

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135315.D
 Acq On : 18 Sep 2023 19:45
 Operator : CG\JU
 Sample : 04399-02MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930MS

Manual Integrations
 APPROVED

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

Quant Time: Sep 19 00:15:13 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	117697	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	443295	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	216515	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	365164	20.000	ng	0.00
76) Chrysene-d12	13.945	240	179963	20.000	ng	0.00
86) Perylene-d12	15.404	264	242619	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	830766	114.803	ng	0.02
7) Phenol-d6	6.410	99	966081	104.991	ng	0.00
23) Nitrobenzene-d5	7.328	82	724871	88.839	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	250786	116.556	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	1259880	87.791	ng	-0.01
79) Terphenyl-d14	12.880	244	906329	78.071	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.663	88	120500	37.985	ng	# 83
3) Pyridine	3.387	79	268498	31.448	ng	96
4) n-Nitrosodimethylamine	3.316	42	211830	46.754	ng	90
6) Aniline	6.428	93	228057	18.900	ng	# 60
8) 2-Chlorophenol	6.551	128	353926	45.816	ng	94
9) Benzaldehyde	6.316	77	52415	9.999	ng	98
10) Phenol	6.422	94	367960	36.468	ng	97
11) bis(2-Chloroethyl)ether	6.504	93	339096	44.803	ng	100
12) 1,3-Dichlorobenzene	6.698	146	331545	42.231	ng	99
13) 1,4-Dichlorobenzene	6.775	146	338444	42.372	ng	99
14) 1,2-Dichlorobenzene	6.928	146	326355	43.998	ng	99
15) Benzyl Alcohol	6.910	79	310674	47.051	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.039	45	657356	46.078	ng	96
17) 2-Methylphenol	7.022	107	272504	39.974	ng	96
18) Hexachloroethane	7.263	117	131236	44.468	ng	93
19) n-Nitroso-di-n-propyla...	7.175	70	239232	41.975	ng	92
20) 3+4-Methylphenols	7.175	107	316745	38.641	ng	92
22) Acetophenone	7.169	105	466160	45.996	ng	# 98
24) Nitrobenzene	7.345	77	376627	46.701	ng	99
25) Isophorone	7.581	82	694201	46.333	ng	97
26) 2-Nitrophenol	7.657	139	186569	48.201	ng	98
27) 2,4-Dimethylphenol	7.698	122	279627	42.979	ng	99
28) bis(2-Chloroethoxy)met...	7.792	93	424438	47.330	ng	100
29) 2,4-Dichlorophenol	7.904	162	285734	47.396	ng	97
30) 1,2,4-Trichlorobenzene	7.981	180	292860	46.476	ng	99
31) Naphthalene	8.057	128	994493	46.173	ng	99
32) Benzoic acid	7.839	122	220198	44.946	ng	99
33) 4-Chloroaniline	8.110	127	144091	15.248	ng	98
34) Hexachlorobutadiene	8.175	225	170783	44.948	ng	100
35) Caprolactam	8.486	113	80425m	39.749	ng	
36) 4-Chloro-3-methylphenol	8.610	107	312064	46.574	ng	94
37) 2-Methylnaphthalene	8.751	142	627149	43.317	ng	99
38) 1-Methylnaphthalene	8.851	142	600689	44.315	ng	98
40) 1,2,4,5-Tetrachloroben...	8.916	216	299068	47.678	ng	99
41) Hexachlorocyclopentadiene	8.898	237	186593	68.664	ng	97
43) 2,4,6-Trichlorophenol	9.033	196	204020	49.677	ng	97

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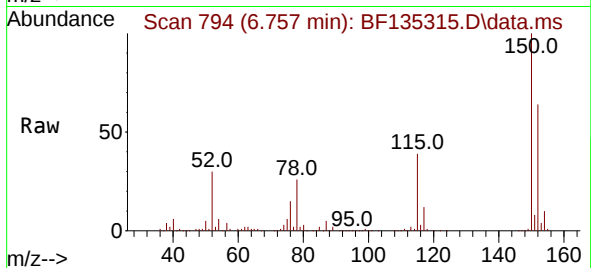
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.081	196	216799	45.839	ng	98
46) 1,1'-Biphenyl	9.216	154	805414	48.406	ng	99
47) 2-Chloronaphthalene	9.245	162	591082	48.961	ng	99
48) 2-Nitroaniline	9.345	65	231171	49.289	ng	95
49) Acenaphthylene	9.657	152	976035	48.647	ng	99
50) Dimethylphthalate	9.528	163	705954	48.225	ng	100
51) 2,6-Dinitrotoluene	9.592	165	156330	48.749	ng	85
52) Acenaphthene	9.828	154	560306	47.273	ng	99
53) 3-Nitroaniline	9.757	138	107710	28.614	ng	96
54) 2,4-Dinitrophenol	9.875	184	143653	78.994	ng	99
55) Dibenzofuran	10.004	168	815883	45.110	ng	96
56) 4-Nitrophenol	9.933	139	187645	78.434	ng	95
57) 2,4-Dinitrotoluene	9.998	165	183678	45.752	ng	90
58) Fluorene	10.345	166	640574	46.070	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.128	232	172312	47.362	ng	99
60) Diethylphthalate	10.228	149	703560	47.890	ng	99
61) 4-Chlorophenyl-phenyle...	10.339	204	301052	45.073	ng	98
62) 4-Nitroaniline	10.380	138	149885	41.423	ng	99
63) Azobenzene	10.504	77	676500	47.051	ng	98
65) 4,6-Dinitro-2-methylph...	10.410	198	91207	47.026	ng	91
66) n-Nitrosodiphenylamine	10.463	169	581121	52.565	ng	100
67) 4-Bromophenyl-phenylether	10.833	248	188886	52.009	ng	98
68) Hexachlorobenzene	10.898	284	192520	52.032	ng	95
69) Atrazine	10.998	200	167818	56.416	ng	99
70) Pentachlorophenol	11.098	266	188231	85.030	ng	98
71) Phenanthrene	11.316	178	843031	48.813	ng	99
72) Anthracene	11.363	178	859283	48.404	ng	100
73) Carbazole	11.527	167	753458	46.624	ng	99
74) Di-n-butylphthalate	11.857	149	981391	51.537	ng	99
75) Fluoranthene	12.504	202	744259	41.357	ng	99
77) Benzidine	12.633	184	83074	22.532	ng	99
78) Pyrene	12.733	202	720939	42.077	ng	100
80) Butylbenzylphthalate	13.363	149	292872	48.549	ng	99
81) Benzo(a)anthracene	13.933	228	553839	47.660	ng	99
82) 3,3'-Dichlorobenzidine	13.898	252	173281	47.739	ng	99
83) Chrysene	13.968	228	553875	47.939	ng	100
84) Bis(2-ethylhexyl)phtha...	13.927	149	341892	55.229	ng	99
85) Di-n-octyl phthalate	14.545	149	624708	63.501	ng	100
87) Indeno(1,2,3-cd)pyrene	16.886	276	593580	37.314	ng	99
88) Benzo(b)fluoranthene	14.986	252	648470	49.374	ng	100
89) Benzo(k)fluoranthene	15.015	252	578696	44.605	ng	100
90) Benzo(a)pyrene	15.351	252	575816	45.974	ng	99
91) Dibenzo(a,h)anthracene	16.904	278	495979	38.105	ng	98
92) Benzo(g,h,i)perylene	17.333	276	443351	32.615	ng	100

(#) = 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: BF135315.D
Acq: 18 Sep 2023 19:45

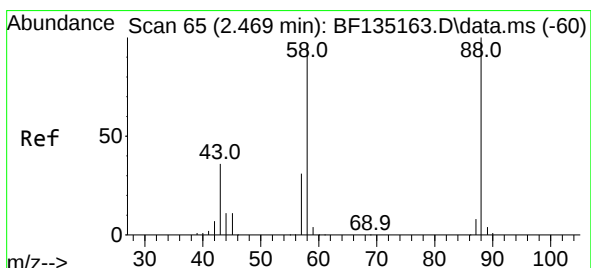
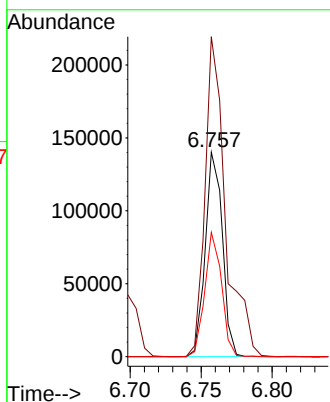
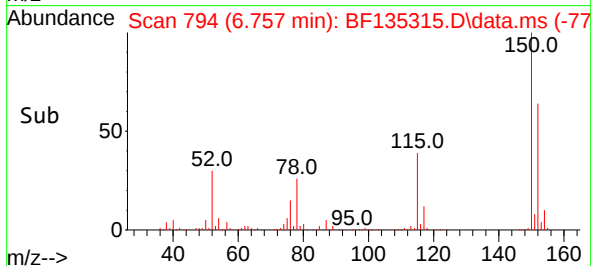
Instrument :
BNA_F
ClientSampleId :
72-11930MS



Tgt Ion:152 Resp: 11769
Ion Ratio Lower Upper
152 100
150 156.5 127.8 191.6
115 60.8 49.8 74.8

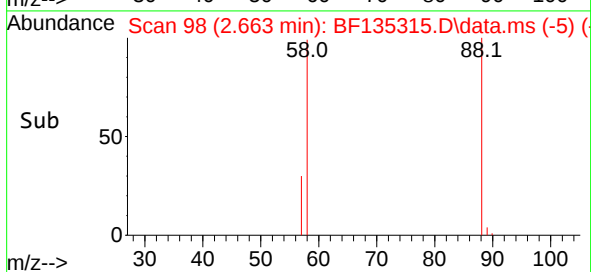
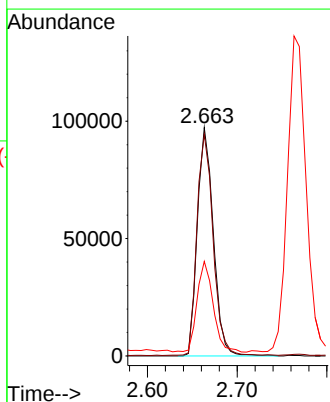
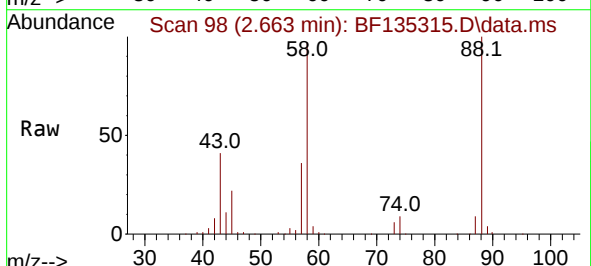
Manual Integrations
APPROVED

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



#2
1,4-Dioxane
Concen: 37.985 ng
RT: 2.663 min Scan# 98
Delta R.T. 0.194 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

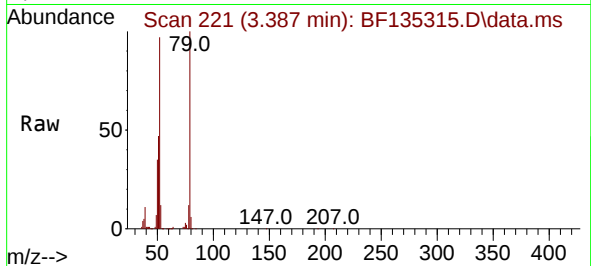
Tgt Ion: 88 Resp: 120500
Ion Ratio Lower Upper
88 100
58 98.2 78.3 117.5
43 0.0 29.4 44.0





#3
Pyridine
Concen: 31.448 ng
RT: 3.387 min Scan# 210
Delta R.T. 0.171 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

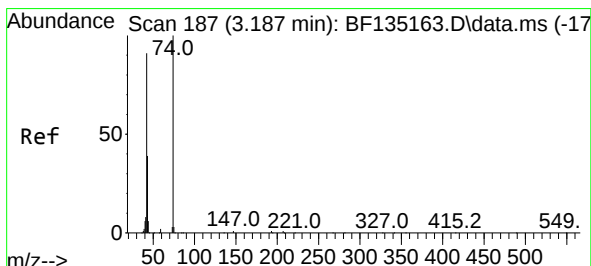
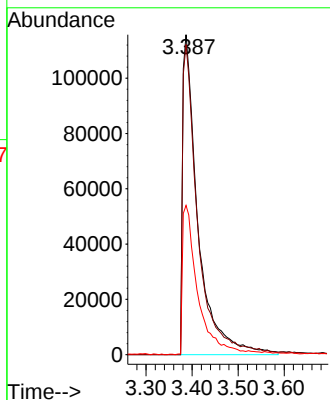
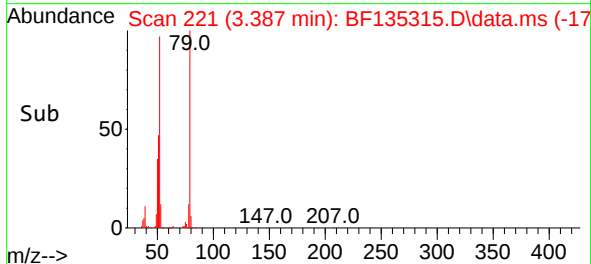
Instrument :
BNA_F
ClientSampleId :
72-11930MS



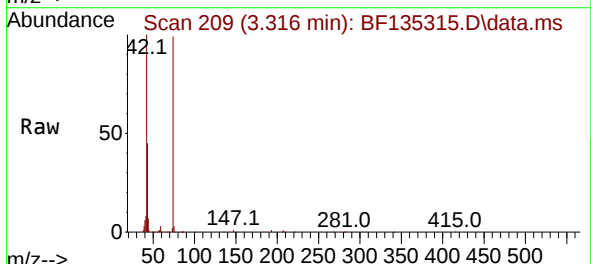
Tgt Ion: 79 Resp: 268498
Ion Ratio Lower Upper
79 100
52 97.0 74.1 111.1
51 46.6 35.8 53.8

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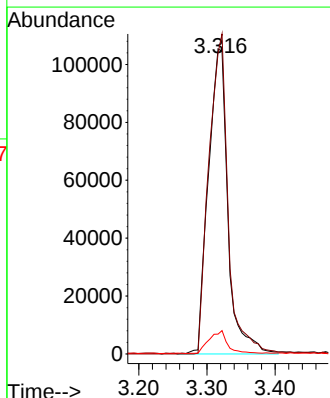
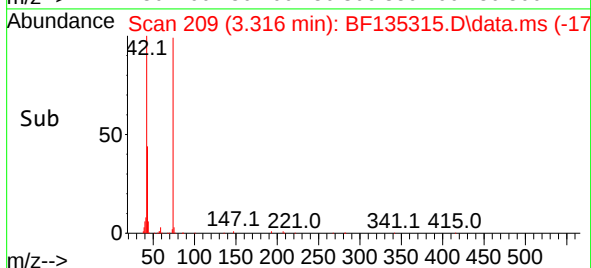
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#4
n-Nitrosodimethylamine
Concen: 46.754 ng
RT: 3.316 min Scan# 209
Delta R.T. 0.130 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45



Tgt Ion: 42 Resp: 211830
Ion Ratio Lower Upper
42 100
74 98.6 87.7 131.5
44 6.5 5.6 8.4





#5
2-Fluorophenol
Concen: 114.803 ng
RT: 5.410 min Scan# 50
Delta R.T. 0.024 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

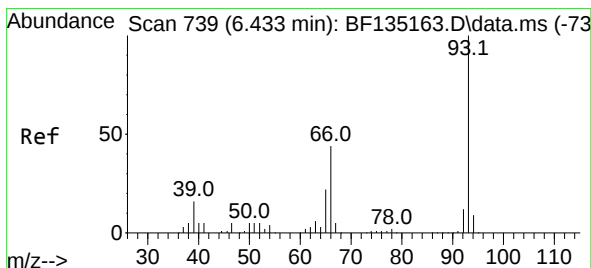
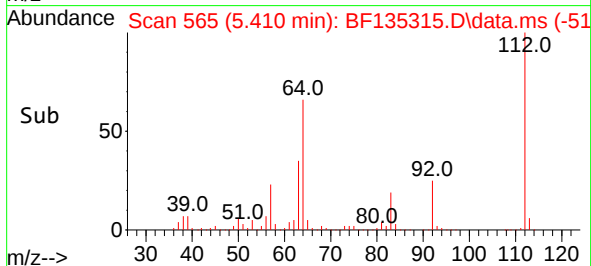
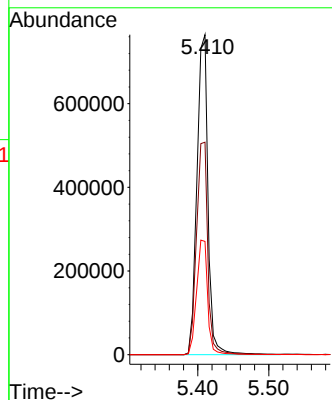
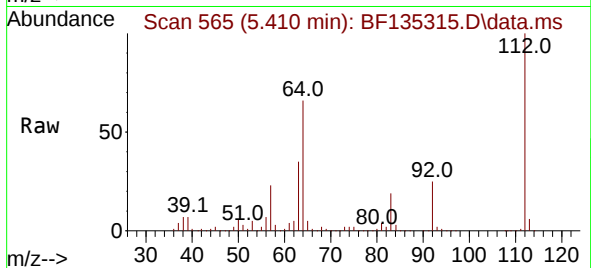
72-11930MS

Tgt Ion:112 Resp: 830760
Ion Ratio Lower Upper
112 100
64 66.4 55.9 83.9
63 35.4 29.0 43.6

Manual Integrations

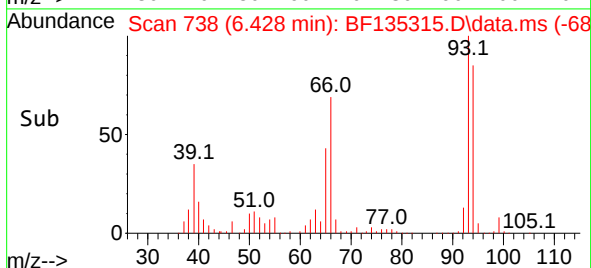
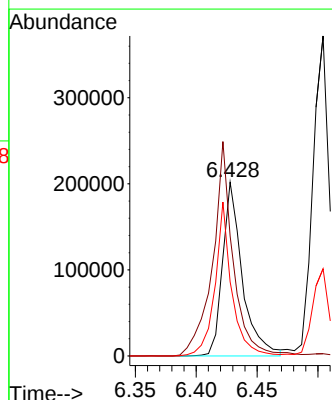
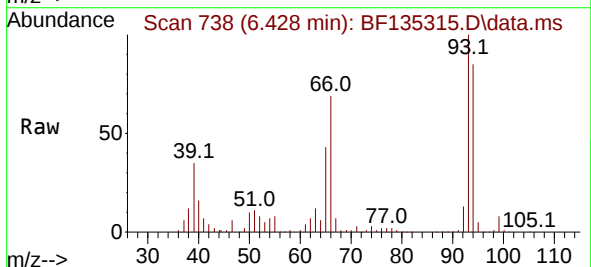
APPROVED

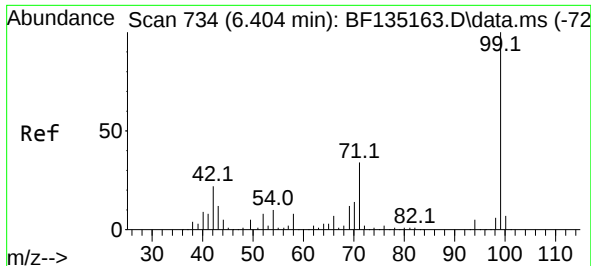
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#6
Aniline
Concen: 18.900 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

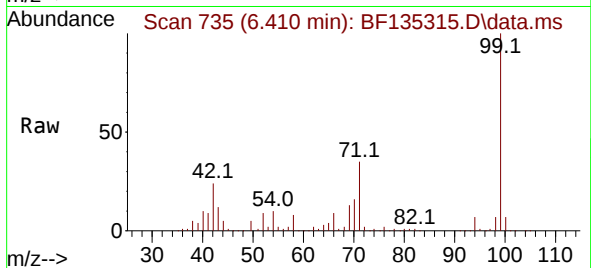
Tgt Ion: 93 Resp: 228057
Ion Ratio Lower Upper
93 100
66 69.1 35.4 53.0#
65 42.8 17.8 26.8#





#7
Phenol-d6
Concen: 104.991 ng
RT: 6.410 min Scan# 710
Delta R.T. 0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

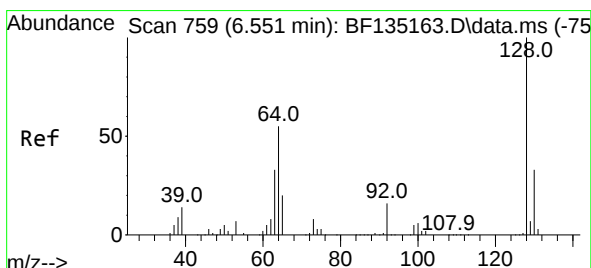
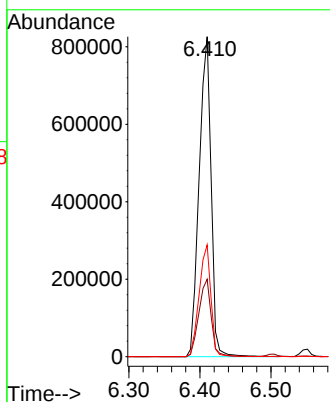
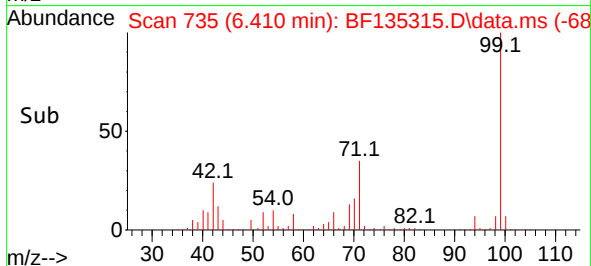
Instrument :
BNA_F
ClientSampleId :
72-11930MS



Tgt Ion: 99 Resp: 96608
Ion Ratio Lower Upper
99 100
42 24.2 17.9 26.9
71 34.9 27.0 40.6

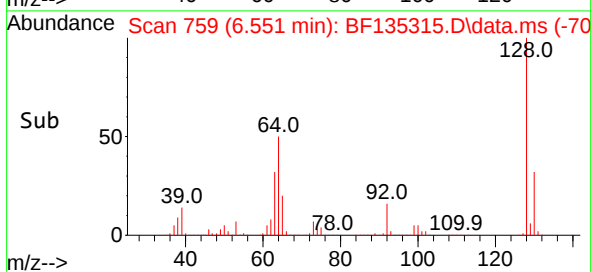
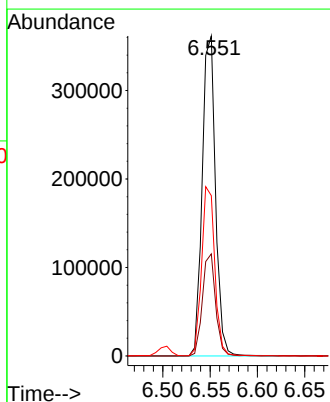
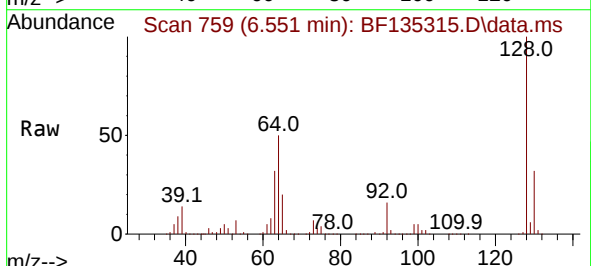
Manual Integrations
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#8
2-Chlorophenol
Concen: 45.816 ng
RT: 6.551 min Scan# 759
Delta R.T. 0.000 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

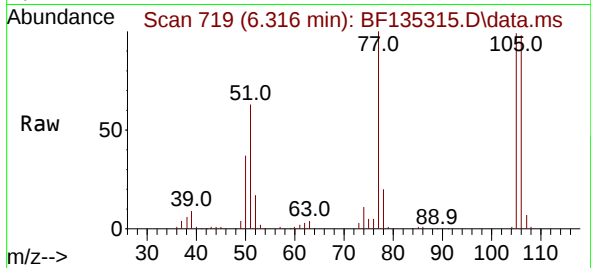
Tgt Ion:128 Resp: 353926
Ion Ratio Lower Upper
128 100
130 31.9 12.7 52.7
64 50.1 35.9 75.9





#9
Benzaldehyde
Concen: 9.999 ng
RT: 6.316 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

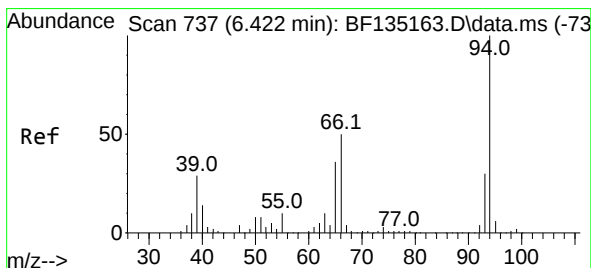
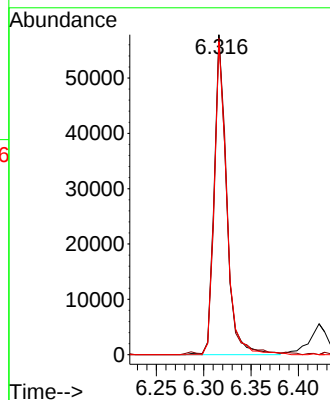
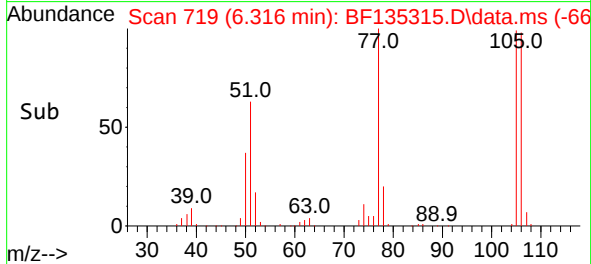
Instrument :
BNA_F
ClientSampleId :
72-11930MS



Tgt Ion: 77 Resp: 52415
Ion Ratio Lower Upper
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105 98.9 81.4 121.4
106 97.8 76.9 116.9

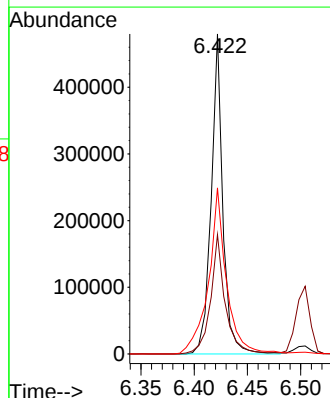
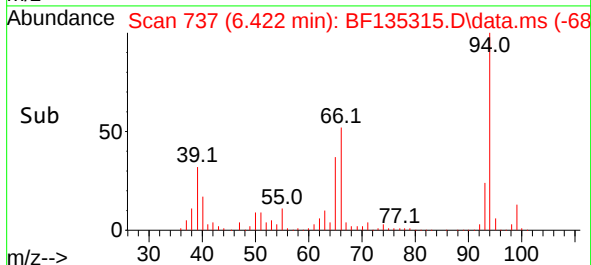
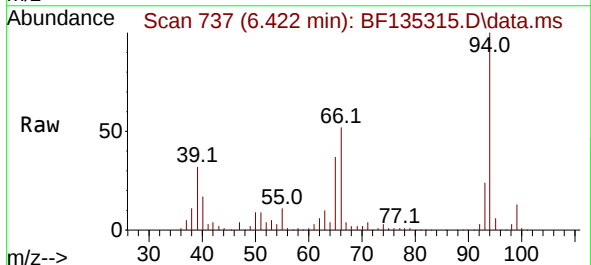
Manual Integrations
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Supervised By :mohammad ahmed 09/19/2023



#10
Phenol
Concen: 36.468 ng
RT: 6.422 min Scan# 737
Delta R.T. 0.000 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Tgt Ion: 94 Resp: 367960
Ion Ratio Lower Upper
94 100
65 37.3 15.9 55.9
66 51.9 29.8 69.8





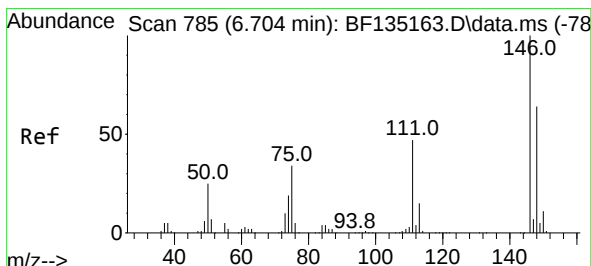
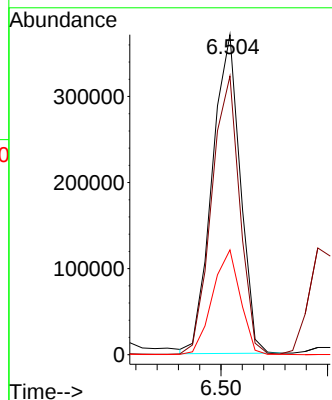
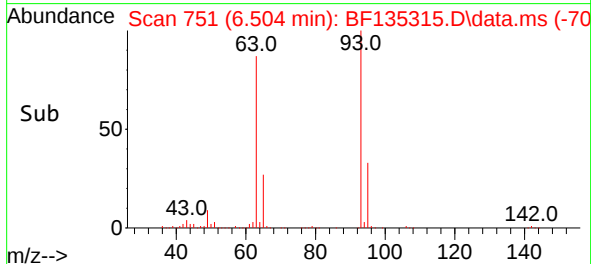
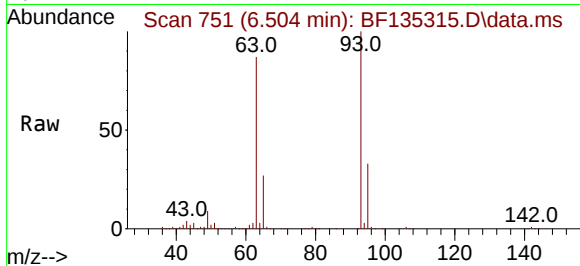
#11
bis(2-Chloroethyl)ether
Concen: 44.803 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :
BNA_F
ClientSampleId :
72-11930MS

Tgt Ion: 93 Resp: 339090
Ion Ratio Lower Upper
93 100
63 87.1 67.3 107.3
95 32.7 12.7 52.7

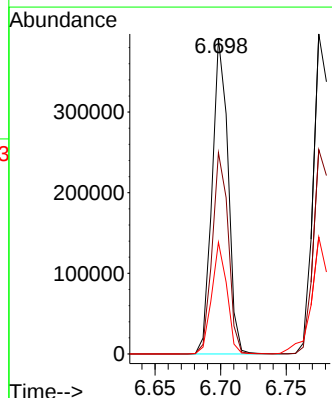
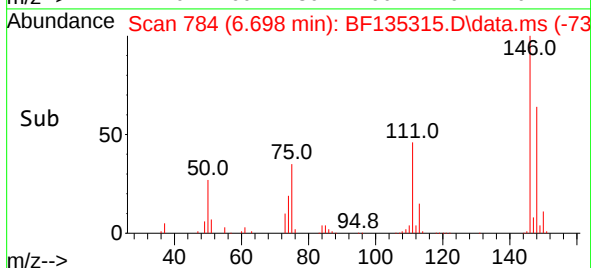
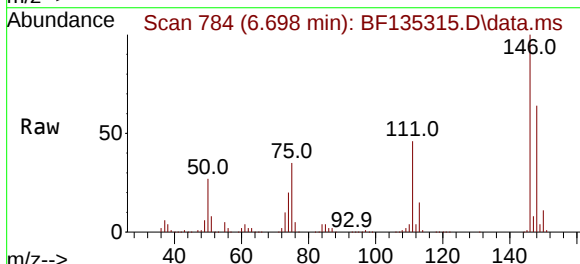
Manual Integrations
APPROVED

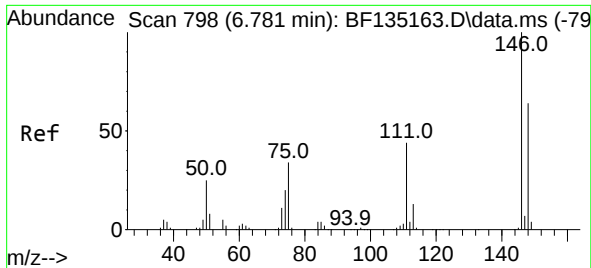
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#12
1,3-Dichlorobenzene
Concen: 42.231 ng
RT: 6.698 min Scan# 784
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Tgt Ion:146 Resp: 331545
Ion Ratio Lower Upper
146 100
148 63.7 51.3 76.9
75 35.4 27.4 41.2





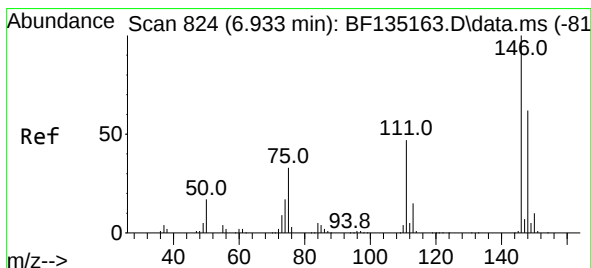
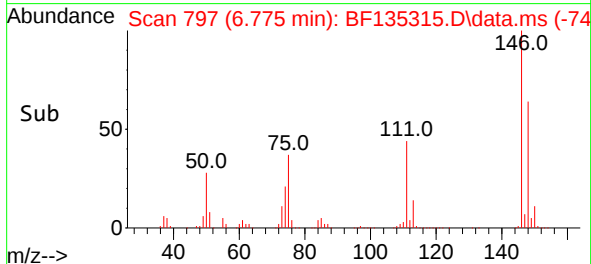
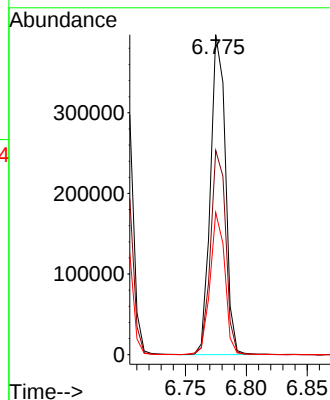
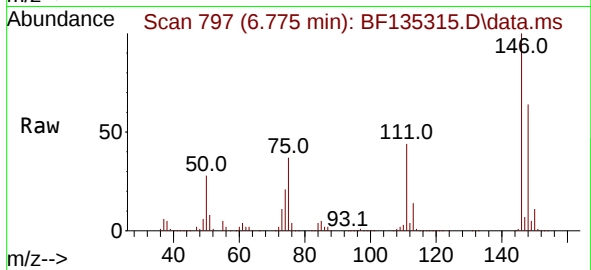
#13
1,4-Dichlorobenzene
Concen: 42.372 ng
RT: 6.775 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :
BNA_F
ClientSampleId :
72-11930MS

Tgt Ion:146 Resp: 338444
Ion Ratio Lower Upper
146 100
148 63.9 51.3 76.9
111 44.4 35.1 52.7

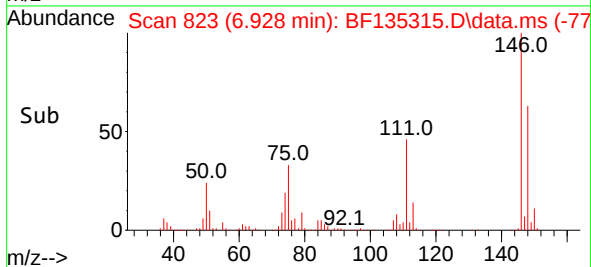
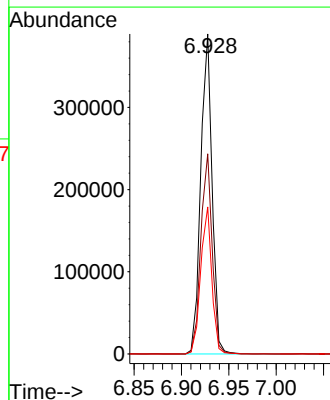
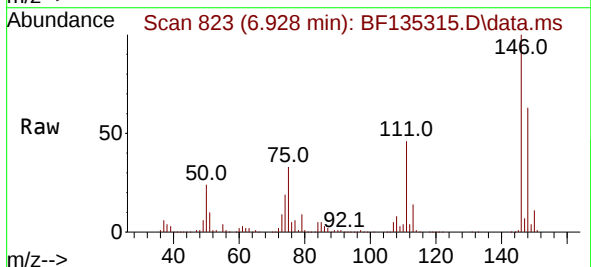
Manual Integrations
APPROVED

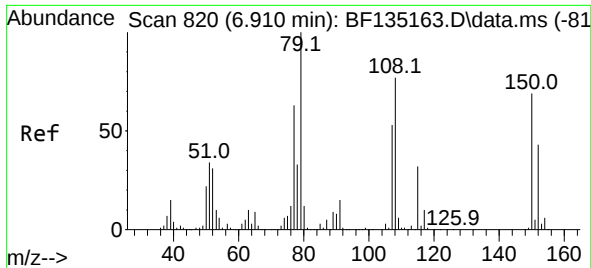
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#14
1,2-Dichlorobenzene
Concen: 43.998 ng
RT: 6.928 min Scan# 823
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

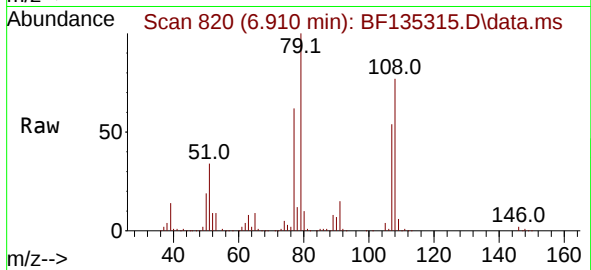
Tgt Ion:146 Resp: 326355
Ion Ratio Lower Upper
146 100
148 62.6 49.7 74.5
111 46.0 37.4 56.2





#15
Benzyl Alcohol
Concen: 47.051 ng
RT: 6.910 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

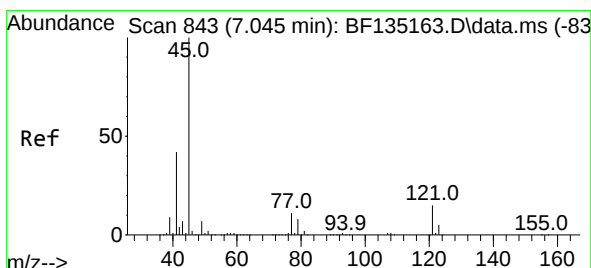
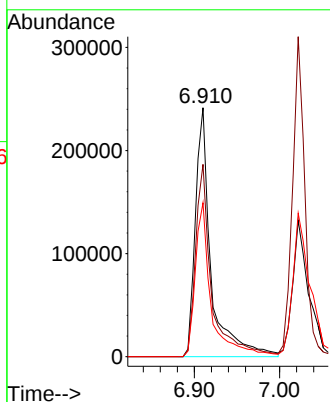
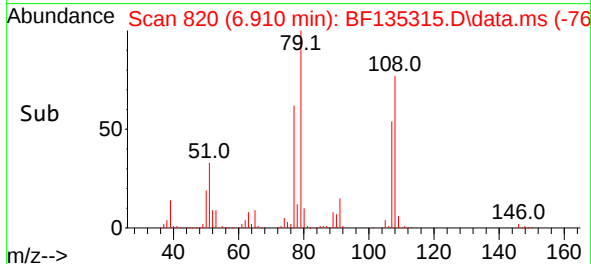
Instrument :
BNA_F
ClientSampleId :
72-11930MS



Tgt Ion: 79 Resp: 310674
Ion Ratio Lower Upper
79 100
108 77.3 61.2 91.8
77 61.8 50.5 75.7

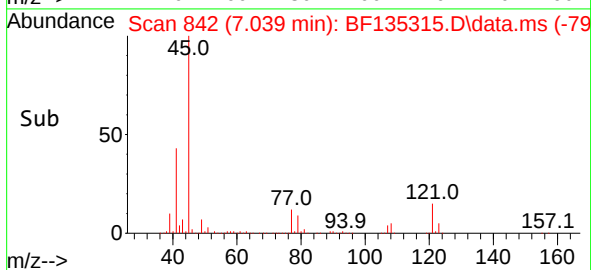
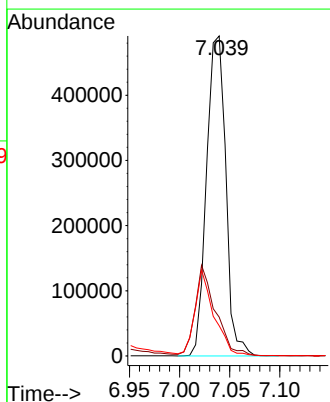
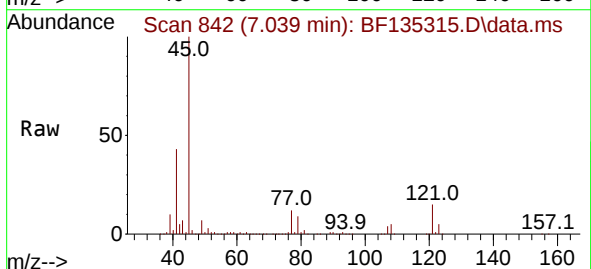
Manual Integrations
APPROVED

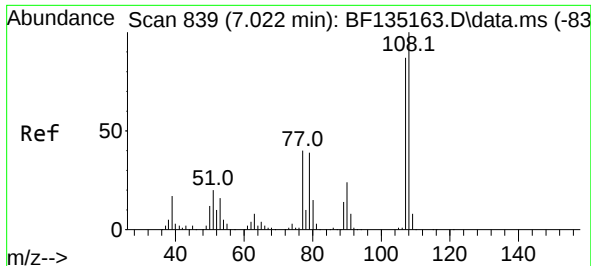
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.078 ng
RT: 7.039 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

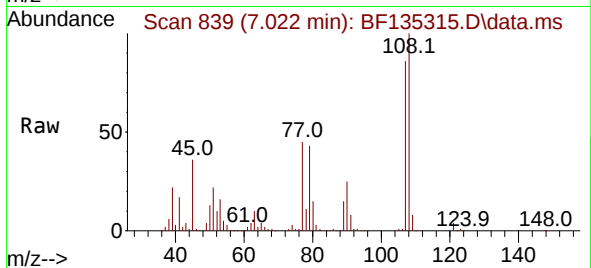
Tgt Ion: 45 Resp: 657356
Ion Ratio Lower Upper
45 100
77 12.1 0.0 30.6
79 9.5 0.0 28.3





#17
2-Methylphenol
Concen: 39.974 ng
RT: 7.022 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

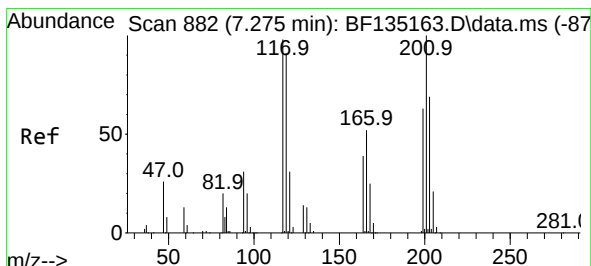
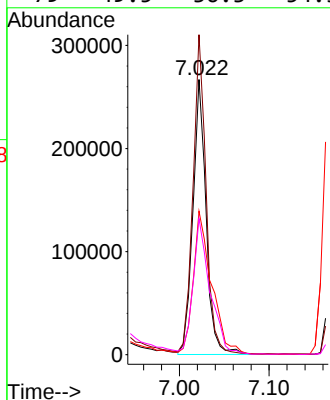
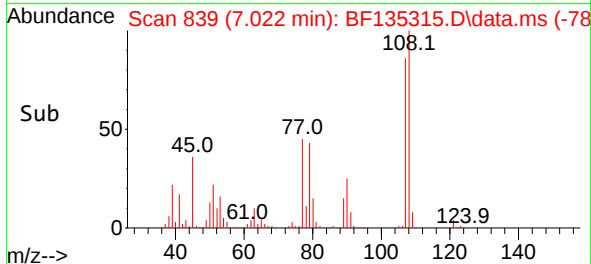
Instrument :
BNA_F
ClientSampleId :
72-11930MS



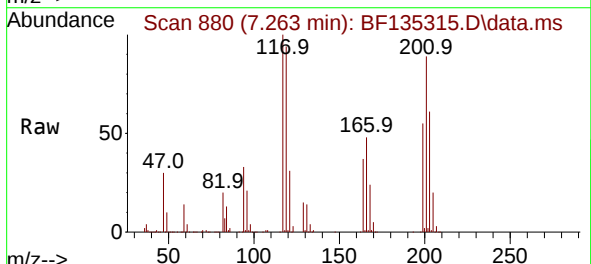
Tgt Ion:107 Resp: 272504
Ion Ratio Lower Upper
107 100
108 116.2 92.0 138.0
77 52.1 36.7 55.1
79 49.5 36.3 54.5

Manual Integrations
APPROVED

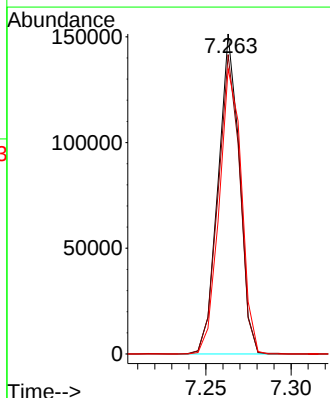
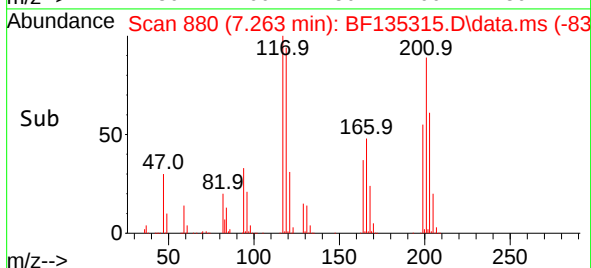
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#18
Hexachloroethane
Concen: 44.468 ng
RT: 7.263 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45



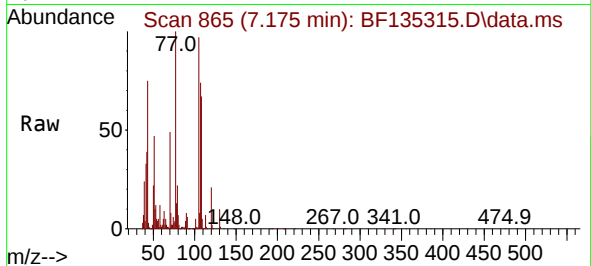
Tgt Ion:117 Resp: 131236
Ion Ratio Lower Upper
117 100
119 93.6 74.7 112.1
201 89.1 81.8 122.8





#19
n-Nitroso-di-n-propylamine
Concen: 41.975 ng
RT: 7.175 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

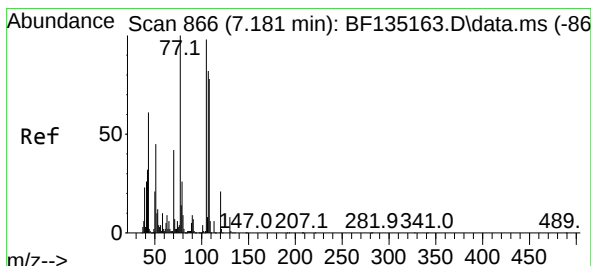
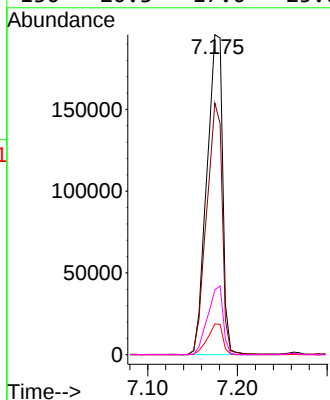
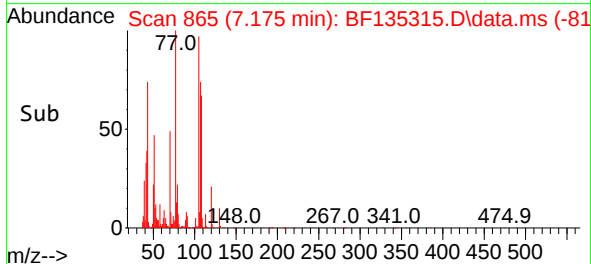
Instrument :
BNA_F
ClientSampleId :
72-11930MS



Tgt Ion: 70 Resp: 23923
Ion Ratio Lower Upper
70 100
42 78.6 55.4 83.0
101 9.6 7.7 11.5
130 20.3 17.0 25.6

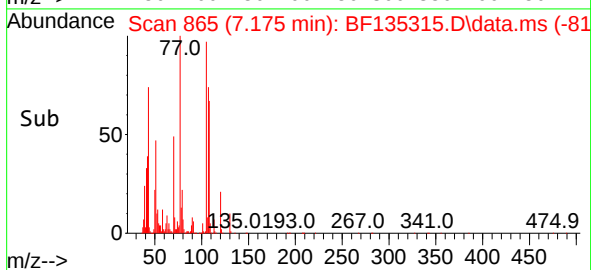
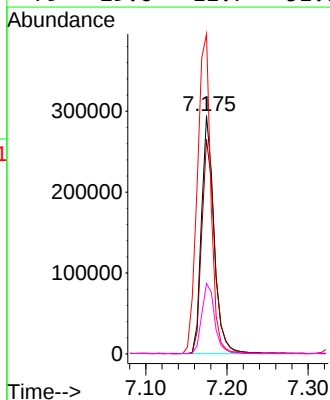
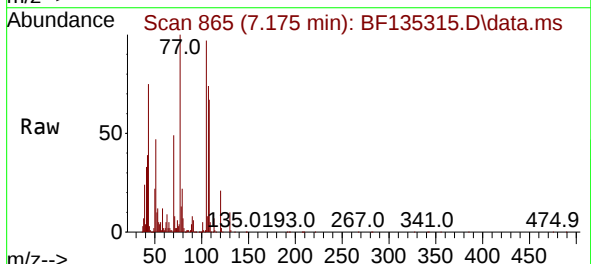
Manual Integrations
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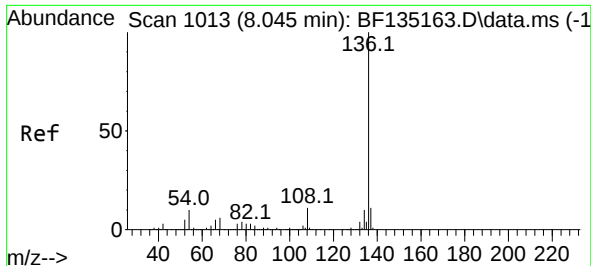
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#20
3+4-Methylphenols
Concen: 38.641 ng
RT: 7.175 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Tgt Ion:107 Resp: 316745
Ion Ratio Lower Upper
107 100
108 90.0 74.7 114.7
77 134.3 102.0 142.0
79 29.6 11.7 51.7





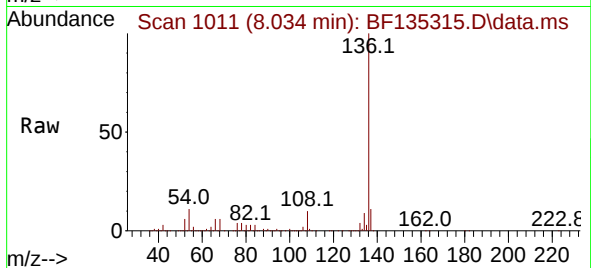
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS

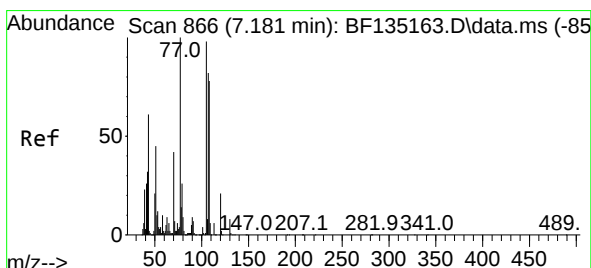
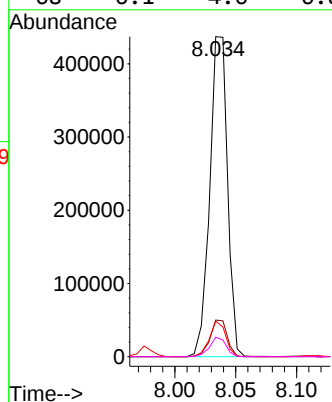
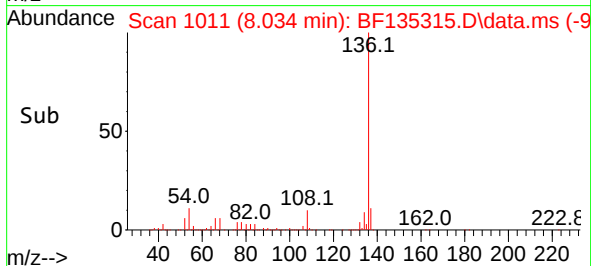


Tgt Ion:136 Resp: 443295
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 11.1 7.7 11.5
68 6.1 4.6 6.8

Manual Integrations

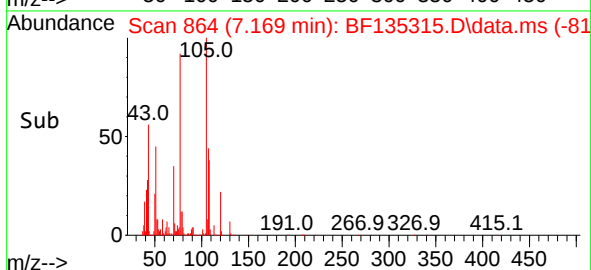
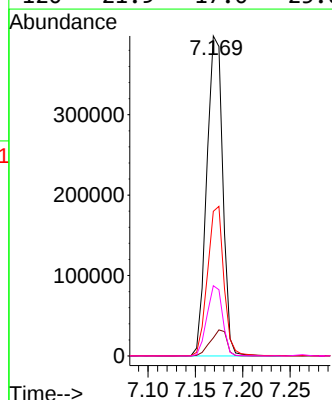
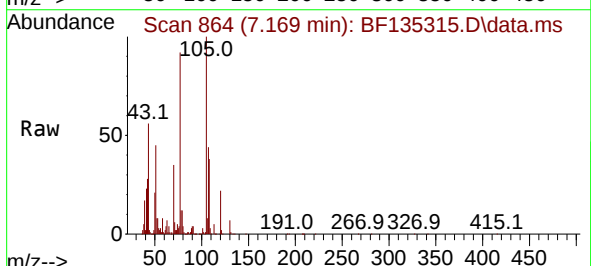
APPROVED

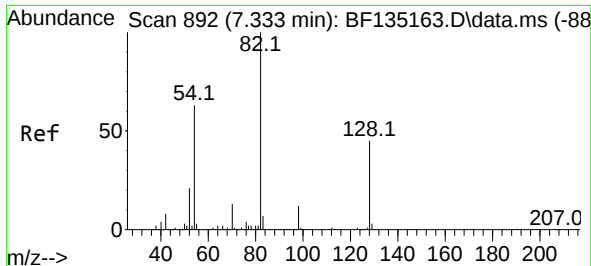
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#22
Acetophenone
Concen: 45.996 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.012 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Tgt Ion:105 Resp: 466160
Ion Ratio Lower Upper
105 100
71 5.7 5.8 8.6#
51 45.2 37.0 55.4
120 21.9 17.0 25.6





#23

Nitrobenzene-d5

Concen: 88.839 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS

Tgt Ion: 82 Resp: 72487

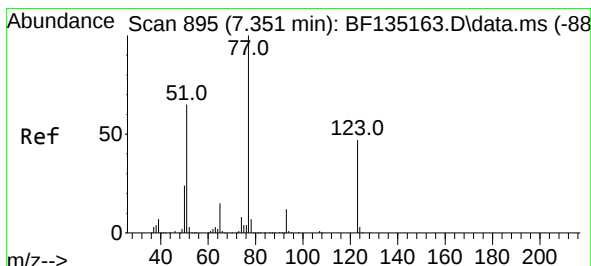
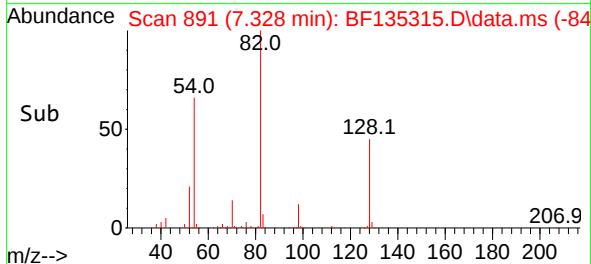
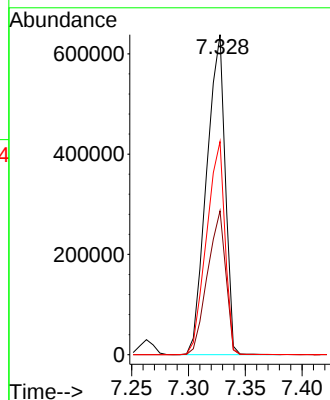
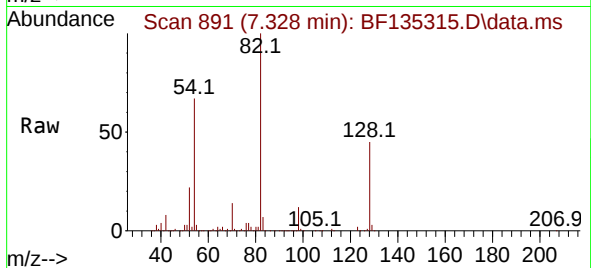
Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.8	53.6
54	66.6	50.6	76.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#24

Nitrobenzene

Concen: 46.701 ng

RT: 7.345 min Scan# 894

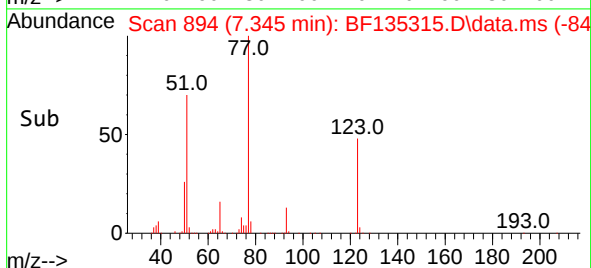
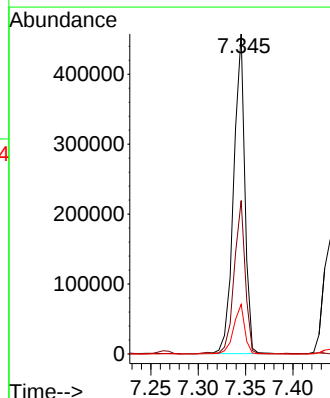
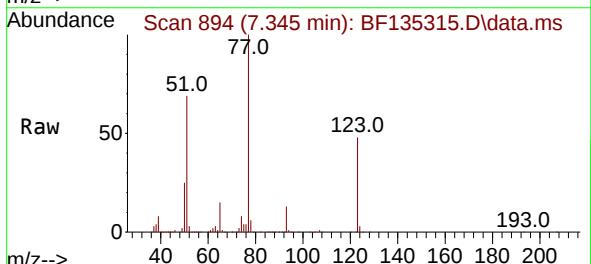
Delta R.T. -0.006 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Tgt Ion: 77 Resp: 376627

Ion	Ratio	Lower	Upper
77	100		
123	47.9	37.6	56.4
65	15.5	12.2	18.4





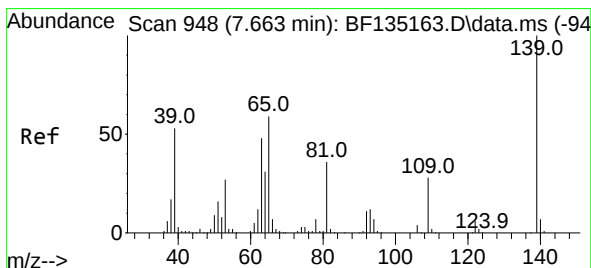
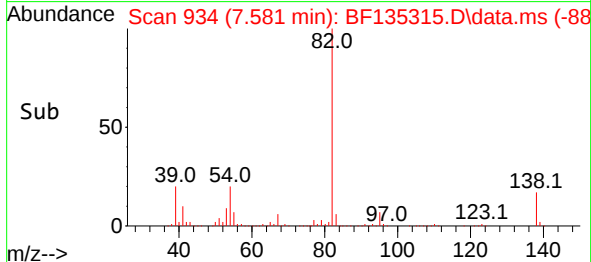
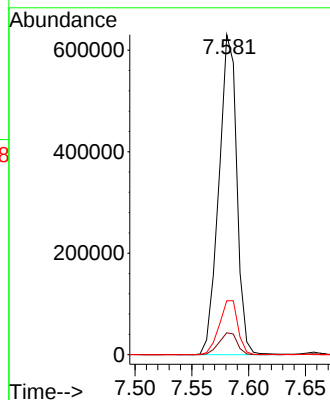
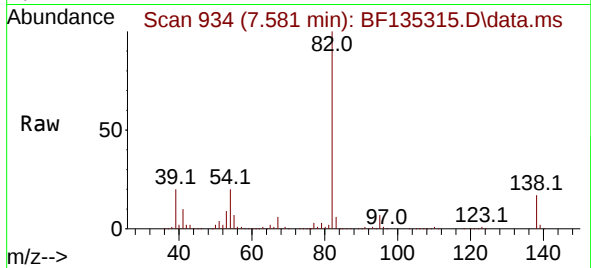
#25
Isophorone
Concen: 46.333 ng
RT: 7.581 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :
BNA_F
ClientSampleId :
72-11930MS

Tgt Ion: 82 Resp: 69420
Ion Ratio Lower Upper
82 100
95 6.8 6.0 9.0
138 16.8 14.5 21.7

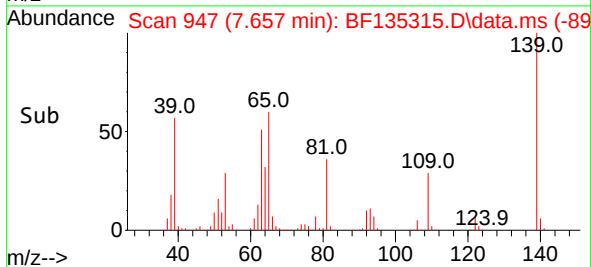
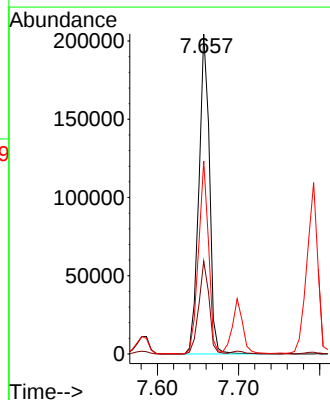
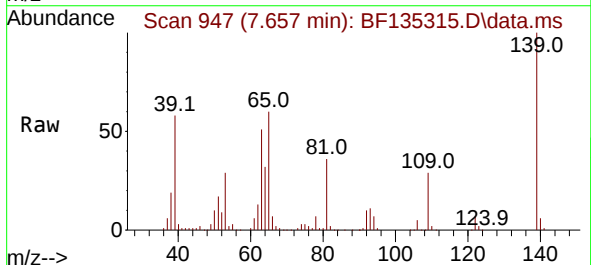
Manual Integrations
APPROVED

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



#26
2-Nitrophenol
Concen: 48.201 ng
RT: 7.657 min Scan# 947
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Tgt Ion:139 Resp: 186569
Ion Ratio Lower Upper
139 100
109 29.1 22.6 33.8
65 60.3 47.0 70.4





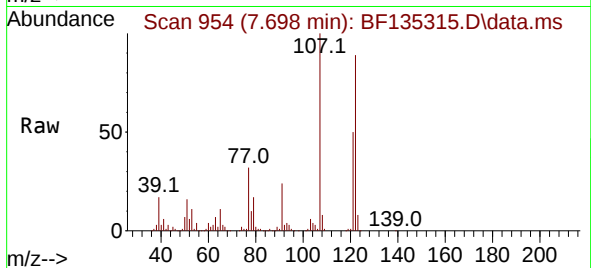
#27
2,4-Dimethylphenol
Concen: 42.979 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS

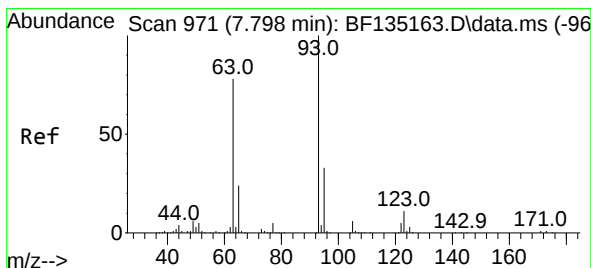
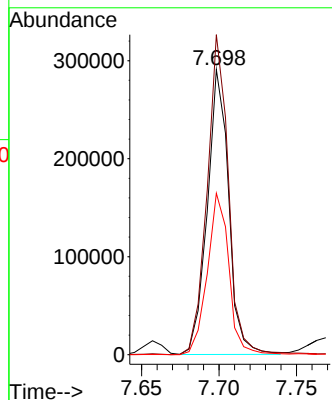
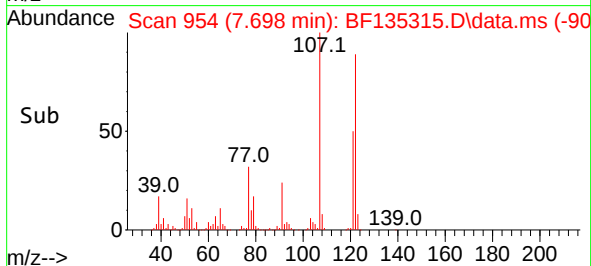


Tgt Ion:122 Resp: 27962
Ion Ratio Lower Upper
122 100
107 112.2 90.2 135.4
121 56.6 46.3 69.5

Manual Integrations

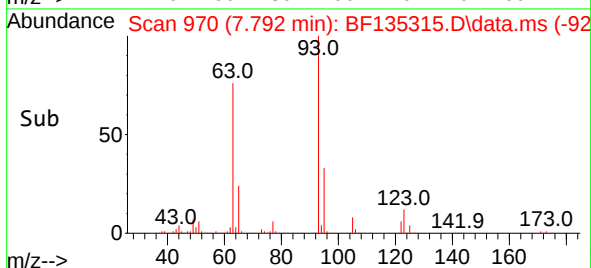
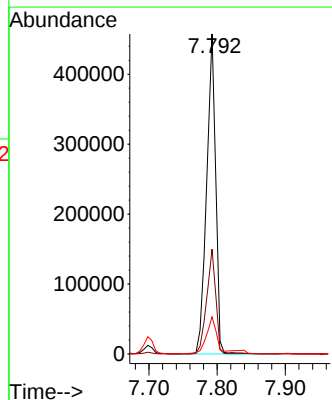
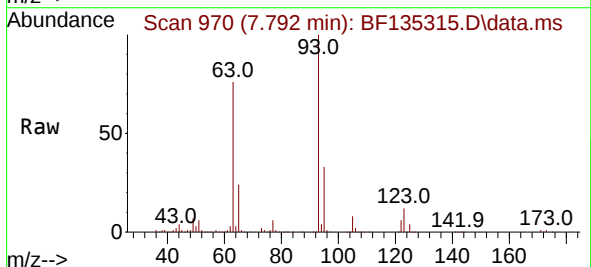
APPROVED

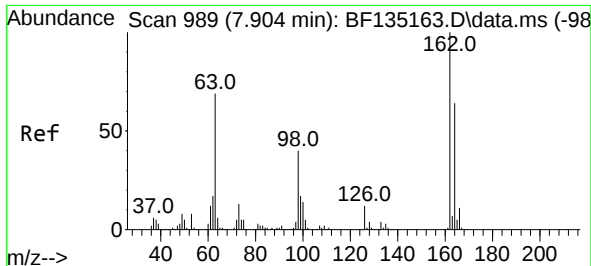
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#28
bis(2-Chloroethoxy)methane
Concen: 47.330 ng
RT: 7.792 min Scan# 970
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Tgt Ion: 93 Resp: 424438
Ion Ratio Lower Upper
93 100
95 32.8 26.2 39.2
123 11.6 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 47.396 ng

RT: 7.904 min Scan# 989

Delta R.T. 0.000 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

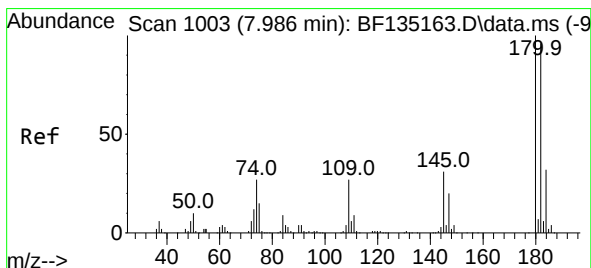
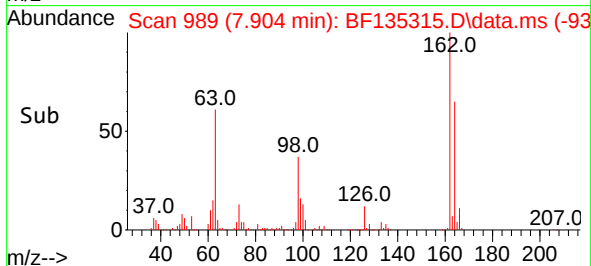
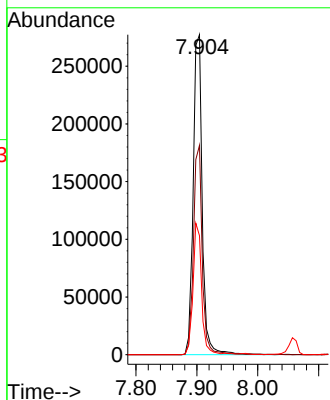
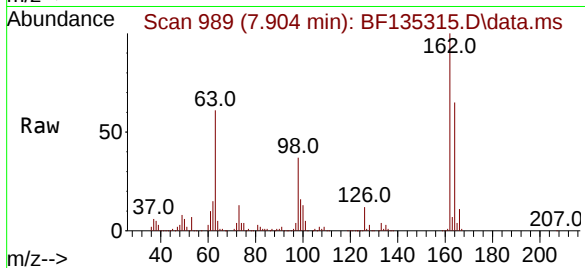
72-11930MS

Tgt Ion:	162	Resp:	285734
Ion Ratio	Lower	Upper	
162	100		
164	65.4	44.1	84.1
98	37.2	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: 46.476 ng

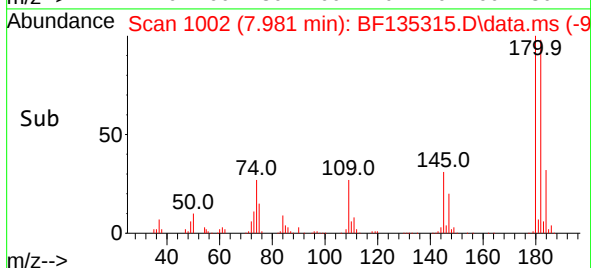
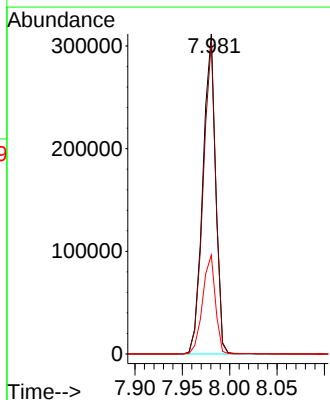
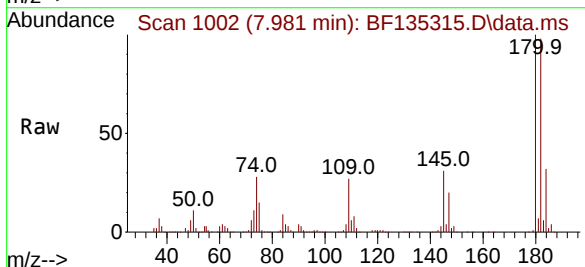
RT: 7.981 min Scan# 1002

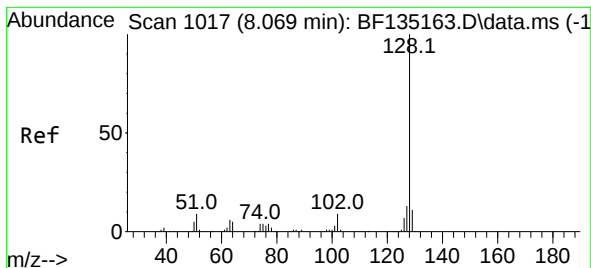
Delta R.T. -0.006 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Tgt Ion:	180	Resp:	292860
Ion Ratio	Lower	Upper	
180	100		
182	97.8	76.9	115.3
145	30.9	24.5	36.7





#31

Naphthalene

Concen: 46.173 ng

RT: 8.057 min Scan# 1017

Delta R.T. -0.012 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS

Tgt Ion:128 Resp: 99449

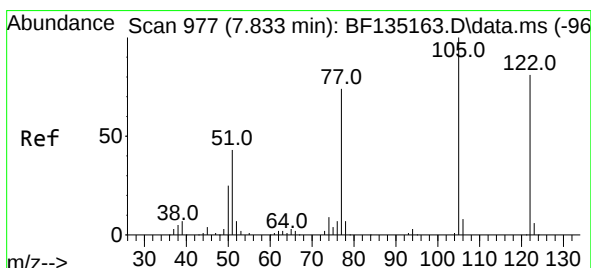
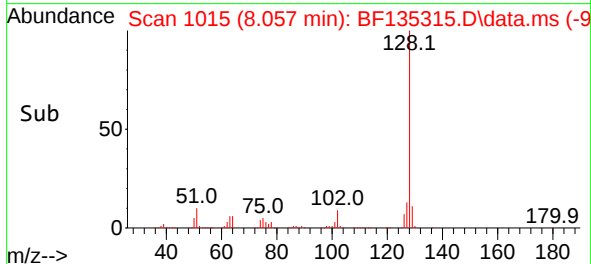
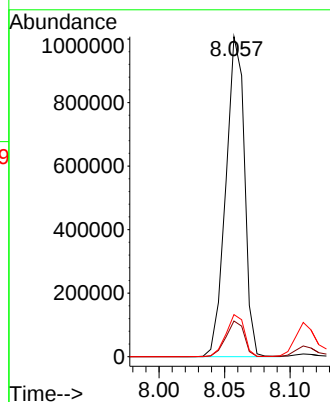
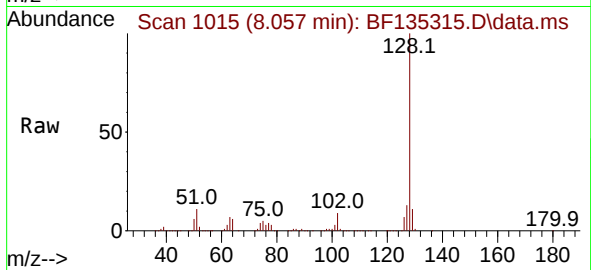
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.1	10.7	16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#32

Benzoic acid

Concen: 44.946 ng

RT: 7.839 min Scan# 978

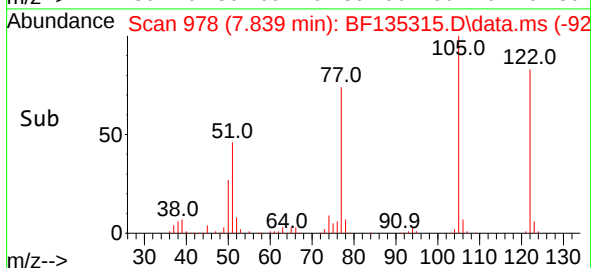
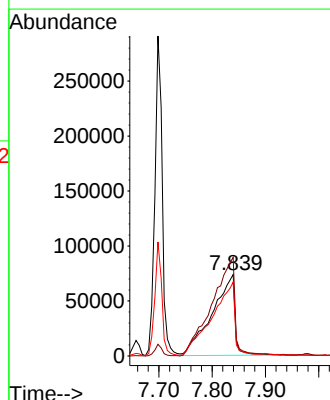
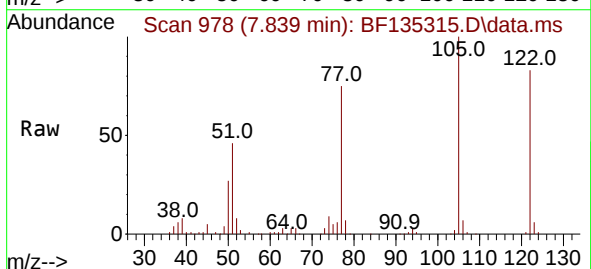
Delta R.T. 0.006 min

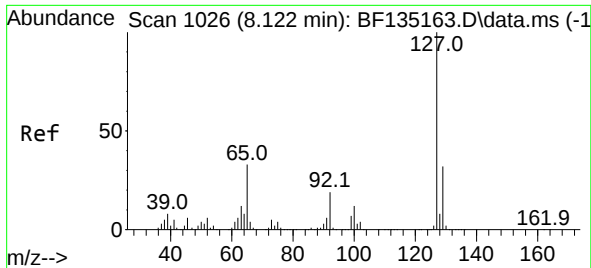
Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Tgt Ion:122 Resp: 220198

Ion	Ratio	Lower	Upper
122	100		
105	121.1	99.9	139.9
77	90.9	70.0	110.0





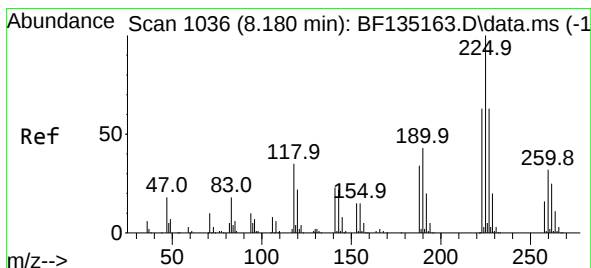
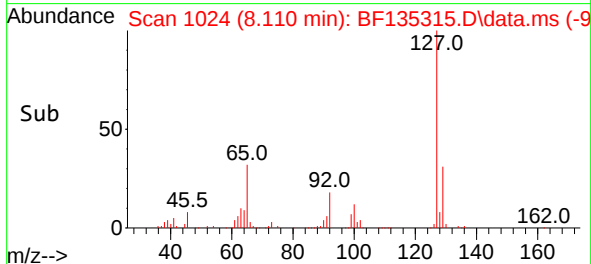
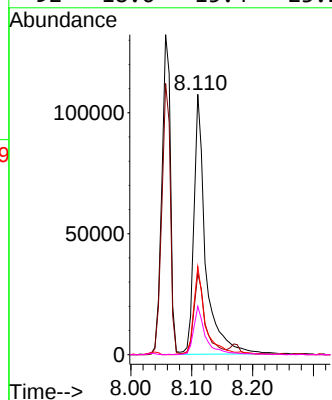
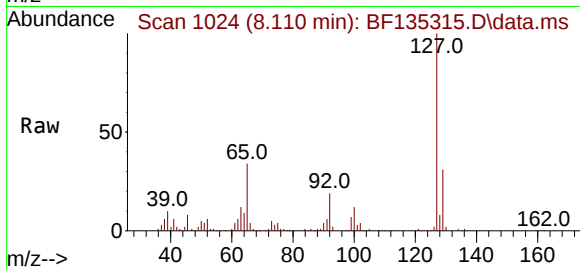
#33
4-Chloroaniline
Concen: 15.248 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :
BNA_F
ClientSampleId :
72-11930MS

Tgt Ion:	127	Resp:	14409
Ion Ratio	Lower	Upper	
127	100		
129	31.2	25.8	38.8
65	33.9	26.6	39.8
92	18.6	15.4	23.2

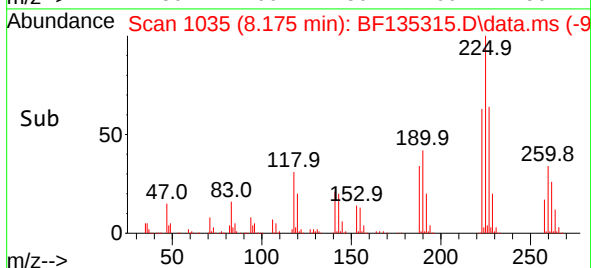
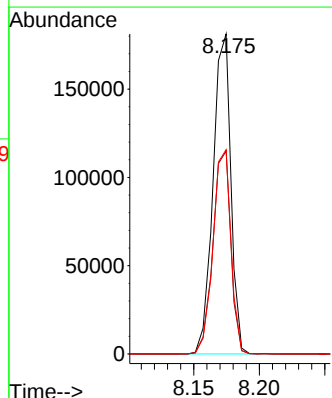
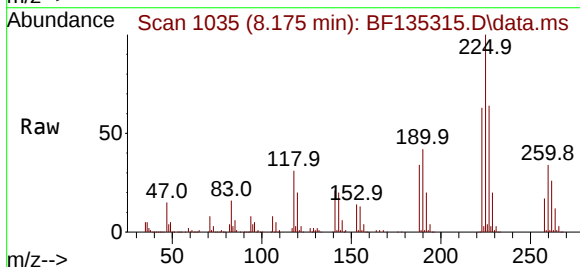
Manual Integrations
APPROVED

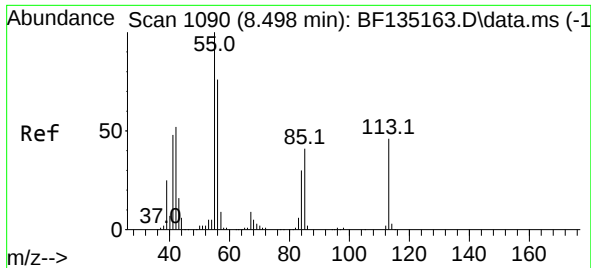
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#34
Hexachlorobutadiene
Concen: 44.948 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Tgt Ion:	225	Resp:	170783
Ion Ratio	Lower	Upper	
225	100		
223	63.4	50.6	75.8
227	63.8	50.8	76.2





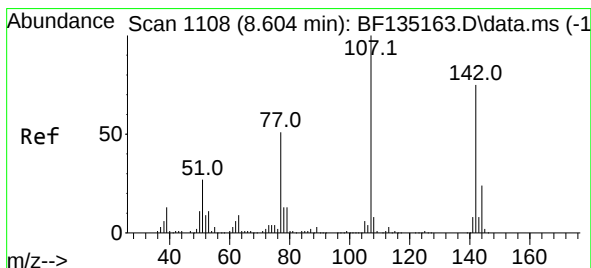
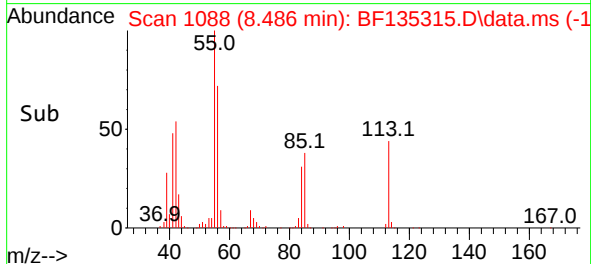
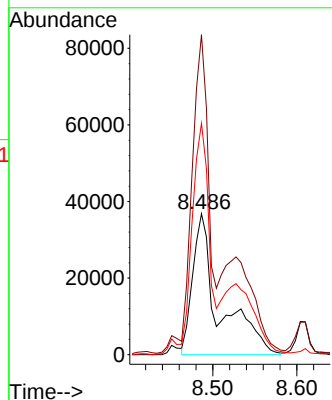
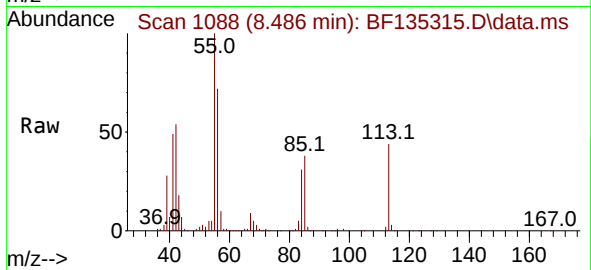
#35
Caprolactam
Concen: 39.749 ng m
RT: 8.486 min Scan# 1088
Delta R.T. -0.012 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :
BNA_F
ClientSampleId :
72-11930MS

Tgt Ion:113 Resp: 80425
Ion Ratio Lower Upper
113 100
55 227.1 199.3 239.3
56 164.2 146.3 186.3

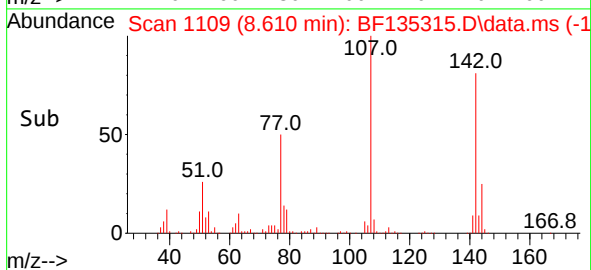
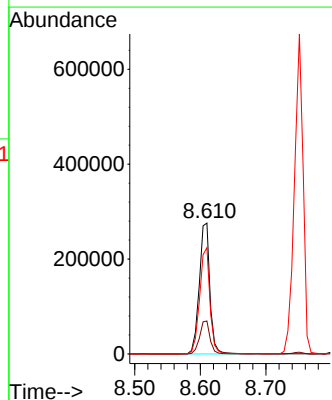
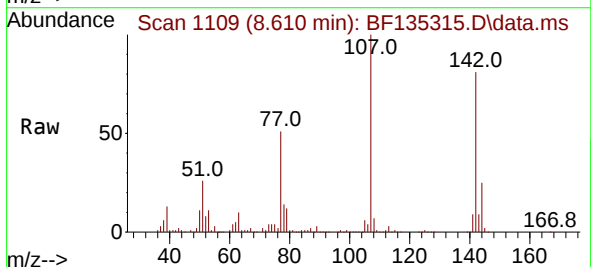
Manual Integrations
APPROVED

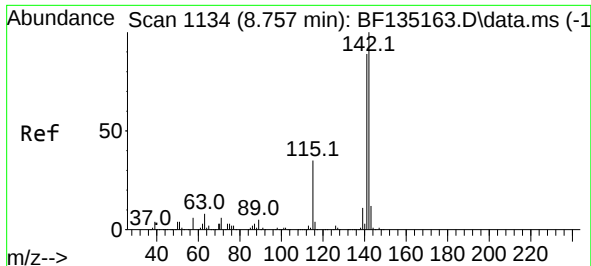
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#36
4-Chloro-3-methylphenol
Concen: 46.574 ng
RT: 8.610 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Tgt Ion:107 Resp: 312064
Ion Ratio Lower Upper
107 100
144 25.2 19.0 28.4
142 81.1 60.2 90.2





#37

2-Methylnaphthalene

Concen: 43.317 ng

RT: 8.751 min Scan# 1134

Delta R.T. -0.006 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS

Tgt Ion:142 Resp: 627149

Ion Ratio Lower Upper

142 100

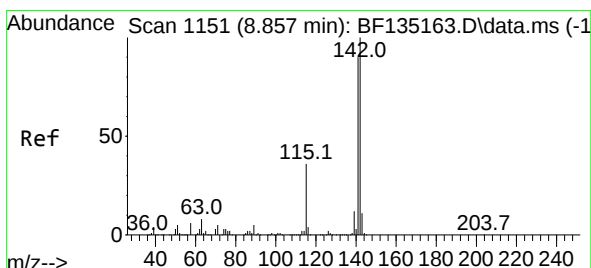
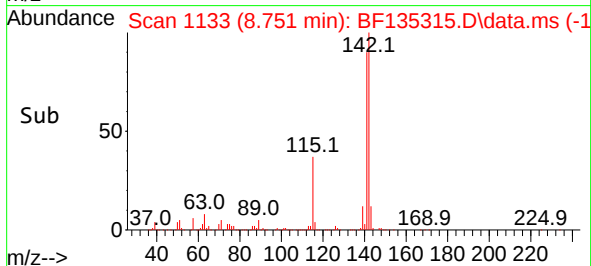
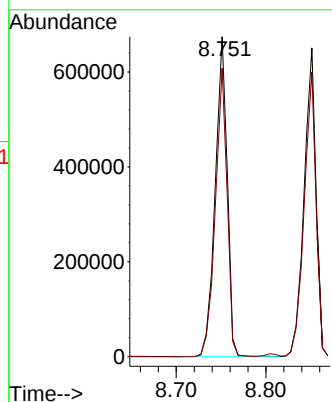
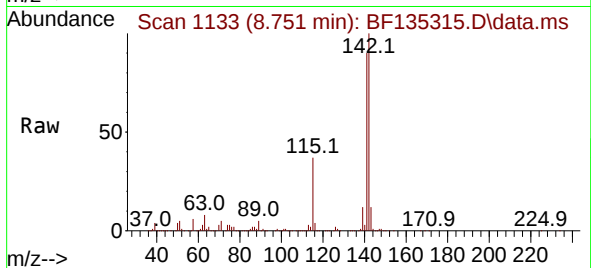
141 90.1 71.0 106.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#38

1-Methylnaphthalene

Concen: 44.315 ng

RT: 8.851 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BF135315.D

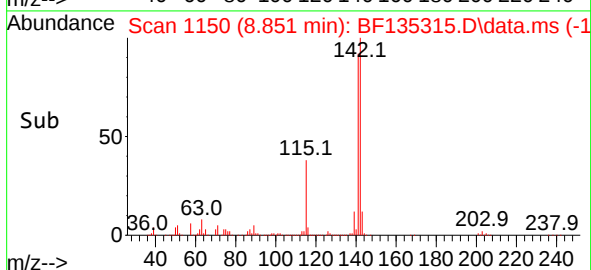
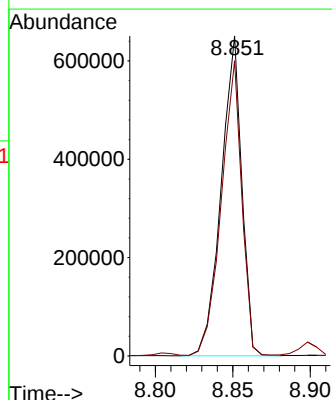
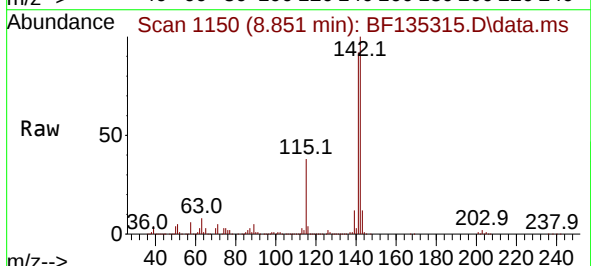
Acq: 18 Sep 2023 19:45

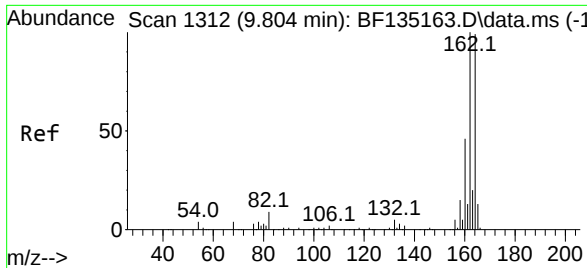
Tgt Ion:142 Resp: 600689

Ion Ratio Lower Upper

142 100

141 92.3 72.4 108.6





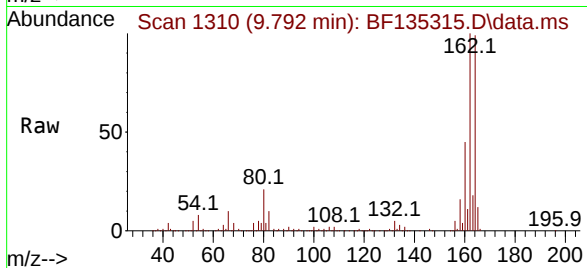
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1161
Delta R.T. -0.012 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS

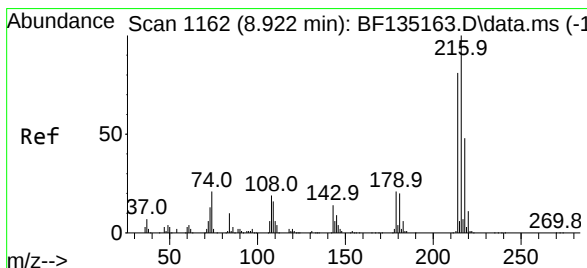
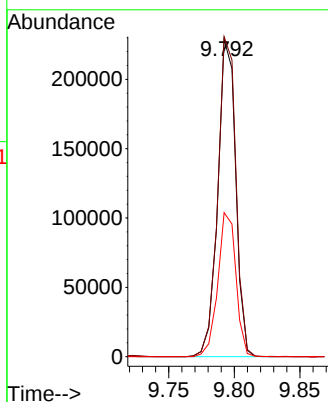
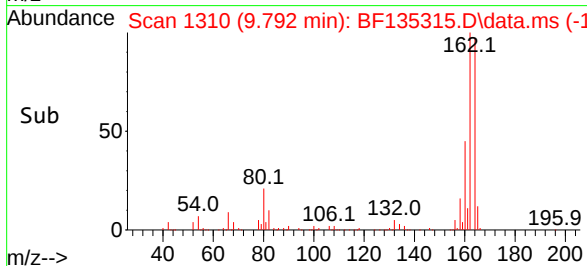


Tgt Ion:164 Resp: 21651
Ion Ratio Lower Upper
164 100
162 100.8 81.0 121.4
160 45.3 37.0 55.4

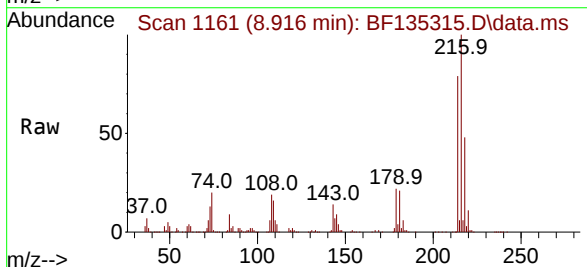
Manual Integrations

APPROVED

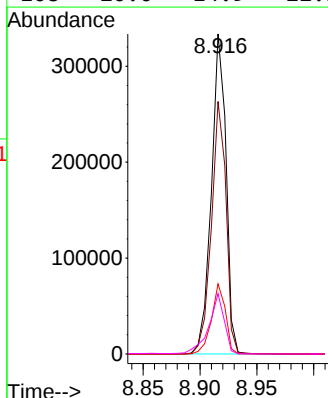
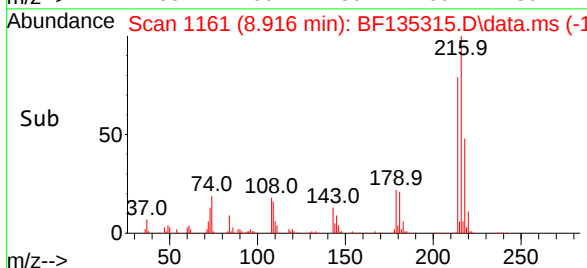
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.678 ng
RT: 8.916 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45



Tgt Ion:216 Resp: 299068
Ion Ratio Lower Upper
216 100
214 78.6 63.7 95.5
179 20.9 16.7 25.1
108 20.0 14.9 22.3





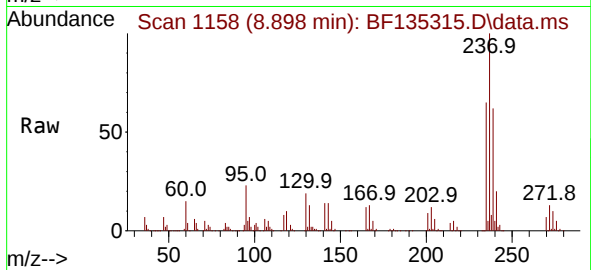
#41
Hexachlorocyclopentadiene
Concen: 68.664 ng
RT: 8.898 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS

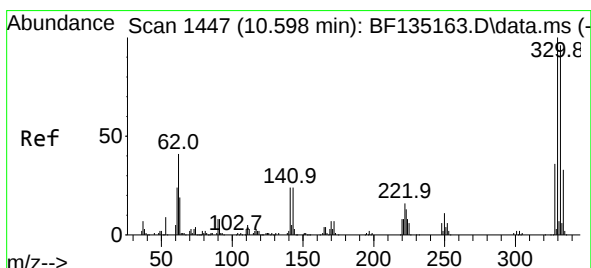
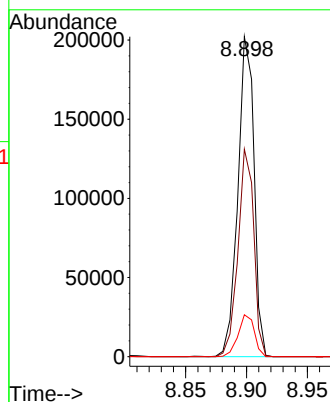
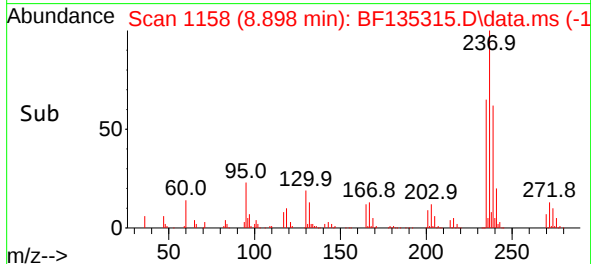


Tgt Ion:237 Resp: 18659
Ion Ratio Lower Upper
237 100
235 64.9 41.8 81.8
272 13.1 0.0 33.6

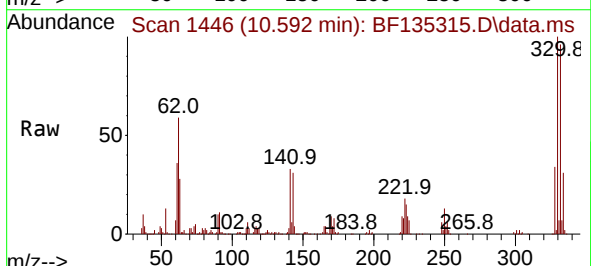
Manual Integrations

APPROVED

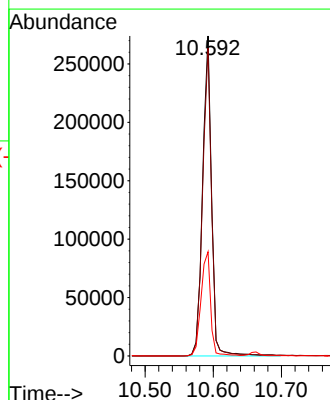
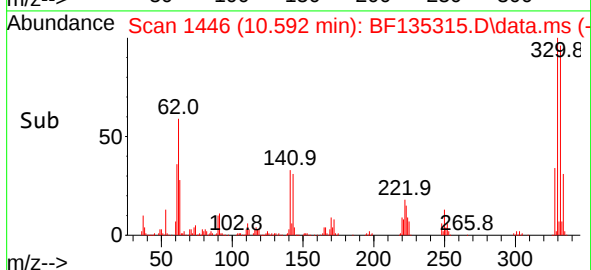
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

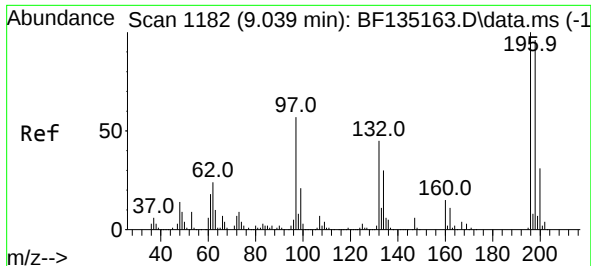


#42
2,4,6-Tribromophenol
Concen: 116.556 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45



Tgt Ion:330 Resp: 250786
Ion Ratio Lower Upper
330 100
332 95.6 77.3 115.9
141 34.8 25.8 38.8





#43

2,4,6-Trichlorophenol

Concen: 49.677 ng

RT: 9.033 min Scan# 1181

Delta R.T. -0.006 min

Lab File: BF135315.D

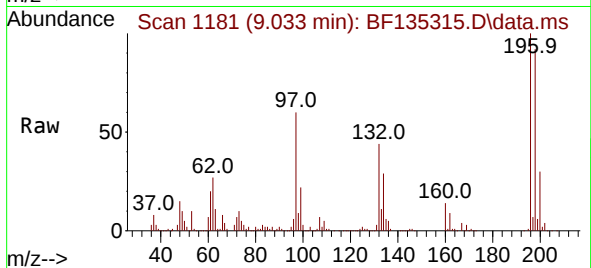
Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS



Tgt Ion:196 Resp: 204020

Ion Ratio Lower Upper

196 100

198 92.3 77.0 115.6

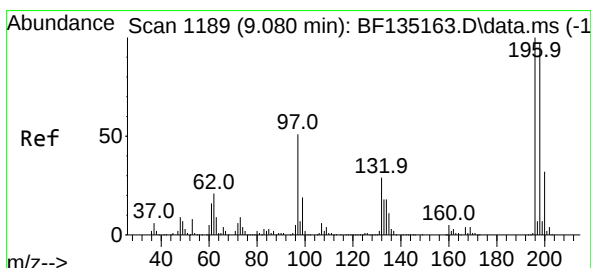
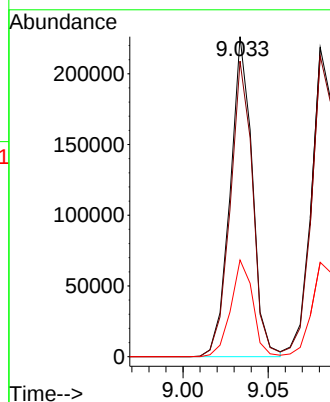
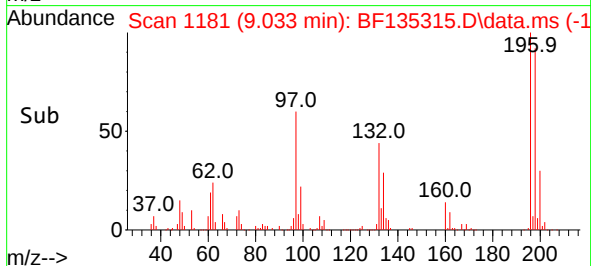
200 30.2 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#44

2,4,5-Trichlorophenol

Concen: 45.839 ng

RT: 9.081 min Scan# 1189

Delta R.T. 0.000 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Tgt Ion:196 Resp: 216799

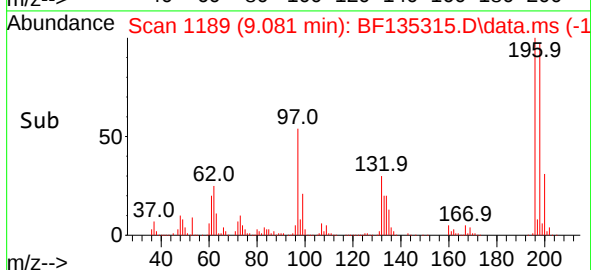
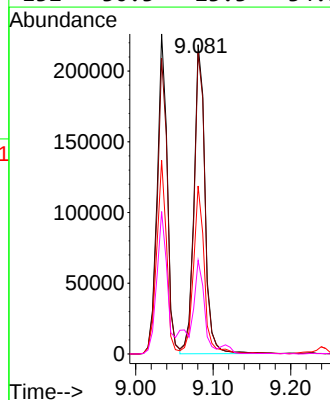
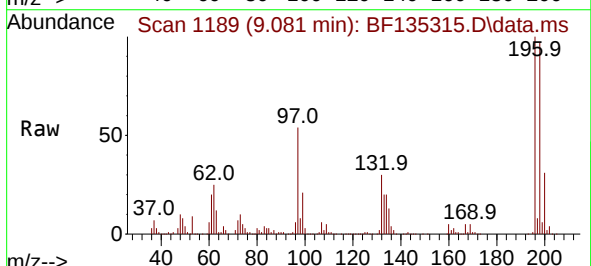
Ion Ratio Lower Upper

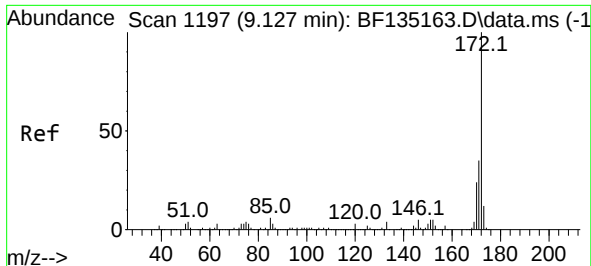
196 100

198 97.2 77.5 116.3

97 54.3 40.5 60.7

132 30.3 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 87.791 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135315.D

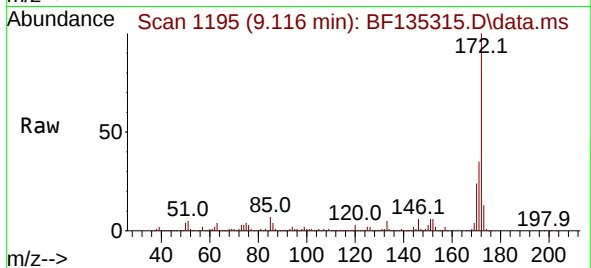
Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS



Tgt Ion:172 Resp: 1259880

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

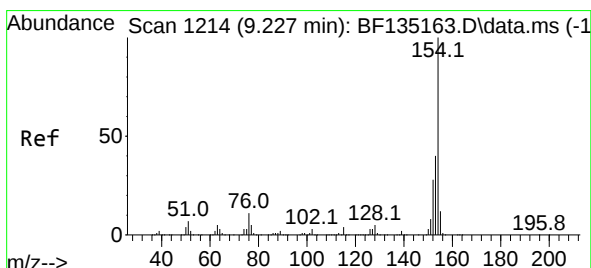
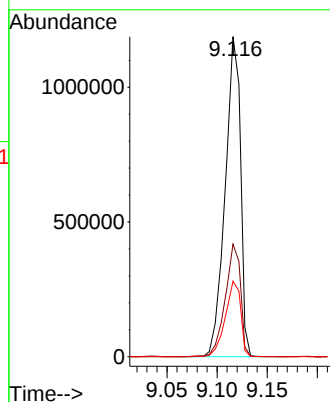
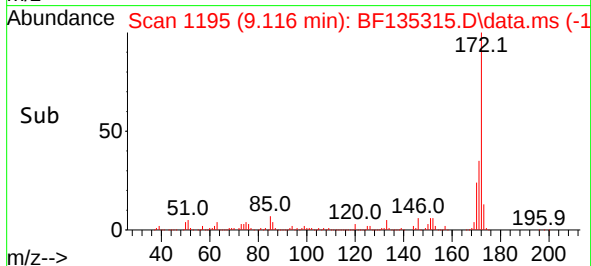
170 23.5 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#46

1,1'-Biphenyl

Concen: 48.406 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

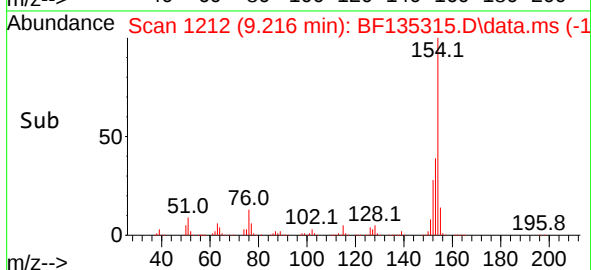
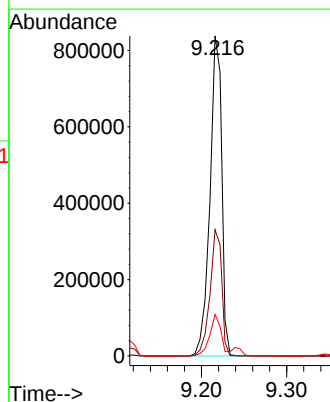
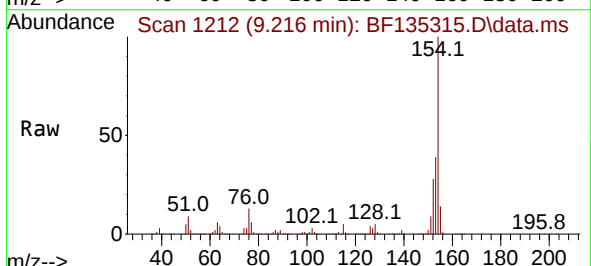
Tgt Ion:154 Resp: 805414

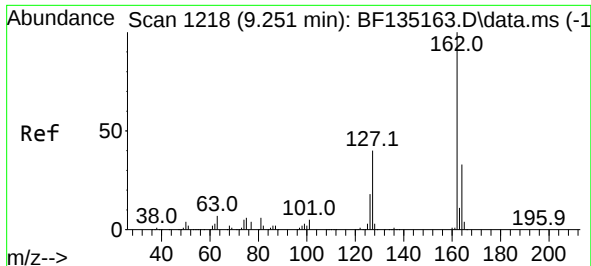
Ion Ratio Lower Upper

154 100

153 39.5 19.6 59.6

76 13.0 0.0 31.0





#47

2-Chloronaphthalene

Concen: 48.961 ng

RT: 9.245 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS

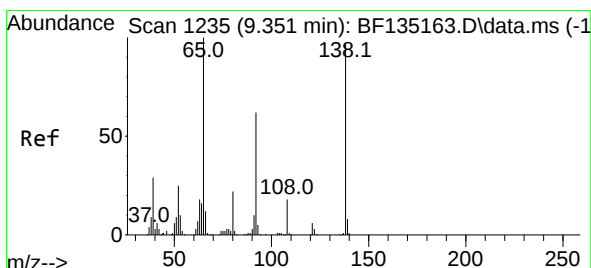
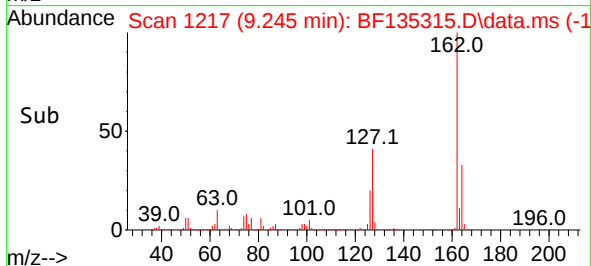
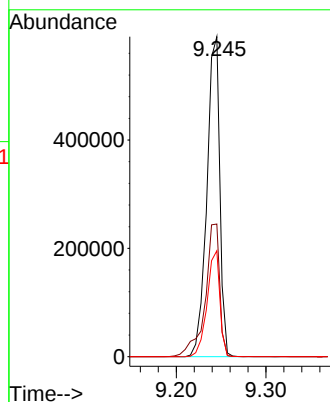
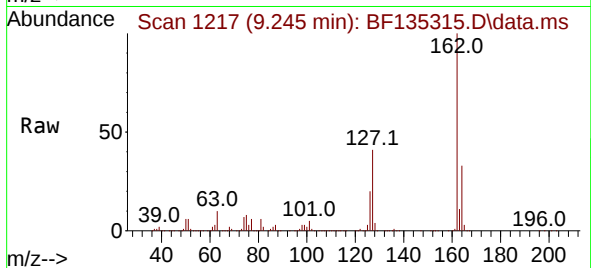
Tgt Ion:	162	Resp:	59108
Ion Ratio	Lower	Upper	
162	100		
127	41.4	32.6	48.8
164	33.1	26.2	39.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#48

2-Nitroaniline

Concen: 49.289 ng

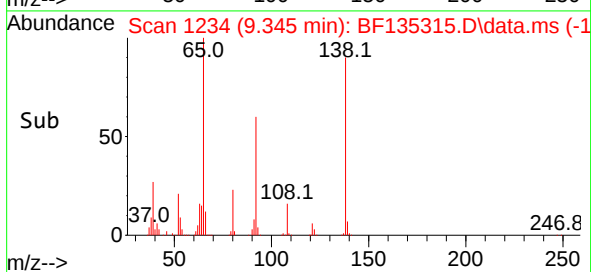
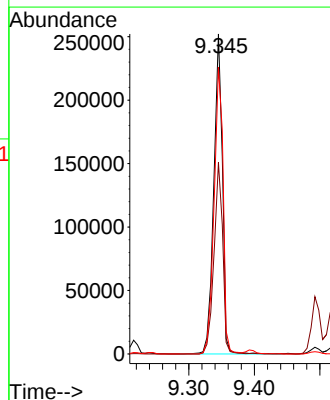
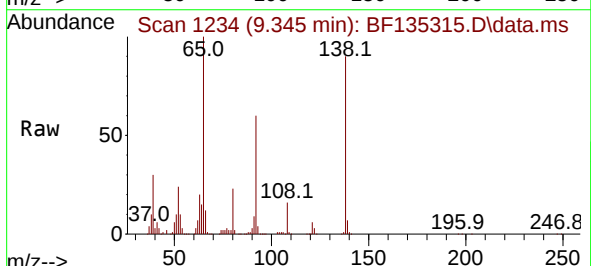
RT: 9.345 min Scan# 1234

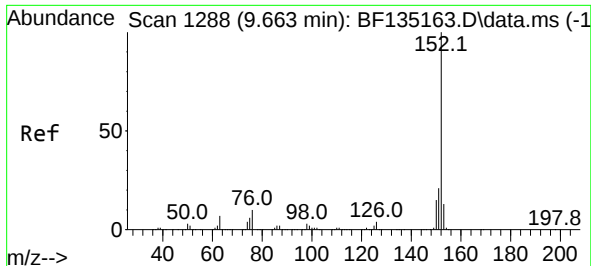
Delta R.T. -0.006 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Tgt Ion:	65	Resp:	231171
Ion Ratio	Lower	Upper	
65	100		
92	59.9	49.4	74.0
138	89.6	77.4	116.0





#49

Acenaphthylene

Concen: 48.647 ng

RT: 9.657 min Scan# 1287

Delta R.T. -0.006 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS

Tgt Ion:152 Resp: 976035

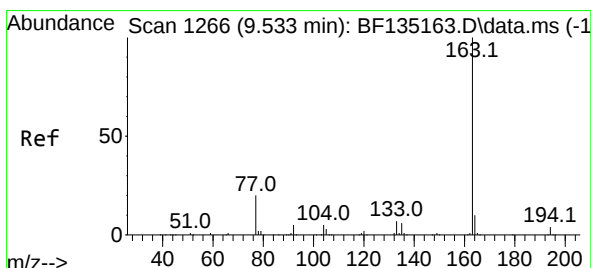
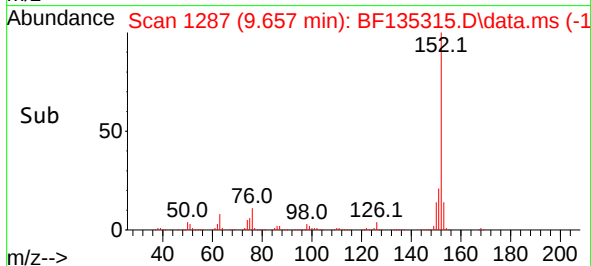
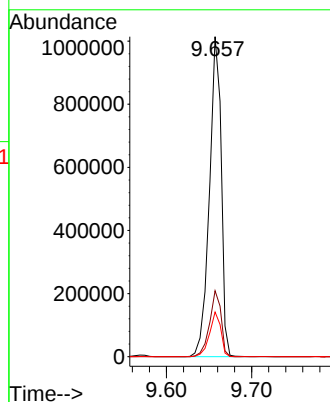
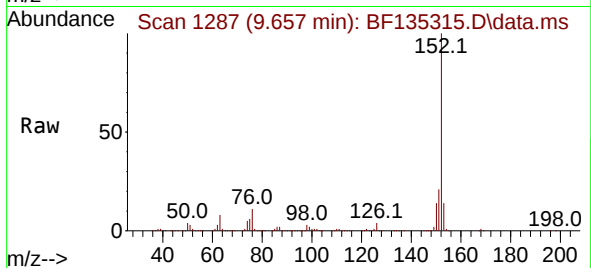
Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.4	24.6
153	13.9	10.4	15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#50

Dimethylphthalate

Concen: 48.225 ng

RT: 9.528 min Scan# 1265

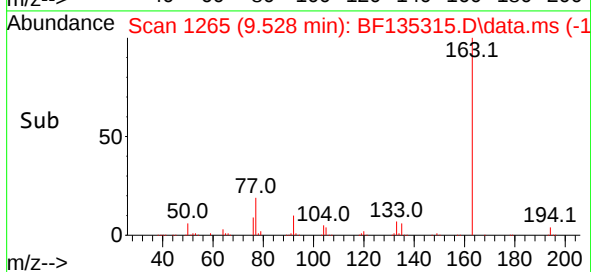
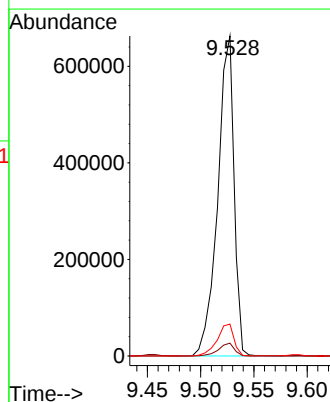
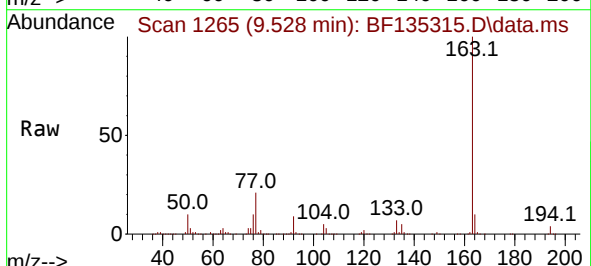
Delta R.T. -0.005 min

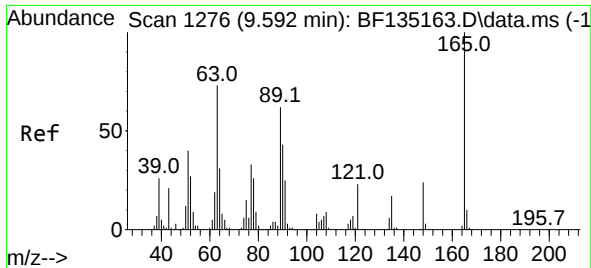
Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Tgt Ion:163 Resp: 705954

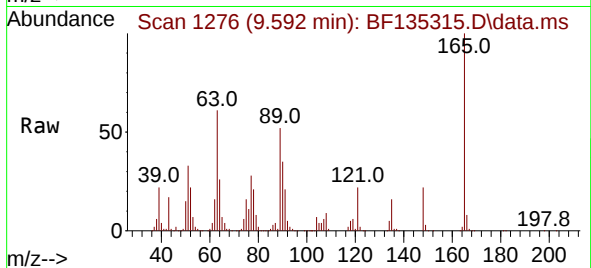
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.0	8.1	12.1





#51
2,6-Dinitrotoluene
Concen: 48.749 ng
RT: 9.592 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

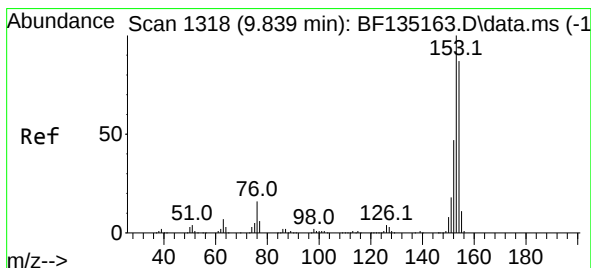
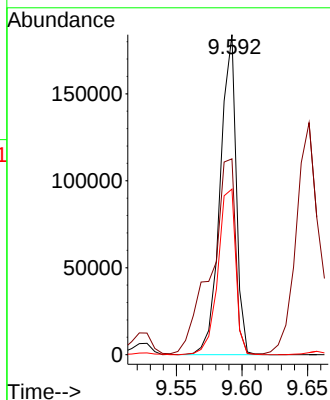
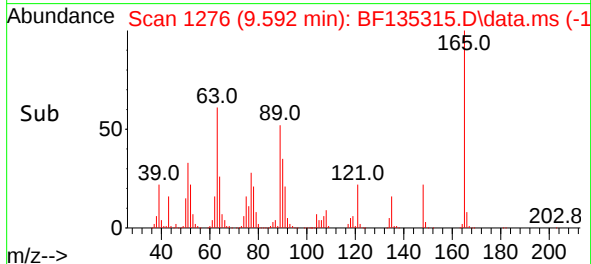
Instrument :
BNA_F
ClientSampleId :
72-11930MS



Tgt Ion:165 Resp: 156330
Ion Ratio Lower Upper
165 100
63 61.2 59.4 89.2
89 51.8 49.8 74.8

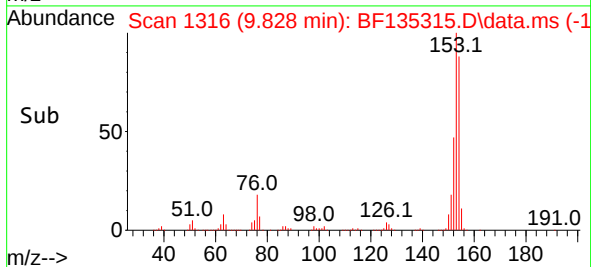
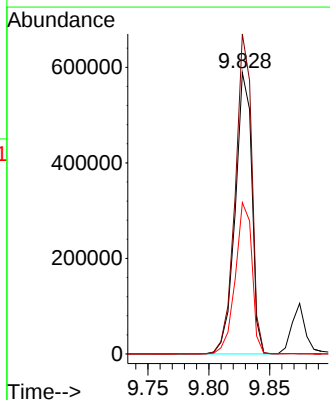
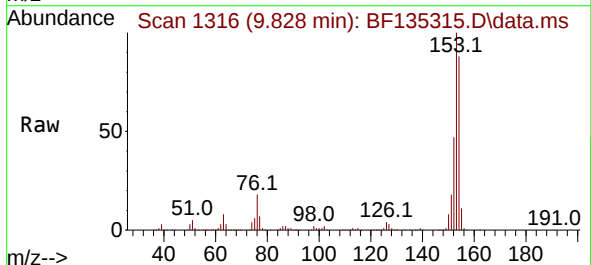
Manual Integrations
APPROVED

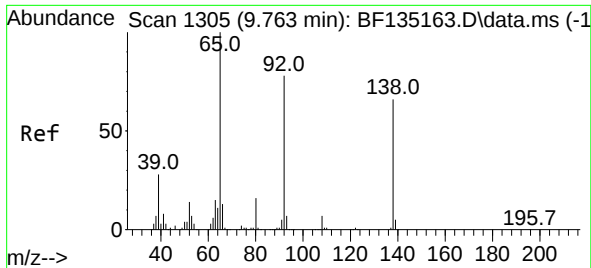
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#52
Acenaphthene
Concen: 47.273 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Tgt Ion:154 Resp: 560306
Ion Ratio Lower Upper
154 100
153 113.7 92.1 138.1
152 53.8 43.1 64.7





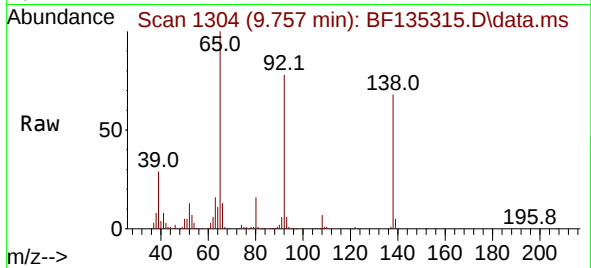
#53
3-Nitroaniline
Concen: 28.614 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS



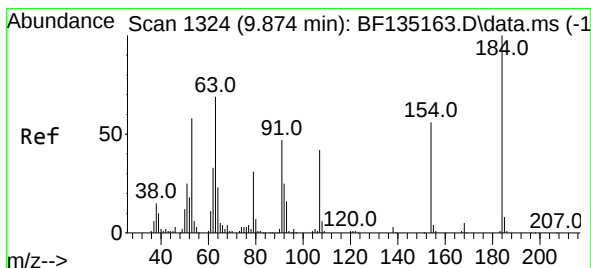
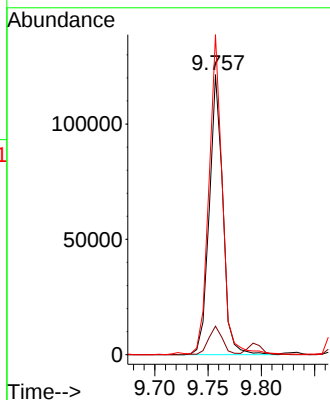
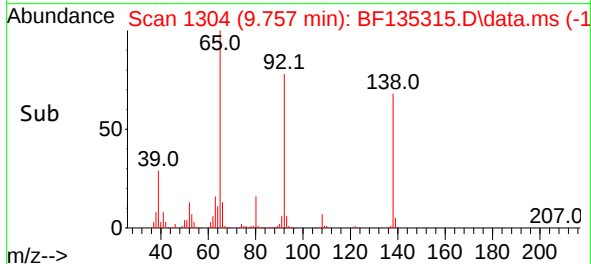
Tgt Ion:138 Resp: 107710
Ion Ratio Lower Upper
138 100
108 10.2 8.5 12.7
92 114.3 95.4 143.0

Manual Integrations

APPROVED

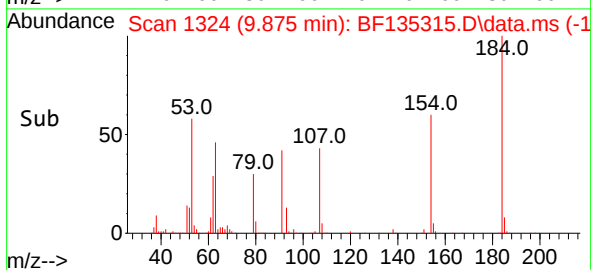
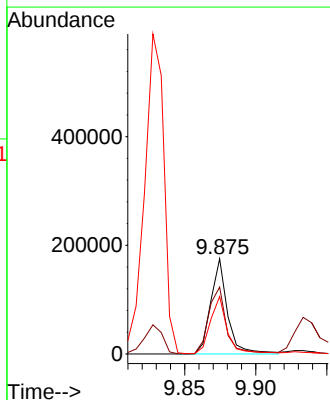
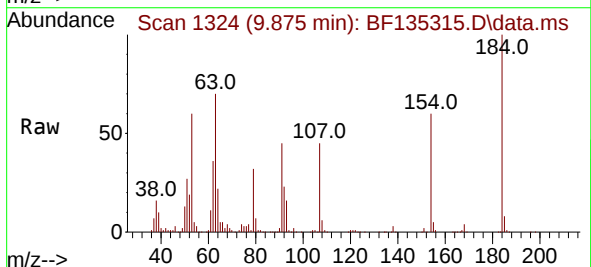
Reviewed By :Yogesh Patel 09/19/2023

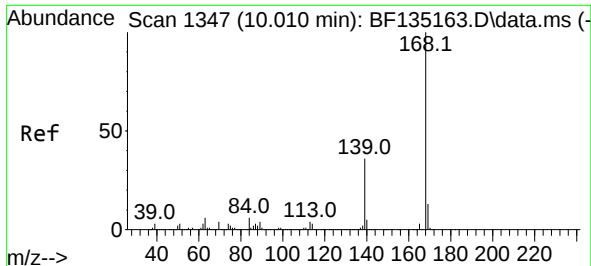
Supervised By :mohammad ahmed 09/19/2023



#54
2,4-Dinitrophenol
Concen: 78.994 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.001 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

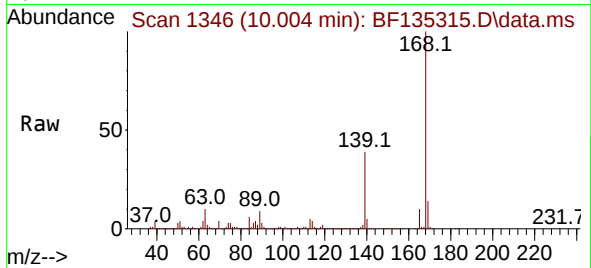
Tgt Ion:184 Resp: 143653
Ion Ratio Lower Upper
184 100
63 70.3 55.1 82.7
154 60.3 48.4 72.6





#55
Dibenzenofuran
Concen: 45.110 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

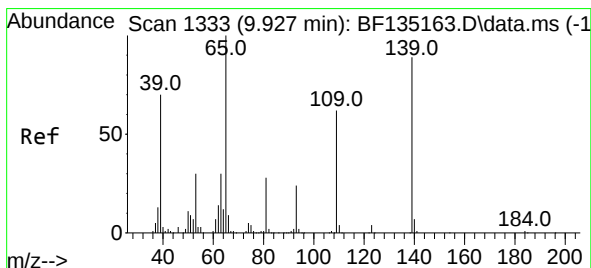
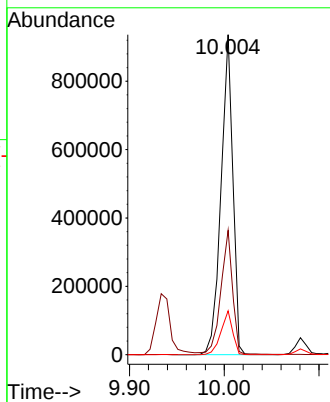
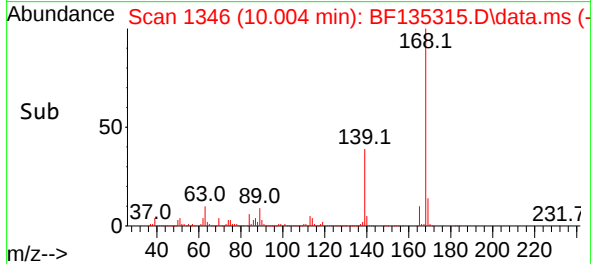
Instrument :
BNA_F
ClientSampleId :
72-11930MS



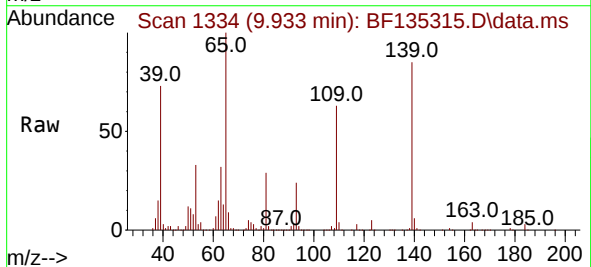
Tgt Ion:168 Resp: 81588
Ion Ratio Lower Upper
168 100
139 38.9 29.0 43.6
169 13.7 10.4 15.6

Manual Integrations
APPROVED

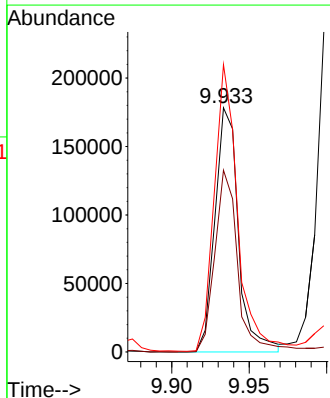
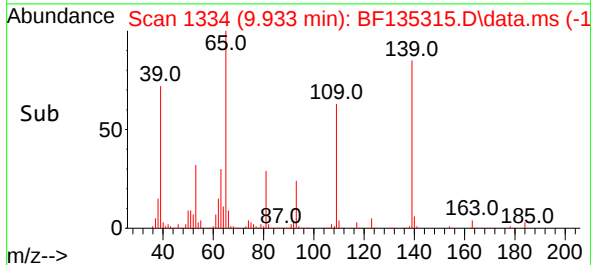
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

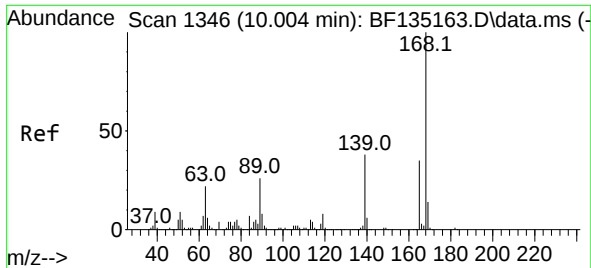


#56
4-Nitrophenol
Concen: 78.434 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45



Tgt Ion:139 Resp: 187645
Ion Ratio Lower Upper
139 100
109 74.4 49.8 89.8
65 117.7 92.7 132.7





#57
2,4-Dinitrotoluene
Concen: 45.752 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

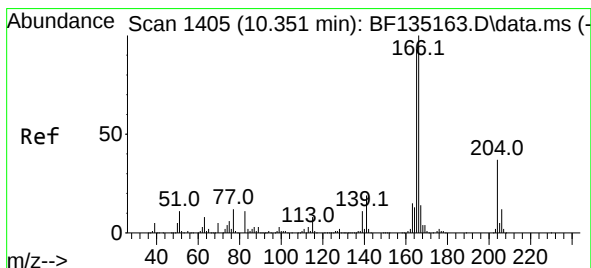
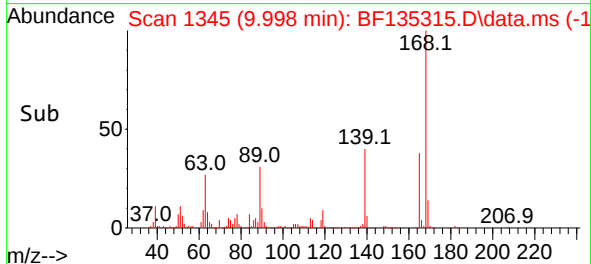
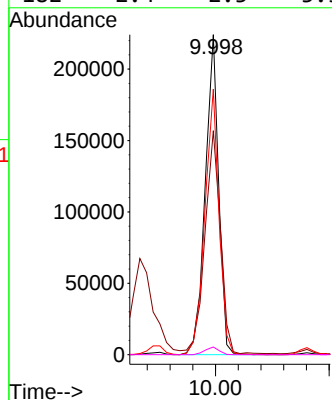
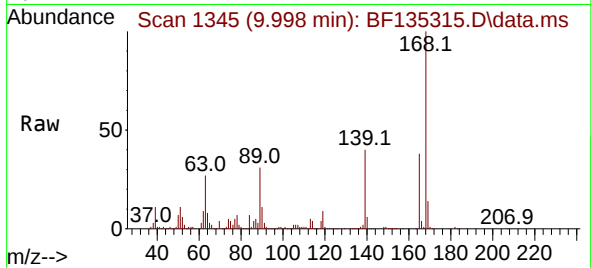
72-11930MS

Tgt Ion:165 Resp: 183678
Ion Ratio Lower Upper
165 100
63 70.0 50.1 75.1
89 83.0 59.3 88.9
182 2.4 2.3 3.5

Manual Integrations

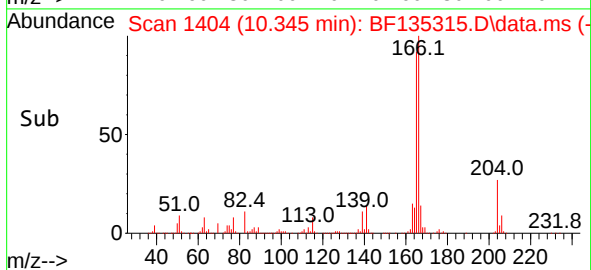
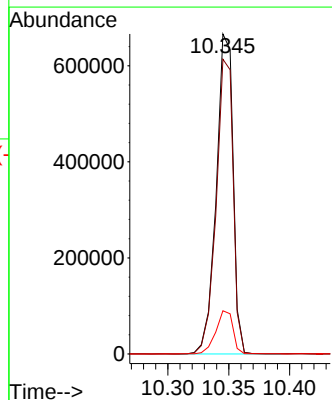
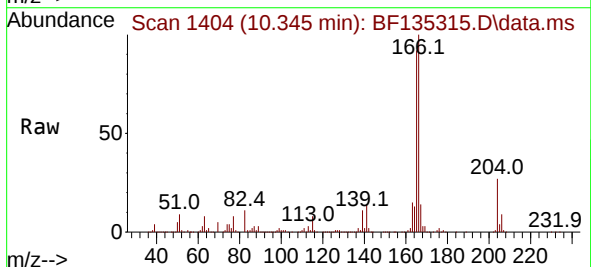
APPROVED

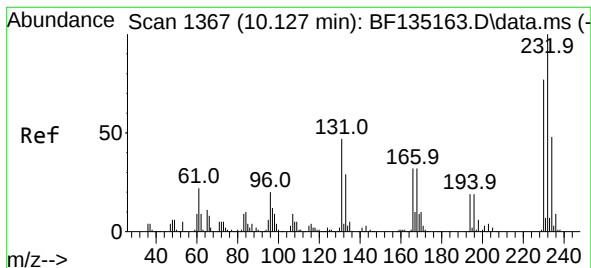
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#58
Fluorene
Concen: 46.070 ng
RT: 10.345 min Scan# 1404
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

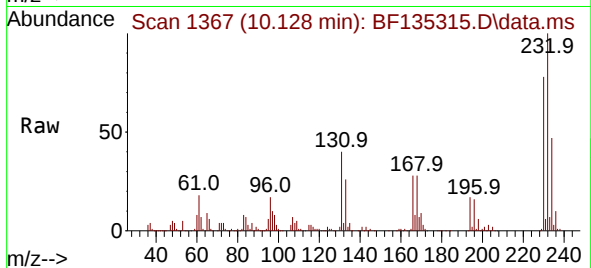
Tgt Ion:166 Resp: 640574
Ion Ratio Lower Upper
166 100
165 92.1 74.3 111.5
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.362 ng
RT: 10.128 min Scan# 1367
Delta R.T. 0.000 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

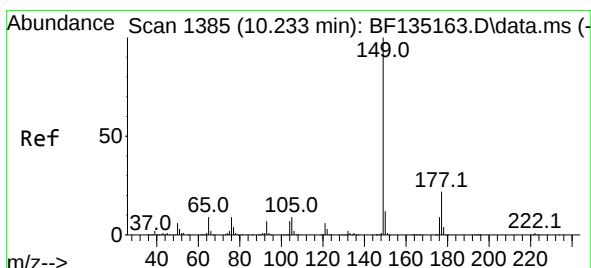
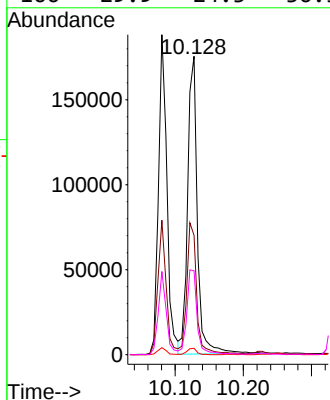
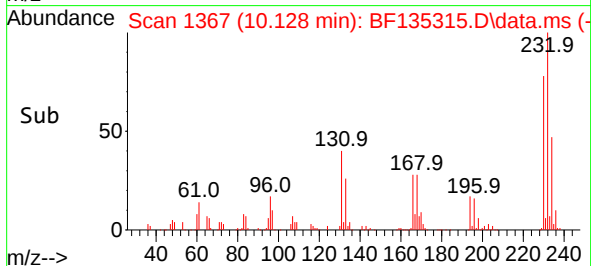
Instrument :
BNA_F
ClientSampleId :
72-11930MS



Tgt Ion:232 Resp: 17231
Ion Ratio Lower Upper
232 100
131 45.2 35.4 53.2
130 2.2 1.8 2.8
166 29.9 24.3 36.5

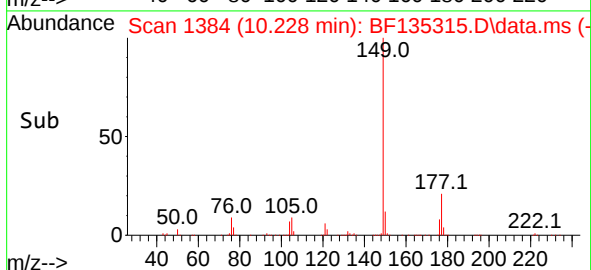
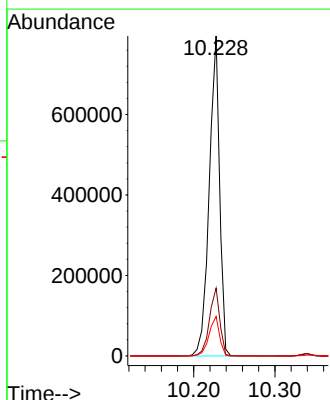
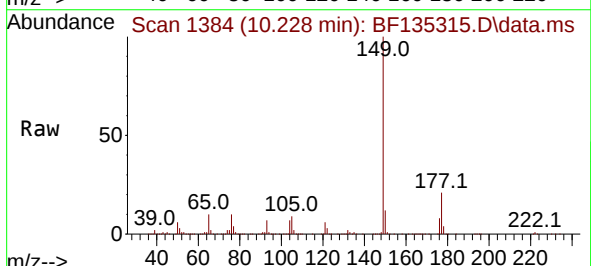
Manual Integrations
APPROVED

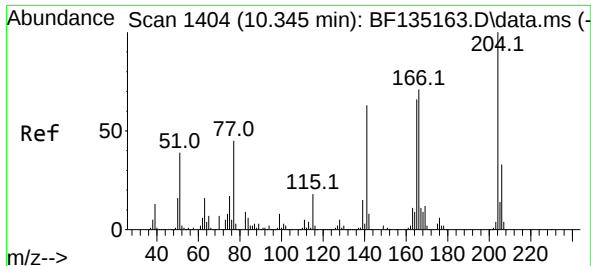
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#60
Diethylphthalate
Concen: 47.890 ng
RT: 10.228 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

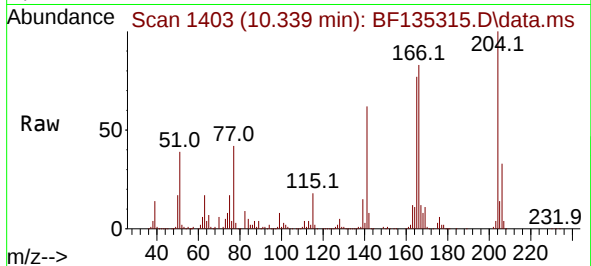
Tgt Ion:149 Resp: 703560
Ion Ratio Lower Upper
149 100
177 21.2 17.8 26.6
150 12.3 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 45.073 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

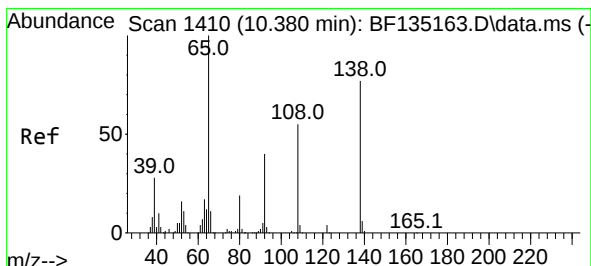
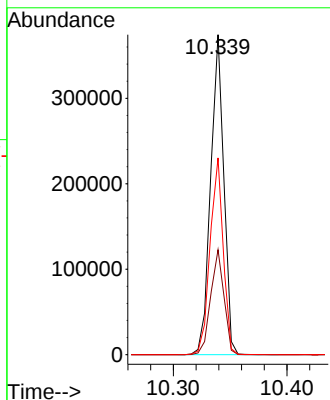
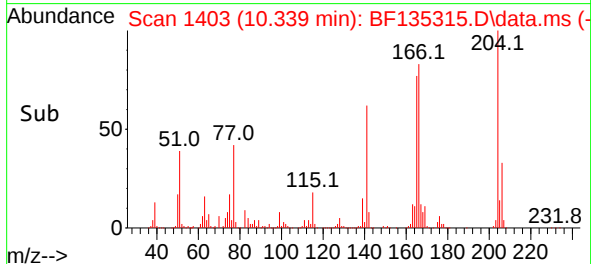
Instrument :
BNA_F
ClientSampleId :
72-11930MS



Tgt Ion:204 Resp: 301052
Ion Ratio Lower Upper
204 100
206 32.8 26.7 40.1
141 61.5 50.6 75.8

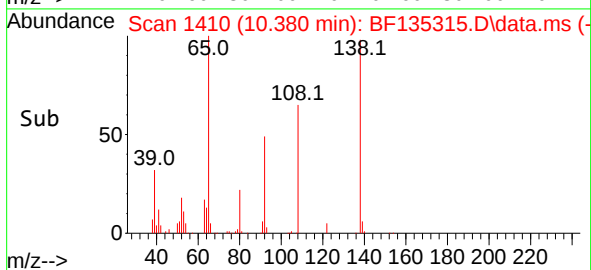
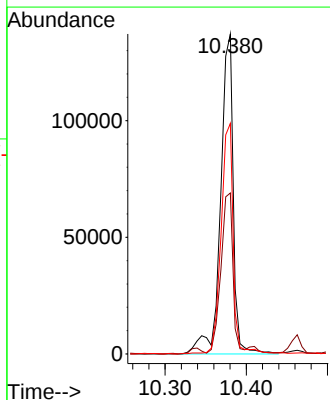
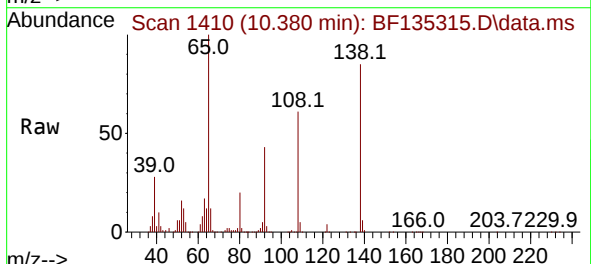
Manual Integrations
APPROVED

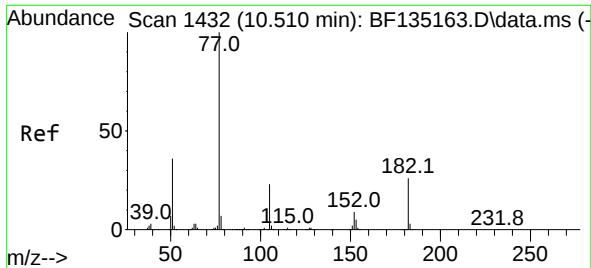
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#62
4-Nitroaniline
Concen: 41.423 ng
RT: 10.380 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Tgt Ion:138 Resp: 149885
Ion Ratio Lower Upper
138 100
92 50.3 31.8 71.8
108 72.1 52.0 92.0





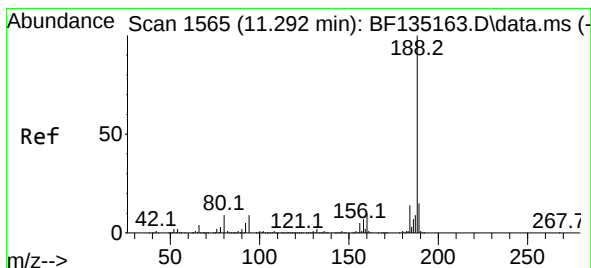
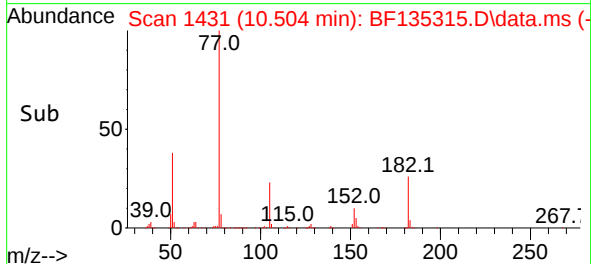
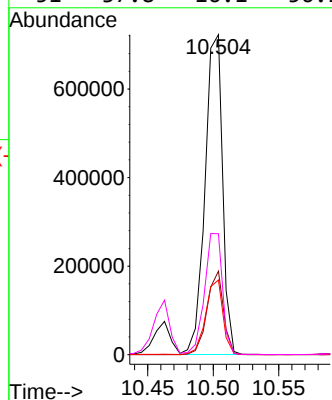
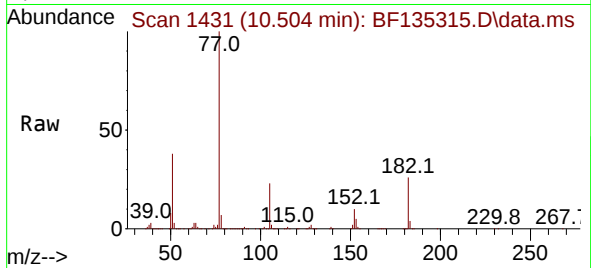
#63
Azobenzene
Concen: 47.051 ng
RT: 10.504 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :
BNA_F
ClientSampleId :
72-11930MS

Tgt Ion: 77 Resp: 676500
Ion Ratio Lower Upper
77 100
182 26.1 6.4 46.4
105 23.4 3.1 43.1
51 37.8 16.1 56.1

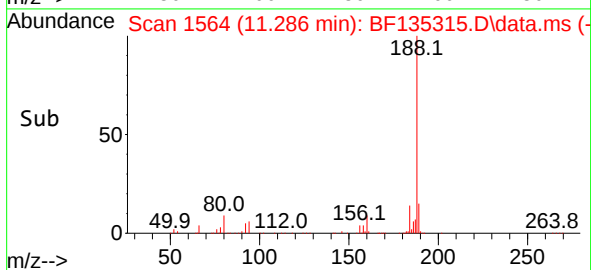
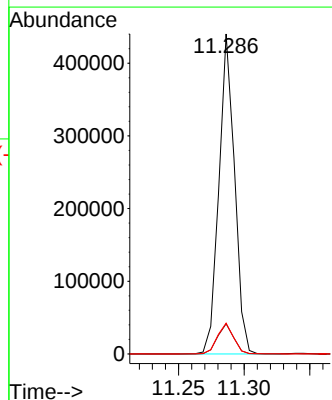
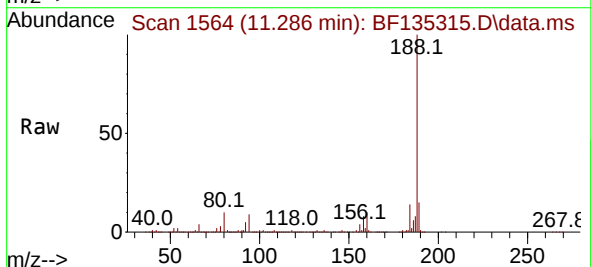
Manual Integrations
APPROVED

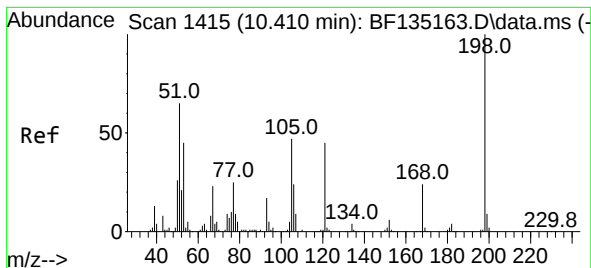
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Tgt Ion:188 Resp: 365164
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.6
80 9.6 7.5 11.3





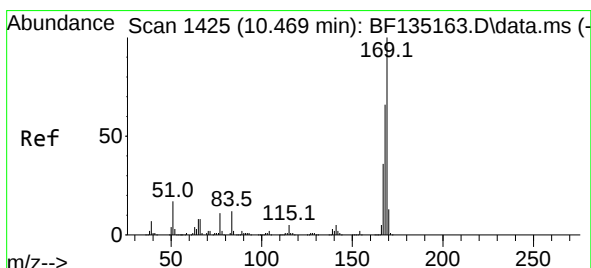
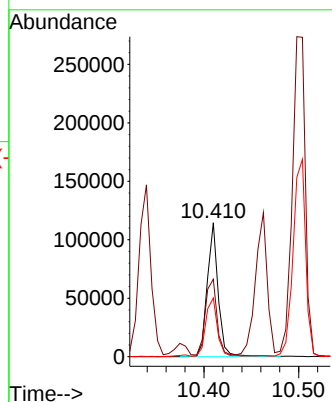
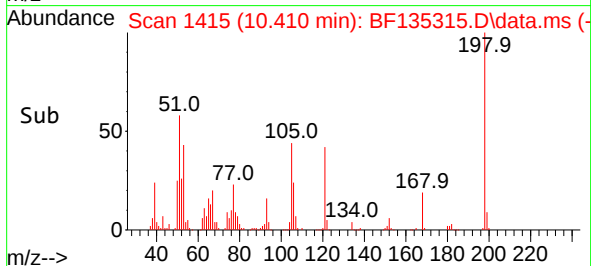
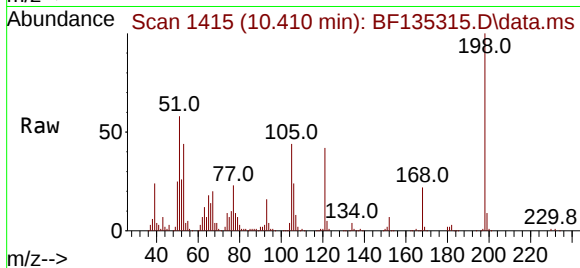
#65
4,6-Dinitro-2-methylphenol
Concen: 47.026 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :
BNA_F
ClientSampleId :
72-11930MS

Tgt Ion:198 Resp: 91201
Ion Ratio Lower Upper
198 100
51 57.8 47.7 87.7
105 43.8 27.4 67.4

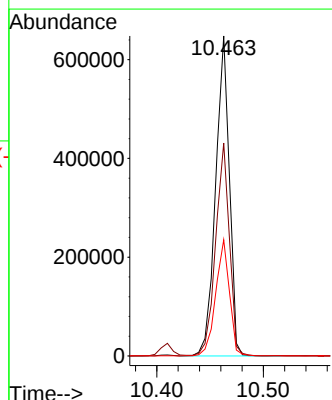
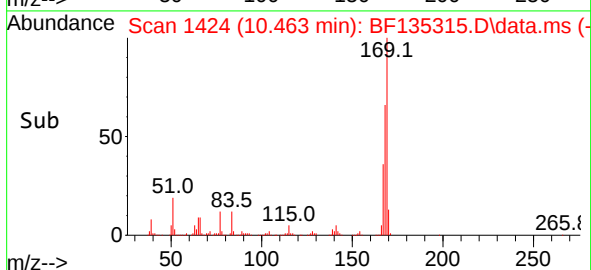
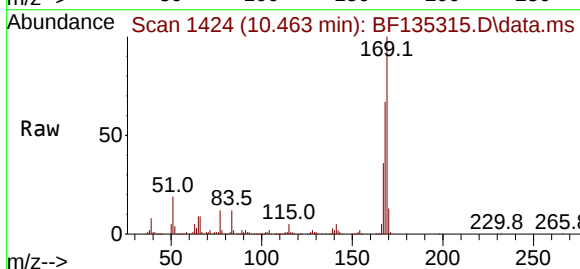
Manual Integrations
APPROVED

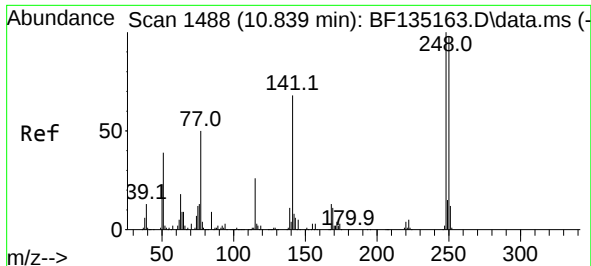
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#66
n-Nitrosodiphenylamine
Concen: 52.565 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

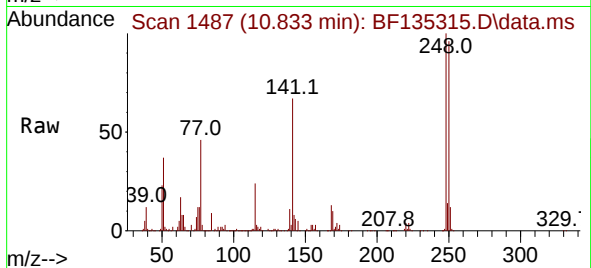
Tgt Ion:169 Resp: 581121
Ion Ratio Lower Upper
169 100
168 66.5 52.8 79.2
167 36.3 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 52.009 ng
RT: 10.833 min Scan# 1487
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

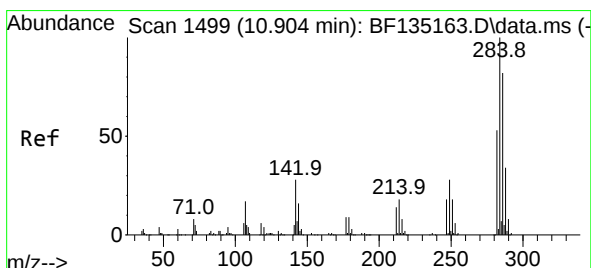
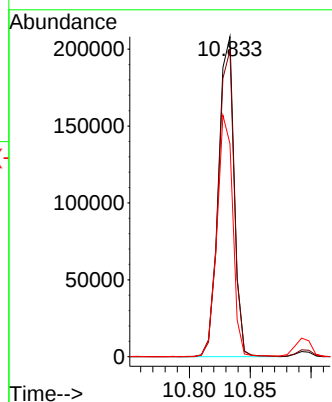
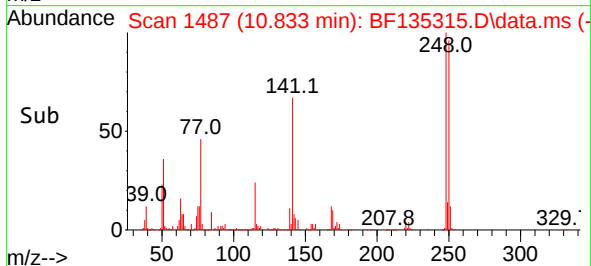
Instrument :
BNA_F
ClientSampleId :
72-11930MS



Tgt Ion:248 Resp: 188880
Ion Ratio Lower Upper
248 100
250 95.8 78.6 117.8
141 66.6 54.2 81.2

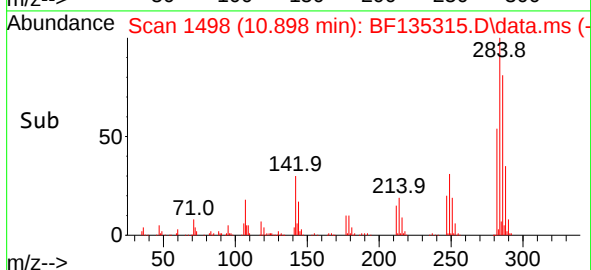
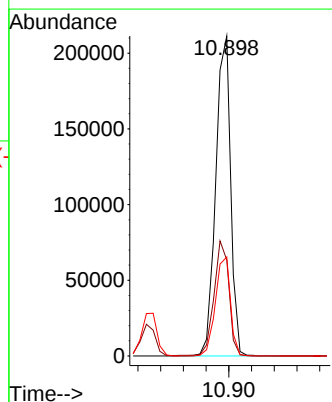
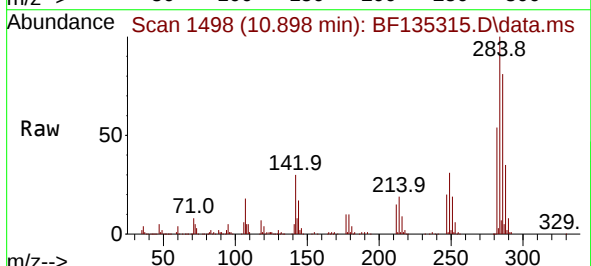
Manual Integrations
APPROVED

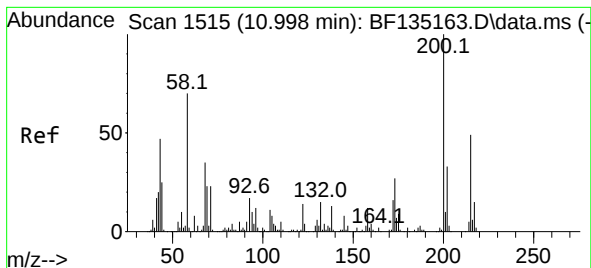
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#68
Hexachlorobenzene
Concen: 52.032 ng
RT: 10.898 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Tgt Ion:284 Resp: 192520
Ion Ratio Lower Upper
284 100
142 30.0 22.2 33.4
249 30.9 22.5 33.7





#69

Atrazine

Concen: 56.416 ng

RT: 10.998 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS

Tgt Ion:200 Resp: 167818

Ion Ratio Lower Upper

200 100

173 26.1 7.4 47.4

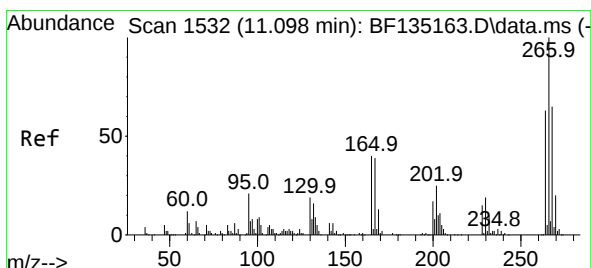
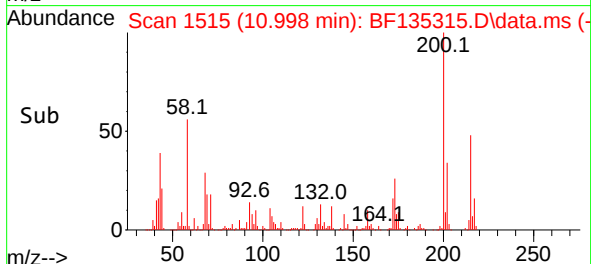
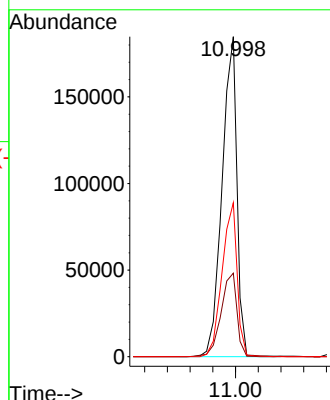
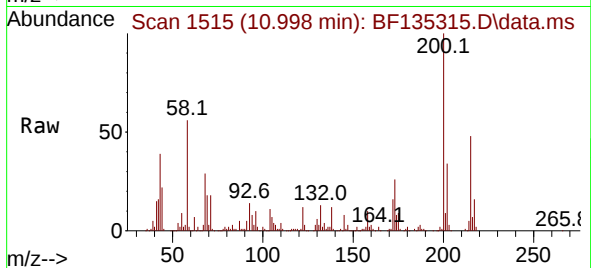
215 48.1 28.6 68.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#70

Pentachlorophenol

Concen: 85.030 ng

RT: 11.098 min Scan# 1532

Delta R.T. 0.000 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

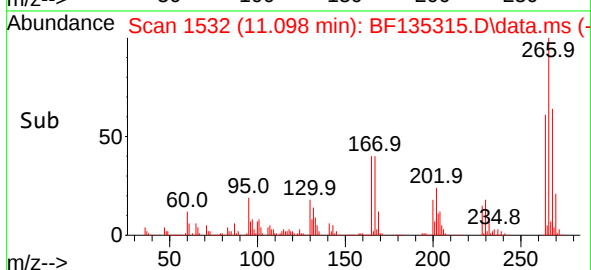
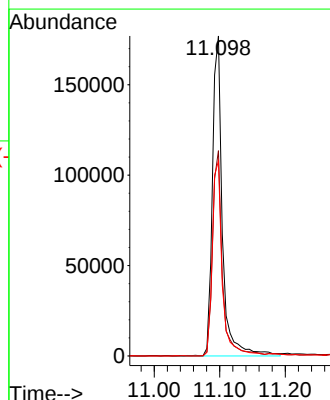
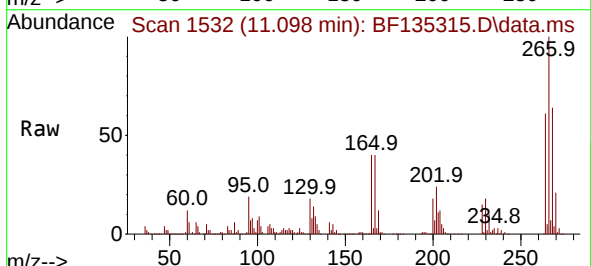
Tgt Ion:266 Resp: 188231

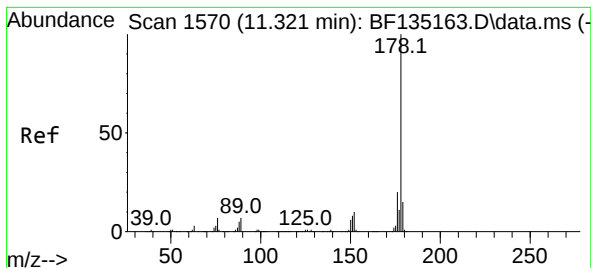
Ion Ratio Lower Upper

266 100

268 64.2 52.1 78.1

264 61.0 50.8 76.2





#71

Phenanthrene

Concen: 48.813 ng

RT: 11.316 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS

Tgt Ion:178 Resp: 84303

Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

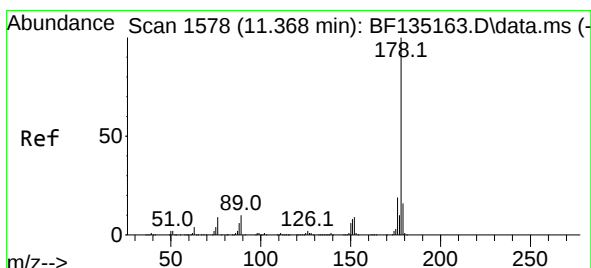
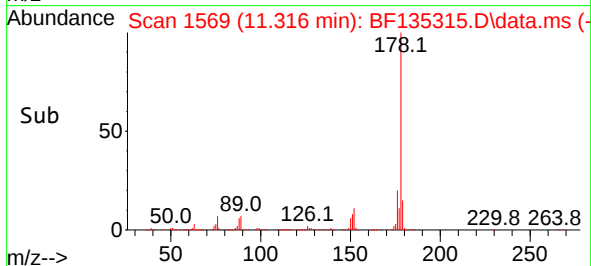
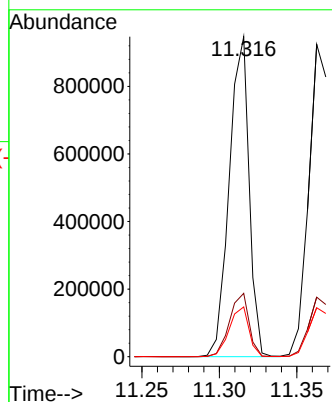
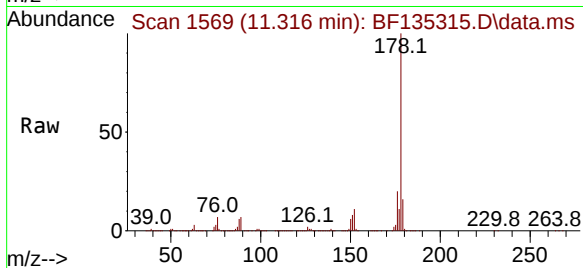
179 15.5 12.0 18.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#72

Anthracene

Concen: 48.404 ng

RT: 11.363 min Scan# 1577

Delta R.T. -0.006 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

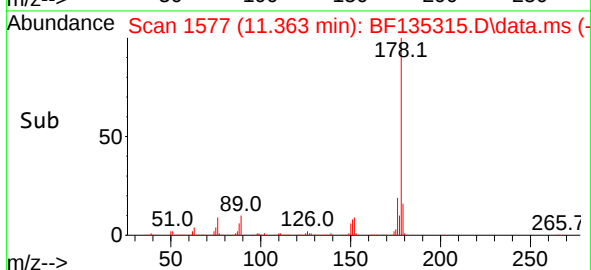
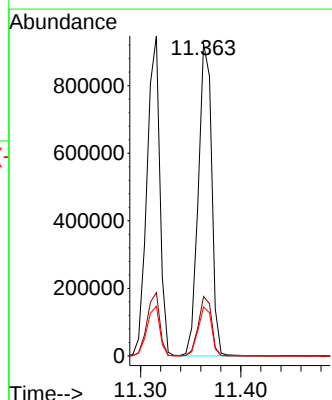
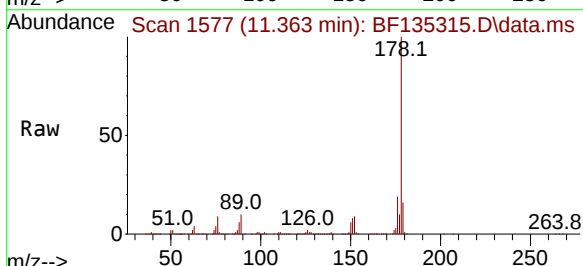
Tgt Ion:178 Resp: 859283

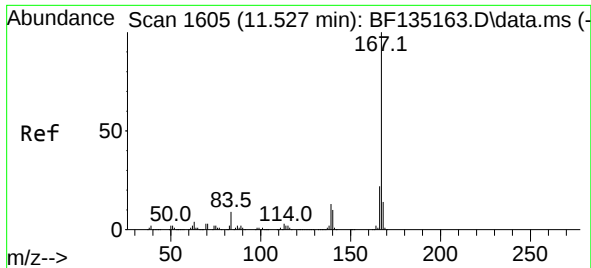
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.7 12.6 19.0





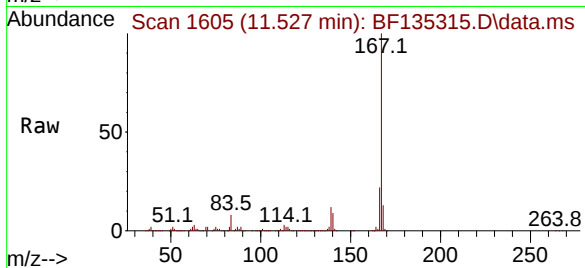
#73
 Carbazole
 Concen: 46.624 ng
 RT: 11.527 min Scan# 1605
 Delta R.T. 0.000 min
 Lab File: BF135315.D
 Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS



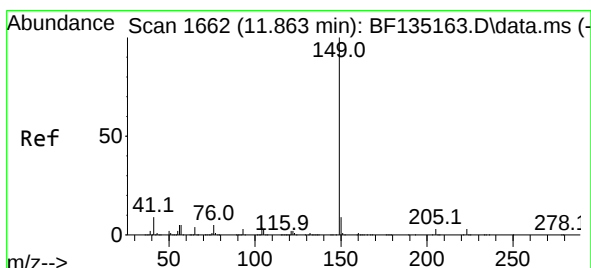
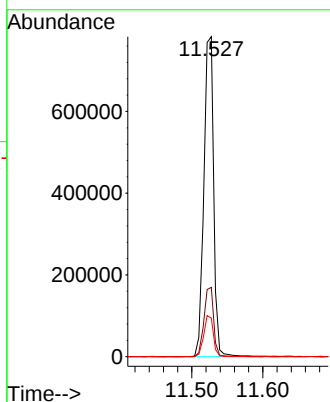
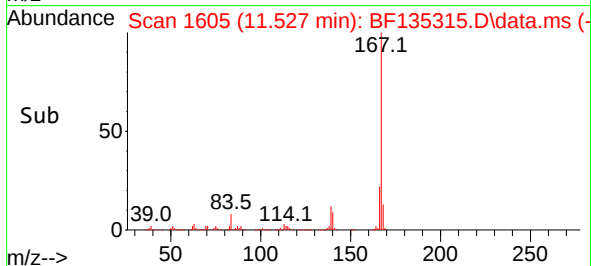
Tgt Ion:167 Resp: 753458
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.0
 139 12.0 10.6 15.8

Manual Integrations

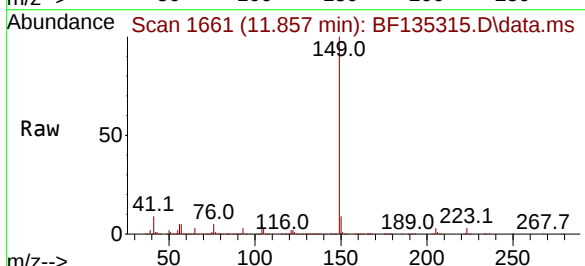
APPROVED

Reviewed By :Yogesh Patel 09/19/2023

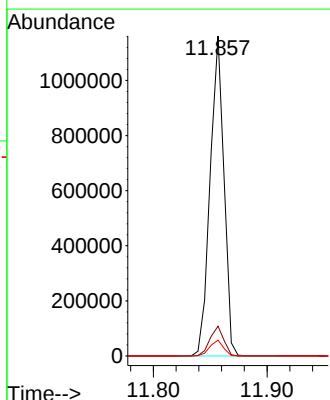
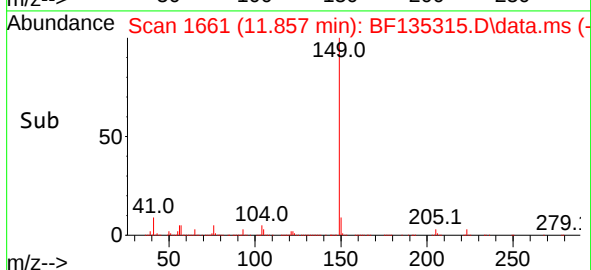
Supervised By :mohammad ahmed 09/19/2023

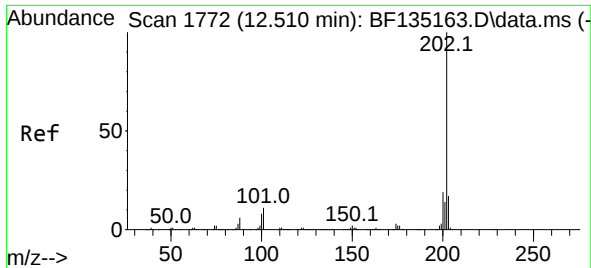


#74
 Di-n-butylphthalate
 Concen: 51.537 ng
 RT: 11.857 min Scan# 1661
 Delta R.T. -0.006 min
 Lab File: BF135315.D
 Acq: 18 Sep 2023 19:45



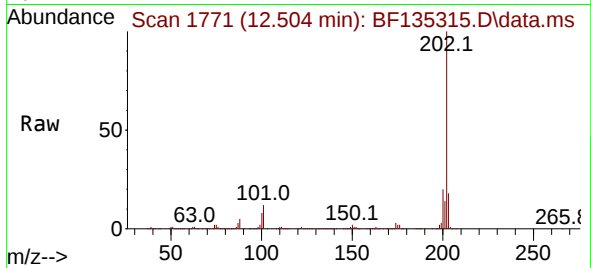
Tgt Ion:149 Resp: 981391
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.0
 104 4.9 3.6 5.4





#75
Fluoranthene
Concen: 41.357 ng
RT: 12.504 min Scan# 1771
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

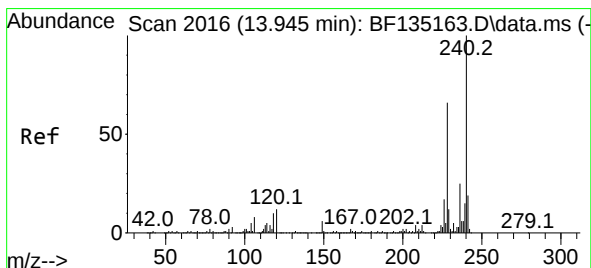
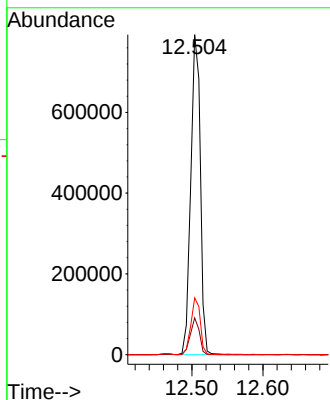
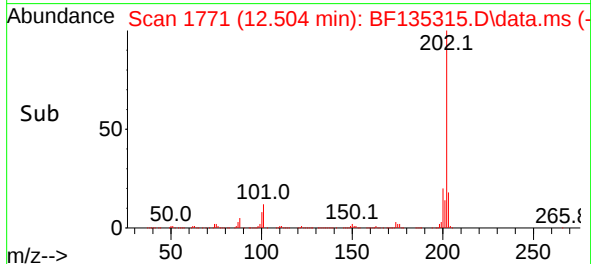
Instrument :
BNA_F
ClientSampleId :
72-11930MS



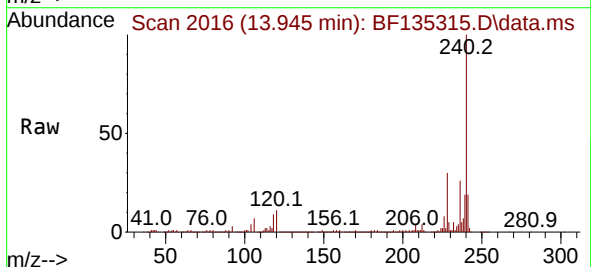
Tgt Ion:202 Resp: 744259
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.3
203 17.7 0.0 37.4

Manual Integrations
APPROVED

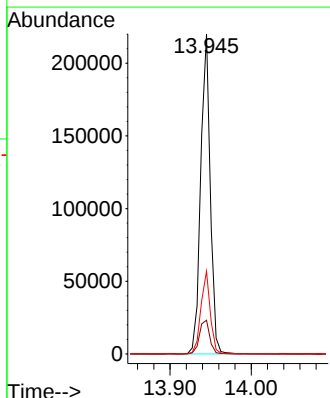
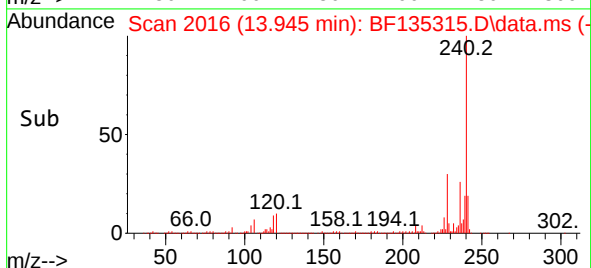
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

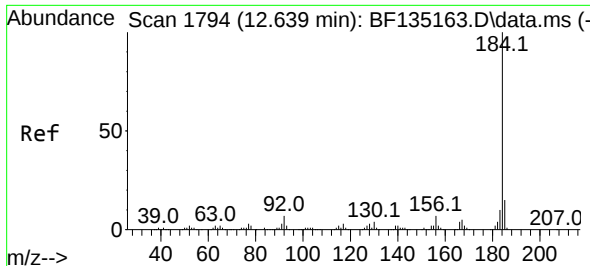


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45



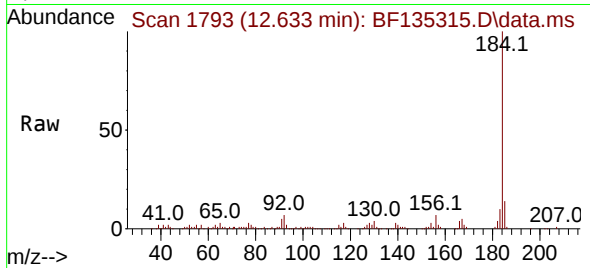
Tgt Ion:240 Resp: 179963
Ion Ratio Lower Upper
240 100
120 10.5 9.4 14.2
236 25.9 19.8 29.8





#77
Benzidine
Concen: 22.532 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

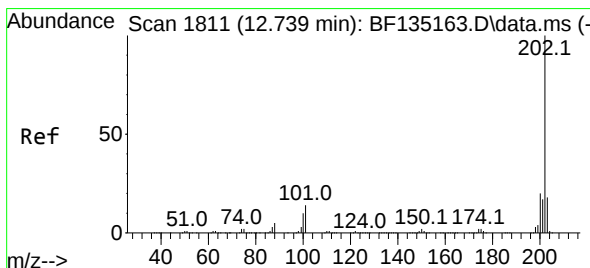
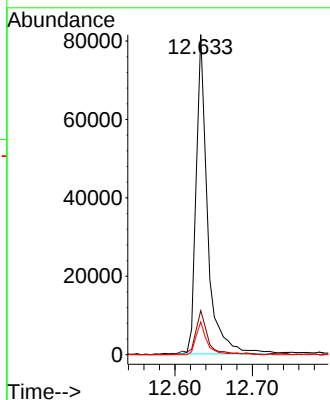
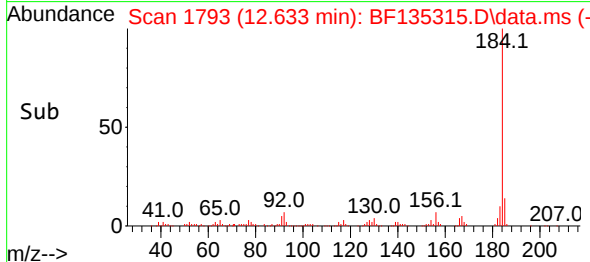
Instrument :
BNA_F
ClientSampleId :
72-11930MS



Tgt Ion:184 Resp: 83074
Ion Ratio Lower Upper
184 100
185 13.8 11.7 17.5
183 10.3 8.2 12.4

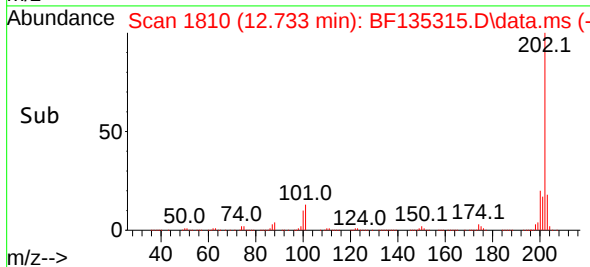
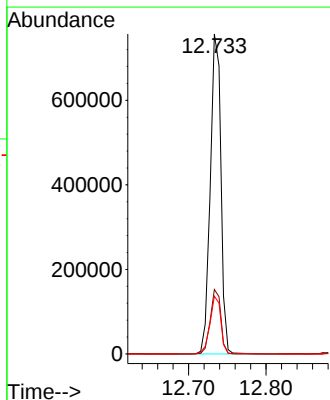
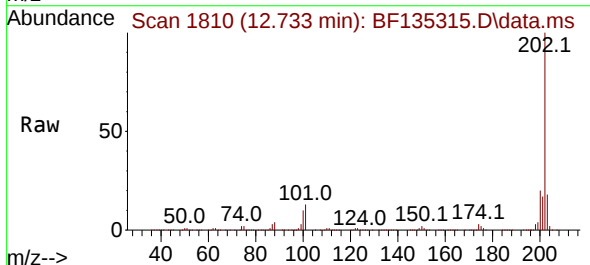
Manual Integrations
APPROVED

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



#78
Pyrene
Concen: 42.077 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Tgt Ion:202 Resp: 720939
Ion Ratio Lower Upper
202 100
200 20.1 16.2 24.2
203 18.0 14.2 21.4





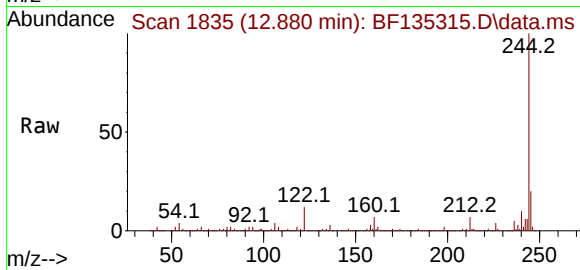
#79
 Terphenyl-d14
 Concen: 78.071 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF135315.D
 Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS



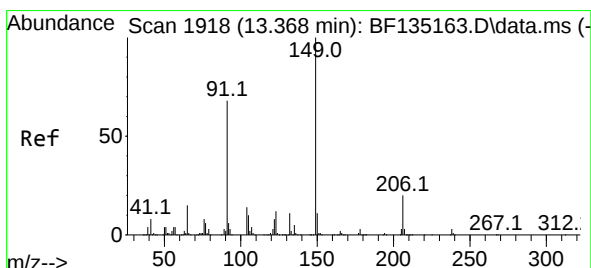
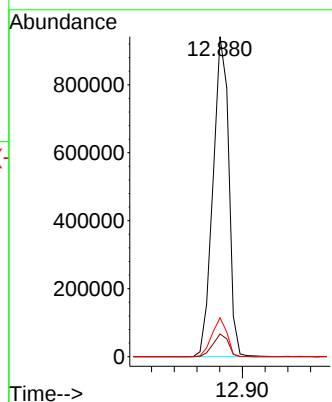
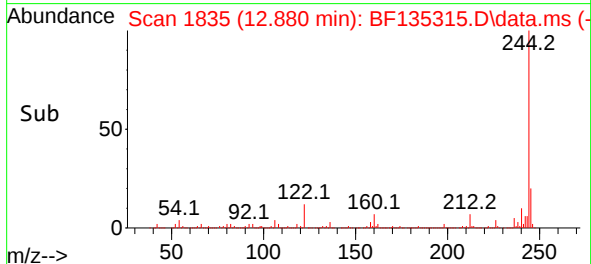
Tgt Ion:244 Resp: 906329
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.1 7.7
 122 12.2 7.9 11.9

Manual Integrations

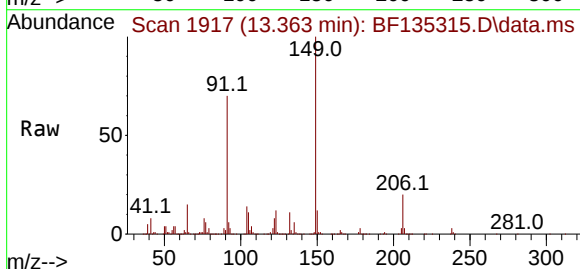
APPROVED

Reviewed By :Yogesh Patel 09/19/2023

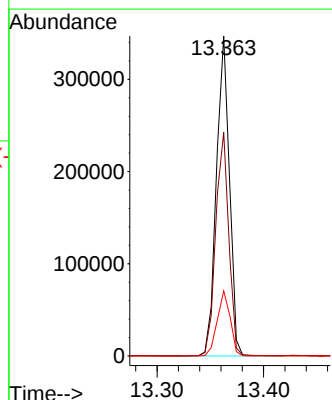
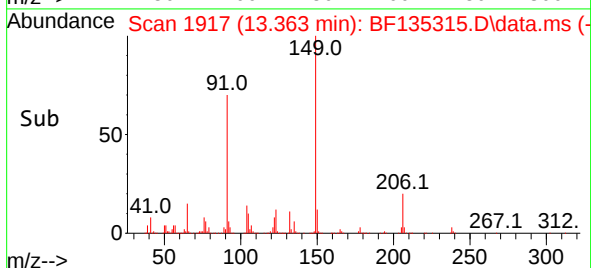
Supervised By :mohammad ahmed 09/19/2023

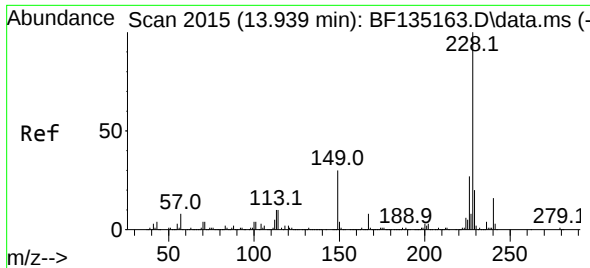


#80
 Butylbenzylphthalate
 Concen: 48.549 ng
 RT: 13.363 min Scan# 1917
 Delta R.T. -0.006 min
 Lab File: BF135315.D
 Acq: 18 Sep 2023 19:45



Tgt Ion:149 Resp: 292872
 Ion Ratio Lower Upper
 149 100
 91 69.9 54.7 82.1
 206 20.3 16.3 24.5





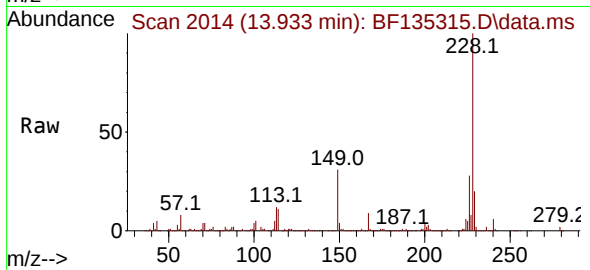
#81
Benzo(a)anthracene
Concen: 47.660 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS

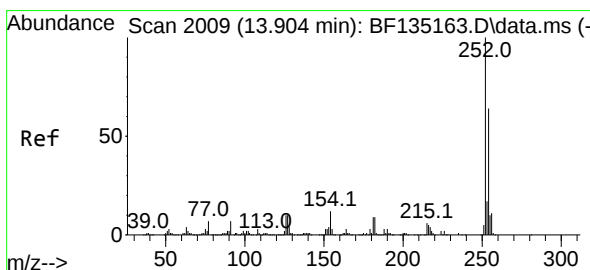
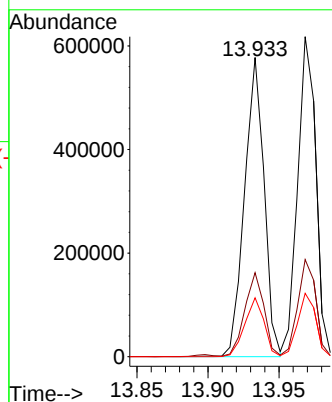
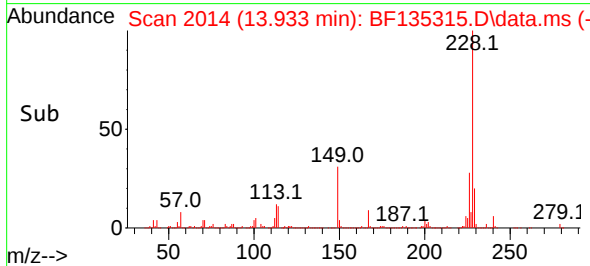


Tgt Ion:228 Resp: 553839
Ion Ratio Lower Upper
228 100
226 28.1 21.7 32.5
229 19.7 15.8 23.8

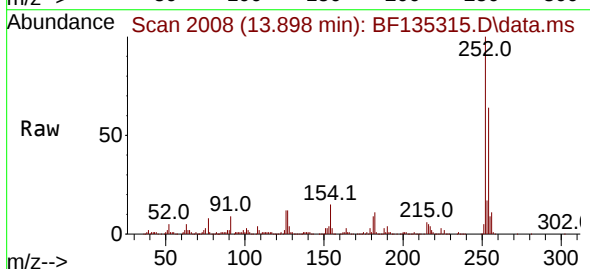
Manual Integrations

APPROVED

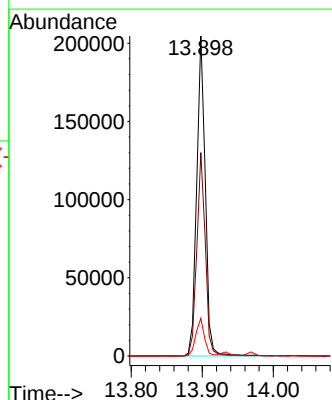
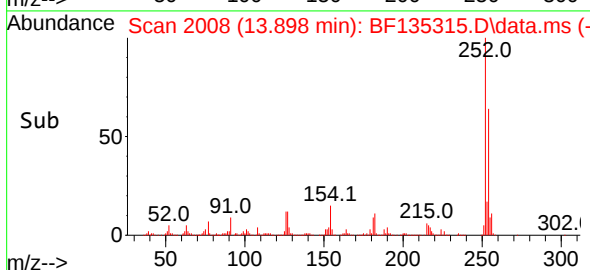
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

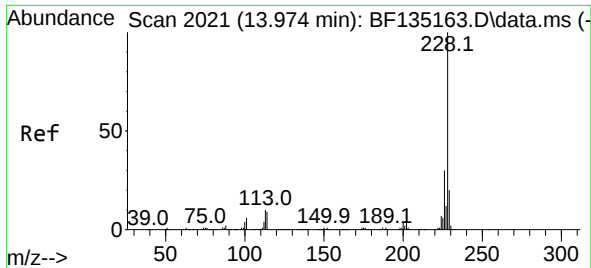


#82
3,3'-Dichlorobenzidine
Concen: 47.739 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45



Tgt Ion:252 Resp: 173281
Ion Ratio Lower Upper
252 100
254 63.6 51.0 76.4
126 11.7 7.8 11.8





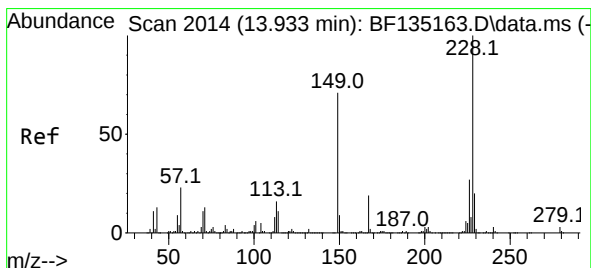
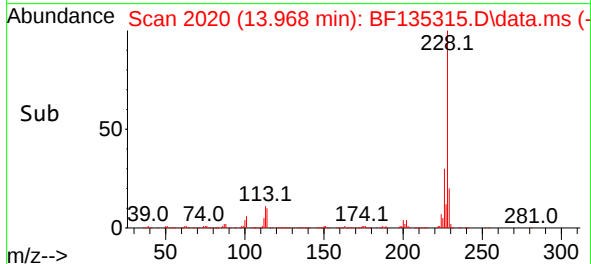
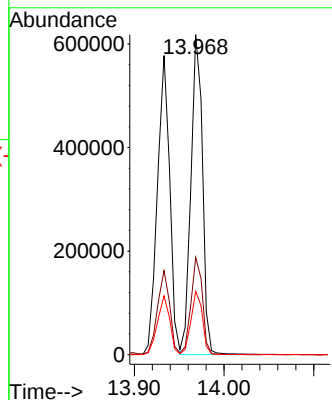
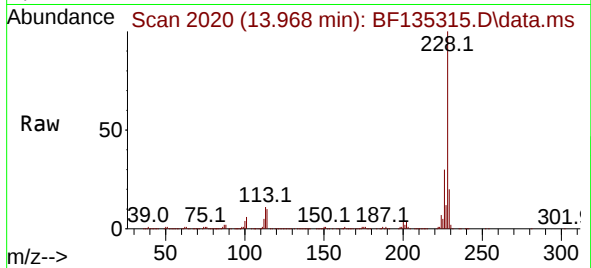
#83
Chrysene
Concen: 47.939 ng
RT: 13.968 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :
BNA_F
ClientSampleId :
72-11930MS

Tgt Ion:228 Resp: 55387
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 19.8 16.0 24.0

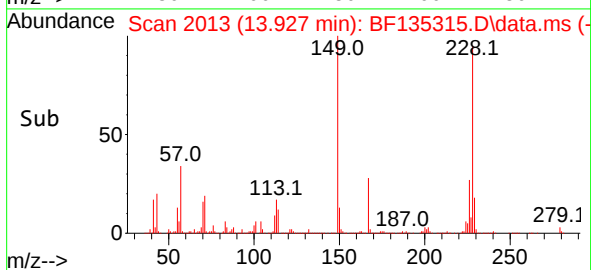
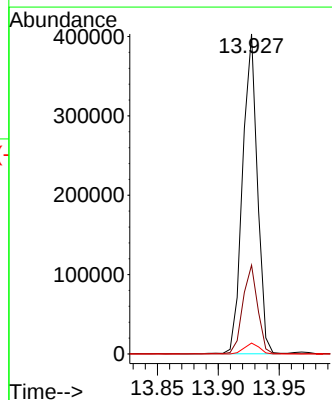
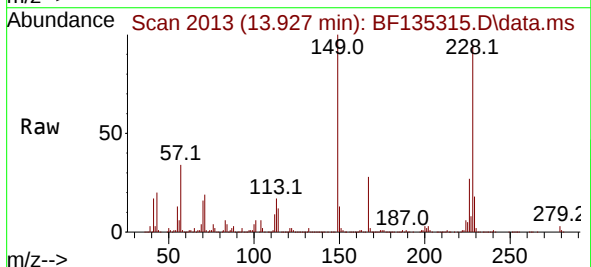
Manual Integrations
APPROVED

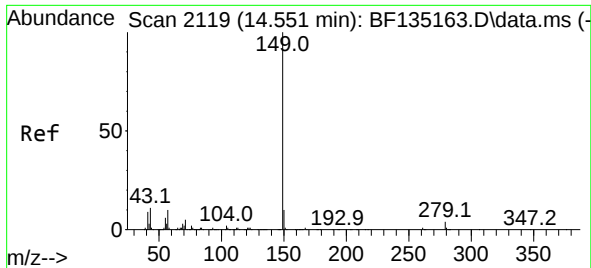
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 55.229 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Tgt Ion:149 Resp: 341892
Ion Ratio Lower Upper
149 100
167 27.8 21.9 32.9
279 3.4 3.3 4.9





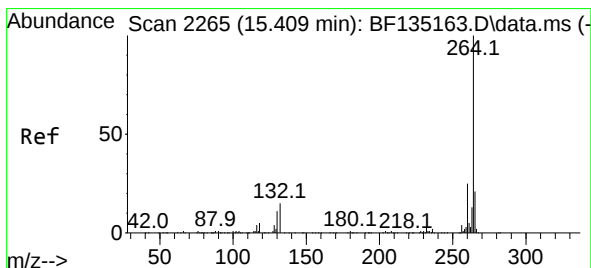
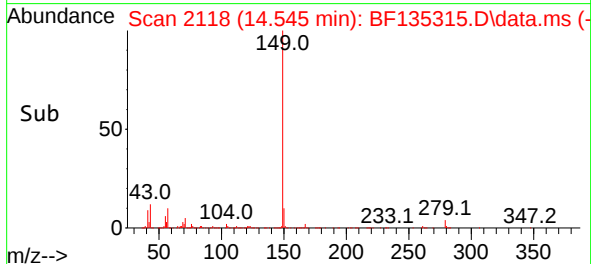
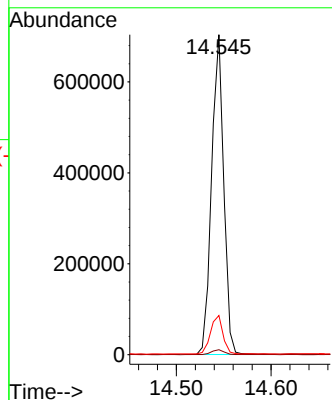
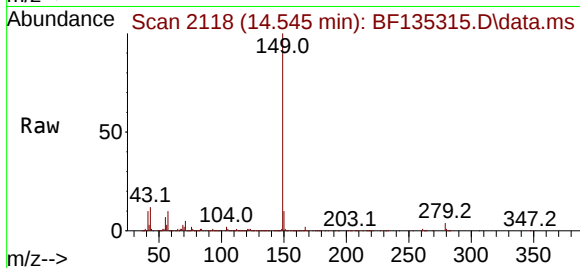
#85
Di-n-octyl phthalate
Concen: 63.501 ng
RT: 14.545 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Instrument :
BNA_F
ClientSampleId :
72-11930MS

Tgt Ion:149 Resp: 624708
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 12.2 9.8 14.6

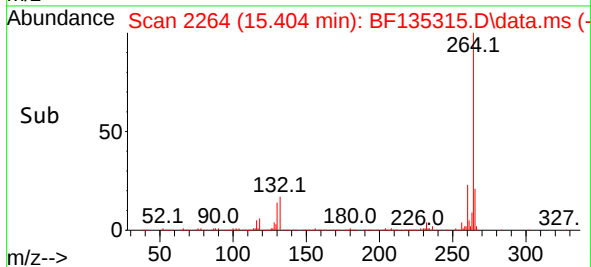
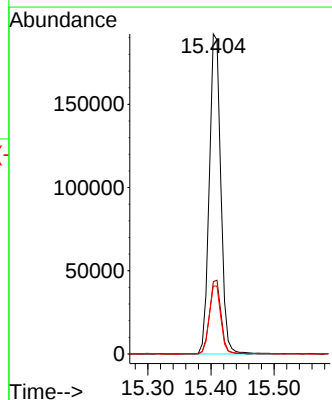
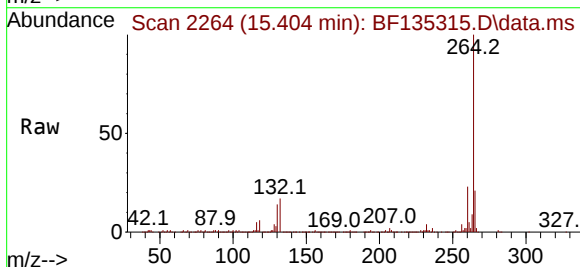
Manual Integrations
APPROVED

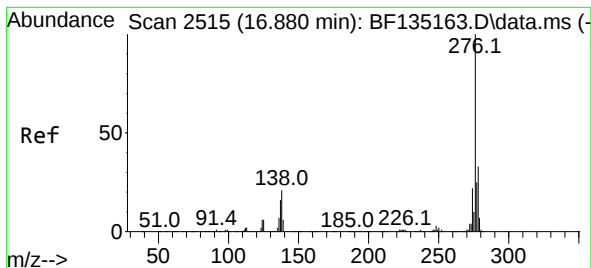
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

Tgt Ion:264 Resp: 242619
Ion Ratio Lower Upper
264 100
260 22.6 19.8 29.6
265 21.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.314 ng

RT: 16.886 min Scan# 2193

Delta R.T. 0.006 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS

Tgt Ion:276 Resp: 593580

Ion Ratio Lower Upper

276 100

138 25.1 19.2 28.8

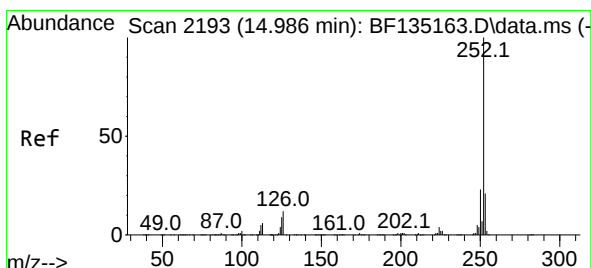
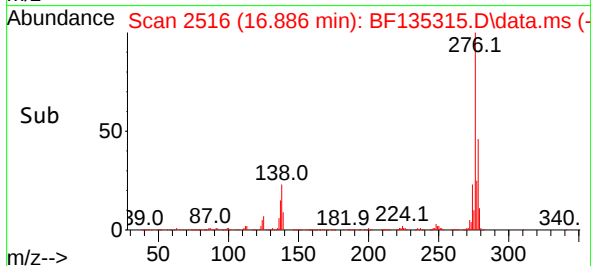
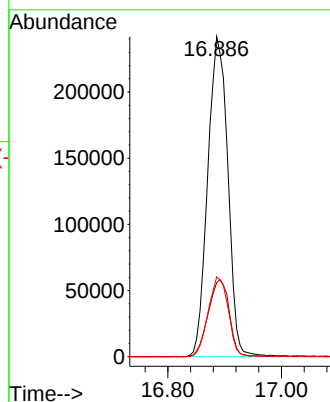
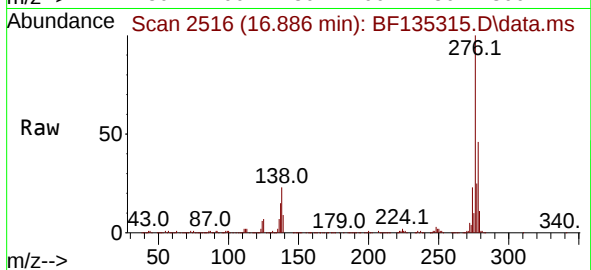
277 24.8 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#88

Benzo(b)fluoranthene

Concen: 49.374 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

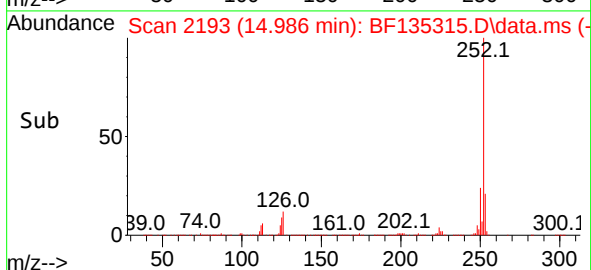
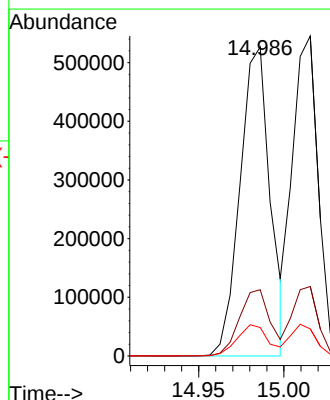
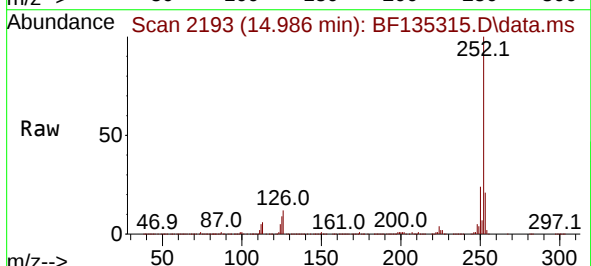
Tgt Ion:252 Resp: 648470

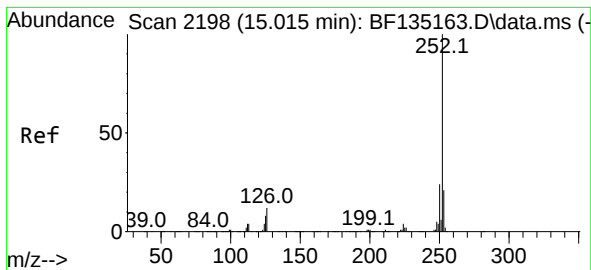
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 9.2 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 44.605 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF135315.D

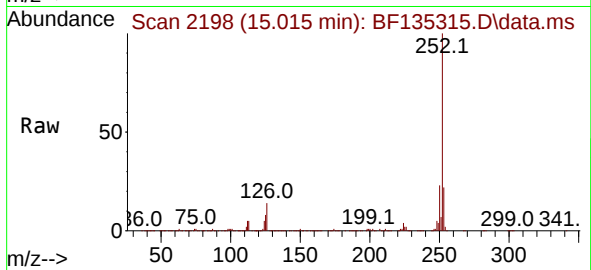
Acq: 18 Sep 2023 19:45

Instrument :

BNA_F

ClientSampleId :

72-11930MS



Tgt Ion:252 Resp: 578690

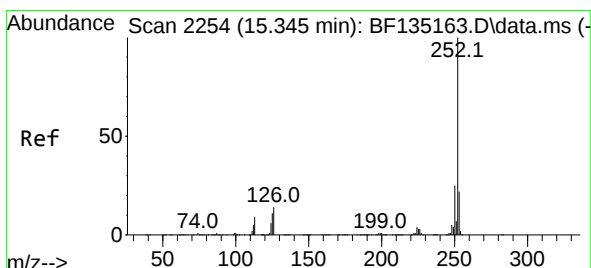
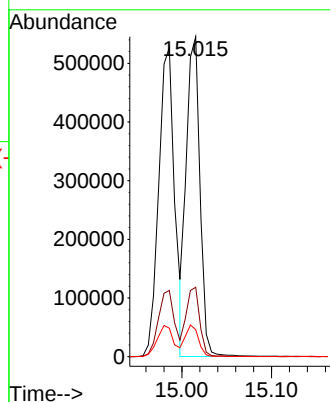
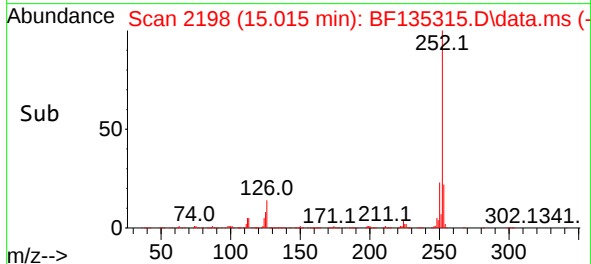
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	8.5	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#90

Benzo(a)pyrene

Concen: 45.974 ng

RT: 15.351 min Scan# 2255

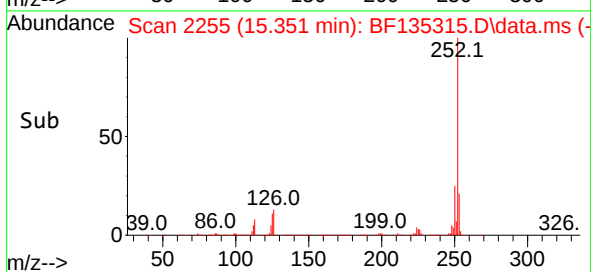
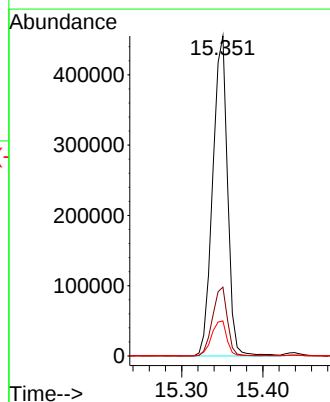
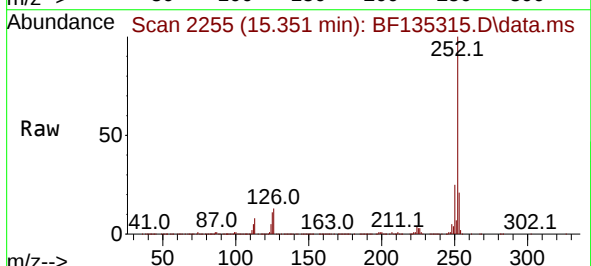
Delta R.T. 0.006 min

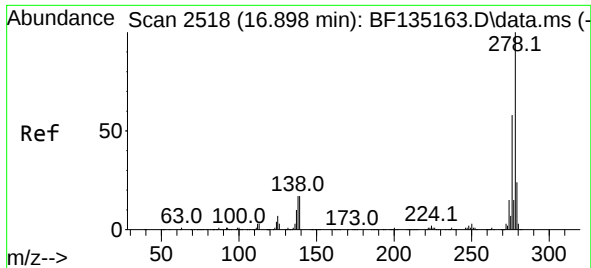
Lab File: BF135315.D

Acq: 18 Sep 2023 19:45

Tgt Ion:252 Resp: 575816

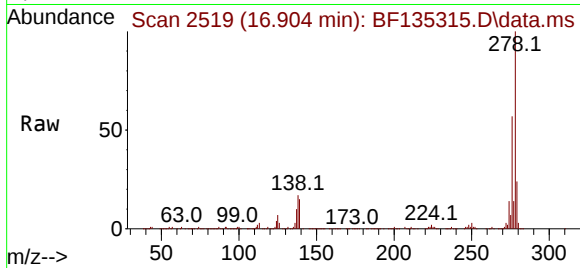
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.9	9.2	13.8





#91
Dibenzo(a,h)anthracene
Concen: 38.105 ng
RT: 16.904 min Scan# 2518
Delta R.T. 0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45

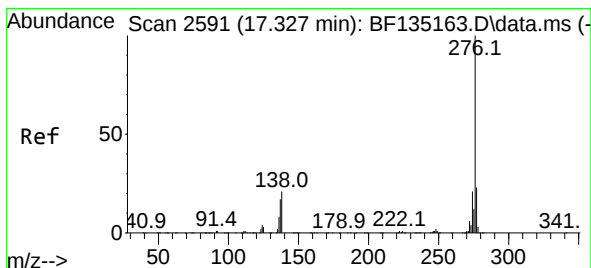
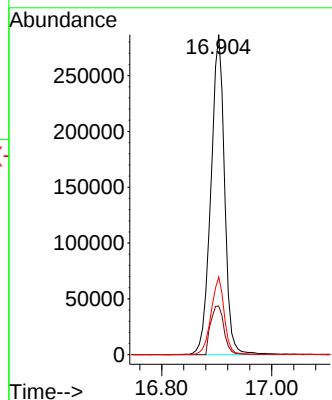
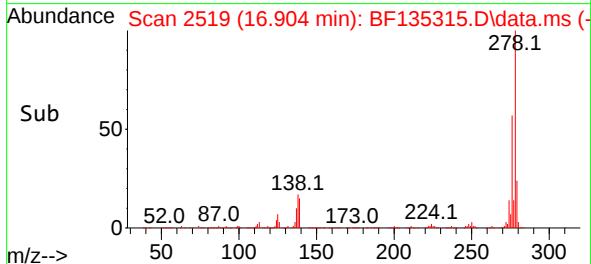
Instrument :
BNA_F
ClientSampleId :
72-11930MS



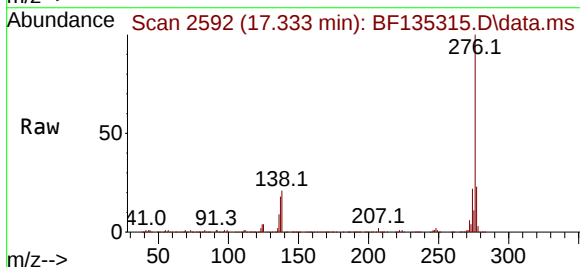
Tgt Ion:278 Resp: 495979
Ion Ratio Lower Upper
278 100
139 15.2 13.4 20.0
279 24.2 19.0 28.6

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 32.615 ng
RT: 17.333 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF135315.D
Acq: 18 Sep 2023 19:45



Tgt Ion:276 Resp: 443351
Ion Ratio Lower Upper
276 100
277 23.5 18.8 28.2
138 21.0 16.9 25.3

