

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135321.D
 Acq On : 18 Sep 2023 22:54
 Operator : CG\JU
 Sample : 04441-02MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11976MSD

Quant Time: Sep 19 00:18:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	122778	20.000	ng	0.00
21) Naphthalene-d8	8.040	136	457669	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	213220	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	336956	20.000	ng	0.00
76) Chrysene-d12	13.945	240	194799	20.000	ng	0.00
86) Perylene-d12	15.410	264	257310	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	873584	115.724	ng	0.01
7) Phenol-d6	6.410	99	1091757	113.739	ng	0.00
23) Nitrobenzene-d5	7.328	82	699207	83.002	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	221426	104.501	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	1194058	84.490	ng	-0.01
79) Terphenyl-d14	12.880	244	791204	62.963	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.540	88	96157	29.057	ng	97
3) Pyridine	3.293	79	287391	32.268	ng	97
4) n-Nitrosodimethylamine	3.252	42	217993	46.123	ng	93
6) Aniline	6.428	93	403894	32.088	ng	# 88
8) 2-Chlorophenol	6.545	128	384813	47.753	ng	99
9) Benzaldehyde	6.310	77	105166	19.232	ng	99
10) Phenol	6.422	94	442039	41.997	ng	82
11) bis(2-Chloroethyl)ether	6.504	93	360781	45.696	ng	98
12) 1,3-Dichlorobenzene	6.698	146	367157	44.832	ng	99
13) 1,4-Dichlorobenzene	6.775	146	372560	44.713	ng	98
14) 1,2-Dichlorobenzene	6.928	146	357223	46.166	ng	97
15) Benzyl Alcohol	6.904	79	325476	47.253	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.034	45	702833	47.227	ng	95
17) 2-Methylphenol	7.022	107	300623	42.274	ng	96
18) Hexachloroethane	7.263	117	142206	46.191	ng	92
19) n-Nitroso-di-n-propyla...	7.175	70	250864	42.194	ng	92
20) 3+4-Methylphenols	7.175	107	344587	40.298	ng	94
22) Acetophenone	7.169	105	480310	45.903	ng	# 99
24) Nitrobenzene	7.345	77	396219	47.587	ng	97
25) Isophorone	7.581	82	729498	47.160	ng	99
26) 2-Nitrophenol	7.657	139	204012	51.052	ng	100
27) 2,4-Dimethylphenol	7.698	122	295023	43.922	ng	98
28) bis(2-Chloroethoxy)met...	7.792	93	457012	49.362	ng	99
29) 2,4-Dichlorophenol	7.898	162	300725	48.316	ng	99
30) 1,2,4-Trichlorobenzene	7.981	180	318385	48.940	ng	98
31) Naphthalene	8.057	128	1042103	46.864	ng	99
32) Benzoic acid	7.840	122	238233	47.100	ng	92
33) 4-Chloroaniline	8.110	127	333291	34.162	ng	97
34) Hexachlorobutadiene	8.175	225	185111	47.189	ng	99
35) Caprolactam	8.492	113	102640m	49.136	ng	
36) 4-Chloro-3-methylphenol	8.604	107	324534	46.914	ng	99
37) 2-Methylnaphthalene	8.751	142	659552	44.125	ng	99
38) 1-Methylnaphthalene	8.851	142	633627	45.277	ng	98
40) 1,2,4,5-Tetrachloroben...	8.916	216	311872	50.488	ng	99
41) Hexachlorocyclopentadiene	8.898	237	159277	60.501	ng	99
43) 2,4,6-Trichlorophenol	9.034	196	203048	50.204	ng	99

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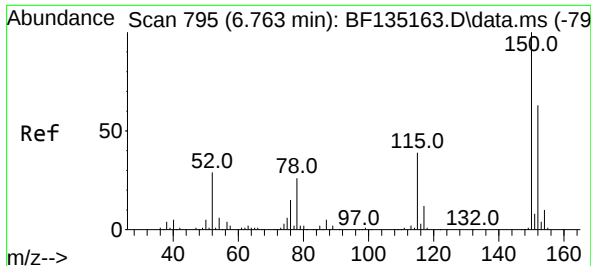
Manual Integrations
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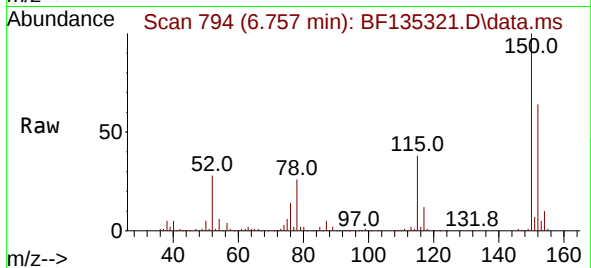
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.081	196	215878	46.349	ng	99
46) 1,1'-Biphenyl	9.216	154	816230	49.814	ng	98
47) 2-Chloronaphthalene	9.245	162	612823	51.547	ng	99
48) 2-Nitroaniline	9.345	65	230863	49.984	ng	97
49) Acenaphthylene	9.657	152	991172	50.165	ng	98
50) Dimethylphthalate	9.528	163	725352	50.316	ng	100
51) 2,6-Dinitrotoluene	9.592	165	157896	49.998	ng	# 83
52) Acenaphthene	9.828	154	571272	48.944	ng	97
53) 3-Nitroaniline	9.757	138	139831	37.721	ng	96
54) 2,4-Dinitrophenol	9.875	184	116367	66.087	ng	97
55) Dibenzofuran	10.004	168	826058	46.378	ng	98
56) 4-Nitrophenol	9.934	139	197990	84.037	ng	98
57) 2,4-Dinitrotoluene	9.998	165	177564	44.912	ng	87
58) Fluorene	10.345	166	632267	46.175	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.122	232	164929	46.033	ng	99
60) Diethylphthalate	10.228	149	706928	48.863	ng	99
61) 4-Chlorophenyl-phenyle...	10.339	204	298502	45.382	ng	97
62) 4-Nitroaniline	10.375	138	145568	40.852	ng	96
63) Azobenzene	10.498	77	677533	47.851	ng	96
65) 4,6-Dinitro-2-methylph...	10.410	198	79328	44.325	ng	86
66) n-Nitrosodiphenylamine	10.463	169	572421	56.113	ng	100
67) 4-Bromophenyl-phenylether	10.828	248	185729	55.420	ng	# 90
68) Hexachlorobenzene	10.892	284	187903	55.036	ng	# 88
69) Atrazine	10.992	200	166235	60.562	ng	98
70) Pentachlorophenol	11.092	266	157232	76.973	ng	96
71) Phenanthrene	11.310	178	834902	52.389	ng	99
72) Anthracene	11.363	178	821777	50.166	ng	99
73) Carbazole	11.522	167	698577	46.846	ng	100
74) Di-n-butylphthalate	11.857	149	932223	53.053	ng	100
75) Fluoranthene	12.504	202	739939	44.559	ng	99
77) Benzidine	12.633	184	368961	92.453	ng	99
78) Pyrene	12.733	202	739858	39.892	ng	100
80) Butylbenzylphthalate	13.363	149	280226	42.915	ng	96
81) Benzo(a)anthracene	13.933	228	637767	50.702	ng	99
82) 3,3'-Dichlorobenzidine	13.898	252	236570	60.211	ng	99
83) Chrysene	13.969	228	632949	50.611	ng	99
84) Bis(2-ethylhexyl)phtha...	13.927	149	345662	51.585	ng	100
85) Di-n-octyl phthalate	14.545	149	703620	66.075	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.886	276	569670	33.766	ng	99
88) Benzo(b)fluoranthene	14.986	252	727366	52.219	ng	98
89) Benzo(k)fluoranthene	15.016	252	631597	45.903	ng	100
90) Benzo(a)pyrene	15.351	252	633536	47.694	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	467615	33.875	ng	99
92) Benzo(g,h,i)perylene	17.327	276	416177	28.868	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

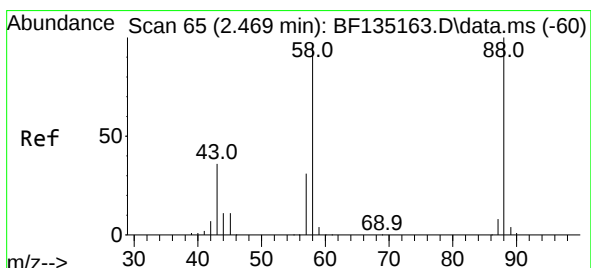
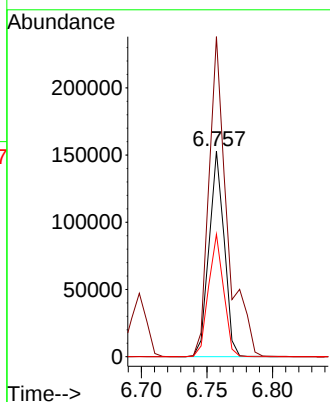
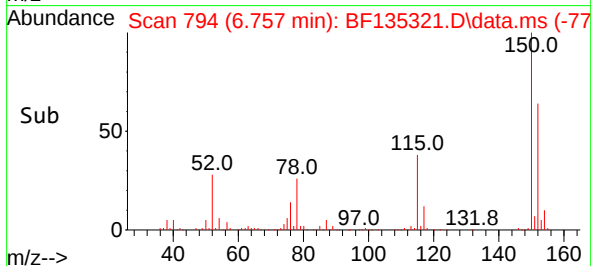
Instrument :
BNA_F
ClientSampleId :
72-11976MSD



Tgt Ion:152 Resp: 122778
Ion Ratio Lower Upper
152 100
150 155.6 127.8 191.6
115 59.5 49.8 74.8

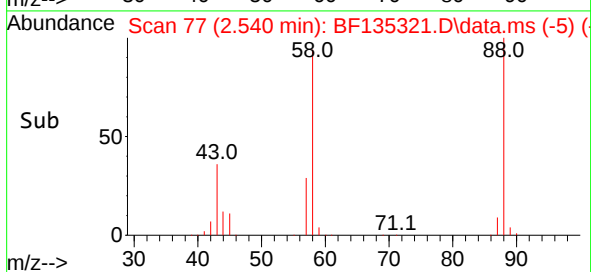
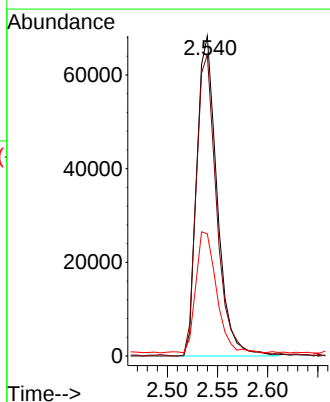
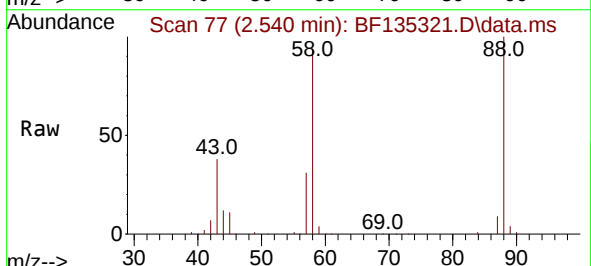
Manual Integrations
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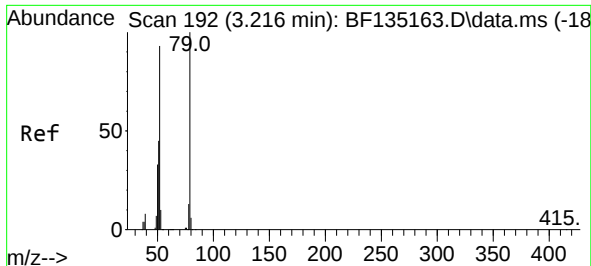
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#2
1,4-Dioxane
Concen: 29.057 ng
RT: 2.540 min Scan# 77
Delta R.T. 0.071 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

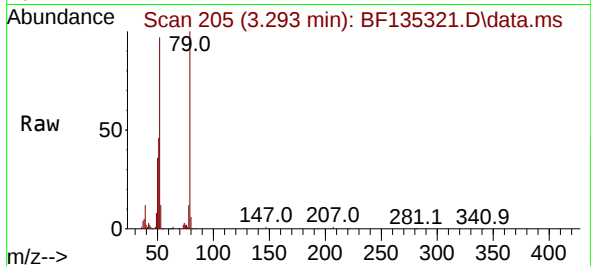
Tgt Ion: 88 Resp: 96157
Ion Ratio Lower Upper
88 100
58 95.6 78.3 117.5
43 38.9 29.4 44.0





#3
Pyridine
Concen: 32.268 ng
RT: 3.293 min Scan# 205
Delta R.T. 0.077 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

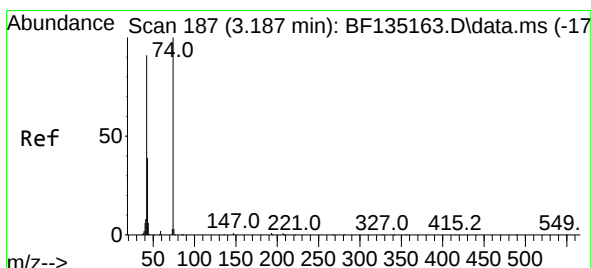
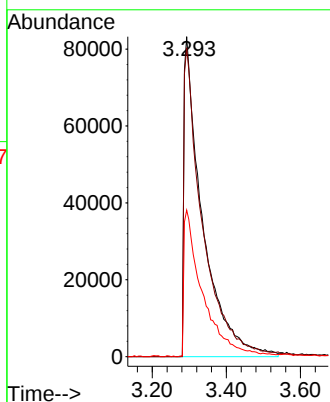
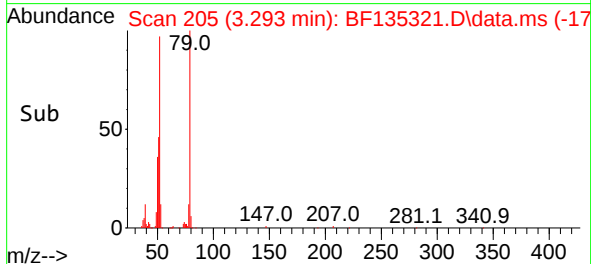
Instrument :
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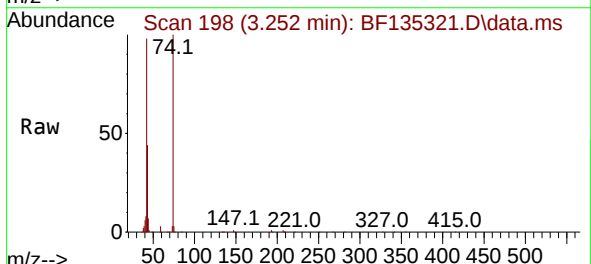
Tgt Ion: 79 Resp: 28739
Ion Ratio Lower Upper
79 100
52 96.5 74.1 111.1
51 45.8 35.8 53.8

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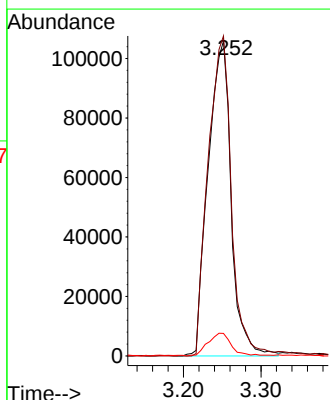
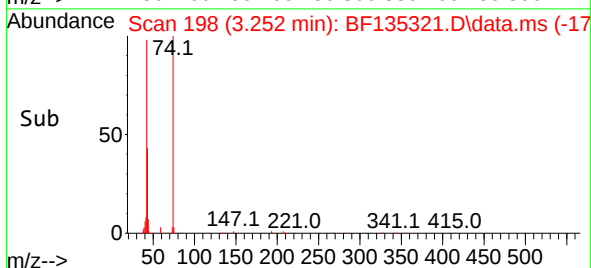
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Supervised By :mohammad ahmed 09/19/2023

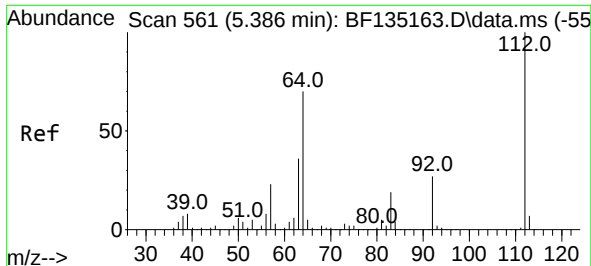


#4
n-Nitrosodimethylamine
Concen: 46.123 ng
RT: 3.252 min Scan# 198
Delta R.T. 0.065 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54



Tgt Ion: 42 Resp: 217993
Ion Ratio Lower Upper
42 100
74 101.6 87.7 131.5
44 7.2 5.6 8.4





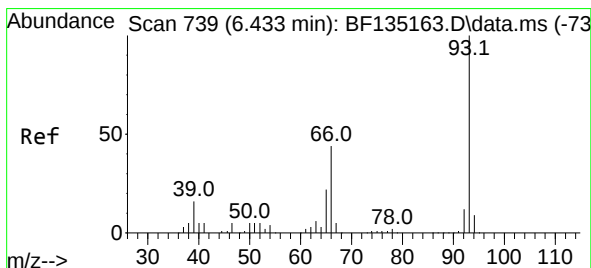
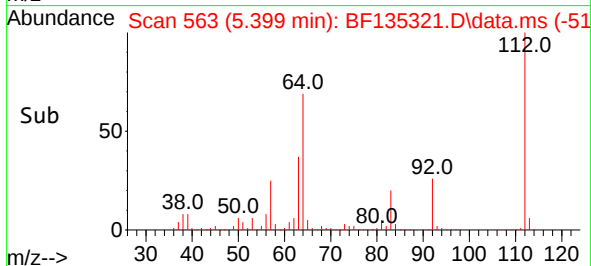
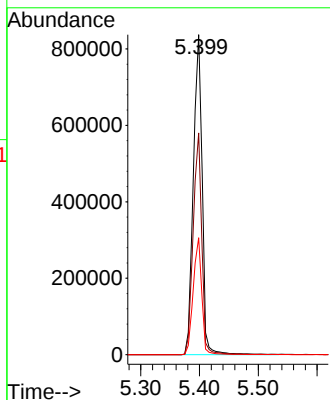
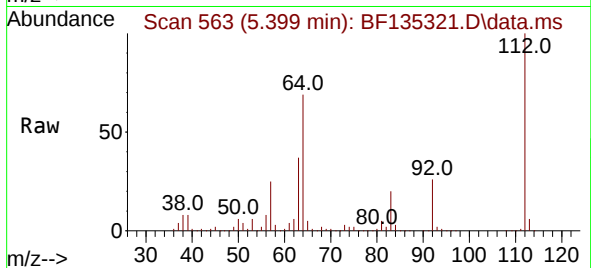
#5
2-Fluorophenol
Concen: 115.724 ng
RT: 5.399 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Instrument :
BNA_F
ClientSampleId :
72-11976MSD

Tgt Ion:112 Resp: 873584
Ion Ratio Lower Upper
112 100
64 69.3 55.9 83.9
63 36.6 29.0 43.6

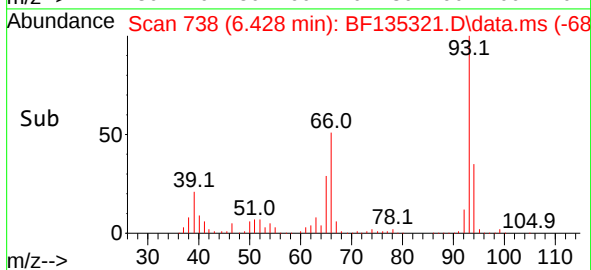
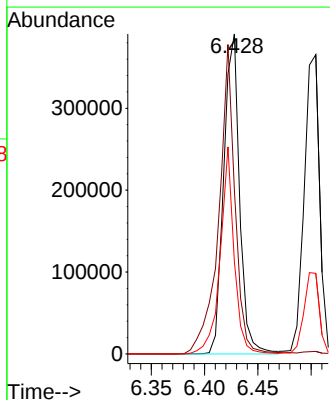
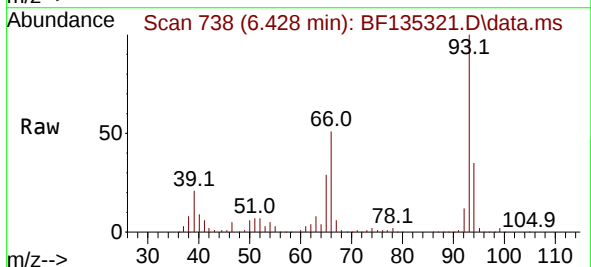
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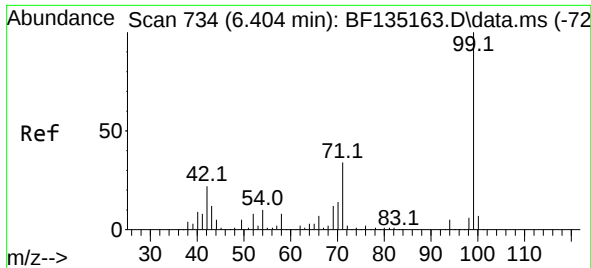
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#6
Aniline
Concen: 32.088 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

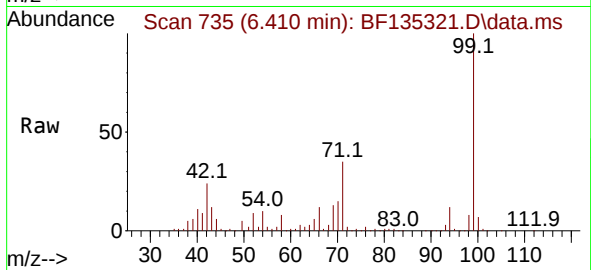
Tgt Ion: 93 Resp: 403894
Ion Ratio Lower Upper
93 100
66 51.3 35.4 53.0
65 28.9 17.8 26.8





#7
Phenol-d6
Concen: 113.739 ng
RT: 6.410 min Scan# 710
Delta R.T. 0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

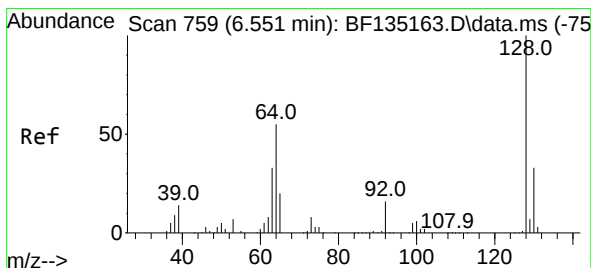
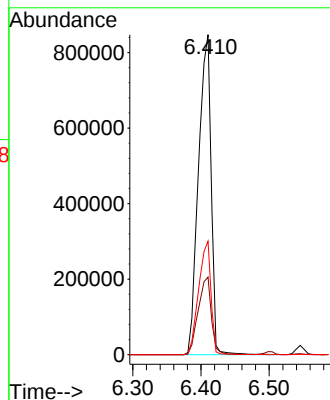
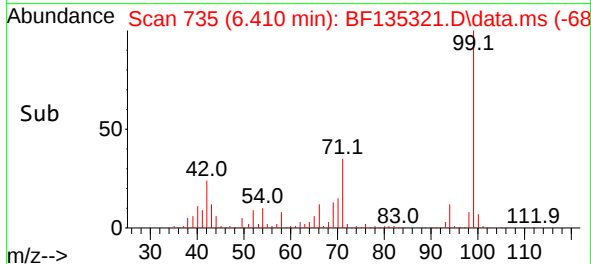
Instrument :
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Tgt Ion: 99 Resp: 109175
Ion Ratio Lower Upper
99 100
42 24.3 17.9 26.9
71 35.5 27.0 40.6

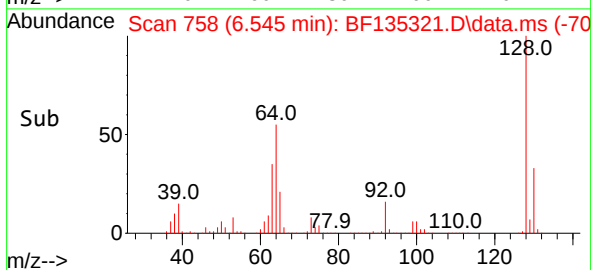
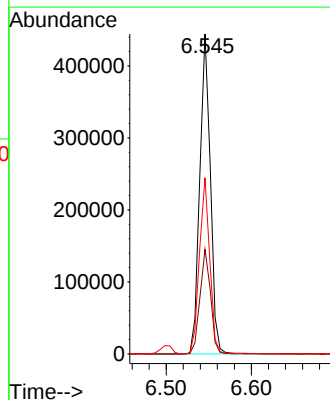
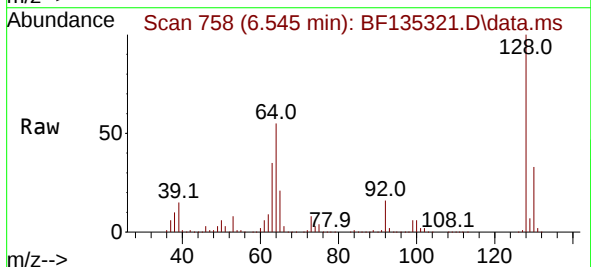
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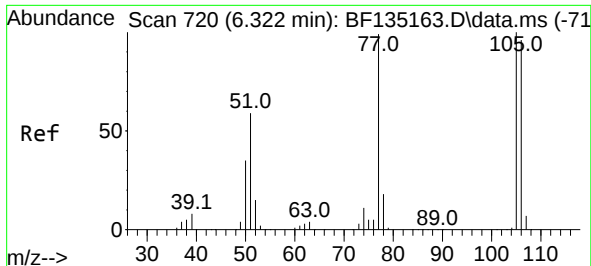
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#8
2-Chlorophenol
Concen: 47.753 ng
RT: 6.545 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

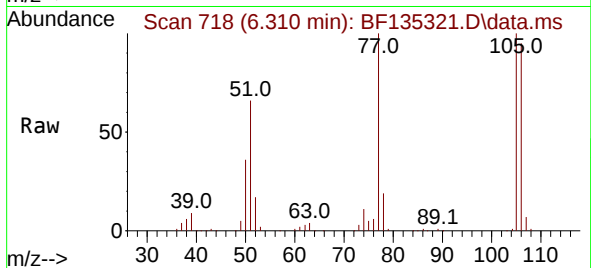
Tgt Ion:128 Resp: 384813
Ion Ratio Lower Upper
128 100
130 32.7 12.7 52.7
64 55.1 35.9 75.9





#9
Benzaldehyde
Concen: 19.232 ng
RT: 6.310 min Scan# 718
Delta R.T. -0.012 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

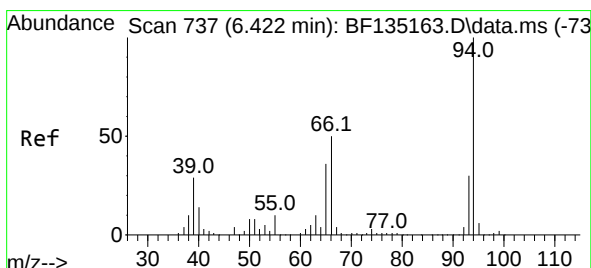
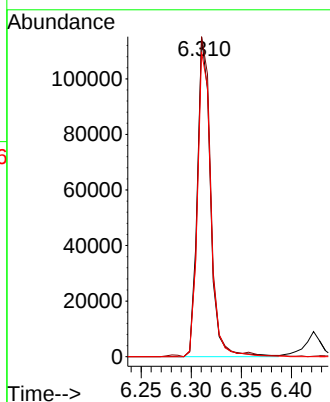
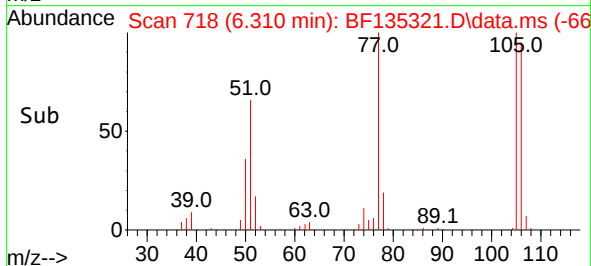
Instrument :
BNA_F
ClientSampleId :
72-11976MSD



Tgt Ion: 77 Resp: 105160
Ion Ratio Lower Upper
77 100
105 100.1 81.4 121.4
106 95.3 76.9 116.9

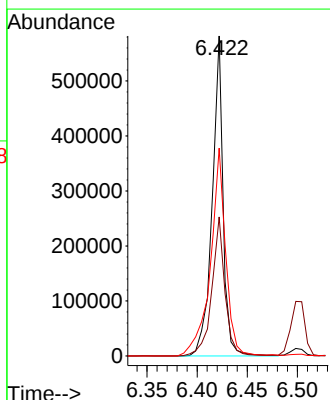
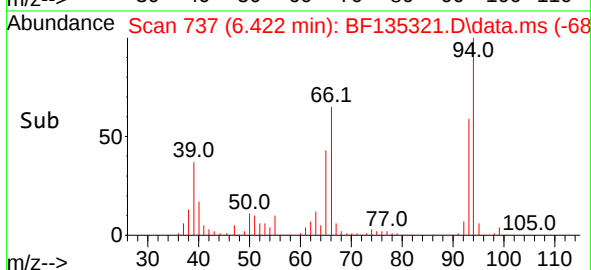
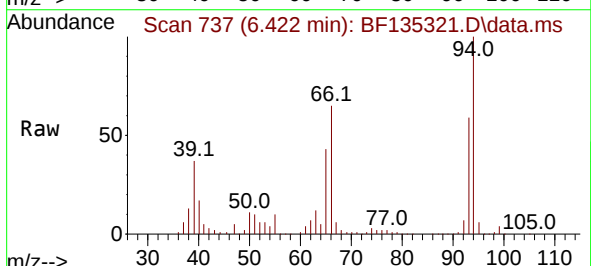
Manual Integrations
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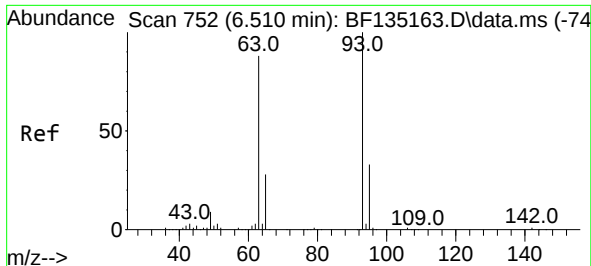
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Supervised By :mohammad ahmed 09/19/2023



#10
Phenol
Concen: 41.997 ng
RT: 6.422 min Scan# 737
Delta R.T. 0.000 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Tgt Ion: 94 Resp: 442039
Ion Ratio Lower Upper
94 100
65 43.5 15.9 55.9
66 64.9 29.8 69.8





#11

bis(2-Chloroethyl)ether

Concen: 45.696 ng

RT: 6.504 min Scan# 751

Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

Tgt Ion: 93 Resp: 36078

Ion Ratio Lower Upper

93 100

63 85.5 67.3 107.3

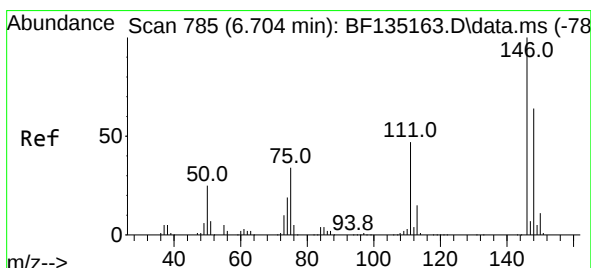
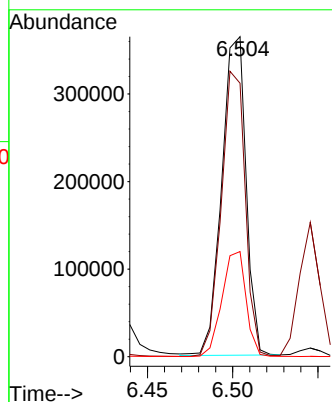
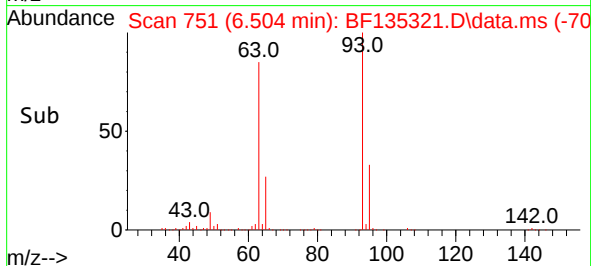
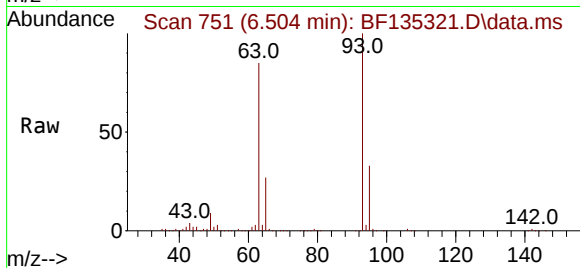
95 32.9 12.7 52.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#12

1,3-Dichlorobenzene

Concen: 44.832 ng

RT: 6.698 min Scan# 784

Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

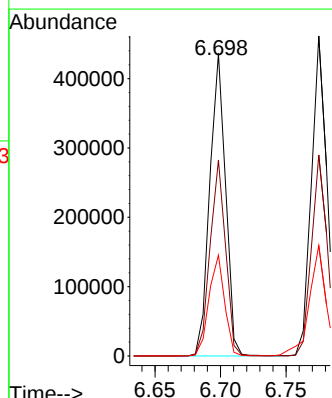
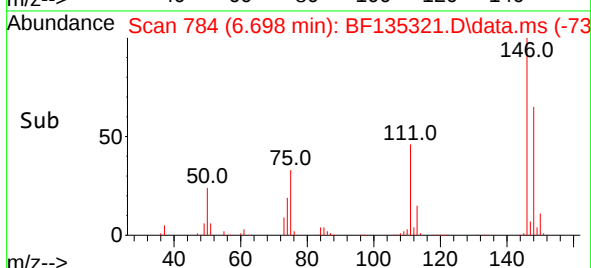
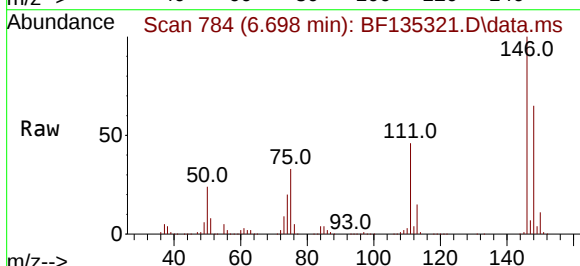
Tgt Ion:146 Resp: 367157

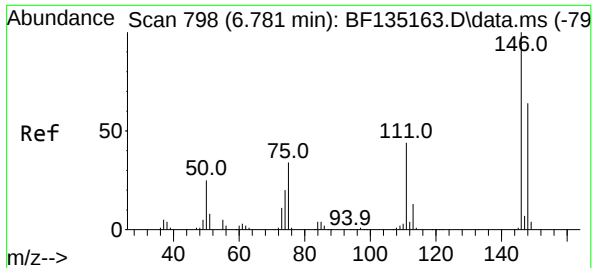
Ion Ratio Lower Upper

146 100

148 64.8 51.3 76.9

75 33.3 27.4 41.2





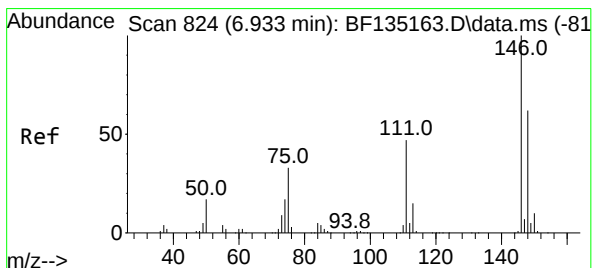
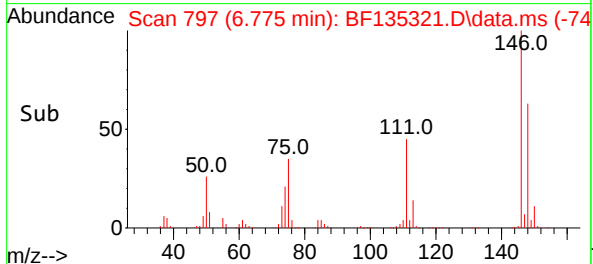
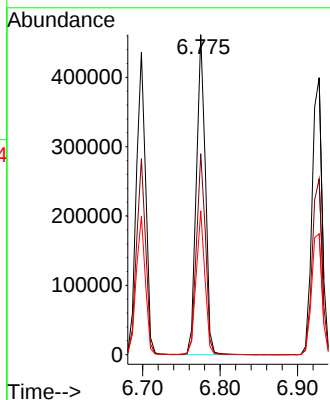
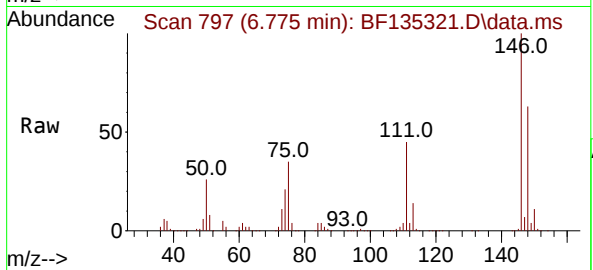
#13
1,4-Dichlorobenzene
Concen: 44.713 ng
RT: 6.775 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Instrument :
BNA_F
ClientSampleId :
72-11976MSD

Tgt Ion:146 Resp: 372560
Ion Ratio Lower Upper
146 100
148 62.8 51.3 76.9
111 44.9 35.1 52.7

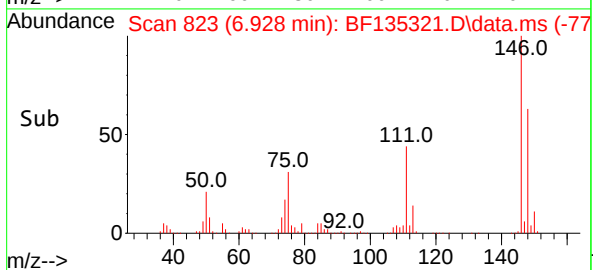
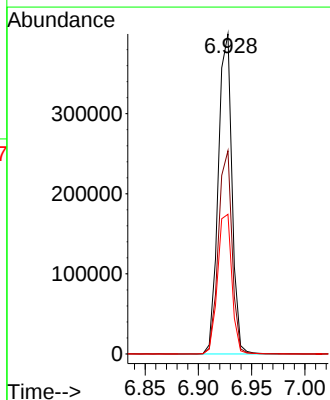
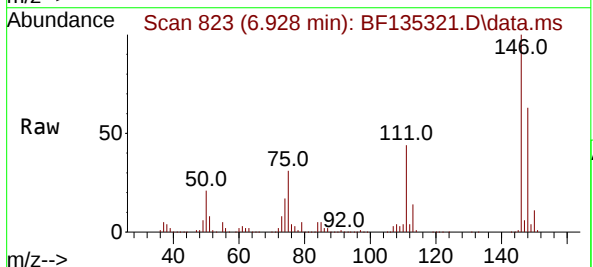
Manual Integrations
APPROVED

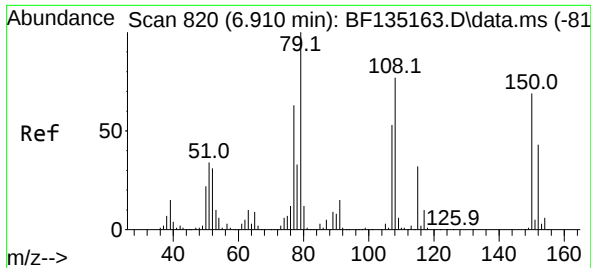
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#14
1,2-Dichlorobenzene
Concen: 46.166 ng
RT: 6.928 min Scan# 823
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

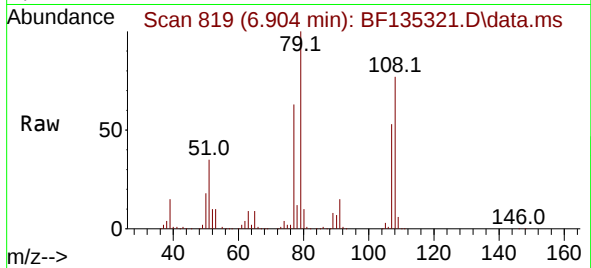
Tgt Ion:146 Resp: 357223
Ion Ratio Lower Upper
146 100
148 63.5 49.7 74.5
111 43.7 37.4 56.2





#15
Benzyl Alcohol
Concen: 47.253 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

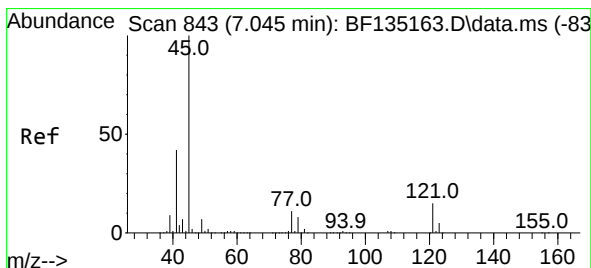
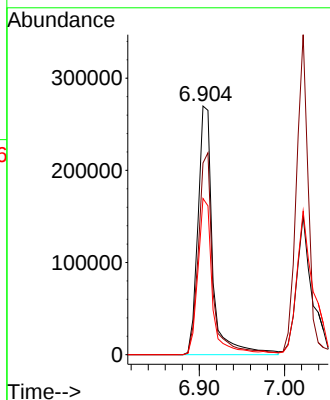
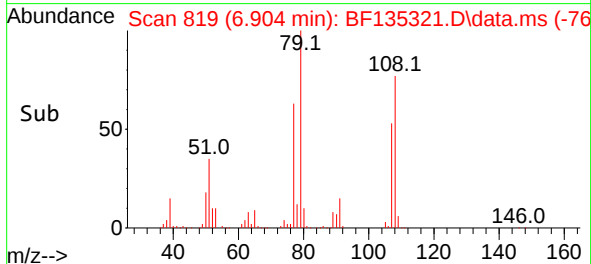
Instrument :
BNA_F
ClientSampleId :
72-11976MSD



Tgt Ion: 79 Resp: 325470
Ion Ratio Lower Upper
79 100
108 77.1 61.2 91.8
77 62.8 50.5 75.7

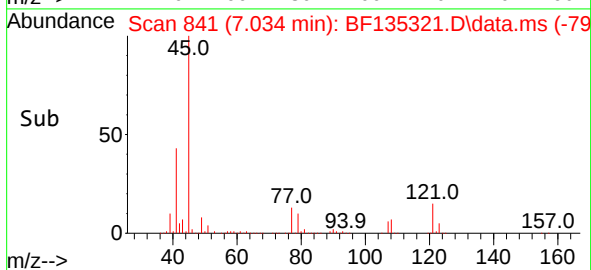
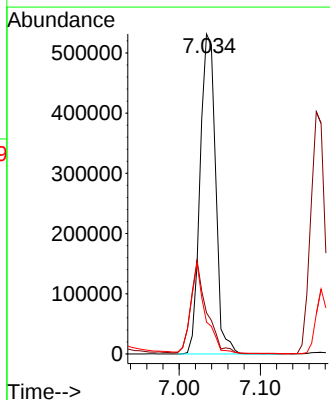
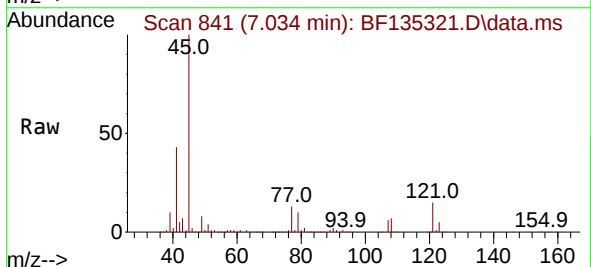
Manual Integrations
APPROVED

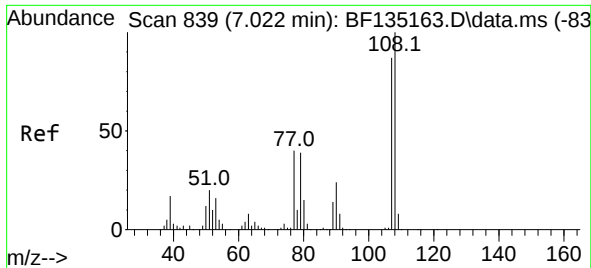
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.227 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.012 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

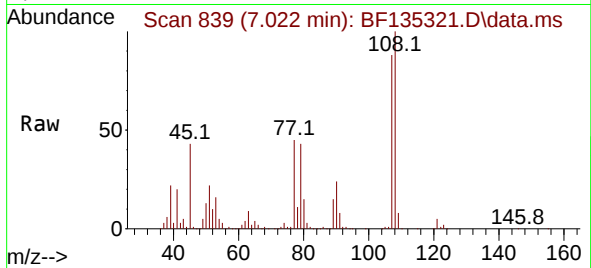
Tgt Ion: 45 Resp: 702833
Ion Ratio Lower Upper
45 100
77 12.8 0.0 30.6
79 10.0 0.0 28.3





#17
2-Methylphenol
Concen: 42.274 ng
RT: 7.022 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

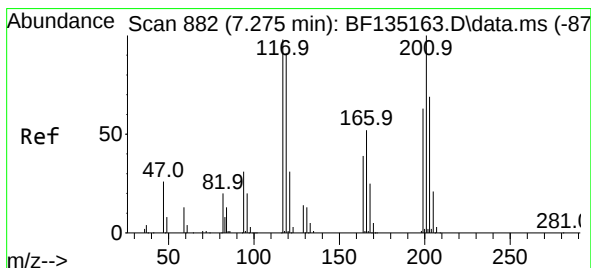
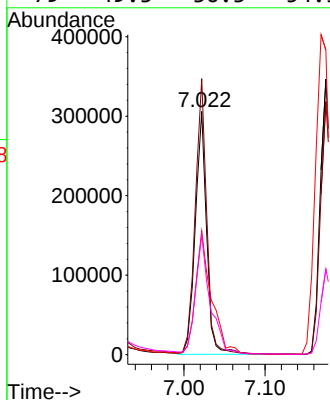
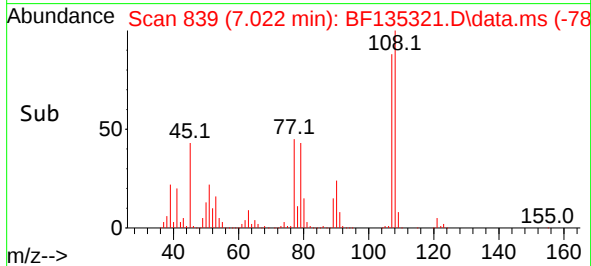
Instrument :
BNA_F
ClientSampleId :
72-11976MSD



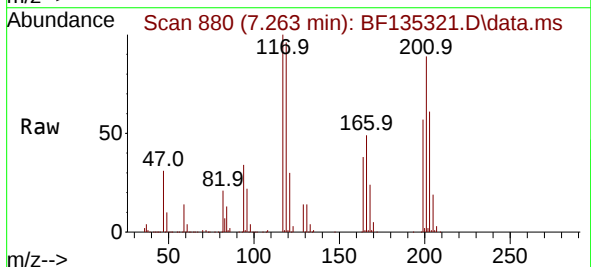
Tgt Ion:107 Resp: 30062
Ion Ratio Lower Upper
107 100
108 113.5 92.0 138.0
77 50.9 36.7 55.1
79 49.3 36.3 54.5

Manual Integrations
APPROVED

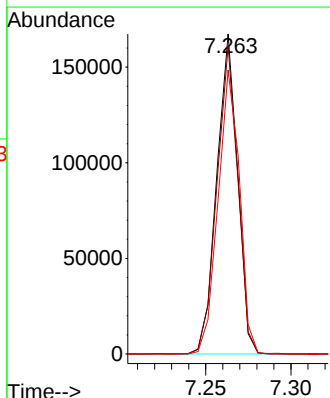
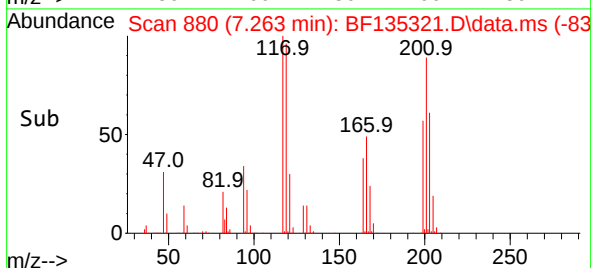
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

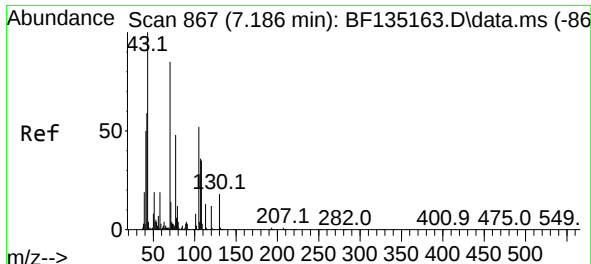


#18
Hexachloroethane
Concen: 46.191 ng
RT: 7.263 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54



Tgt Ion:117 Resp: 142206
Ion Ratio Lower Upper
117 100
119 96.2 74.7 112.1
201 88.7 81.8 122.8





#19

n-Nitroso-di-n-propylamine

Concen: 42.194 ng

RT: 7.175 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

Tgt Ion: 70 Resp: 250864

Ion Ratio Lower Upper

70 100

42 77.9 55.4 83.0

101 9.6 7.7 11.5

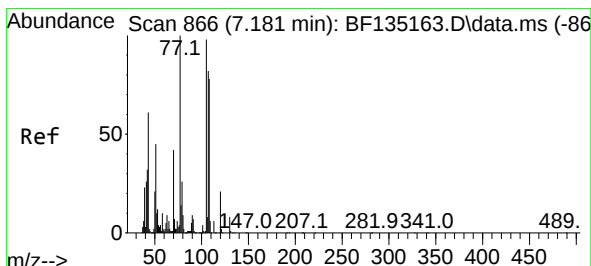
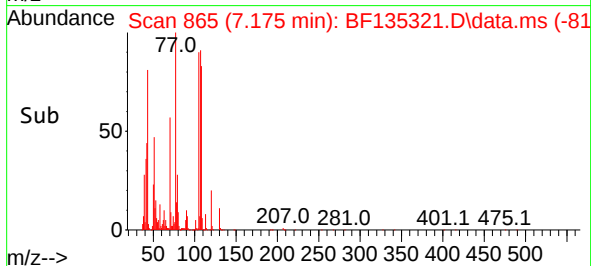
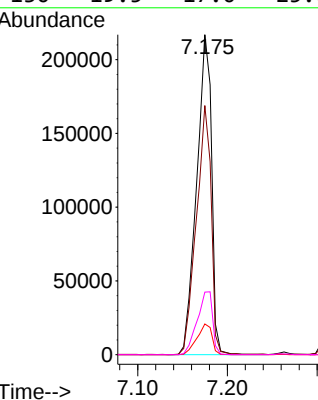
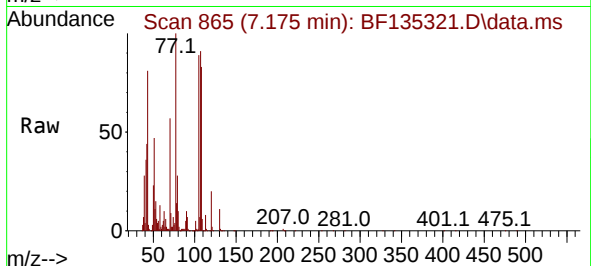
130 19.5 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#20

3+4-Methylphenols

Concen: 40.298 ng

RT: 7.175 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Tgt Ion:107 Resp: 344587

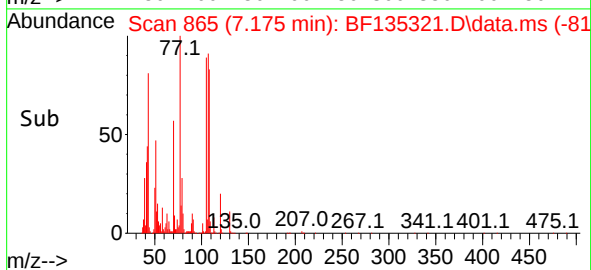
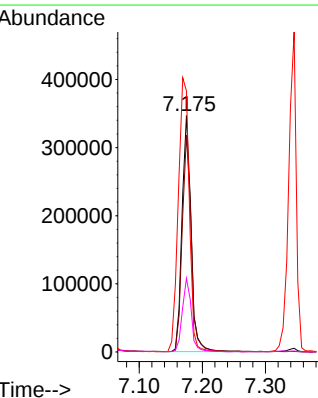
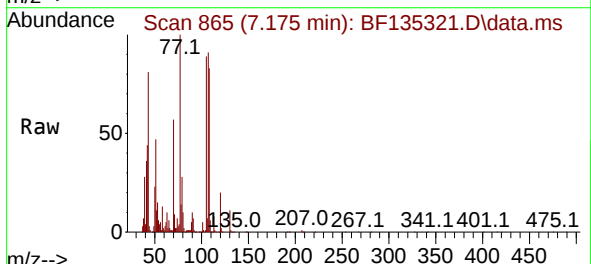
Ion Ratio Lower Upper

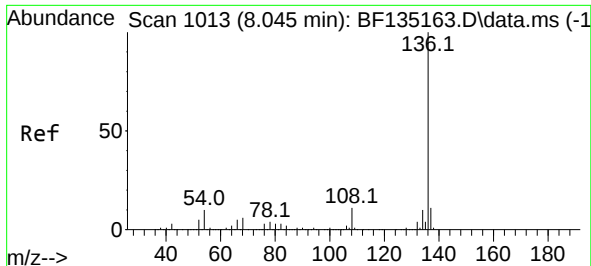
107 100

108 91.8 74.7 114.7

77 110.4 102.0 142.0

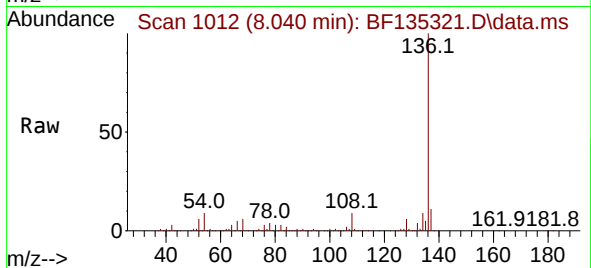
79 31.1 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.040 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

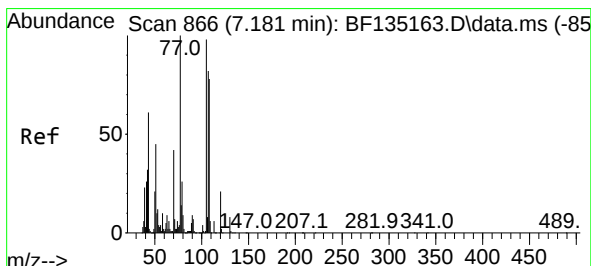
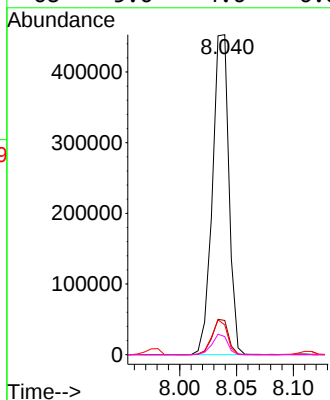
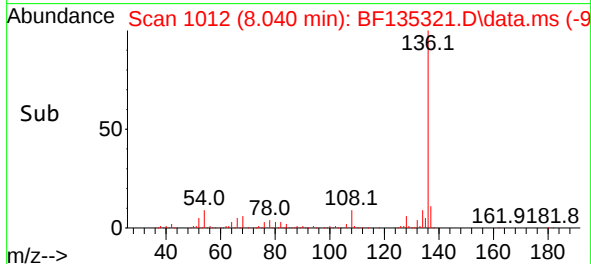
Instrument :
BNA_F
ClientSampleId :
72-11976MSD



Tgt Ion:136 Resp: 457669
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.3 7.7 11.5
68 5.6 4.6 6.8

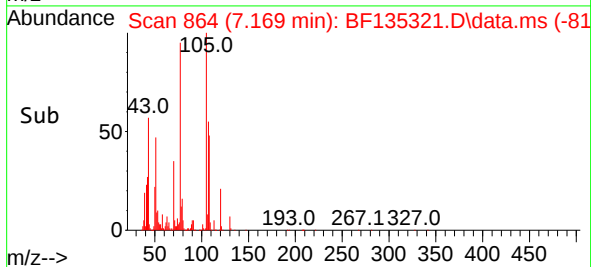
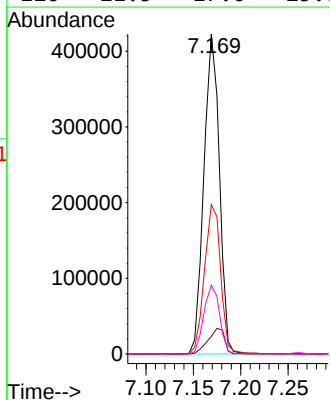
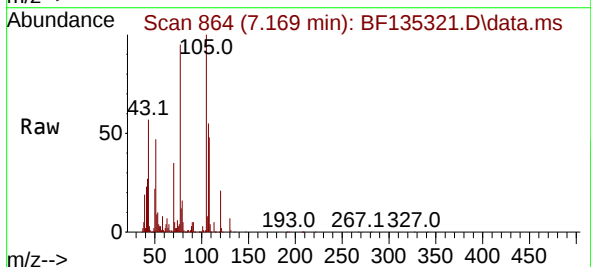
Manual Integrations
APPROVED

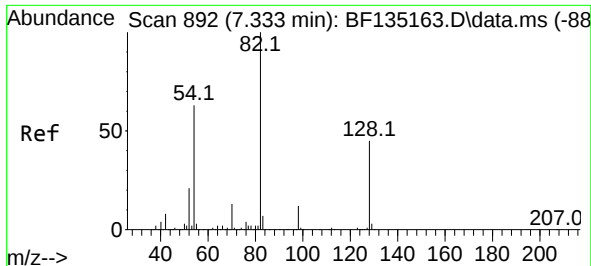
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#22
Acetophenone
Concen: 45.903 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.012 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Tgt Ion:105 Resp: 480310
Ion Ratio Lower Upper
105 100
71 5.5 5.8 8.6#
51 46.7 37.0 55.4
120 21.5 17.0 25.6





#23

Nitrobenzene-d5

Concen: 83.002 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

Tgt Ion: 82 Resp: 69920

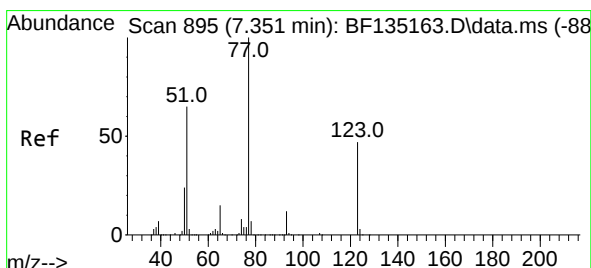
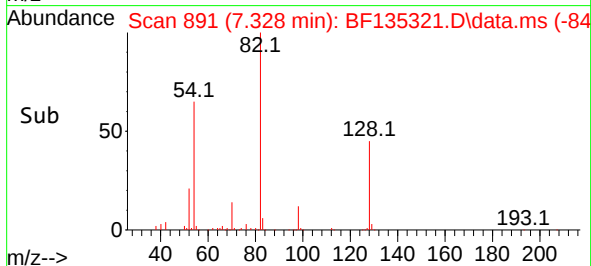
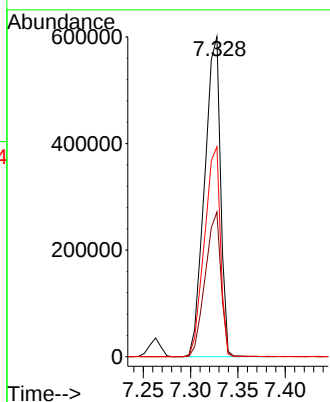
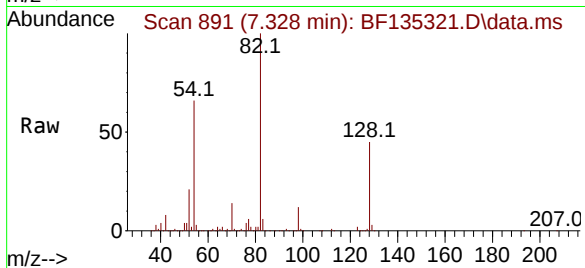
Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.8	53.6
54	65.6	50.6	76.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#24

Nitrobenzene

Concen: 47.587 ng

RT: 7.345 min Scan# 894

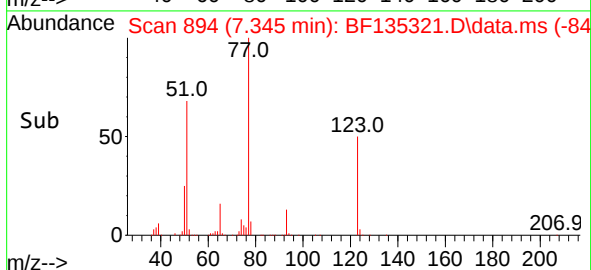
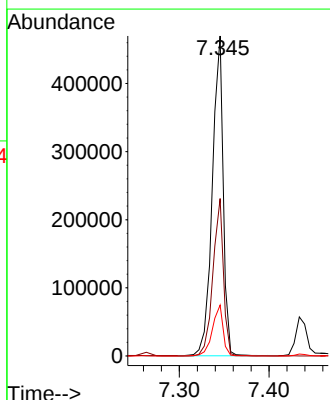
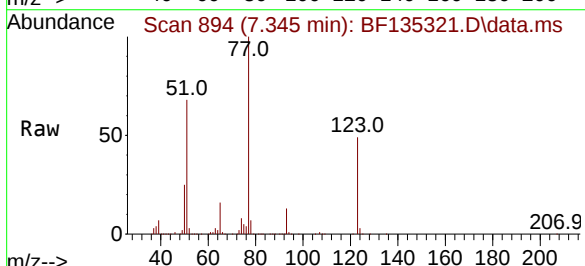
Delta R.T. -0.006 min

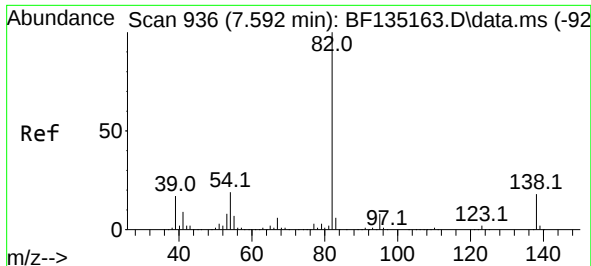
Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Tgt Ion: 77 Resp: 396219

Ion	Ratio	Lower	Upper
77	100		
123	49.2	37.6	56.4
65	15.9	12.2	18.4





#25
Isophorone
Concen: 47.160 ng
RT: 7.581 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

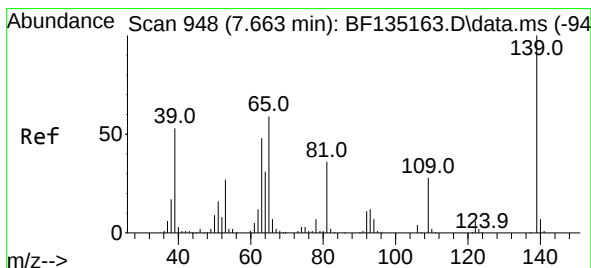
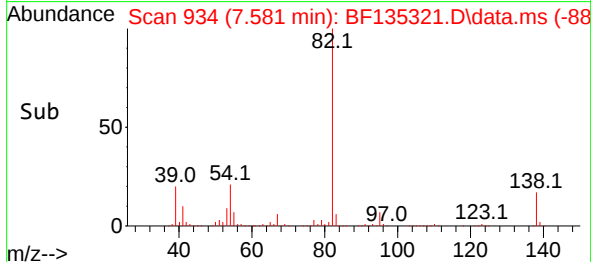
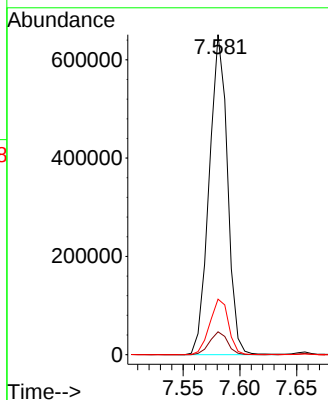
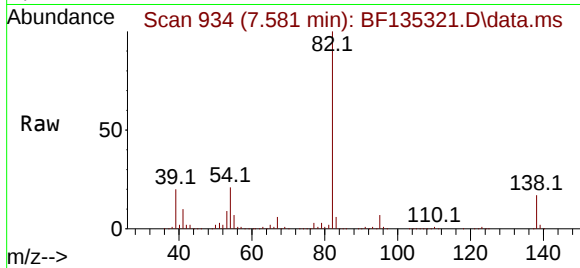
ClientSampleId :

72-11976MSD

Tgt Ion: 82 Resp: 729498
Ion Ratio Lower Upper
82 100
95 7.1 6.0 9.0
138 17.4 14.5 21.7

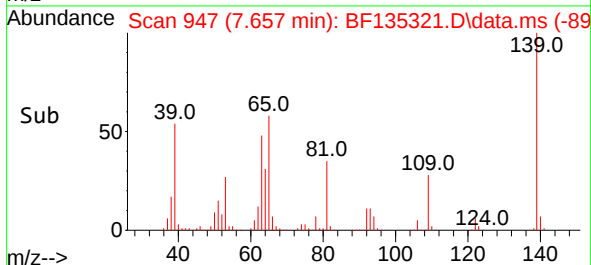
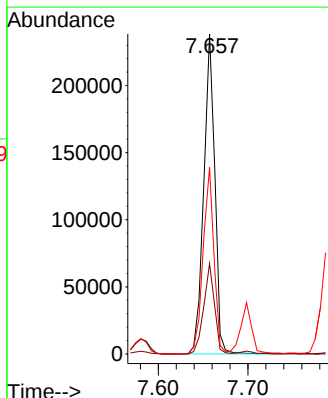
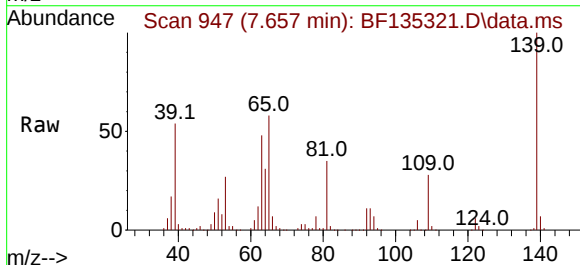
Manual Integrations
APPROVED

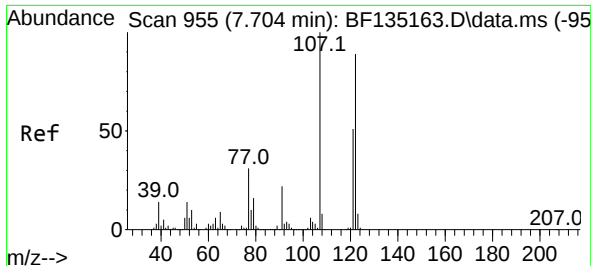
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#26
2-Nitrophenol
Concen: 51.052 ng
RT: 7.657 min Scan# 947
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Tgt Ion:139 Resp: 204012
Ion Ratio Lower Upper
139 100
109 28.2 22.6 33.8
65 58.3 47.0 70.4





#27

2,4-Dimethylphenol

Concen: 43.922 ng

RT: 7.698 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF135321.D

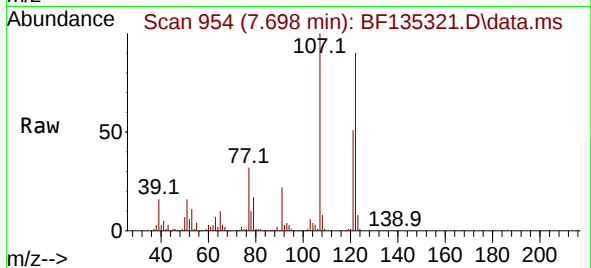
Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD



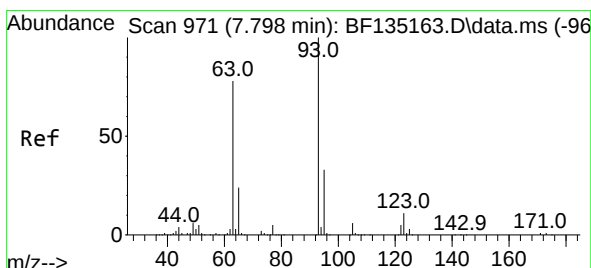
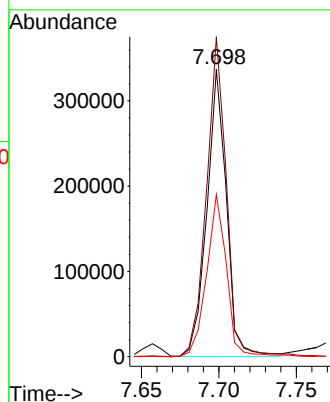
Tgt Ion	Ratio	Lower	Upper
122	100		
107	111.4	90.2	135.4
121	56.4	46.3	69.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#28

bis(2-Chloroethoxy)methane

Concen: 49.362 ng

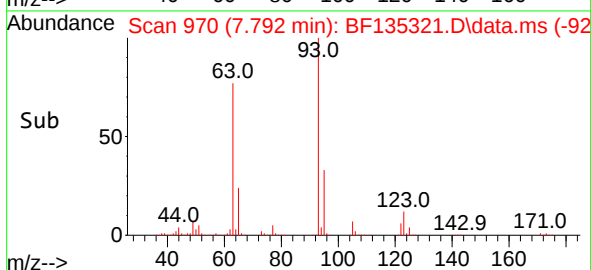
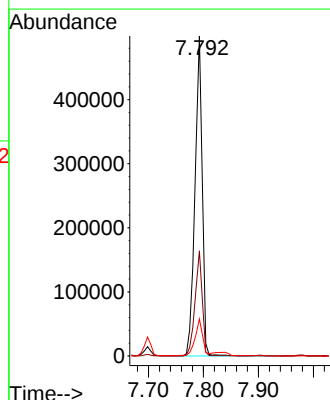
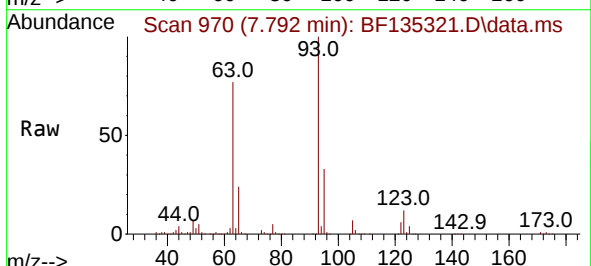
RT: 7.792 min Scan# 970

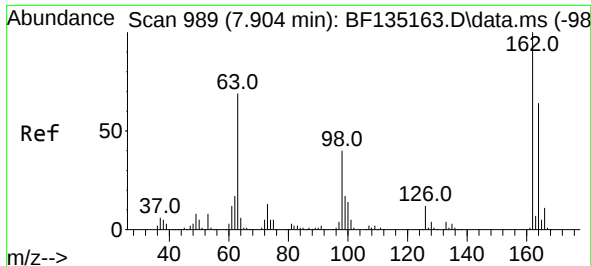
Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.2
123	11.6	8.8	13.2





#29

2,4-Dichlorophenol

Concen: 48.316 ng

RT: 7.898 min Scan# 989

Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

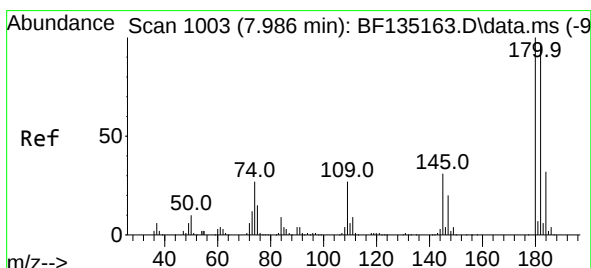
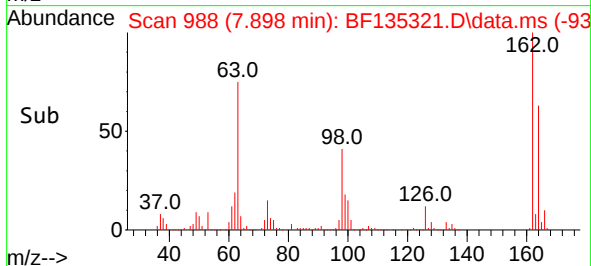
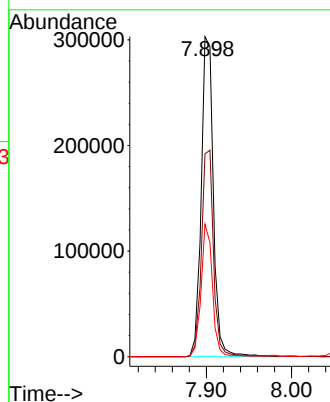
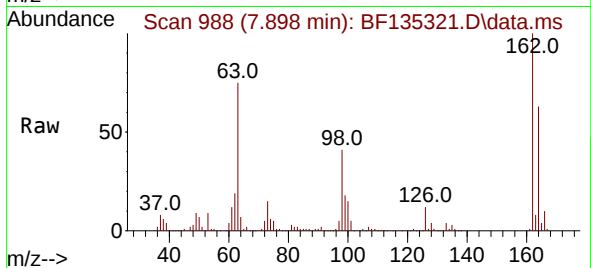
Tgt Ion:162 Resp: 300725
 Ion Ratio Lower Upper
 162 100
 164 63.4 44.1 84.1
 98 41.4 20.3 60.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#30

1,2,4-Trichlorobenzene

Concen: 48.940 ng

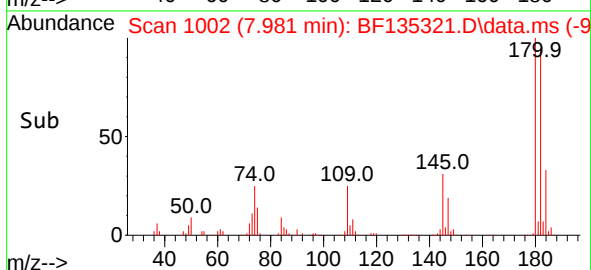
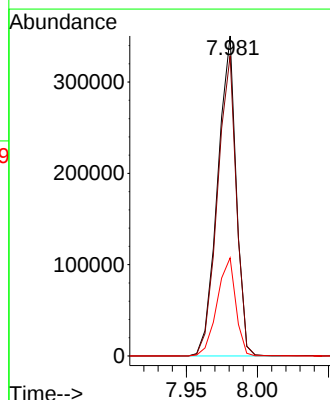
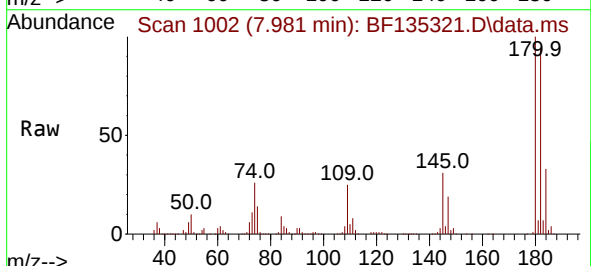
RT: 7.981 min Scan# 1002

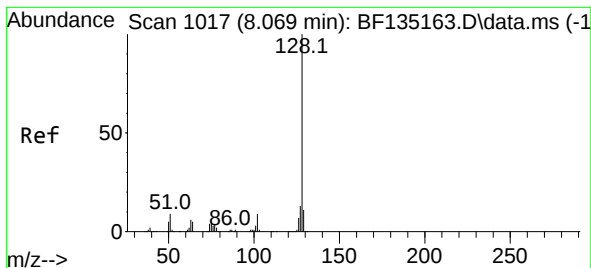
Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Tgt Ion:180 Resp: 318385
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.9 115.3
 145 30.6 24.5 36.7





#31

Naphthalene

Concen: 46.864 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF135321.D

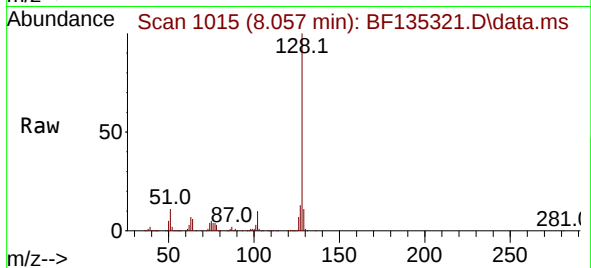
Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD



Tgt Ion:128 Resp: 104210

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

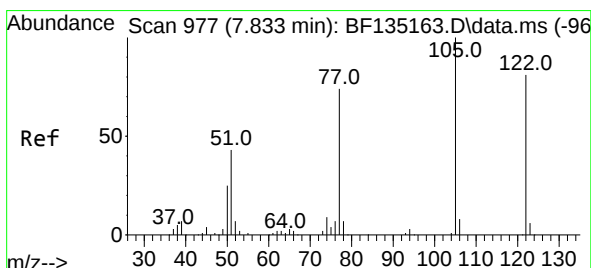
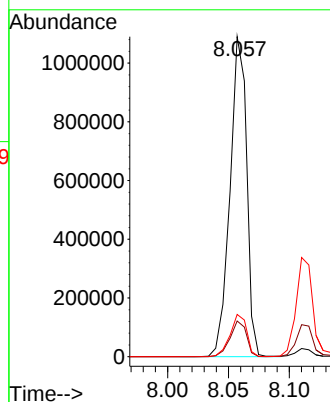
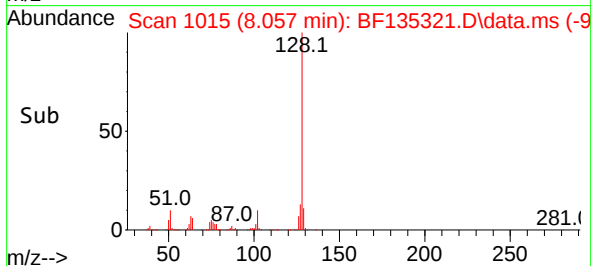
127 13.2 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#32

Benzoic acid

Concen: 47.100 ng

RT: 7.840 min Scan# 978

Delta R.T. 0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

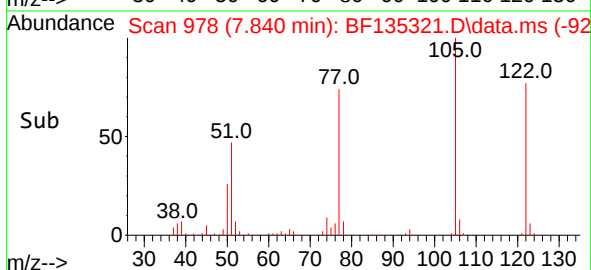
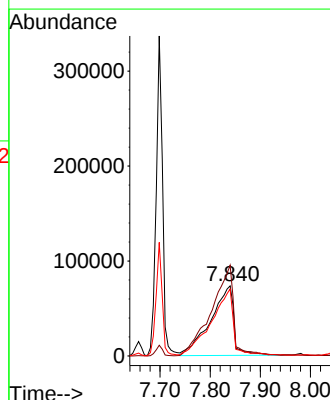
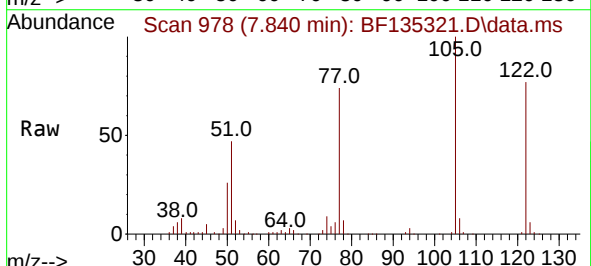
Tgt Ion:122 Resp: 238233

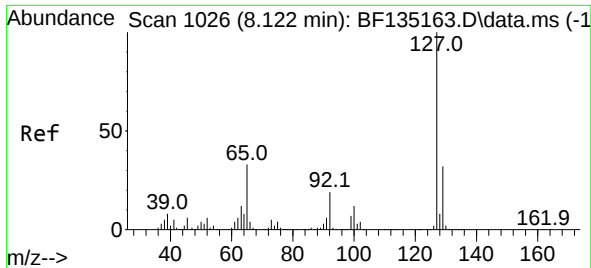
Ion Ratio Lower Upper

122 100

105 129.4 99.9 139.9

77 95.7 70.0 110.0





#33
4-Chloroaniline
Concen: 34.162 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

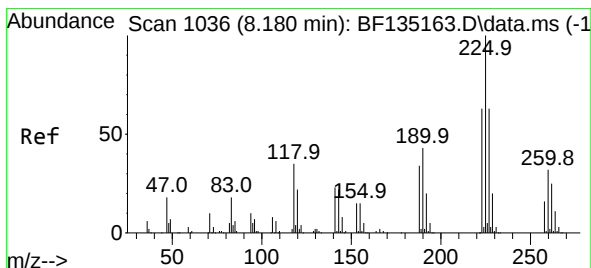
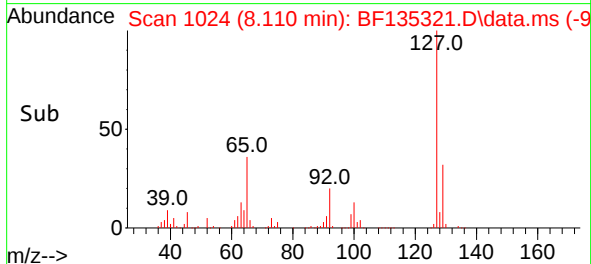
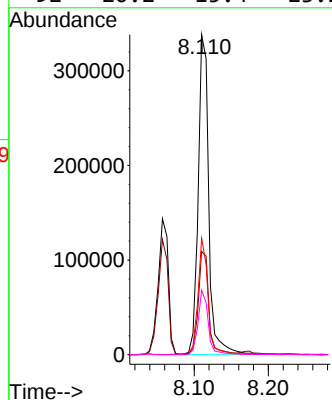
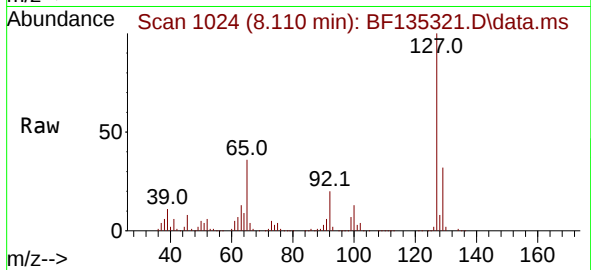
ClientSampleId :

72-11976MSD

Tgt Ion:127 Resp: 33329
Ion Ratio Lower Upper
127 100
129 32.2 25.8 38.8
65 36.4 26.6 39.8
92 20.2 15.4 23.2

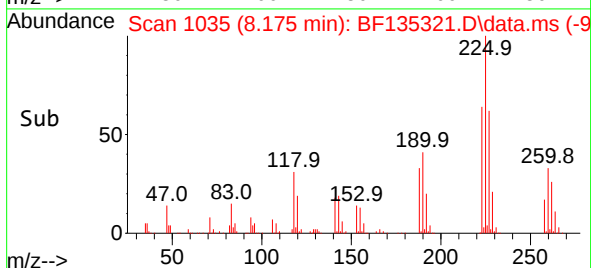
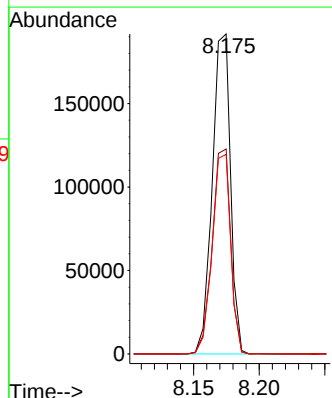
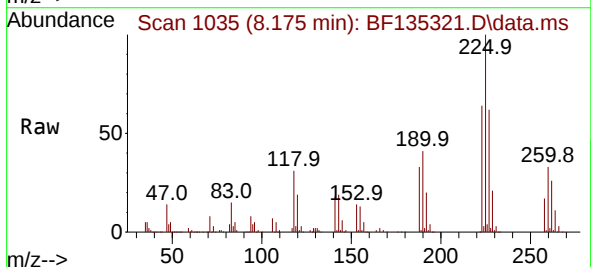
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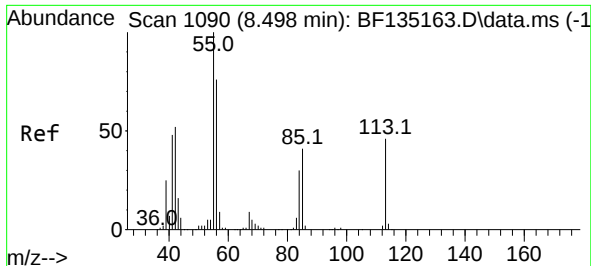
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#34
Hexachlorobutadiene
Concen: 47.189 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

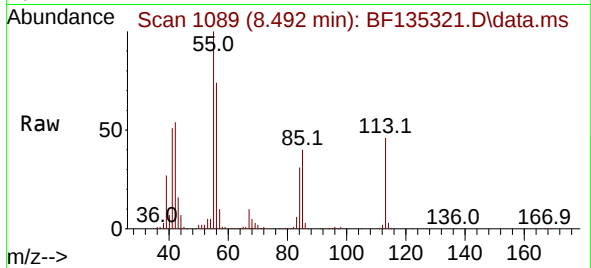
Tgt Ion:225 Resp: 185111
Ion Ratio Lower Upper
225 100
223 64.1 50.6 75.8
227 62.4 50.8 76.2





#35
Caprolactam
Concen: 49.136 ng m
RT: 8.492 min Scan# 1090
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

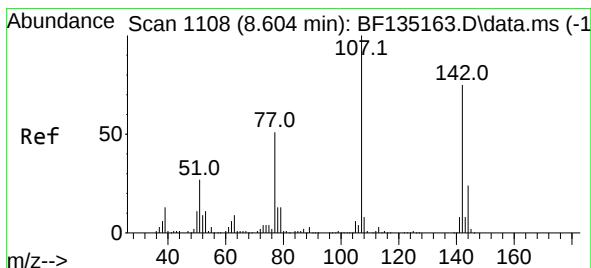
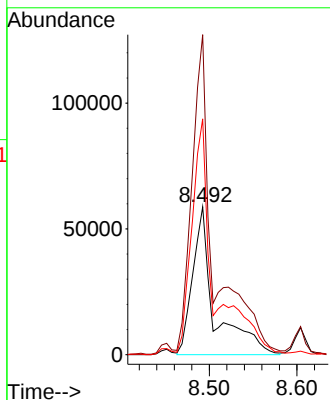
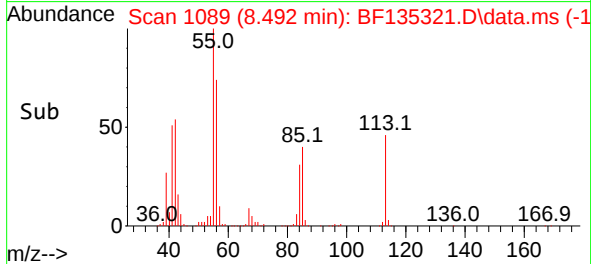
Instrument :
BNA_F
ClientSampleId :
72-11976MSD



Tgt Ion:113 Resp: 102640
Ion Ratio Lower Upper
113 100
55 216.5 199.3 239.3
56 159.6 146.3 186.3

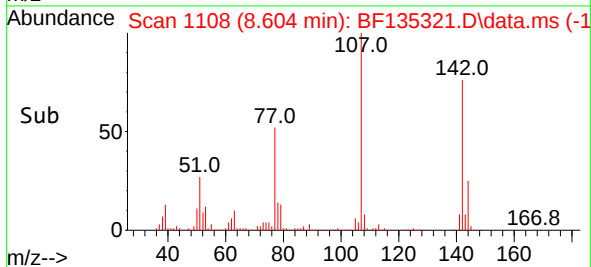
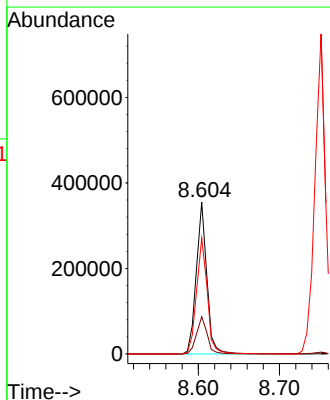
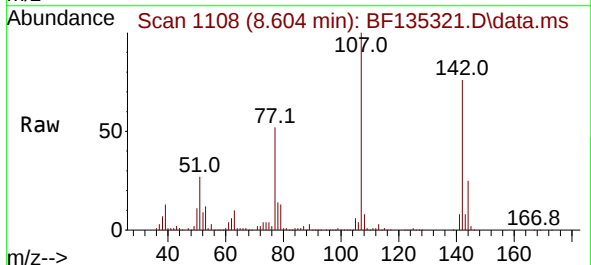
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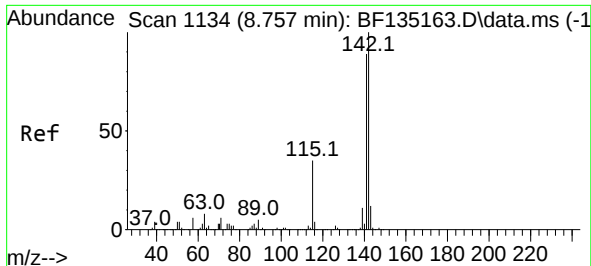
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#36
4-Chloro-3-methylphenol
Concen: 46.914 ng
RT: 8.604 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Tgt Ion:107 Resp: 324534
Ion Ratio Lower Upper
107 100
144 24.6 19.0 28.4
142 76.3 60.2 90.2





#37

2-Methylnaphthalene

Concen: 44.125 ng

RT: 8.751 min Scan# 1134

Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

Tgt Ion:142 Resp: 65955

Ion Ratio Lower Upper

142 100

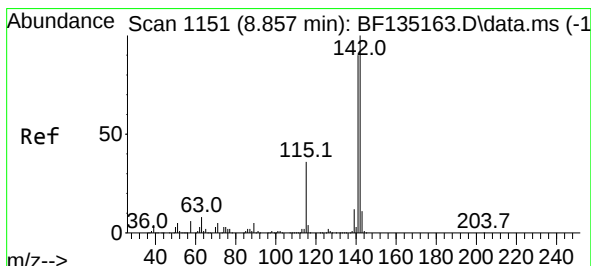
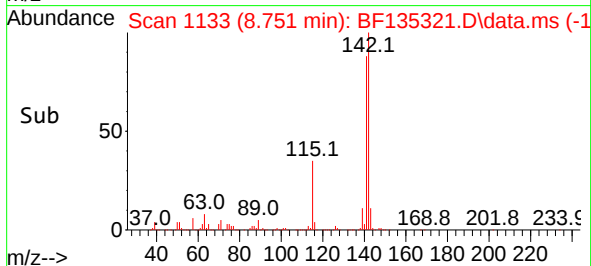
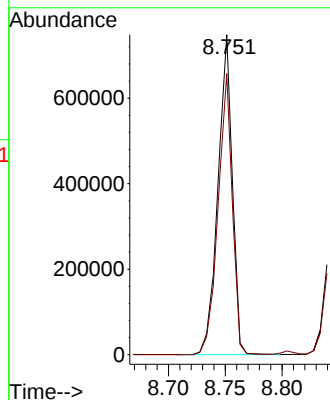
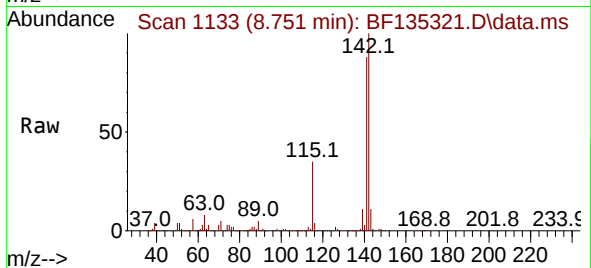
141 87.9 71.0 106.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#38

1-Methylnaphthalene

Concen: 45.277 ng

RT: 8.851 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BF135321.D

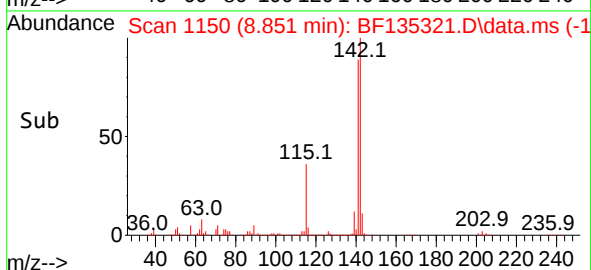
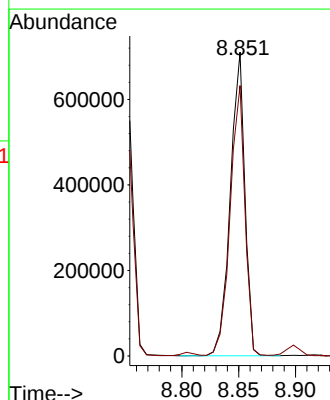
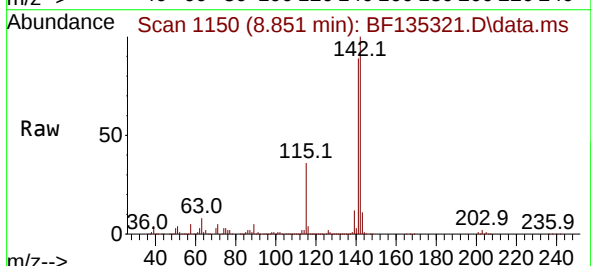
Acq: 18 Sep 2023 22:54

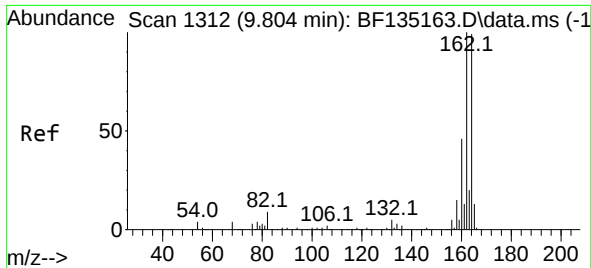
Tgt Ion:142 Resp: 633627

Ion Ratio Lower Upper

142 100

141 89.0 72.4 108.6





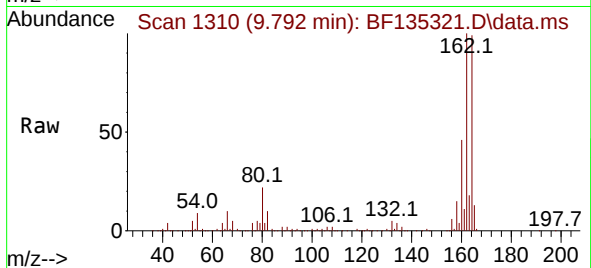
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1161
Delta R.T. -0.012 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

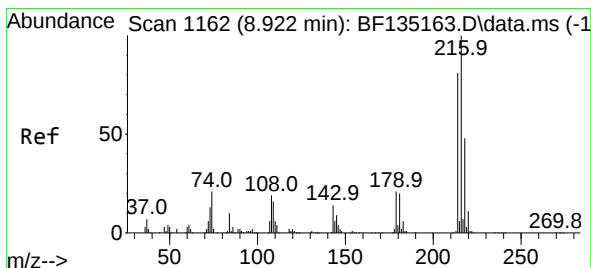
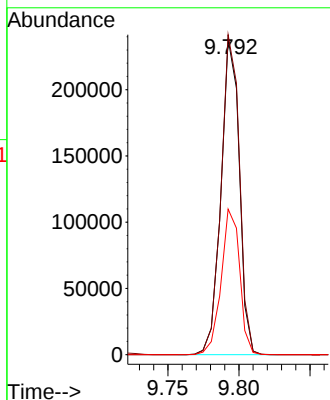
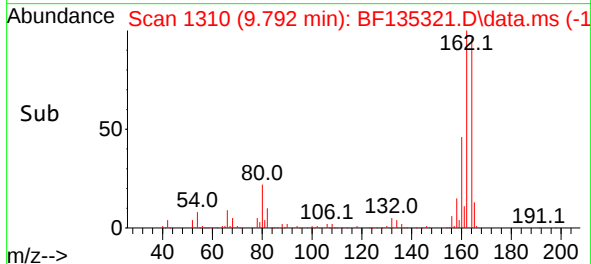


Tgt Ion:164 Resp: 213220
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 46.1 37.0 55.4

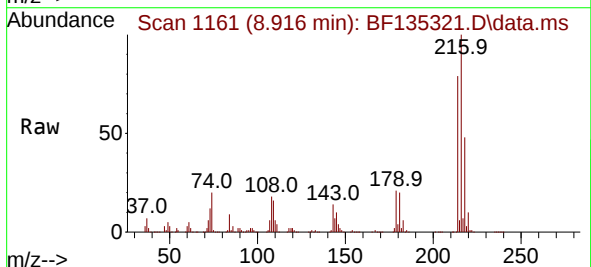
Manual Integrations

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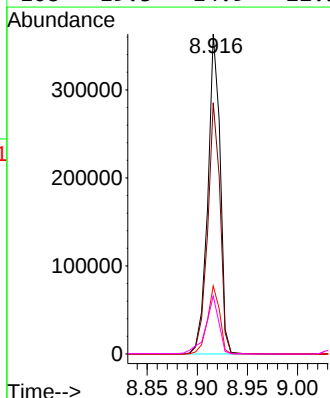
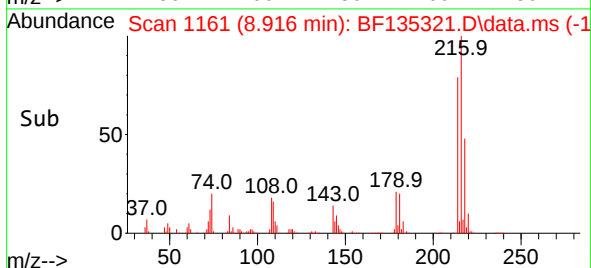
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

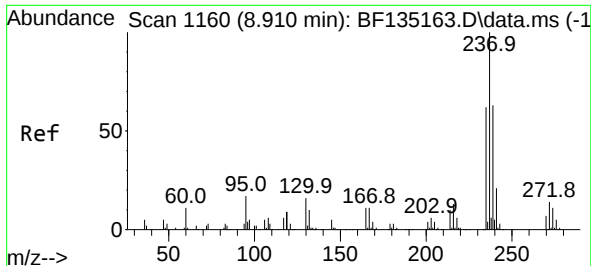


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.488 ng
RT: 8.916 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54



Tgt Ion:216 Resp: 311872
Ion Ratio Lower Upper
216 100
214 79.2 63.7 95.5
179 21.0 16.7 25.1
108 19.3 14.9 22.3





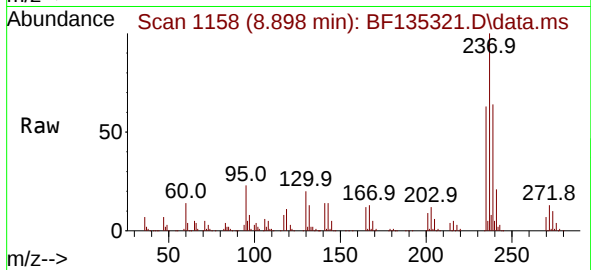
#41
Hexachlorocyclopentadiene
Concen: 60.501 ng
RT: 8.898 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

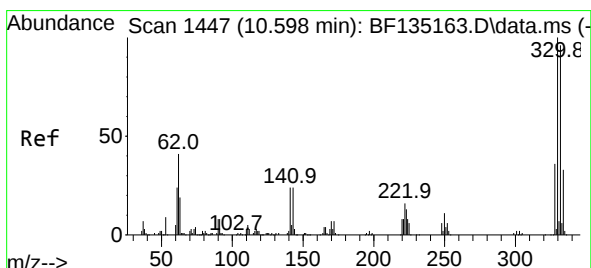
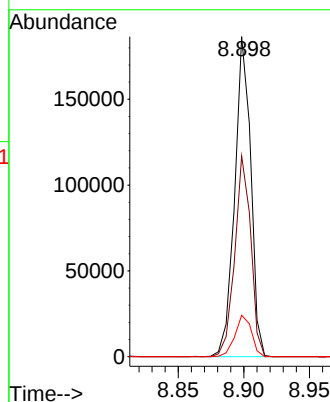
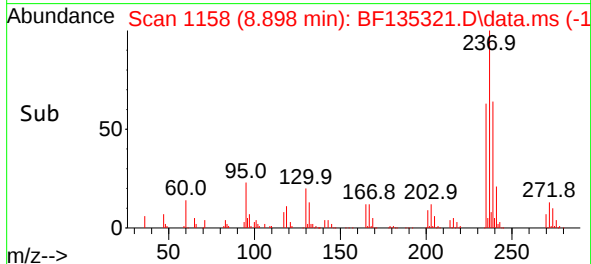


Tgt Ion:237 Resp: 15927
Ion Ratio Lower Upper
237 100
235 62.8 41.8 81.8
272 13.0 0.0 33.6

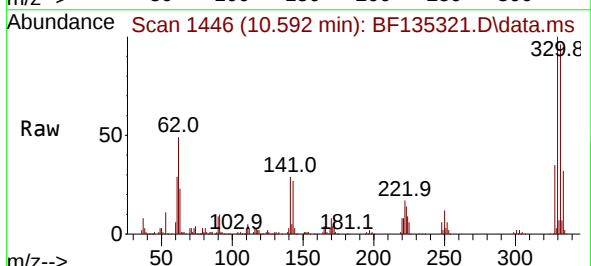
Manual Integrations

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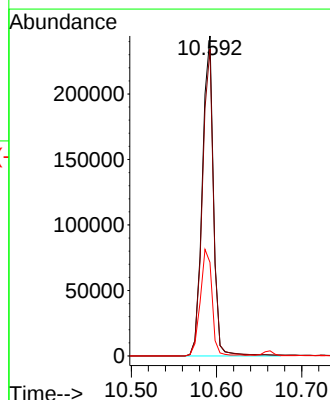
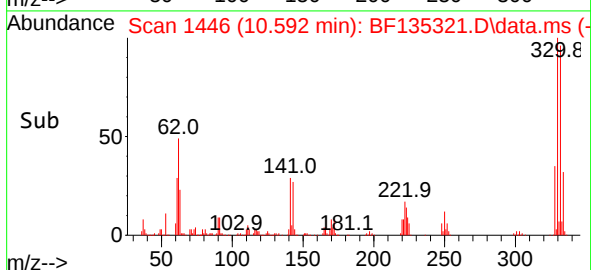
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

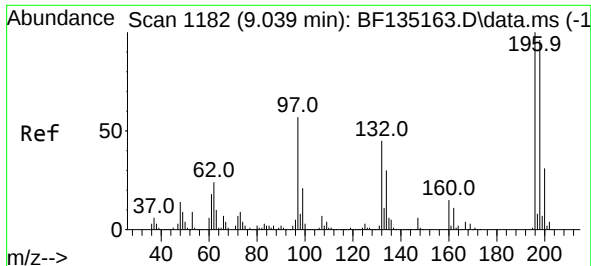


#42
2,4,6-Tribromophenol
Concen: 104.501 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54



Tgt Ion:330 Resp: 221426
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 35.4 25.8 38.8





#43

2,4,6-Trichlorophenol

Concen: 50.204 ng

RT: 9.034 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF135321.D

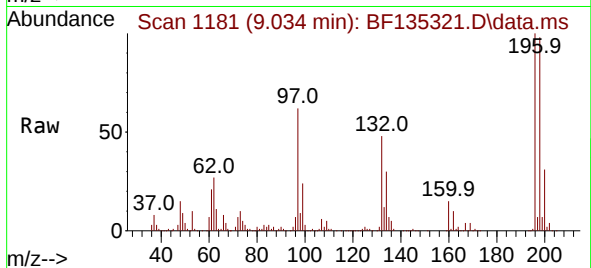
Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD



Tgt Ion:196 Resp: 203048

Ion Ratio Lower Upper

196 100

198 97.5 77.0 115.6

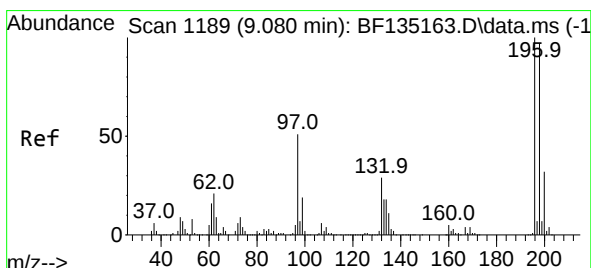
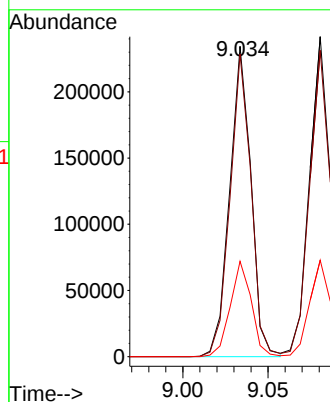
200 30.7 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#44

2,4,5-Trichlorophenol

Concen: 46.349 ng

RT: 9.081 min Scan# 1189

Delta R.T. 0.000 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Tgt Ion:196 Resp: 215878

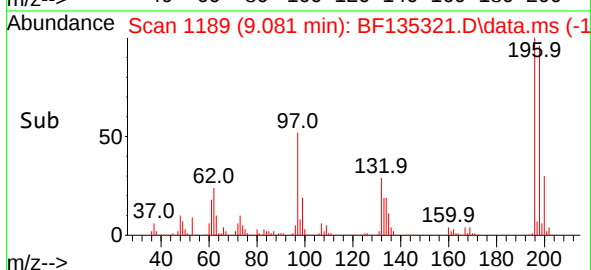
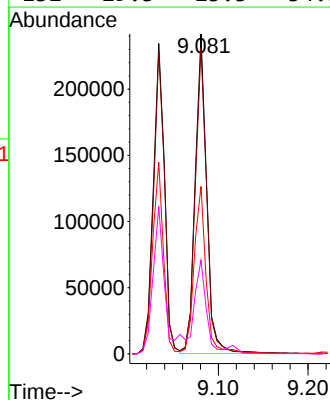
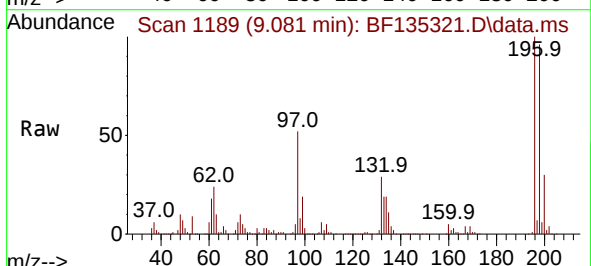
Ion Ratio Lower Upper

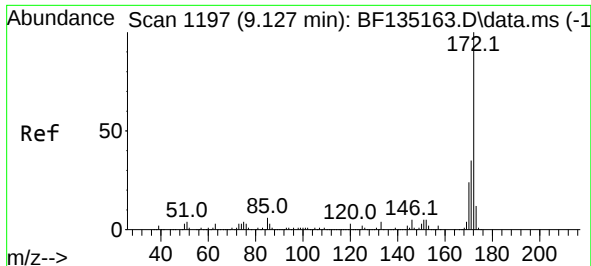
196 100

198 95.7 77.5 116.3

97 52.3 40.5 60.7

132 29.3 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 84.490 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

Tgt Ion:172 Resp: 1194058

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

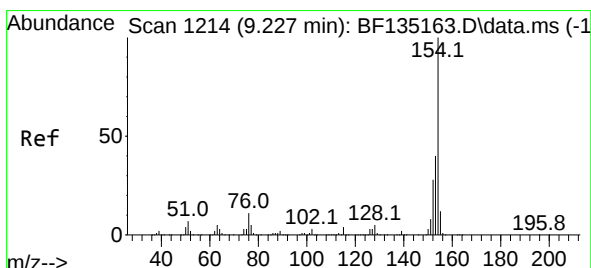
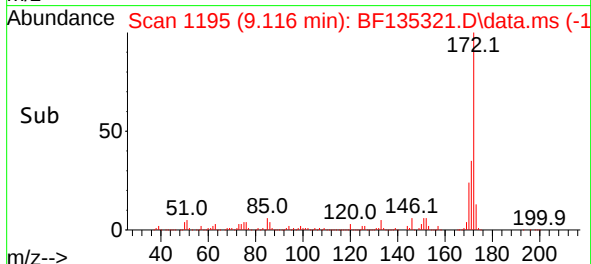
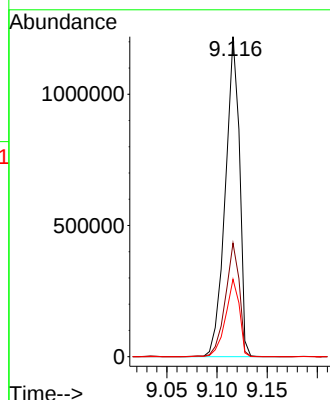
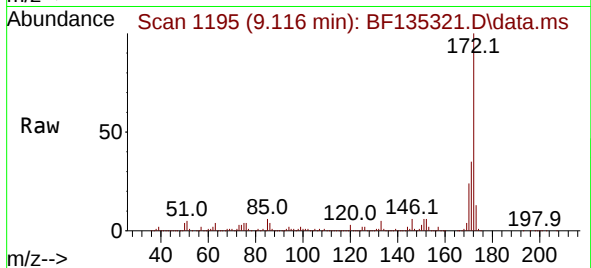
170 24.2 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#46

1,1'-Biphenyl

Concen: 49.814 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

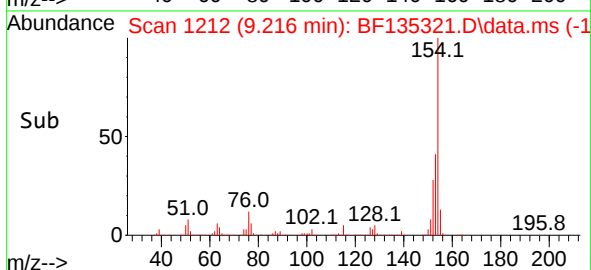
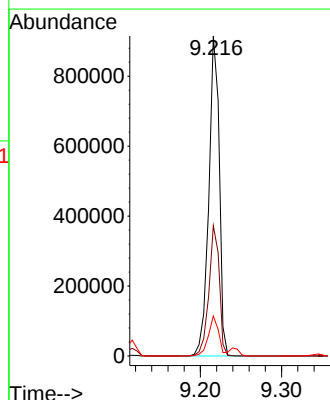
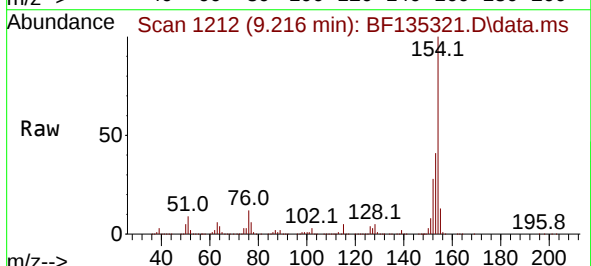
Tgt Ion:154 Resp: 816230

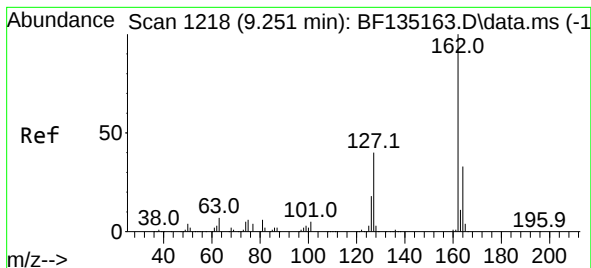
Ion Ratio Lower Upper

154 100

153 40.8 19.6 59.6

76 12.5 0.0 31.0





#47

2-Chloronaphthalene

Concen: 51.547 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

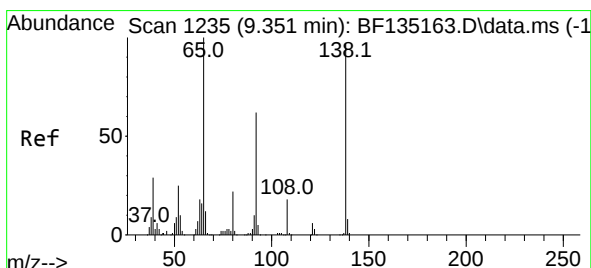
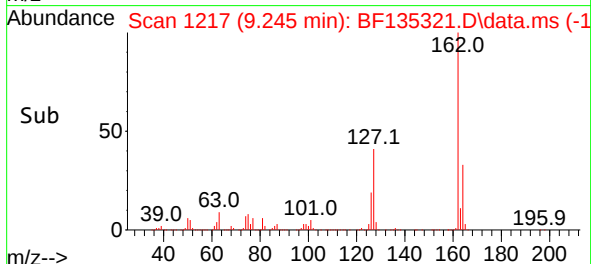
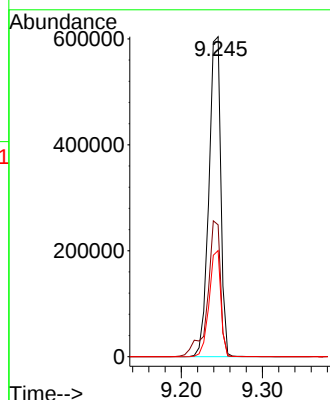
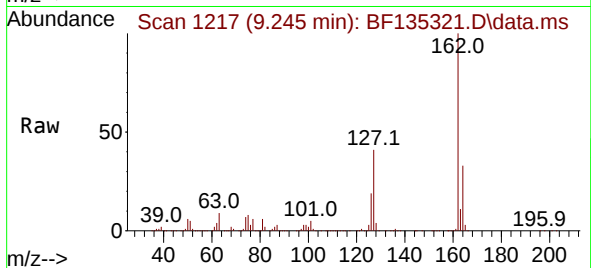
72-11976MSD

Tgt Ion:162 Resp: 61282
 Ion Ratio Lower Upper
 162 100
 127 41.2 32.6 48.8
 164 33.2 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023



#48

2-Nitroaniline

Concen: 49.984 ng

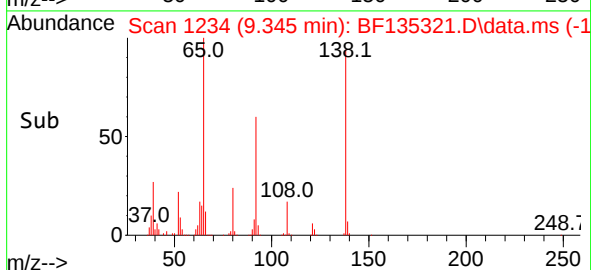
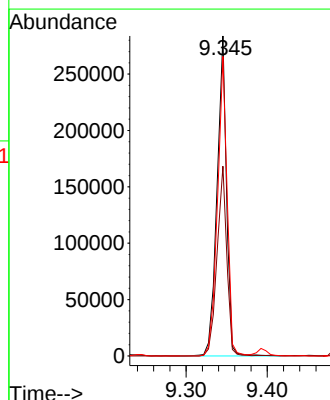
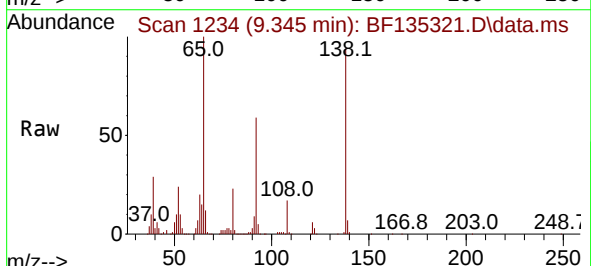
RT: 9.345 min Scan# 1234

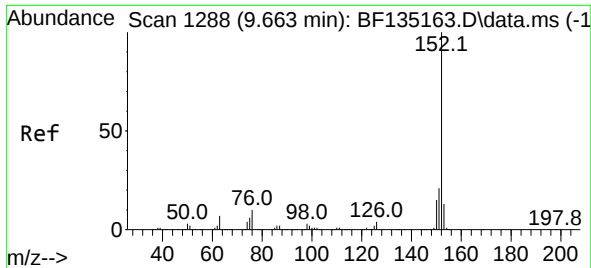
Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Tgt Ion: 65 Resp: 230863
 Ion Ratio Lower Upper
 65 100
 92 59.3 49.4 74.0
 138 93.6 77.4 116.0





#49

Acenaphthylene

Concen: 50.165 ng

RT: 9.657 min Scan# 1287

Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

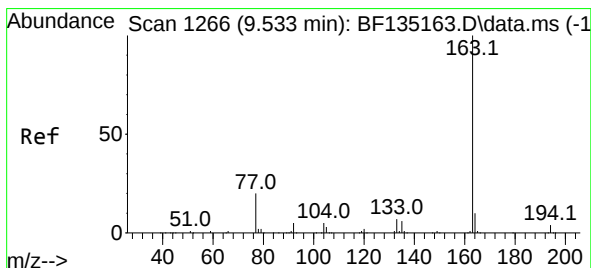
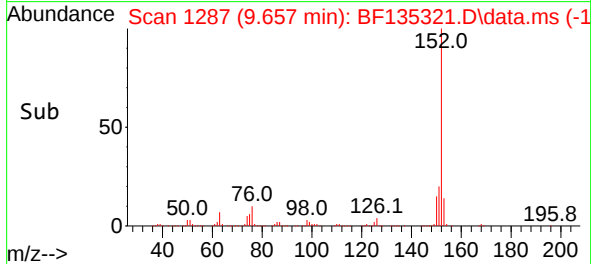
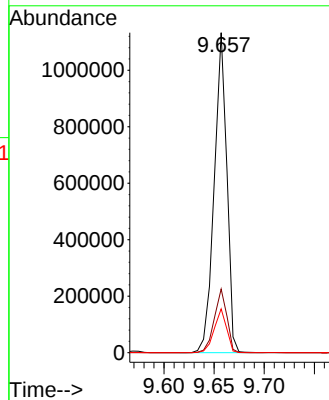
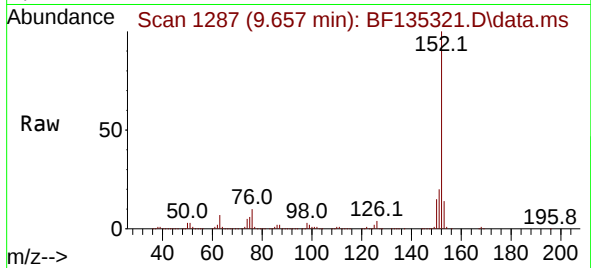
Tgt Ion:152 Resp: 991172
 Ion Ratio Lower Upper
 152 100
 151 19.9 16.4 24.6
 153 13.7 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#50

Dimethylphthalate

Concen: 50.316 ng

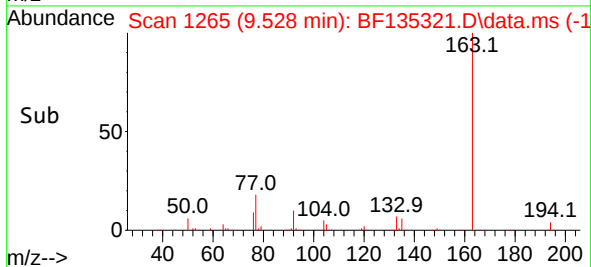
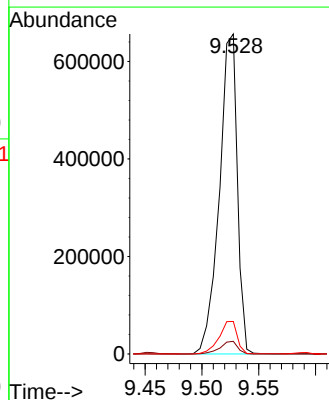
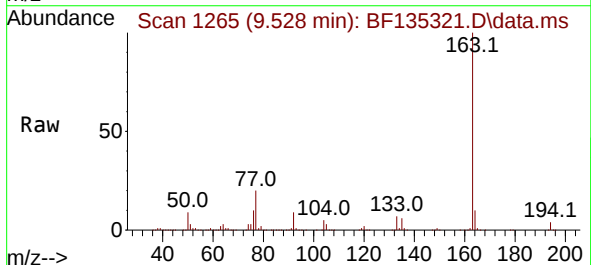
RT: 9.528 min Scan# 1265

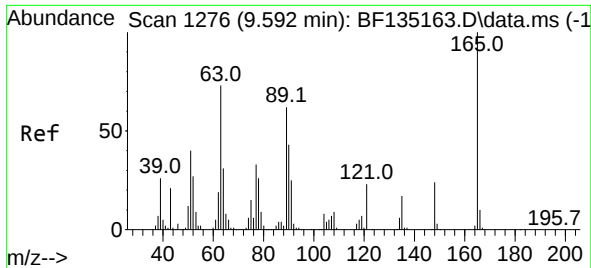
Delta R.T. -0.005 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Tgt Ion:163 Resp: 725352
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.1 4.7
 164 10.2 8.1 12.1





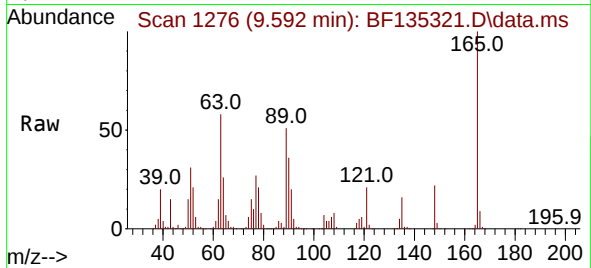
#51
2,6-Dinitrotoluene
Concen: 49.998 ng
RT: 9.592 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD



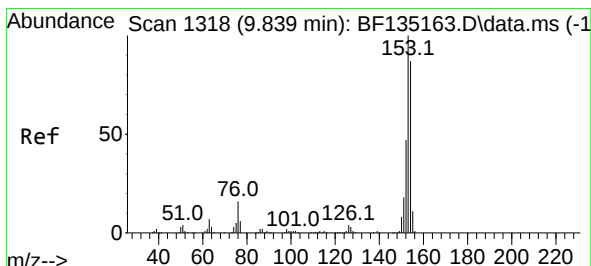
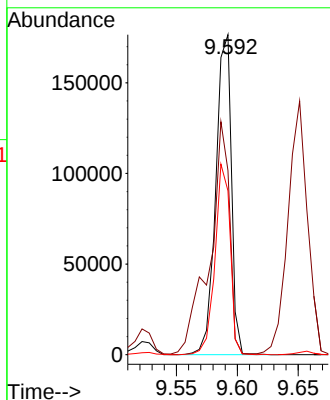
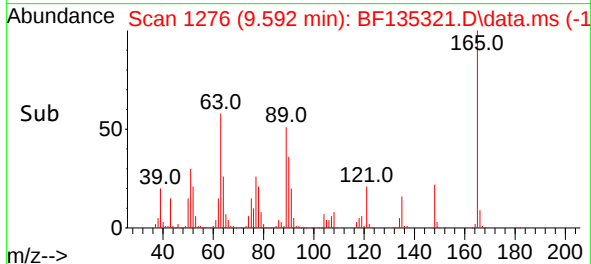
Tgt Ion:165 Resp: 157890
Ion Ratio Lower Upper
165 100
63 57.6 59.4 89.2
89 51.2 49.8 74.8

Manual Integrations

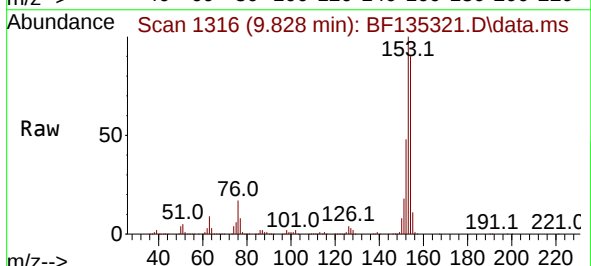
APPROVED

Reviewed By :Yogesh Patel 09/19/2023

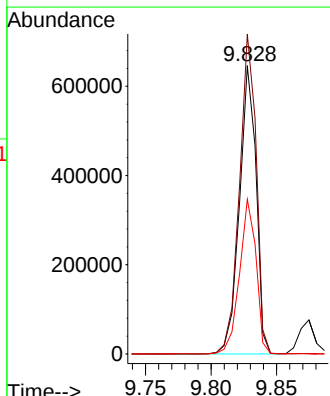
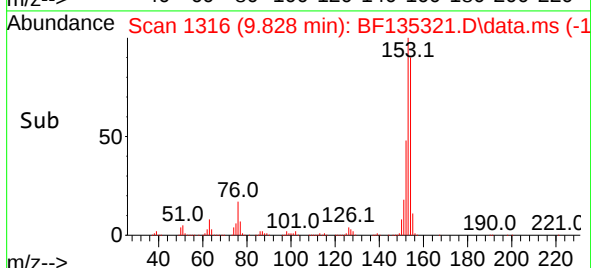
Supervised By :mohammad ahmed 09/19/2023

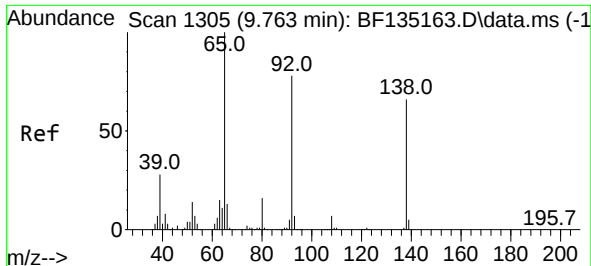


#52
Acenaphthene
Concen: 48.944 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54



Tgt Ion:154 Resp: 571272
Ion Ratio Lower Upper
154 100
153 111.0 92.1 138.1
152 53.6 43.1 64.7





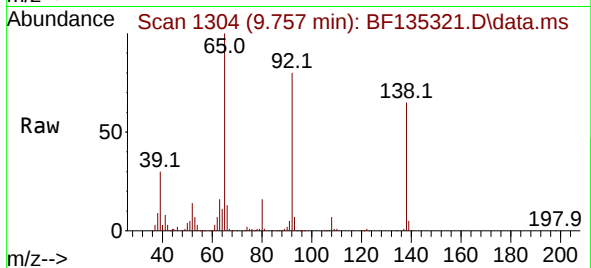
#53
3-Nitroaniline
Concen: 37.721 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD



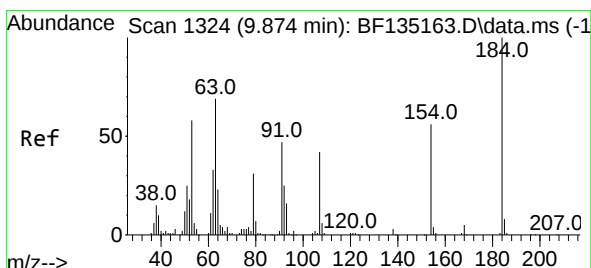
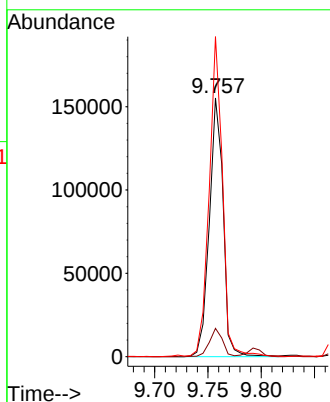
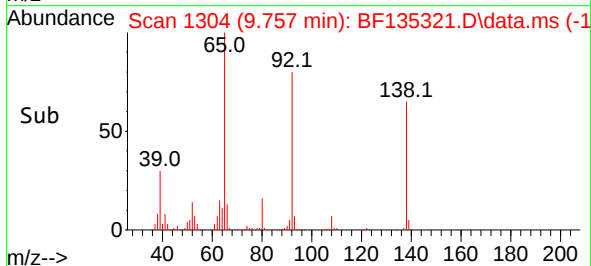
Tgt Ion:138 Resp: 13983
Ion Ratio Lower Upper
138 100
108 11.0 8.5 12.7
92 123.7 95.4 143.0

Manual Integrations

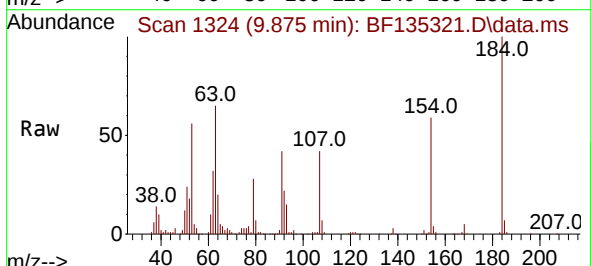
APPROVED

Reviewed By :Yogesh Patel 09/19/2023

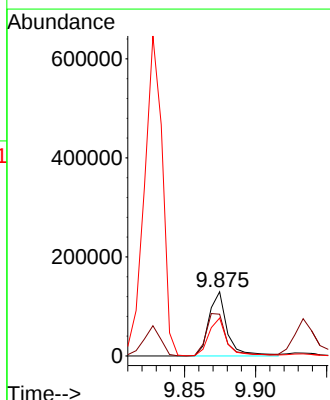
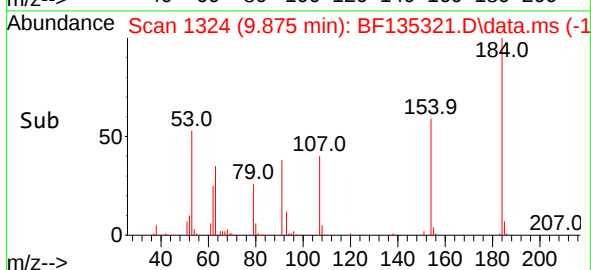
Supervised By :mohammad ahmed 09/19/2023

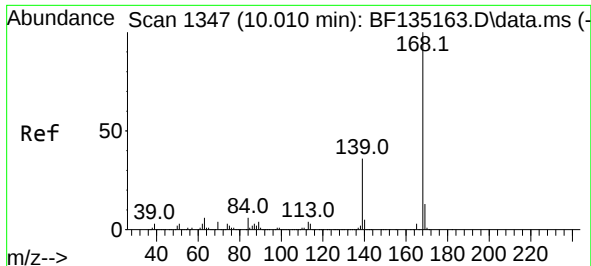


#54
2,4-Dinitrophenol
Concen: 66.087 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.001 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54



Tgt Ion:184 Resp: 116367
Ion Ratio Lower Upper
184 100
63 65.1 55.1 82.7
154 59.0 48.4 72.6





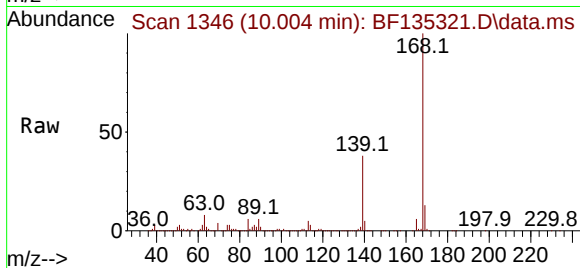
#55
Dibenzenofuran
Concen: 46.378 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD



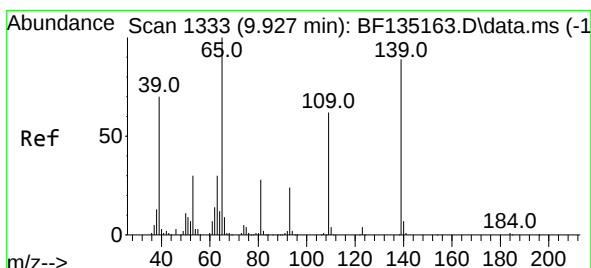
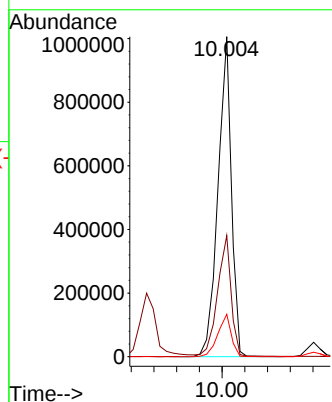
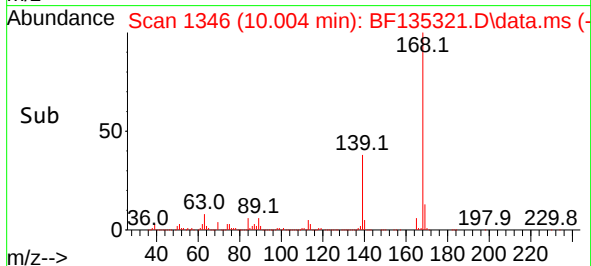
Tgt Ion:168 Resp: 826058
Ion Ratio Lower Upper
168 100
139 37.9 29.0 43.6
169 13.3 10.4 15.6

Manual Integrations

APPROVED

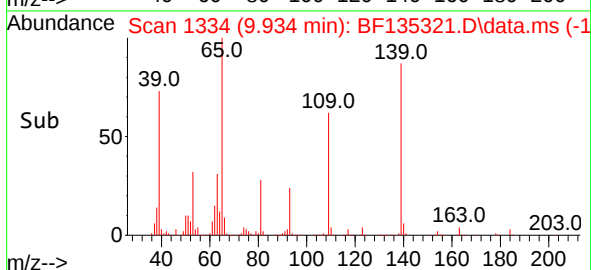
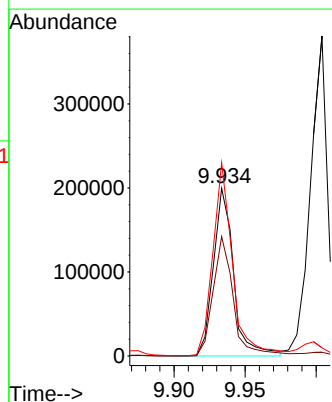
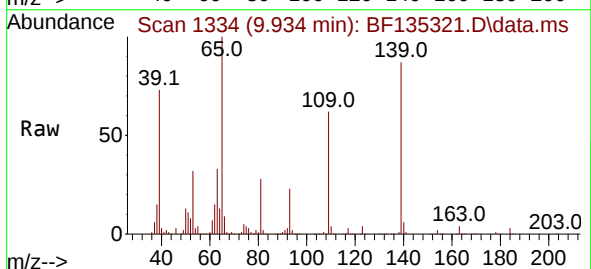
Reviewed By :Yogesh Patel 09/19/2023

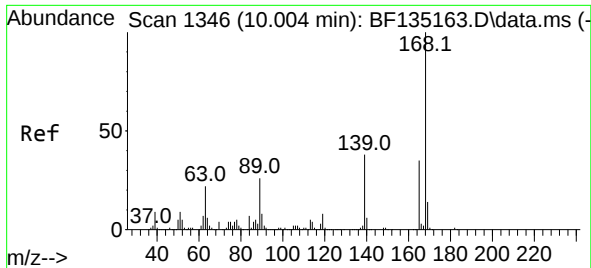
Supervised By :mohammad ahmed 09/19/2023



#56
4-Nitrophenol
Concen: 84.037 ng
RT: 9.934 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Tgt Ion:139 Resp: 197990
Ion Ratio Lower Upper
139 100
109 71.2 49.8 89.8
65 115.2 92.7 132.7





#57
2,4-Dinitrotoluene
Concen: 44.912 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

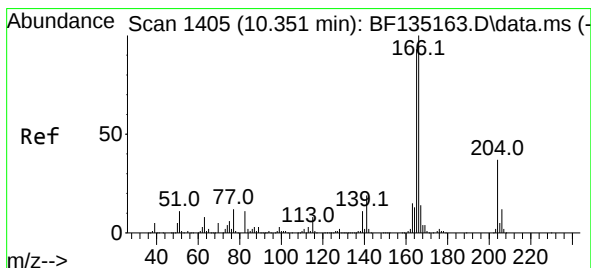
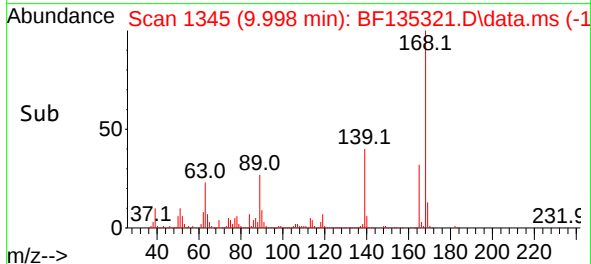
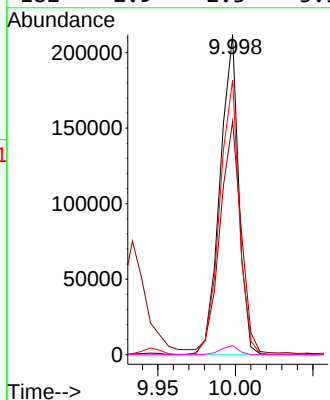
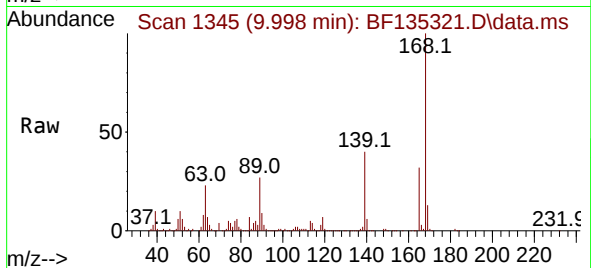
ClientSampleId :

72-11976MSD

Tgt Ion:165 Resp: 177564
Ion Ratio Lower Upper
165 100
63 72.9 50.1 75.1
89 85.9 59.3 88.9
182 2.9 2.3 3.5

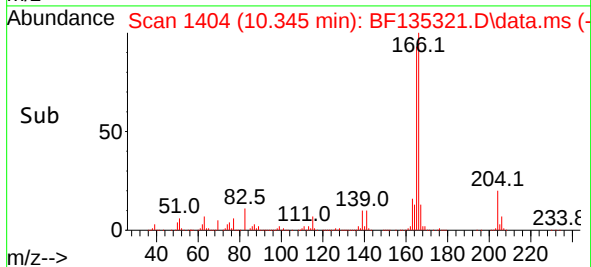
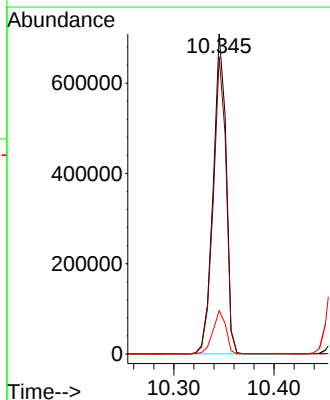
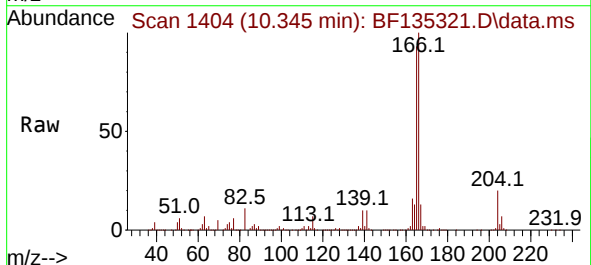
Manual Integrations
APPROVED

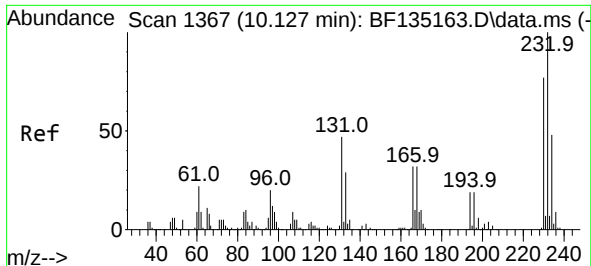
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#58
Fluorene
Concen: 46.175 ng
RT: 10.345 min Scan# 1404
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

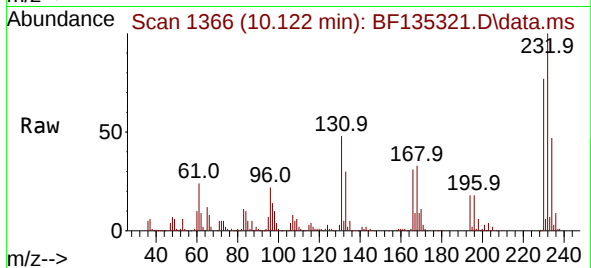
Tgt Ion:166 Resp: 632267
Ion Ratio Lower Upper
166 100
165 92.8 74.3 111.5
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.033 ng
RT: 10.122 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

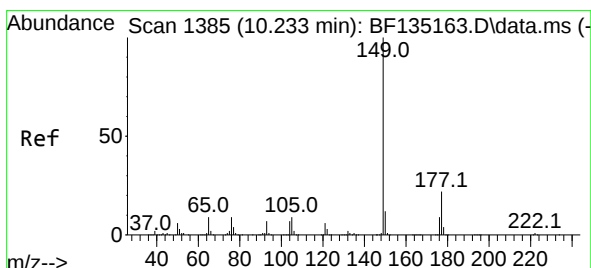
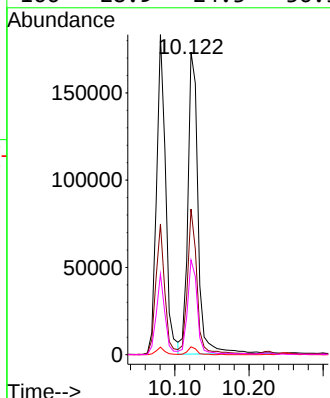
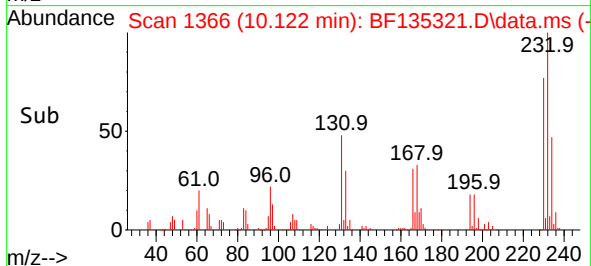
Instrument :
BNA_F
ClientSampleId :
72-11976MSD



Tgt Ion:232 Resp: 164929
Ion Ratio Lower Upper
232 100
131 44.7 35.4 53.2
130 2.3 1.8 2.8
166 28.9 24.3 36.5

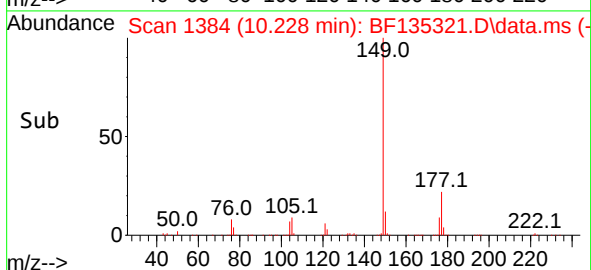
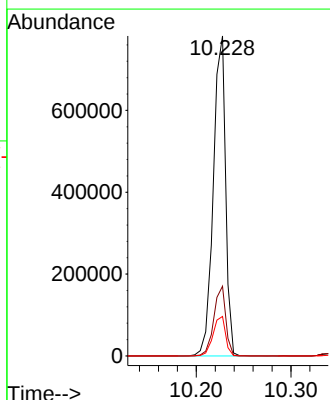
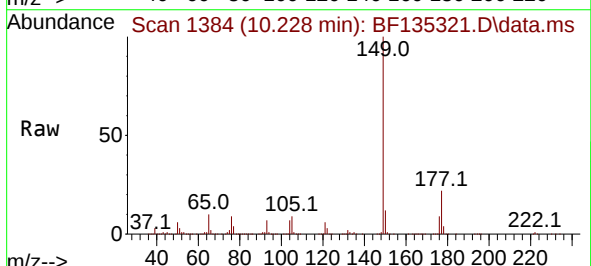
Manual Integrations
APPROVED

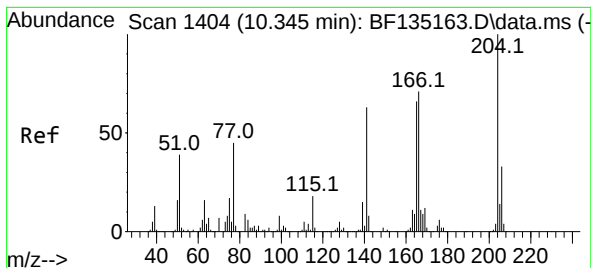
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#60
Diethylphthalate
Concen: 48.863 ng
RT: 10.228 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Tgt Ion:149 Resp: 706928
Ion Ratio Lower Upper
149 100
177 21.8 17.8 26.6
150 12.3 10.0 15.0





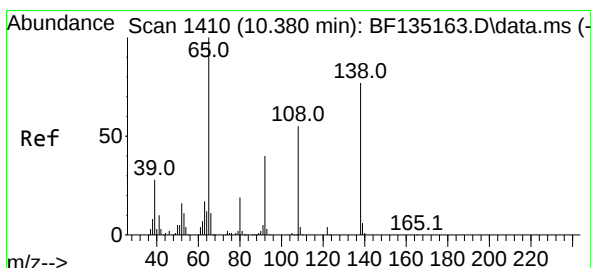
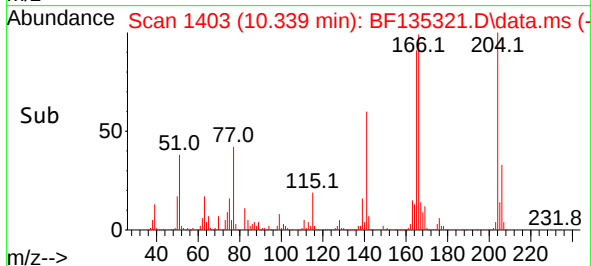
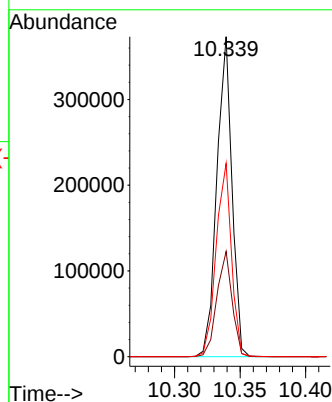
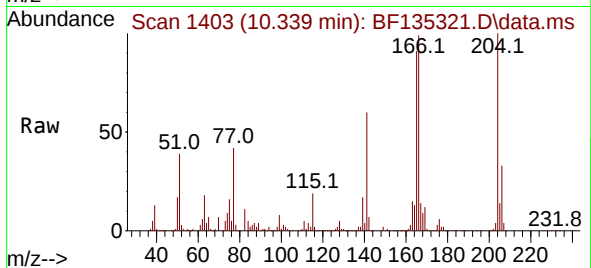
#61
4-Chlorophenyl-phenylether
Concen: 45.382 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Instrument :
BNA_F
ClientSampleId :
72-11976MSD

Tgt Ion:204 Resp: 298502
Ion Ratio Lower Upper
204 100
206 32.9 26.7 40.1
141 60.4 50.6 75.8

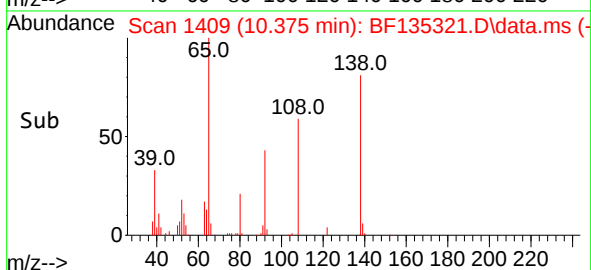
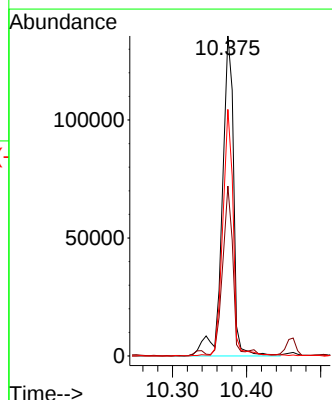
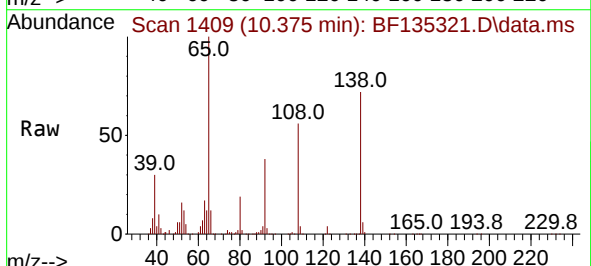
Manual Integrations
APPROVED

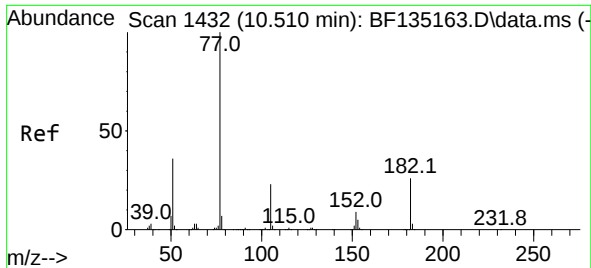
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#62
4-Nitroaniline
Concen: 40.852 ng
RT: 10.375 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

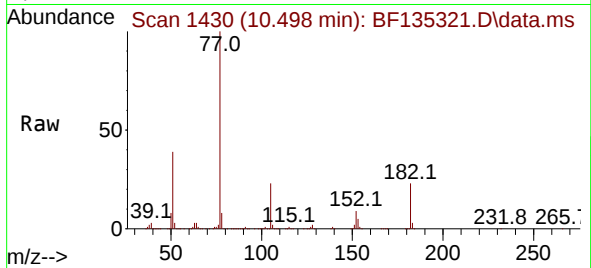
Tgt Ion:138 Resp: 145568
Ion Ratio Lower Upper
138 100
92 53.1 31.8 71.8
108 77.1 52.0 92.0





#63
Azobenzene
Concen: 47.851 ng
RT: 10.498 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

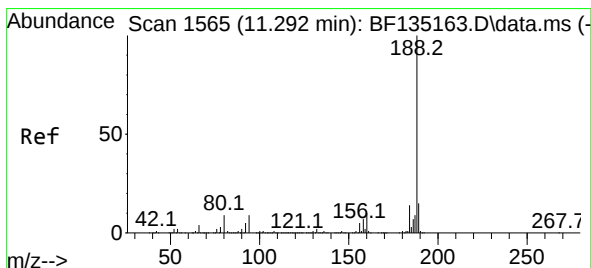
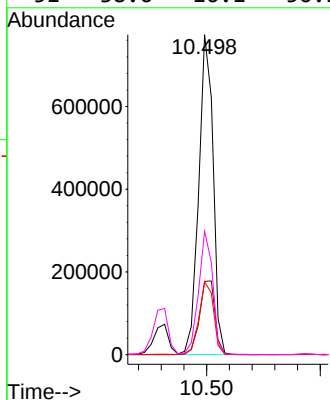
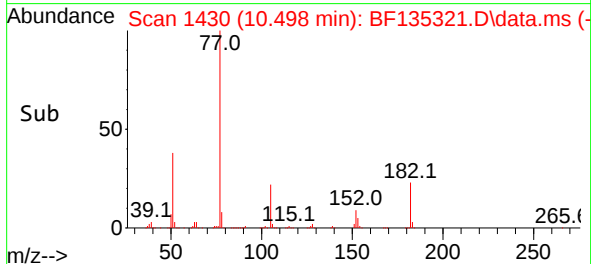
Instrument :
BNA_F
ClientSampleId :
72-11976MSD



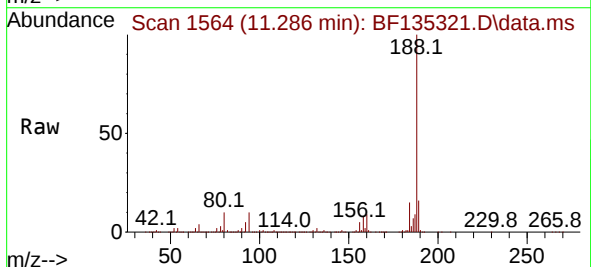
Tgt Ion: 77 Resp: 67753
Ion Ratio Lower Upper
77 100
182 22.9 6.4 46.4
105 22.8 3.1 43.1
51 38.6 16.1 56.1

Manual Integrations
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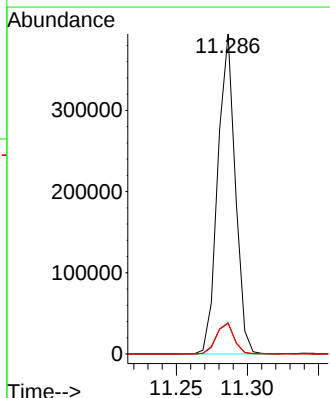
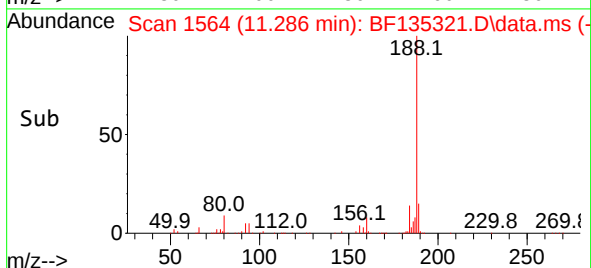
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

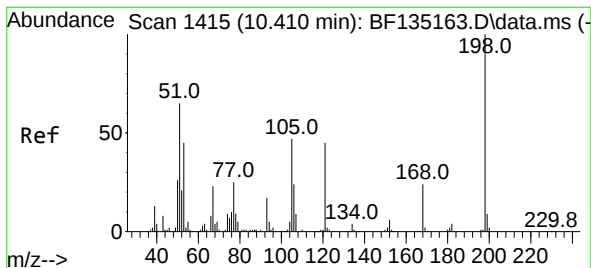


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54



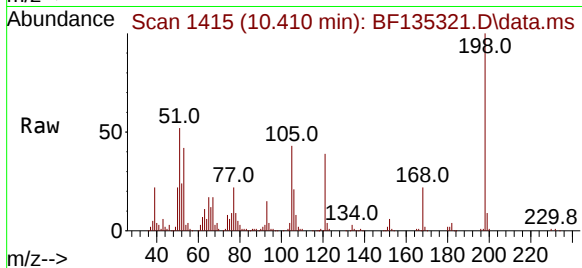
Tgt Ion:188 Resp: 336956
Ion Ratio Lower Upper
188 100
94 9.5 7.0 10.6
80 9.8 7.5 11.3





#65
4,6-Dinitro-2-methylphenol
Concen: 44.325 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

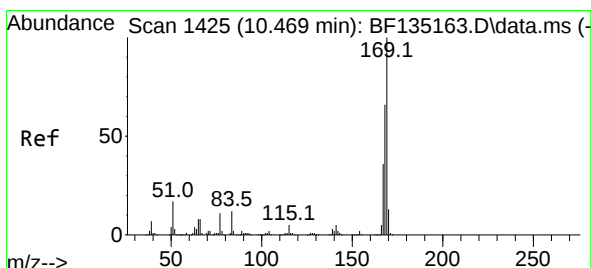
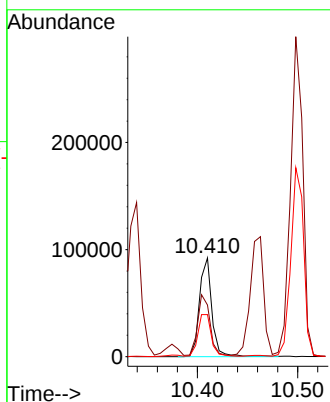
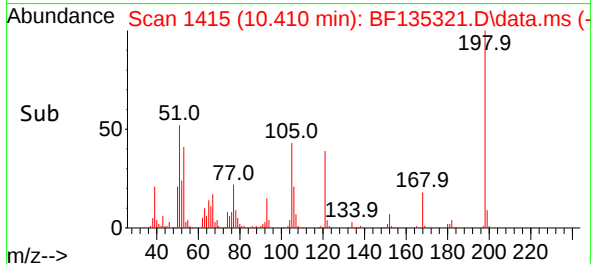
Instrument :
BNA_F
ClientSampleId :
72-11976MSD



Tgt Ion:198 Resp: 79328
Ion Ratio Lower Upper
198 100
51 52.4 47.7 87.7
105 42.7 27.4 67.4

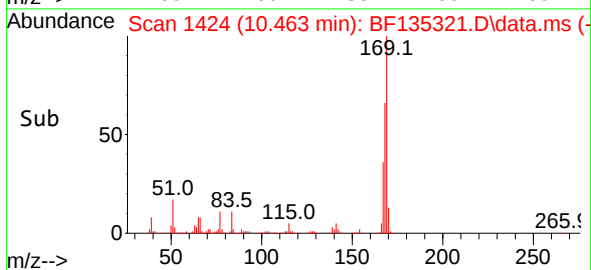
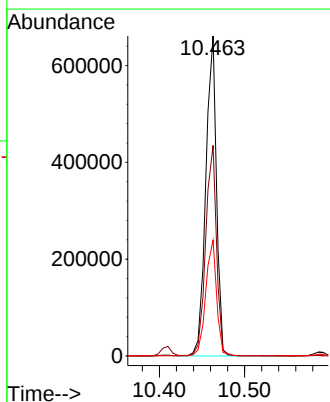
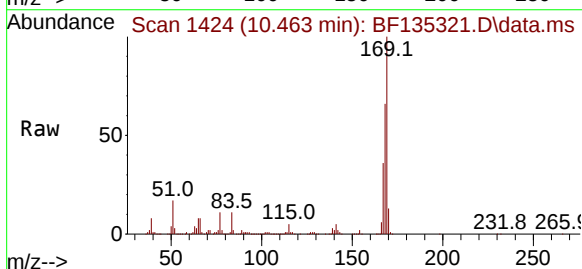
Manual Integrations
APPROVED

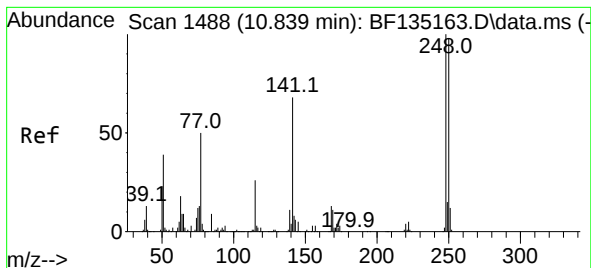
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#66
n-Nitrosodiphenylamine
Concen: 56.113 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

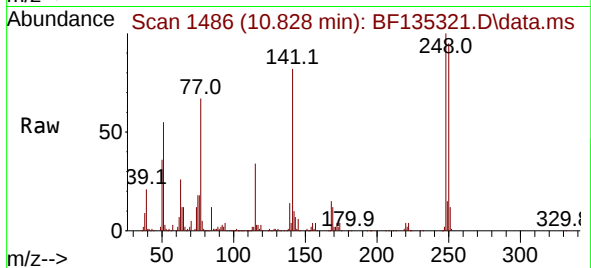
Tgt Ion:169 Resp: 572421
Ion Ratio Lower Upper
169 100
168 65.8 52.8 79.2
167 36.2 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 55.420 ng
RT: 10.828 min Scan# 1486
Delta R.T. -0.012 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

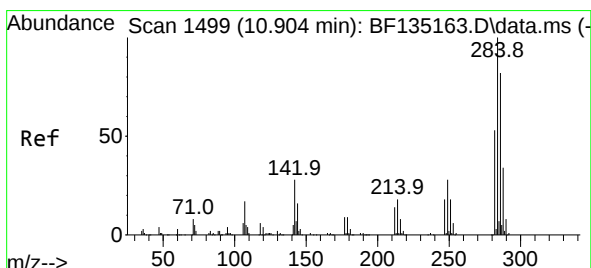
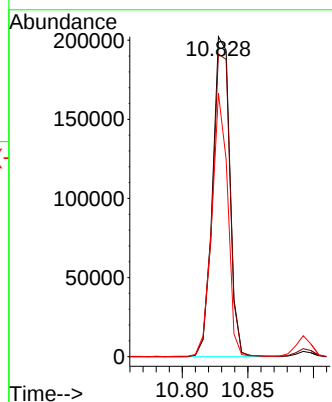
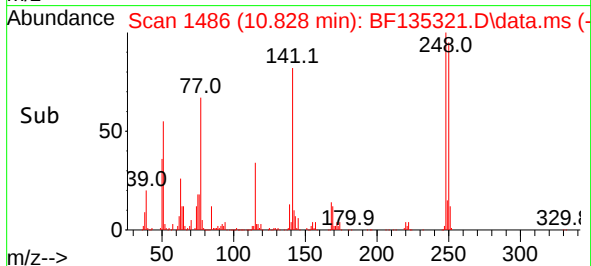
Instrument :
BNA_F
ClientSampleId :
72-11976MSD



Tgt Ion:248 Resp: 185729
Ion Ratio Lower Upper
248 100
250 94.6 78.6 117.8
141 82.3 54.2 81.2

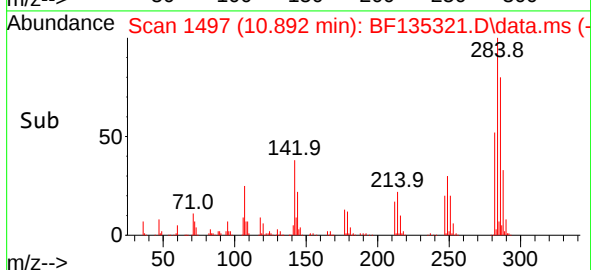
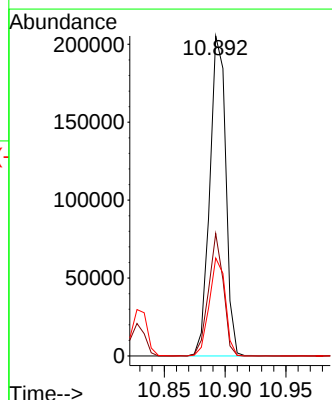
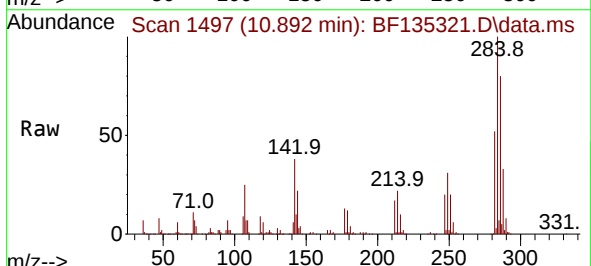
Manual Integrations
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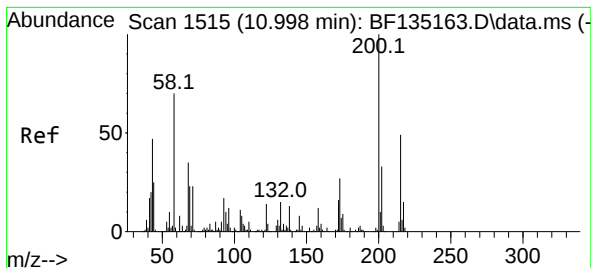
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#68
Hexachlorobenzene
Concen: 55.036 ng
RT: 10.892 min Scan# 1497
Delta R.T. -0.012 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Tgt Ion:284 Resp: 187903
Ion Ratio Lower Upper
284 100
142 38.2 22.2 33.4#
249 30.6 22.5 33.7





#69

Atrazine

Concen: 60.562 ng

RT: 10.992 min Scan# 1514

Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

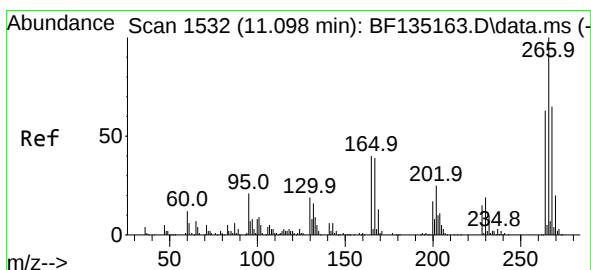
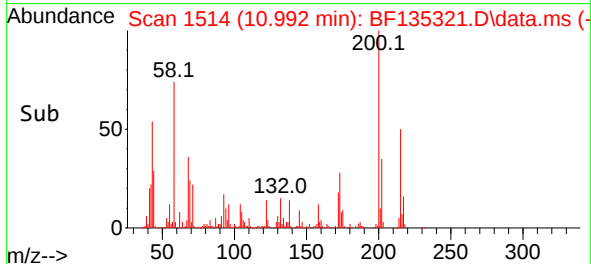
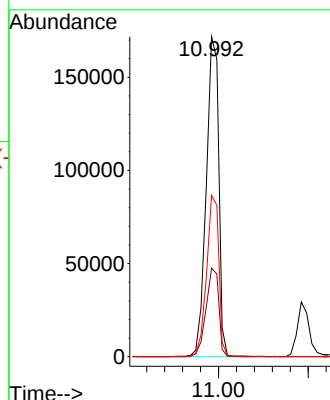
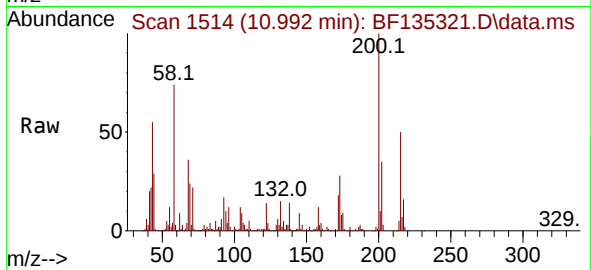
72-11976MSD

Tgt Ion:200 Resp: 166235
 Ion Ratio Lower Upper
 200 100
 173 27.6 7.4 47.4
 215 50.4 28.6 68.6

Manual Integrations

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Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023



#70

Pentachlorophenol

Concen: 76.973 ng

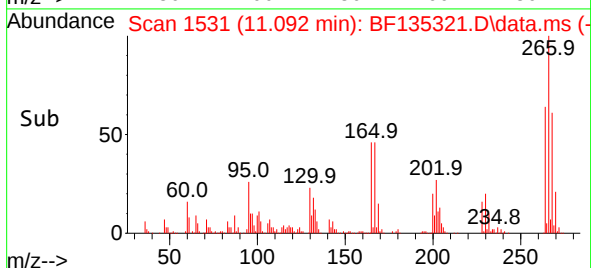
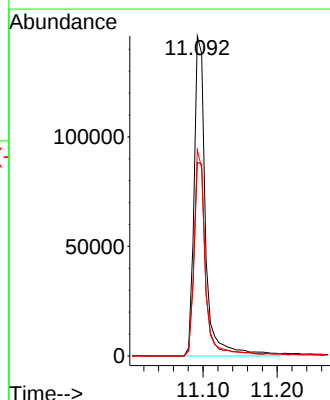
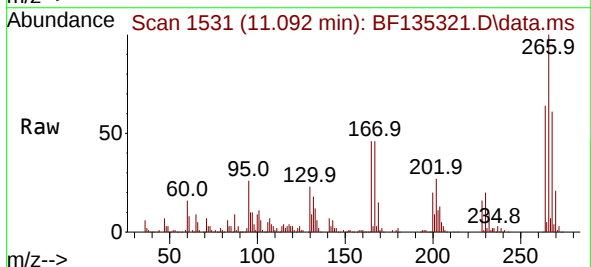
RT: 11.092 min Scan# 1531

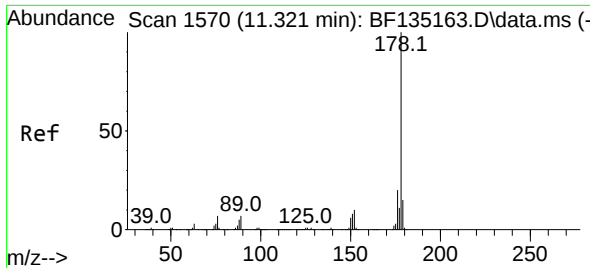
Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

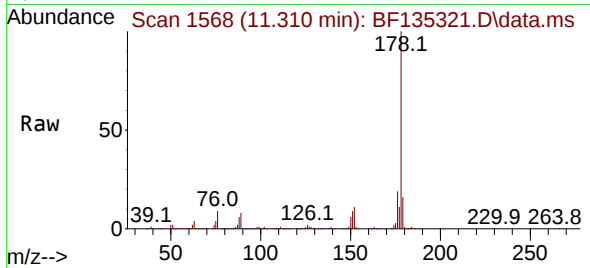
Tgt Ion:266 Resp: 157232
 Ion Ratio Lower Upper
 266 100
 268 60.5 52.1 78.1
 264 64.4 50.8 76.2





#71
Phenanthrene
Concen: 52.389 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

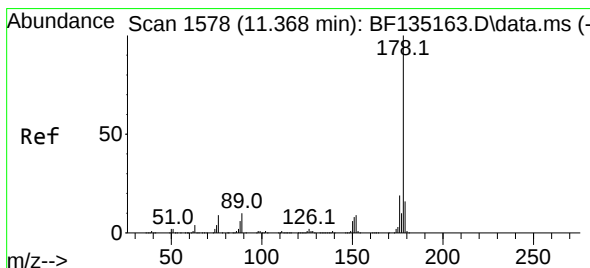
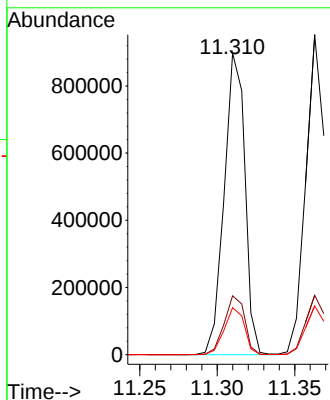
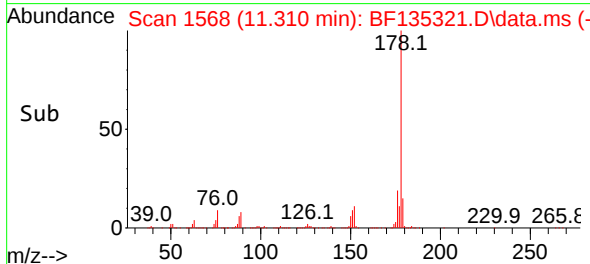
Instrument :
BNA_F
ClientSampleId :
72-11976MSD



Tgt Ion:178 Resp: 834902
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.6 12.0 18.0

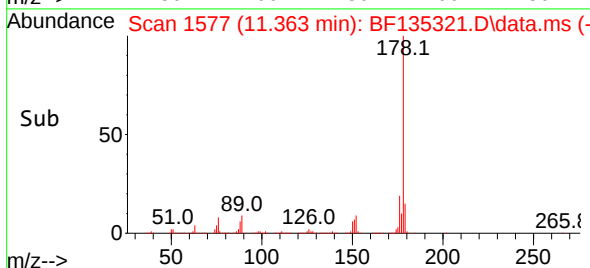
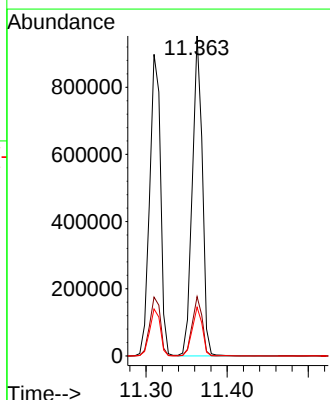
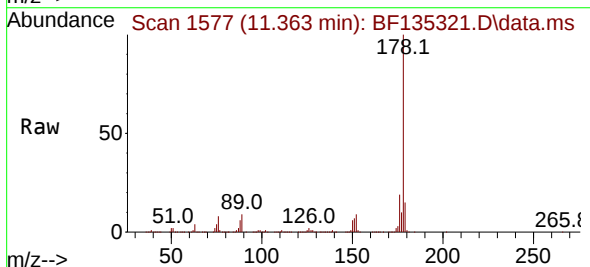
Manual Integrations
APPROVED

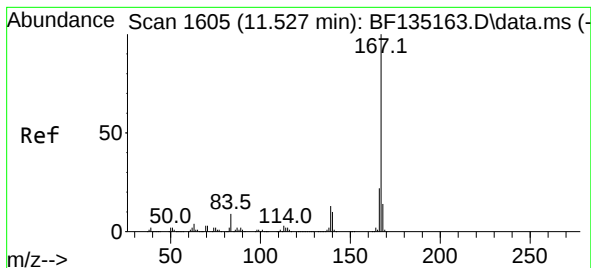
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#72
Anthracene
Concen: 50.166 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Tgt Ion:178 Resp: 821777
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.3 12.6 19.0





#73

Carbazole

Concen: 46.846 ng

RT: 11.522 min Scan# 1604

Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

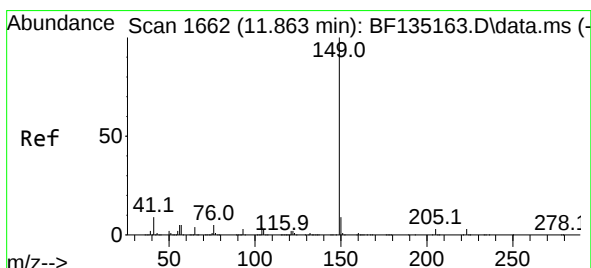
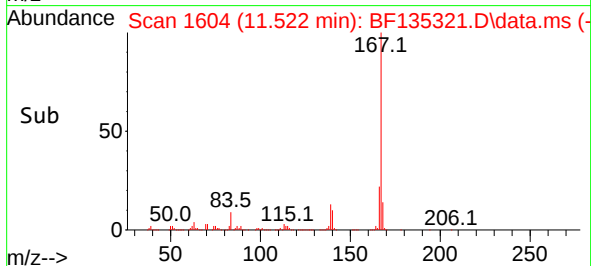
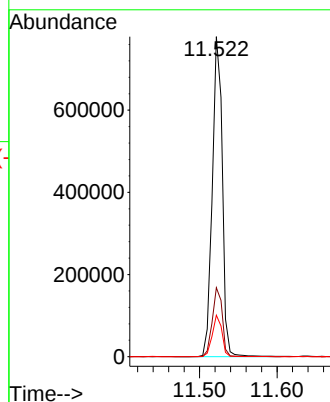
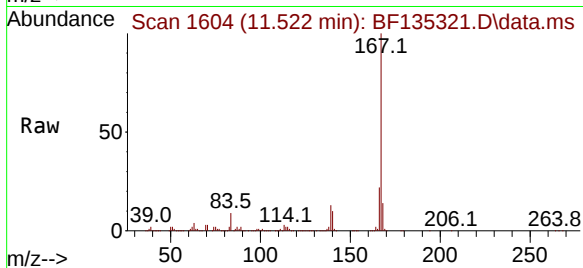
Tgt Ion:167	Resp: 69857
Ion Ratio	Lower Upper
167 100	
166 21.5	17.4 26.0
139 13.0	10.6 15.8

Manual Integrations

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Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#74

Di-n-butylphthalate

Concen: 53.053 ng

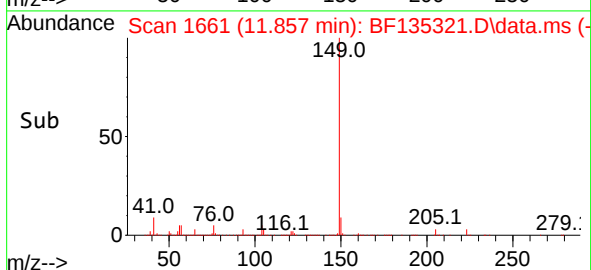
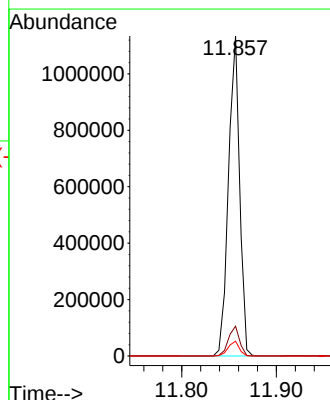
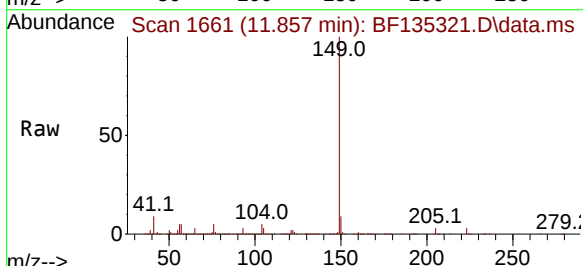
RT: 11.857 min Scan# 1661

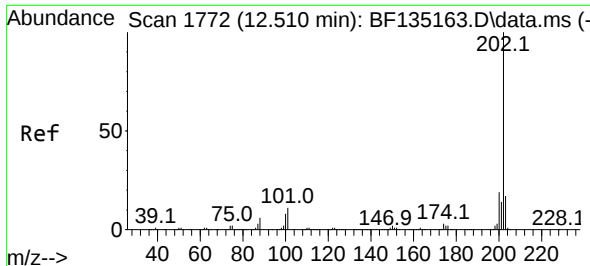
Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

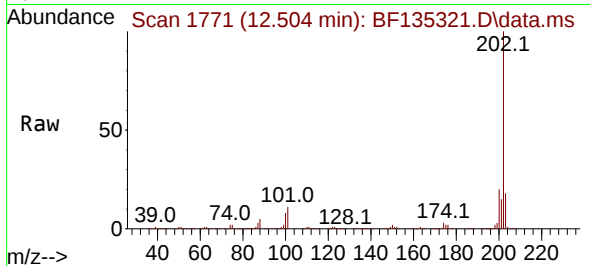
Tgt Ion:149	Resp: 932223
Ion Ratio	Lower Upper
149 100	
150 9.3	7.4 11.0
104 4.6	3.6 5.4





#75
Fluoranthene
Concen: 44.559 ng
RT: 12.504 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

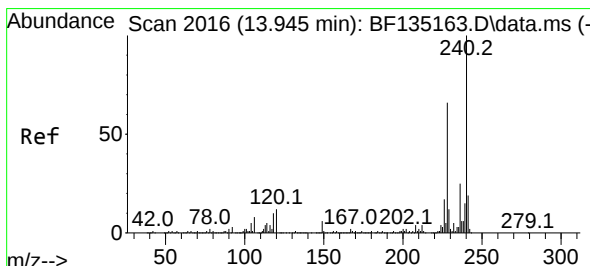
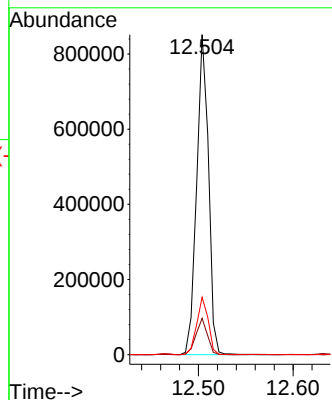
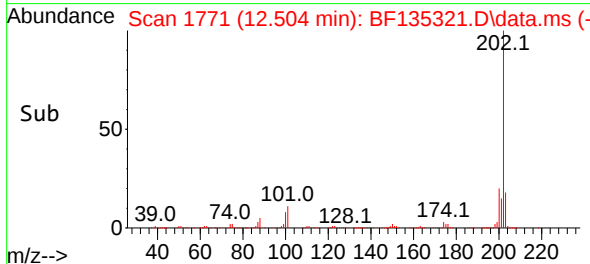
Instrument :
BNA_F
ClientSampleId :
72-11976MSD



Tgt Ion:202 Resp: 739939
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.3
203 18.0 0.0 37.4

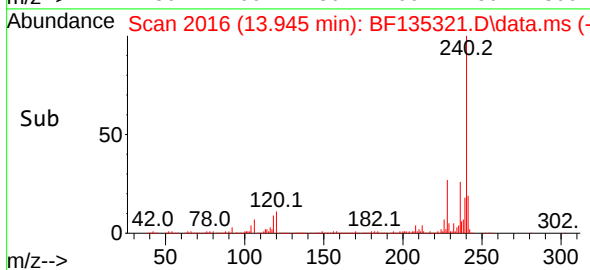
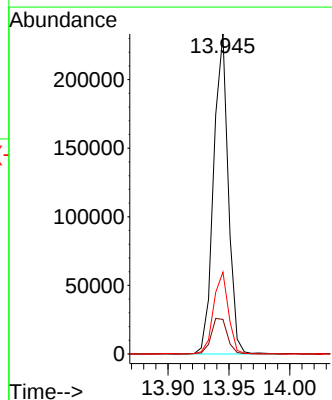
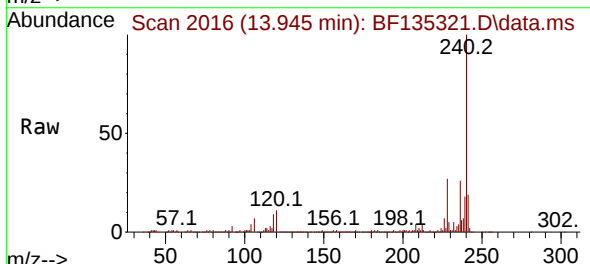
Manual Integrations
APPROVED

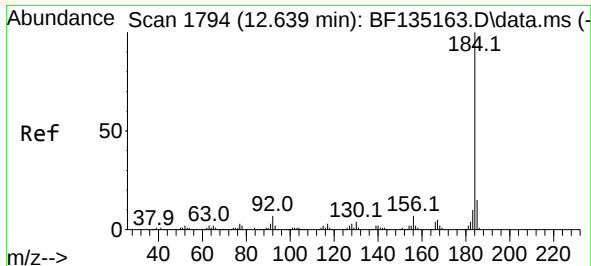
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

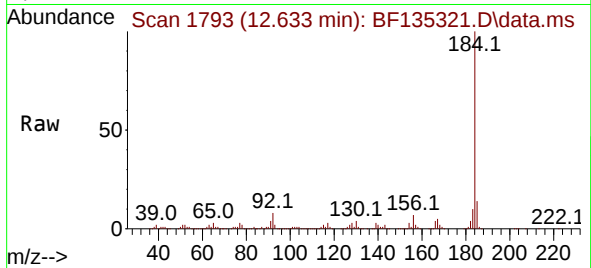
Tgt Ion:240 Resp: 194799
Ion Ratio Lower Upper
240 100
120 10.8 9.4 14.2
236 25.6 19.8 29.8





#77
Benzidine
Concen: 92.453 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

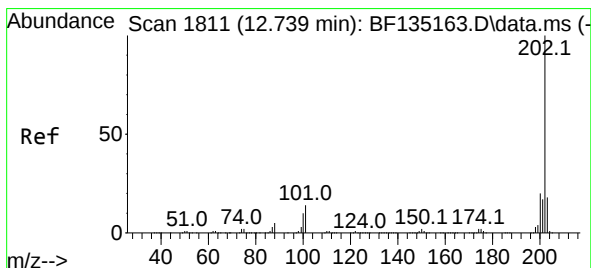
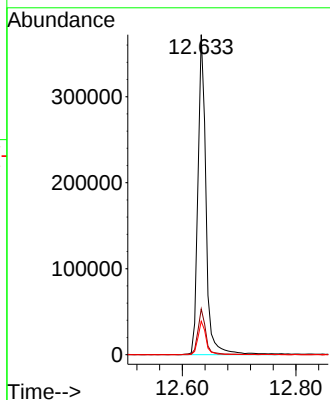
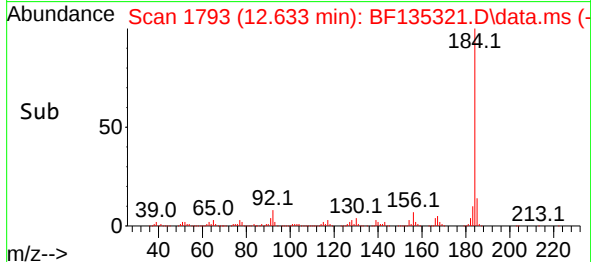
Instrument :
BNA_F
ClientSampleId :
72-11976MSD



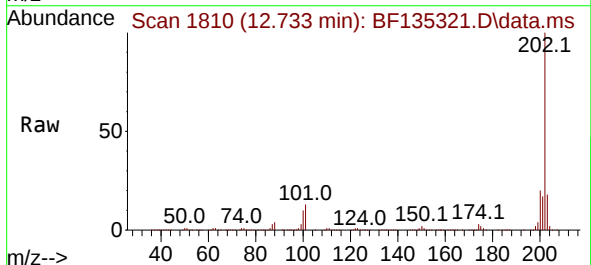
Tgt Ion:184 Resp: 36896
Ion Ratio Lower Upper
184 100
185 14.3 11.7 17.5
183 10.5 8.2 12.4

Manual Integrations
APPROVED

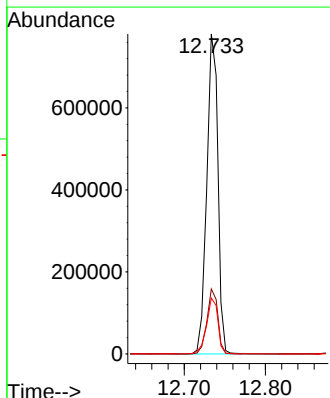
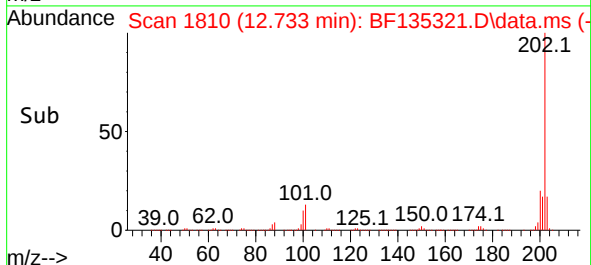
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

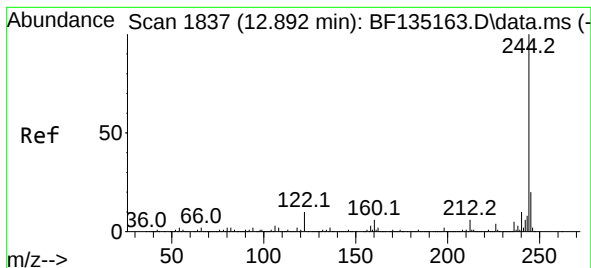


#78
Pyrene
Concen: 39.892 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54



Tgt Ion:202 Resp: 739858
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.2
203 17.5 14.2 21.4





#79

Terphenyl-d14

Concen: 62.963 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.012 min

Lab File: BF135321.D

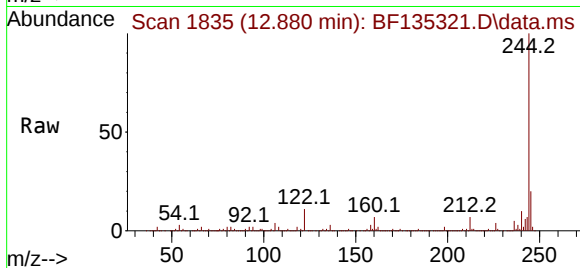
Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD



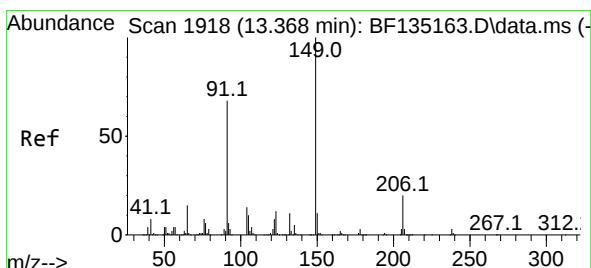
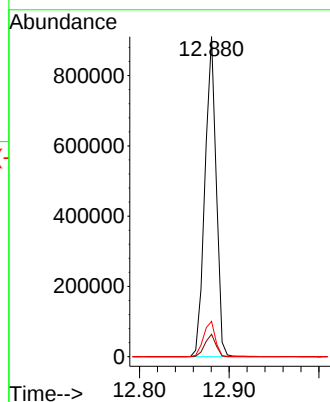
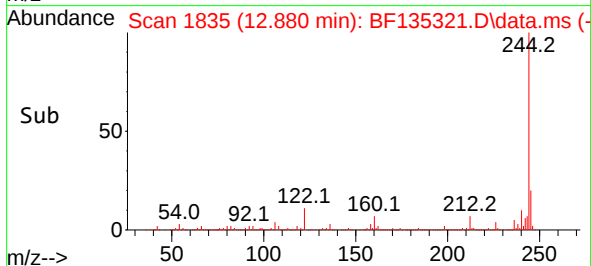
Tgt Ion:	244	Resp:	791204
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.1	7.7
122	11.1	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#80

Butylbenzylphthalate

Concen: 42.915 ng

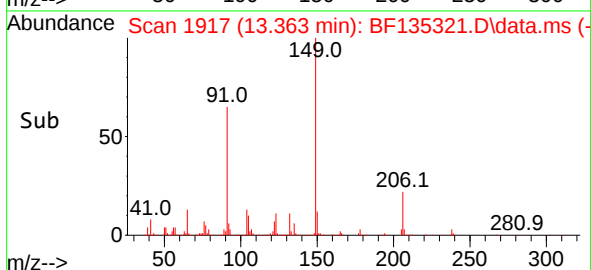
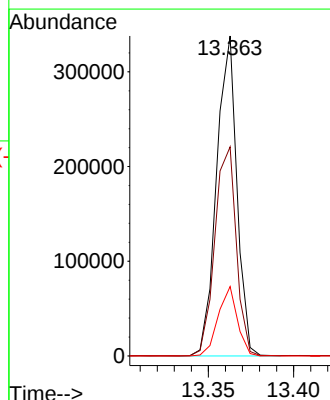
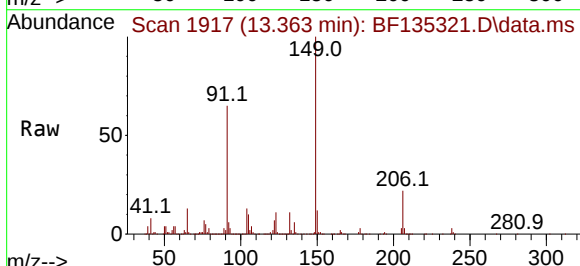
RT: 13.363 min Scan# 1917

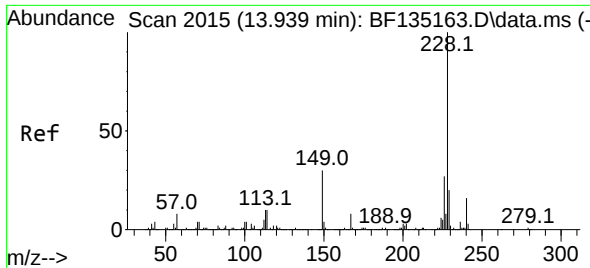
Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Tgt Ion:	149	Resp:	280226
Ion Ratio	Lower	Upper	
149	100		
91	65.4	54.7	82.1
206	21.7	16.3	24.5





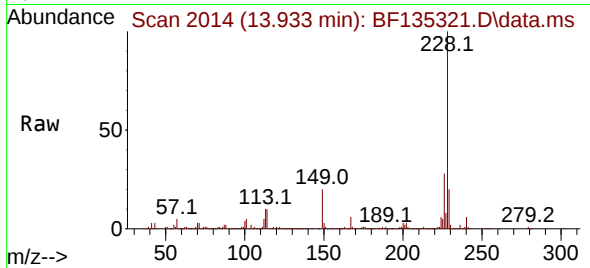
#81
Benzo(a)anthracene
Concen: 50.702 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

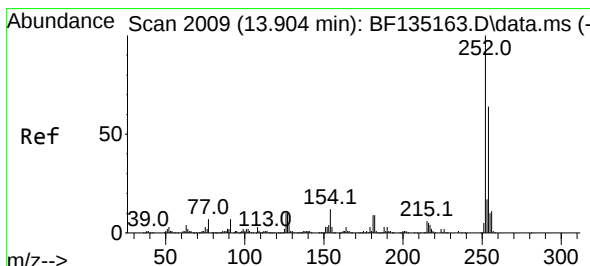
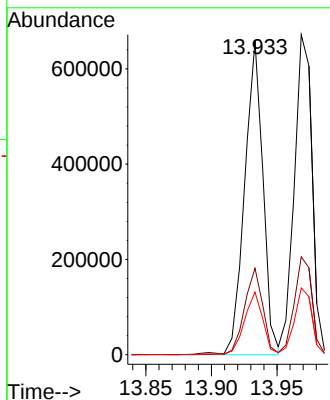
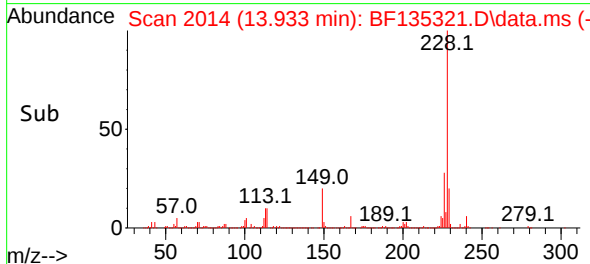


Tgt Ion:228 Resp: 63776
Ion Ratio Lower Upper
228 100
226 27.5 21.7 32.5
229 19.9 15.8 23.8

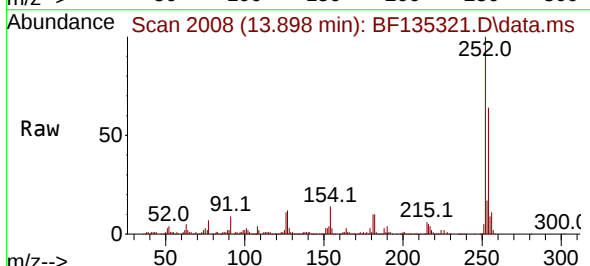
Manual Integrations

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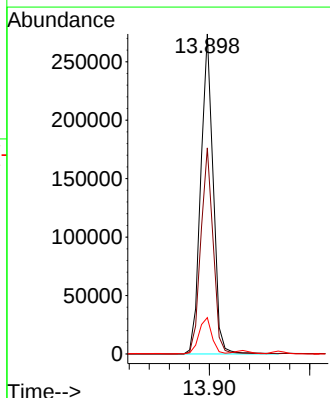
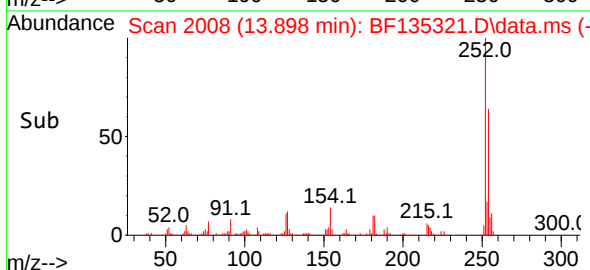
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

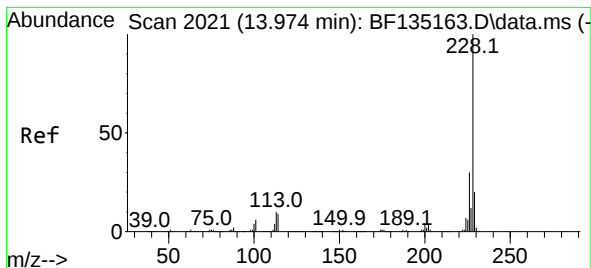


#82
3,3'-Dichlorobenzidine
Concen: 60.211 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54



Tgt Ion:252 Resp: 236570
Ion Ratio Lower Upper
252 100
254 64.4 51.0 76.4
126 11.3 7.8 11.8





#83

Chrysene

Concen: 50.611 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

Tgt Ion:228 Resp: 632949

Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

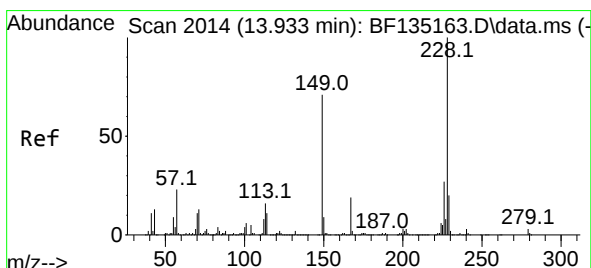
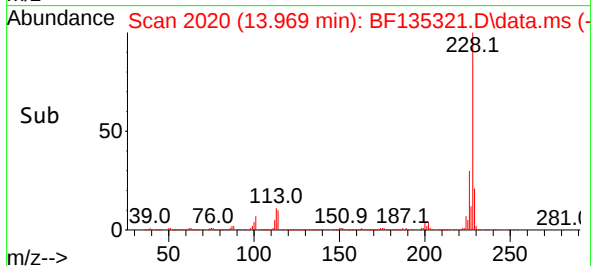
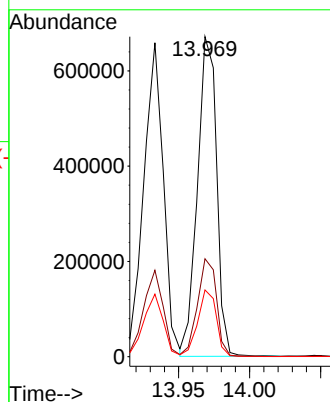
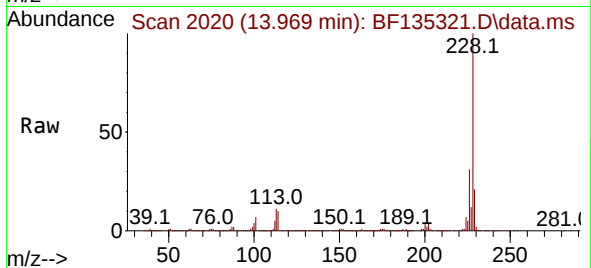
229 20.8 16.0 24.0

Manual Integrations

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Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.585 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

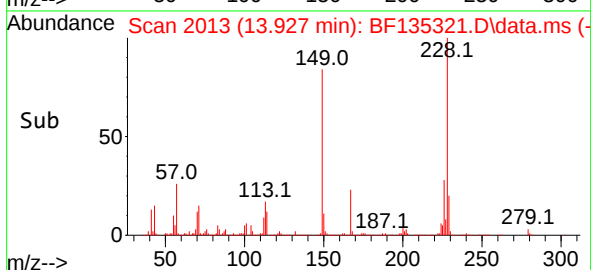
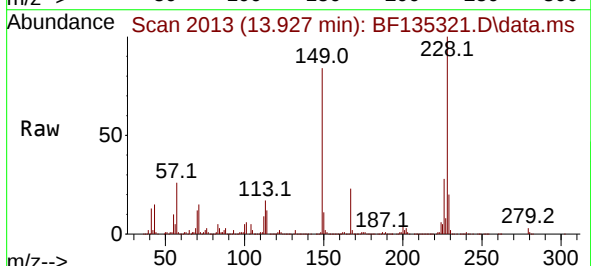
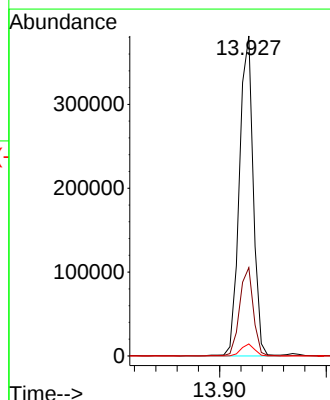
Tgt Ion:149 Resp: 345662

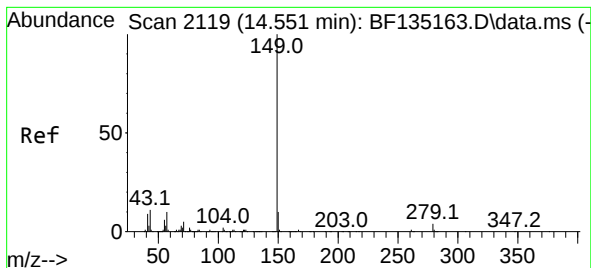
Ion Ratio Lower Upper

149 100

167 27.6 21.9 32.9

279 3.7 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 66.075 ng

RT: 14.545 min Scan# 2118

Delta R.T. -0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

Tgt Ion:149 Resp: 703620

Ion Ratio Lower Upper

149 100

167 1.9 1.1 1.7

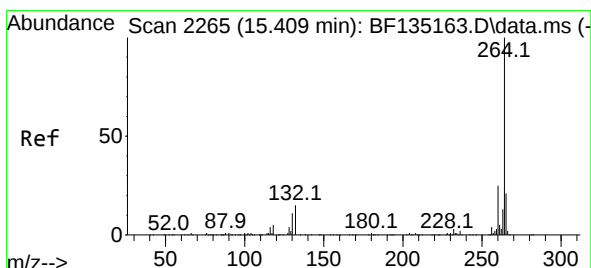
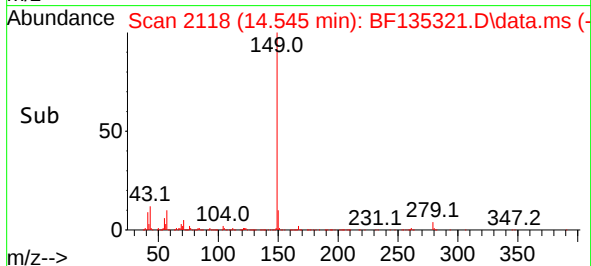
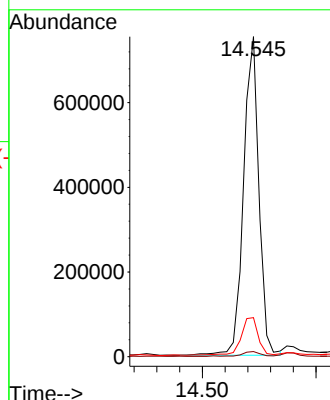
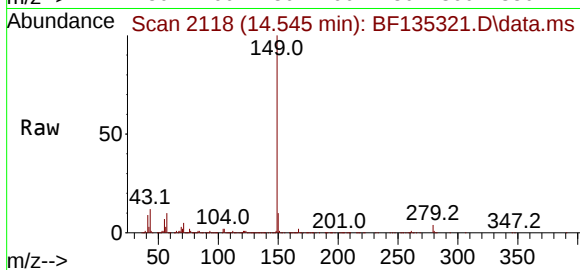
43 13.9 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.000 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

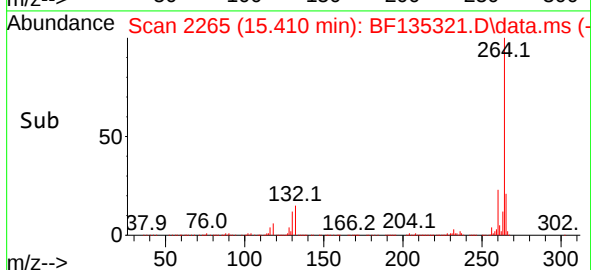
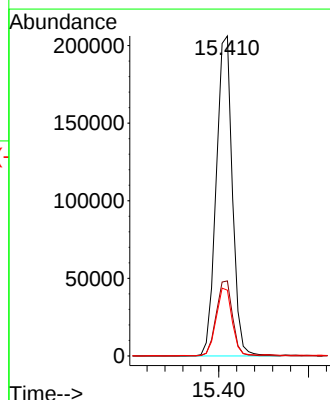
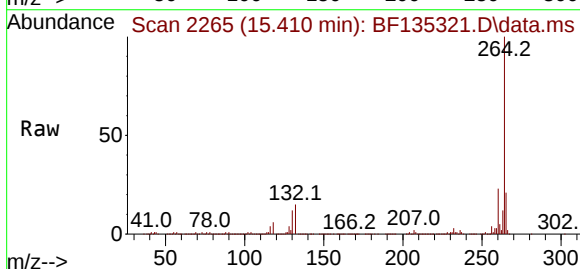
Tgt Ion:264 Resp: 257310

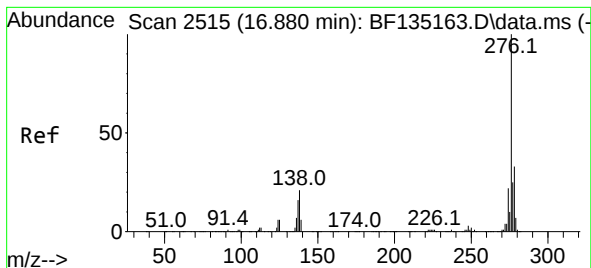
Ion Ratio Lower Upper

264 100

260 23.5 19.8 29.6

265 20.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 33.766 ng

RT: 16.886 min Scan# 2193

Delta R.T. 0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

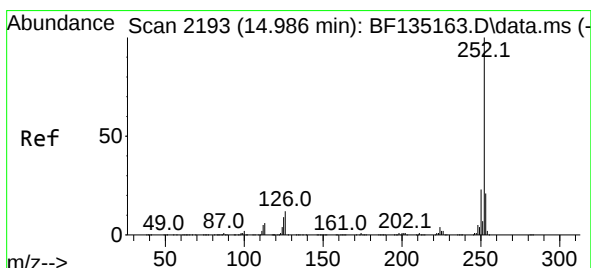
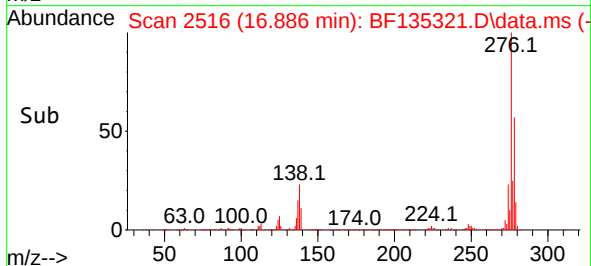
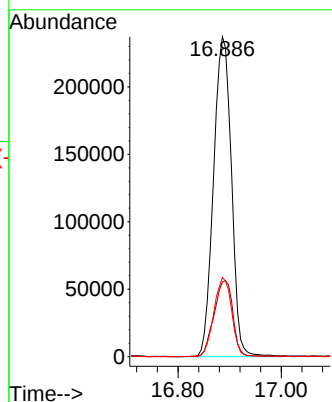
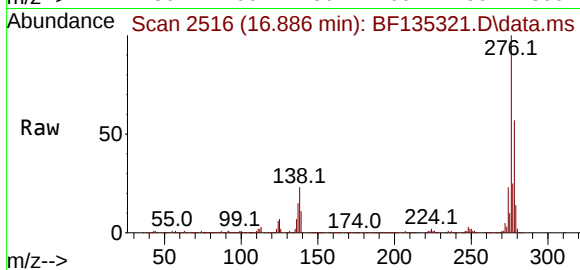
Tgt Ion:	276	Resp:	569670
Ion Ratio	Lower	Upper	
276	100		
138	25.1	19.2	28.8
277	24.7	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#88

Benzo(b)fluoranthene

Concen: 52.219 ng

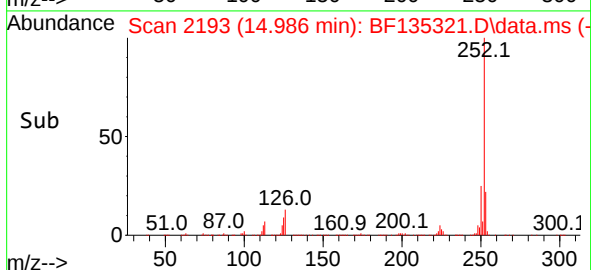
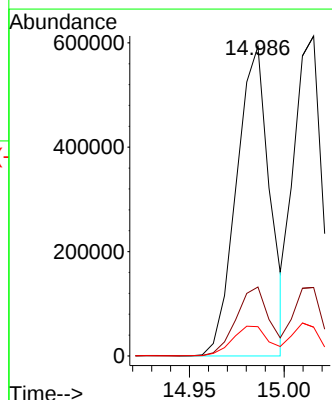
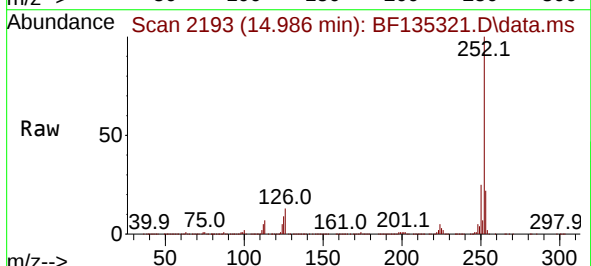
RT: 14.986 min Scan# 2193

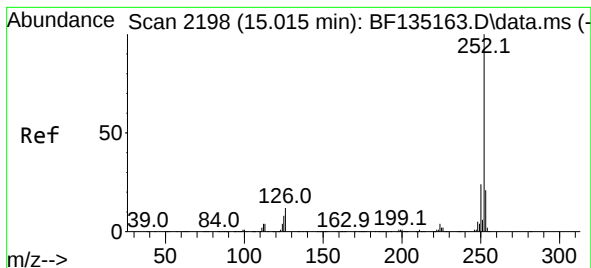
Delta R.T. 0.000 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Tgt Ion:	252	Resp:	727366
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.2	25.8
125	9.5	7.1	10.7





#89

Benzo(k)fluoranthene

Concen: 45.903 ng

RT: 15.016 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

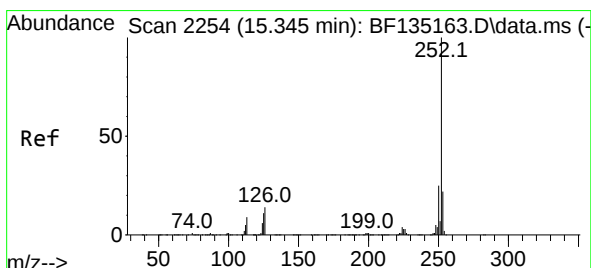
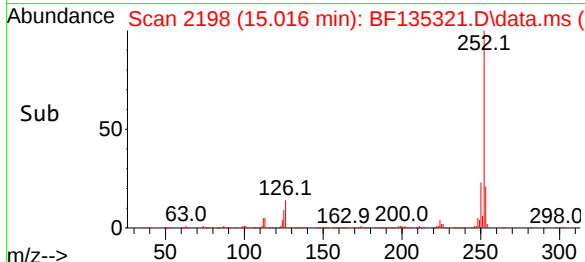
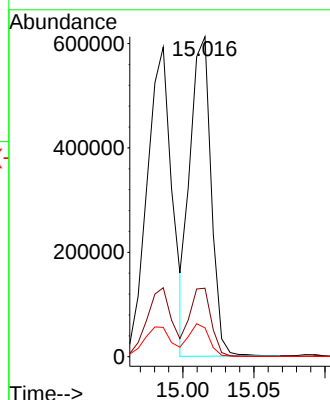
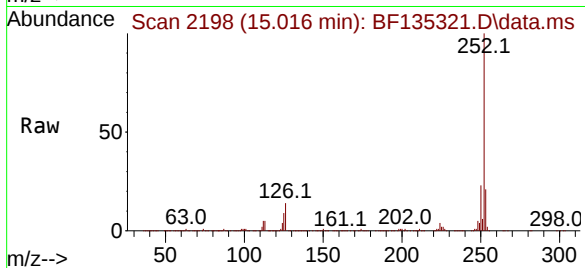
Tgt Ion:252 Resp: 631597
 Ion Ratio Lower Upper
 252 100
 253 21.4 17.4 26.0
 125 9.0 7.2 10.8

Manual Integrations

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Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#90

Benzo(a)pyrene

Concen: 47.694 ng

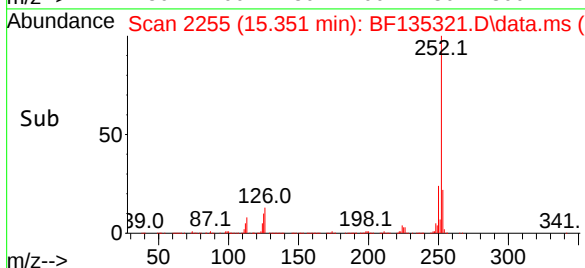
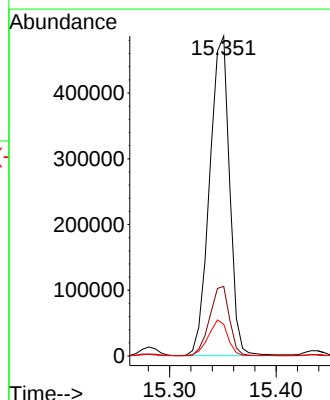
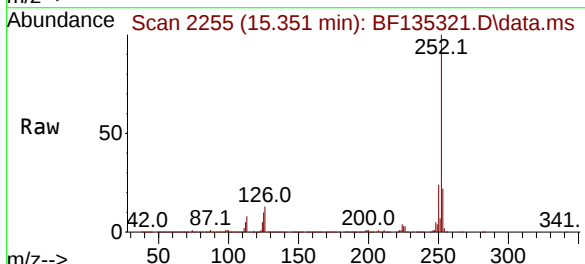
RT: 15.351 min Scan# 2255

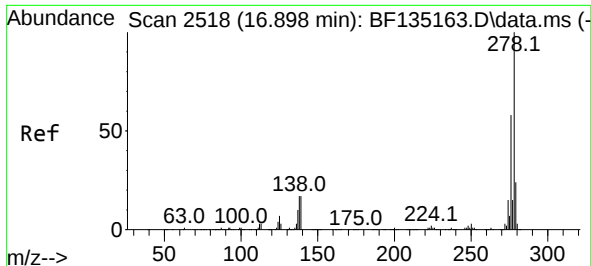
Delta R.T. 0.006 min

Lab File: BF135321.D

Acq: 18 Sep 2023 22:54

Tgt Ion:252 Resp: 633536
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.5 26.3
 125 9.9 9.2 13.8





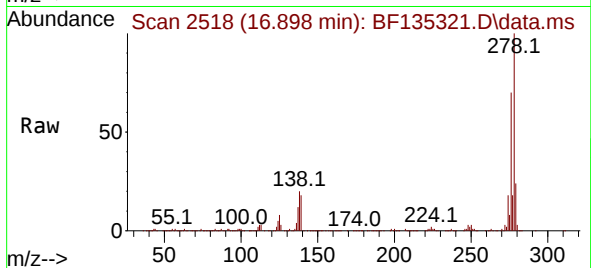
#91
Dibenzo(a,h)anthracene
Concen: 33.875 ng
RT: 16.898 min Scan# 2518
Delta R.T. 0.000 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Instrument :

BNA_F

ClientSampleId :

72-11976MSD

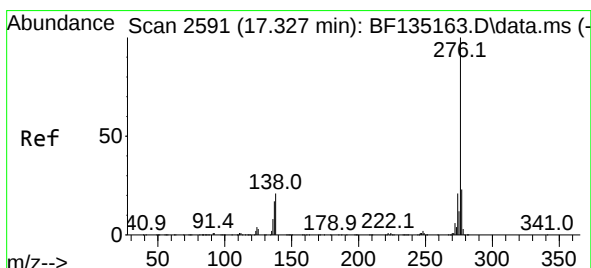
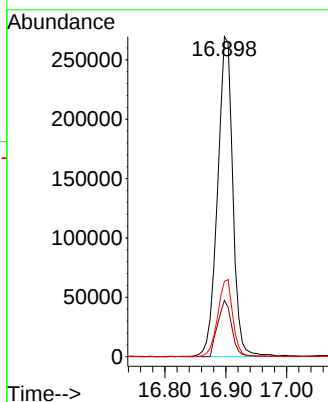
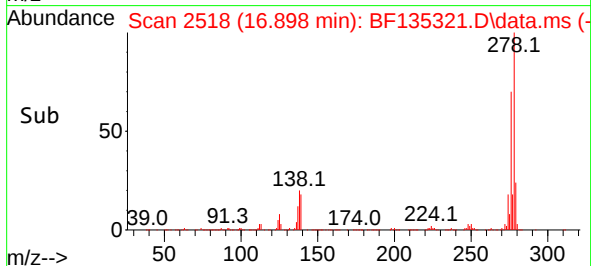


Tgt Ion:278 Resp: 46761
Ion Ratio Lower Upper
278 100
139 17.6 13.4 20.0
279 23.5 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#92
Benzo(g,h,i)perylene
Concen: 28.868 ng
RT: 17.327 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF135321.D
Acq: 18 Sep 2023 22:54

Tgt Ion:276 Resp: 416177
Ion Ratio Lower Upper
276 100
277 23.9 18.8 28.2
138 23.0 16.9 25.3

