

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
 Data File : BF136511.D
 Acq On : 12 Dec 2023 12:26
 Operator : CG\JU
 Sample : PB157455BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB157455BS

Quant Time: Dec 12 13:19:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	128635	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	551530	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	293123	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	548616	20.000	ng	0.00
76) Chrysene-d12	13.980	240	281695	20.000	ng	0.00
86) Perylene-d12	15.456	264	262413	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	993542	114.066	ng	0.02
7) Phenol-d6	6.451	99	1241085	114.203	ng	0.00
23) Nitrobenzene-d5	7.363	82	753199	73.828	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	431064	119.269	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1604289	74.680	ng	0.00
79) Terphenyl-d14	12.921	244	1781837	83.372	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.657	88	116215	33.733	ng	97
3) Pyridine	3.416	79	268362	32.165	ng	96
4) n-Nitrosodimethylamine	3.381	42	138579	38.231	ng	99
6) Aniline	6.463	93	388717	35.394	ng	# 6
8) 2-Chlorophenol	6.586	128	393544	41.387	ng	98
9) Benzaldehyde	6.351	77	199661	35.391	ng	98
10) Phenol	6.463	94	452145	39.100	ng	82
11) bis(2-Chloroethyl)ether	6.539	93	344340	39.949	ng	98
12) 1,3-Dichlorobenzene	6.739	146	397845	37.203	ng	99
13) 1,4-Dichlorobenzene	6.816	146	405471	37.378	ng	98
14) 1,2-Dichlorobenzene	6.969	146	388081	38.044	ng	98
15) Benzyl Alcohol	6.945	79	311446	42.798	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.075	45	424112	38.257	ng	94
17) 2-Methylphenol	7.063	107	317423	41.319	ng	94
18) Hexachloroethane	7.304	117	143014	37.761	ng	98
19) n-Nitroso-di-n-propyla...	7.216	70	252949	40.350	ng	99
20) 3+4-Methylphenols	7.216	107	390363	40.938	ng	# 84
22) Acetophenone	7.210	105	534934	39.277	ng	97
24) Nitrobenzene	7.381	77	378439	36.874	ng	100
25) Isophorone	7.622	82	713416	38.923	ng	98
26) 2-Nitrophenol	7.692	139	210040	41.629	ng	99
27) 2,4-Dimethylphenol	7.739	122	354526	56.985	ng	99
28) bis(2-Chloroethoxy)met...	7.833	93	444218	39.441	ng	98
29) 2,4-Dichlorophenol	7.939	162	335574	40.864	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	360090	37.605	ng	96
31) Naphthalene	8.098	128	1138941	37.447	ng	99
32) Benzoic acid	7.880	122	268688	43.535	ng	99
33) 4-Chloroaniline	8.151	127	295562	27.258	ng	98
34) Hexachlorobutadiene	8.210	225	207826	36.622	ng	99
35) Caprolactam	8.533	113	70873	28.025	ng	87
36) 4-Chloro-3-methylphenol	8.639	107	366669	42.053	ng	98
37) 2-Methylnaphthalene	8.792	142	752144	38.871	ng	95
38) 1-Methylnaphthalene	8.892	142	704729	37.116	ng	97
40) 1,2,4,5-Tetrachloroben...	8.957	216	368845	40.446	ng	99
41) Hexachlorocyclopentadiene	8.939	237	365768	108.263	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	247916	41.751	ng	97

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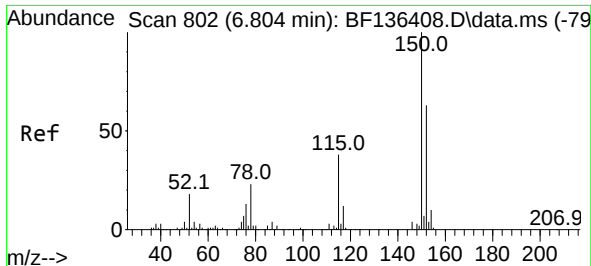
Quant Time: Dec 12 13:19:17 2023
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	268108	40.455	ng	95
46) 1,1'-Biphenyl	9.257	154	984377	39.467	ng	98
47) 2-Chloronaphthalene	9.280	162	737927	38.013	ng	98
48) 2-Nitroaniline	9.380	65	212583	40.830	ng	96
49) Acenaphthylene	9.698	152	1109453	40.119	ng	99
50) Dimethylphthalate	9.563	163	899923	41.700	ng	99
51) 2,6-Dinitrotoluene	9.627	165	199762	41.145	ng	95
52) Acenaphthene	9.869	154	696572	39.308	ng	97
53) 3-Nitroaniline	9.798	138	166880	33.660	ng	95
54) 2,4-Dinitrophenol	9.910	184	218411	88.976	ng	99
55) Dibenzofuran	10.045	168	1018192	39.331	ng	99
56) 4-Nitrophenol	9.974	139	305391	82.169	ng	93
57) 2,4-Dinitrotoluene	10.033	165	261527	40.719	ng	97
58) Fluorene	10.386	166	817806	39.353	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.163	232	231978	43.699	ng	98
60) Diethylphthalate	10.269	149	867968	40.901	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	400136	39.498	ng	96
62) 4-Nitroaniline	10.422	138	200983	40.826	ng	99
63) Azobenzene	10.539	77	764439	39.576	ng	96
65) 4,6-Dinitro-2-methylph...	10.445	198	151989	44.734	ng	90
66) n-Nitrosodiphenylamine	10.504	169	741858	42.142	ng	98
67) 4-Bromophenyl-phenylether	10.869	248	262239	41.113	ng	# 91
68) Hexachlorobenzene	10.933	284	298755	40.525	ng	98
69) Atrazine	11.039	200	330078	65.694	ng	97
70) Pentachlorophenol	11.133	266	304016	73.068	ng	99
71) Phenanthrene	11.357	178	1250986	41.486	ng	100
72) Anthracene	11.404	178	1261966	41.550	ng	99
73) Carbazole	11.563	167	1075589	40.012	ng	100
74) Di-n-butylphthalate	11.898	149	1341249	40.700	ng	100
75) Fluoranthene	12.545	202	1195400	37.829	ng	98
77) Benzidine	12.668	184	311466	44.831	ng	99
78) Pyrene	12.774	202	1173090	42.522	ng	98
80) Butylbenzylphthalate	13.398	149	423875	43.161	ng	91
81) Benzo(a)anthracene	13.968	228	810450	41.304	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	251915	45.790	ng	98
83) Chrysene	14.009	228	771358	39.956	ng	100
84) Bis(2-ethylhexyl)phtha...	13.962	149	517236	42.962	ng	98
85) Di-n-octyl phthalate	14.580	149	770463	43.325	ng	99
87) Indeno(1,2,3-cd)pyrene	16.968	276	854971	46.898	ng	99
88) Benzo(b)fluoranthene	15.027	252	741644	41.336	ng	99
89) Benzo(k)fluoranthene	15.057	252	696519	41.193	ng	100
90) Benzo(a)pyrene	15.398	252	635978	42.922	ng	99
91) Dibenzo(a,h)anthracene	16.986	278	712646	47.716	ng	100
92) Benzo(g,h,i)perylene	17.427	276	707499	46.153	ng	100

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

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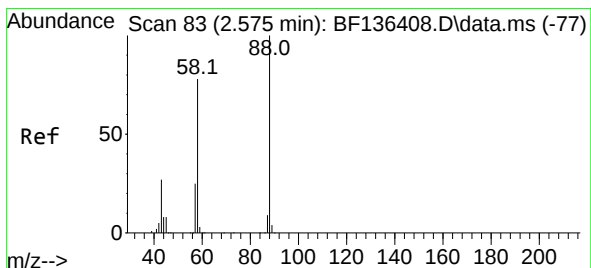
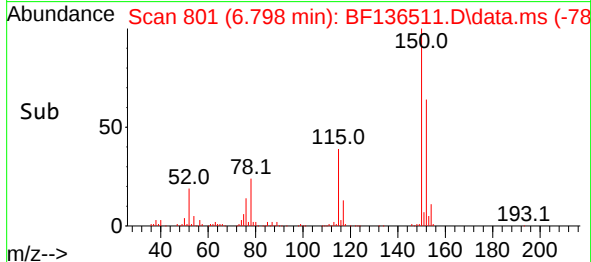
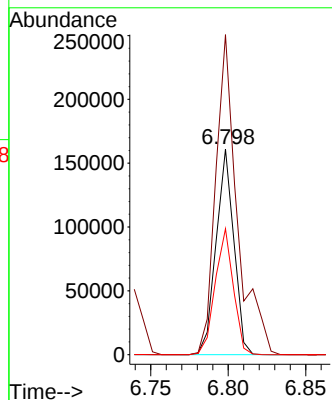
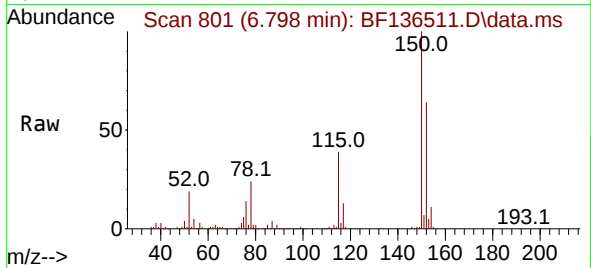




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

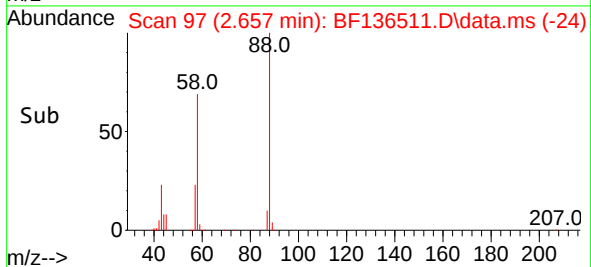
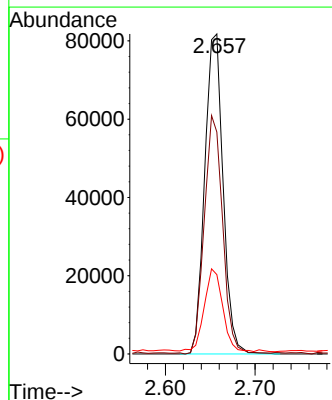
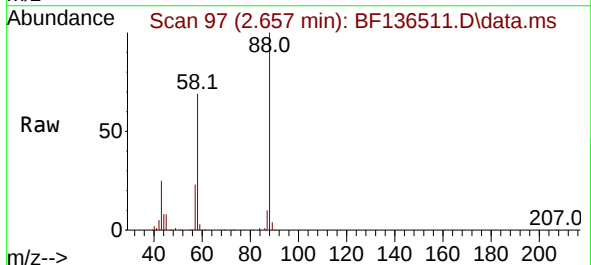
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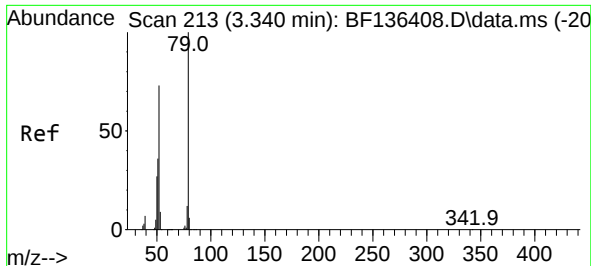
Tgt Ion:152 Resp: 128635
Ion Ratio Lower Upper
152 100
150 155.7 126.4 189.6
115 61.3 48.2 72.4



#2
1,4-Dioxane
Concen: 33.733 ng
RT: 2.657 min Scan# 97
Delta R.T. 0.082 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion: 88 Resp: 116215
Ion Ratio Lower Upper
88 100
58 74.7 62.2 93.2
43 25.8 21.5 32.3

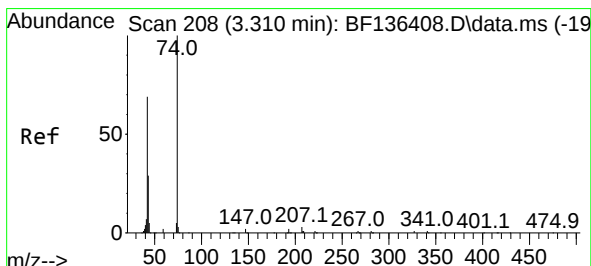
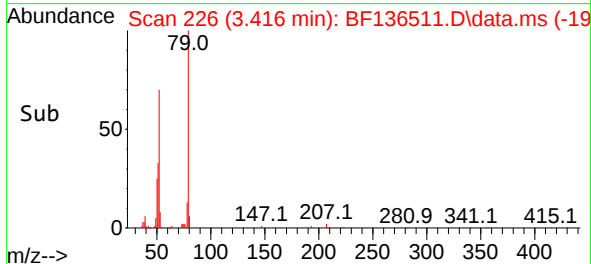
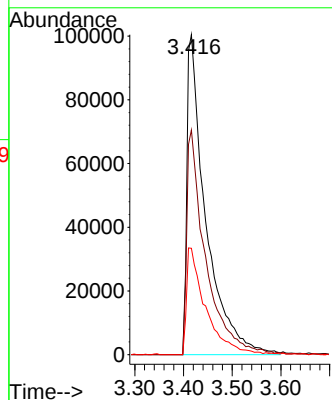
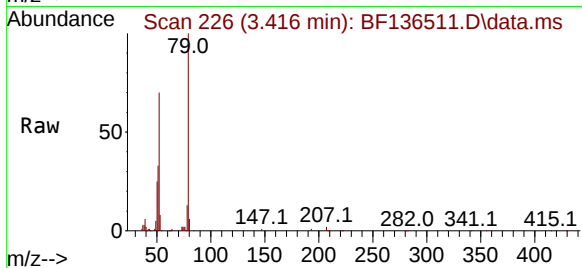




#3
Pyridine
Concen: 32.165 ng
RT: 3.416 min Scan# 21
Delta R.T. 0.076 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

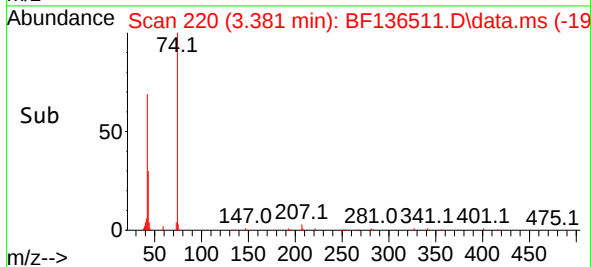
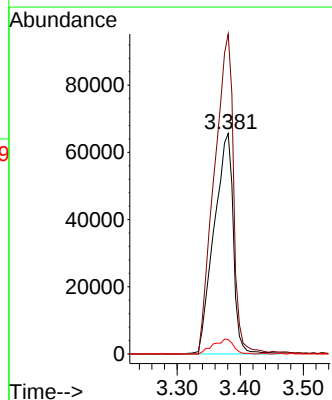
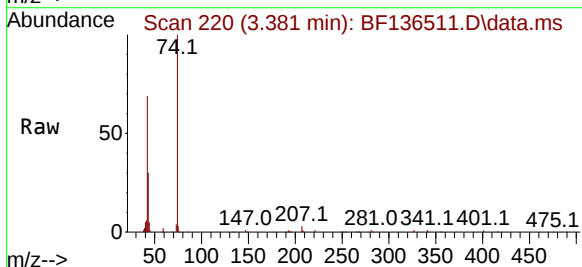
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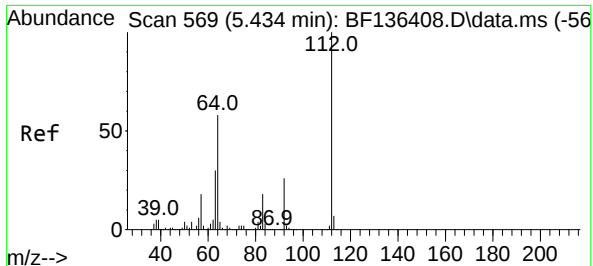
Tgt Ion: 79 Resp: 268362
Ion Ratio Lower Upper
79 100
52 70.2 58.2 87.2
51 33.3 29.1 43.7



#4
n-Nitrosodimethylamine
Concen: 38.231 ng
RT: 3.381 min Scan# 220
Delta R.T. 0.070 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion: 42 Resp: 138579
Ion Ratio Lower Upper
42 100
74 145.1 115.4 173.0
44 6.5 6.2 9.2

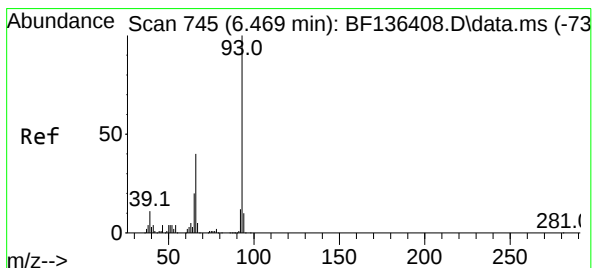
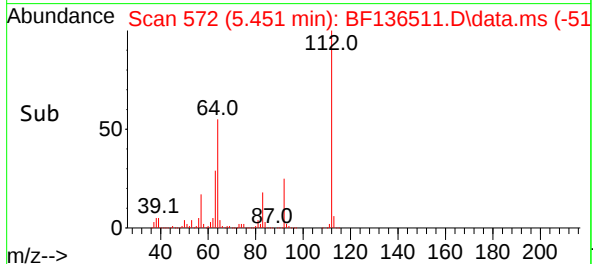
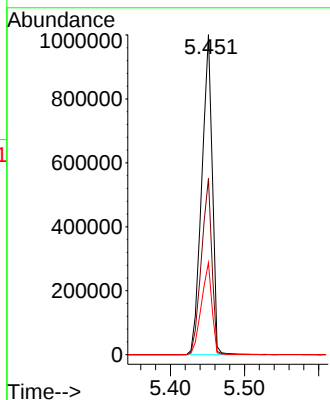
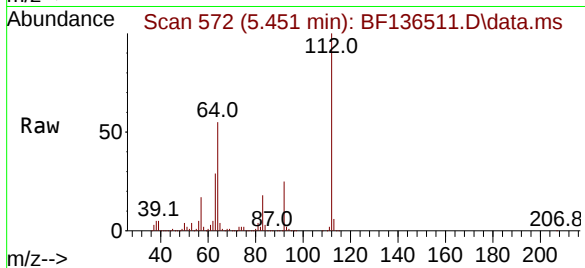




#5
2-Fluorophenol
Concen: 114.066 ng
RT: 5.451 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

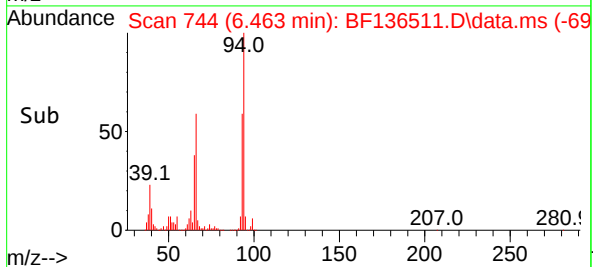
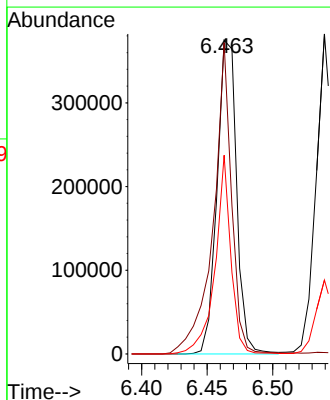
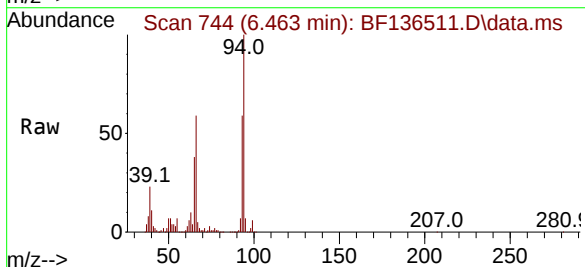
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ClientSampleId :
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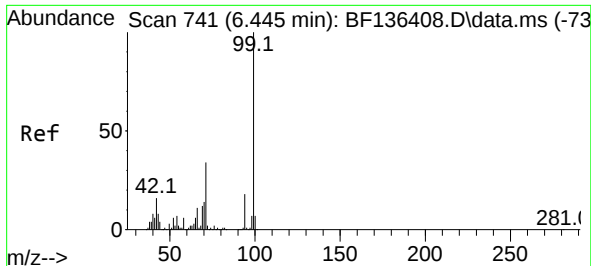
Tgt Ion:112 Resp: 993542
Ion Ratio Lower Upper
112 100
64 55.1 46.5 69.7
63 28.7 23.9 35.9



#6
Aniline
Concen: 35.394 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion: 93 Resp: 388717
Ion Ratio Lower Upper
93 100
66 99.2 32.5 48.7#
65 63.3 16.4 24.6#

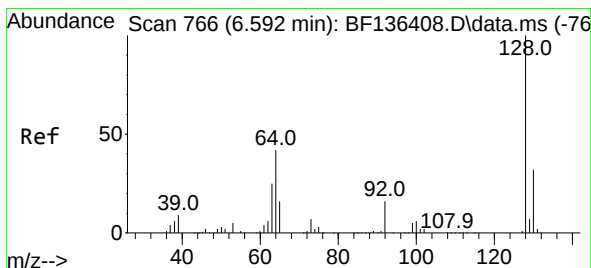
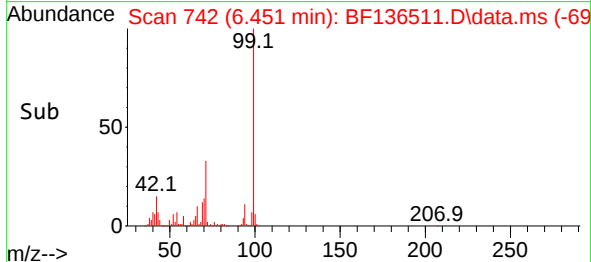
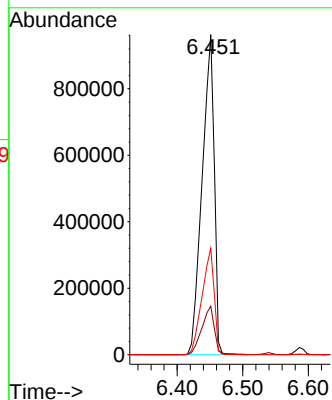
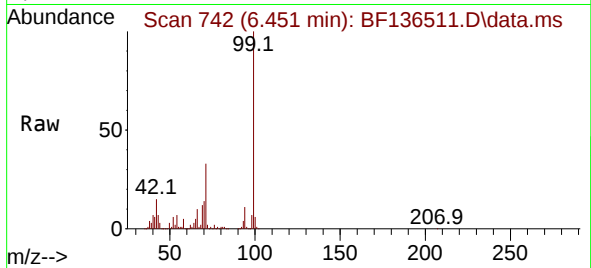




#7
Phenol-d6
Concen: 114.203 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

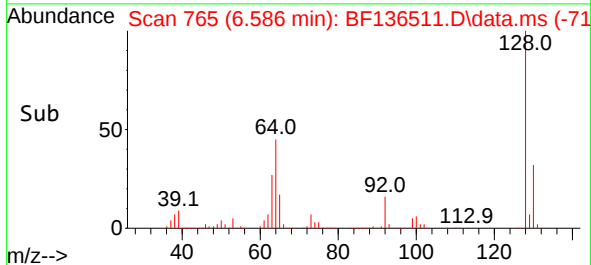
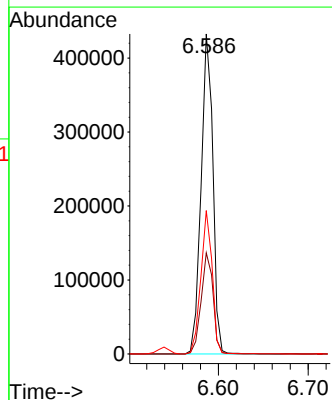
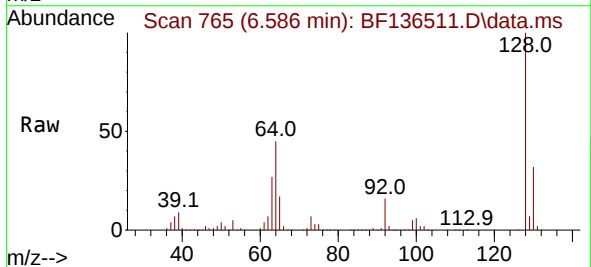
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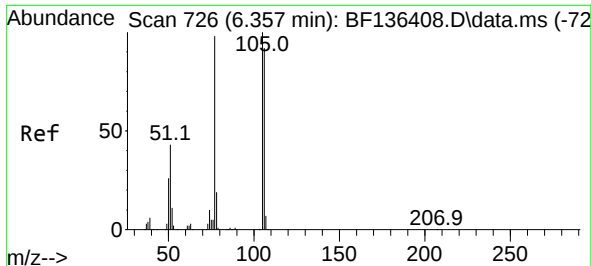
Tgt Ion: 99 Resp: 1241085
Ion Ratio Lower Upper
99 100
42 15.1 12.8 19.2
71 33.3 27.0 40.4



#8
2-Chlorophenol
Concen: 41.387 ng
RT: 6.586 min Scan# 765
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:128 Resp: 393544
Ion Ratio Lower Upper
128 100
130 31.6 11.7 51.7
64 44.8 22.5 62.5





#9

Benzaldehyde

Concen: 35.391 ng

RT: 6.351 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

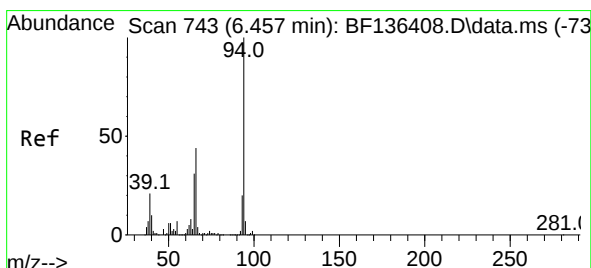
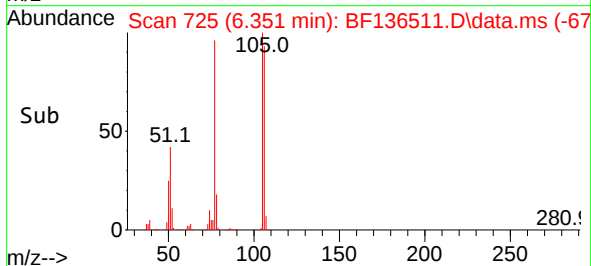
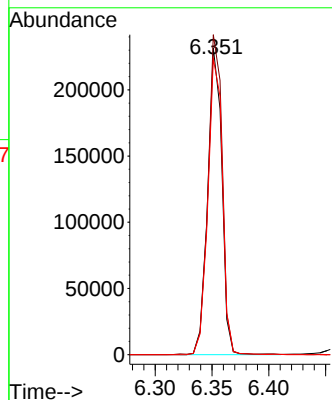
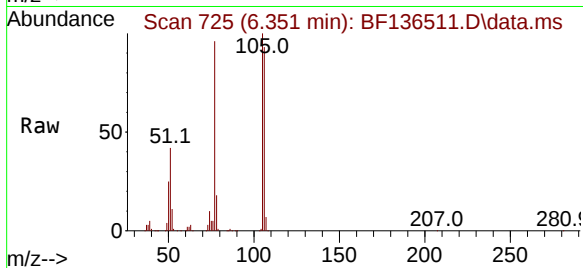
Tgt Ion: 77 Resp: 199661

Ion Ratio Lower Upper

77 100

105 104.3 82.5 122.5

106 96.5 74.5 114.5



#10

Phenol

Concen: 39.100 ng

RT: 6.463 min Scan# 744

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

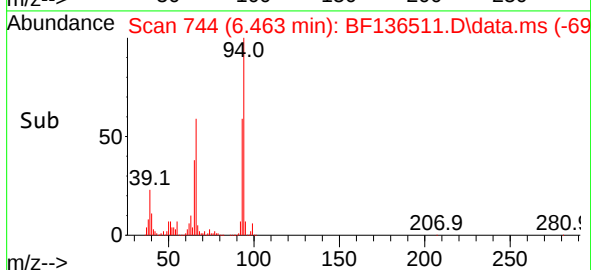
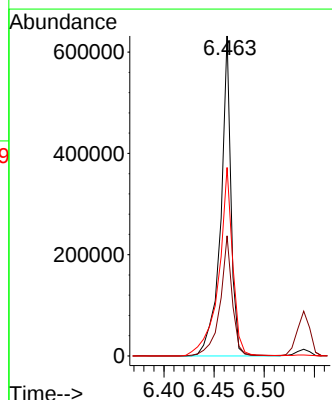
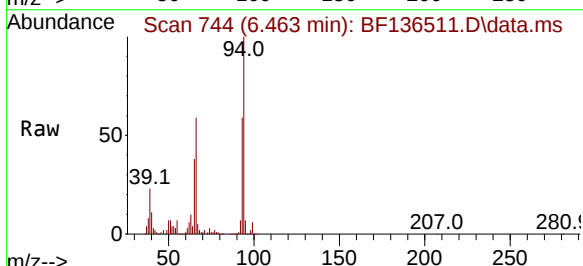
Tgt Ion: 94 Resp: 452145

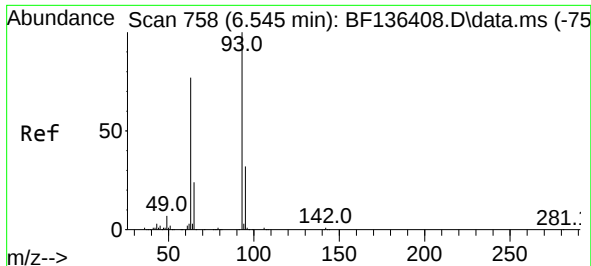
Ion Ratio Lower Upper

94 100

65 37.6 11.2 51.2

66 58.9 24.2 64.2





#11

bis(2-Chloroethyl)ether

Concen: 39.949 ng

RT: 6.539 min Scan# 758

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

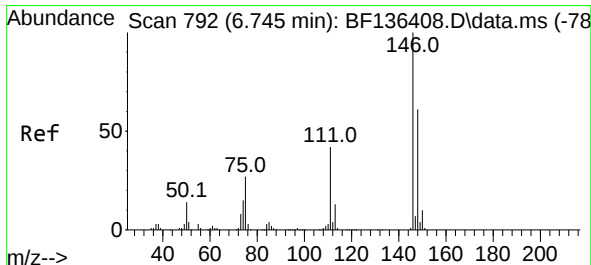
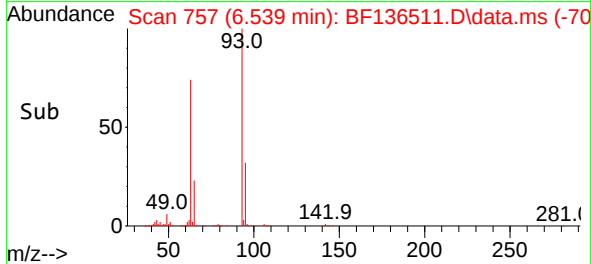
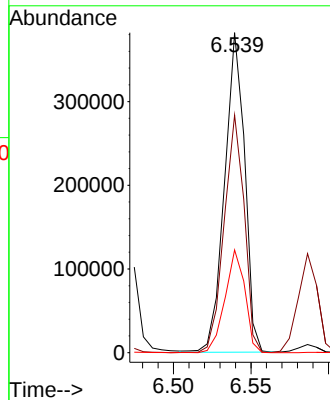
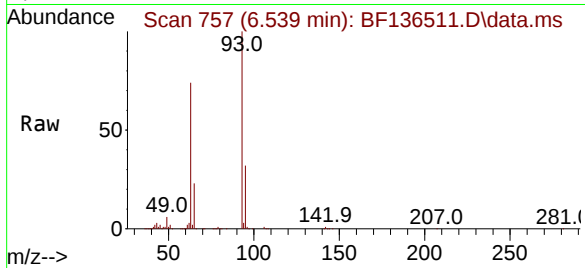
BNA_F

ClientSampleId :

PB157455BS

Tgt Ion: 93 Resp: 344340

Ion	Ratio	Lower	Upper
93	100		
63	74.3	56.8	96.8
95	32.1	11.8	51.8



#12

1,3-Dichlorobenzene

Concen: 37.203 ng

RT: 6.739 min Scan# 791

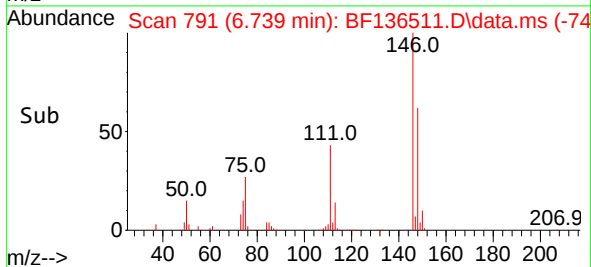
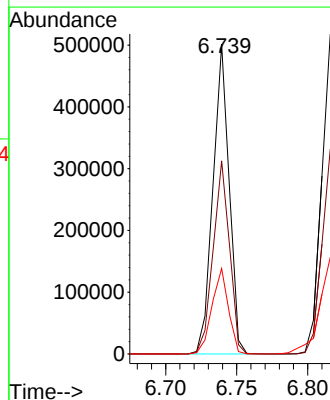
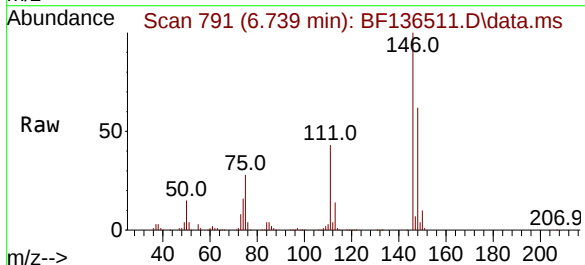
Delta R.T. -0.006 min

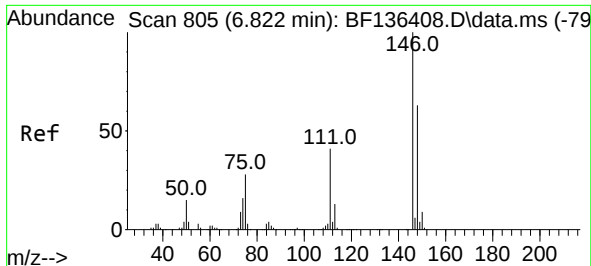
Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Tgt Ion: 146 Resp: 397845

Ion	Ratio	Lower	Upper
146	100		
148	62.3	49.0	73.6
75	27.6	21.8	32.6





#13

1,4-Dichlorobenzene

Concen: 37.378 ng

RT: 6.816 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

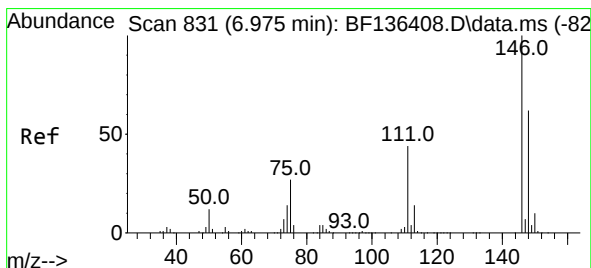
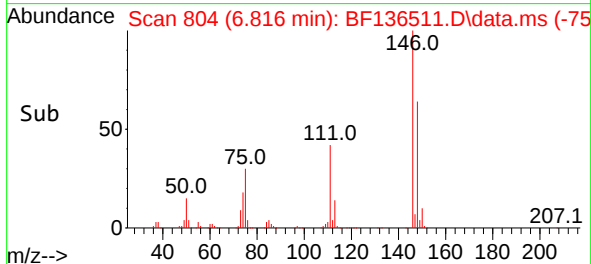
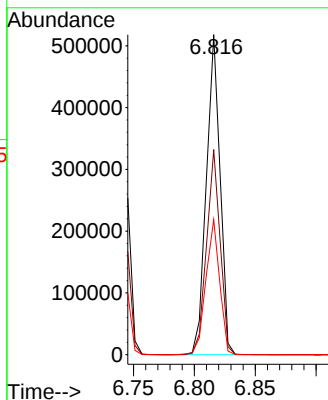
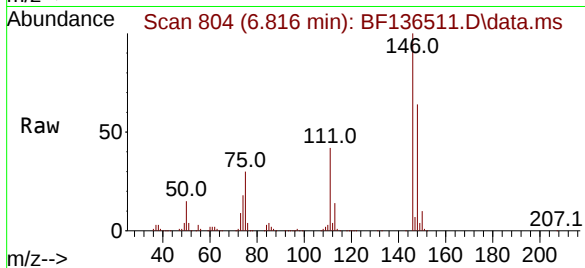
Tgt Ion:146 Resp: 405471

Ion Ratio Lower Upper

146 100

148 64.1 50.3 75.5

111 42.2 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 38.044 ng

RT: 6.969 min Scan# 830

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

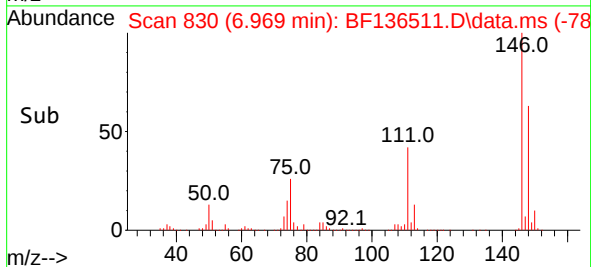
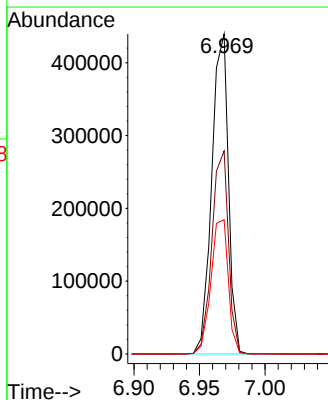
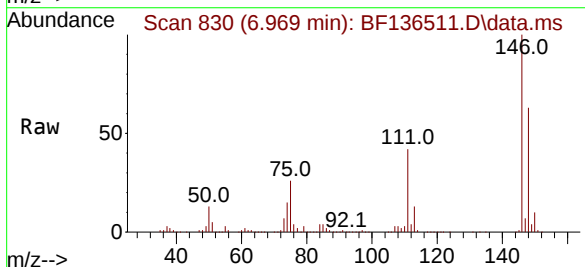
Tgt Ion:146 Resp: 388081

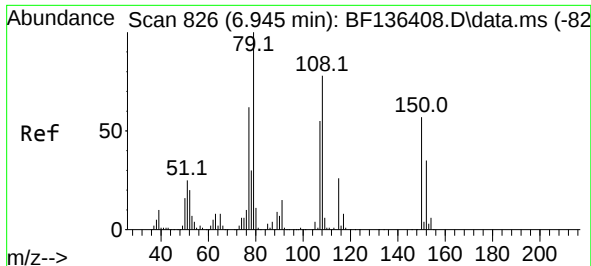
Ion Ratio Lower Upper

146 100

148 63.4 49.8 74.6

111 41.9 34.9 52.3

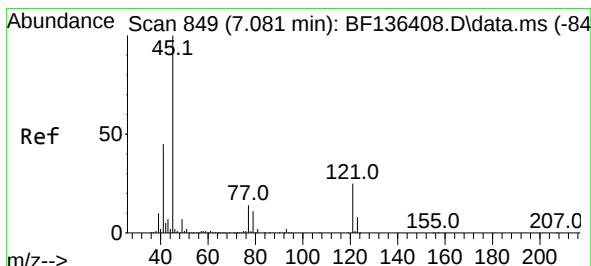
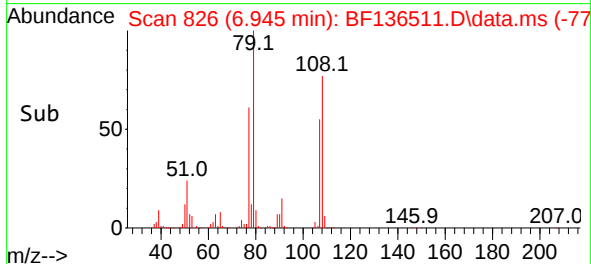
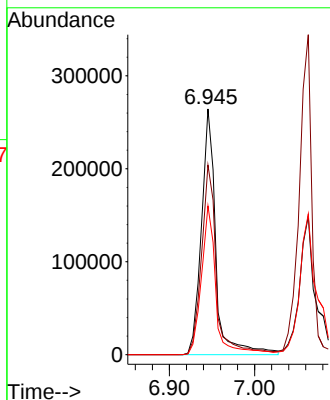
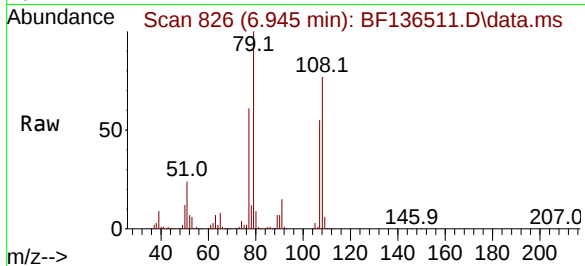




#15
Benzyl Alcohol
Concen: 42.798 ng
RT: 6.945 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

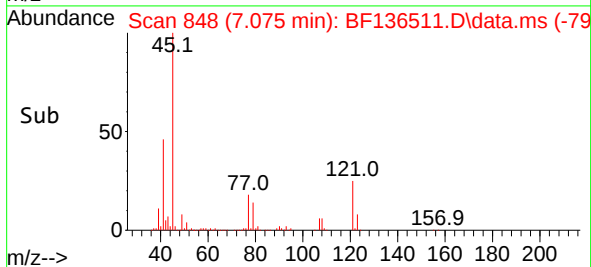
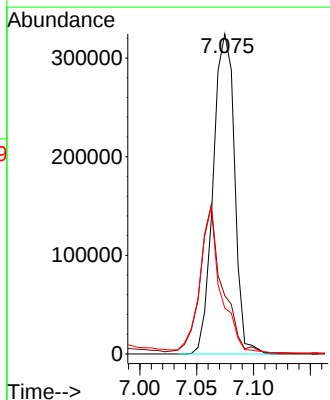
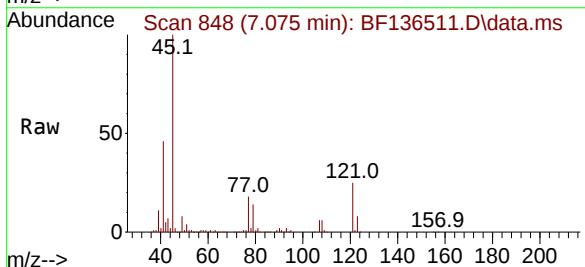
Instrument :
BNA_F
ClientSampleId :
PB157455BS

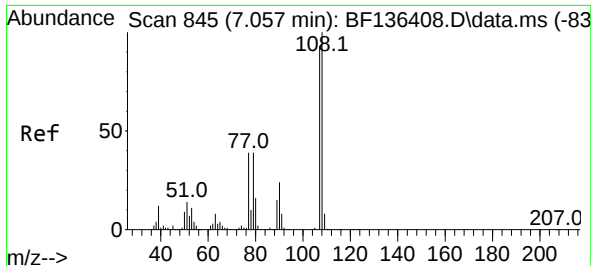
Tgt Ion: 79 Resp: 311446
Ion Ratio Lower Upper
79 100
108 77.2 62.3 93.5
77 60.5 49.8 74.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.257 ng
RT: 7.075 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion: 45 Resp: 424112
Ion Ratio Lower Upper
45 100
77 18.3 0.0 35.3
79 14.4 0.0 32.5

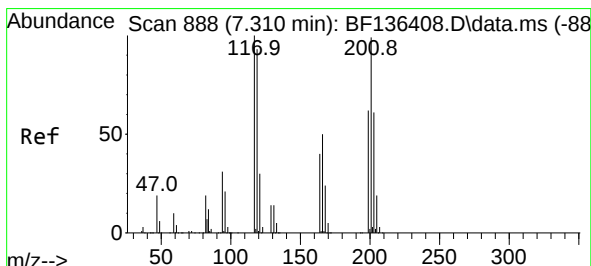
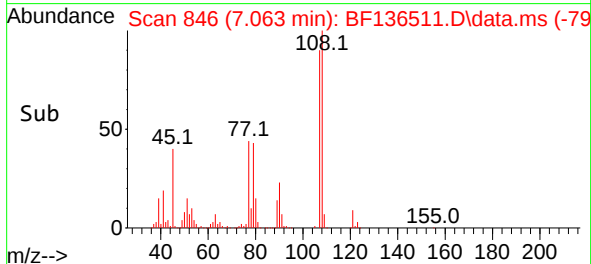
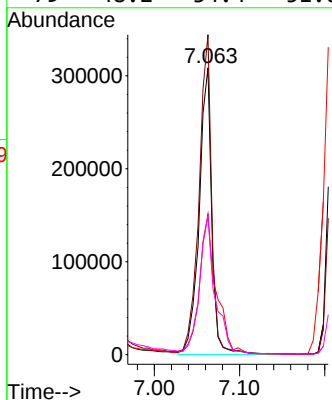
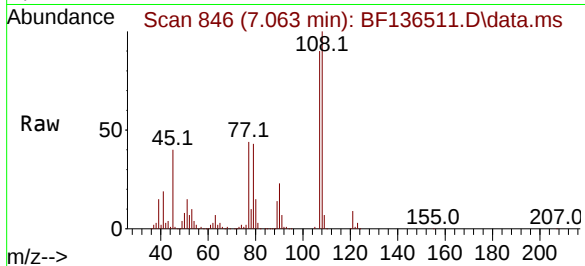




#17
2-Methylphenol
Concen: 41.319 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

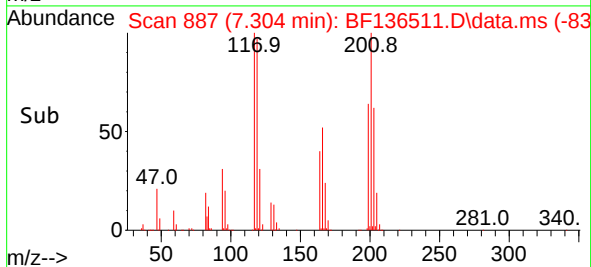
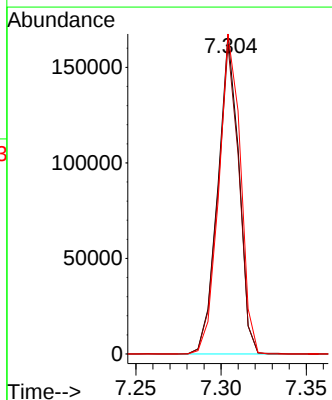
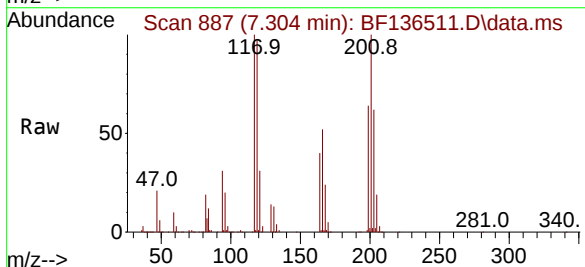
Instrument :
BNA_F
ClientSampleId :
PB157455BS

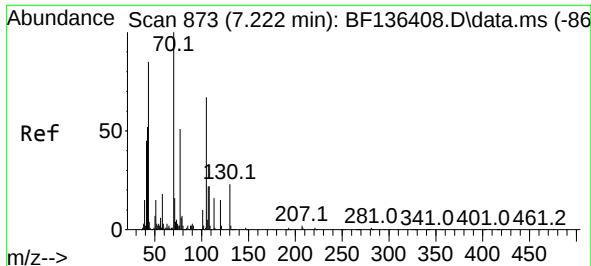
Tgt Ion:107 Resp: 317423
Ion Ratio Lower Upper
107 100
108 111.6 86.5 129.7
77 49.1 33.8 50.8
79 48.2 34.4 51.6



#18
Hexachloroethane
Concen: 37.761 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:117 Resp: 143014
Ion Ratio Lower Upper
117 100
119 96.6 74.3 111.5
201 100.1 79.3 118.9





#19

n-Nitroso-di-n-propylamine

Concen: 40.350 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

Tgt Ion: 70 Resp: 252949

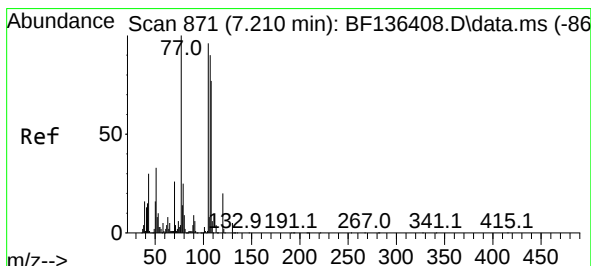
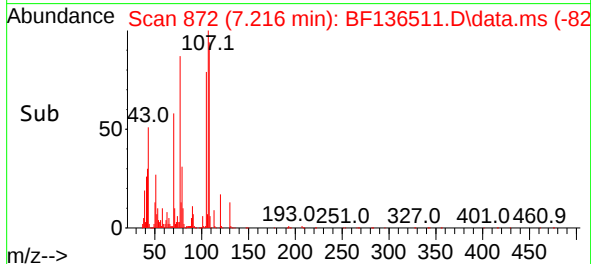
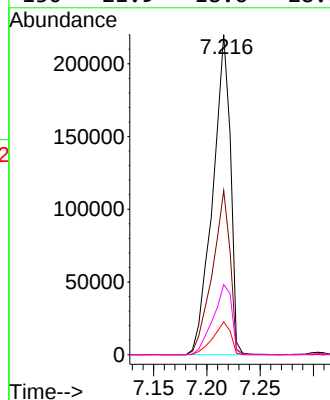
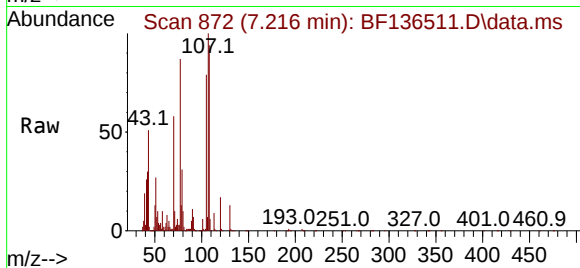
Ion Ratio Lower Upper

70 100

42 51.3 41.4 62.0

101 10.3 8.2 12.4

130 21.9 18.6 28.0



#20

3+4-Methylphenols

Concen: 40.938 ng

RT: 7.216 min Scan# 872

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Tgt Ion: 107 Resp: 390363

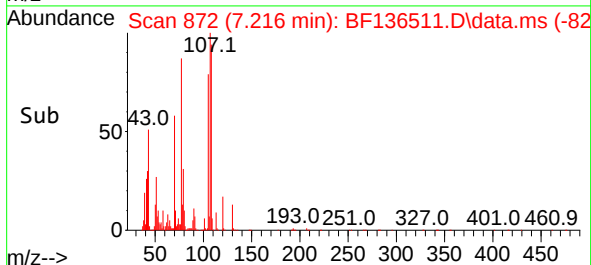
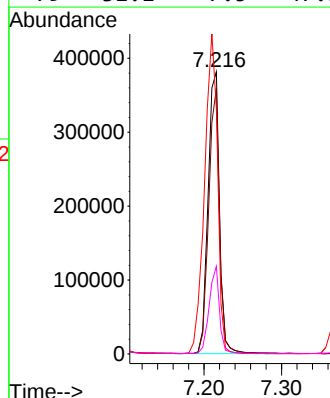
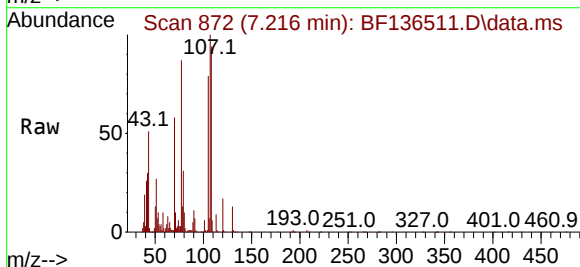
Ion Ratio Lower Upper

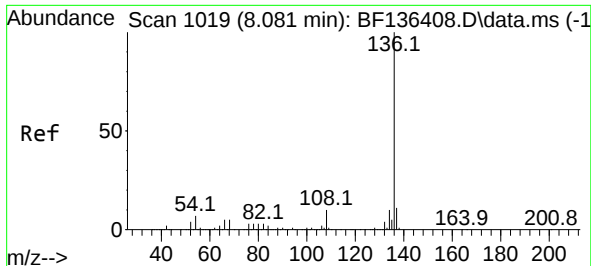
107 100

108 94.2 65.9 105.9

77 87.0 91.7 131.7#

79 31.1 7.5 47.5



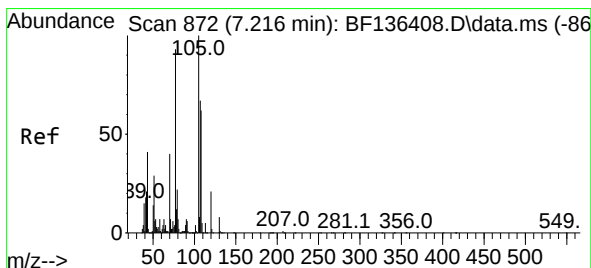
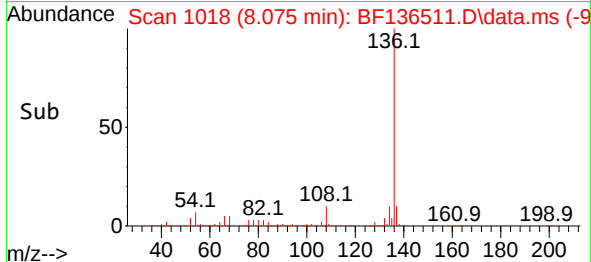
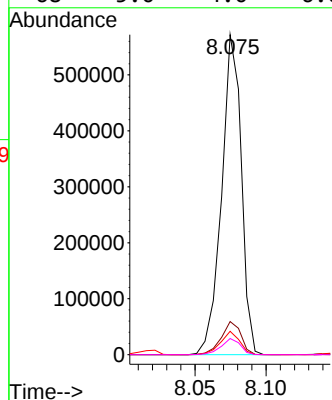
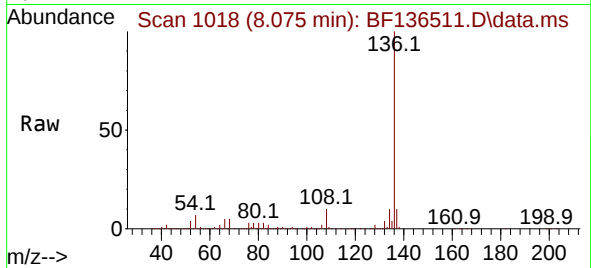


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Instrument :
BNA_F
ClientSampleId :
PB157455BS

Tgt Ion:136 Resp: 551530

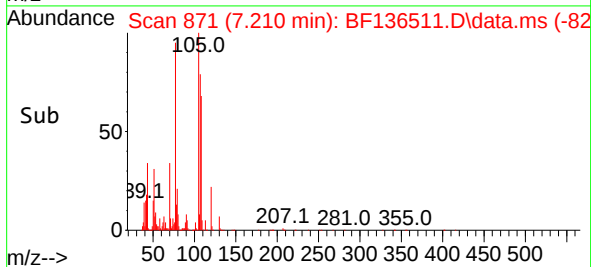
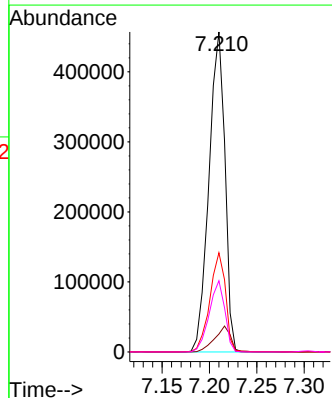
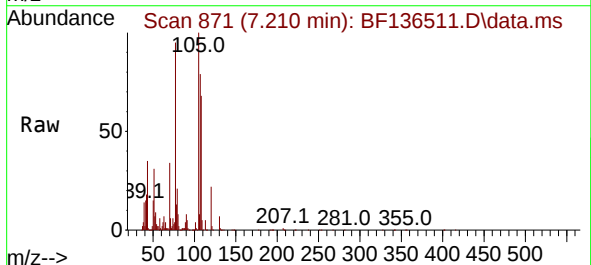
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	12.8
54	7.3	5.7	8.5
68	5.0	4.0	6.0

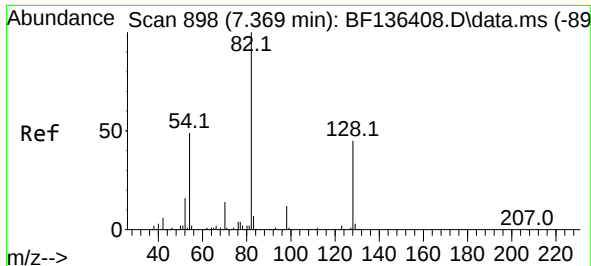


#22
Acetophenone
Concen: 39.277 ng
RT: 7.210 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:105 Resp: 534934

Ion	Ratio	Lower	Upper
105	100		
71	5.6	5.4	8.0
51	31.0	23.4	35.2
120	22.2	16.6	24.8





#23

Nitrobenzene-d5

Concen: 73.828 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

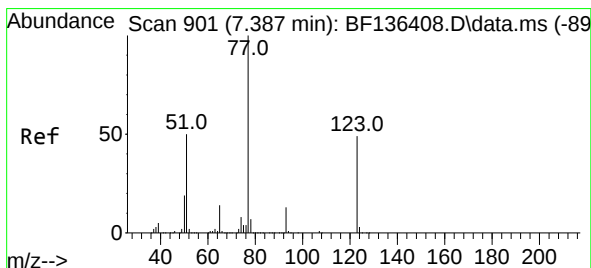
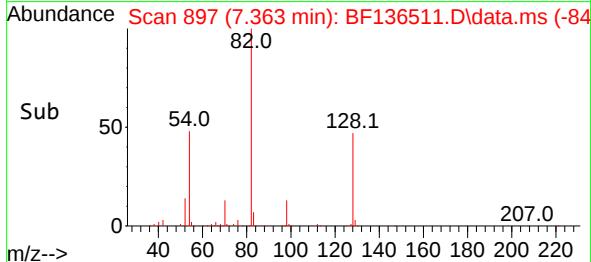
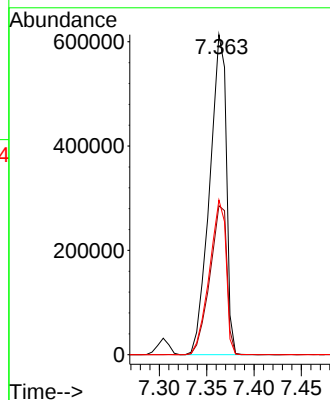
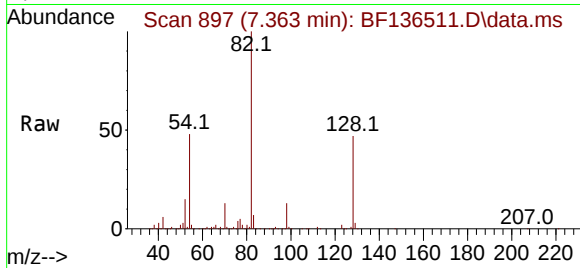
Tgt Ion: 82 Resp: 753199

Ion Ratio Lower Upper

82 100

128 46.5 36.3 54.5

54 48.4 39.0 58.6



#24

Nitrobenzene

Concen: 36.874 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

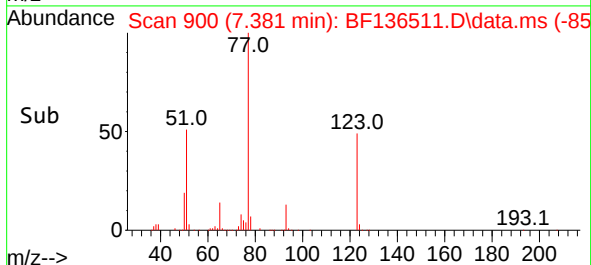
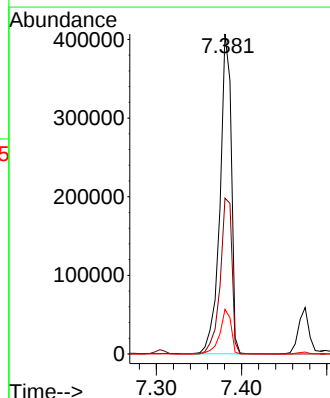
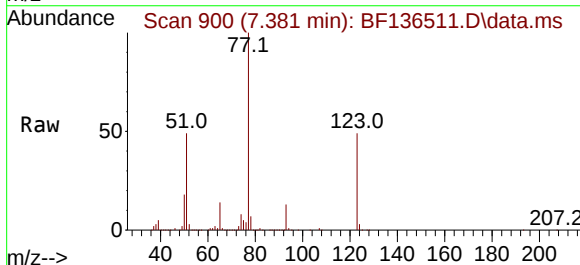
Tgt Ion: 77 Resp: 378439

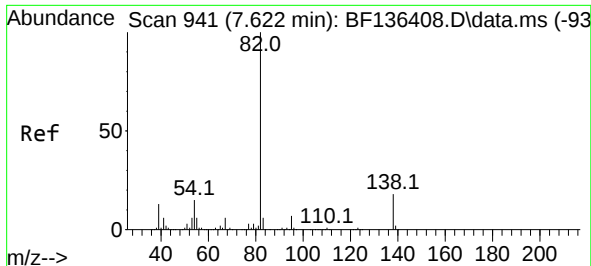
Ion Ratio Lower Upper

77 100

123 48.7 39.0 58.6

65 13.9 11.3 16.9

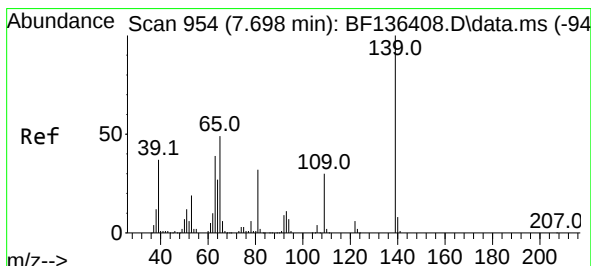
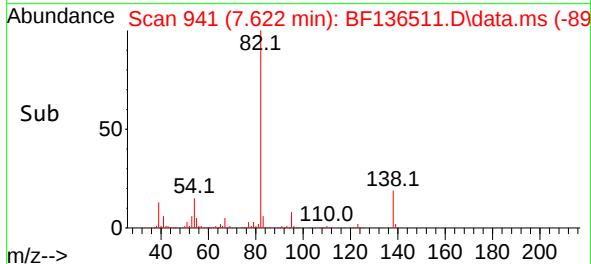
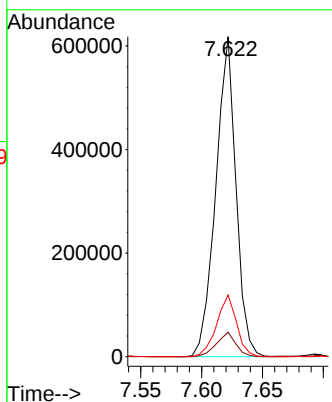
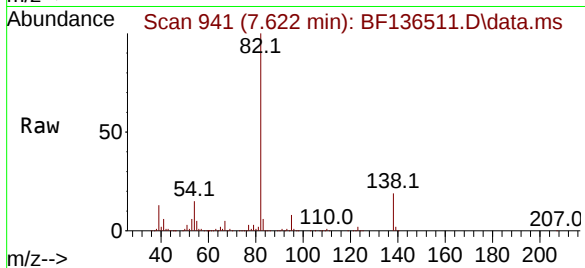




#25
Isophorone
Concen: 38.923 ng
RT: 7.622 min Scan# 941
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

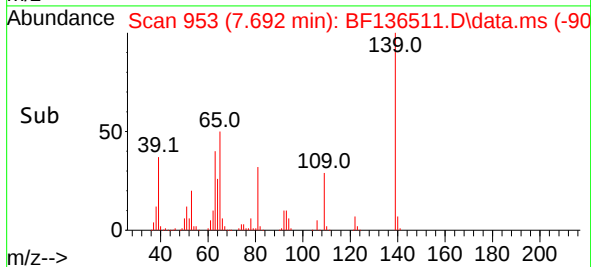
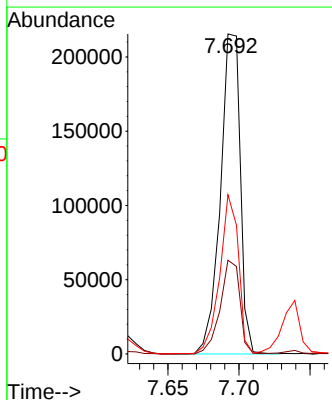
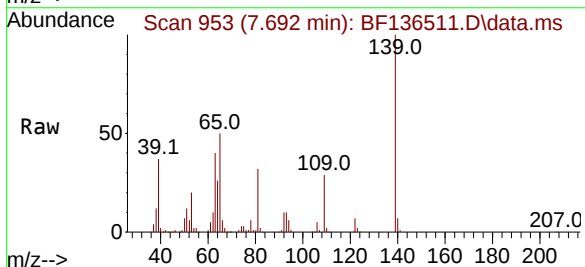
Instrument :
BNA_F
ClientSampleId :
PB157455BS

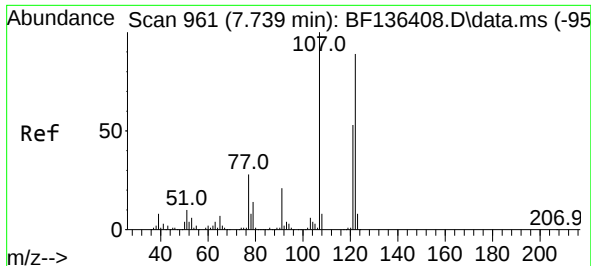
Tgt Ion: 82 Resp: 713416
Ion Ratio Lower Upper
82 100
95 7.6 5.7 8.5
138 19.2 14.5 21.7



#26
2-Nitrophenol
Concen: 41.629 ng
RT: 7.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:139 Resp: 210040
Ion Ratio Lower Upper
139 100
109 29.3 23.6 35.4
65 49.8 39.4 59.2





#27

2,4-Dimethylphenol

Concen: 56.985 ng

RT: 7.739 min Scan# 961

Delta R.T. -0.000 min

Lab File: BF136511.D

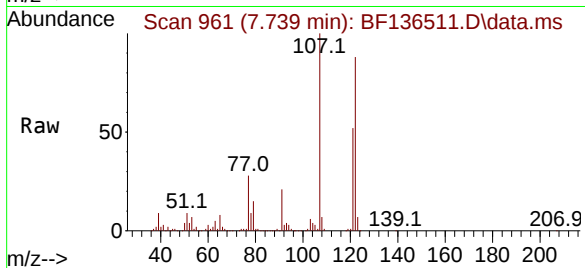
Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS



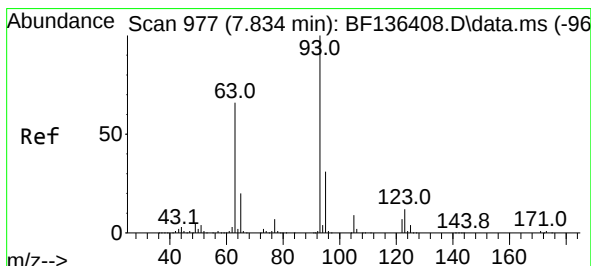
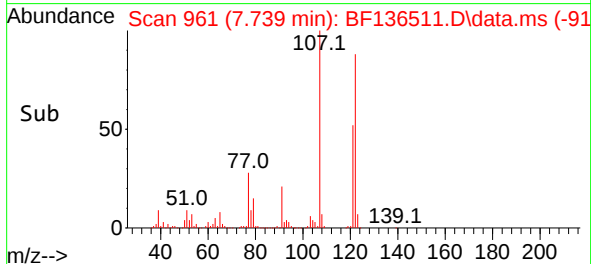
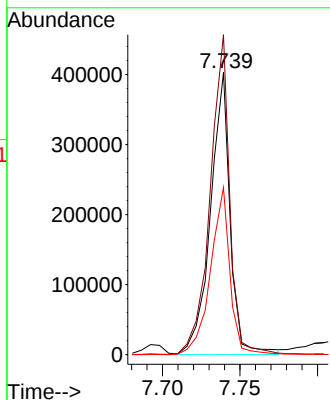
Tgt Ion:122 Resp: 354526

Ion Ratio Lower Upper

122 100

107 113.4 89.3 133.9

121 59.3 47.6 71.4



#28

bis(2-Chloroethoxy)methane

Concen: 39.441 ng

RT: 7.833 min Scan# 977

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

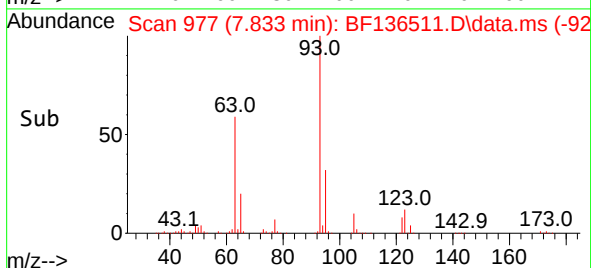
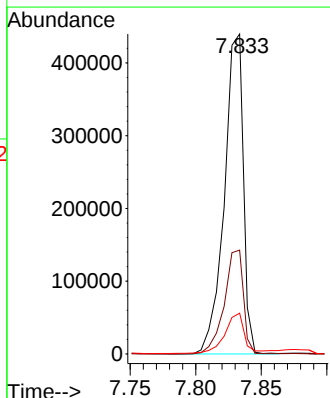
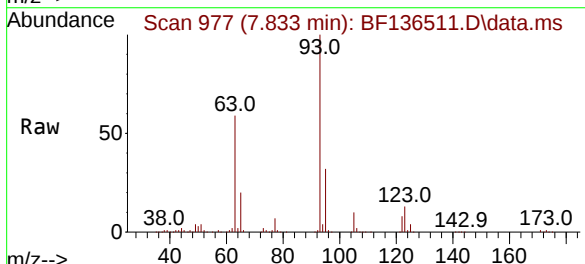
Tgt Ion: 93 Resp: 444218

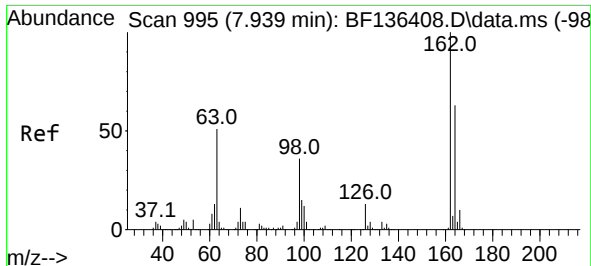
Ion Ratio Lower Upper

93 100

95 32.4 25.0 37.4

123 12.7 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 40.864 ng

RT: 7.939 min Scan# 995

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

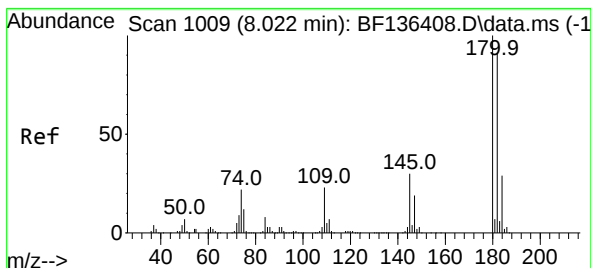
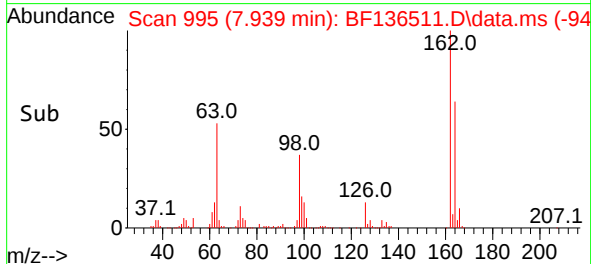
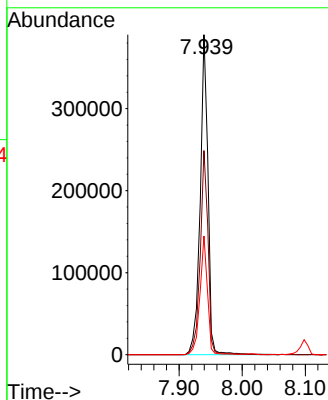
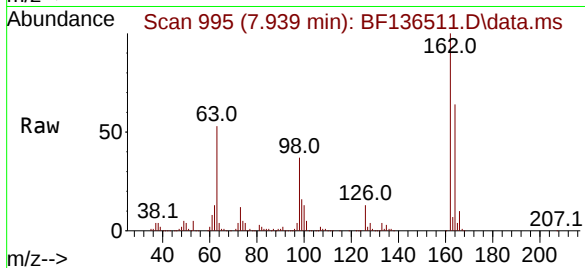
Tgt Ion:162 Resp: 335574

Ion Ratio Lower Upper

162 100

164 63.8 43.0 83.0

98 37.1 16.2 56.2



#30

1,2,4-Trichlorobenzene

Concen: 37.605 ng

RT: 8.016 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

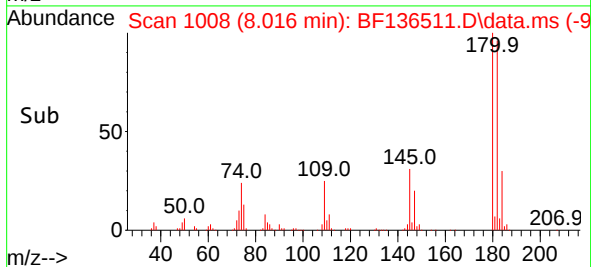
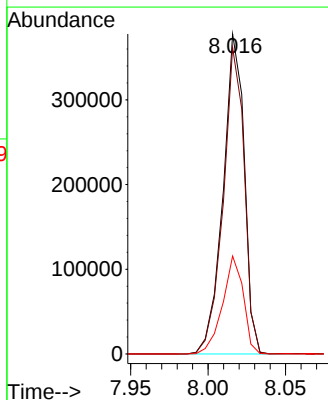
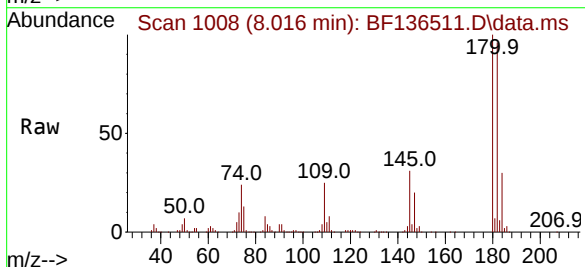
Tgt Ion:180 Resp: 360090

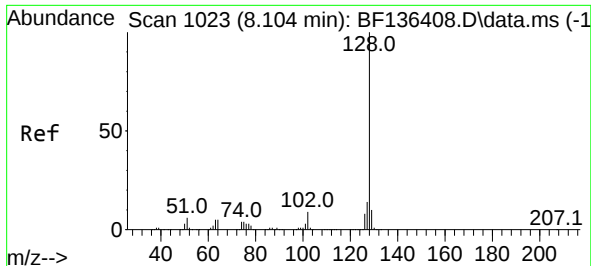
Ion Ratio Lower Upper

180 100

182 95.8 73.1 109.7

145 30.6 23.8 35.8

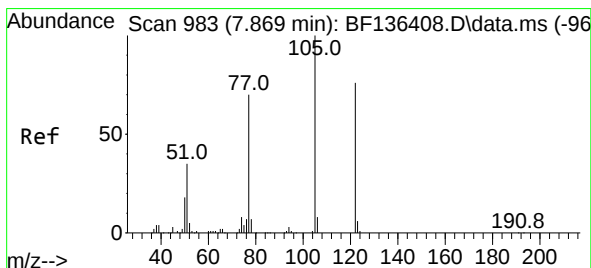
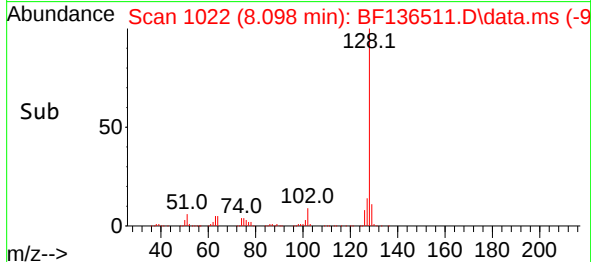
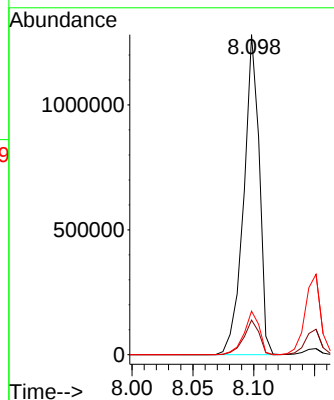
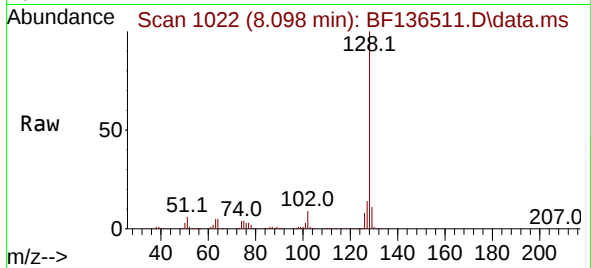




#31
Naphthalene
Concen: 37.447 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

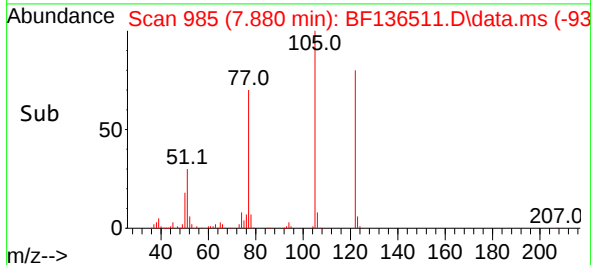
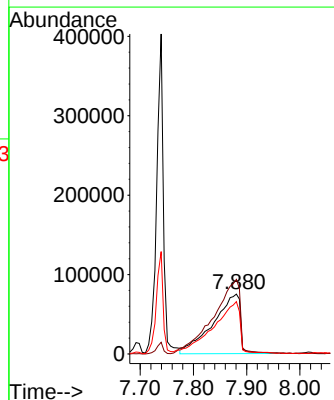
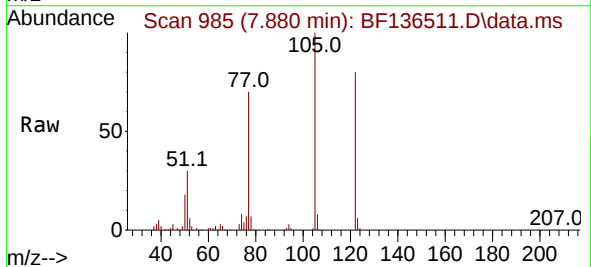
Instrument :
BNA_F
ClientSampleId :
PB157455BS

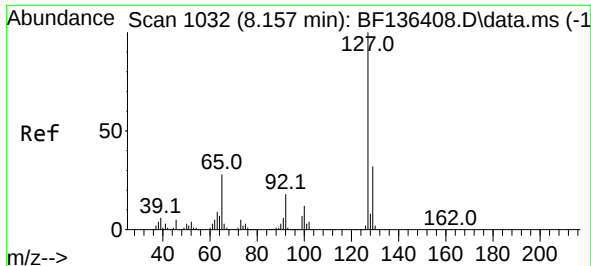
Tgt Ion:128 Resp: 1138941
Ion Ratio Lower Upper
128 100
129 10.8 8.3 12.5
127 13.6 11.1 16.7



#32
Benzoic acid
Concen: 43.535 ng
RT: 7.880 min Scan# 985
Delta R.T. 0.012 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:122 Resp: 268688
Ion Ratio Lower Upper
122 100
105 124.5 104.7 144.7
77 87.5 68.5 108.5

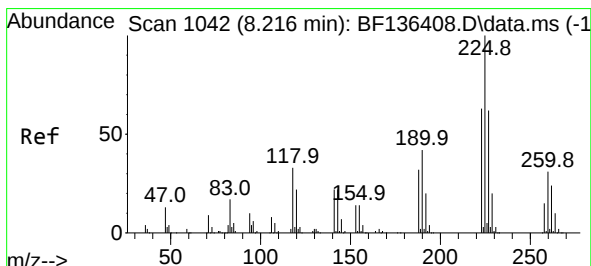
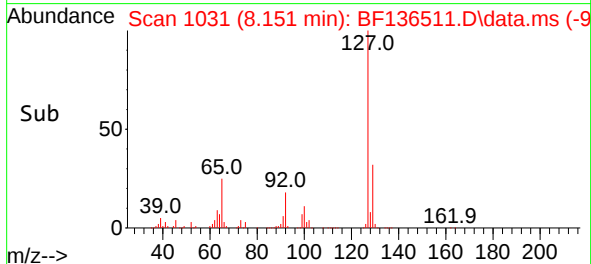
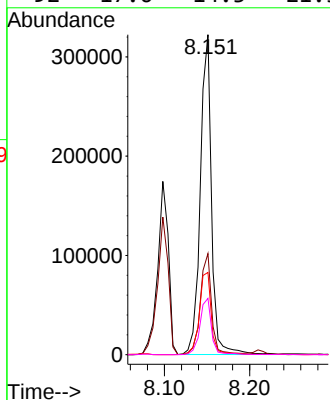
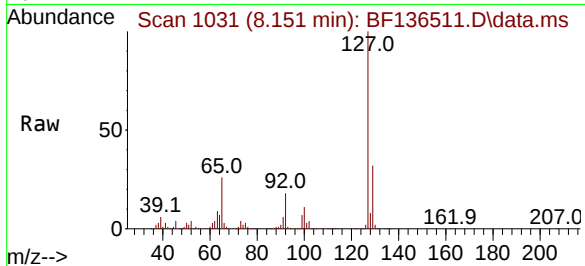




#33
4-Chloroaniline
Concen: 27.258 ng
RT: 8.151 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

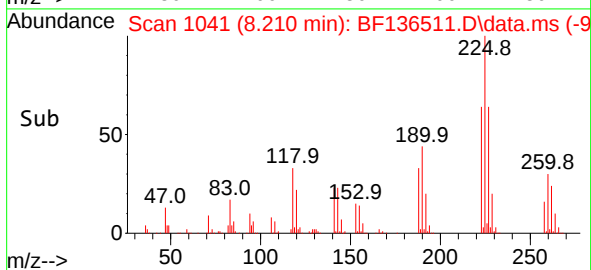
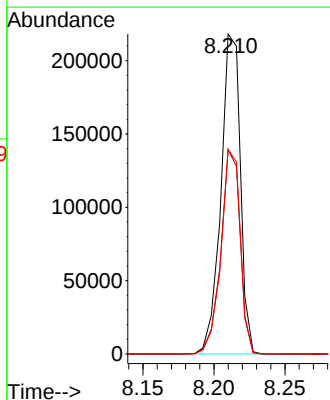
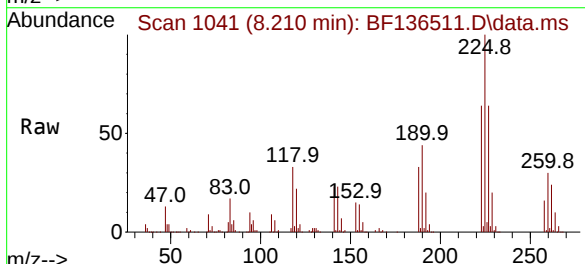
Instrument :
BNA_F
ClientSampleId :
PB157455BS

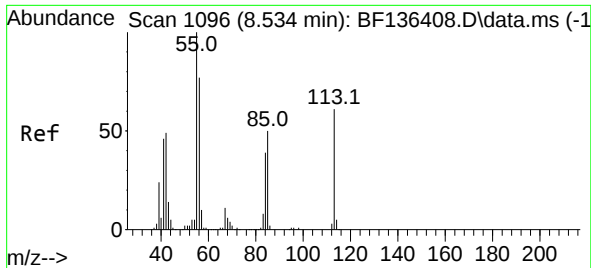
Tgt Ion:127	Resp: 295562
Ion Ratio	Lower Upper
127 100	
129 31.6	25.4 38.2
65 25.7	22.5 33.7
92 17.6	14.3 21.5



#34
Hexachlorobutadiene
Concen: 36.622 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:225	Resp: 207826		
Ion Ratio	Lower	Upper	
225 100			
223 64.0	50.8	76.2	
227 63.8	49.8	74.8	

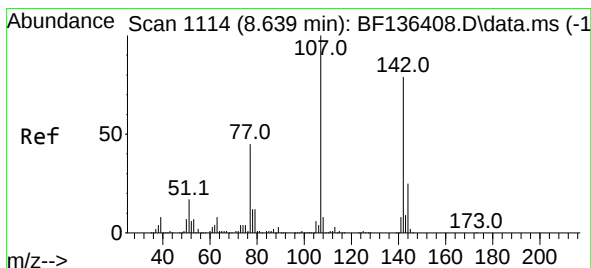
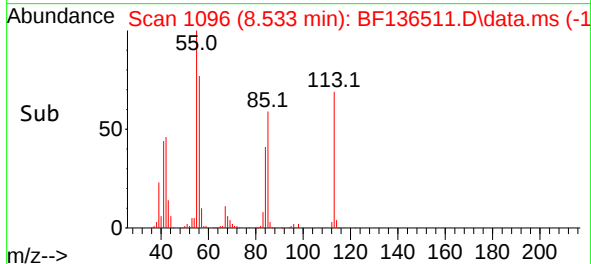
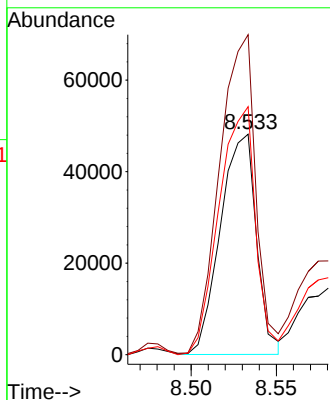
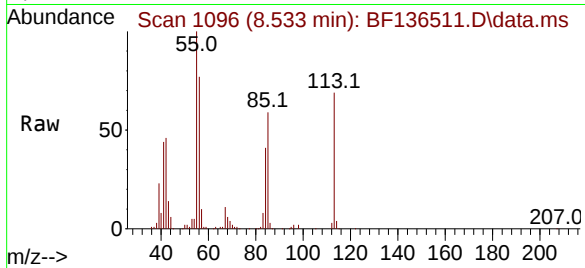




#35
Caprolactam
Concen: 28.025 ng
RT: 8.533 min Scan# 1096
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

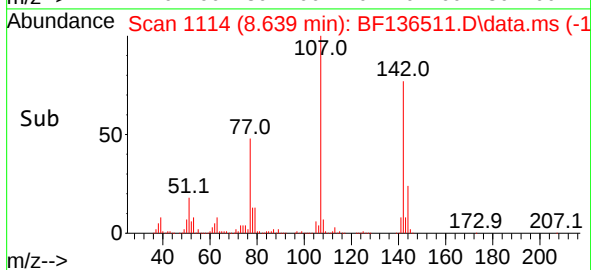
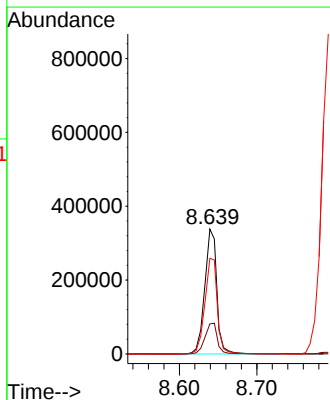
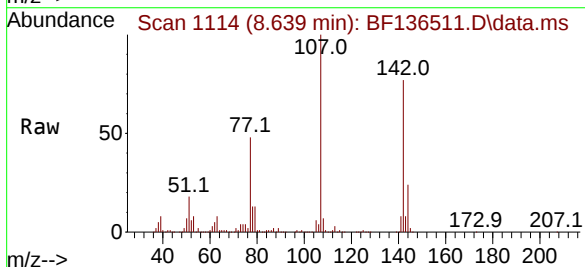
Instrument :
BNA_F
ClientSampleId :
PB157455BS

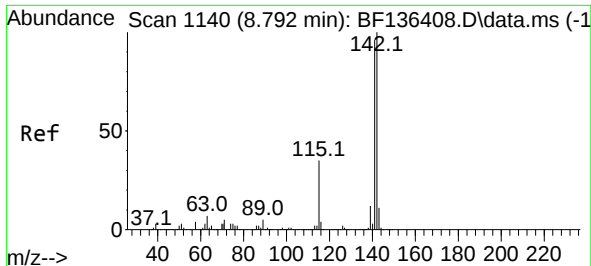
Tgt Ion:113 Resp: 70873
Ion Ratio Lower Upper
113 100
55 145.2 143.7 183.7
56 112.5 105.2 145.2



#36
4-Chloro-3-methylphenol
Concen: 42.053 ng
RT: 8.639 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:107 Resp: 366669
Ion Ratio Lower Upper
107 100
144 24.1 20.1 30.1
142 76.6 63.1 94.7





#37

2-Methylnaphthalene

Concen: 38.871 ng

RT: 8.792 min Scan# 1140

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

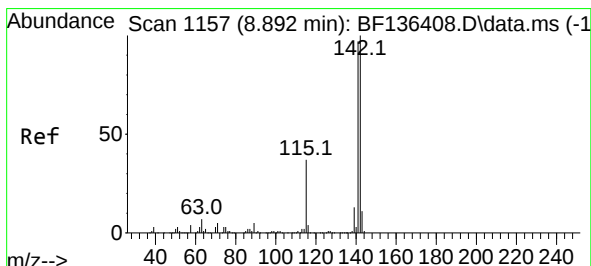
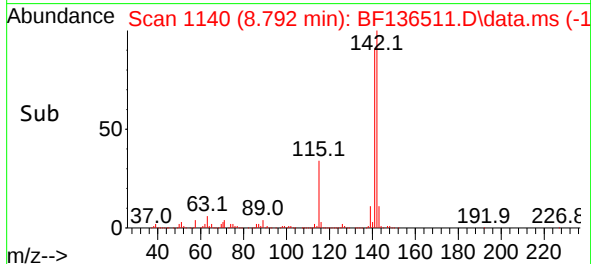
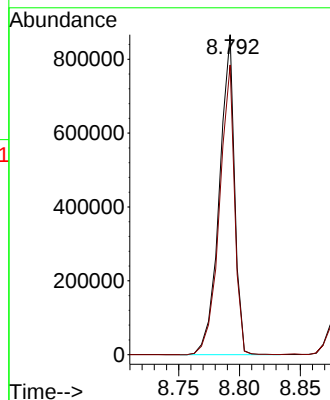
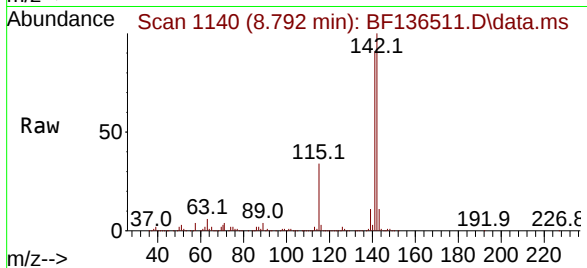
PB157455BS

Tgt Ion:142 Resp: 752144

Ion Ratio Lower Upper

142 100

141 90.6 76.4 114.6



#38

1-Methylnaphthalene

Concen: 37.116 ng

RT: 8.892 min Scan# 1157

Delta R.T. -0.000 min

Lab File: BF136511.D

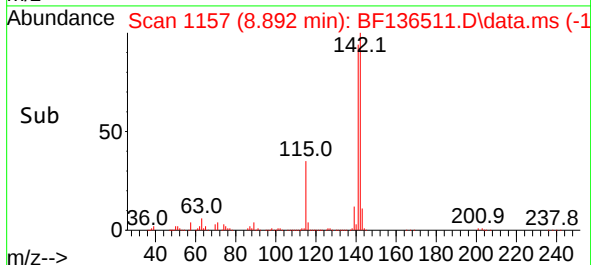
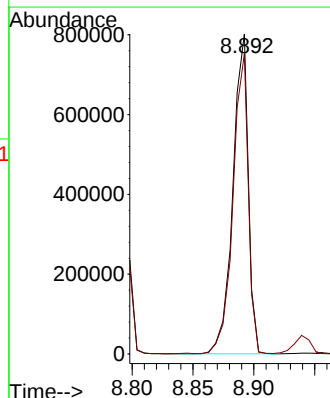
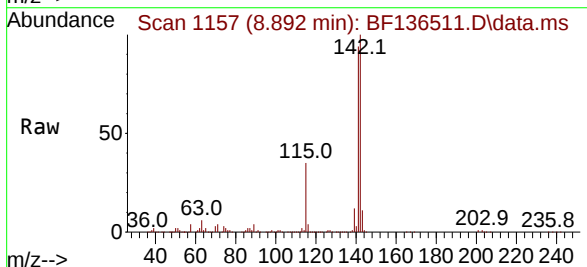
Acq: 12 Dec 2023 12:26

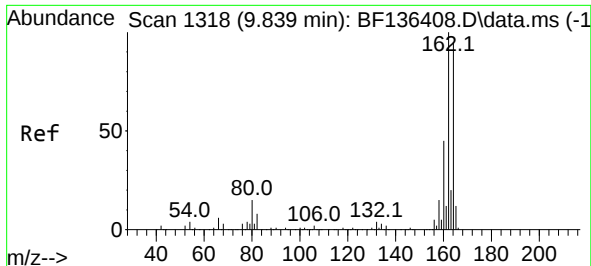
Tgt Ion:142 Resp: 704729

Ion Ratio Lower Upper

142 100

141 93.8 77.7 116.5

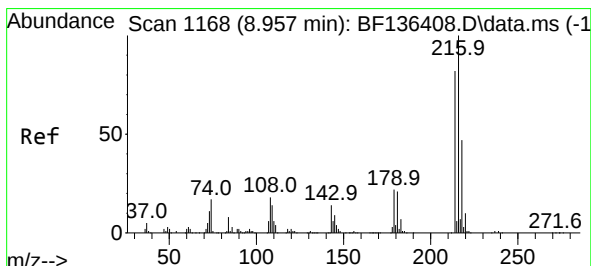
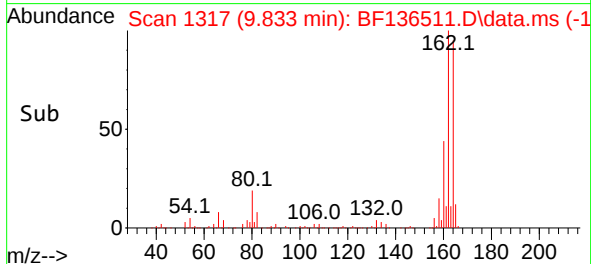
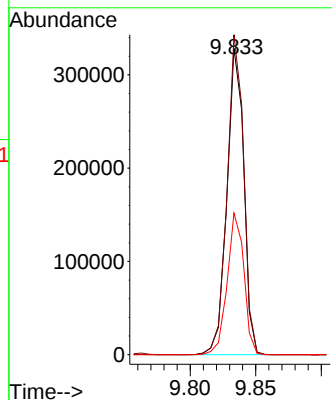
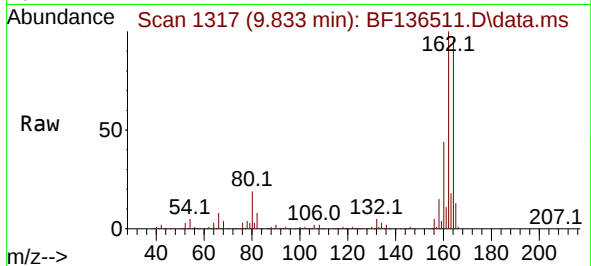




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

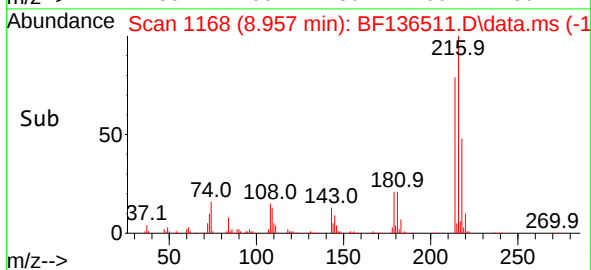
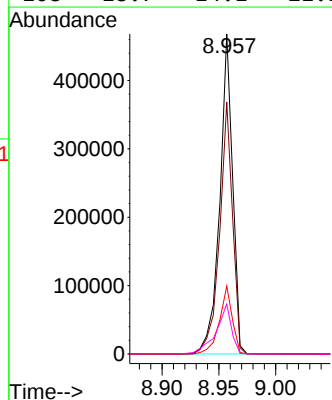
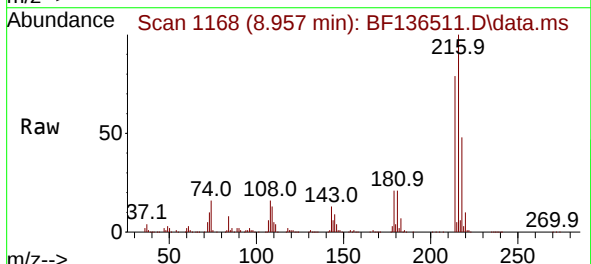
Instrument :
BNA_F
ClientSampleId :
PB157455BS

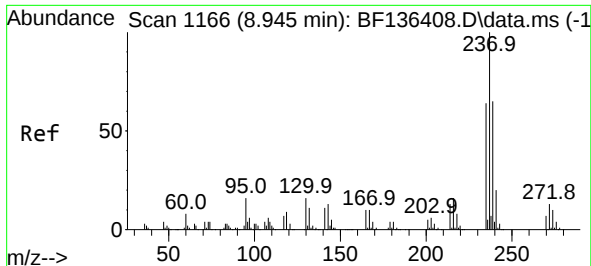
Tgt Ion:164 Resp: 293123
Ion Ratio Lower Upper
164 100
162 104.4 84.4 126.6
160 46.2 37.6 56.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.446 ng
RT: 8.957 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:216 Resp: 368845
Ion Ratio Lower Upper
216 100
214 79.3 64.1 96.1
179 21.2 17.0 25.6
108 18.7 14.1 21.1

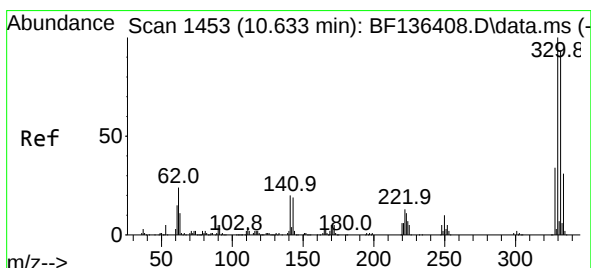
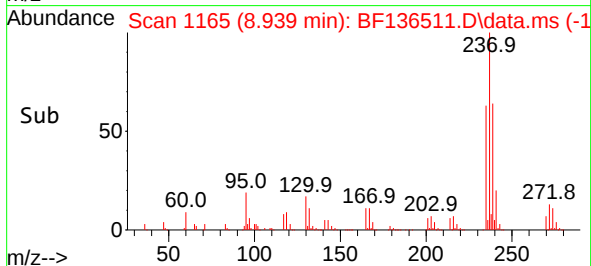
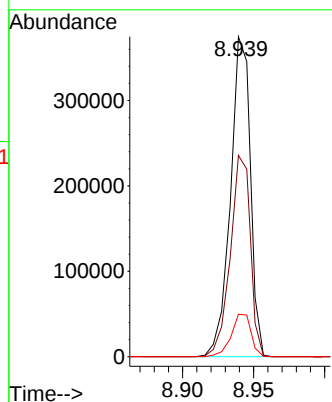
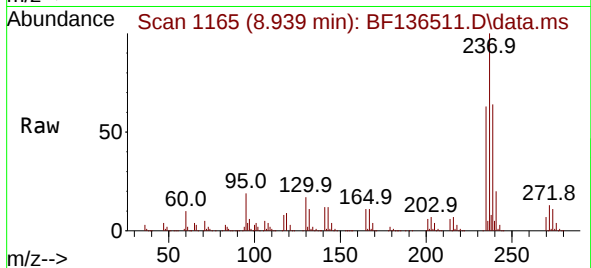




#41
Hexachlorocyclopentadiene
Concen: 108.263 ng
RT: 8.939 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

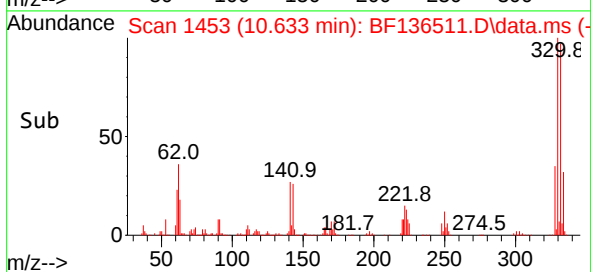
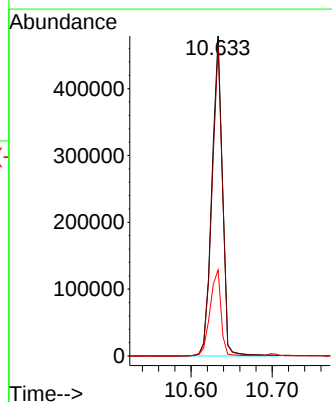
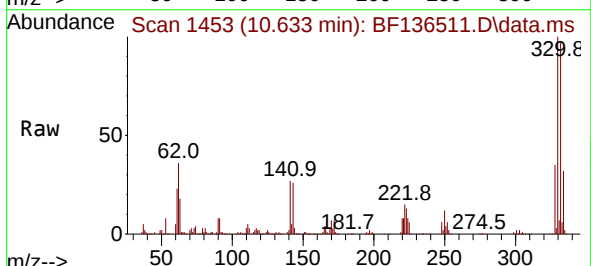
Instrument :
BNA_F
ClientSampleId :
PB157455BS

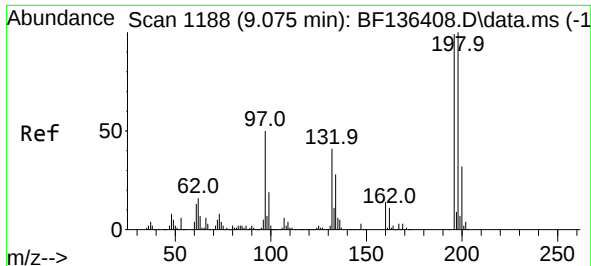
Tgt Ion:237 Resp: 365768
Ion Ratio Lower Upper
237 100
235 62.9 44.1 84.1
272 13.3 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 119.269 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:330 Resp: 431064
Ion Ratio Lower Upper
330 100
332 96.5 76.4 114.6
141 27.9 23.4 35.2

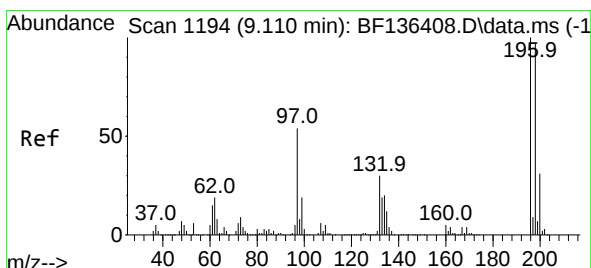
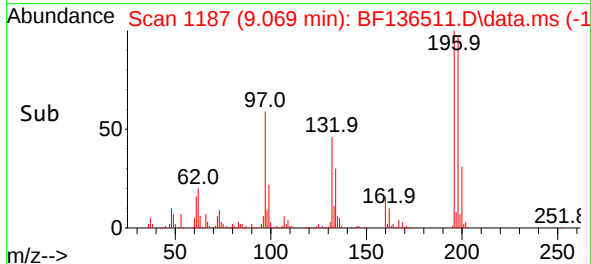
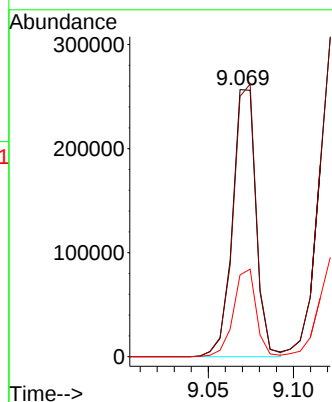
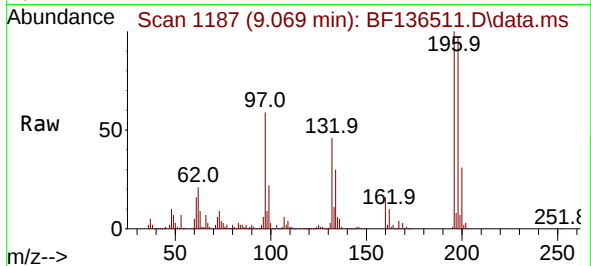




#43
2,4,6-Trichlorophenol
Concen: 41.751 ng
RT: 9.069 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

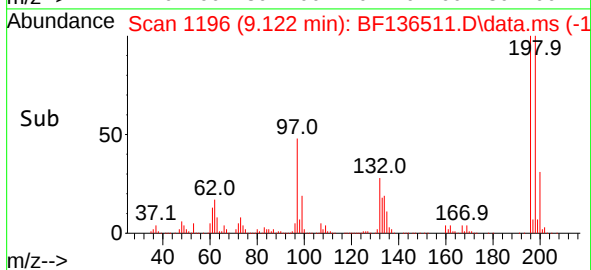
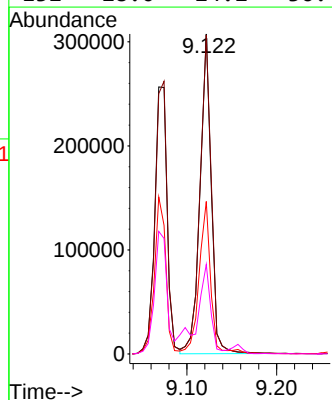
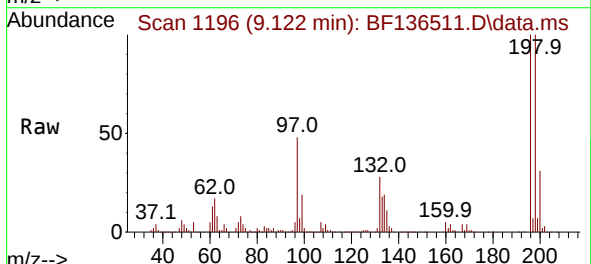
Instrument :
BNA_F
ClientSampleId :
PB157455BS

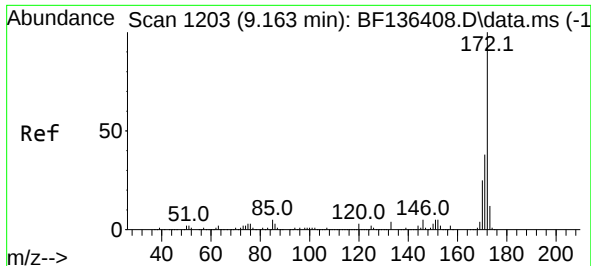
Tgt Ion:196 Resp: 247916
Ion Ratio Lower Upper
196 100
198 97.5 80.4 120.6
200 30.7 25.9 38.9



#44
2,4,5-Trichlorophenol
Concen: 40.455 ng
RT: 9.122 min Scan# 1196
Delta R.T. 0.012 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:196 Resp: 268108
Ion Ratio Lower Upper
196 100
198 99.7 78.1 117.1
97 47.7 43.4 65.2
132 28.0 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 74.680 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

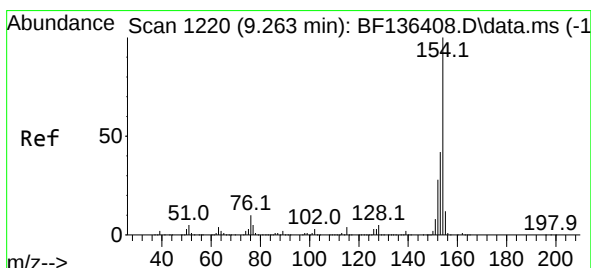
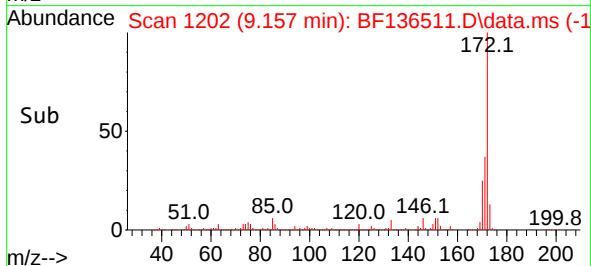
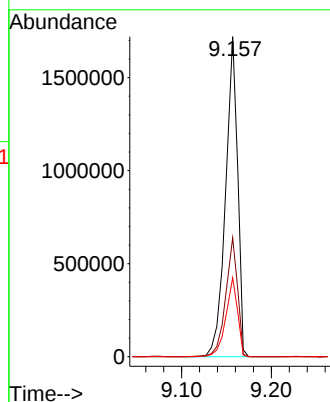
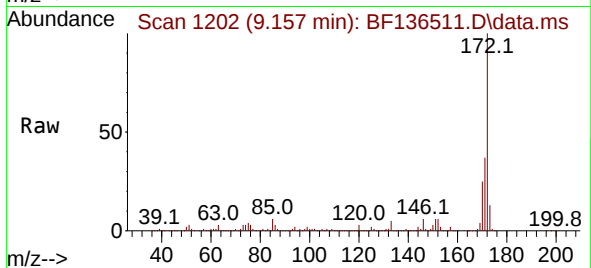
Tgt Ion:172 Resp: 1604289

Ion Ratio Lower Upper

172 100

171 37.1 30.5 45.7

170 24.6 19.9 29.9



#46

1,1'-Biphenyl

Concen: 39.467 ng

RT: 9.257 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

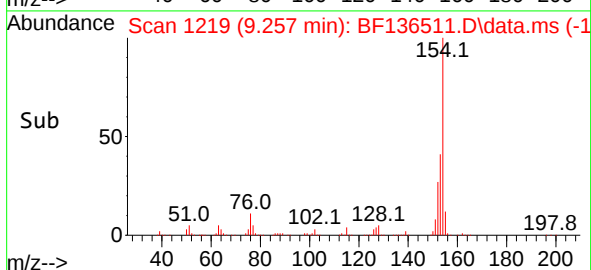
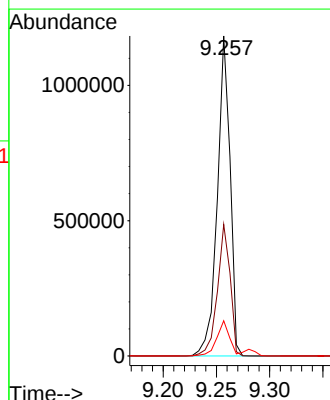
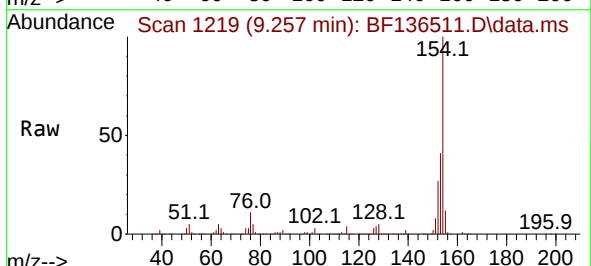
Tgt Ion:154 Resp: 984377

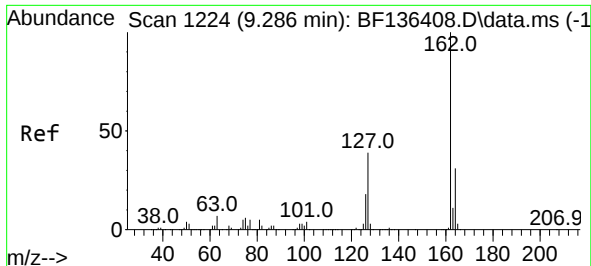
Ion Ratio Lower Upper

154 100

153 41.1 22.5 62.5

76 11.0 0.0 29.9

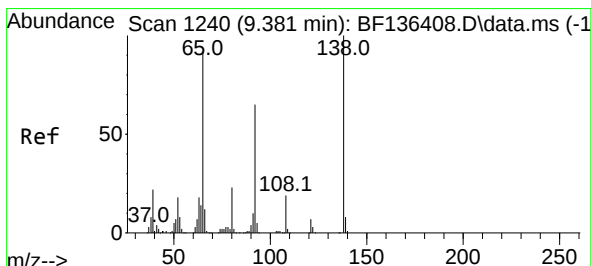
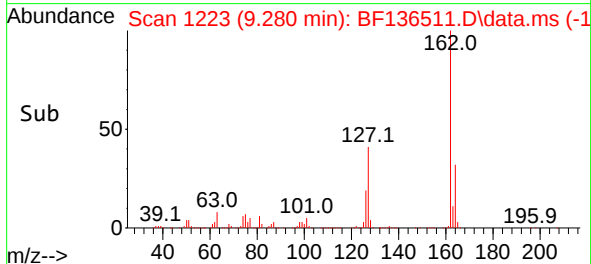
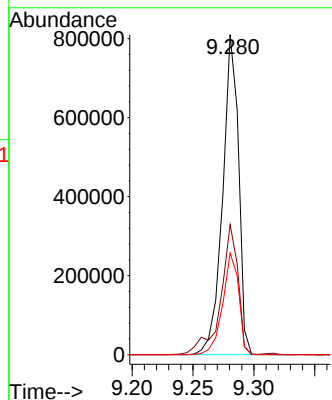
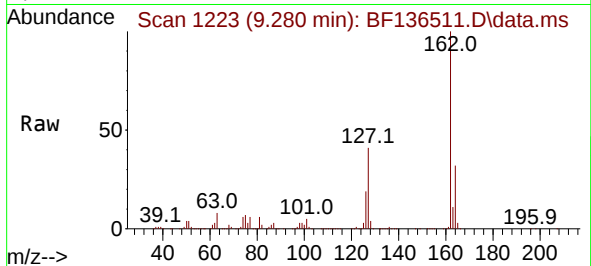




#47
2-Chloronaphthalene
Concen: 38.013 ng
RT: 9.280 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

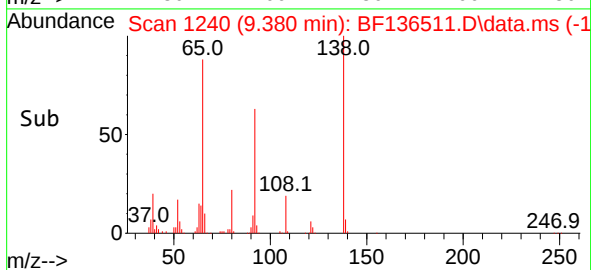
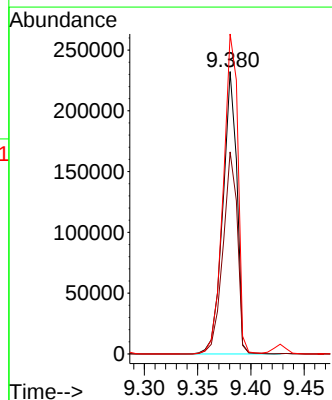
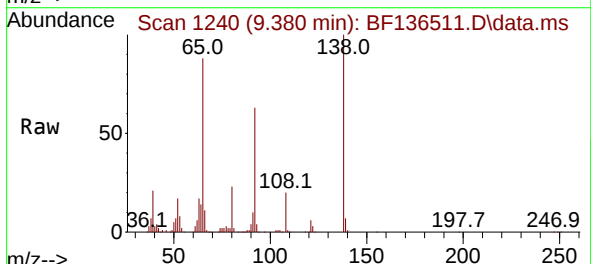
Instrument :
BNA_F
ClientSampleId :
PB157455BS

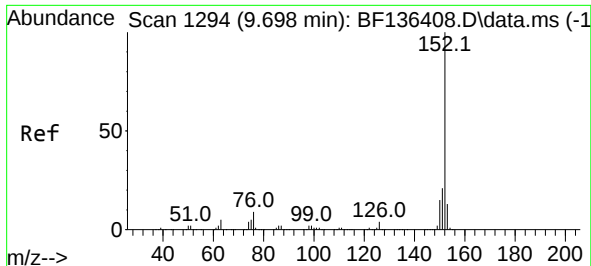
Tgt Ion:162 Resp: 737927
Ion Ratio Lower Upper
162 100
127 40.6 31.1 46.7
164 31.7 24.6 37.0



#48
2-Nitroaniline
Concen: 40.830 ng
RT: 9.380 min Scan# 1240
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion: 65 Resp: 212583
Ion Ratio Lower Upper
65 100
92 71.6 56.1 84.1
138 113.3 86.7 130.1





#49

Acenaphthylene

Concen: 40.119 ng

RT: 9.698 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

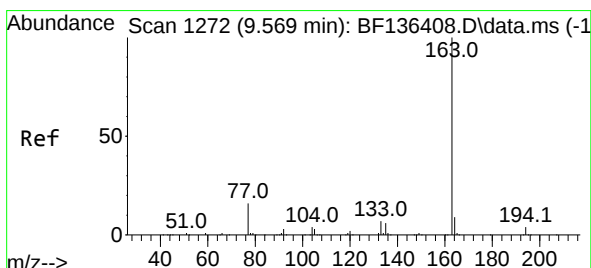
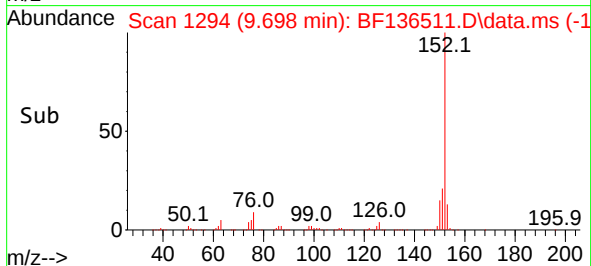
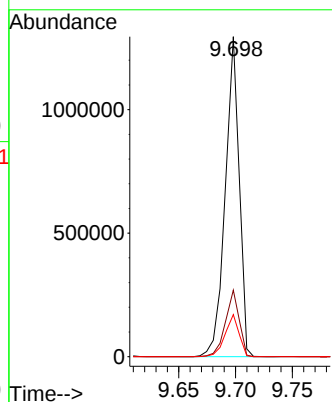
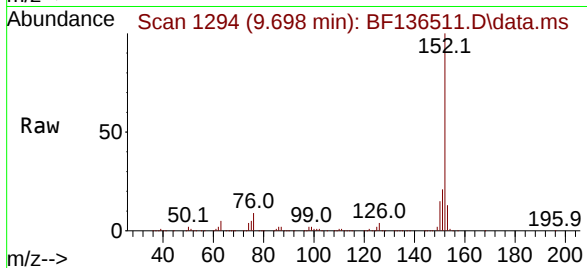
Tgt Ion:152 Resp: 1109453

Ion Ratio Lower Upper

152 100

151 20.8 17.2 25.8

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 41.700 ng

RT: 9.563 min Scan# 1271

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

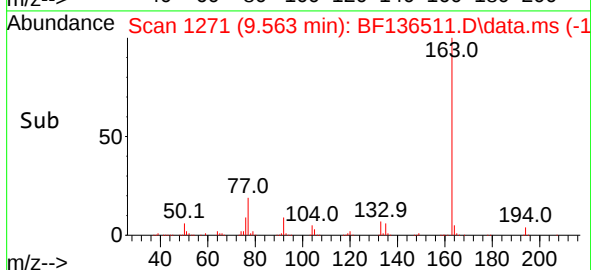
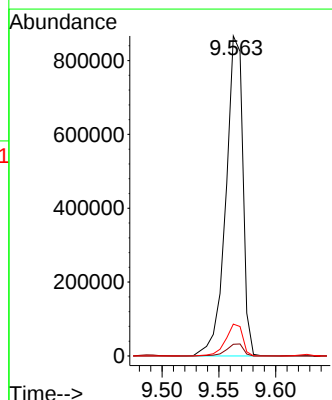
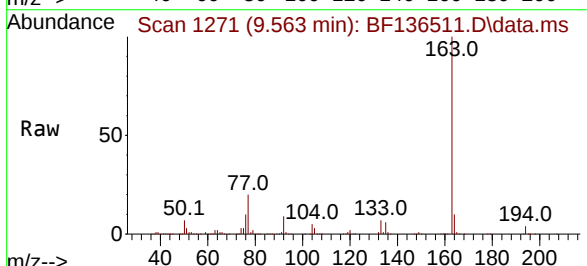
Tgt Ion:163 Resp: 899923

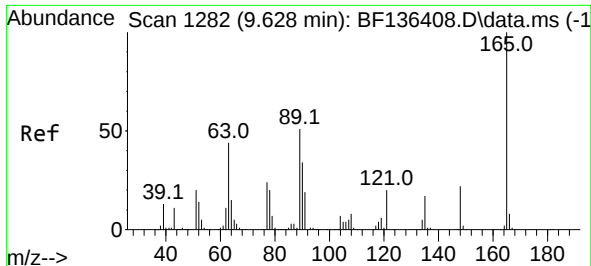
Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

164 9.9 7.4 11.2

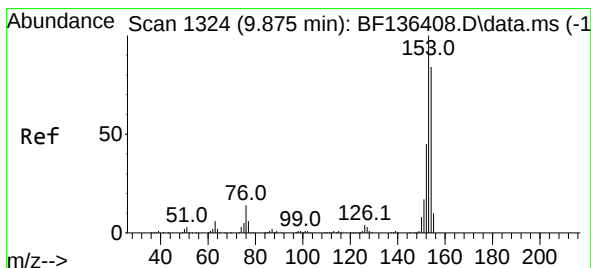
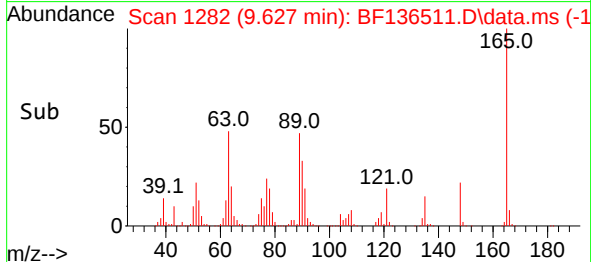
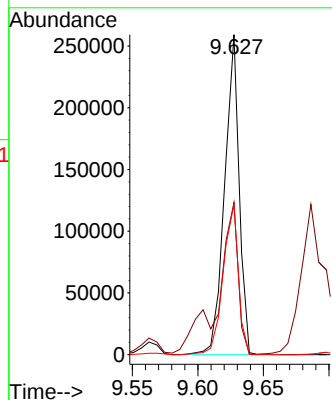
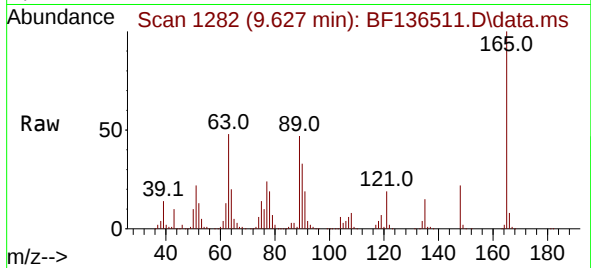




#51
2,6-Dinitrotoluene
Concen: 41.145 ng
RT: 9.627 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

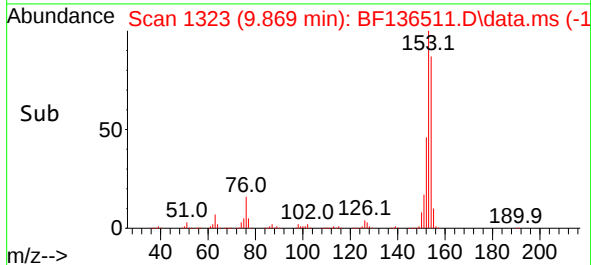
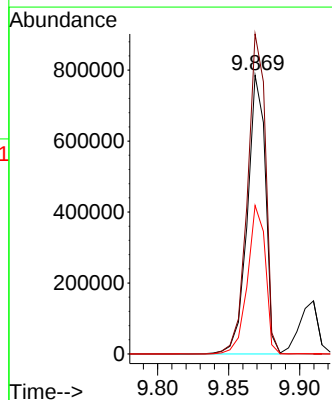
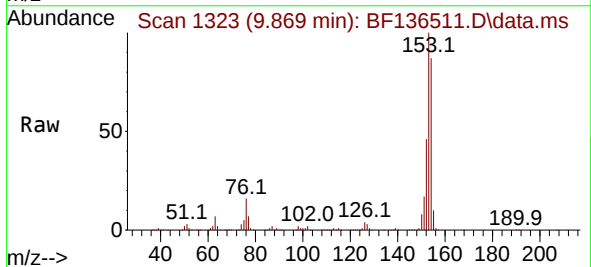
Instrument :
BNA_F
ClientSampleId :
PB157455BS

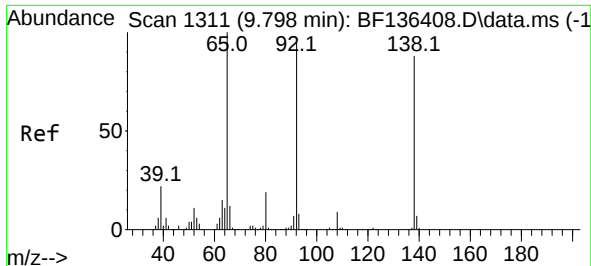
Tgt Ion:165 Resp: 199762
Ion Ratio Lower Upper
165 100
63 47.5 40.4 60.6
89 46.9 40.6 60.8



#52
Acenaphthene
Concen: 39.308 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:154 Resp: 696572
Ion Ratio Lower Upper
154 100
153 114.8 95.3 142.9
152 53.3 43.2 64.8

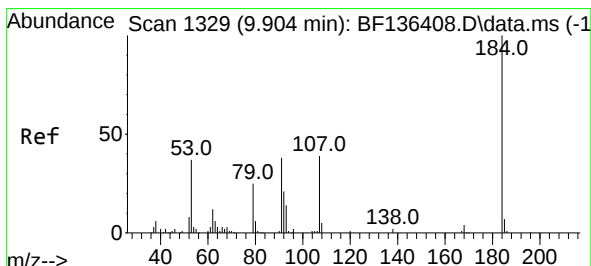
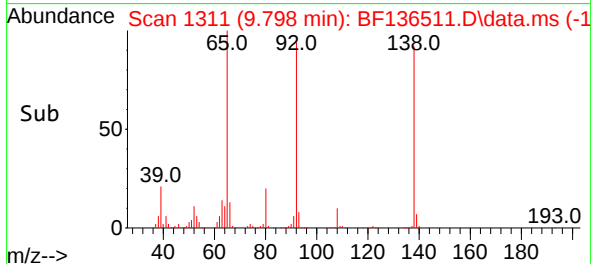
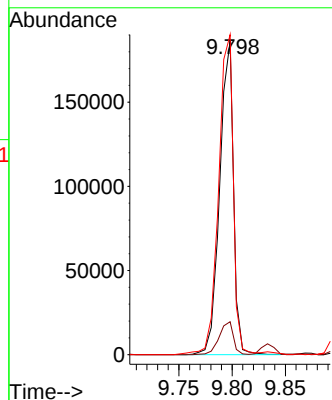
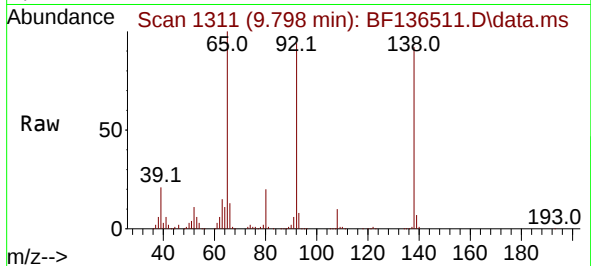




#53
3-Nitroaniline
Concen: 33.660 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

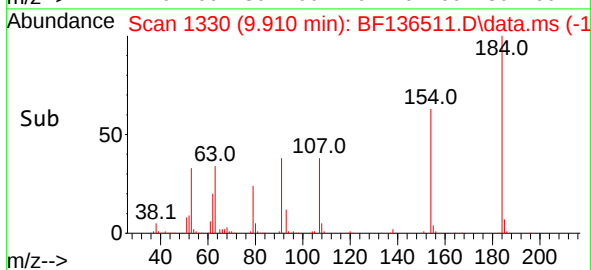
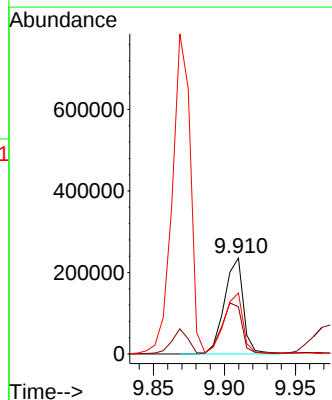
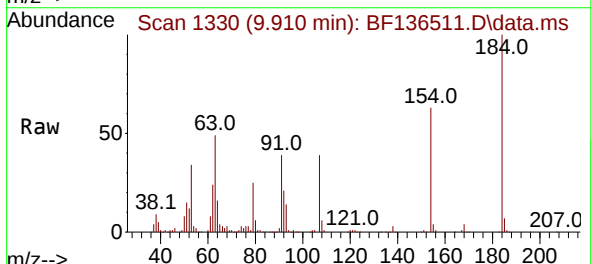
Instrument :
BNA_F
ClientSampleId :
PB157455BS

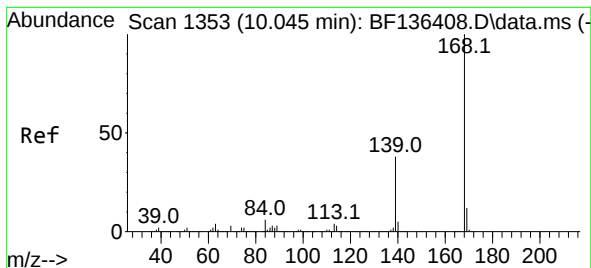
Tgt Ion:138 Resp: 166880
Ion Ratio Lower Upper
138 100
108 10.5 8.5 12.7
92 101.9 86.1 129.1



#54
2,4-Dinitrophenol
Concen: 88.976 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:184 Resp: 218411
Ion Ratio Lower Upper
184 100
63 49.2 39.1 58.7
154 63.5 49.9 74.9





#55

Dibenzofuran

Concen: 39.331 ng

RT: 10.045 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

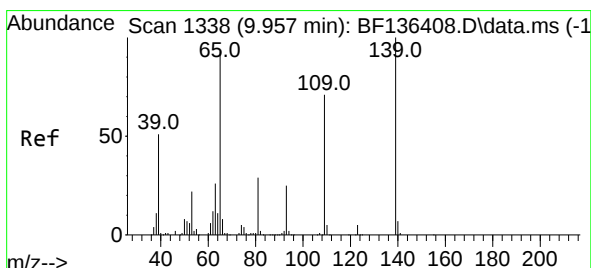
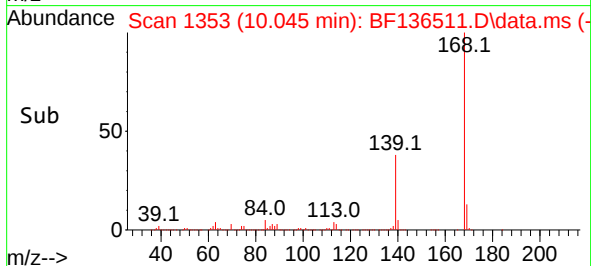
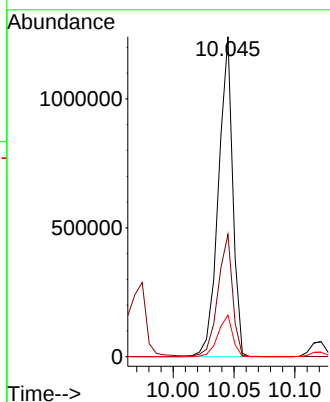
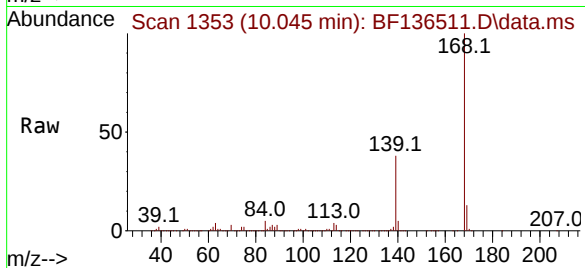
Tgt Ion:168 Resp: 1018192

Ion Ratio Lower Upper

168 100

139 38.2 30.4 45.6

169 13.0 9.9 14.9



#56

4-Nitrophenol

Concen: 82.169 ng

RT: 9.974 min Scan# 1341

Delta R.T. 0.018 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

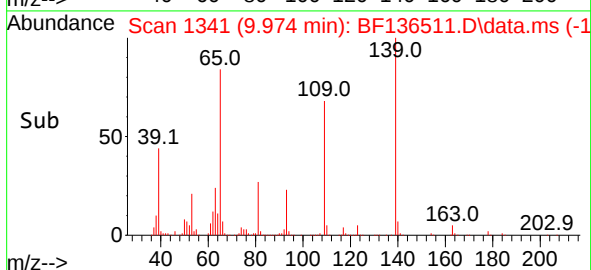
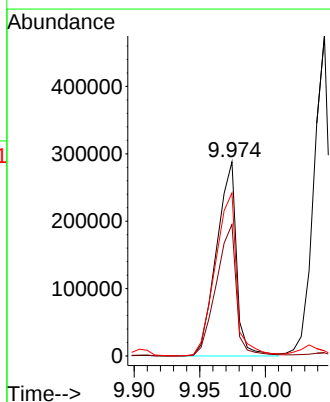
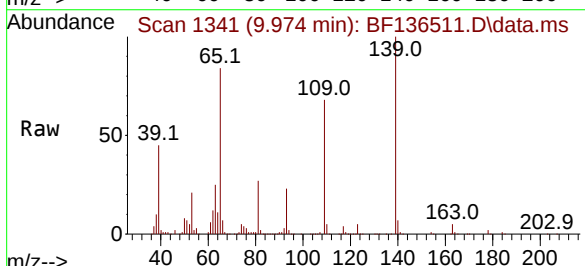
Tgt Ion:139 Resp: 305391

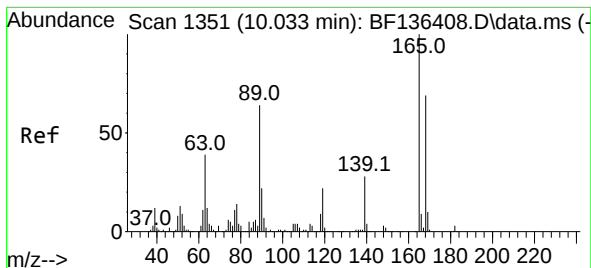
Ion Ratio Lower Upper

139 100

109 67.8 50.6 90.6

65 84.0 73.1 113.1

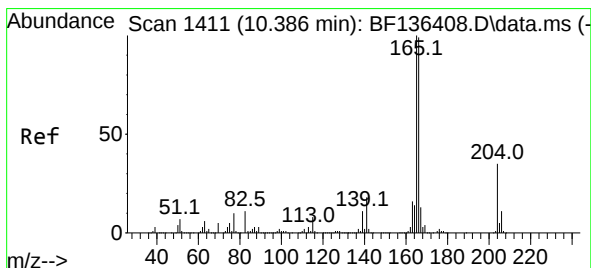
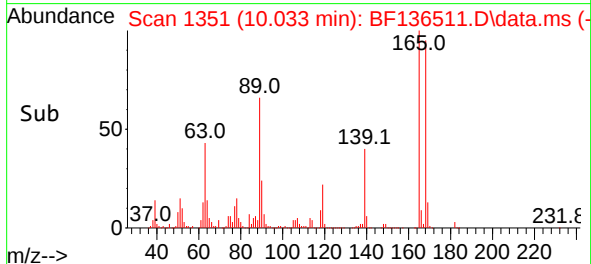
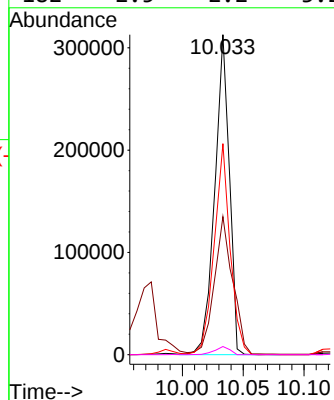
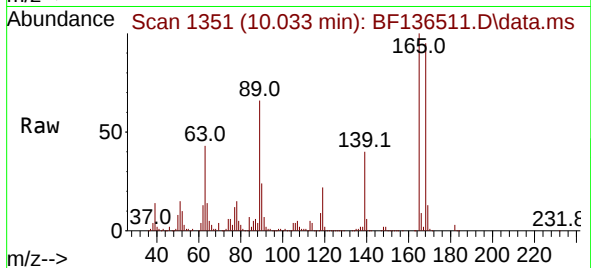




#57
2,4-Dinitrotoluene
Concen: 40.719 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

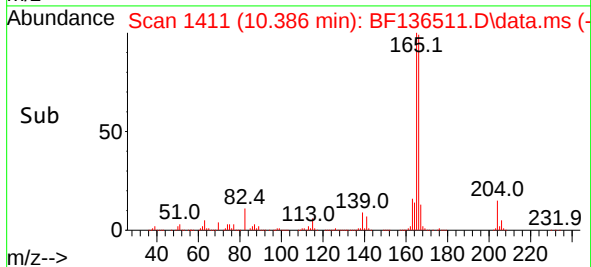
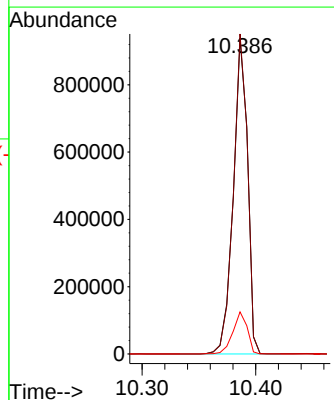
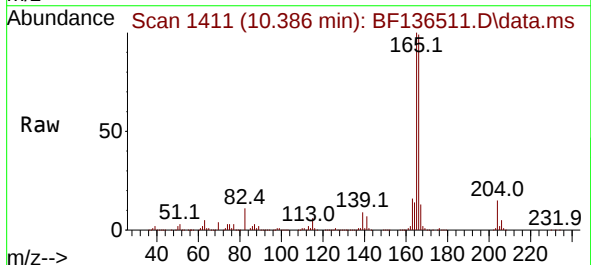
Instrument :
BNA_F
ClientSampleId :
PB157455BS

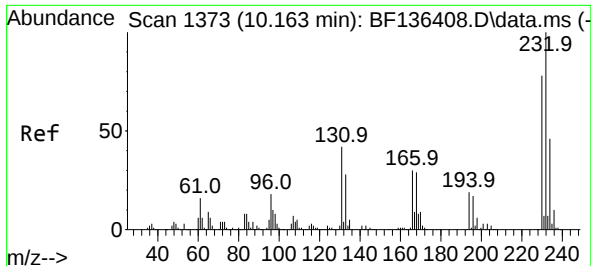
Tgt Ion:165 Resp: 261527
Ion Ratio Lower Upper
165 100
63 43.2 31.4 47.2
89 66.0 51.7 77.5
182 2.5 2.2 3.2



#58
Fluorene
Concen: 39.353 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:166 Resp: 817806
Ion Ratio Lower Upper
166 100
165 101.4 80.5 120.7
167 13.3 10.5 15.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 43.699 ng

RT: 10.163 min Scan# 1373

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

Tgt Ion:232 Resp: 231978

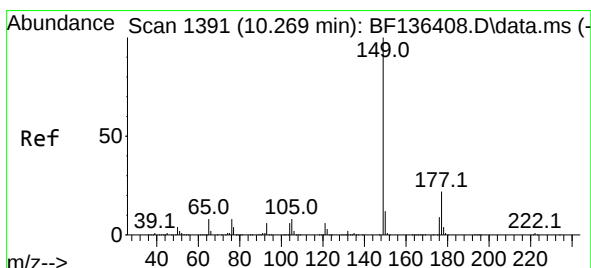
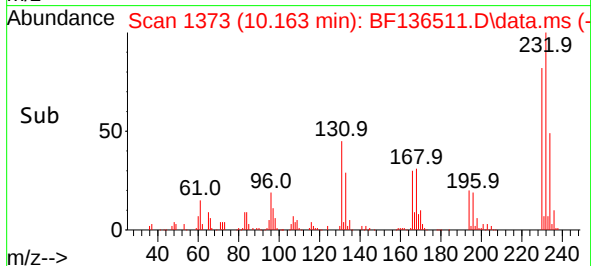
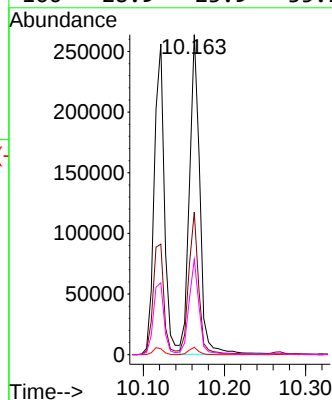
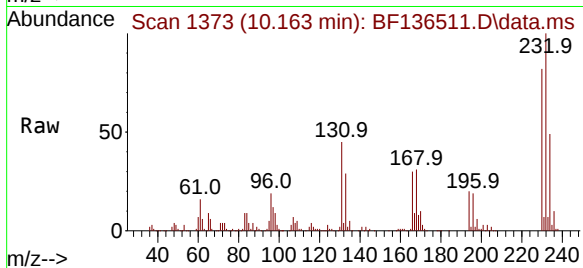
Ion Ratio Lower Upper

232 100

131 43.9 34.3 51.5

130 2.2 1.6 2.4

166 28.9 23.9 35.9



#60

Diethylphthalate

Concen: 40.901 ng

RT: 10.269 min Scan# 1391

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

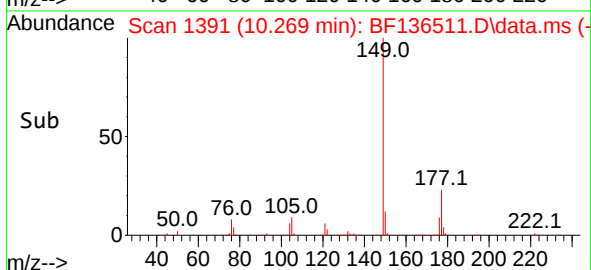
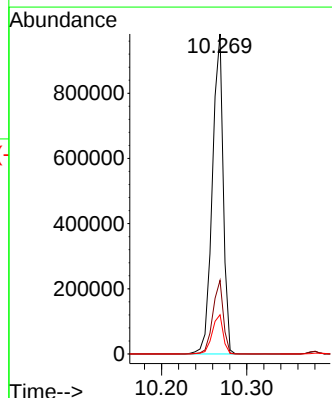
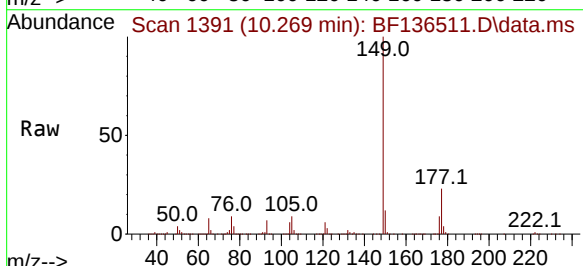
Tgt Ion:149 Resp: 867968

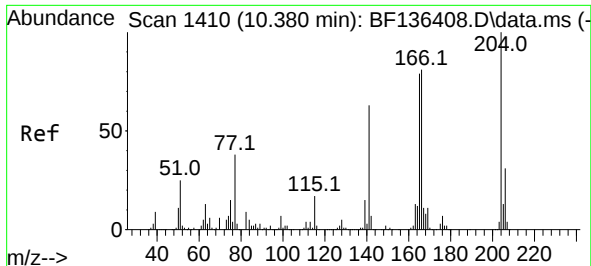
Ion Ratio Lower Upper

149 100

177 23.0 17.8 26.8

150 12.3 9.4 14.0

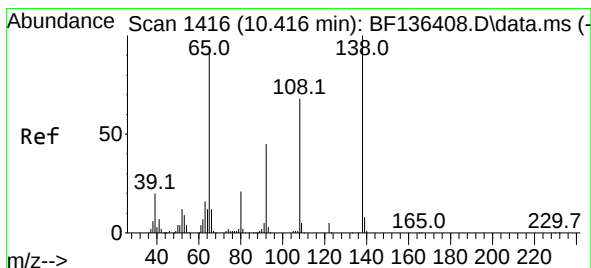
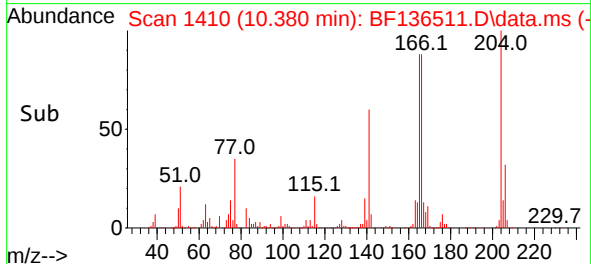
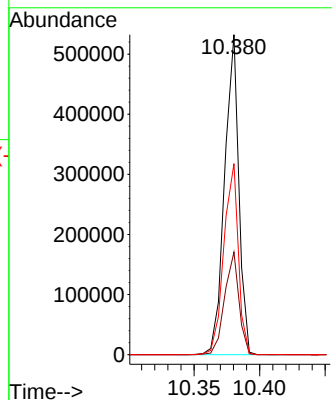
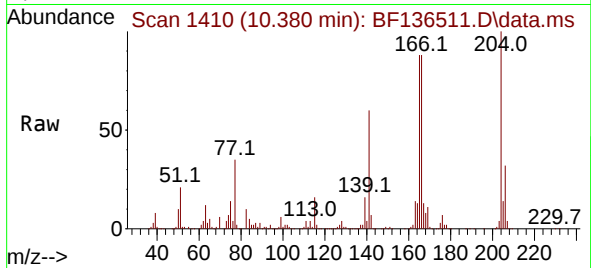




#61
4-Chlorophenyl-phenylether
Concen: 39.498 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

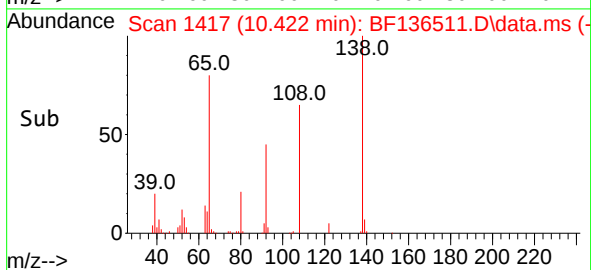
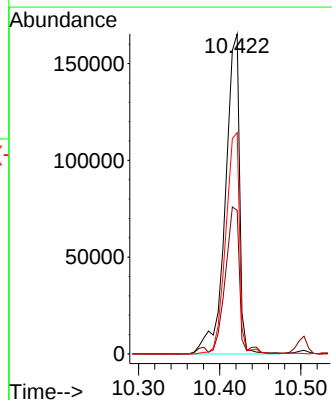
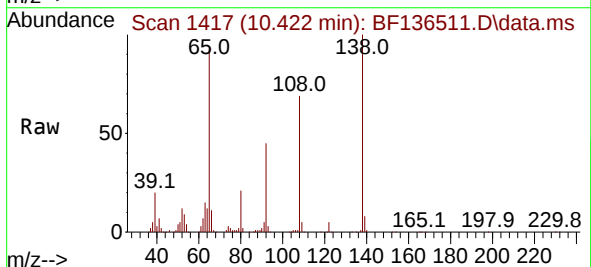
Instrument :
BNA_F
ClientSampleId :
PB157455BS

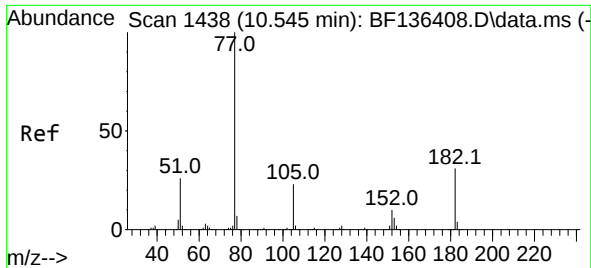
Tgt Ion:204 Resp: 400136
Ion Ratio Lower Upper
204 100
206 32.1 24.6 36.8
141 59.7 50.3 75.5



#62
4-Nitroaniline
Concen: 40.826 ng
RT: 10.422 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:138 Resp: 200983
Ion Ratio Lower Upper
138 100
92 44.9 25.0 65.0
108 69.1 47.9 87.9

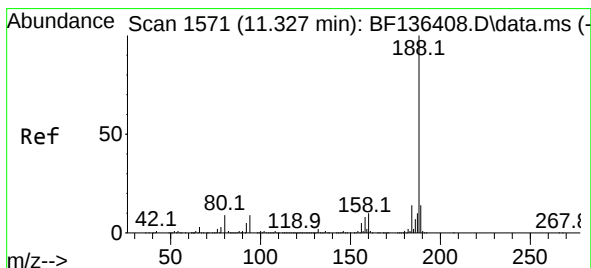
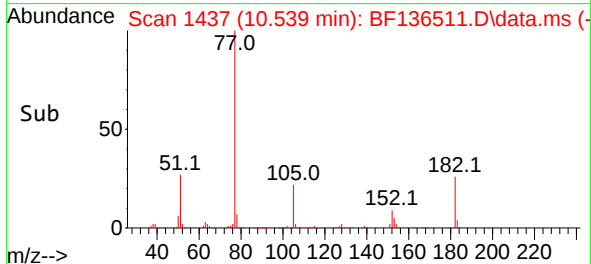
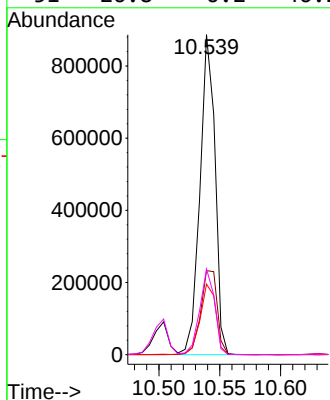
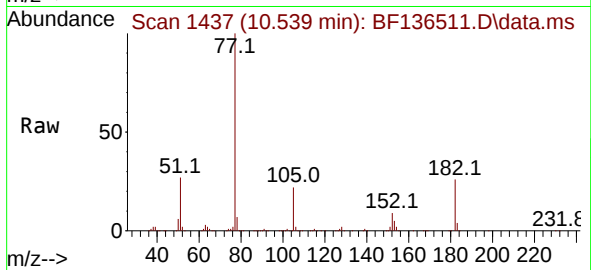




#63
Azobenzene
Concen: 39.576 ng
RT: 10.539 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

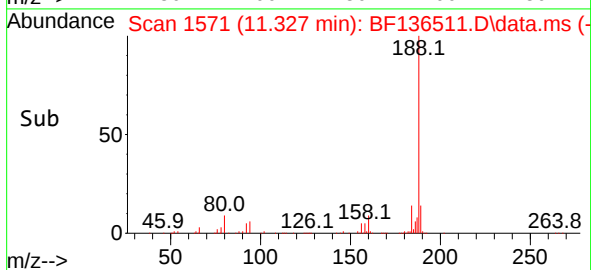
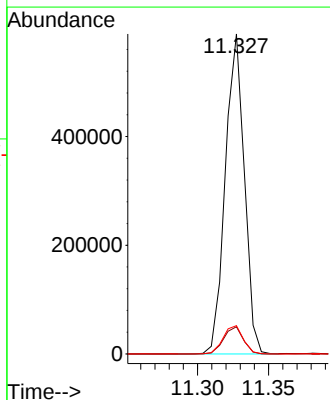
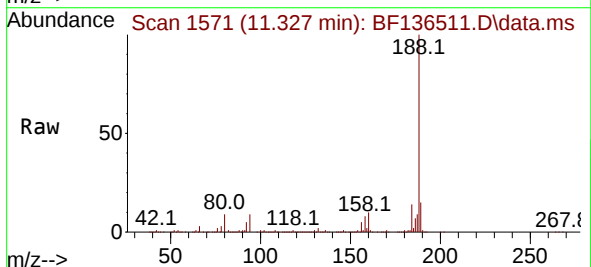
Instrument :
BNA_F
ClientSampleId :
PB157455BS

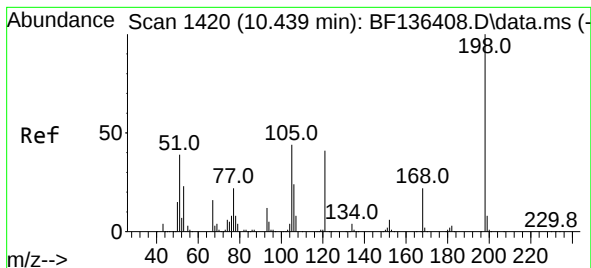
Tgt Ion: 77	Resp: 764439
Ion Ratio	Lower Upper
77 100	
182 26.2	10.8 50.8
105 22.0	2.6 42.6
51 26.8	6.2 46.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:188	Resp: 548616
Ion Ratio	Lower Upper
188 100	
94 8.5	7.2 10.8
80 8.8	7.2 10.8

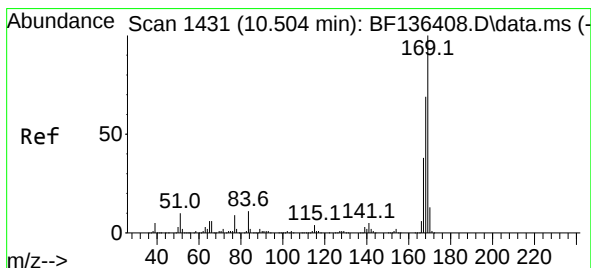
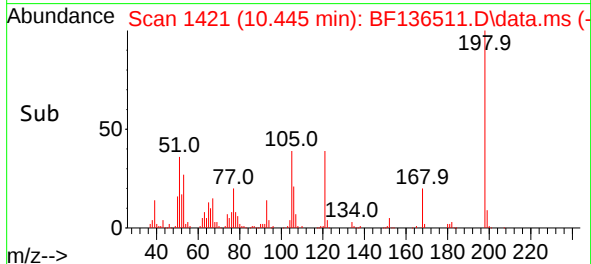
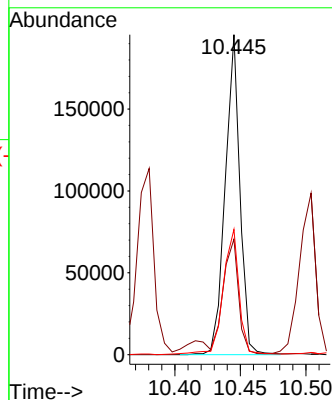
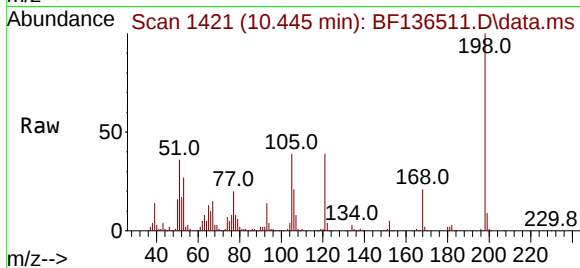




#65
4,6-Dinitro-2-methylphenol
Concen: 44.734 ng
RT: 10.445 min Scan# 1421
Delta R.T. 0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

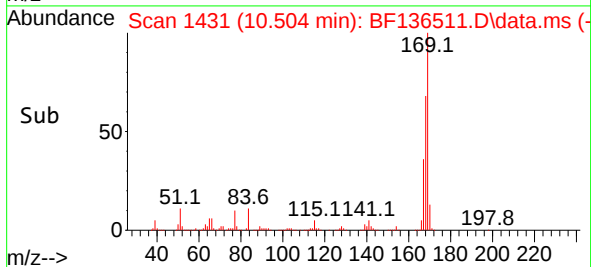
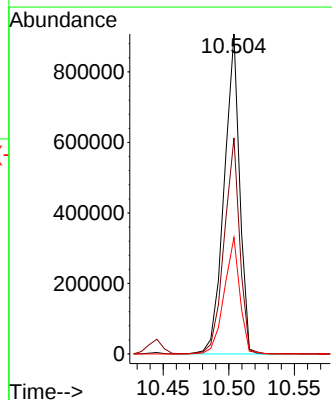
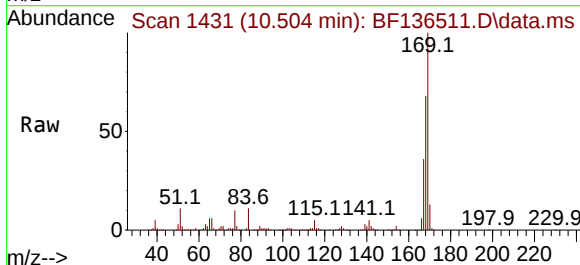
Instrument :
BNA_F
ClientSampleId :
PB157455BS

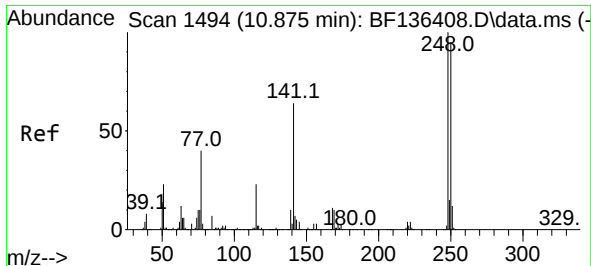
Tgt Ion:198 Resp: 151989
Ion Ratio Lower Upper
198 100
51 36.1 24.1 64.1
105 39.2 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 42.142 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:169 Resp: 741858
Ion Ratio Lower Upper
169 100
168 67.5 55.3 82.9
167 36.4 30.1 45.1

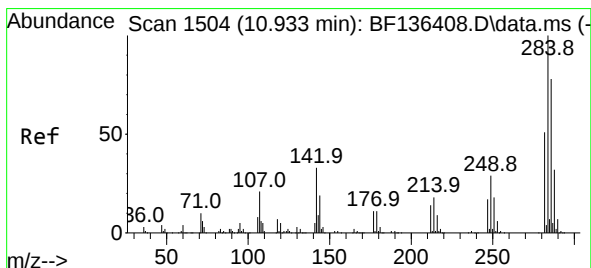
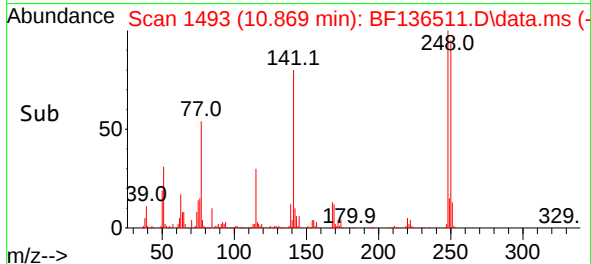
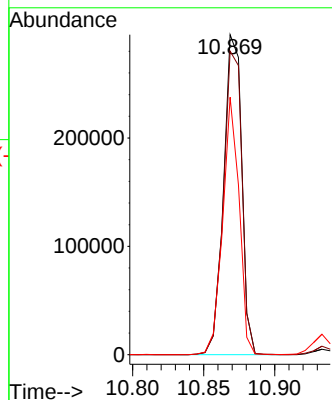
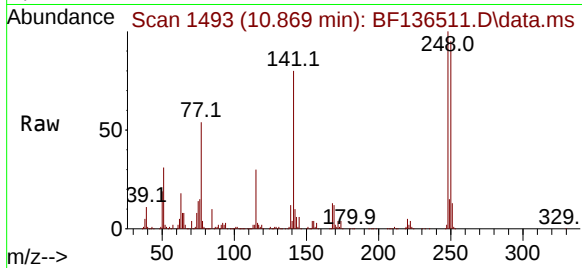




#67
4-Bromophenyl-phenylether
Concen: 41.113 ng
RT: 10.869 min Scan# 1493
Delta R.T. -0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

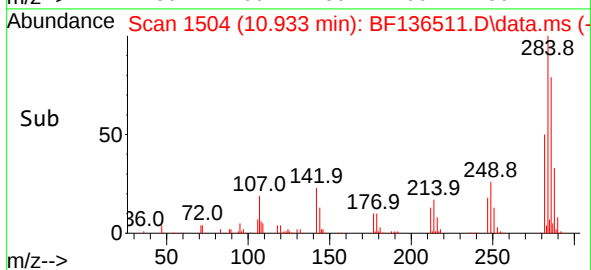
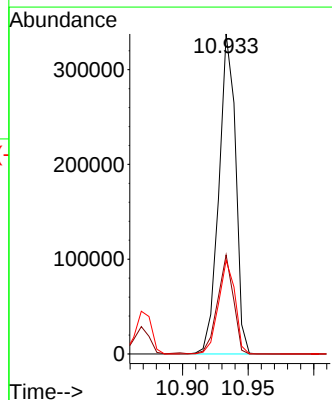
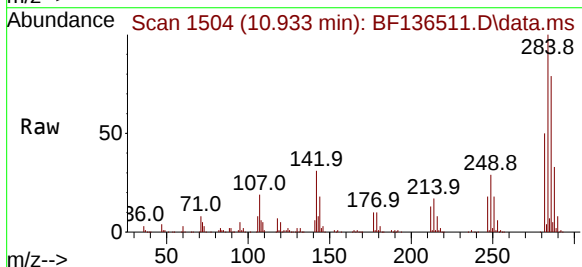
Instrument :
BNA_F
ClientSampleId :
PB157455BS

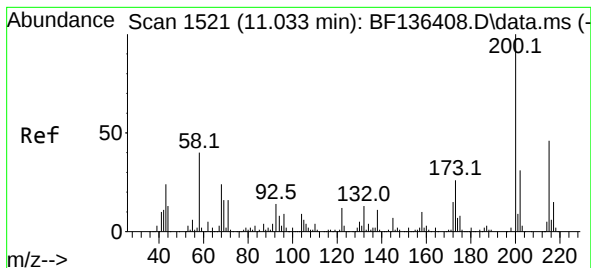
Tgt Ion:248 Resp: 262239
Ion Ratio Lower Upper
248 100
250 94.8 76.2 114.2
141 80.4 51.0 76.4#



#68
Hexachlorobenzene
Concen: 40.525 ng
RT: 10.933 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:284 Resp: 298755
Ion Ratio Lower Upper
284 100
142 31.0 26.5 39.7
249 29.2 23.4 35.0





#69

Atrazine

Concen: 65.694 ng

RT: 11.039 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

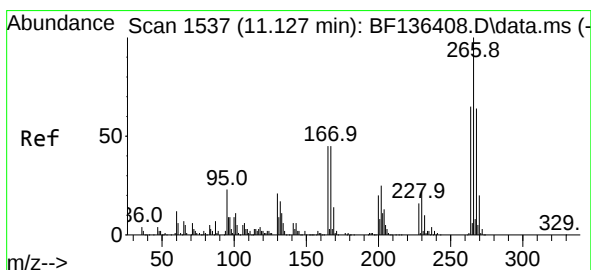
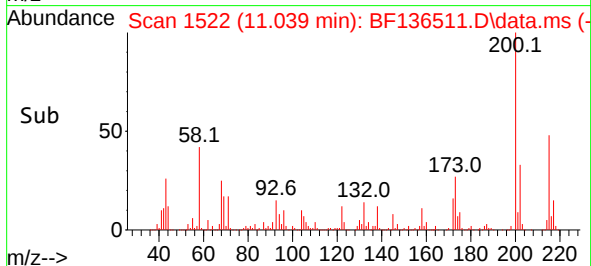
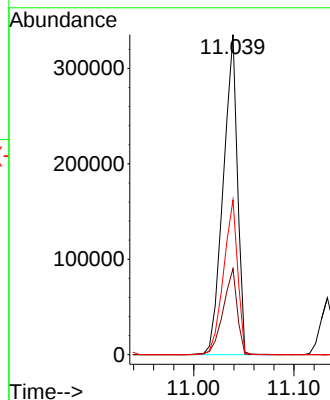
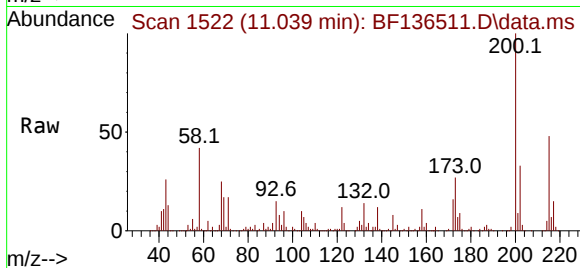
Tgt Ion:200 Resp: 330078

Ion Ratio Lower Upper

200 100

173 26.9 6.0 46.0

215 48.4 25.5 65.5



#70

Pentachlorophenol

Concen: 73.068 ng

RT: 11.133 min Scan# 1538

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

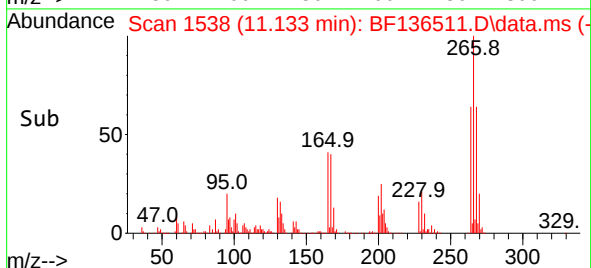
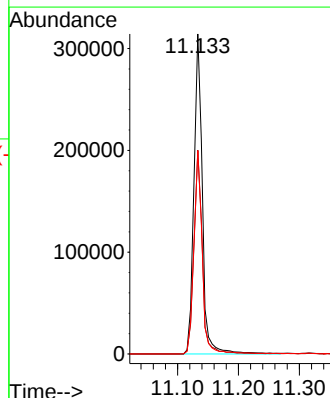
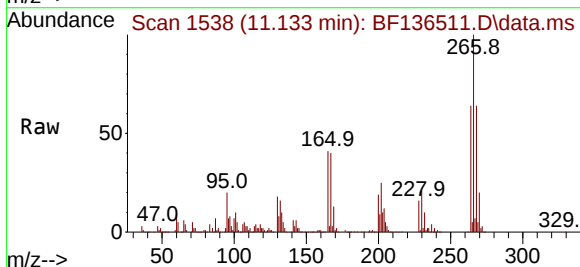
Tgt Ion:266 Resp: 304016

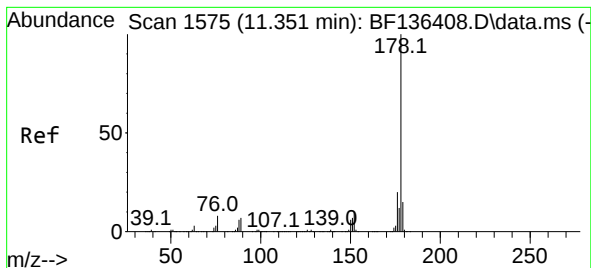
Ion Ratio Lower Upper

266 100

268 63.7 51.0 76.6

264 63.6 52.2 78.4





#71

Phenanthrene

Concen: 41.486 ng

RT: 11.357 min Scan# 1575

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

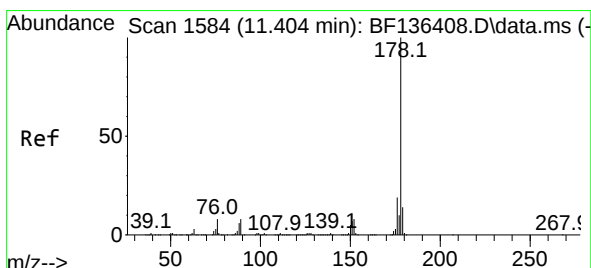
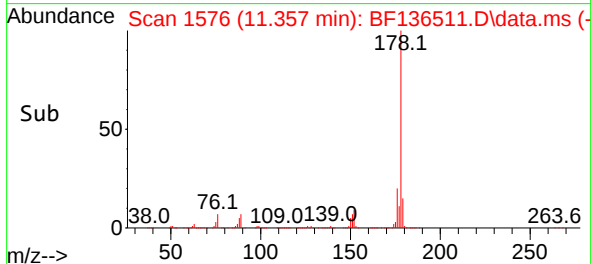
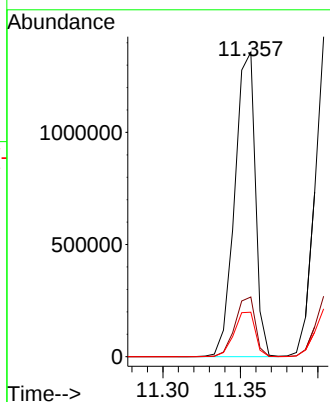
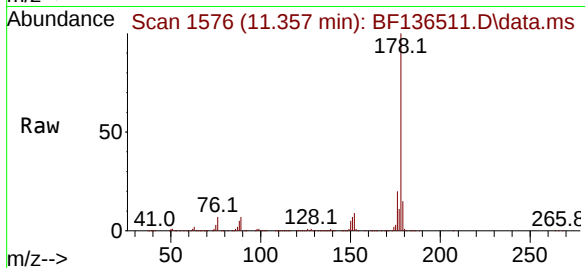
Tgt Ion:178 Resp: 1250986

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

179 14.6 11.8 17.6



#72

Anthracene

Concen: 41.550 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

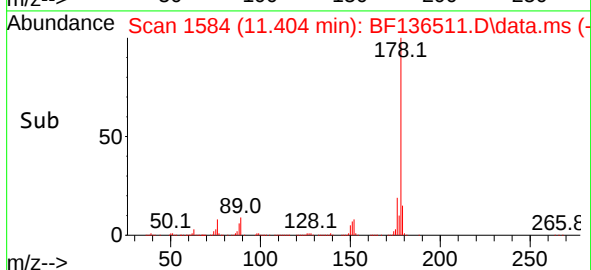
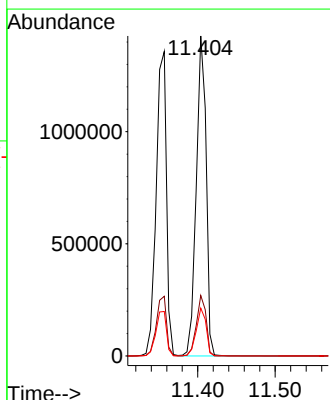
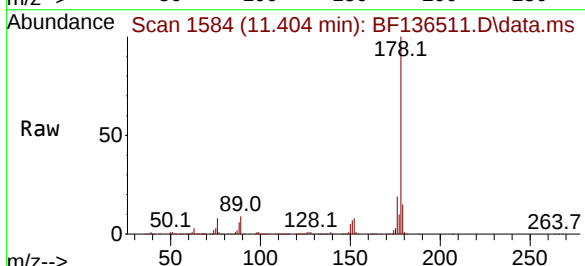
Tgt Ion:178 Resp: 1261966

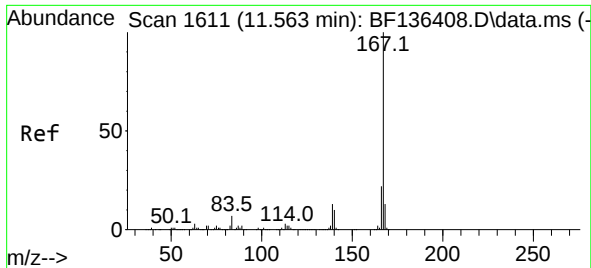
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.0 11.4 17.0



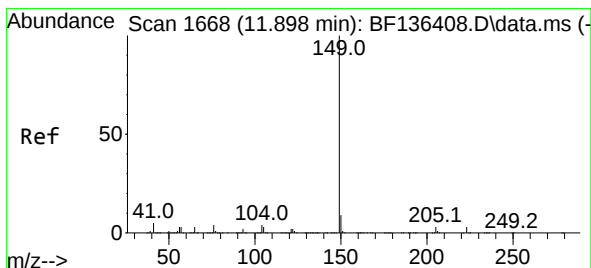
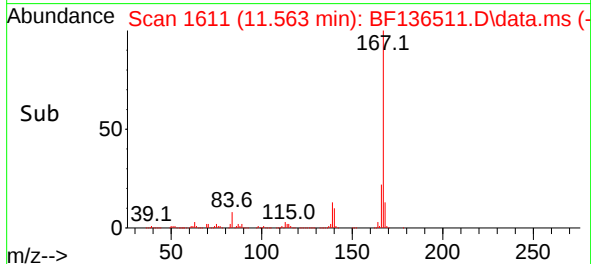
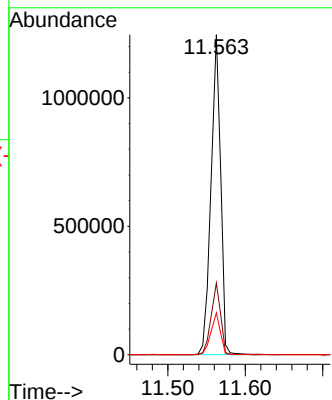
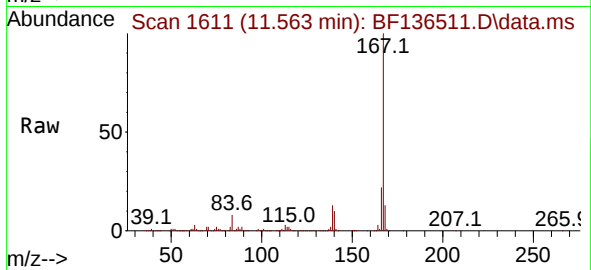


#73
 Carbazole
 Concen: 40.012 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. -0.000 min
 Lab File: BF136511.D
 Acq: 12 Dec 2023 12:26

Instrument :
 BNA_F
 ClientSampleId :
 PB157455BS

Tgt Ion:167 Resp: 1075589

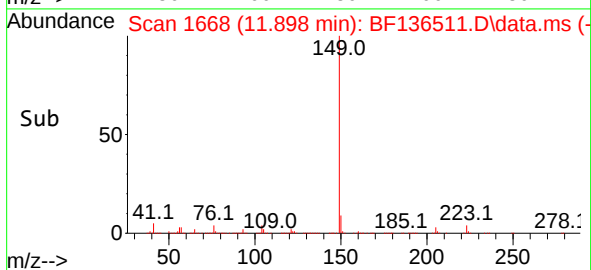
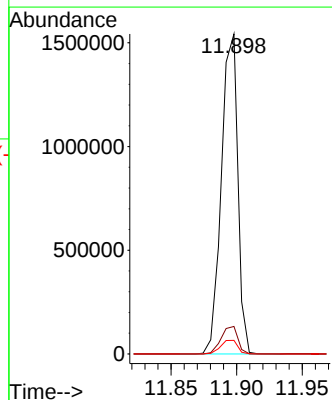
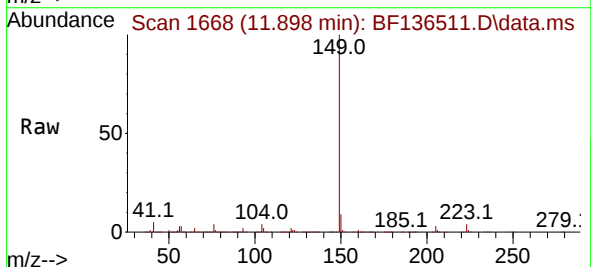
Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.0	27.0
139	13.1	10.2	15.4

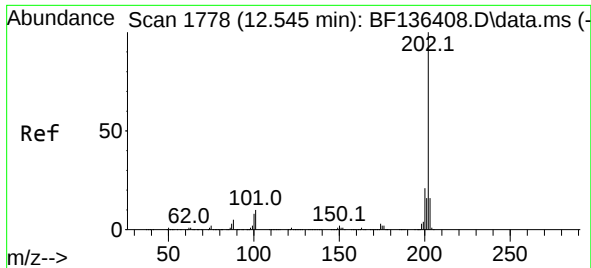


#74
 Di-n-butylphthalate
 Concen: 40.700 ng
 RT: 11.898 min Scan# 1668
 Delta R.T. -0.000 min
 Lab File: BF136511.D
 Acq: 12 Dec 2023 12:26

Tgt Ion:149 Resp: 1341249

Ion	Ratio	Lower	Upper
149	100		
150	8.6	6.9	10.3
104	4.3	3.5	5.3

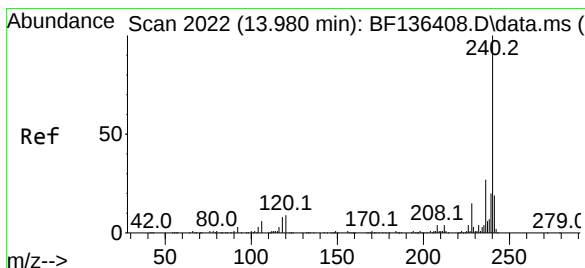
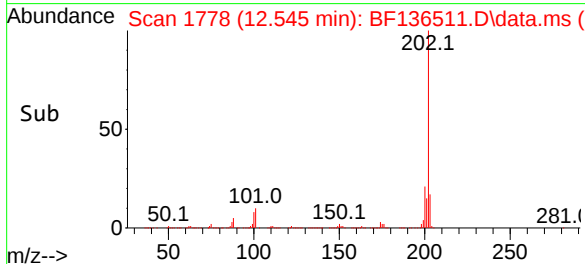
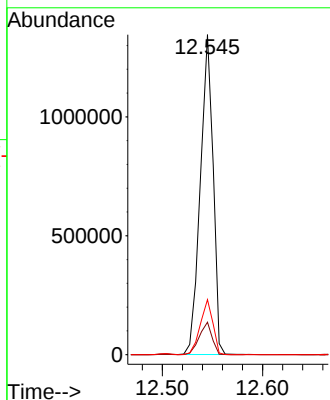
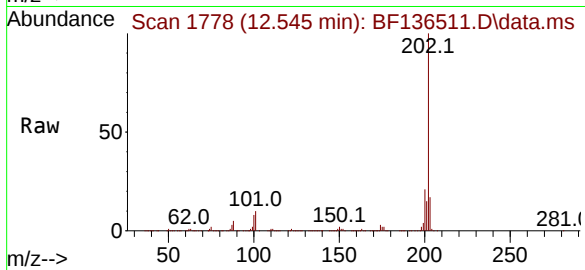




#75
Fluoranthene
Concen: 37.829 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

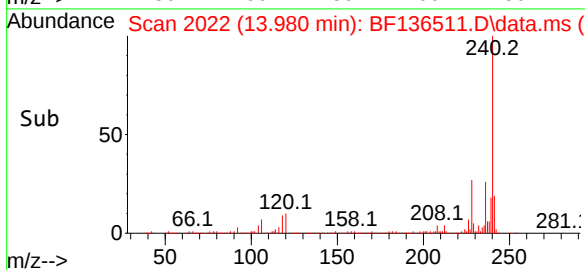
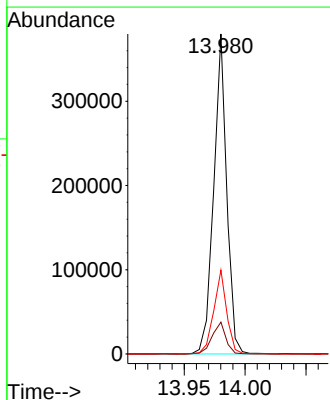
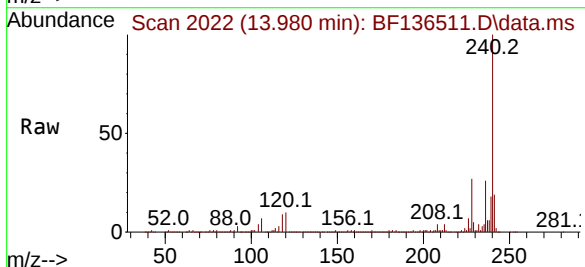
Instrument :
BNA_F
ClientSampleId :
PB157455BS

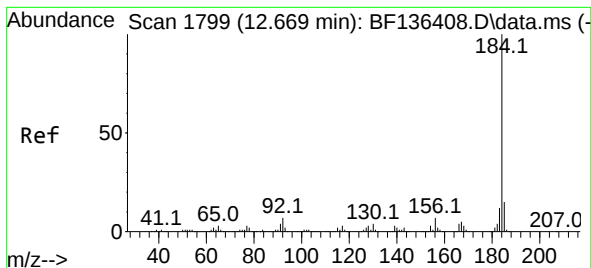
Tgt Ion:202 Resp: 1195400
Ion Ratio Lower Upper
202 100
101 10.2 0.0 29.9
203 17.2 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:240 Resp: 281695
Ion Ratio Lower Upper
240 100
120 9.9 7.3 10.9
236 26.2 21.3 31.9





#77

Benzidine

Concen: 44.831 ng

RT: 12.668 min Scan# 1799

Delta R.T. -0.001 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

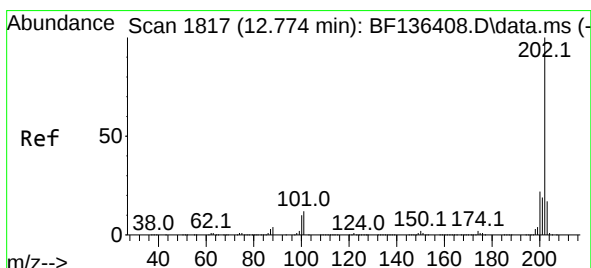
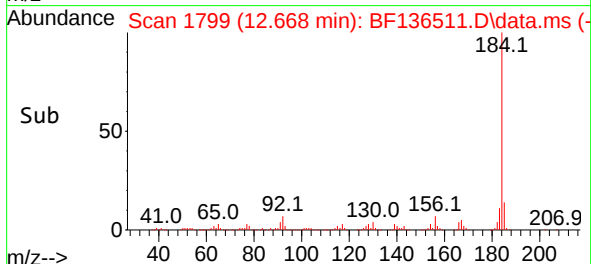
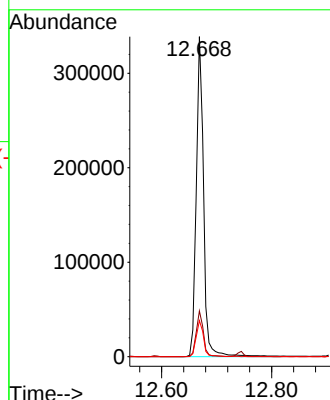
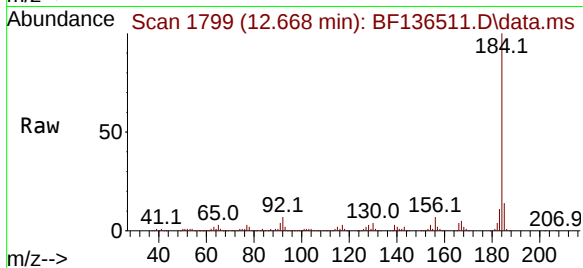
Tgt Ion:184 Resp: 311466

Ion Ratio Lower Upper

184 100

185 14.3 12.0 18.0

183 11.3 9.4 14.0



#78

Pyrene

Concen: 42.522 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

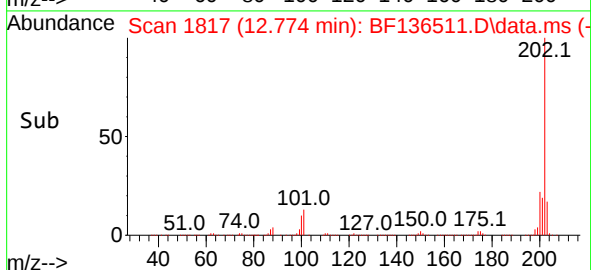
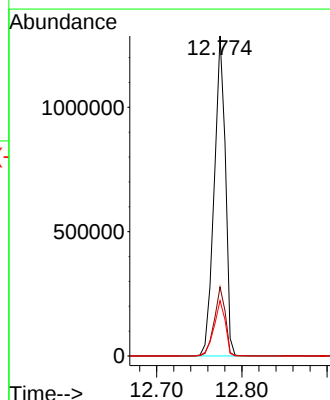
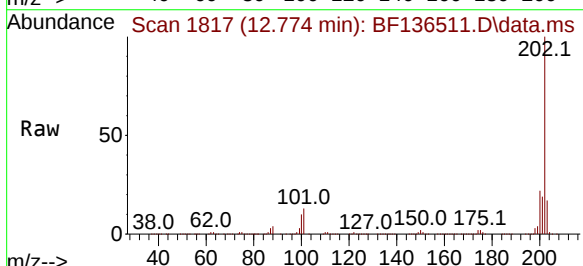
Tgt Ion:202 Resp: 1173090

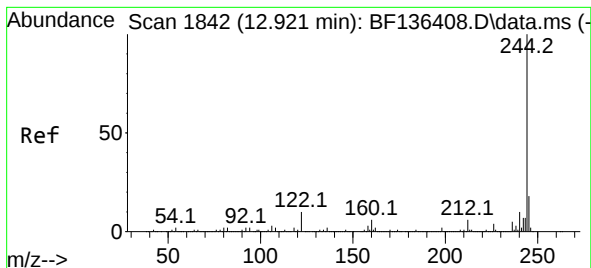
Ion Ratio Lower Upper

202 100

200 21.6 18.0 27.0

203 17.3 13.5 20.3





#79

Terphenyl-d14

Concen: 83.372 ng

RT: 12.921 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

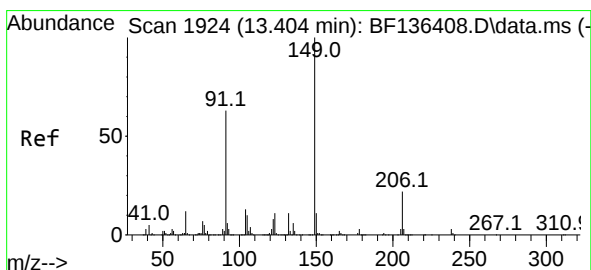
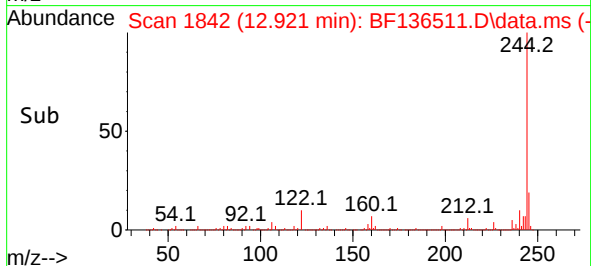
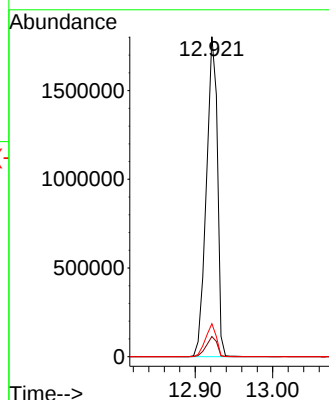
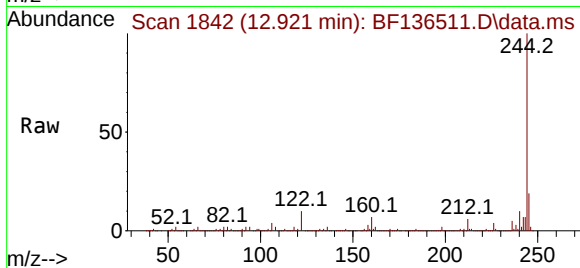
Tgt Ion:244 Resp: 1781837

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 10.3 8.3 12.5



#80

Butylbenzylphthalate

Concen: 43.161 ng

RT: 13.398 min Scan# 1923

Delta R.T. -0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

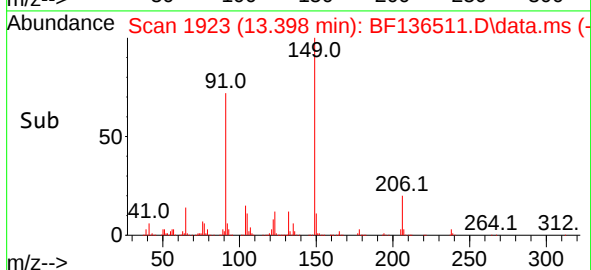
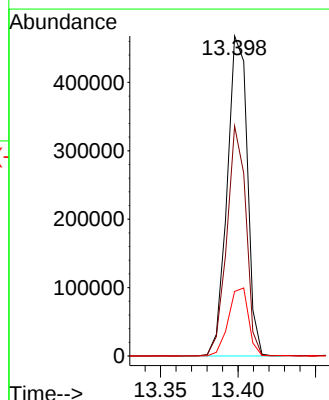
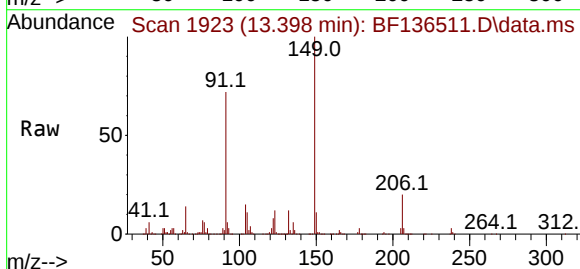
Tgt Ion:149 Resp: 423875

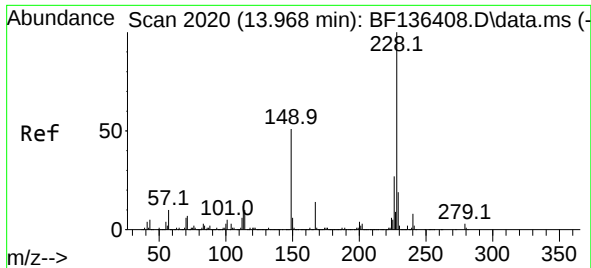
Ion Ratio Lower Upper

149 100

91 71.9 50.5 75.7

206 20.1 17.4 26.2

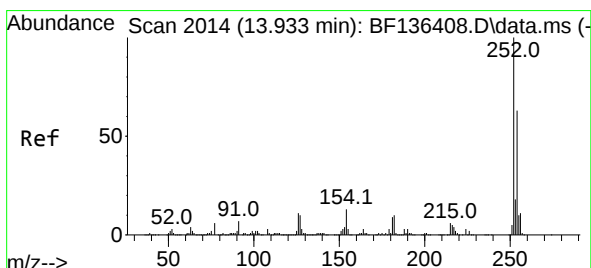
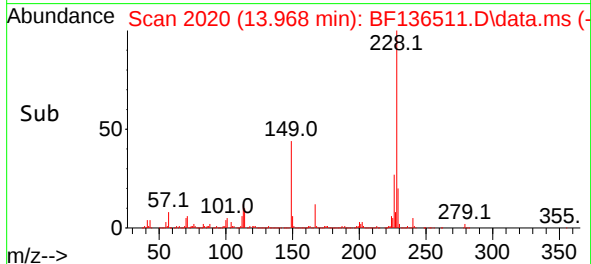
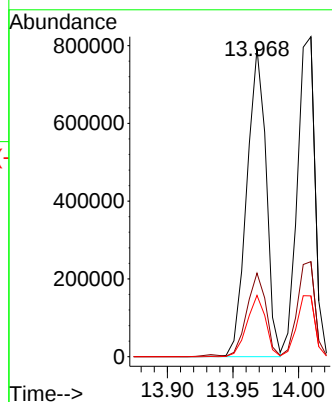
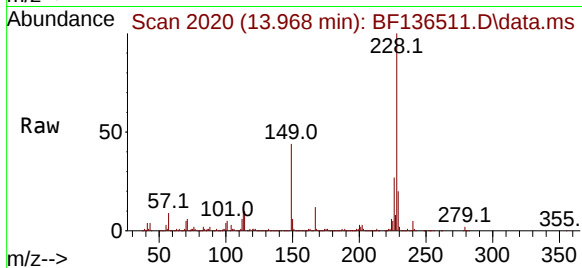




#81
Benzo(a)anthracene
Concen: 41.304 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

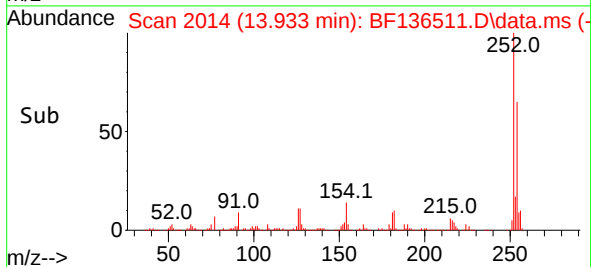
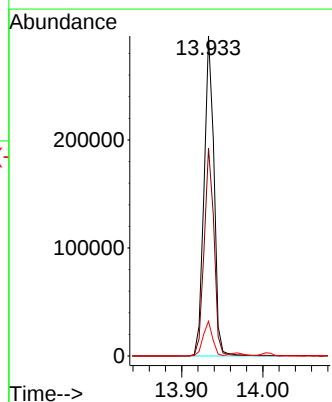
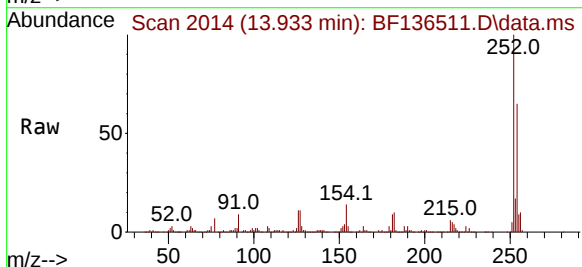
Instrument :
BNA_F
ClientSampleId :
PB157455BS

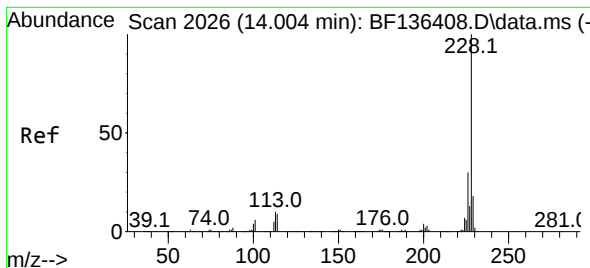
Tgt Ion:228 Resp: 810450
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.8
229 19.9 15.0 22.4



#82
3,3'-Dichlorobenzidine
Concen: 45.790 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:252 Resp: 251915
Ion Ratio Lower Upper
252 100
254 65.0 50.8 76.2
126 10.9 8.6 12.8





#83

Chrysene

Concen: 39.956 ng

RT: 14.009 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

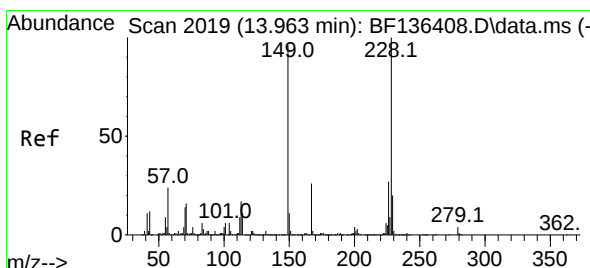
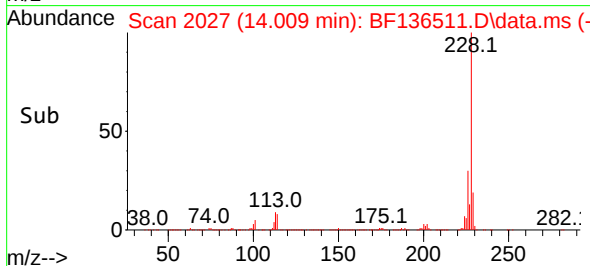
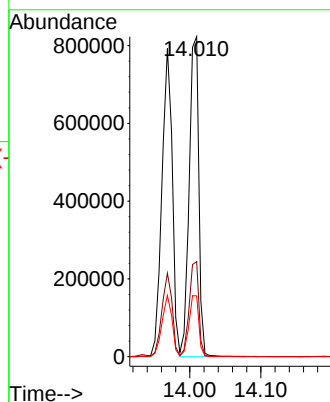
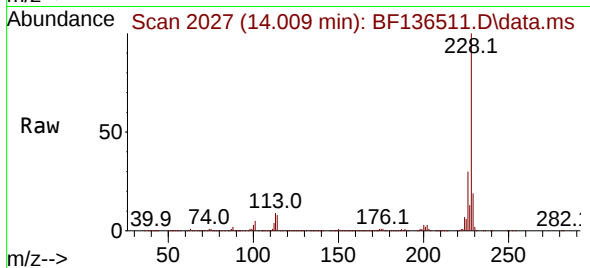
Tgt Ion:228 Resp: 771358

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

229 19.0 14.8 22.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.962 ng

RT: 13.962 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

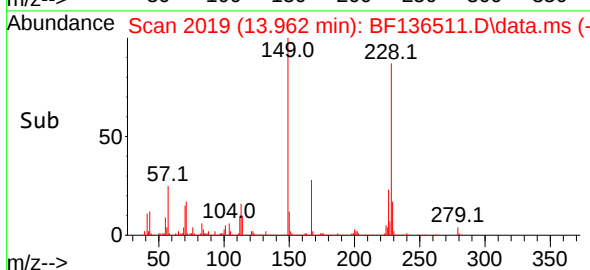
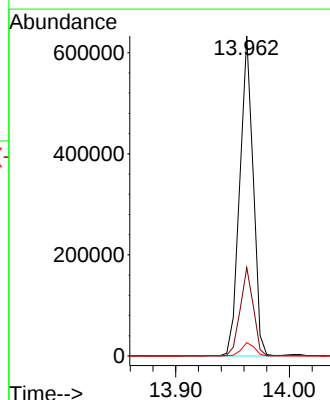
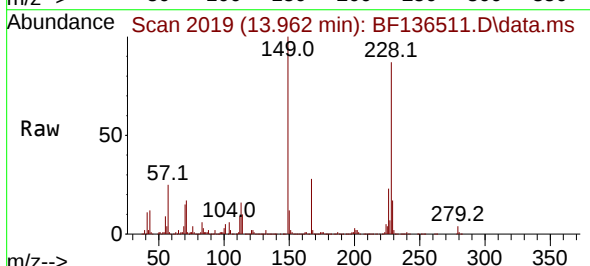
Tgt Ion:149 Resp: 517236

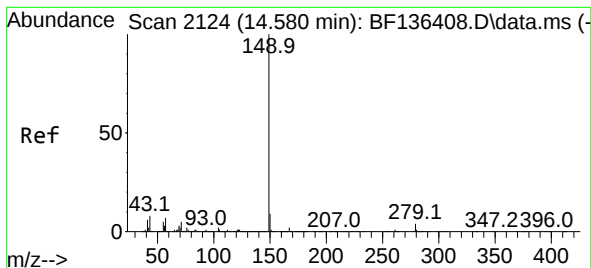
Ion Ratio Lower Upper

149 100

167 27.6 21.2 31.8

279 4.2 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 43.325 ng

RT: 14.580 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

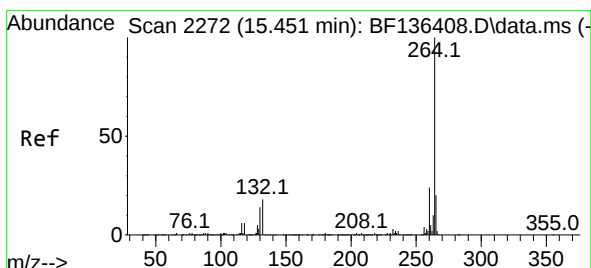
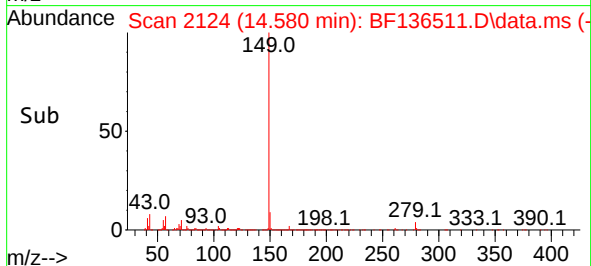
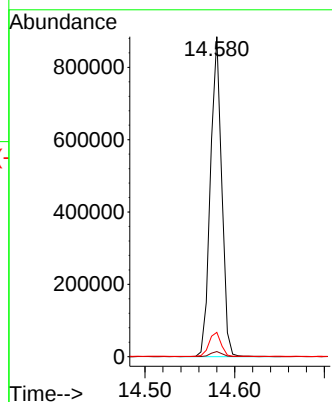
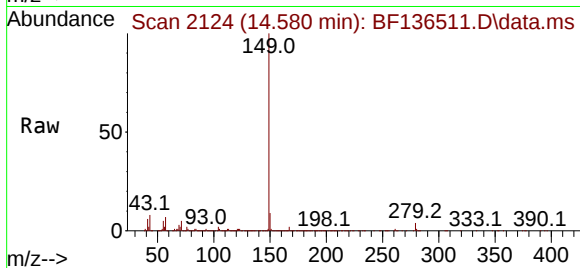
Tgt Ion:149 Resp: 770463

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.0 6.8 10.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.456 min Scan# 2273

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

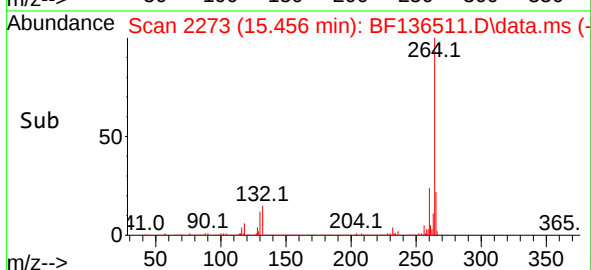
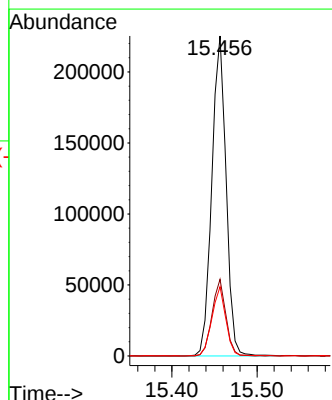
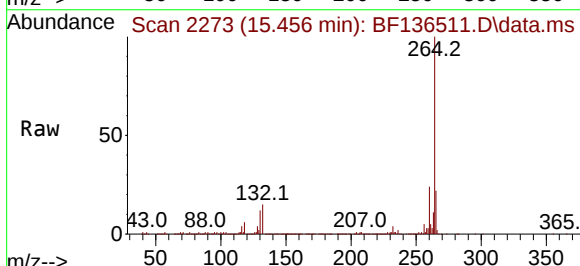
Tgt Ion:264 Resp: 262413

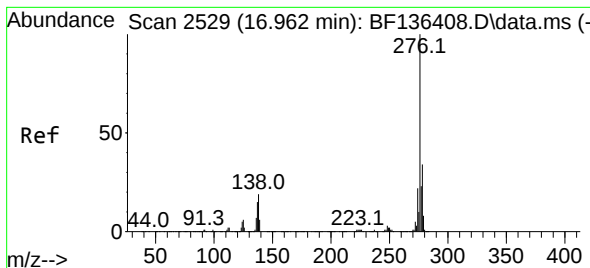
Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.6 15.9 23.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.898 ng

RT: 16.968 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

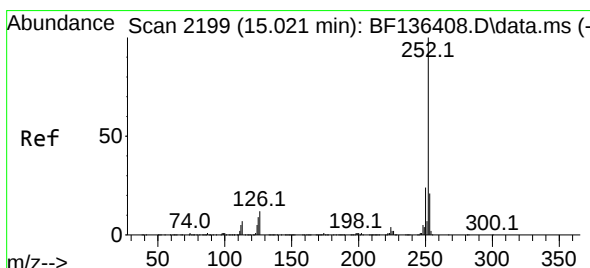
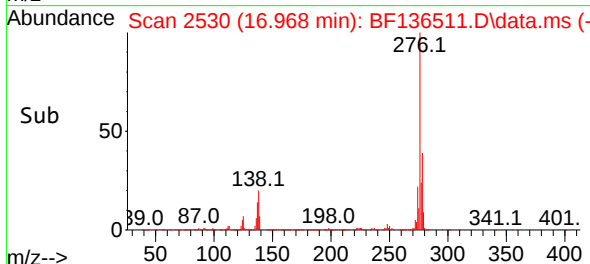
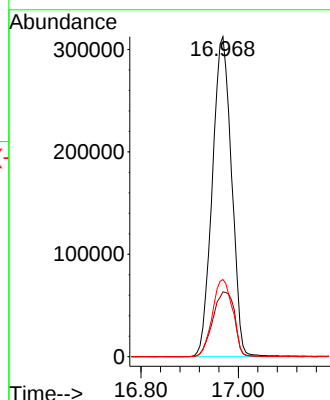
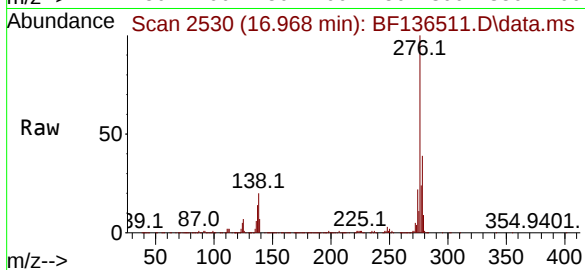
Tgt Ion:276 Resp: 854971

Ion Ratio Lower Upper

276 100

138 23.2 19.0 28.4

277 25.5 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 41.336 ng

RT: 15.027 min Scan# 2200

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

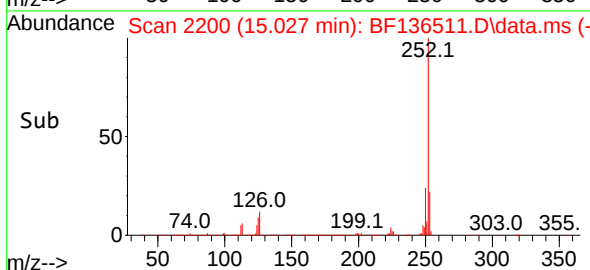
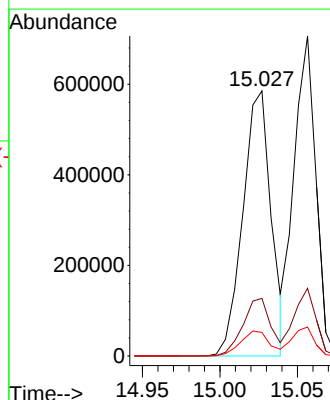
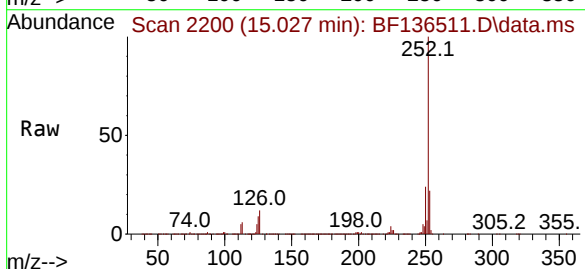
Tgt Ion:252 Resp: 741644

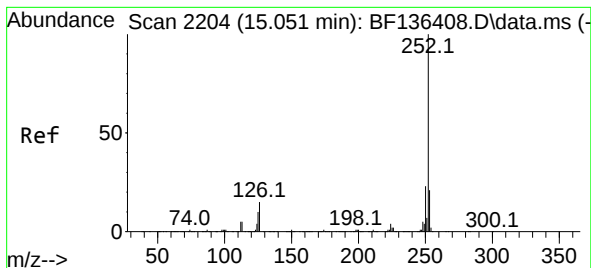
Ion Ratio Lower Upper

252 100

253 21.7 16.9 25.3

125 8.8 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 41.193 ng

RT: 15.057 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

Instrument :

BNA_F

ClientSampleId :

PB157455BS

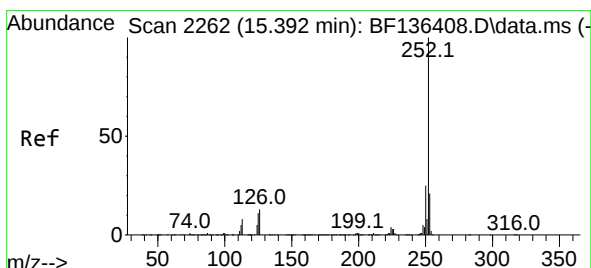
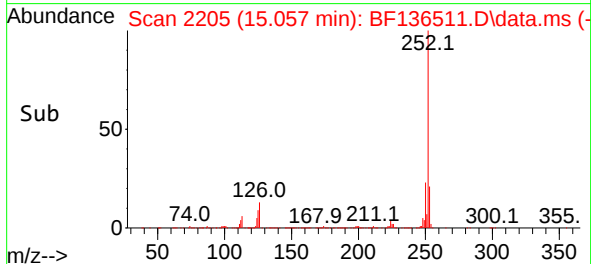
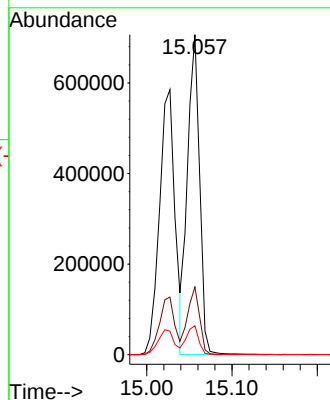
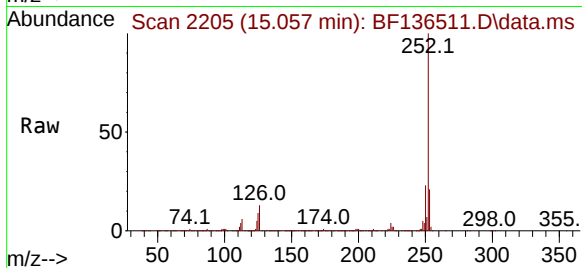
Tgt Ion:252 Resp: 696519

Ion Ratio Lower Upper

252 100

253 21.2 16.9 25.3

125 9.1 7.5 11.3



#90

Benzo(a)pyrene

Concen: 42.922 ng

RT: 15.398 min Scan# 2263

Delta R.T. 0.006 min

Lab File: BF136511.D

Acq: 12 Dec 2023 12:26

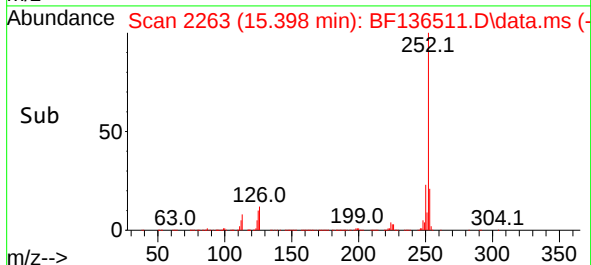
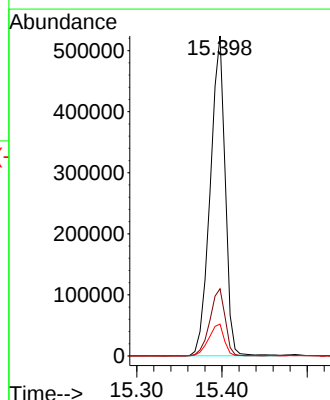
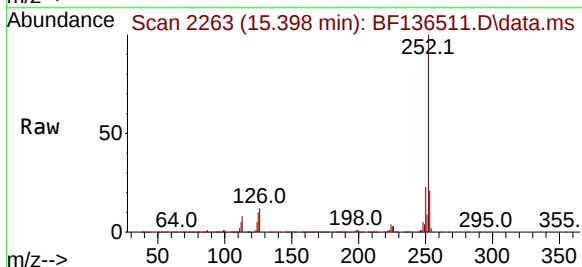
Tgt Ion:252 Resp: 635978

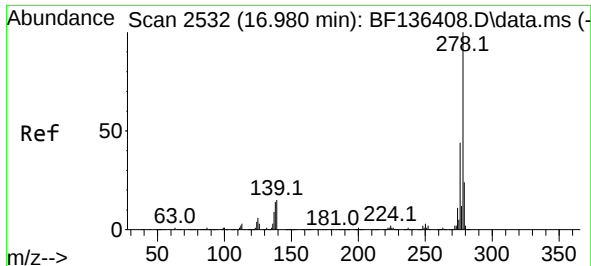
Ion Ratio Lower Upper

252 100

253 21.0 17.0 25.4

125 10.0 8.6 13.0

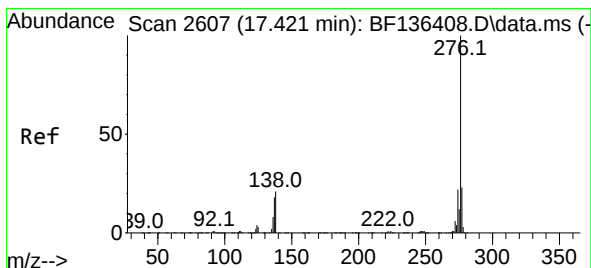
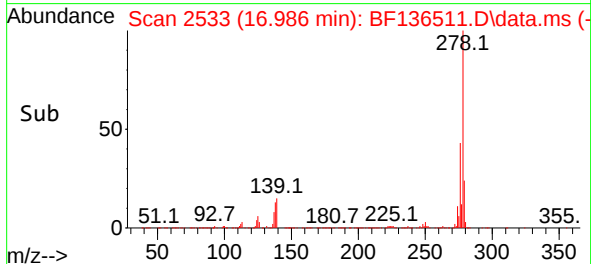
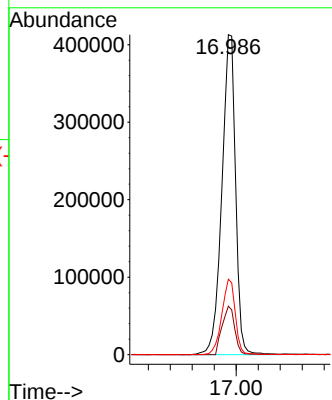
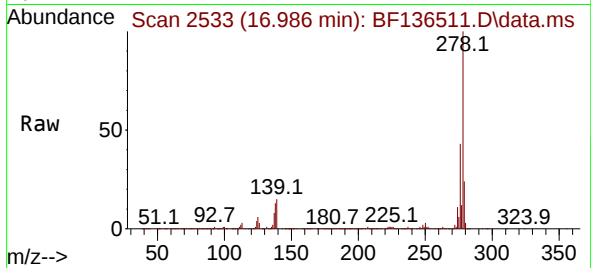




#91
Dibenzo(a,h)anthracene
Concen: 47.716 ng
RT: 16.986 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Instrument :
BNA_F
ClientSampleId :
PB157455BS

Tgt Ion:278 Resp: 712646
Ion Ratio Lower Upper
278 100
139 15.2 12.2 18.4
279 23.6 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 46.153 ng
RT: 17.427 min Scan# 2608
Delta R.T. 0.006 min
Lab File: BF136511.D
Acq: 12 Dec 2023 12:26

Tgt Ion:276 Resp: 707499
Ion Ratio Lower Upper
276 100
277 23.5 18.7 28.1
138 21.1 16.6 25.0

