

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091924\
 Data File : BF139459.D
 Acq On : 19 Sep 2024 12:29
 Operator : RC/JU
 Sample : PB163495BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB163495BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/21/2024
 Supervised By :mohammad ahmed 09/22/2024

Quant Time: Sep 19 13:07:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	80251	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	296621	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	163149	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	293302	20.000	ng	0.00
76) Chrysene-d12	14.033	240	152717	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	151644	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	577104	117.314	ng	0.02
7) Phenol-d6	6.510	99	757587	117.329	ng	0.00
23) Nitrobenzene-d5	7.445	82	510924	80.976	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	203776	117.320	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	939769	80.788	ng	0.00
79) Terphenyl-d14	12.980	244	872565	93.783	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.781	88	71417	36.185	ng	98
3) Pyridine	3.516	79	187309	43.045	ng	97
4) n-Nitrosodimethylamine	3.481	42	148252	39.307	ng	88
6) Aniline	6.540	93	216303	44.390	ng	# 77
8) 2-Chlorophenol	6.663	128	219412	43.329	ng	98
9) Benzaldehyde	6.428	77	45642	12.235	ng	97
10) Phenol	6.528	94	281456	42.799	ng	93
11) bis(2-Chloroethyl)ether	6.616	93	210788	42.172	ng	100
12) 1,3-Dichlorobenzene	6.822	146	234136	40.656	ng	98
13) 1,4-Dichlorobenzene	6.898	146	241007	41.413	ng	98
14) 1,2-Dichlorobenzene	7.045	146	227457	41.363	ng	99
15) Benzyl Alcohol	7.022	79	217502	42.221	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	387616	50.320	ng	99
17) 2-Methylphenol	7.134	107	177854	44.207	ng	98
18) Hexachloroethane	7.392	117	90144	40.667	ng	96
19) n-Nitroso-di-n-propyla...	7.292	70	170692	44.610	ng	99
20) 3+4-Methylphenols	7.287	107	229551	41.820	ng	# 90
22) Acetophenone	7.287	105	314311	40.532	ng	98
24) Nitrobenzene	7.463	77	258555	39.815	ng	98
25) Isophorone	7.698	82	447480	44.844	ng	99
26) 2-Nitrophenol	7.775	139	115001	45.455	ng	96
27) 2,4-Dimethylphenol	7.810	122	179369	53.747	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	256666	45.132	ng	98
29) 2,4-Dichlorophenol	8.016	162	182267	42.992	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	198597	40.203	ng	98
31) Naphthalene	8.181	128	650602	42.014	ng	99
32) Benzoic acid	7.934	122	118902	38.072	ng	95
33) 4-Chloroaniline	8.228	127	112904	23.833	ng	99
34) Hexachlorobutadiene	8.298	225	134661	40.124	ng	99
35) Caprolactam	8.604	113	57013m	43.716	ng	
36) 4-Chloro-3-methylphenol	8.716	107	209186	43.173	ng	96
37) 2-Methylnaphthalene	8.875	142	419315	42.661	ng	99
38) 1-Methylnaphthalene	8.975	142	396071	41.044	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	205528	42.506	ng	98
41) Hexachlorocyclopentadiene	9.028	237	251010	148.680	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	139389	44.310	ng	99

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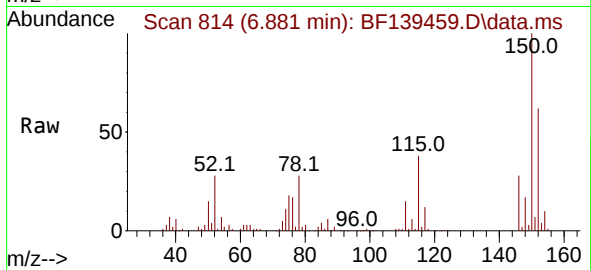
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	140611	42.375	ng	99
46) 1,1'-Biphenyl	9.339	154	530743	42.285	ng	100
47) 2-Chloronaphthalene	9.363	162	392175	41.789	ng	99
48) 2-Nitroaniline	9.457	65	150390	43.084	ng	98
49) Acenaphthylene	9.780	152	651561	46.122	ng	100
50) Dimethylphthalate	9.639	163	472461	44.121	ng	99
51) 2,6-Dinitrotoluene	9.698	165	99908	42.116	ng	99
52) Acenaphthene	9.951	154	467378	47.404	ng	99
53) 3-Nitroaniline	9.869	138	67133	28.317	ng	90
54) 2,4-Dinitrophenol	9.975	184	118126	89.365	ng	90
55) Dibenzofuran	10.122	168	589854	42.923	ng	97
56) 4-Nitrophenol	10.033	139	154867	78.947	ng	85
57) 2,4-Dinitrotoluene	10.104	165	139976	43.706	ng	97
58) Fluorene	10.463	166	470217	41.937	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	120736	43.985	ng	98
60) Diethylphthalate	10.333	149	477448	43.206	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	228294	41.895	ng	95
62) 4-Nitroaniline	10.480	138	99080	38.293	ng	93
63) Azobenzene	10.616	77	472342	43.459	ng	96
65) 4,6-Dinitro-2-methylph...	10.510	198	74257	47.969	ng	97
66) n-Nitrosodiphenylamine	10.575	169	393779	45.921	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	132236	45.496	ng	98
68) Hexachlorobenzene	11.010	284	150238	44.043	ng	99
69) Atrazine	11.098	200	127998	62.699	ng	99
70) Pentachlorophenol	11.204	266	166873	81.526	ng	99
71) Phenanthrene	11.427	178	631453	44.624	ng	99
72) Anthracene	11.474	178	645281	46.640	ng	99
73) Carbazole	11.633	167	566920	42.813	ng	98
74) Di-n-butylphthalate	11.957	149	665512	45.117	ng	100
75) Fluoranthene	12.610	202	617874	40.887	ng	98
77) Benzidine	12.733	184	145346	66.429	ng	99
78) Pyrene	12.839	202	633282	48.295	ng	100
80) Butylbenzylphthalate	13.457	149	220070	49.306	ng	97
81) Benzo(a)anthracene	14.027	228	473435	46.801	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	101358	34.214	ng	98
83) Chrysene	14.063	228	424493	45.611	ng	100
84) Bis(2-ethylhexyl)phtha...	14.010	149	279300	49.190	ng	100
85) Di-n-octyl phthalate	14.621	149	426579	51.014	ng	99
87) Indeno(1,2,3-cd)pyrene	16.980	276	423483	46.964	ng	98
88) Benzo(b)fluoranthene	15.074	252	444513	47.529	ng	99
89) Benzo(k)fluoranthene	15.104	252	357014	41.402	ng	98
90) Benzo(a)pyrene	15.445	252	378795	48.836	ng	100
91) Dibenzo(a,h)anthracene	16.998	278	344526	46.238	ng	99
92) Benzo(g,h,i)perylene	17.427	276	317741	43.068	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

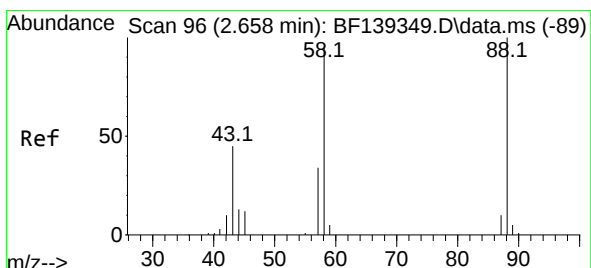
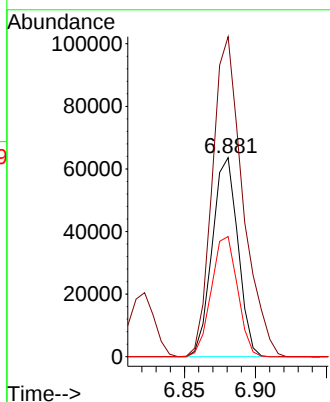
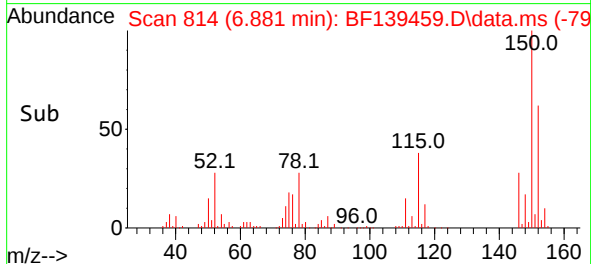
Instrument :
BNA_F
ClientSampleId :
PB163495BS



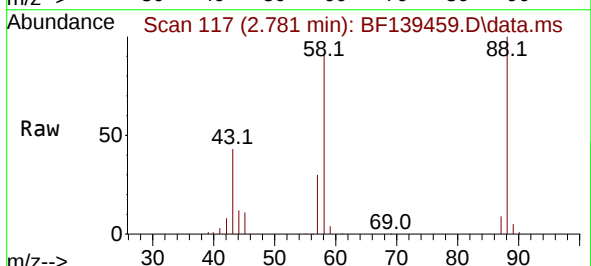
Tgt Ion:152 Resp: 8025
Ion Ratio Lower Upper
152 100
150 160.7 124.1 186.1
115 60.3 48.1 72.1

Manual Integrations
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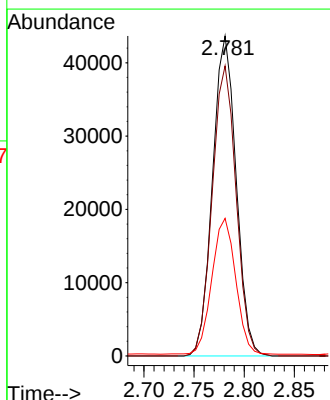
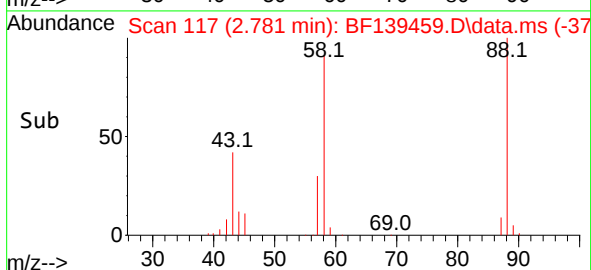
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

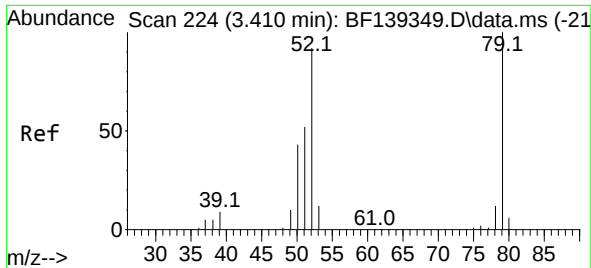


#2
1,4-Dioxane
Concen: 36.185 ng
RT: 2.781 min Scan# 117
Delta R.T. 0.123 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29



Tgt Ion: 88 Resp: 71417
Ion Ratio Lower Upper
88 100
58 91.8 74.8 112.2
43 42.9 36.4 54.6





#3

Pyridine

Concen: 43.045 ng

RT: 3.516 min Scan# 24

Delta R.T. 0.106 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

Tgt Ion: 79 Resp: 187309

Ion Ratio Lower Upper

79 100

52 94.4 73.8 110.8

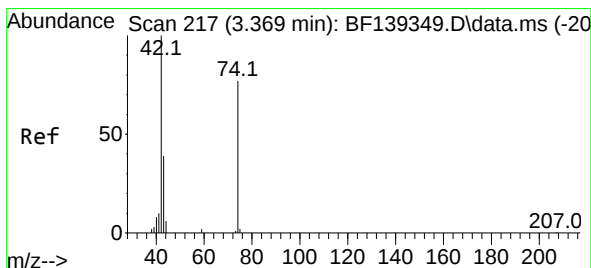
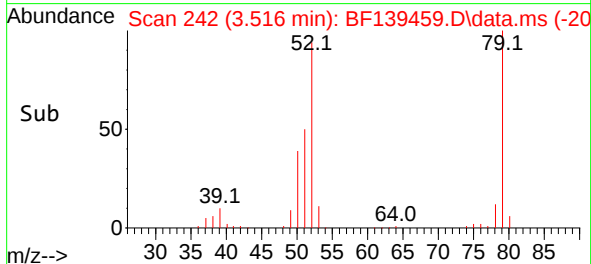
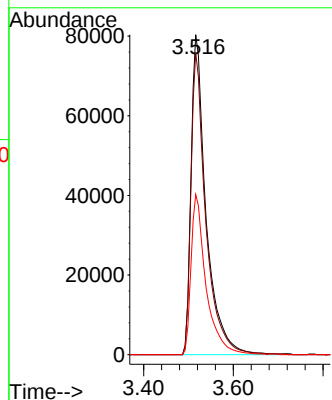
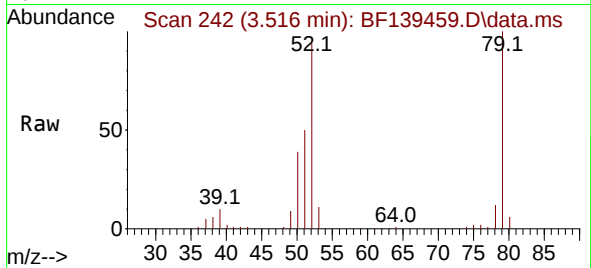
51 50.0 41.8 62.6

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Supervised By :mohammad ahmed 09/22/2024



#4

n-Nitrosodimethylamine

Concen: 39.307 ng

RT: 3.481 min Scan# 236

Delta R.T. 0.112 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

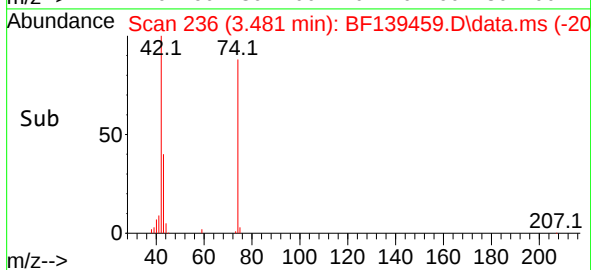
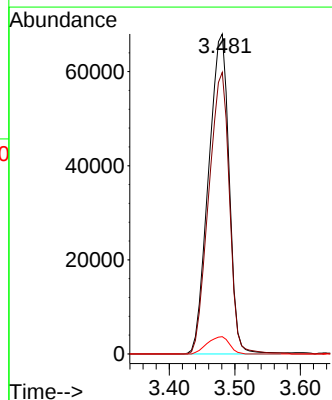
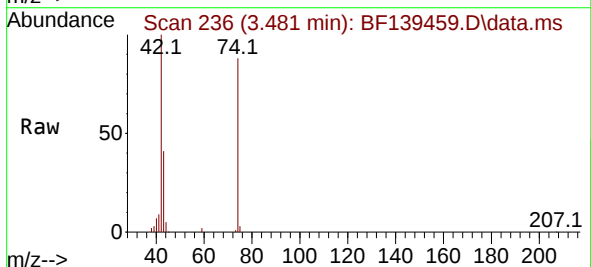
Tgt Ion: 42 Resp: 148252

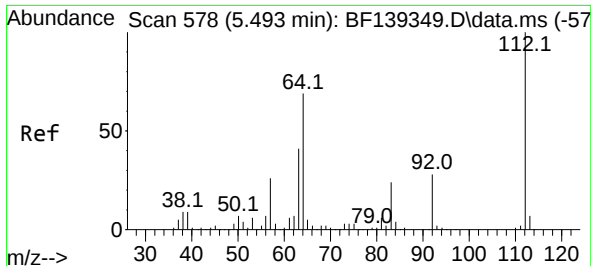
Ion Ratio Lower Upper

42 100

74 88.0 61.8 92.8

44 5.4 4.8 7.2





#5
2-Fluorophenol
Concen: 117.314 ng
RT: 5.510 min Scan# 510
Delta R.T. 0.017 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

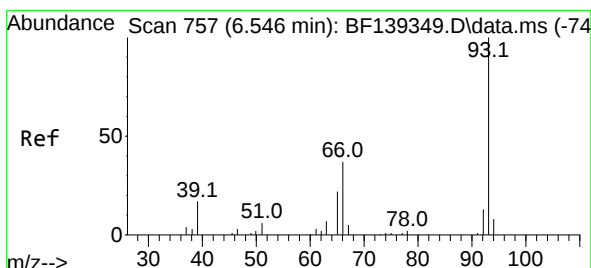
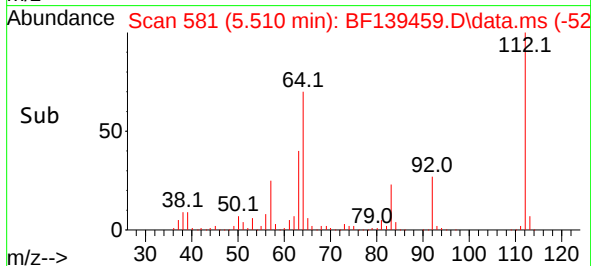
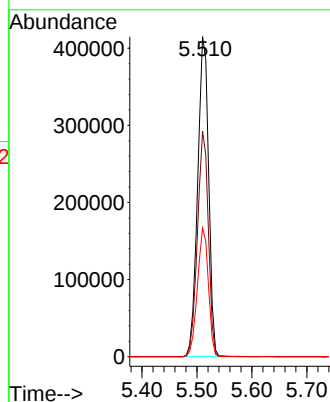
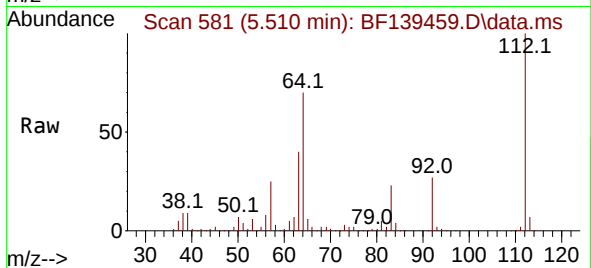
PB163495BS

Tgt Ion:112 Resp: 577104
Ion Ratio Lower Upper
112 100
64 70.5 54.8 82.2
63 40.2 33.0 49.4

Manual Integrations

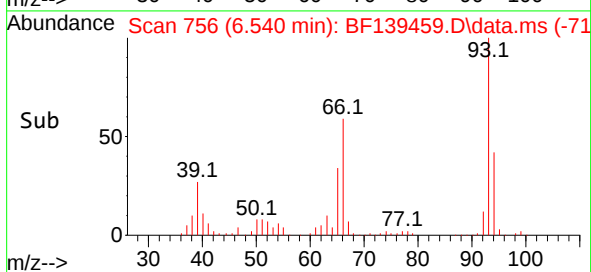
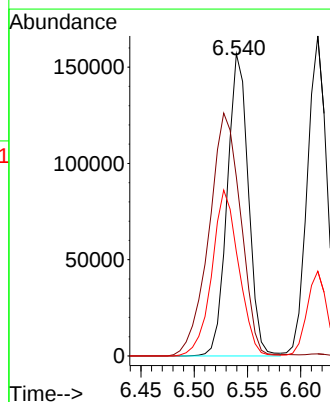
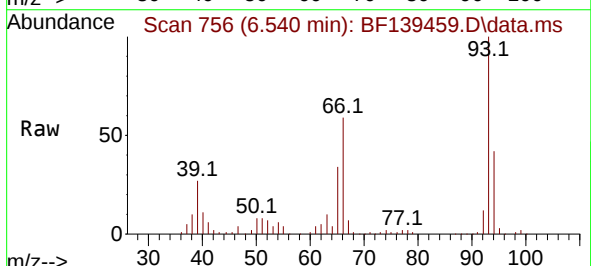
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Supervised By :mohammad ahmed 09/22/2024



#6
Aniline
Concen: 44.390 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.029 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

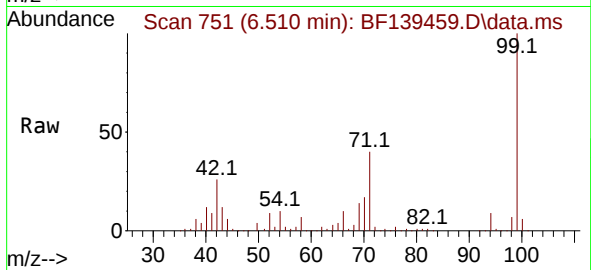
Tgt Ion: 93 Resp: 216303
Ion Ratio Lower Upper
93 100
66 59.2 35.4 53.0#
65 34.5 18.2 27.4#





#7
Phenol-d6
Concen: 117.329 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

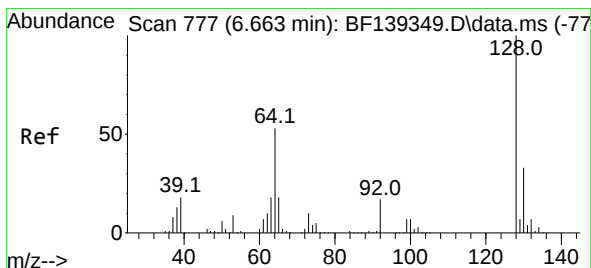
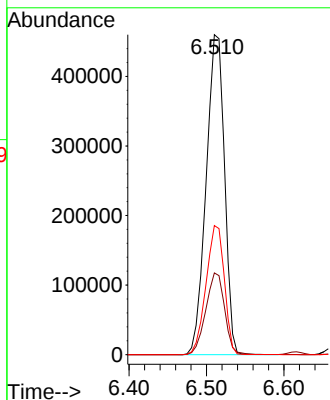
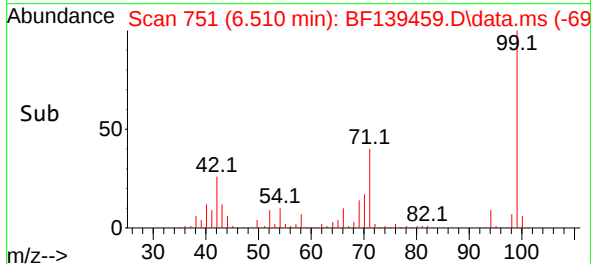
Instrument :
BNA_F
ClientSampleId :
PB163495BS



Tgt Ion: 99 Resp: 75758
Ion Ratio Lower Upper
99 100
42 25.6 21.9 32.9
71 40.4 34.6 52.0

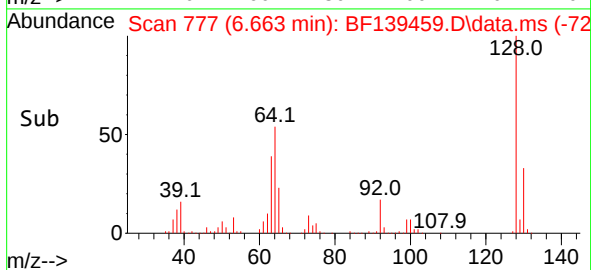
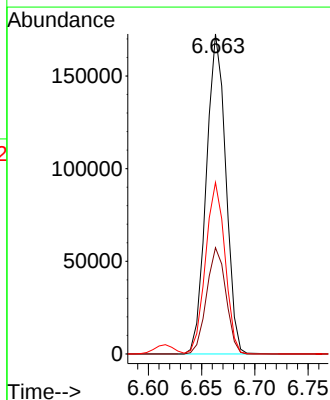
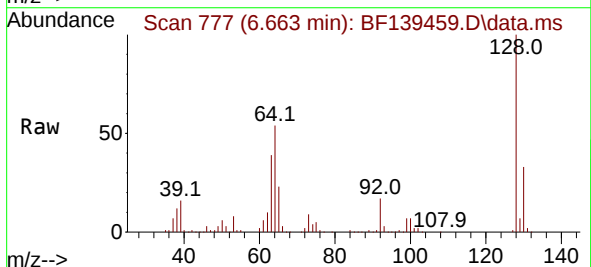
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#8
2-Chlorophenol
Concen: 43.329 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion:128 Resp: 219412
Ion Ratio Lower Upper
128 100
130 33.2 12.8 52.8
64 53.6 35.1 75.1





#9

Benzaldehyde

Concen: 12.235 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

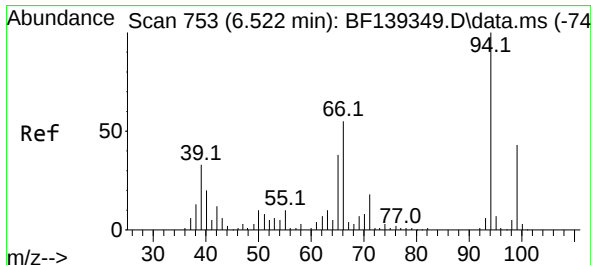
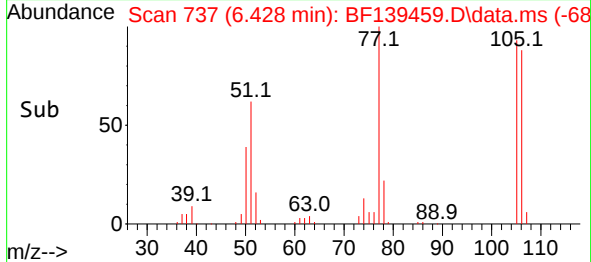
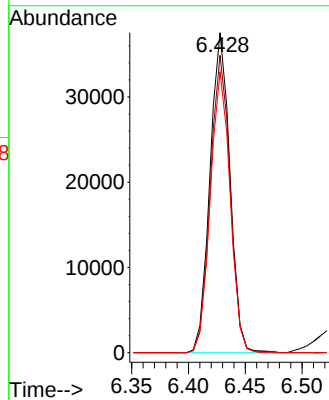
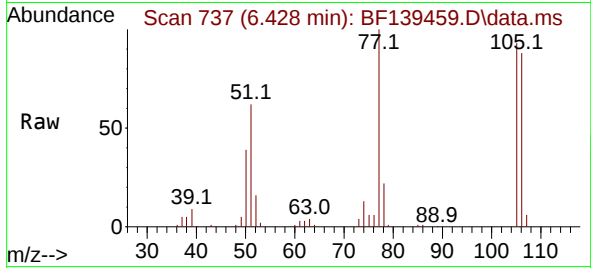
Tgt Ion: 77	Resp: 4564
Ion Ratio	Lower Upper
77	100
105	92.9 71.0 111.0
106	87.6 64.9 104.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#10

Phenol

Concen: 42.799 ng

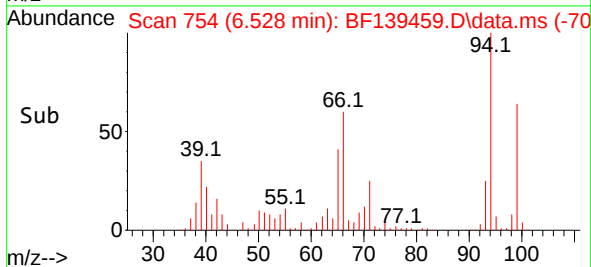
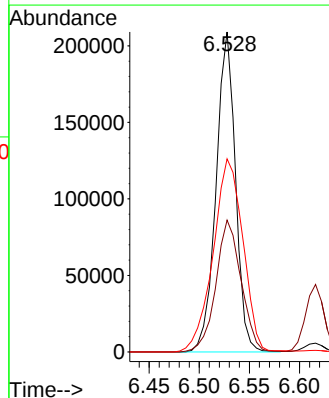
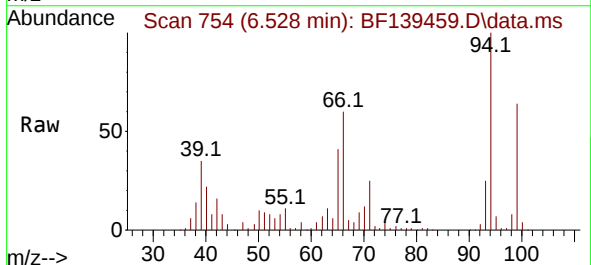
RT: 6.528 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Tgt Ion: 94	Resp: 281456
Ion Ratio	Lower Upper
94	100
65	41.2 17.6 57.6
66	60.3 35.2 75.2





#11
bis(2-Chloroethyl)ether
Concen: 42.172 ng
RT: 6.616 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

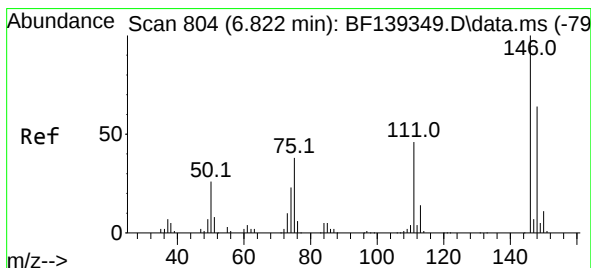
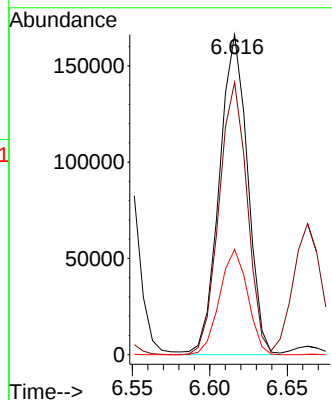
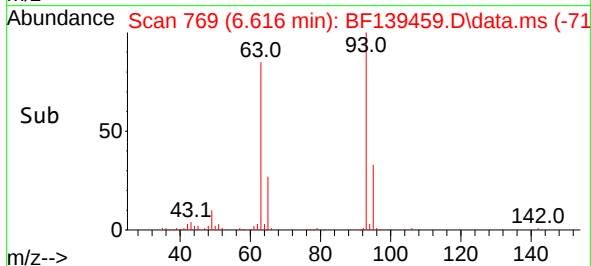
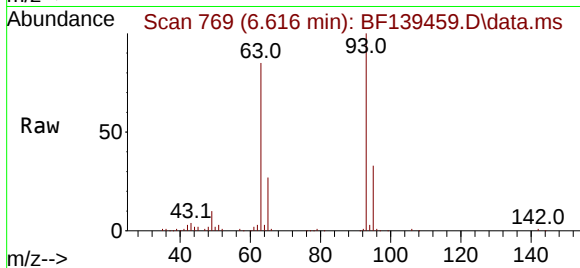
ClientSampleId :

PB163495BS

Tgt Ion: 93 Resp: 210788
Ion Ratio Lower Upper
93 100
63 85.1 65.3 105.3
95 32.9 12.4 52.4

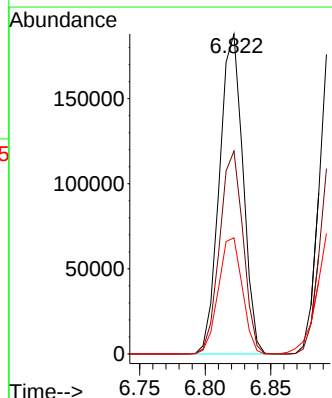
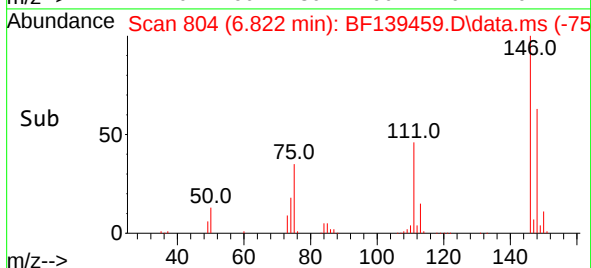
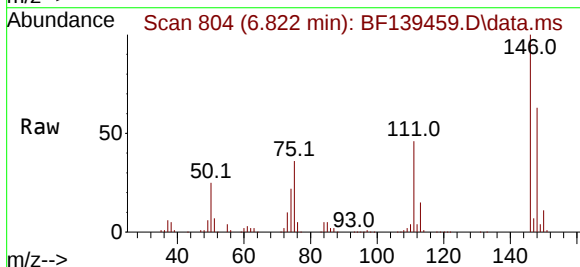
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#12
1,3-Dichlorobenzene
Concen: 40.656 ng
RT: 6.822 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion:146 Resp: 234136
Ion Ratio Lower Upper
146 100
148 63.4 51.2 76.8
75 36.3 30.6 46.0





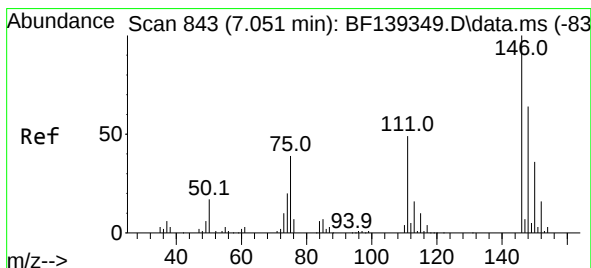
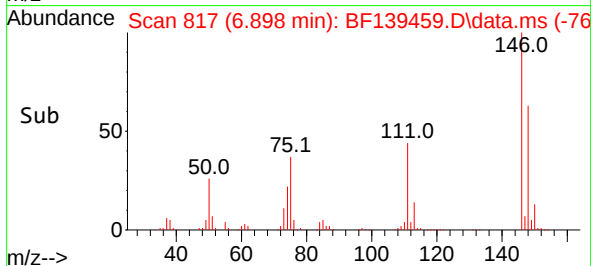
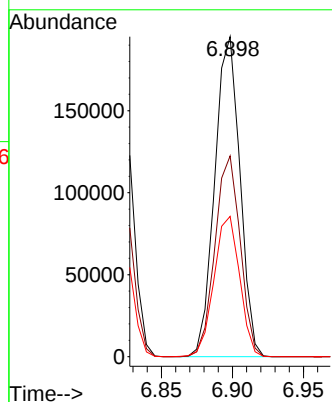
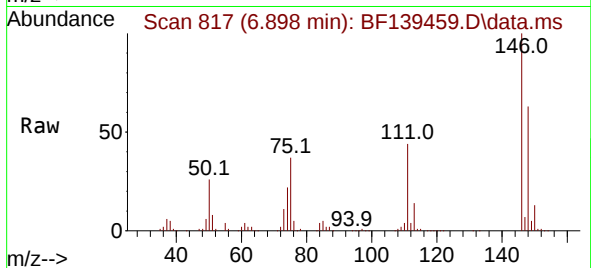
#13
1,4-Dichlorobenzene
Concen: 41.413 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :
BNA_F
ClientSampleId :
PB163495BS

Tgt Ion:146 Resp: 24100
Ion Ratio Lower Upper
146 100
148 62.8 50.9 76.3
111 43.9 36.3 54.5

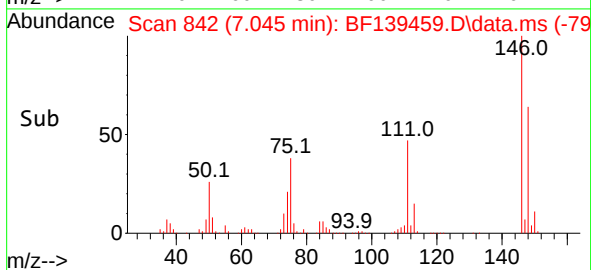
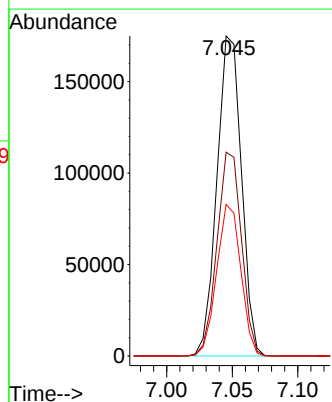
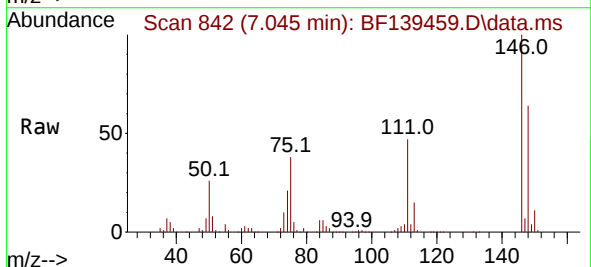
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#14
1,2-Dichlorobenzene
Concen: 41.363 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion:146 Resp: 227457
Ion Ratio Lower Upper
146 100
148 63.7 50.9 76.3
111 47.4 38.9 58.3





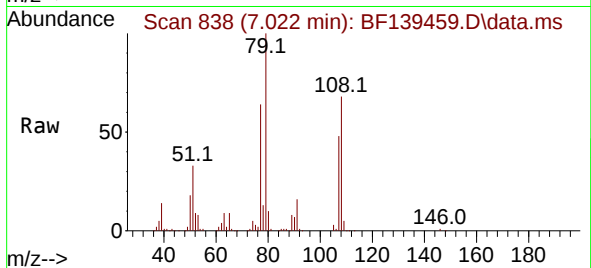
#15
Benzyl Alcohol
Concen: 42.221 ng
RT: 7.022 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

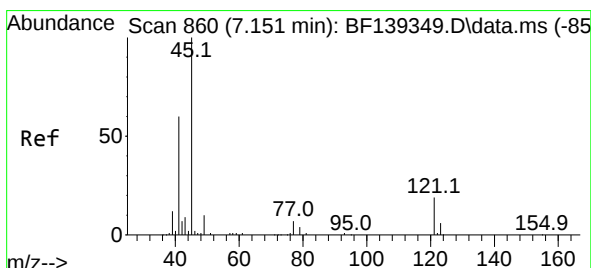
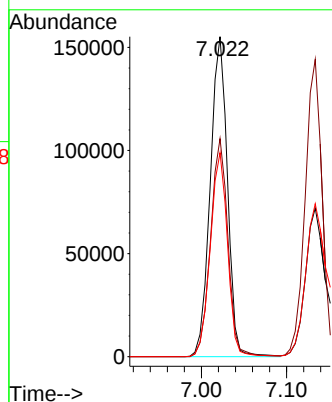
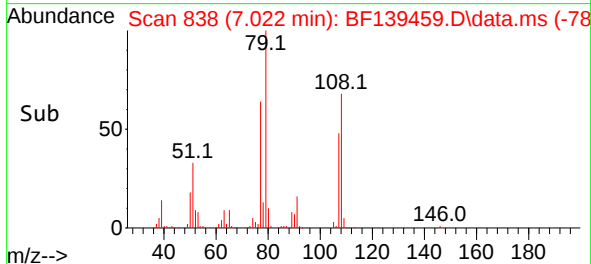
PB163495BS



Tgt Ion: 79 Resp: 217502
Ion Ratio Lower Upper
79 100
108 68.2 50.4 75.6
77 63.7 51.4 77.2

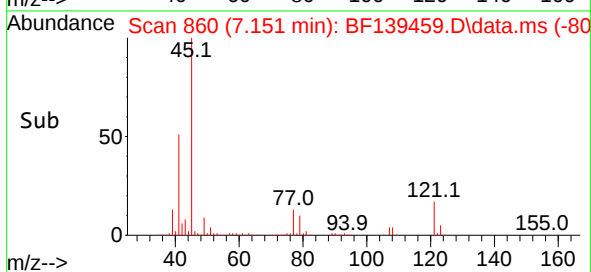
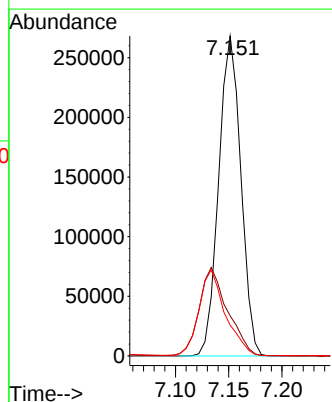
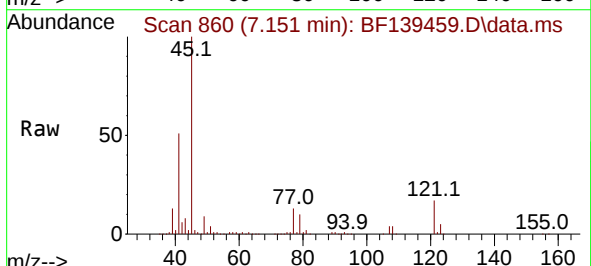
Manual Integrations
APPROVED

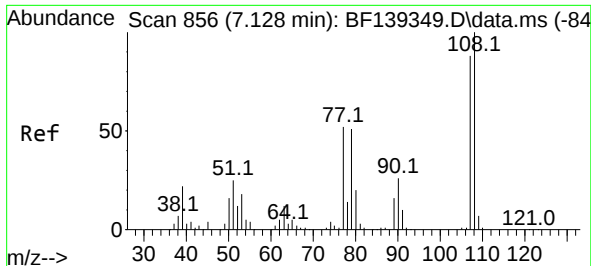
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.320 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion: 45 Resp: 387616
Ion Ratio Lower Upper
45 100
77 12.5 0.0 32.0
79 9.6 0.0 29.1





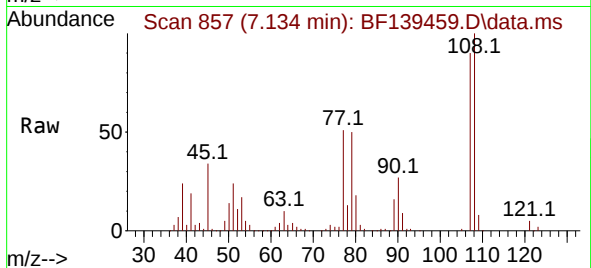
#17
2-Methylphenol
Concen: 44.207 ng
RT: 7.134 min Scan# 856
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

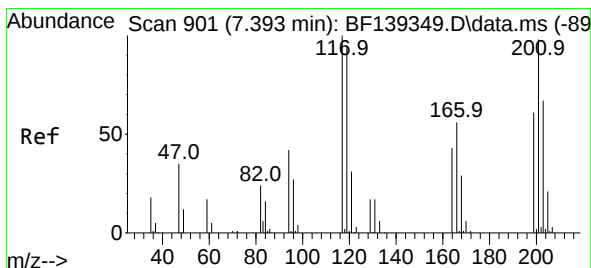
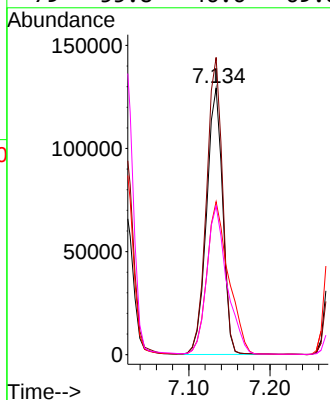
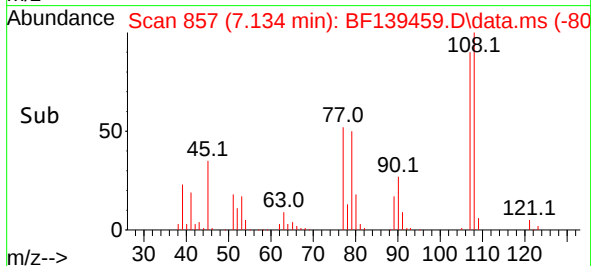


Tgt Ion:107 Resp: 177854
Ion Ratio Lower Upper
107 100
108 111.6 90.5 135.7
77 57.4 47.1 70.7
79 55.8 46.6 69.8

Manual Integrations

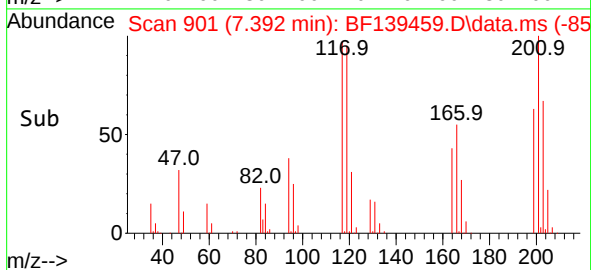
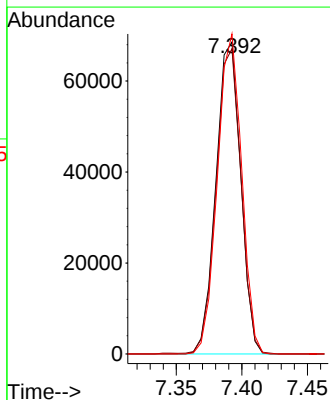
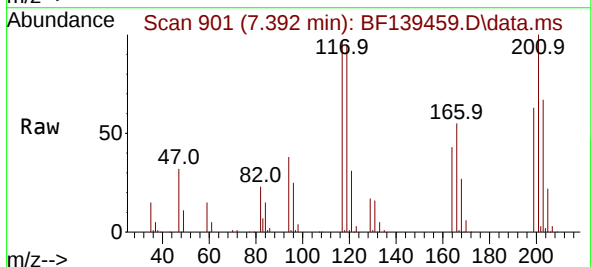
APPROVED

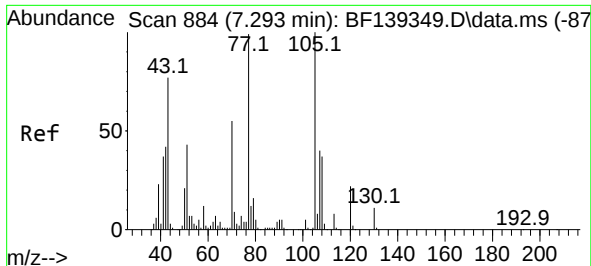
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#18
Hexachloroethane
Concen: 40.667 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion:117 Resp: 90144
Ion Ratio Lower Upper
117 100
119 97.9 75.8 113.8
201 102.6 78.6 118.0





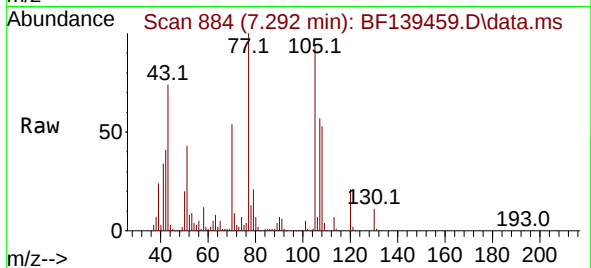
#19
n-Nitroso-di-n-propylamine
Concen: 44.610 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS



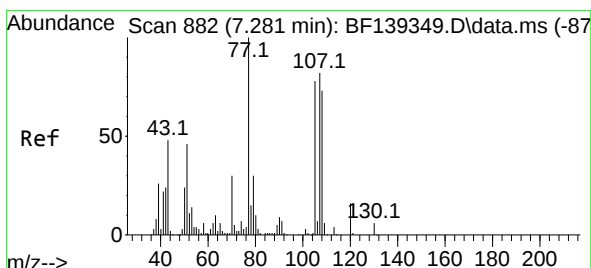
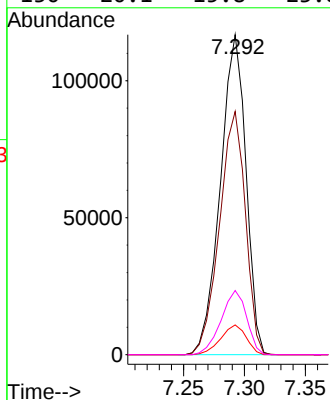
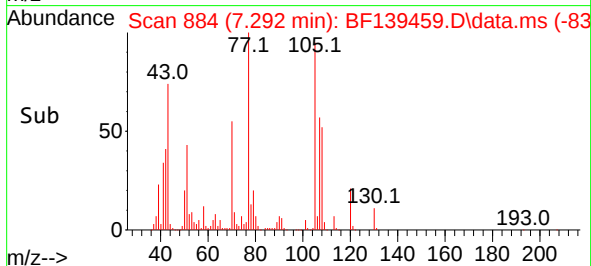
Tgt Ion: 70 Resp: 170692
Ion Ratio Lower Upper
70 100
42 76.0 61.2 91.8
101 9.3 7.5 11.3
130 20.1 15.8 23.8

Manual Integrations

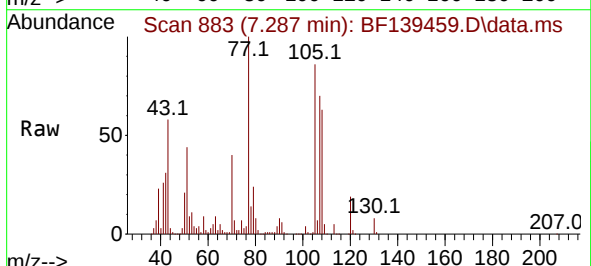
APPROVED

Reviewed By :Yogesh Patel 09/21/2024

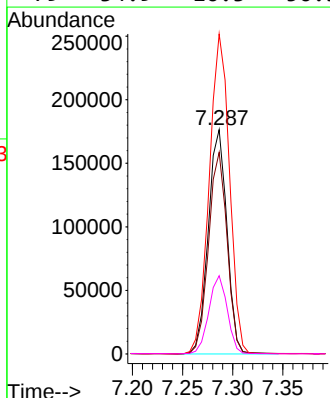
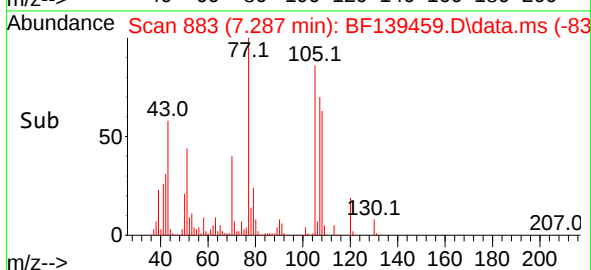
Supervised By :mohammad ahmed 09/22/2024

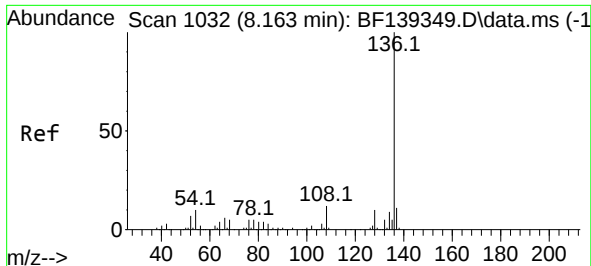


#20
3+4-Methylphenols
Concen: 41.820 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29



Tgt Ion:107 Resp: 229551
Ion Ratio Lower Upper
107 100
108 89.9 68.6 108.6
77 142.7 101.6 141.6#
79 34.9 16.3 56.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

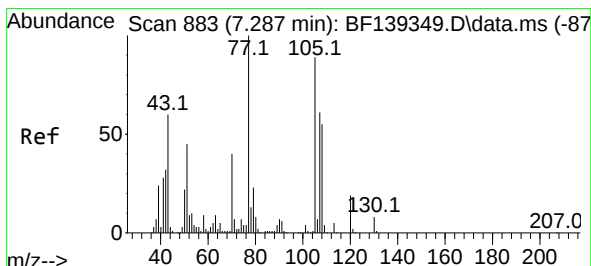
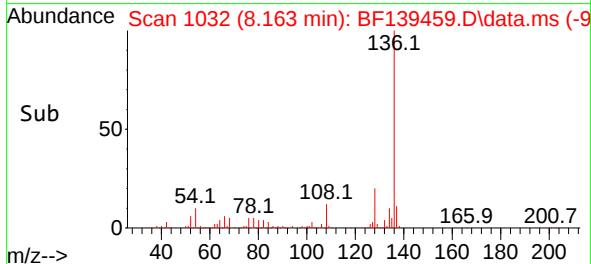
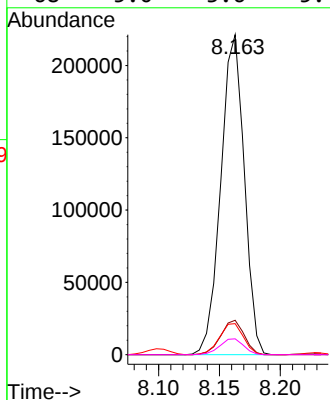
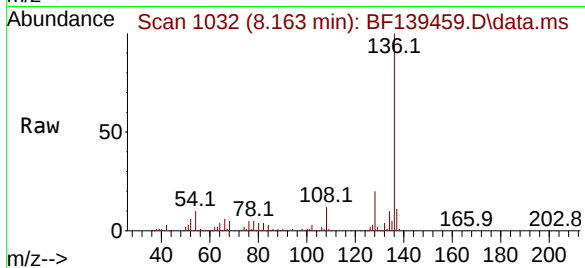
PB163495BS

Tgt Ion:136 Resp: 29662
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.7 7.8 11.8
68 5.0 3.6 5.4

Manual Integrations

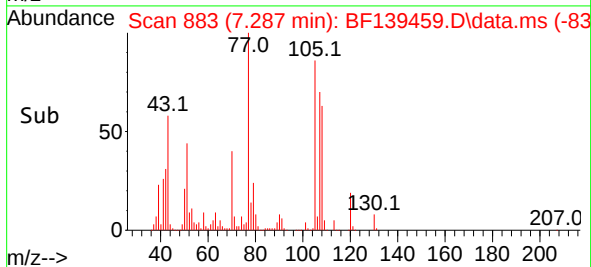
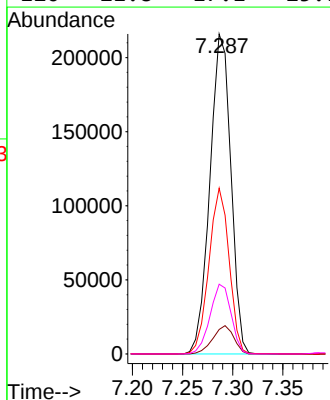
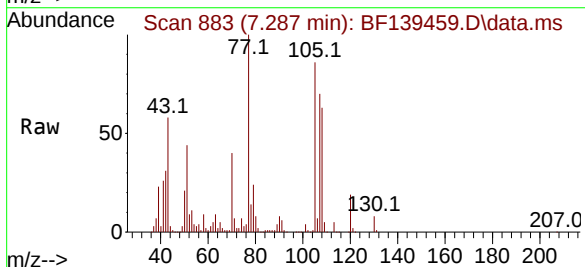
APPROVED

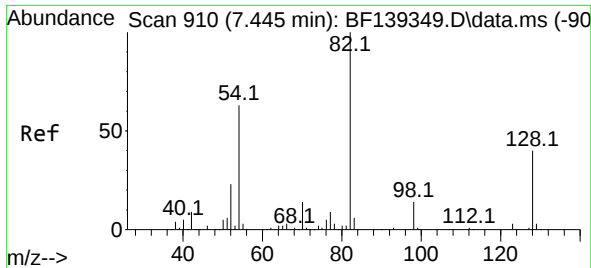
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#22
Acetophenone
Concen: 40.532 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion:105 Resp: 314311
Ion Ratio Lower Upper
105 100
71 7.7 5.9 8.9
51 51.8 40.0 60.0
120 21.8 17.1 25.7





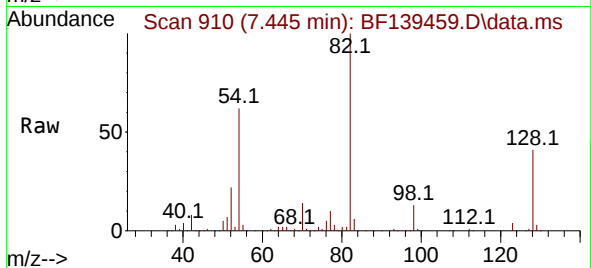
#23
Nitrobenzene-d5
Concen: 80.976 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

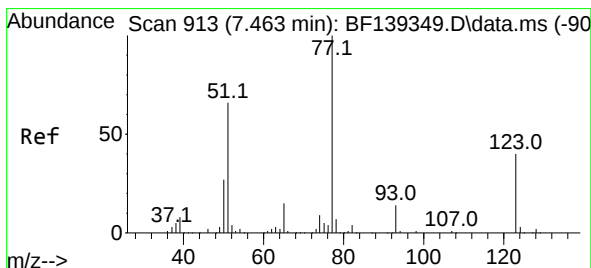
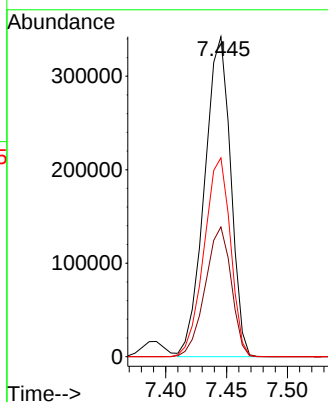
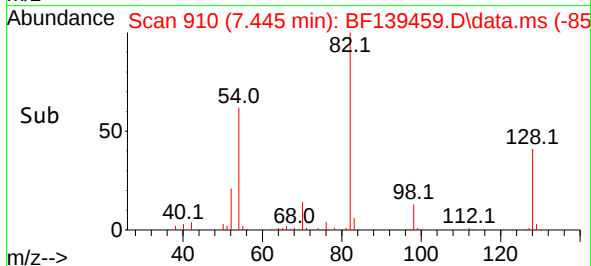
PB163495BS



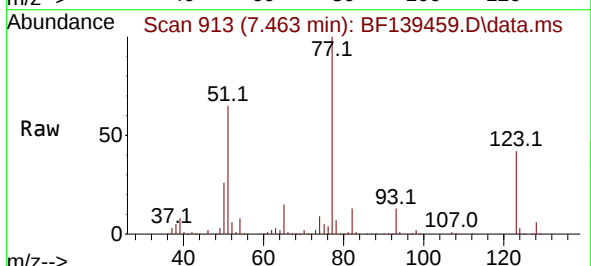
Tgt Ion: 82 Resp: 510924
Ion Ratio Lower Upper
82 100
128 40.5 31.8 47.6
54 62.2 50.6 75.8

Manual Integrations
APPROVED

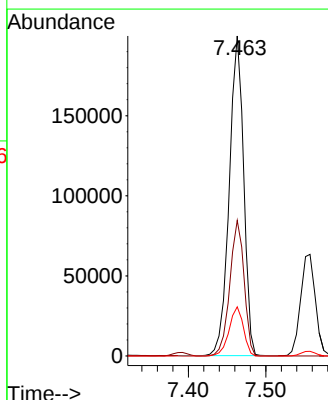
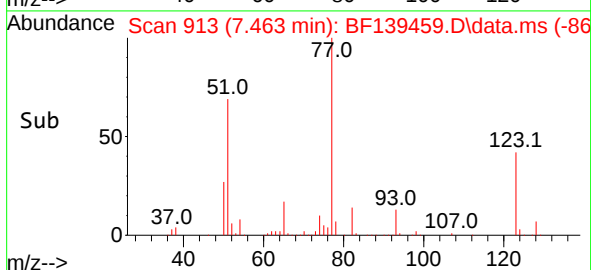
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

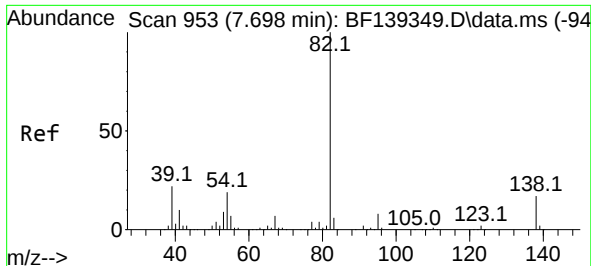


#24
Nitrobenzene
Concen: 39.815 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29



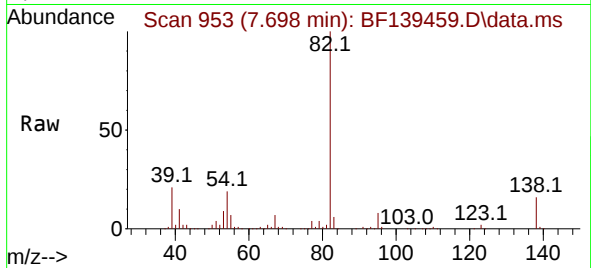
Tgt Ion: 77 Resp: 258555
Ion Ratio Lower Upper
77 100
123 42.3 32.2 48.4
65 15.3 12.2 18.4





#25
Isophorone
Concen: 44.844 ng
RT: 7.698 min Scan# 911
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

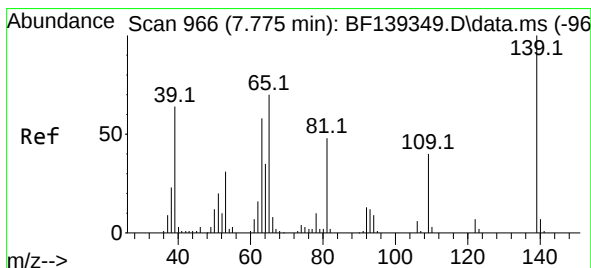
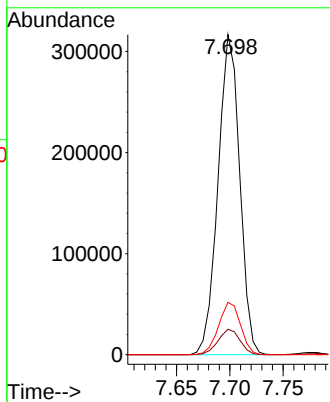
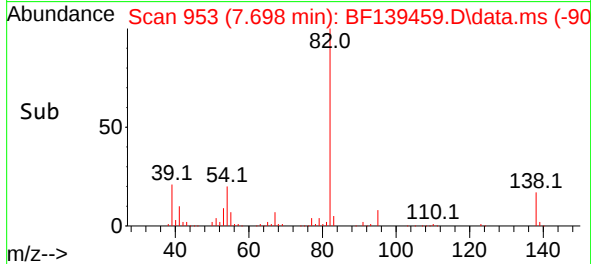
Instrument :
BNA_F
ClientSampleId :
PB163495BS



Tgt Ion: 82 Resp: 447480
Ion Ratio Lower Upper
82 100
95 7.9 6.7 10.1
138 16.4 13.3 19.9

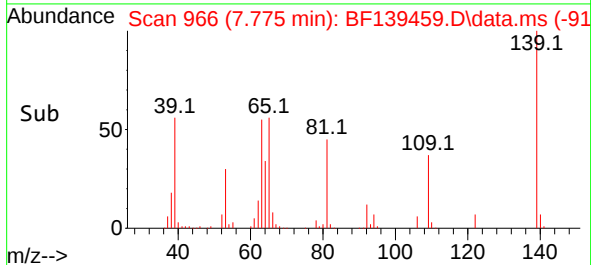
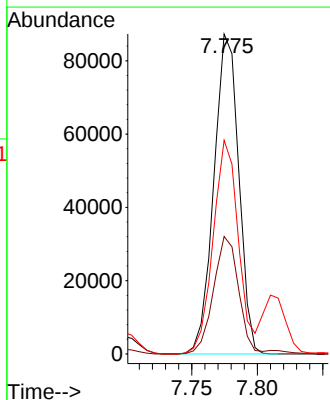
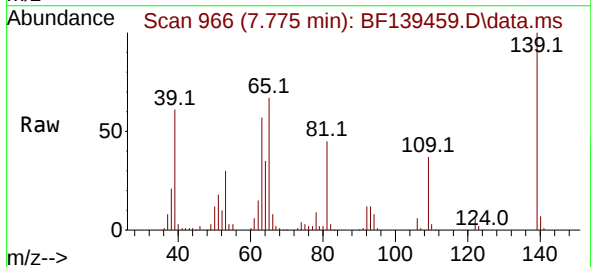
Manual Integrations
APPROVED

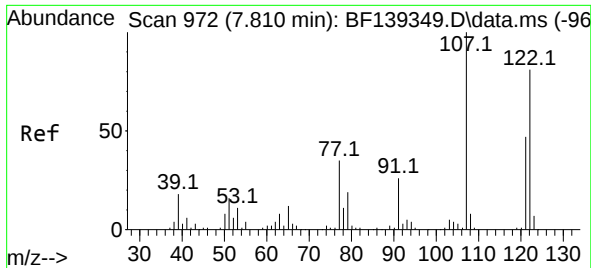
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#26
2-Nitrophenol
Concen: 45.455 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion:139 Resp: 115001
Ion Ratio Lower Upper
139 100
109 36.7 32.2 48.2
65 66.8 55.8 83.8





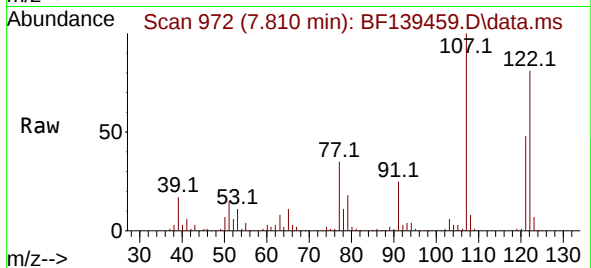
#27
2,4-Dimethylphenol
Concen: 53.747 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS



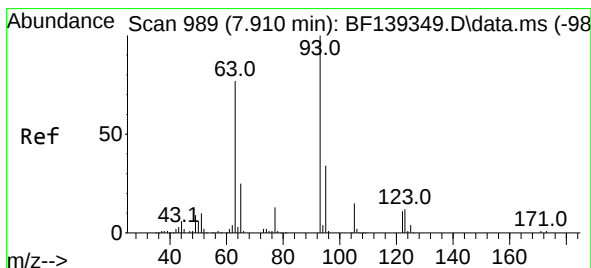
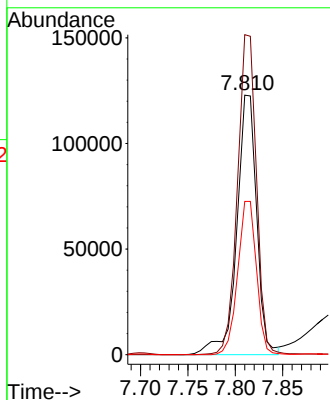
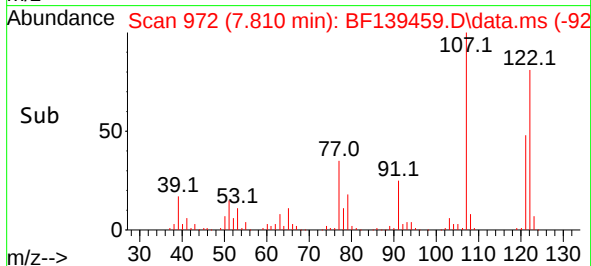
Tgt Ion:122 Resp: 179369
Ion Ratio Lower Upper
122 100
107 123.3 99.1 148.7
121 59.1 46.6 70.0

Manual Integrations

APPROVED

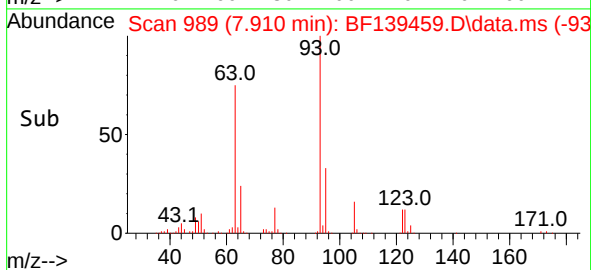
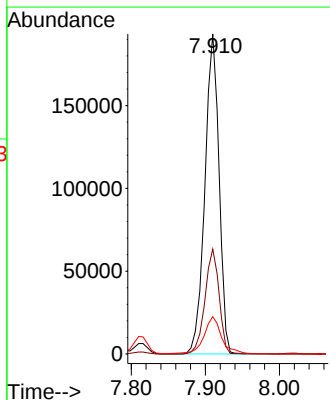
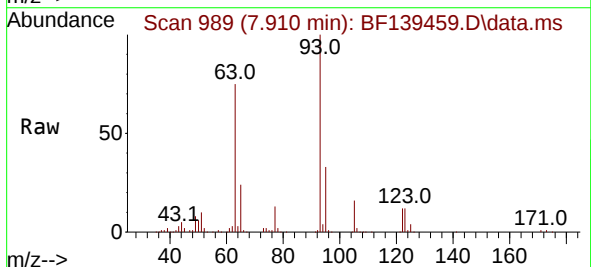
Reviewed By :Yogesh Patel 09/21/2024

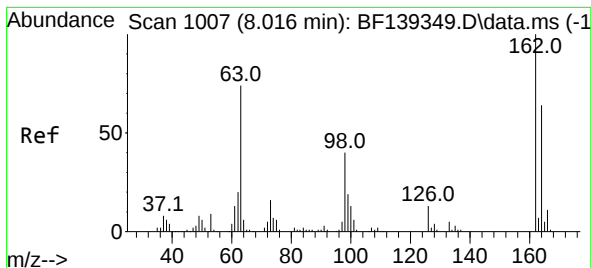
Supervised By :mohammad ahmed 09/22/2024



#28
bis(2-Chloroethoxy)methane
Concen: 45.132 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion: 93 Resp: 256666
Ion Ratio Lower Upper
93 100
95 32.8 26.9 40.3
123 11.7 10.0 15.0





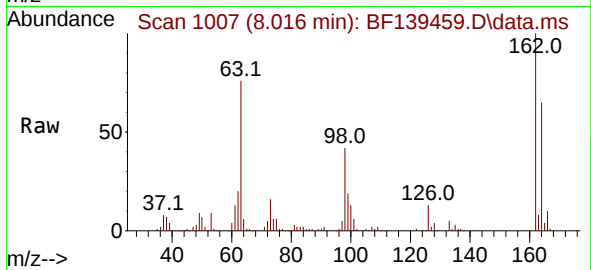
#29
2,4-Dichlorophenol
Concen: 42.992 ng
RT: 8.016 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS



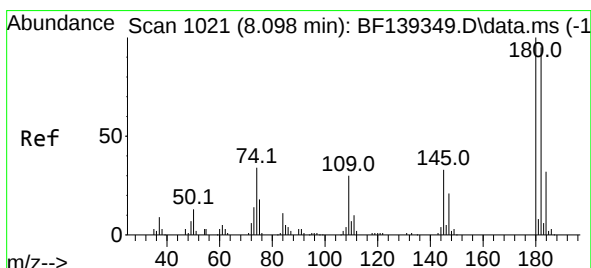
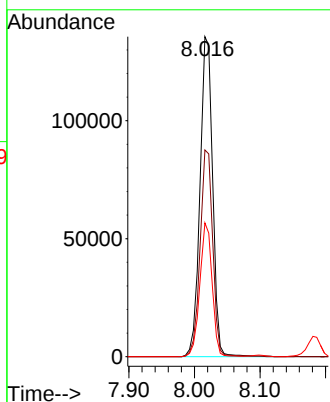
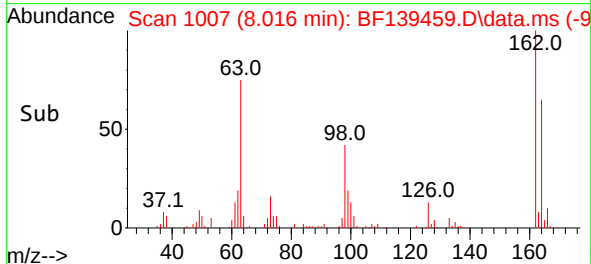
Tgt Ion:162 Resp: 18226
Ion Ratio Lower Upper
162 100
164 64.6 43.6 83.6
98 41.8 19.7 59.7

Manual Integrations

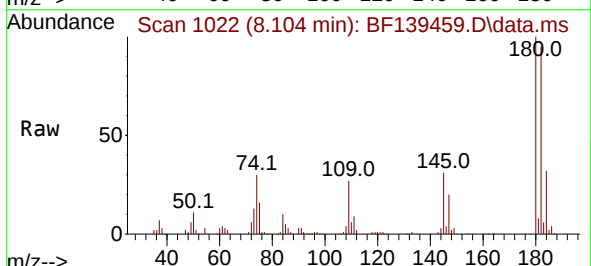
APPROVED

Reviewed By :Yogesh Patel 09/21/2024

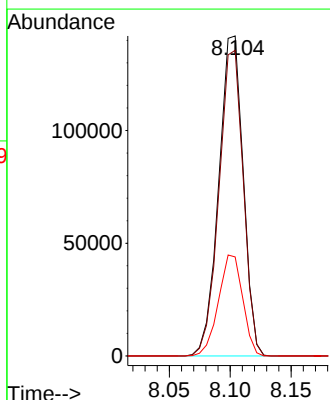
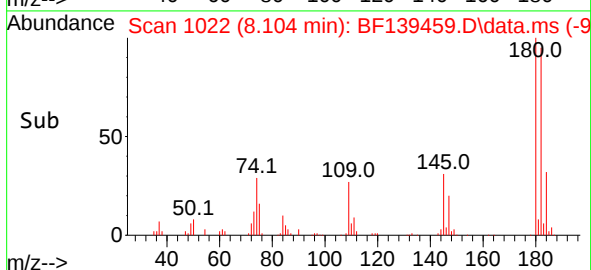
Supervised By :mohammad ahmed 09/22/2024



#30
1,2,4-Trichlorobenzene
Concen: 40.203 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29



Tgt Ion:180 Resp: 198597
Ion Ratio Lower Upper
180 100
182 95.5 75.7 113.5
145 30.9 26.5 39.7





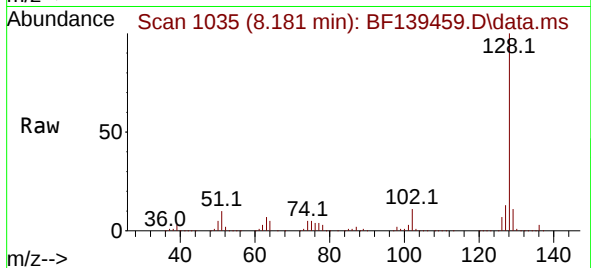
#31
Naphthalene
Concen: 42.014 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

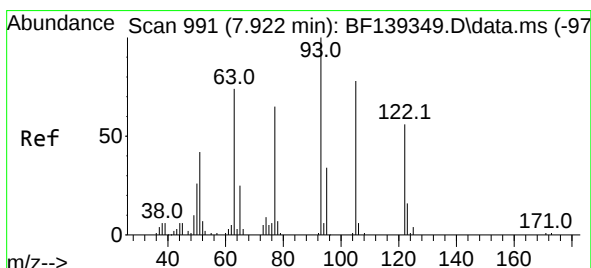
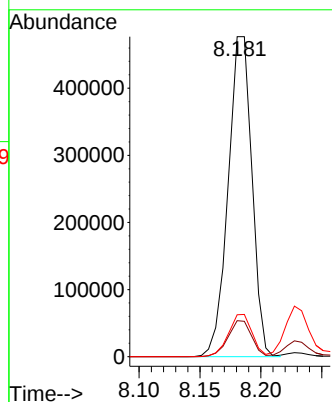
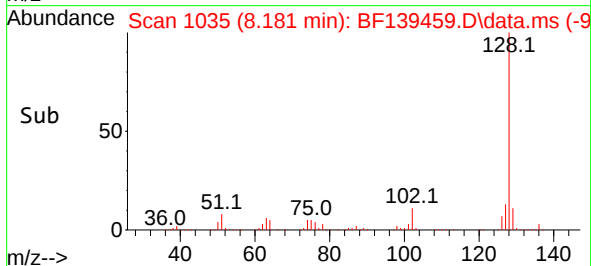


Tgt Ion:128 Resp: 650602
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.1 10.6 16.0

Manual Integrations

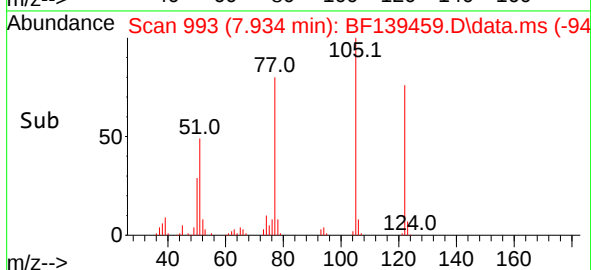
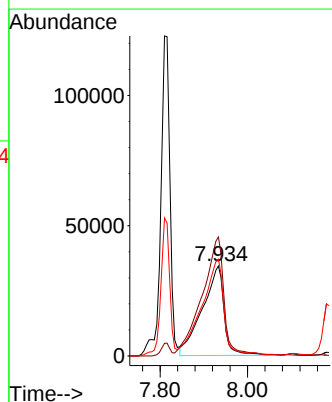
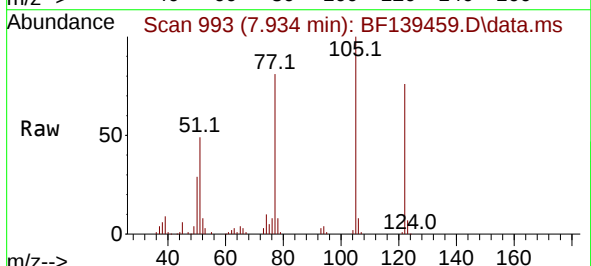
APPROVED

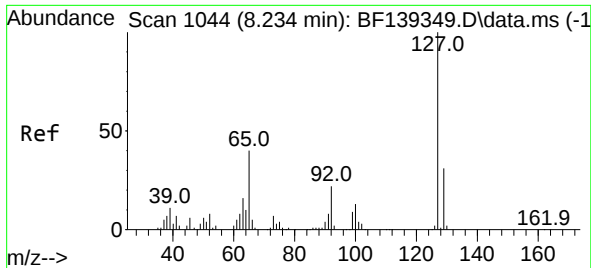
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#32
Benzoic acid
Concen: 38.072 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.012 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion:122 Resp: 118902
Ion Ratio Lower Upper
122 100
105 132.2 117.1 157.1
77 107.6 95.4 135.4





#33
4-Chloroaniline
Concen: 23.833 ng
RT: 8.228 min Scan# 1043
Delta R.T. -0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

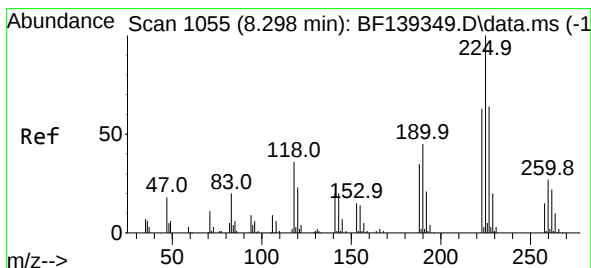
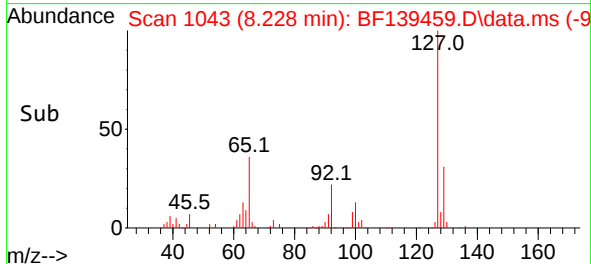
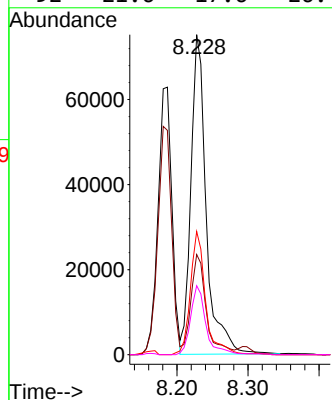
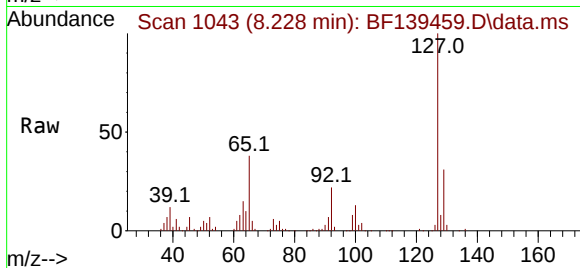
PB163495BS

Tgt Ion:127 Resp: 112904
Ion Ratio Lower Upper
127 100
129 31.3 25.5 38.3
65 38.5 31.5 47.3
92 21.6 17.6 26.4

Manual Integrations

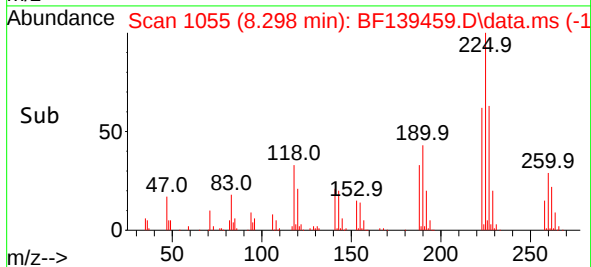
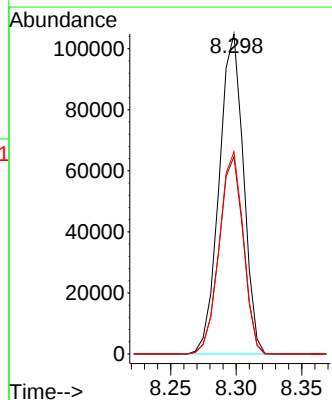
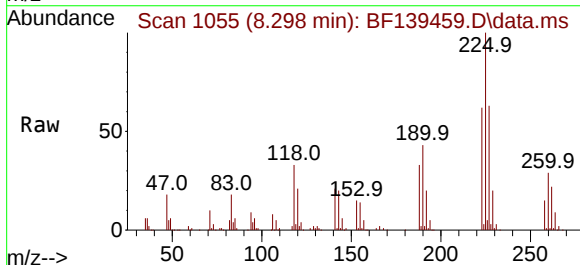
APPROVED

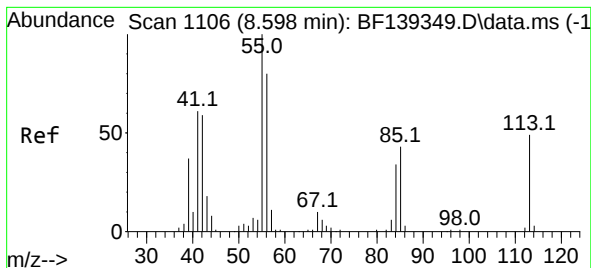
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#34
Hexachlorobutadiene
Concen: 40.124 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion:225 Resp: 134661
Ion Ratio Lower Upper
225 100
223 61.7 50.1 75.1
227 63.2 51.0 76.6





#35

Caprolactam

Concen: 43.716 ng m

RT: 8.604 min Scan# 1106

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

Tgt Ion:113 Resp: 5701

Ion Ratio Lower Upper

113 100

55 210.0 186.1 226.1

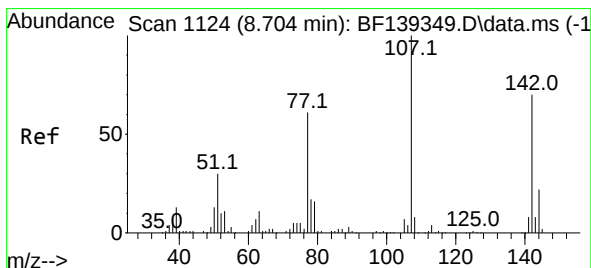
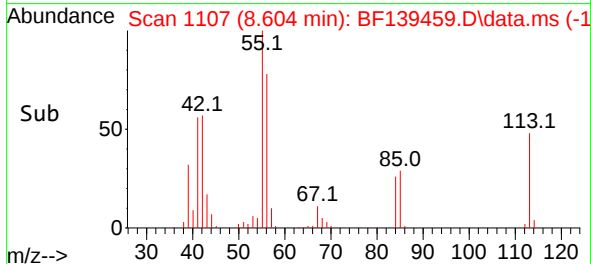
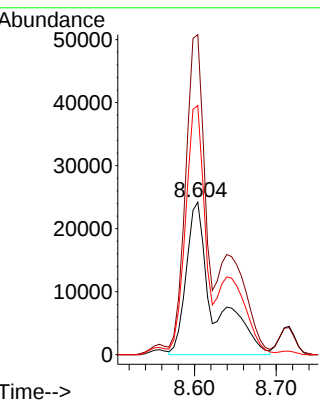
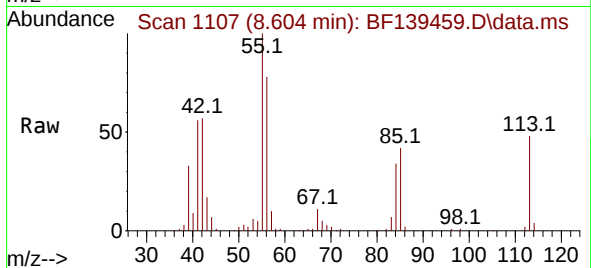
56 163.4 144.9 184.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#36

4-Chloro-3-methylphenol

Concen: 43.173 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.012 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

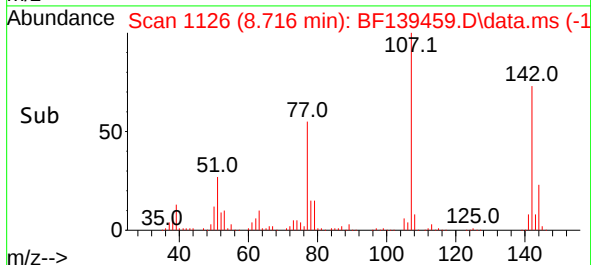
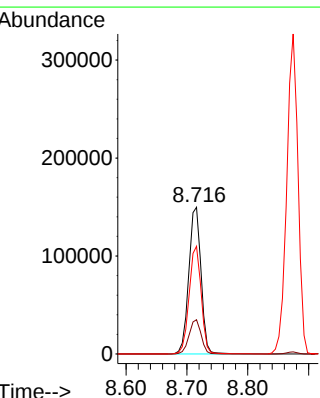
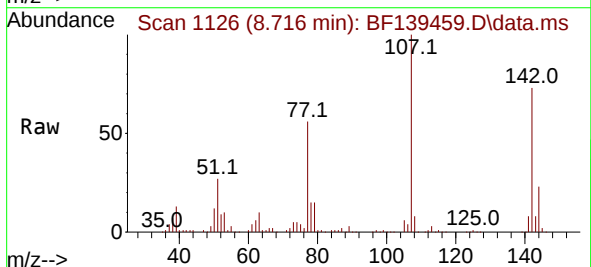
Tgt Ion:107 Resp: 209186

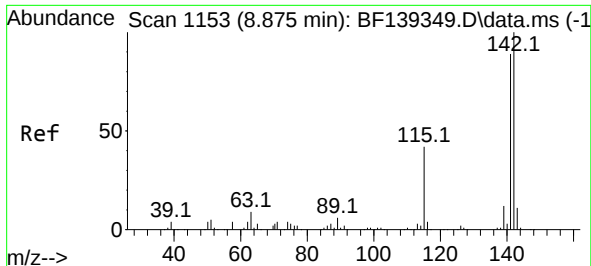
Ion Ratio Lower Upper

107 100

144 23.3 17.5 26.3

142 73.4 55.8 83.8





#37

2-Methylnaphthalene

Concen: 42.661 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.000 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

Tgt Ion:142 Resp: 41931

Ion Ratio Lower Upper

142 100

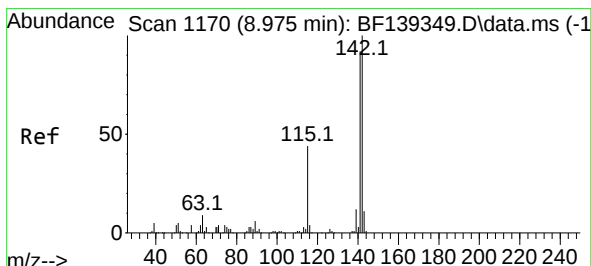
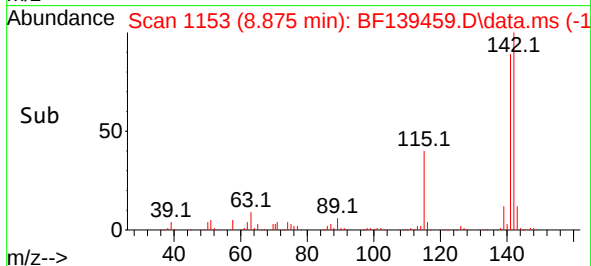
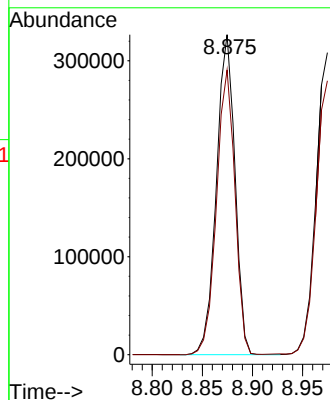
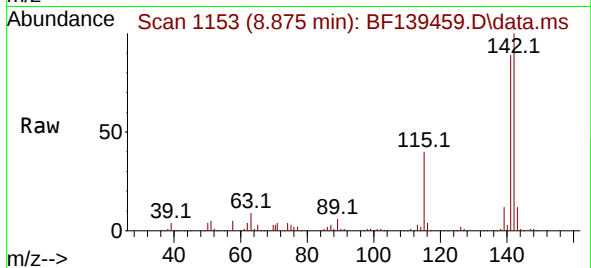
141 89.0 71.6 107.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#38

1-Methylnaphthalene

Concen: 41.044 ng

RT: 8.975 min Scan# 1170

Delta R.T. -0.000 min

Lab File: BF139459.D

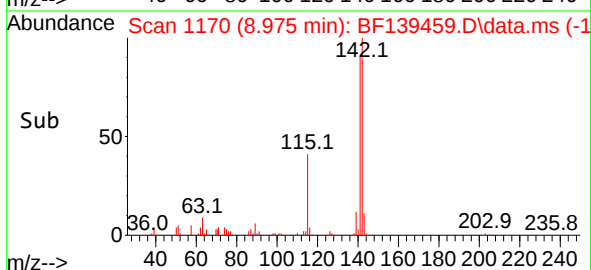
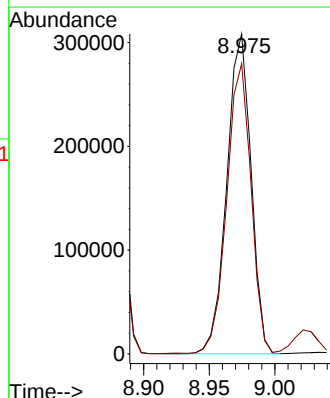
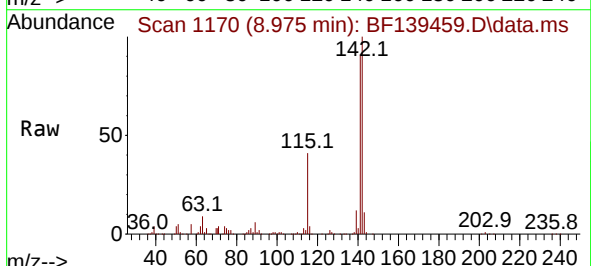
Acq: 19 Sep 2024 12:29

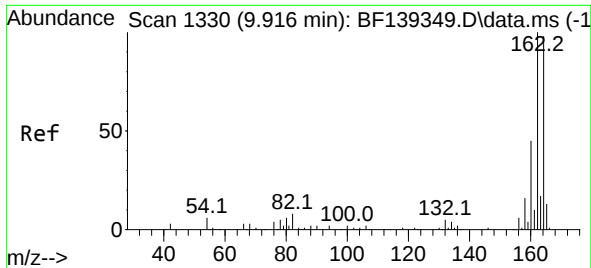
Tgt Ion:142 Resp: 396071

Ion Ratio Lower Upper

142 100

141 90.7 73.2 109.8





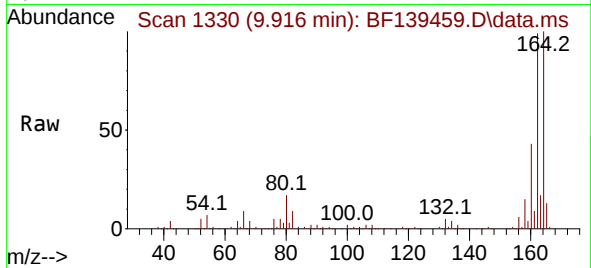
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1180
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS



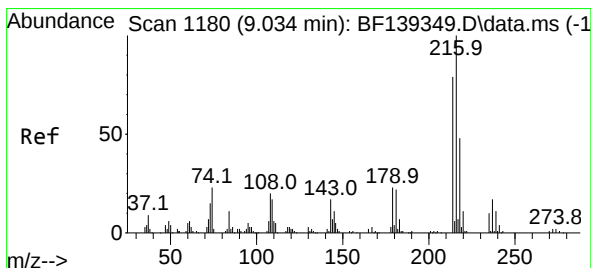
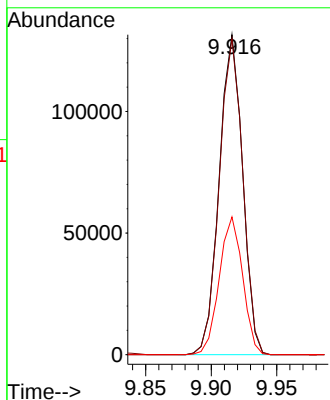
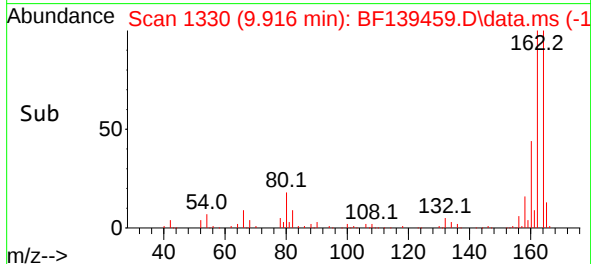
Tgt Ion:164 Resp: 163149
Ion Ratio Lower Upper
164 100
162 98.7 81.3 121.9
160 43.1 36.4 54.6

Manual Integrations

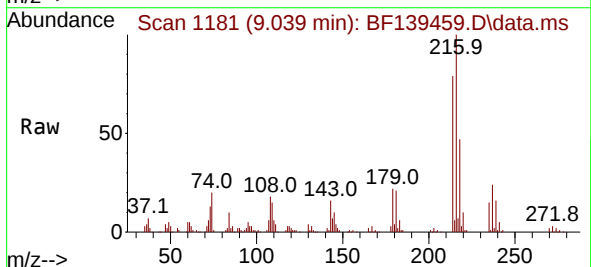
APPROVED

Reviewed By :Yogesh Patel 09/21/2024

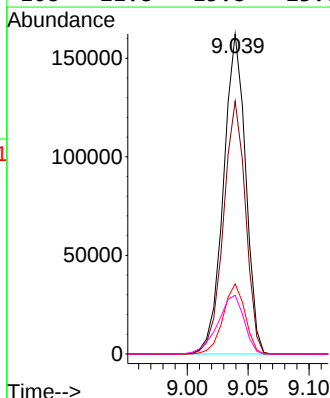
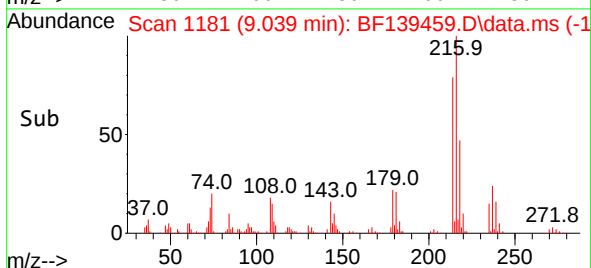
Supervised By :mohammad ahmed 09/22/2024

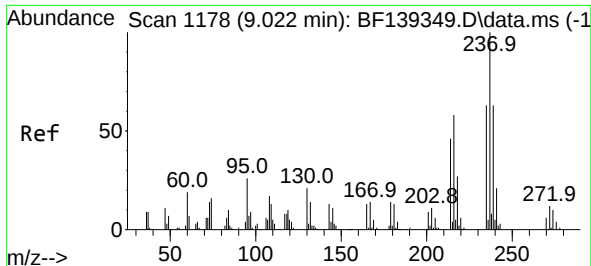


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.506 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29



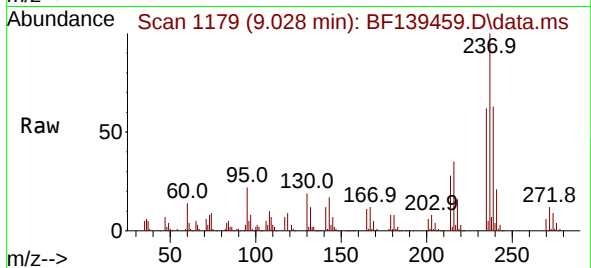
Tgt Ion:216 Resp: 205528
Ion Ratio Lower Upper
216 100
214 78.5 63.4 95.0
179 21.6 18.2 27.2
108 21.8 15.8 23.6





#41
Hexachlorocyclopentadiene
Concen: 148.680 ng
RT: 9.028 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

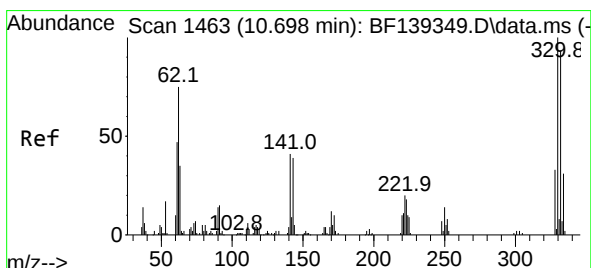
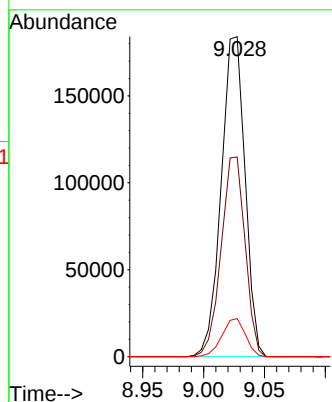
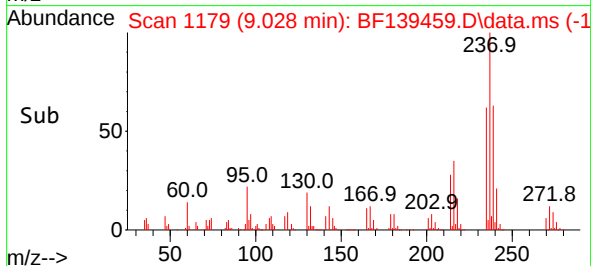
Instrument :
BNA_F
ClientSampleId :
PB163495BS



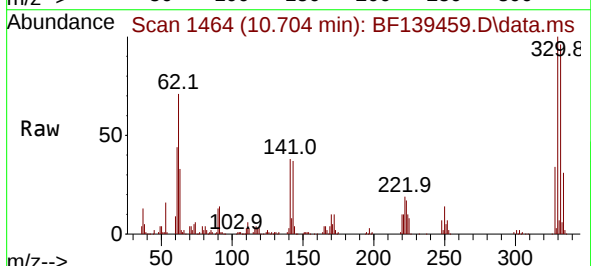
Tgt Ion: 237 Resp: 251010
Ion Ratio Lower Upper
237 100
235 62.4 42.7 82.7
272 11.9 0.0 32.5

Manual Integrations
APPROVED

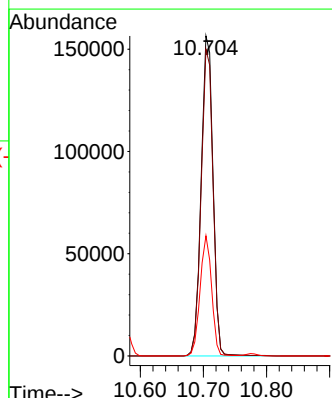
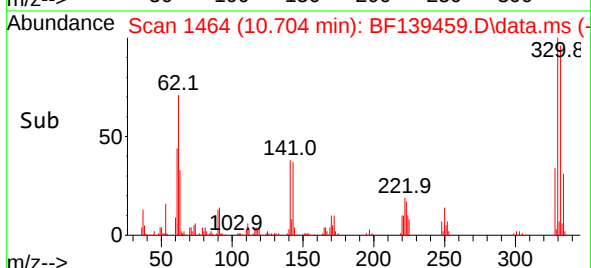
Reviewed By : Yogesh Patel 09/21/2024
Supervised By : mohammad ahmed 09/22/2024



#42
2,4,6-Tribromophenol
Concen: 117.320 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29



Tgt Ion: 330 Resp: 203776
Ion Ratio Lower Upper
330 100
332 96.1 75.2 112.8
141 36.6 31.2 46.8





#43

2,4,6-Trichlorophenol

Concen: 44.310 ng

RT: 9.151 min Scan# 1199

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

Tgt Ion:196 Resp: 139389

Ion Ratio Lower Upper

196 100

198 95.9 75.8 113.6

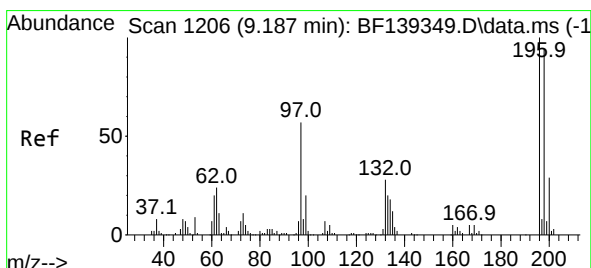
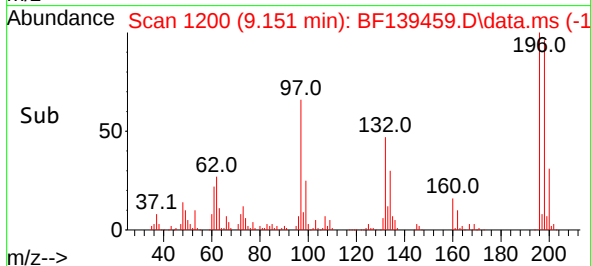
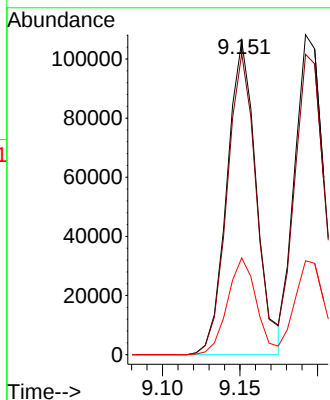
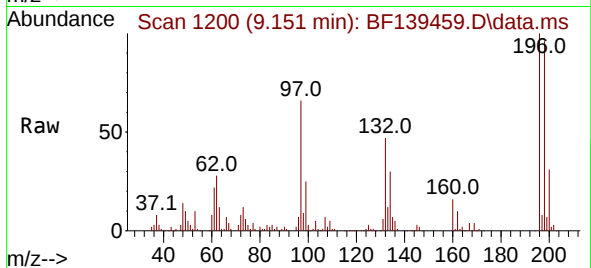
200 30.8 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#44

2,4,5-Trichlorophenol

Concen: 42.375 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Tgt Ion:196 Resp: 140611

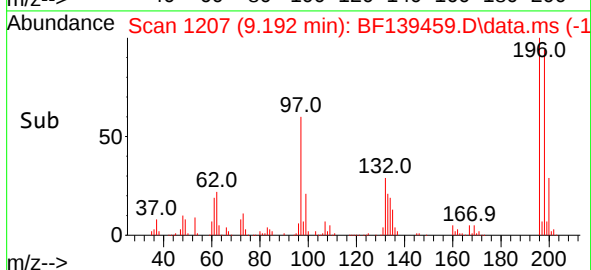
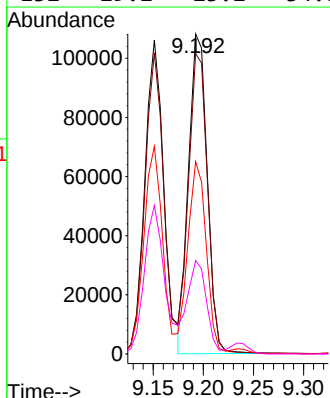
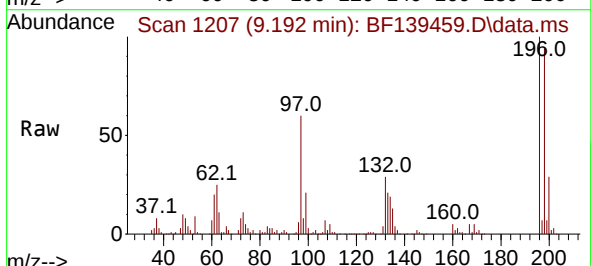
Ion Ratio Lower Upper

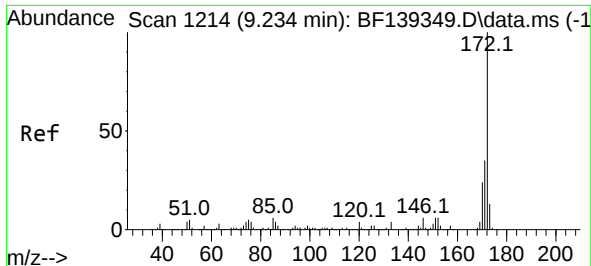
196 100

198 93.8 74.8 112.2

97 60.1 47.3 70.9

132 29.2 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 80.788 ng

RT: 9.239 min Scan# 1215

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

Tgt Ion:172 Resp: 939769

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

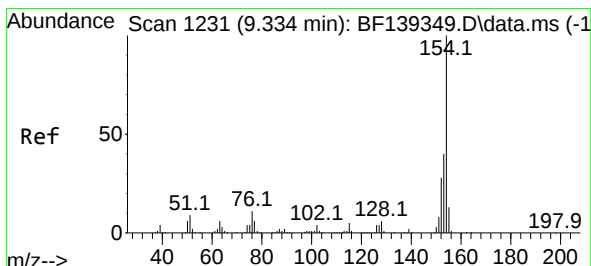
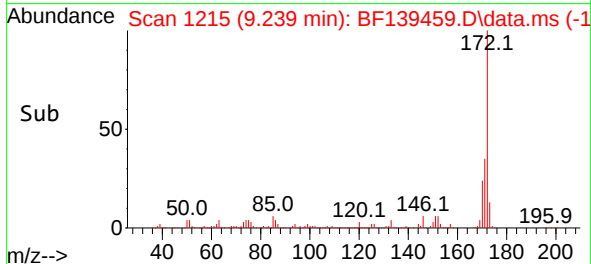
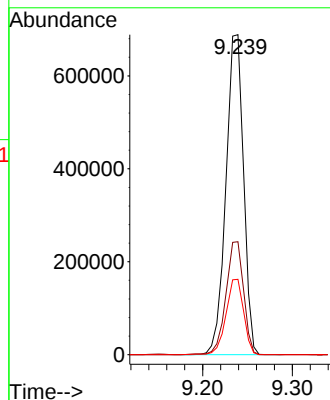
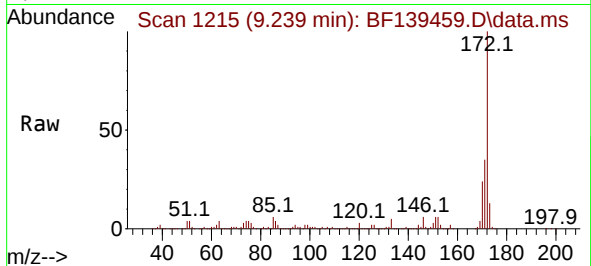
170 23.6 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#46

1,1'-Biphenyl

Concen: 42.285 ng

RT: 9.339 min Scan# 1232

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

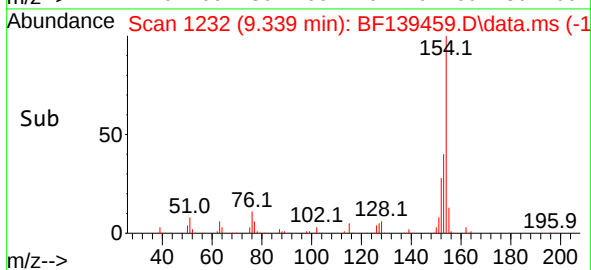
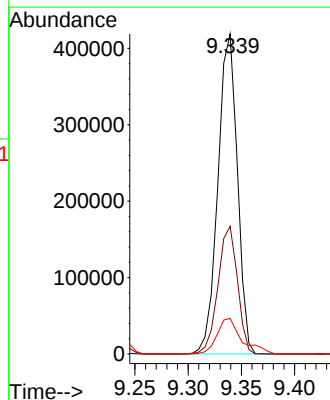
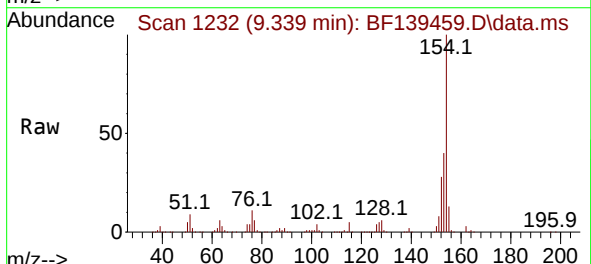
Tgt Ion:154 Resp: 530743

Ion Ratio Lower Upper

154 100

153 39.9 20.1 60.1

76 11.1 0.0 31.1





#47

2-Chloronaphthalene

Concen: 41.789 ng

RT: 9.363 min Scan# 1236

Delta R.T. -0.000 min

Lab File: BF139459.D

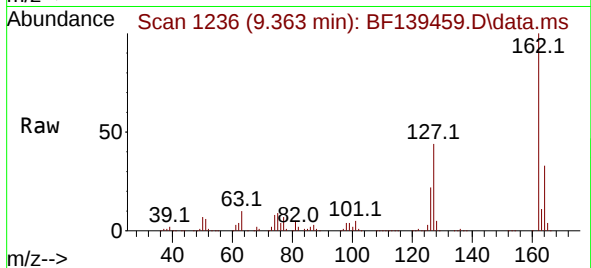
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS



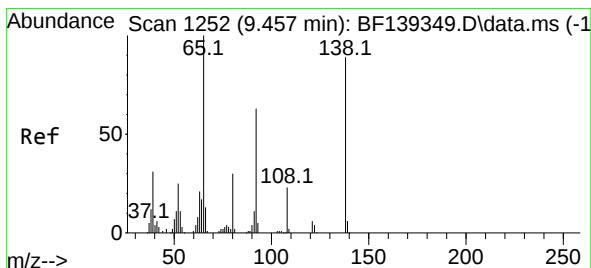
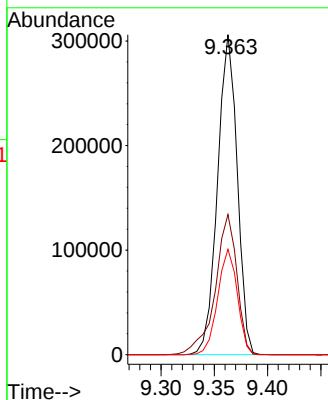
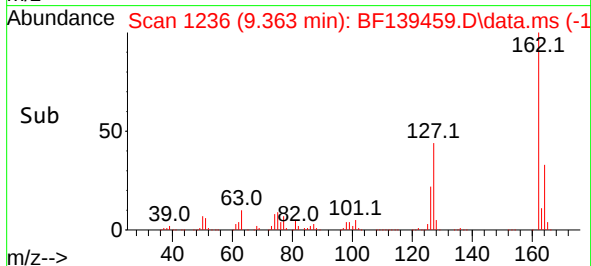
Tgt Ion:	162	Resp:	39217
Ion Ratio	Lower	Upper	
162	100		
127	43.8	35.0	52.4
164	33.0	25.8	38.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#48

2-Nitroaniline

Concen: 43.084 ng

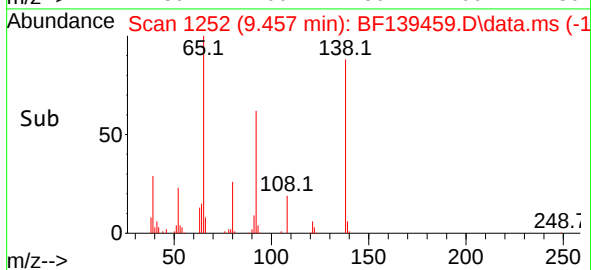
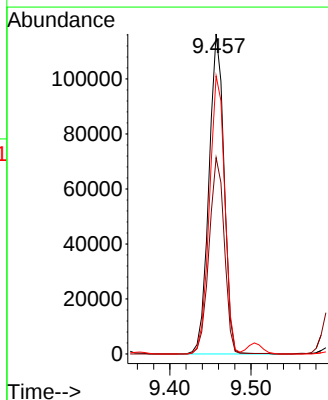
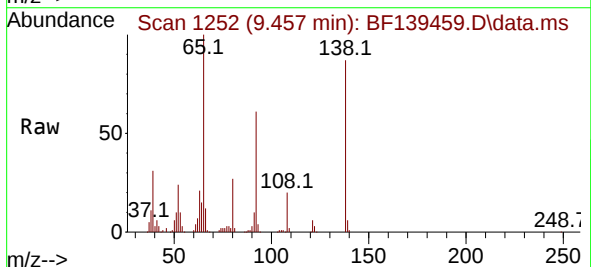
RT: 9.457 min Scan# 1252

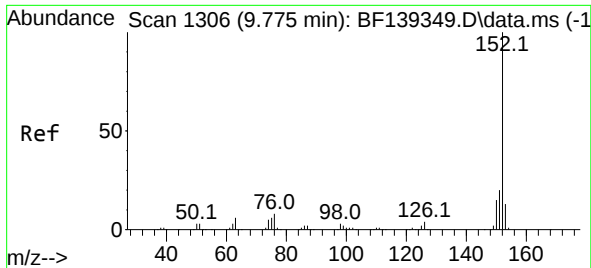
Delta R.T. -0.000 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Tgt Ion:	65	Resp:	150390
Ion Ratio	Lower	Upper	
65	100		
92	61.3	50.3	75.5
138	86.9	71.3	106.9





#49
Acenaphthylene
Concen: 46.122 ng
RT: 9.780 min Scan# 11
Delta R.T. 0.005 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

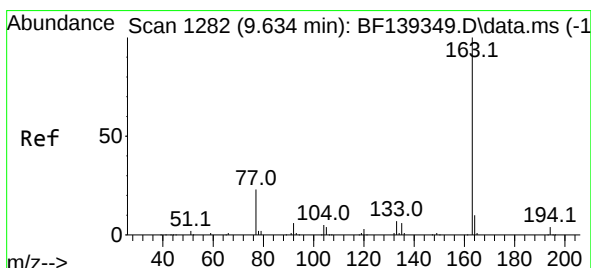
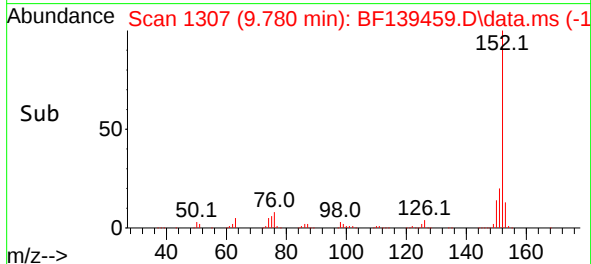
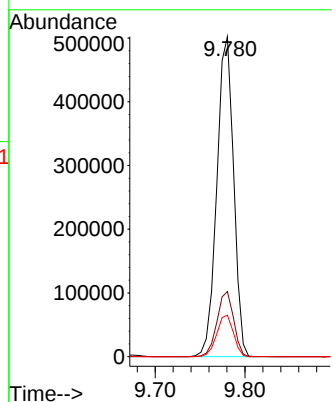
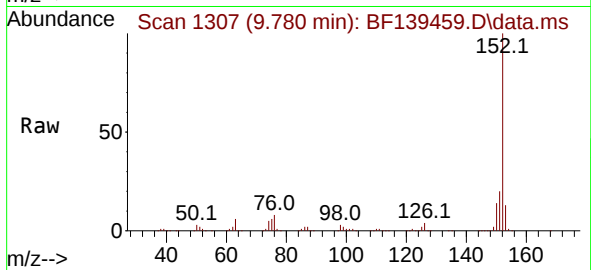
ClientSampleId :

PB163495BS

Tgt Ion:152 Resp: 65156
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 12.9 10.3 15.5

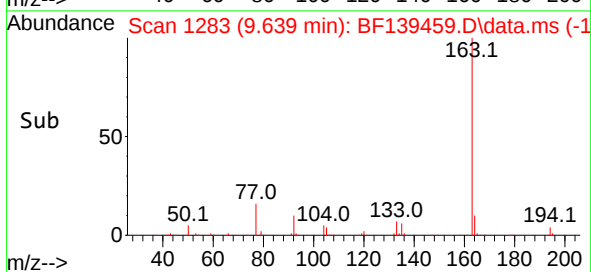
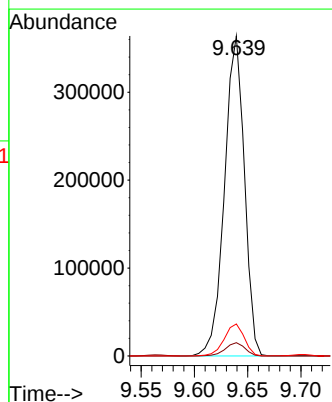
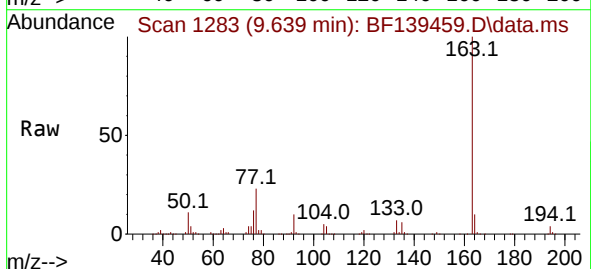
Manual Integrations
APPROVED

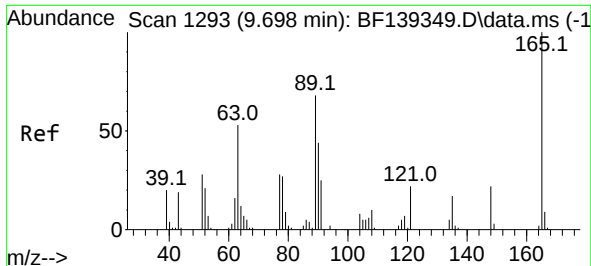
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#50
Dimethylphthalate
Concen: 44.121 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion:163 Resp: 472461
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 10.0 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 42.116 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

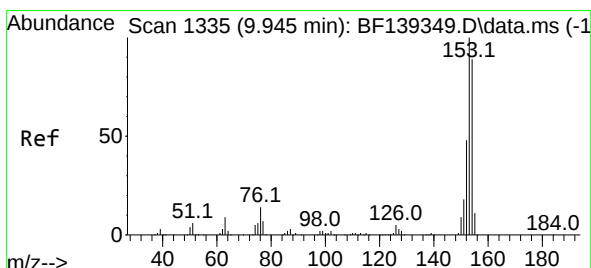
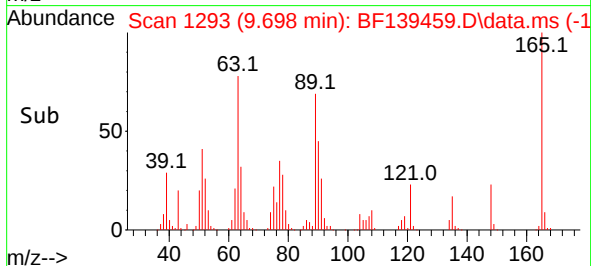
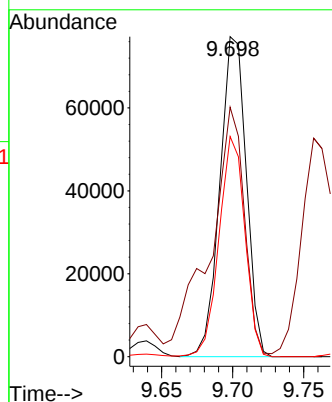
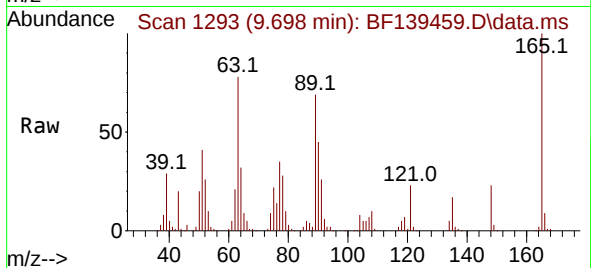
PB163495BS

Tgt Ion:165 Resp: 99908
Ion Ratio Lower Upper
165 100
63 77.9 60.9 91.3
89 68.8 54.7 82.1

Manual Integrations

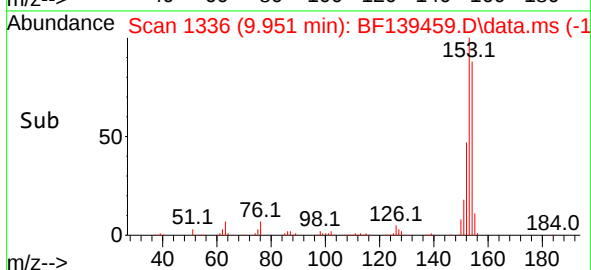
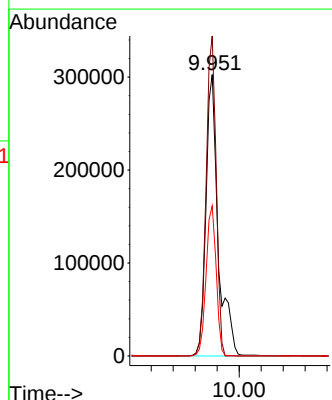
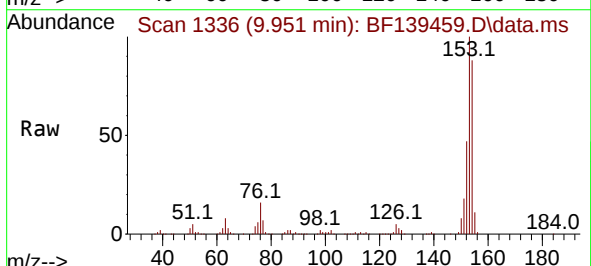
APPROVED

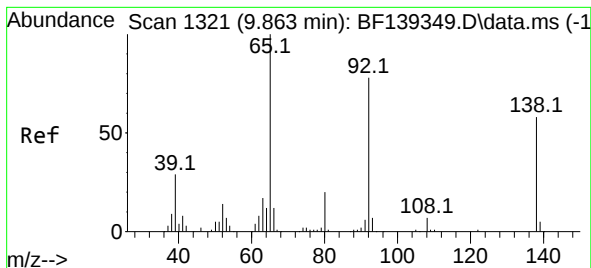
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#52
Acenaphthene
Concen: 47.404 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion:154 Resp: 467378
Ion Ratio Lower Upper
154 100
153 113.7 89.5 134.3
152 53.4 42.6 64.0





#53

3-Nitroaniline

Concen: 28.317 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

Tgt Ion:138 Resp: 6713

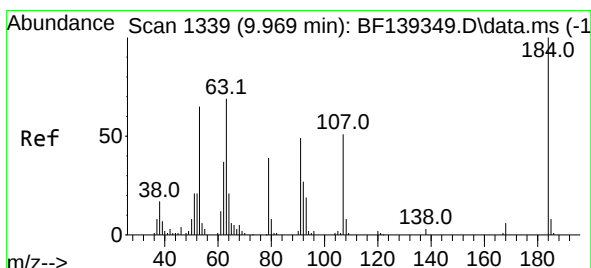
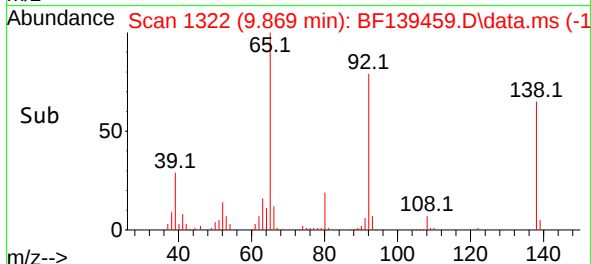
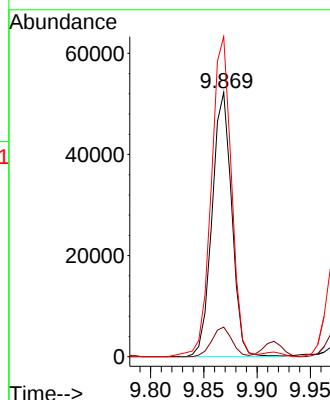
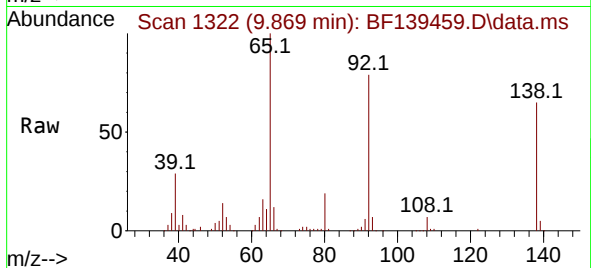
Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.8	14.8
92	121.1	107.4	161.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#54

2,4-Dinitrophenol

Concen: 89.365 ng

RT: 9.975 min Scan# 1340

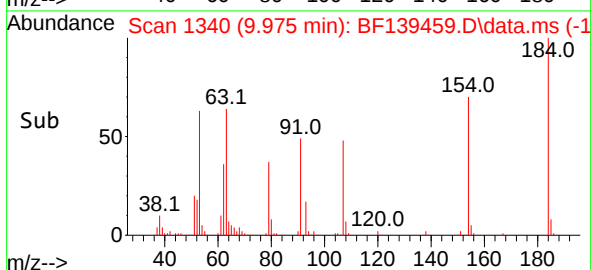
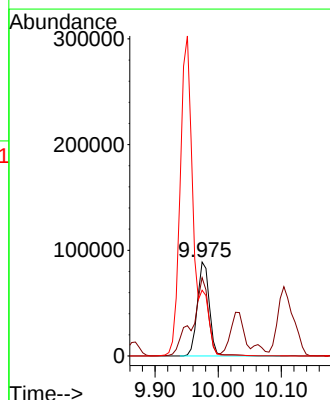
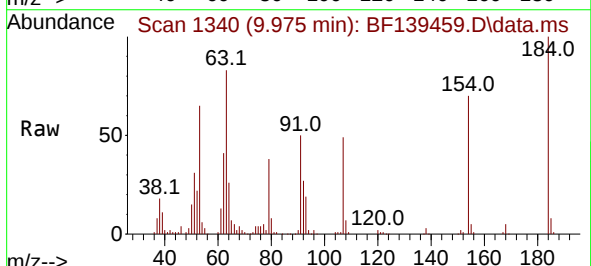
Delta R.T. 0.006 min

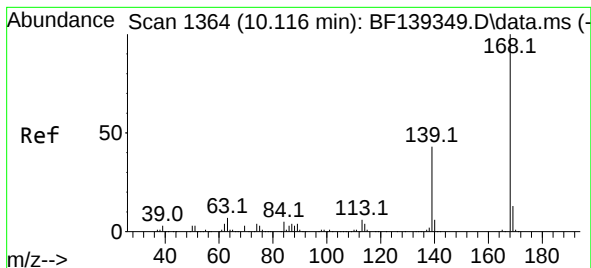
Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Tgt Ion:184 Resp: 118126

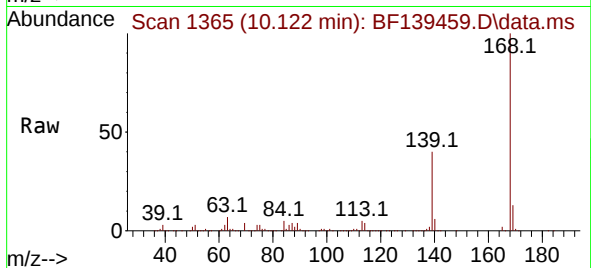
Ion	Ratio	Lower	Upper
184	100		
63	83.2	69.3	103.9
154	70.0	67.5	101.3





#55
Dibenzenofuran
Concen: 42.923 ng
RT: 10.122 min Scan# 1365
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

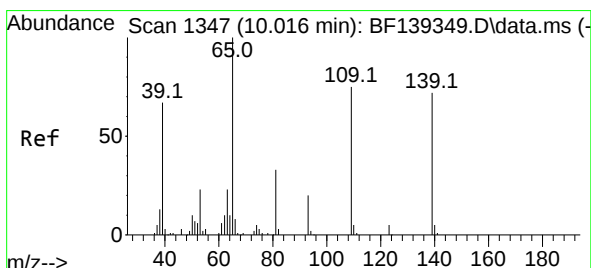
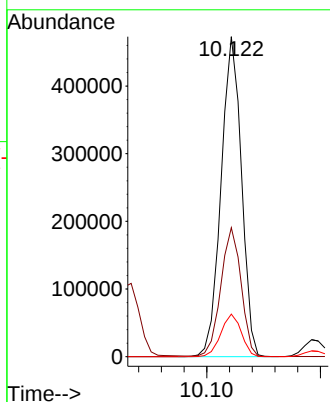
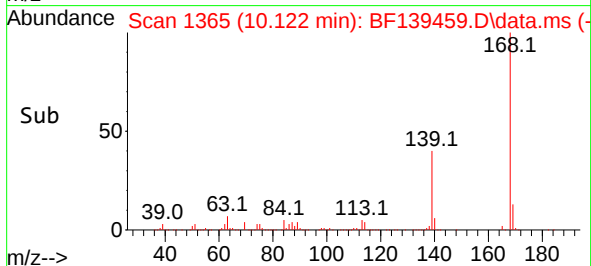
Instrument :
BNA_F
ClientSampleId :
PB163495BS



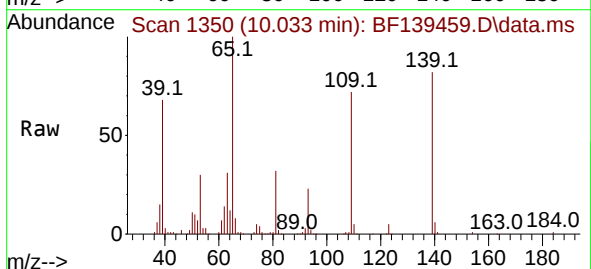
Tgt Ion:168 Resp: 589854
Ion Ratio Lower Upper
168 100
139 40.3 34.1 51.1
169 13.3 10.5 15.7

Manual Integrations
APPROVED

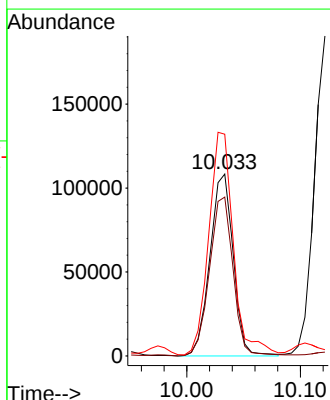
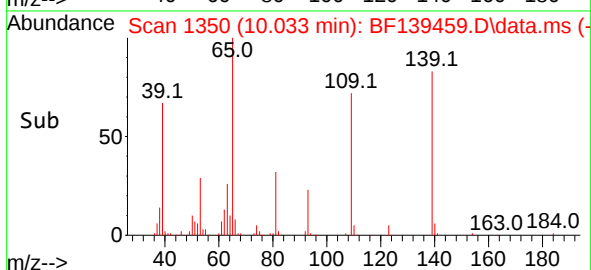
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

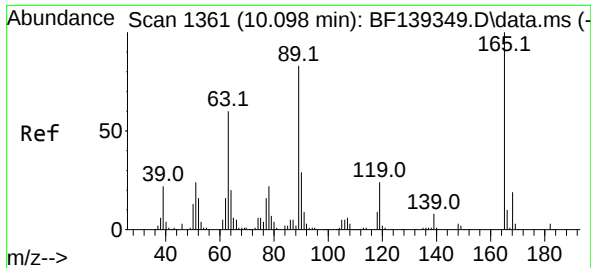


#56
4-Nitrophenol
Concen: 78.947 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.017 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29



Tgt Ion:139 Resp: 154867
Ion Ratio Lower Upper
139 100
109 87.4 84.1 124.1
65 121.9 120.0 160.0





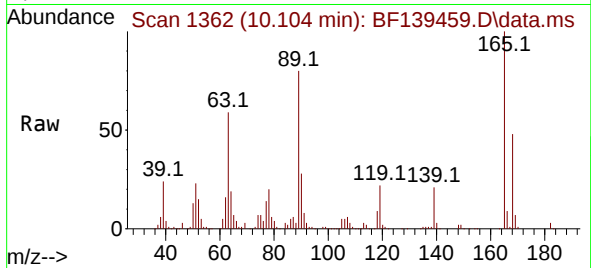
#57
2,4-Dinitrotoluene
Concen: 43.706 ng
RT: 10.104 min Scan# 1362
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

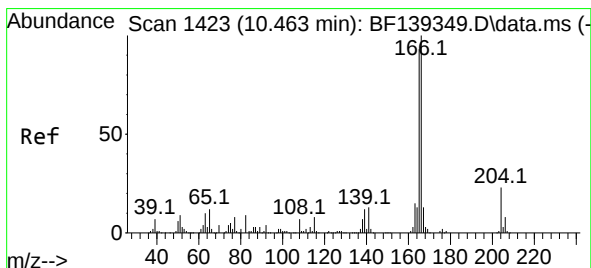
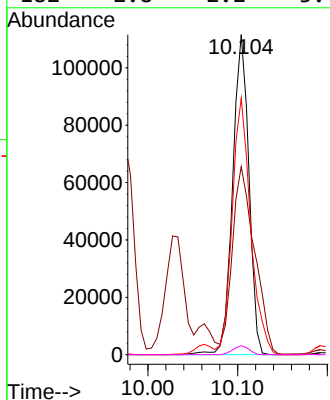
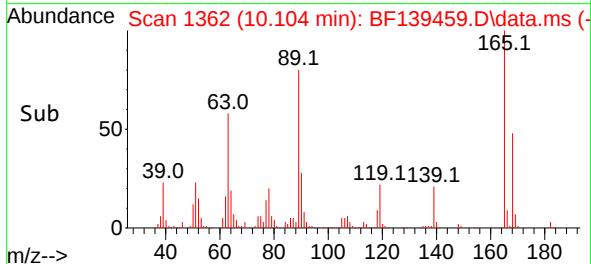


Tgt Ion:165 Resp: 139970
Ion Ratio Lower Upper
165 100
63 58.8 47.8 71.6
89 80.2 66.7 100.1
182 2.8 2.2 3.4

Manual Integrations

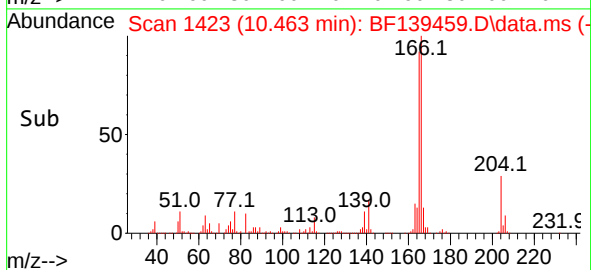
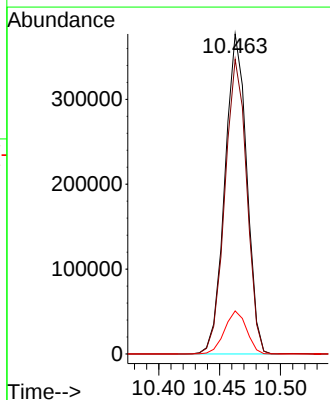
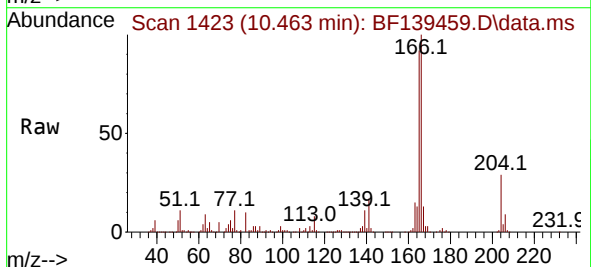
APPROVED

Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#58
Fluorene
Concen: 41.937 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

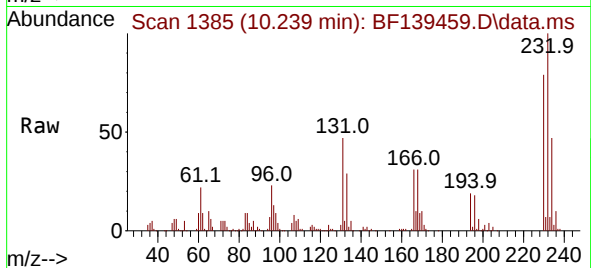
Tgt Ion:166 Resp: 470217
Ion Ratio Lower Upper
166 100
165 92.1 74.5 111.7
167 13.5 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 43.985 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

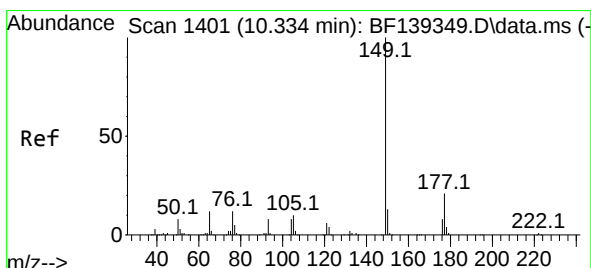
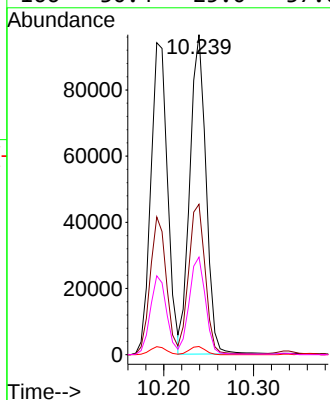
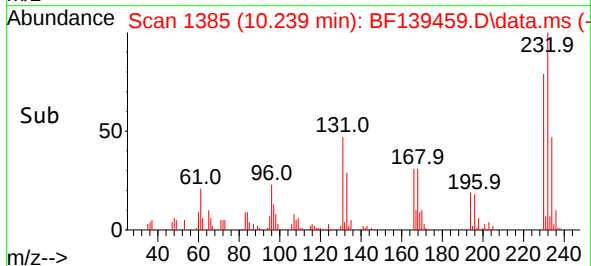
Instrument :
BNA_F
ClientSampleId :
PB163495BS



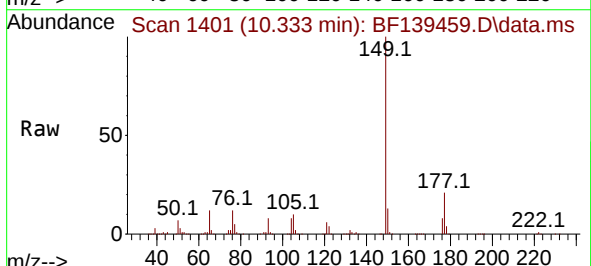
Tgt Ion:232 Resp: 120730
Ion Ratio Lower Upper
232 100
131 48.7 40.7 61.1
130 2.6 2.2 3.2
166 30.4 25.0 37.6

Manual Integrations
APPROVED

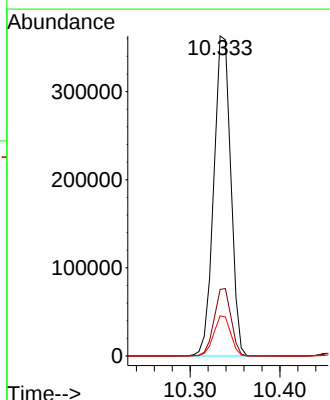
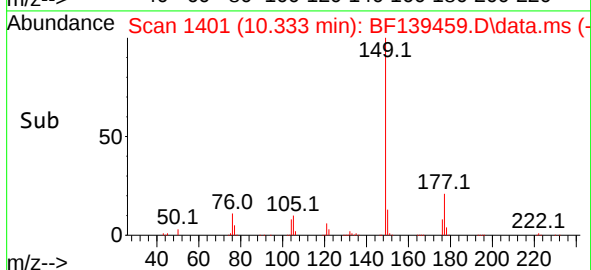
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

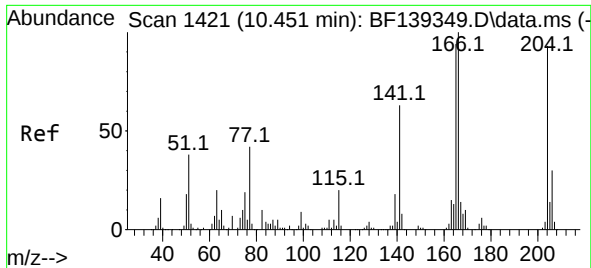


#60
Diethylphthalate
Concen: 43.206 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29



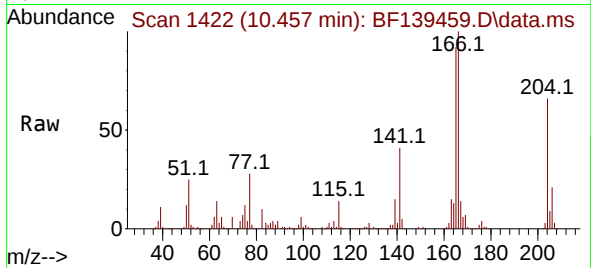
Tgt Ion:149 Resp: 477448
Ion Ratio Lower Upper
149 100
177 20.8 16.6 24.8
150 12.6 10.6 15.8





#61
4-Chlorophenyl-phenylether
Concen: 41.895 ng
RT: 10.457 min Scan# 1421
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

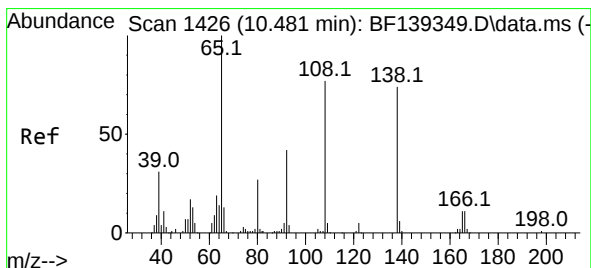
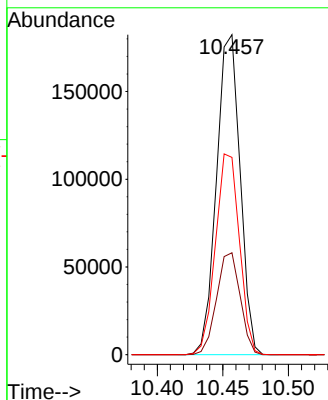
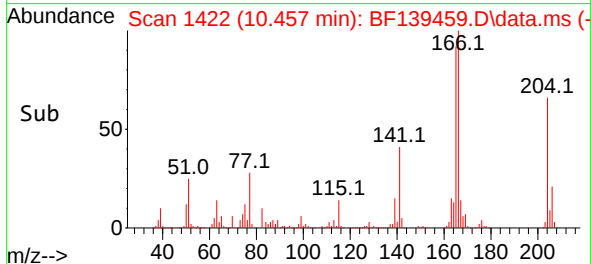
Instrument :
BNA_F
ClientSampleId :
PB163495BS



Tgt Ion:204 Resp: 228294
Ion Ratio Lower Upper
204 100
206 31.9 26.2 39.2
141 61.7 53.9 80.9

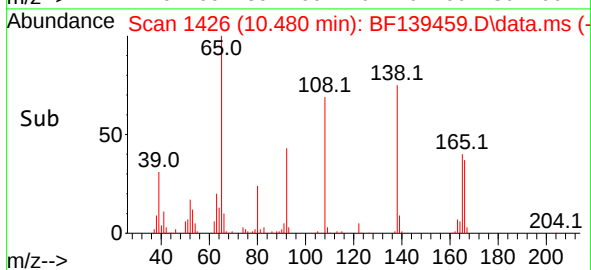
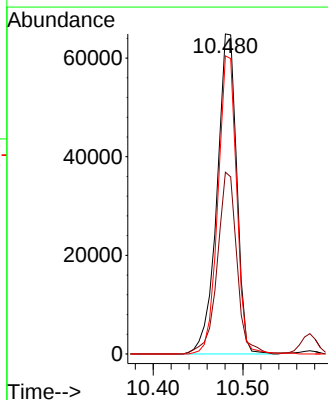
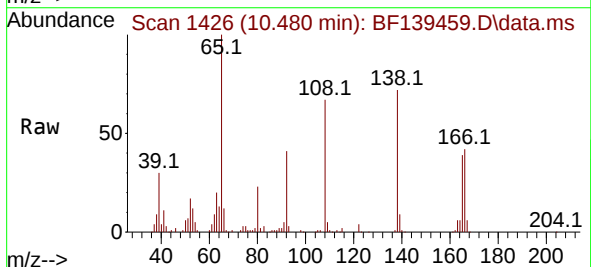
Manual Integrations
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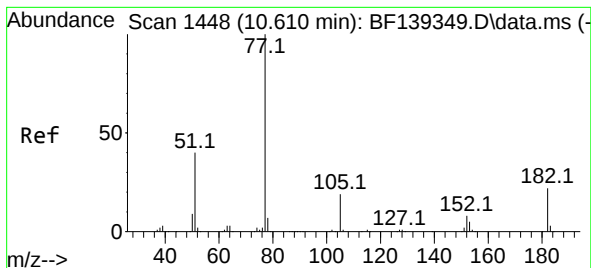
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#62
4-Nitroaniline
Concen: 38.293 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion:138 Resp: 99080
Ion Ratio Lower Upper
138 100
92 56.8 37.0 77.0
108 93.1 84.4 124.4





#63

Azobenzene

Concen: 43.459 ng

RT: 10.616 min Scan# 1448

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

Tgt Ion: 77 Resp: 47234

Ion Ratio Lower Upper

77 100

182 23.6 1.8 41.8

105 19.3 0.0 38.6

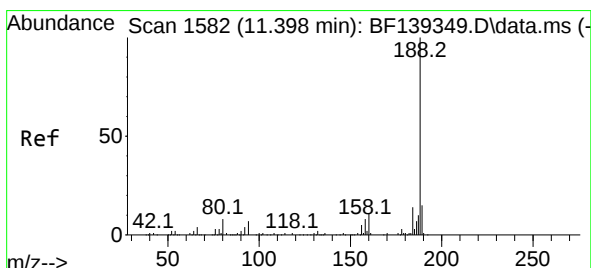
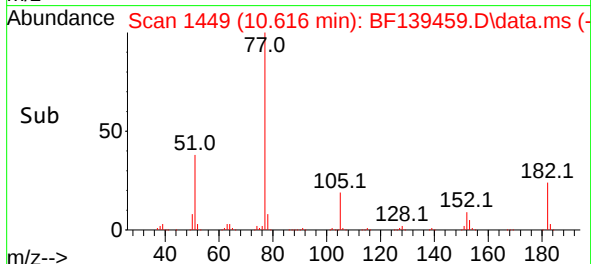
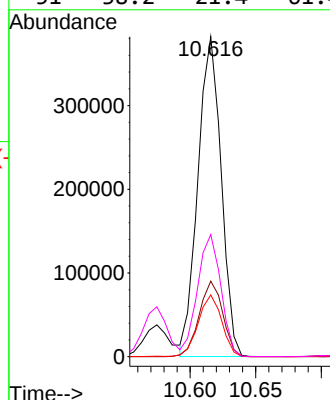
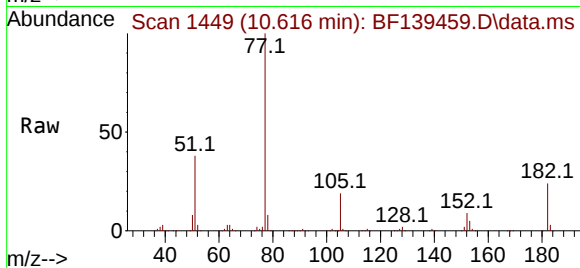
51 38.2 21.4 61.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

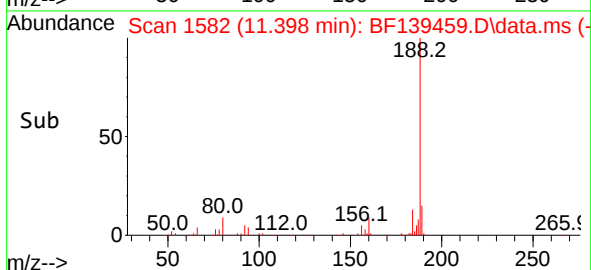
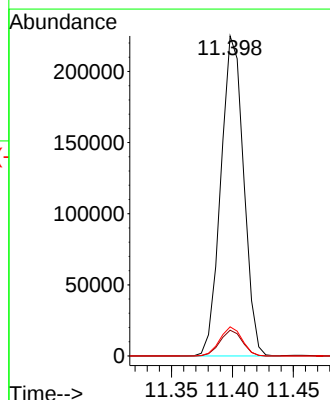
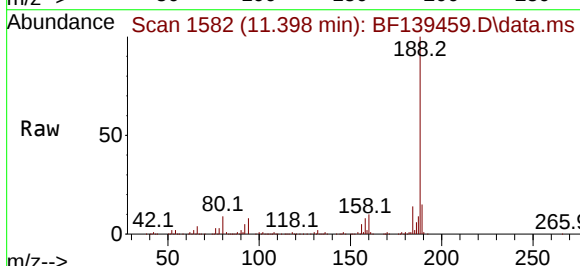
Tgt Ion:188 Resp: 293302

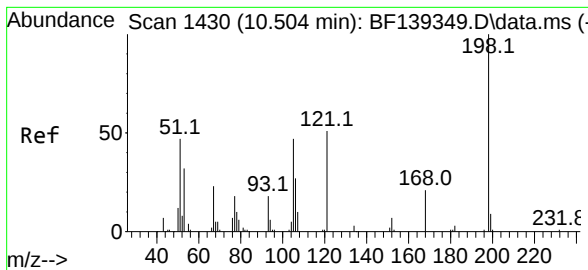
Ion Ratio Lower Upper

188 100

94 8.1 5.5 8.3

80 9.1 6.6 9.8





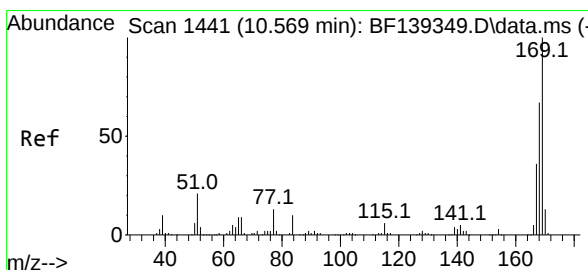
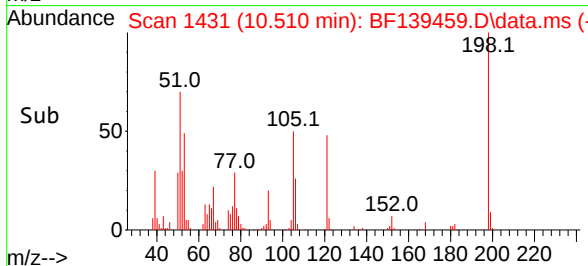
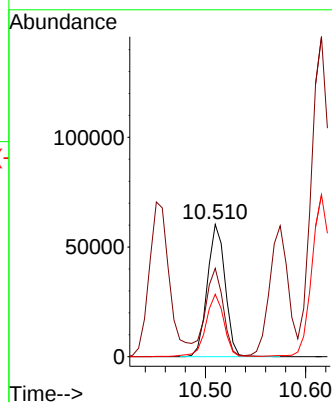
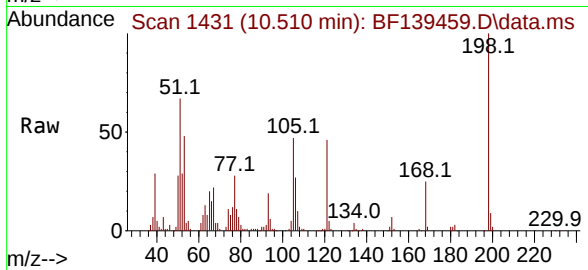
#65
4,6-Dinitro-2-methylphenol
Concen: 47.969 ng
RT: 10.510 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :
BNA_F
ClientSampleId :
PB163495BS

Tgt Ion:198 Resp: 7425
Ion Ratio Lower Upper
198 100
51 66.7 50.4 90.4
105 47.2 28.3 68.3

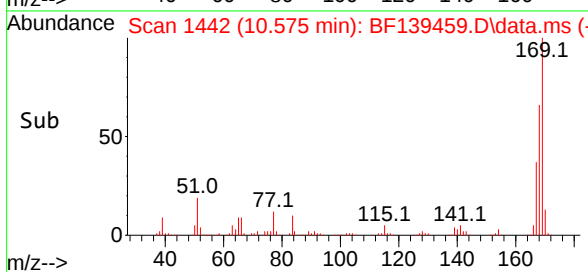
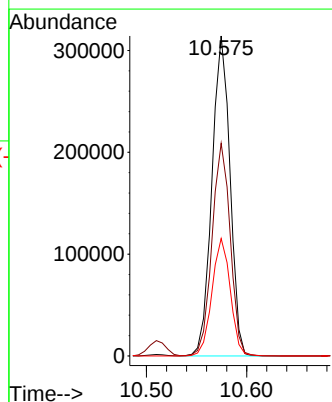
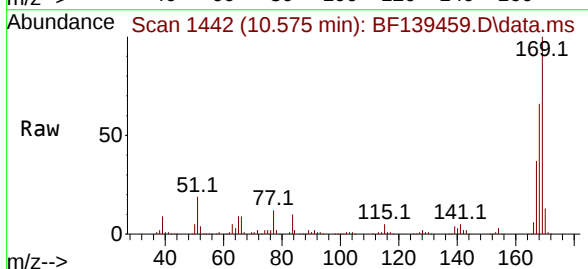
Manual Integrations
APPROVED

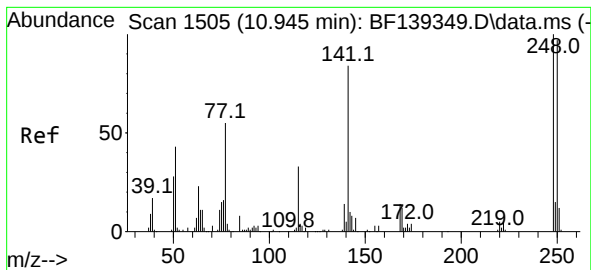
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#66
n-Nitrosodiphenylamine
Concen: 45.921 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

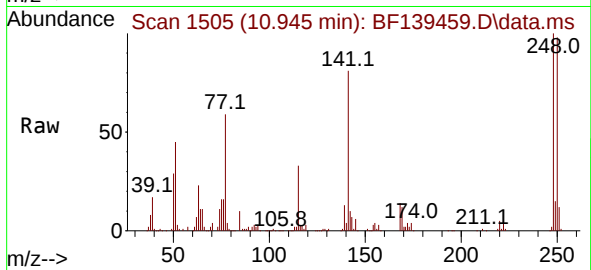
Tgt Ion:169 Resp: 393779
Ion Ratio Lower Upper
169 100
168 66.4 53.6 80.4
167 36.7 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 45.496 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

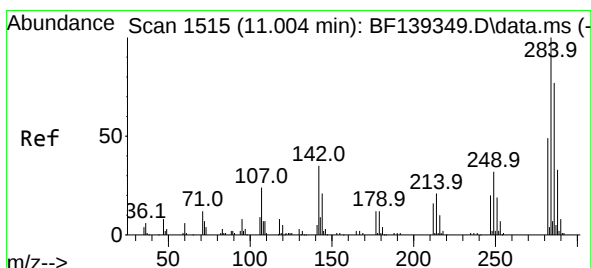
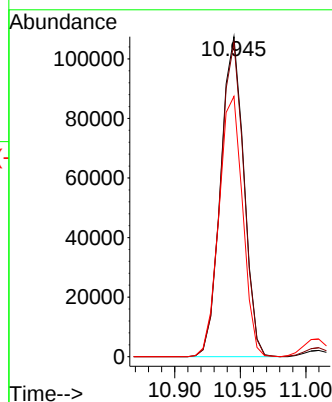
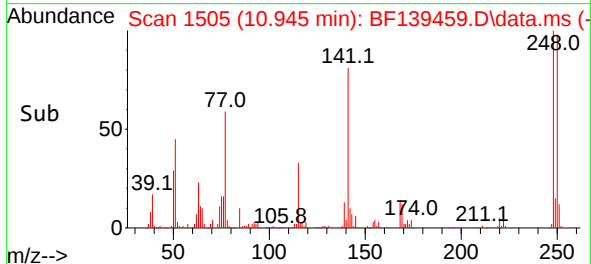
Instrument :
BNA_F
ClientSampleId :
PB163495BS



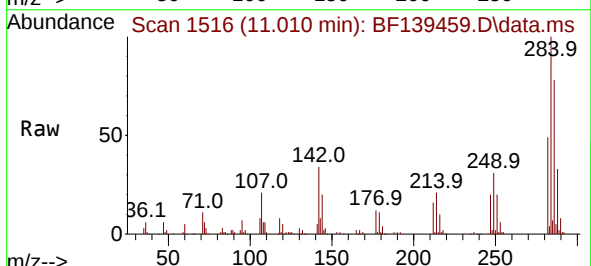
Tgt Ion:248 Resp: 132230
Ion Ratio Lower Upper
248 100
250 98.2 77.6 116.4
141 81.3 66.9 100.3

Manual Integrations
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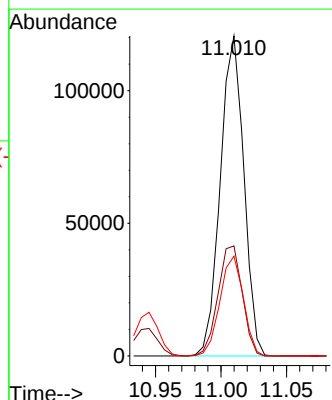
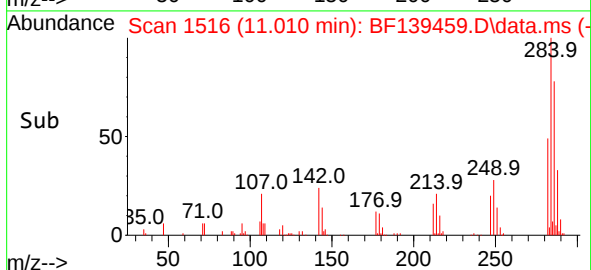
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

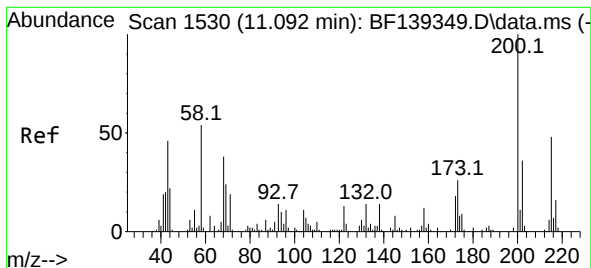


#68
Hexachlorobenzene
Concen: 44.043 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29



Tgt Ion:284 Resp: 150238
Ion Ratio Lower Upper
284 100
142 34.4 28.0 42.0
249 31.2 25.3 37.9





#69

Atrazine

Concen: 62.699 ng

RT: 11.098 min Scan# 1530

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

Tgt Ion:200 Resp: 127998

Ion Ratio Lower Upper

200 100

173 27.1 6.1 46.1

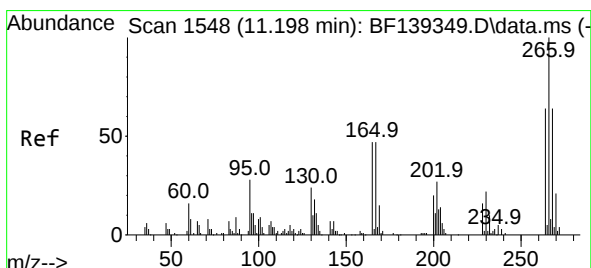
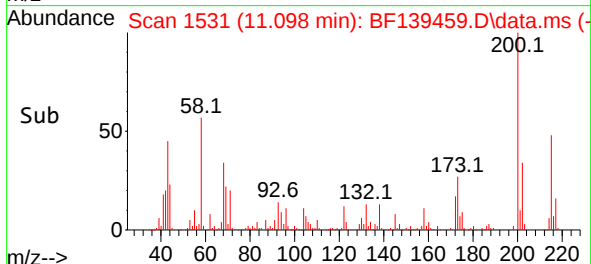
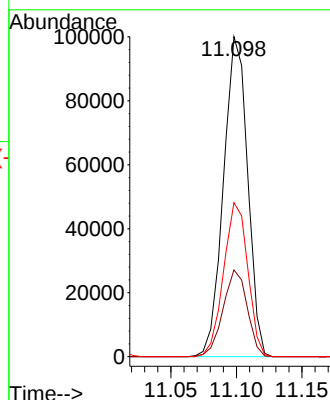
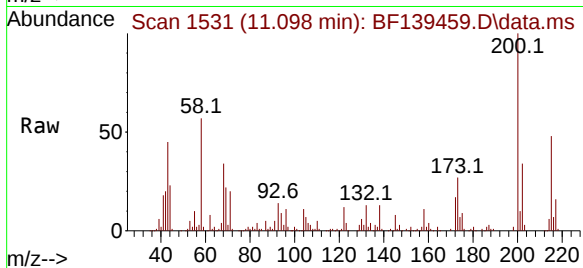
215 48.2 28.2 68.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#70

Pentachlorophenol

Concen: 81.526 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

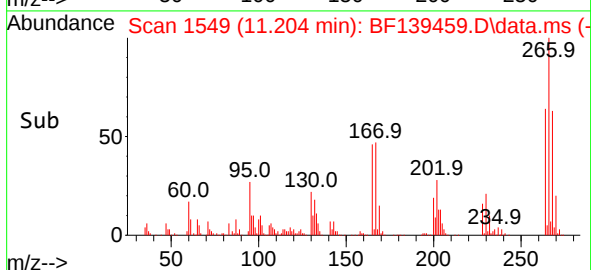
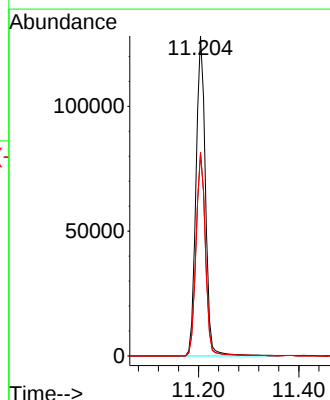
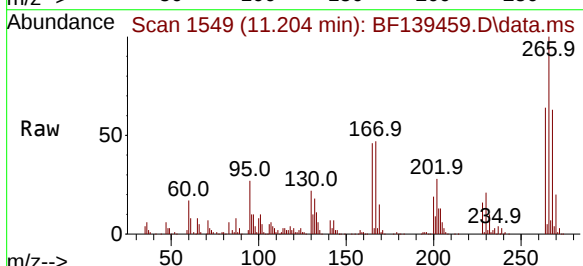
Tgt Ion:266 Resp: 166873

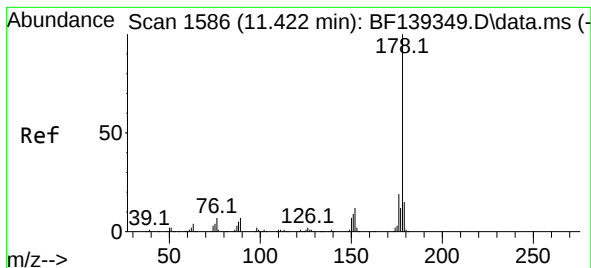
Ion Ratio Lower Upper

266 100

268 63.3 51.1 76.7

264 63.7 51.4 77.0





#71

Phenanthrene

Concen: 44.624 ng

RT: 11.427 min Scan# 1586

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

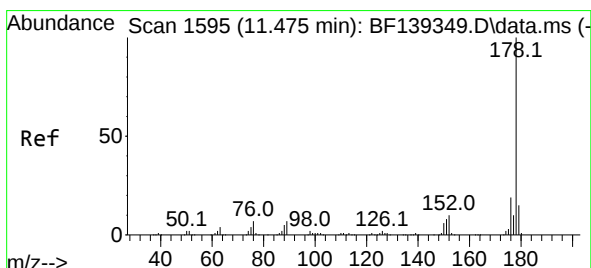
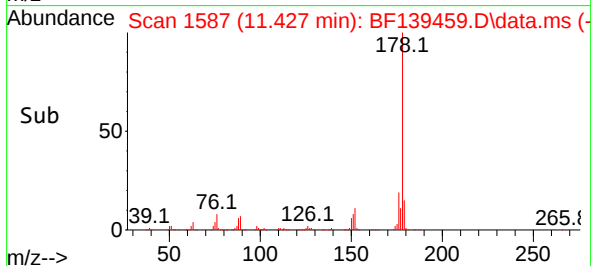
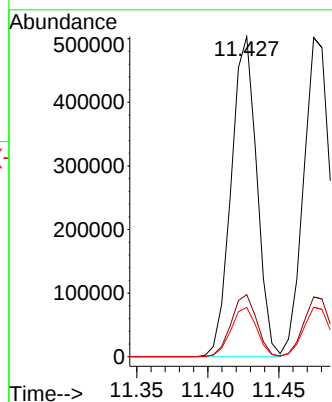
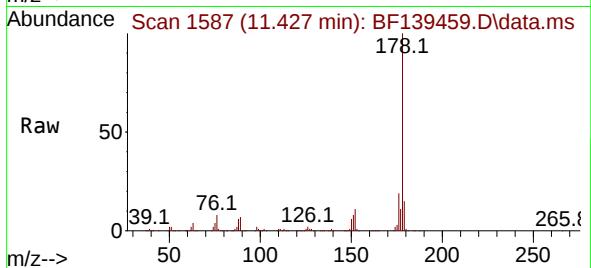
Tgt Ion:178	Resp: 63145
Ion Ratio	Lower Upper
178	100
176	19.4 15.2 22.8
179	15.4 12.2 18.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#72

Anthracene

Concen: 46.640 ng

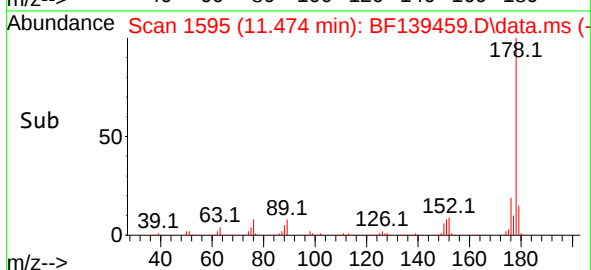
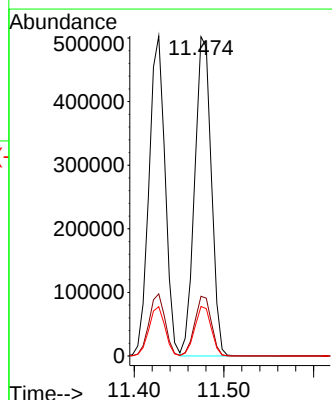
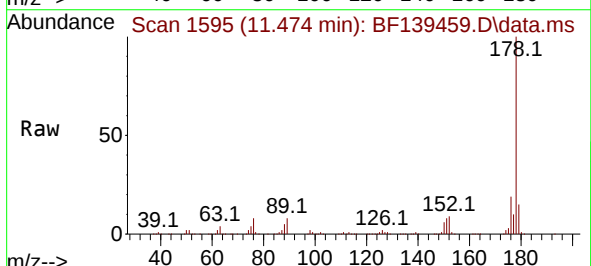
RT: 11.474 min Scan# 1595

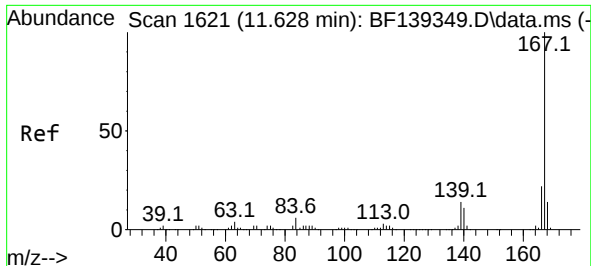
Delta R.T. -0.000 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

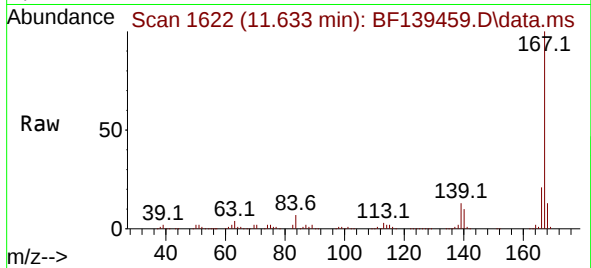
Tgt Ion:178	Resp: 645281
Ion Ratio	Lower Upper
178	100
176	18.7 15.0 22.6
179	15.5 12.0 18.0





#73
Carbazole
Concen: 42.813 ng
RT: 11.633 min Scan# 1622
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

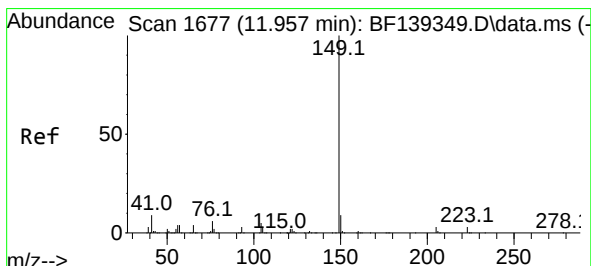
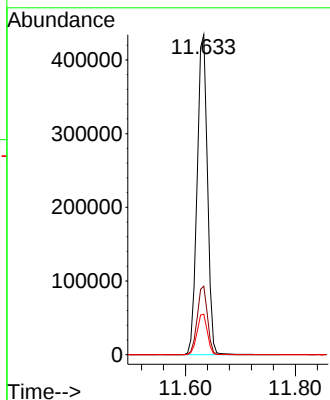
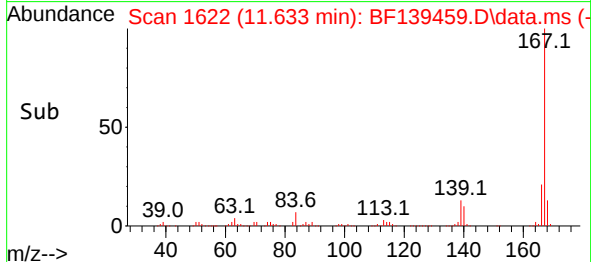
Instrument :
BNA_F
ClientSampleId :
PB163495BS



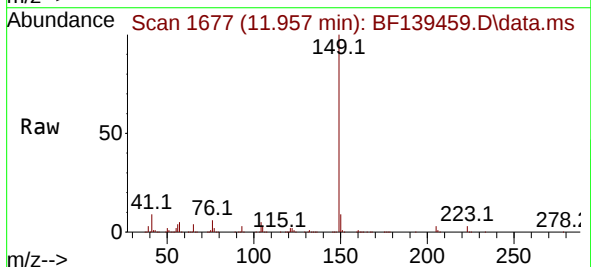
Tgt Ion:167 Resp: 566920
Ion Ratio Lower Upper
167 100
166 21.4 17.5 26.3
139 12.7 10.9 16.3

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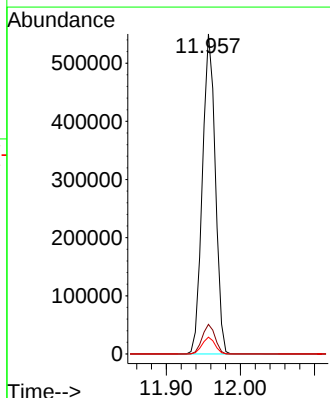
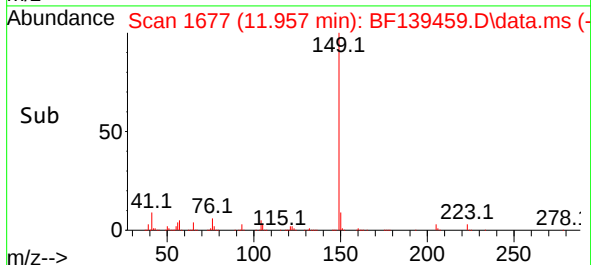
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024

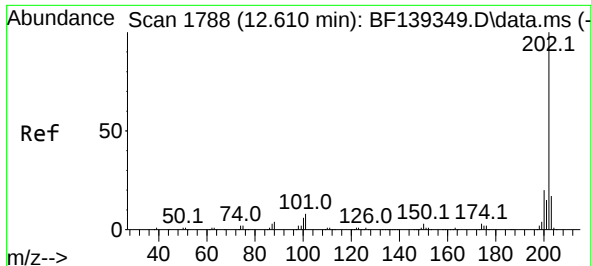


#74
Di-n-butylphthalate
Concen: 45.117 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29



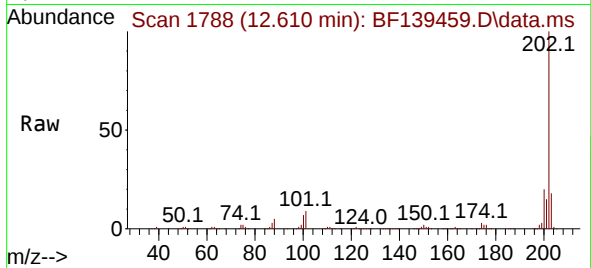
Tgt Ion:149 Resp: 665512
Ion Ratio Lower Upper
149 100
150 9.3 7.3 10.9
104 5.2 4.3 6.5





#75
Fluoranthene
Concen: 40.887 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

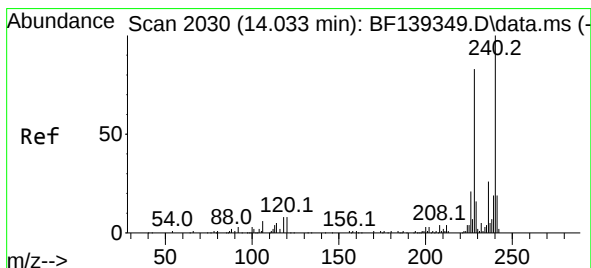
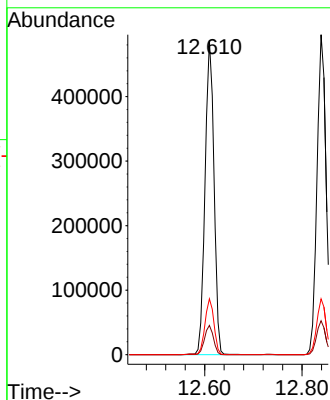
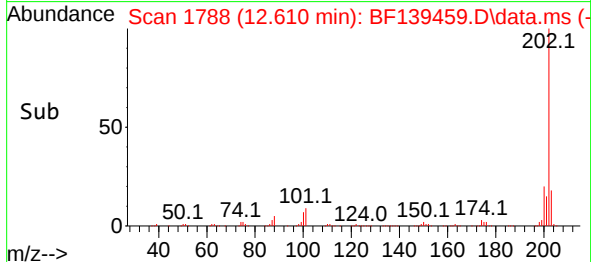
Instrument :
BNA_F
ClientSampleId :
PB163495BS



Tgt Ion:202 Resp: 617874
Ion Ratio Lower Upper
202 100
101 9.3 0.0 27.7
203 17.8 0.0 37.4

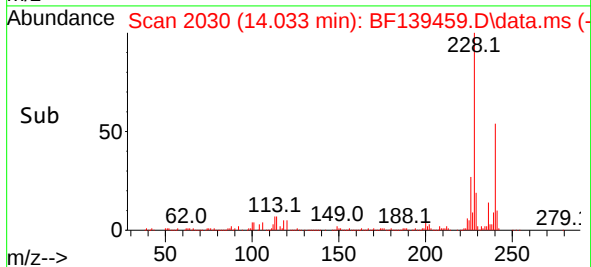
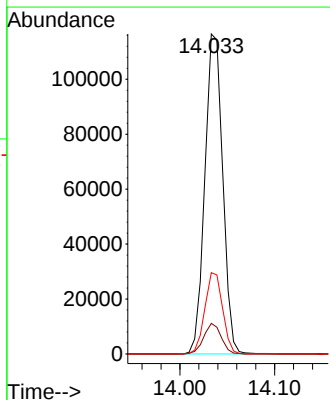
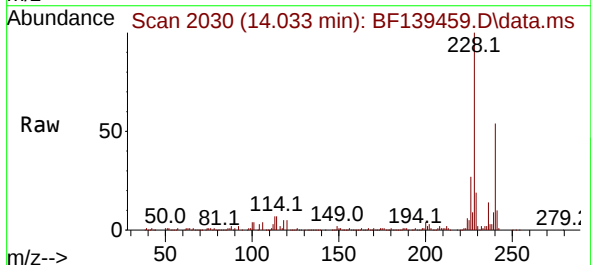
Manual Integrations
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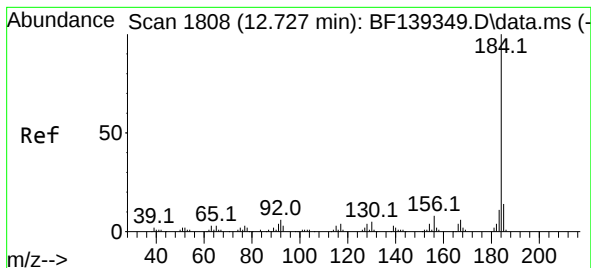
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion:240 Resp: 152717
Ion Ratio Lower Upper
240 100
120 9.5 6.2 9.2#
236 25.4 20.9 31.3





#77

Benzidine

Concen: 66.429 ng

RT: 12.733 min Scan# 1809

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

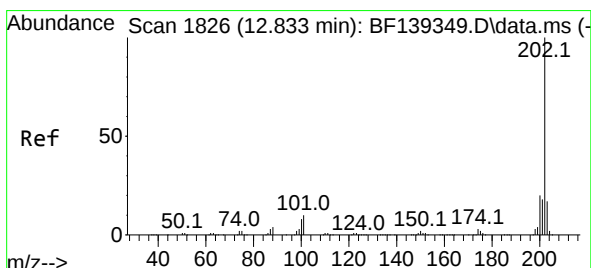
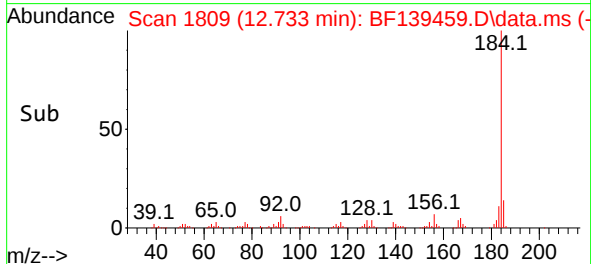
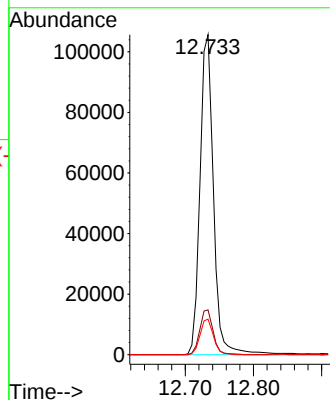
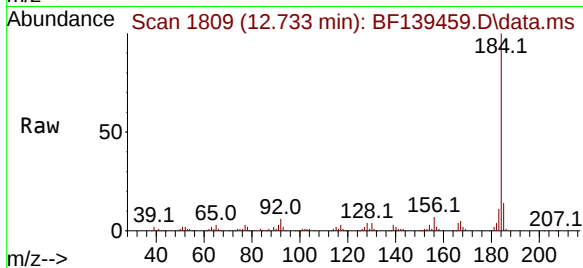
Tgt Ion:184	Resp: 145340
Ion Ratio	Lower Upper
184	100
185	14.0 11.5 17.3
183	11.1 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#78

Pyrene

Concen: 48.295 ng

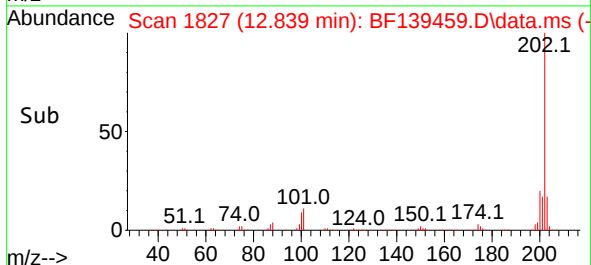
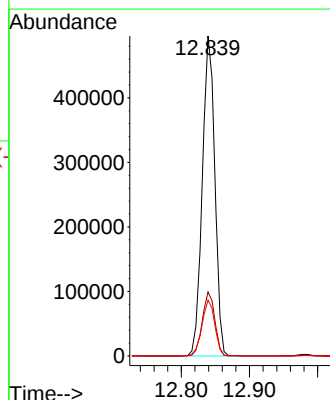
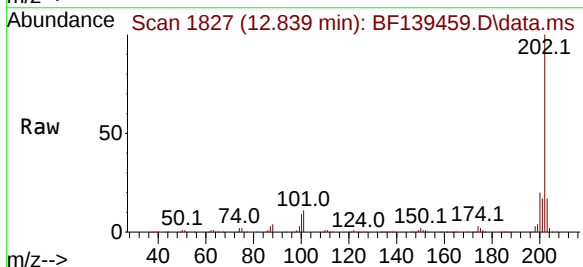
RT: 12.839 min Scan# 1827

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Tgt Ion:202	Resp: 633282
Ion Ratio	Lower Upper
202	100
200	20.0 16.2 24.2
203	17.5 13.9 20.9





#79

Terphenyl-d14

Concen: 93.783 ng

RT: 12.980 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139459.D

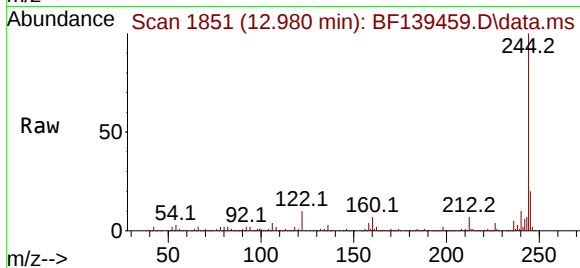
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS



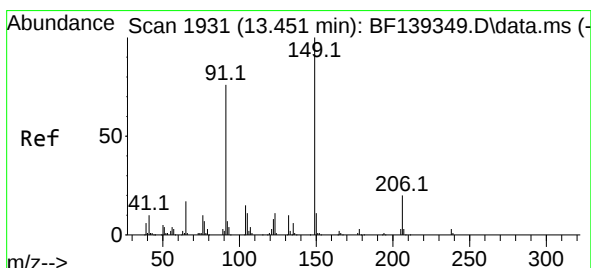
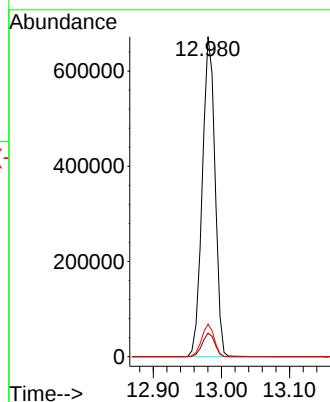
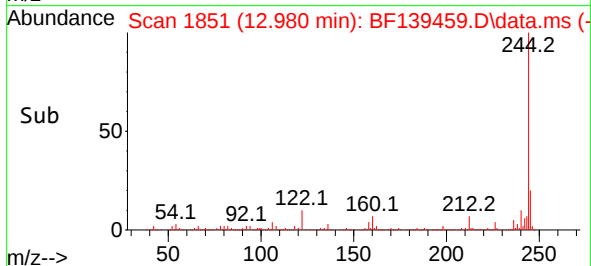
Tgt Ion:	244	Resp:	87256
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.0	9.0
122	10.1	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#80

Butylbenzylphthalate

Concen: 49.306 ng

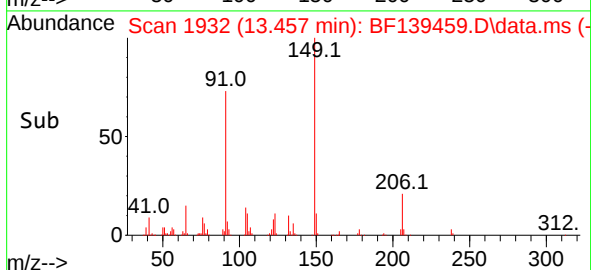
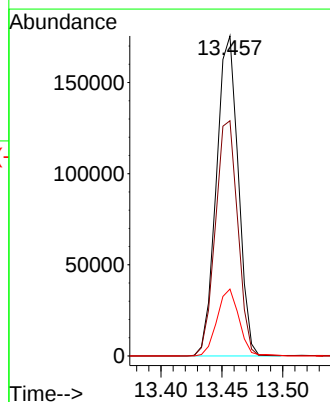
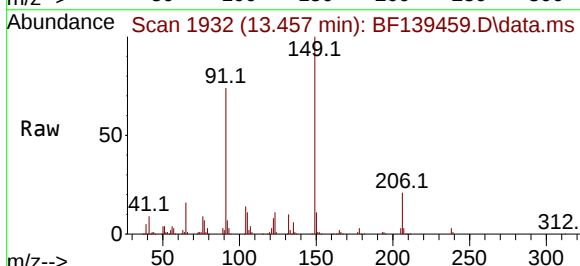
RT: 13.457 min Scan# 1932

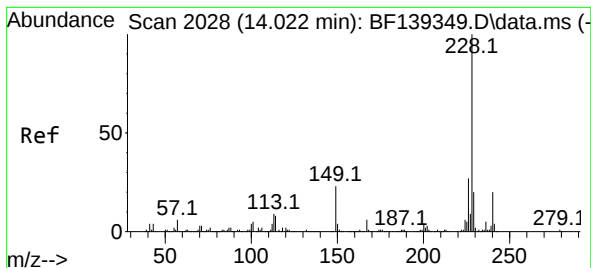
Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Tgt Ion:	149	Resp:	220070
Ion Ratio	Lower	Upper	
149	100		
91	73.5	60.9	91.3
206	20.9	15.8	23.8





#81

Benzo(a)anthracene

Concen: 46.801 ng

RT: 14.027 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

Tgt Ion:228 Resp: 47343

Ion Ratio Lower Upper

228 100

226 27.1 21.6 32.4

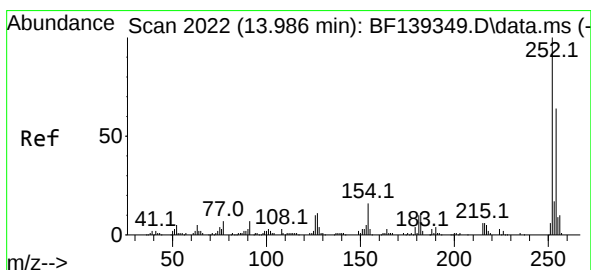
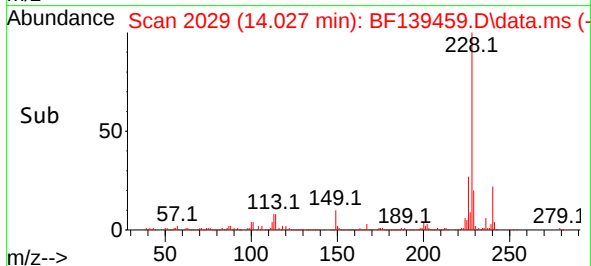
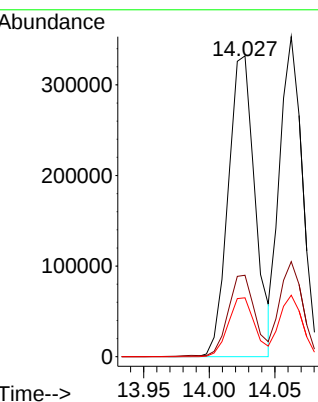
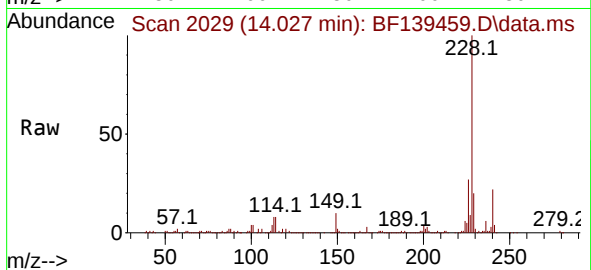
229 19.6 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#82

3,3'-Dichlorobenzidine

Concen: 34.214 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

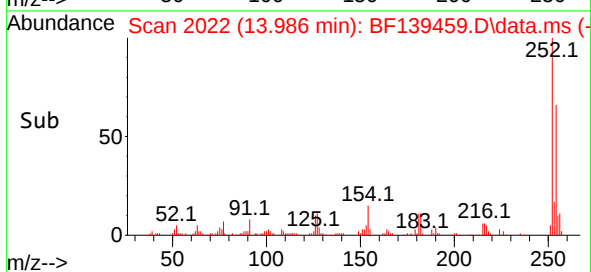
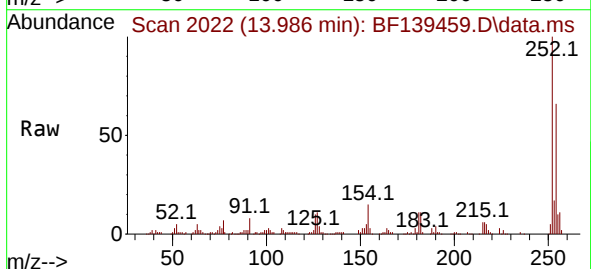
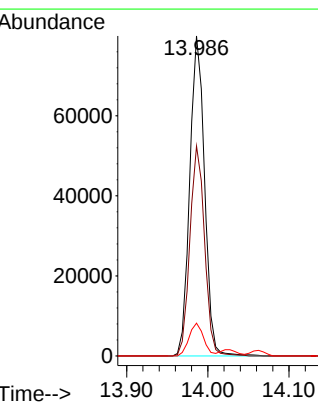
Tgt Ion:252 Resp: 101358

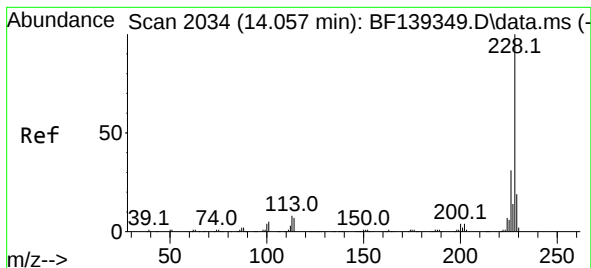
Ion Ratio Lower Upper

252 100

254 65.6 51.4 77.2

126 10.2 7.7 11.5





#83

Chrysene

Concen: 45.611 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

Tgt Ion:228 Resp: 42449

Ion Ratio Lower Upper

228 100

226 29.7 24.1 36.1

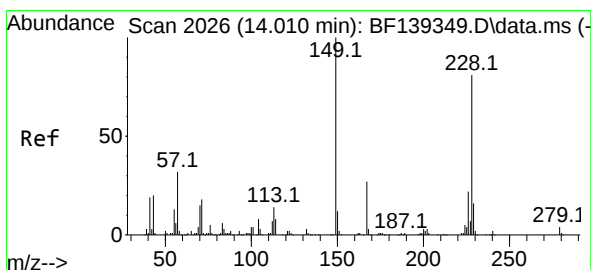
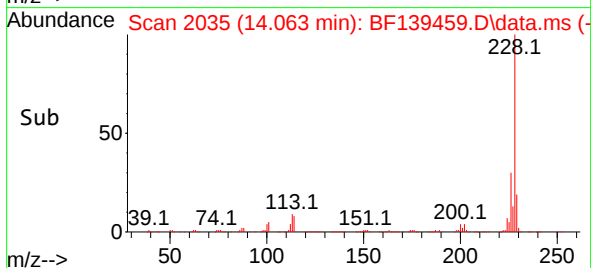
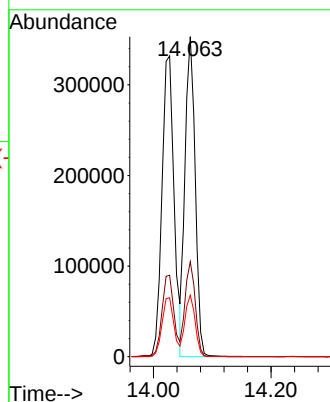
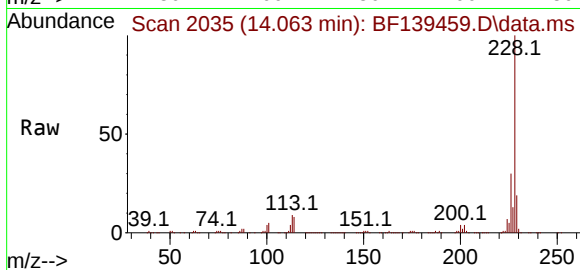
229 19.2 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.190 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

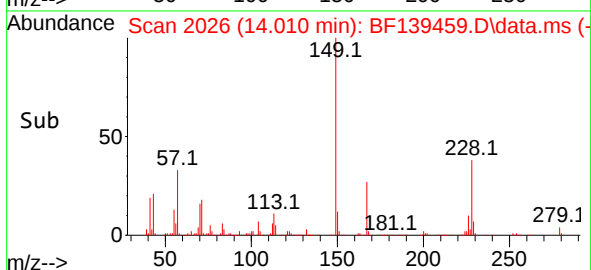
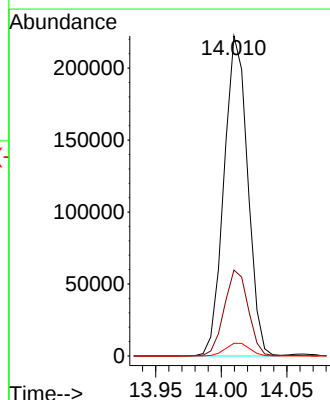
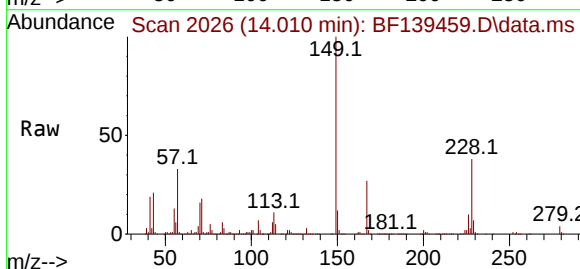
Tgt Ion:149 Resp: 279300

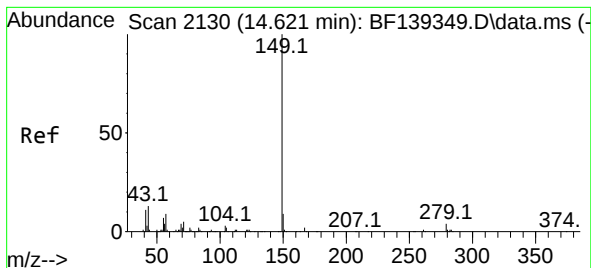
Ion Ratio Lower Upper

149 100

167 26.8 21.6 32.4

279 4.0 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 51.014 ng

RT: 14.621 min Scan# 2130

Delta R.T. -0.000 min

Lab File: BF139459.D

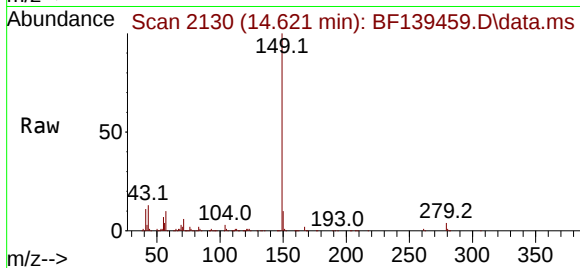
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS



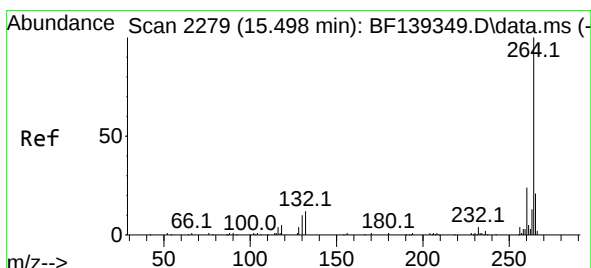
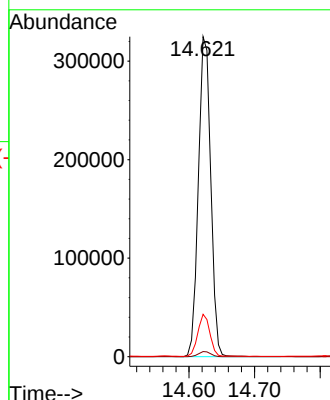
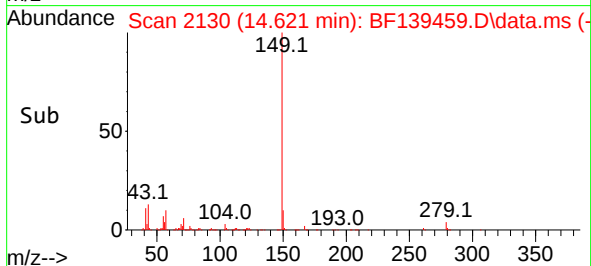
Tgt Ion:	149	Resp:	426579
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	12.8	10.6	16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#86

Perylene-d12

Concen: 20.000 ng

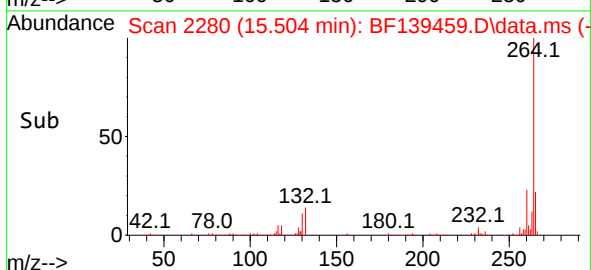
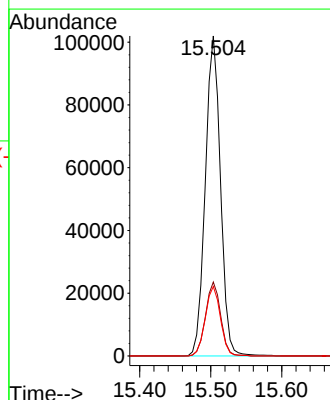
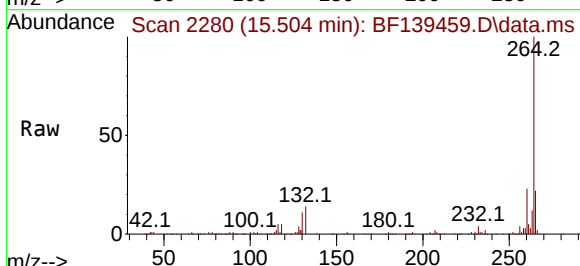
RT: 15.504 min Scan# 2280

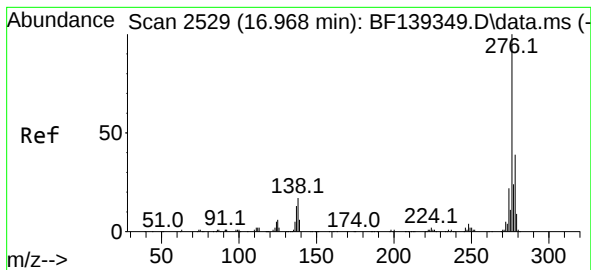
Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Tgt Ion:	264	Resp:	151644
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.5	29.3
265	21.7	16.6	25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 46.964 ng
RT: 16.980 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

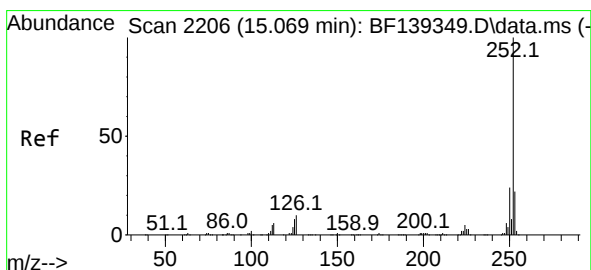
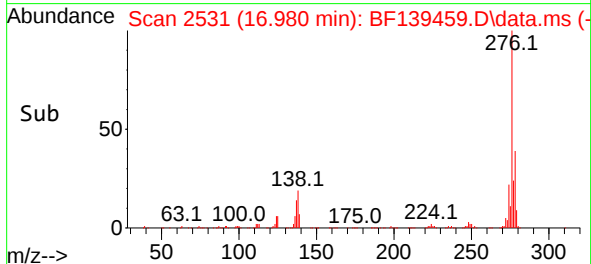
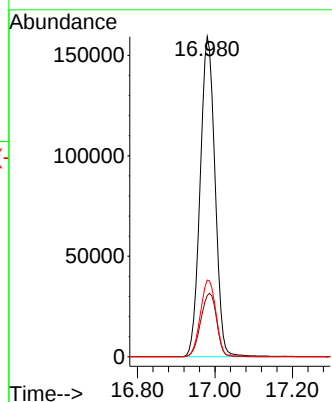
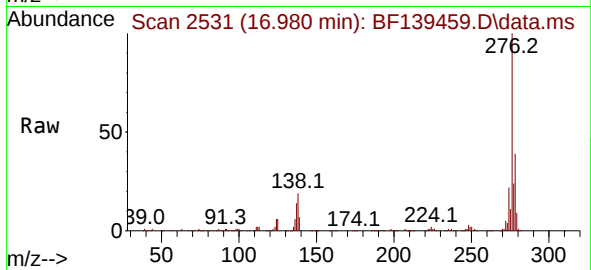
PB163495BS

Tgt Ion:276 Resp: 42348
Ion Ratio Lower Upper
276 100
138 21.2 15.4 23.2
277 25.1 20.4 30.6

Manual Integrations

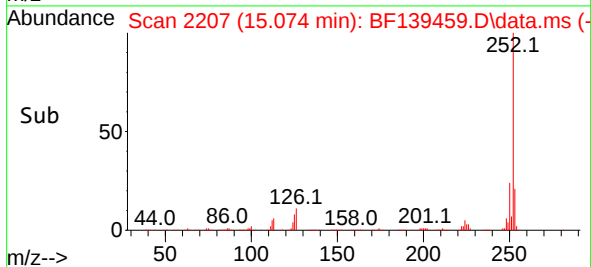
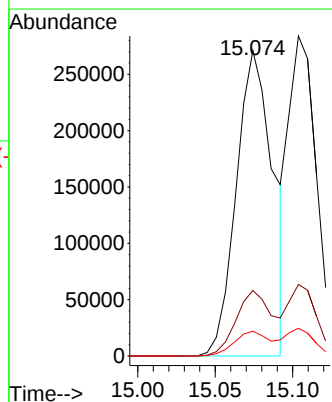
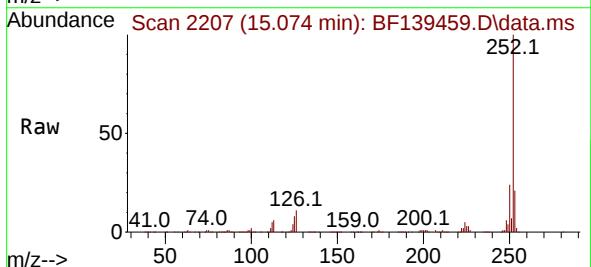
APPROVED

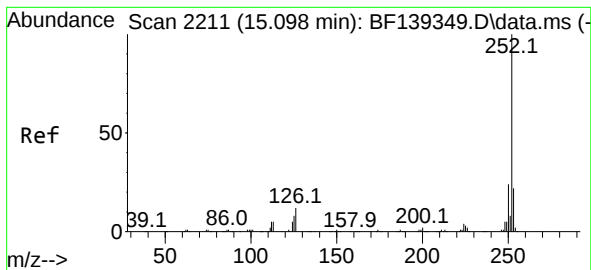
Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#88
Benzo(b)fluoranthene
Concen: 47.529 ng
RT: 15.074 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion:252 Resp: 444513
Ion Ratio Lower Upper
252 100
253 21.4 17.6 26.4
125 8.1 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 41.402 ng

RT: 15.104 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

PB163495BS

Tgt Ion:252 Resp: 357014

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

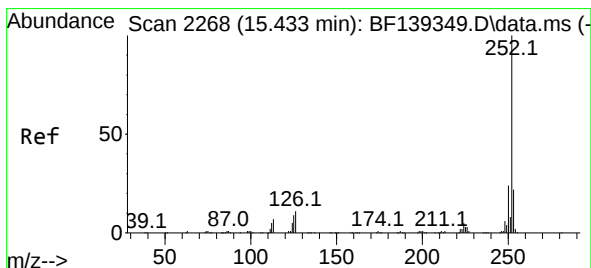
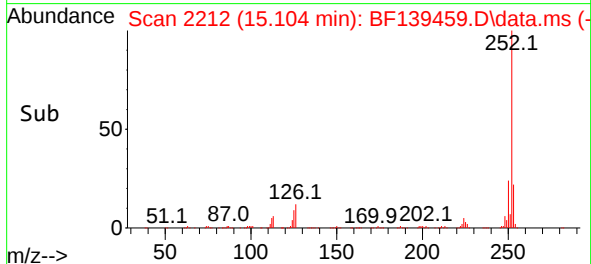
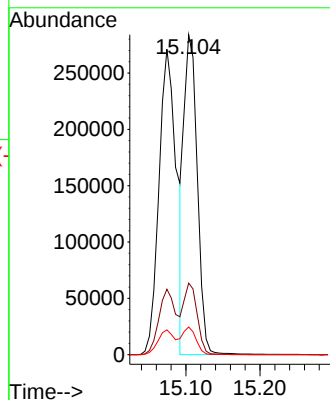
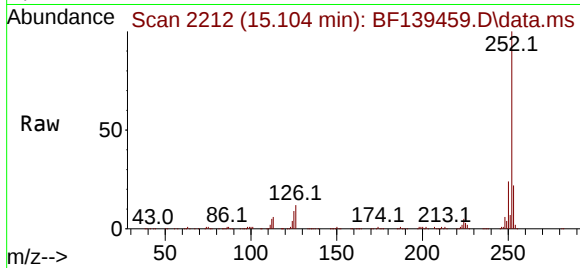
125 8.6 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024

Supervised By :mohammad ahmed 09/22/2024



#90

Benzo(a)pyrene

Concen: 48.836 ng

RT: 15.445 min Scan# 2270

Delta R.T. 0.012 min

Lab File: BF139459.D

Acq: 19 Sep 2024 12:29

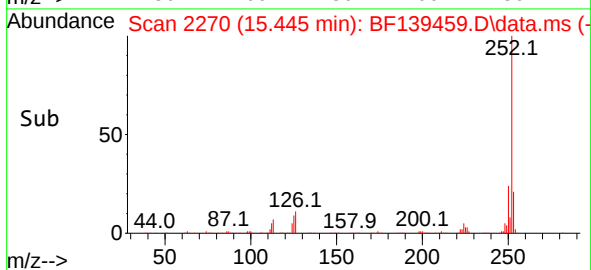
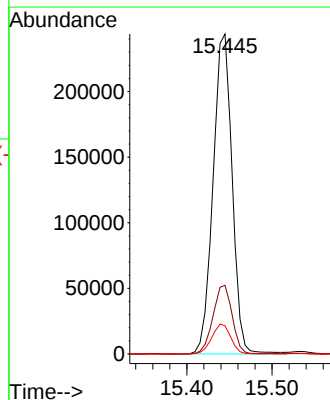
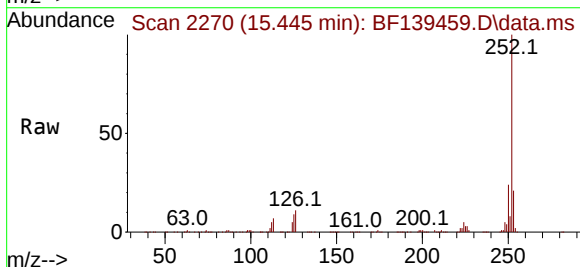
Tgt Ion:252 Resp: 378795

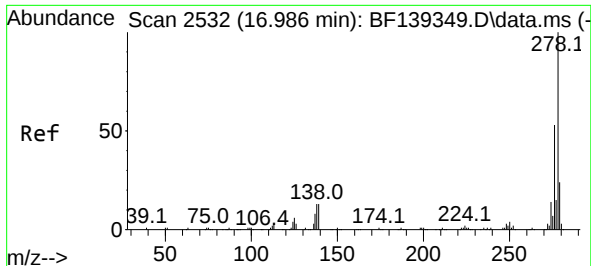
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

125 8.8 6.8 10.2





#91
Dibenzo(a,h)anthracene
Concen: 46.238 ng
RT: 16.998 min Scan# 2534
Delta R.T. 0.012 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Instrument :

BNA_F

ClientSampleId :

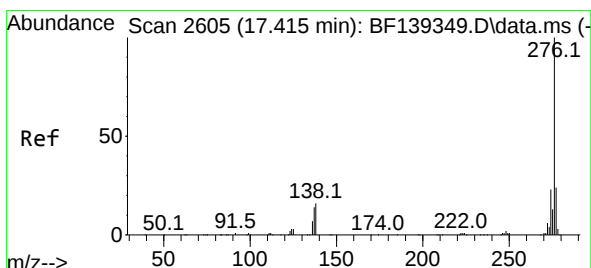
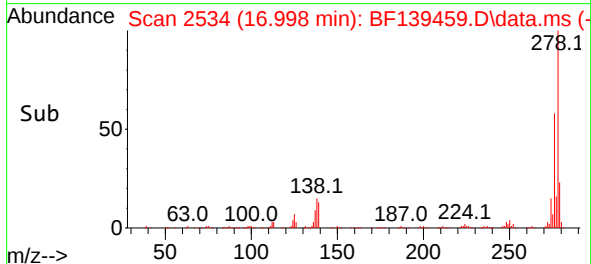
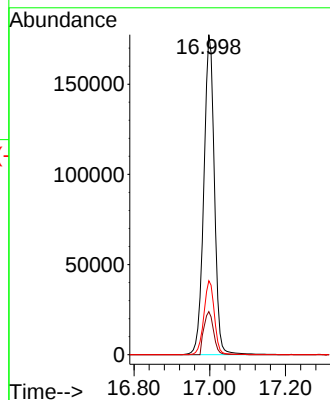
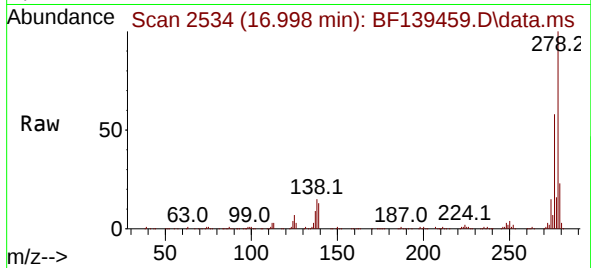
PB163495BS

Tgt Ion:278 Resp: 344520
Ion Ratio Lower Upper
278 100
139 13.5 10.2 15.2
279 23.1 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2024
Supervised By :mohammad ahmed 09/22/2024



#92
Benzo(g,h,i)perylene
Concen: 43.068 ng
RT: 17.427 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF139459.D
Acq: 19 Sep 2024 12:29

Tgt Ion:276 Resp: 317741
Ion Ratio Lower Upper
276 100
277 24.0 18.9 28.3
138 17.9 13.0 19.6

