

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101123\
 Data File : BF135719.D
 Acq On : 11 Oct 2023 18:14
 Operator : CG\JU
 Sample : 04812-02MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223MSD

Quant Time: Oct 12 00:49:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	94043	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	371121	20.000	ng	0.00
39) Acenaphthene-d10	9.781	164	191204	20.000	ng	0.00
64) Phenanthrene-d10	11.275	188	366812	20.000	ng	0.00
76) Chrysene-d12	13.939	240	165878	20.000	ng	# 0.00
86) Perylene-d12	15.404	264	203926	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	818128	141.493	ng	0.03
7) Phenol-d6	6.398	99	963716	131.077	ng	0.00
23) Nitrobenzene-d5	7.310	82	648120	94.880	ng	0.00
42) 2,4,6-Tribromophenol	10.580	330	272530	143.429	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1242681	98.055	ng	0.00
79) Terphenyl-d14	12.869	244	1088631	101.737	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.640	88	142380	56.171	ng	# 82
3) Pyridine	3.387	79	266814	39.111	ng	97
4) n-Nitrosodimethylamine	3.304	42	216994	59.941	ng	94
6) Aniline	6.416	93	144907	15.030	ng	# 1
8) 2-Chlorophenol	6.540	128	370269	59.987	ng	95
9) Benzaldehyde	6.304	77	138114	32.975	ng	98
10) Phenol	6.416	94	390942	48.491	ng	99
11) bis(2-Chloroethyl)ether	6.487	93	383899	63.481	ng	98
12) 1,3-Dichlorobenzene	6.681	146	335177	53.432	ng	99
13) 1,4-Dichlorobenzene	6.757	146	340913	53.417	ng	100
14) 1,2-Dichlorobenzene	6.910	146	308997	52.135	ng	98
15) Benzyl Alcohol	6.898	79	277942	52.681	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.016	45	591683	51.907	ng	# 40
17) 2-Methylphenol	7.016	107	275993	50.669	ng	# 86
18) Hexachloroethane	7.240	117	123729	52.469	ng	93
19) n-Nitroso-di-n-propyla...	7.163	70	239259	52.538	ng	96
20) 3+4-Methylphenols	7.175	107	350462	53.508	ng	# 63
22) Acetophenone	7.157	105	474972	55.979	ng	# 89
24) Nitrobenzene	7.334	77	365772	54.175	ng	97
25) Isophorone	7.569	82	678338	54.079	ng	99
26) 2-Nitrophenol	7.645	139	187784	57.950	ng	97
27) 2,4-Dimethylphenol	7.687	122	272432	50.017	ng	99
28) bis(2-Chloroethoxy)met...	7.775	93	428179	57.033	ng	100
29) 2,4-Dichlorophenol	7.892	162	299450	59.331	ng	97
30) 1,2,4-Trichlorobenzene	7.963	180	299783	56.827	ng	98
31) Naphthalene	8.039	128	1016112	56.352	ng	99
32) Benzoic acid	7.839	122	124138	30.267	ng	94
33) 4-Chloroaniline	8.116	127	51527	6.513	ng	97
34) Hexachlorobutadiene	8.151	225	186472	58.622	ng	97
35) Caprolactam	8.486	113	59161	34.926	ng	96
36) 4-Chloro-3-methylphenol	8.604	107	339484	60.520	ng	98
37) 2-Methylnaphthalene	8.734	142	658185	54.302	ng	99
38) 1-Methylnaphthalene	8.834	142	633149	55.794	ng	97
40) 1,2,4,5-Tetrachloroben...	8.904	216	325772	58.811	ng	100
41) Hexachlorocyclopentadiene	8.881	237	133067	56.870	ng	99
43) 2,4,6-Trichlorophenol	9.022	196	211420	58.293	ng	98

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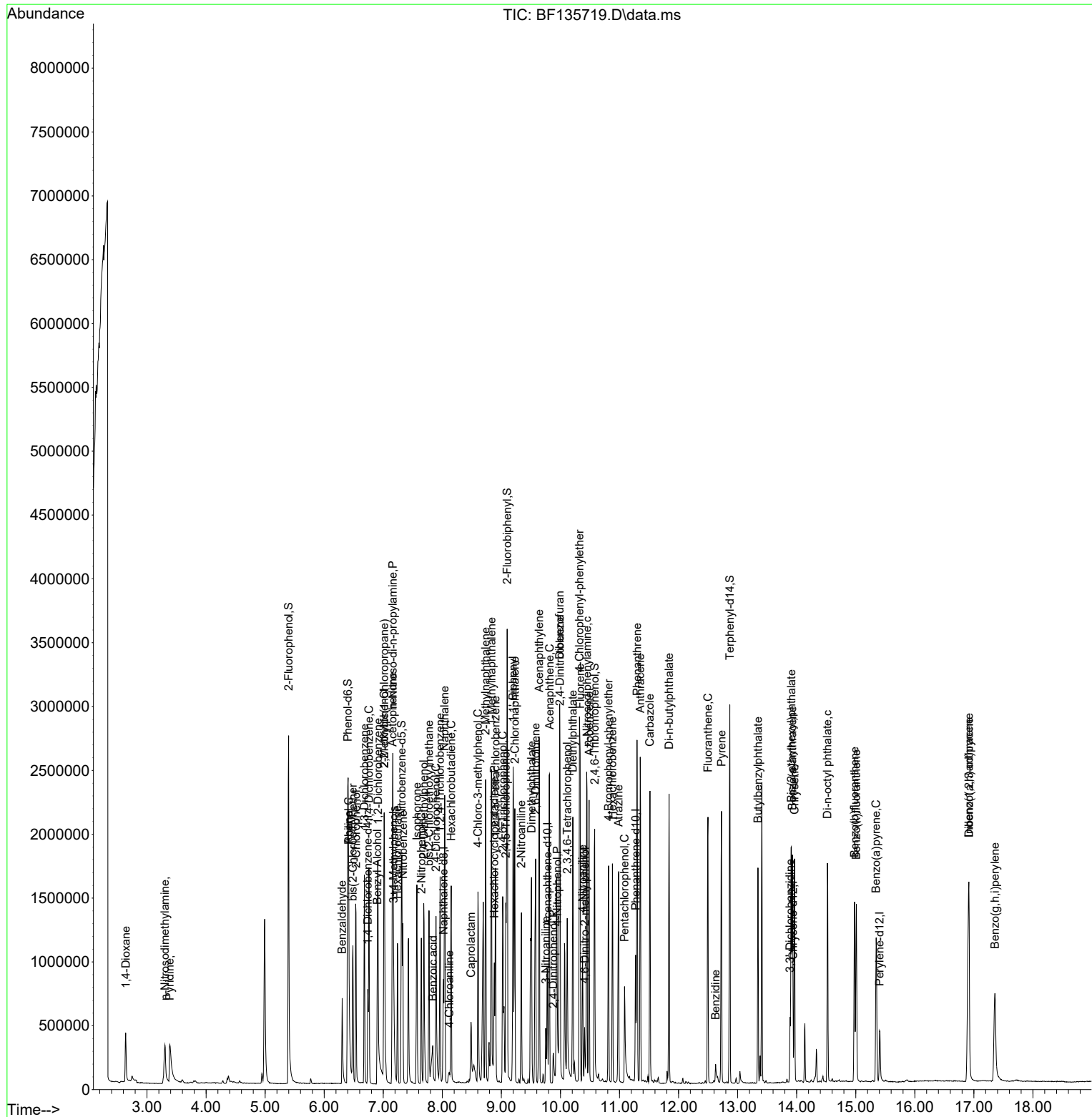
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.075	196	219788	52.622	ng	99
46) 1,1'-Biphenyl	9.198	154	848693	57.759	ng	98
47) 2-Chloronaphthalene	9.228	162	624256	58.554	ng	99
48) 2-Nitroaniline	9.339	65	230082	55.551	ng	97
49) Acenaphthylene	9.639	152	990233	55.888	ng	99
50) Dimethylphthalate	9.510	163	722413	55.883	ng	99
51) 2,6-Dinitrotoluene	9.581	165	156883	55.397	ng	98
52) Acenaphthene	9.816	154	613917	58.653	ng	99
53) 3-Nitroaniline	9.751	138	68334	20.556	ng	97
54) 2,4-Dinitrophenol	9.881	184	44747	31.907	ng	99
55) Dibenzofuran	9.986	168	901205	56.423	ng	97
56) 4-Nitrophenol	9.945	139	135124	63.957	ng	95
57) 2,4-Dinitrotoluene	9.992	165	206651	58.288	ng	# 90
58) Fluorene	10.333	166	711710	57.962	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.116	232	187192	58.263	ng	98
60) Diethylphthalate	10.210	149	775792	59.797	ng	98
61) 4-Chlorophenyl-phenyle...	10.322	204	334763	56.755	ng	98
62) 4-Nitroaniline	10.375	138	157849	49.399	ng	99
63) Azobenzene	10.486	77	751689	59.201	ng	98
65) 4,6-Dinitro-2-methylph...	10.410	198	57143	29.330	ng	94
66) n-Nitrosodiphenylamine	10.451	169	661019	59.524	ng	100
67) 4-Bromophenyl-phenylether	10.816	248	214986	58.929	ng	97
68) Hexachlorobenzene	10.880	284	228400	61.452	ng	# 88
69) Atrazine	10.986	200	209689	70.175	ng	99
70) Pentachlorophenol	11.086	266	131750	59.248	ng	98
71) Phenanthrene	11.298	178	1009005	58.161	ng	99
72) Anthracene	11.351	178	1025771	57.522	ng	99
73) Carbazole	11.516	167	905164	55.760	ng	99
74) Di-n-butylphthalate	11.839	149	1088208	56.889	ng	99
75) Fluoranthene	12.498	202	903220	49.965	ng	98
77) Benzidine	12.627	184	71018	20.898	ng	99
78) Pyrene	12.727	202	894977	56.670	ng	100
80) Butylbenzylphthalate	13.345	149	367400	66.074	ng	97
81) Benzo(a)anthracene	13.927	228	658893	61.514	ng	99
82) 3,3'-Dichlorobenzidine	13.886	252	106166	31.732	ng	# 97
83) Chrysene	13.963	228	609211	57.206	ng	100
84) Bis(2-ethylhexyl)phtha...	13.910	149	497437	87.179	ng	99
85) Di-n-octyl phthalate	14.521	149	817889	90.197	ng	100
87) Indeno(1,2,3-cd)pyrene	16.915	276	820712	61.381	ng	99
88) Benzo(b)fluoranthene	14.980	252	646982	58.607	ng	99
89) Benzo(k)fluoranthene	15.010	252	617484	56.625	ng	99
90) Benzo(a)pyrene	15.345	252	581735	55.259	ng	99
91) Dibenzo(a,h)anthracene	16.915	278	670086	61.250	ng	98
92) Benzo(g,h,i)perylene	17.357	276	688592	60.268	ng	98

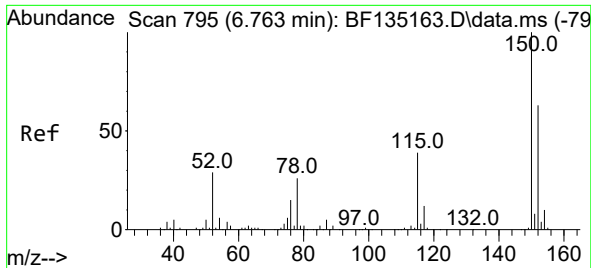
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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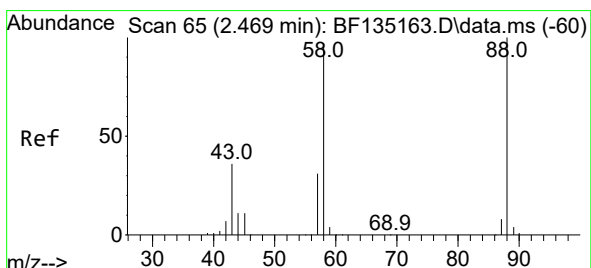
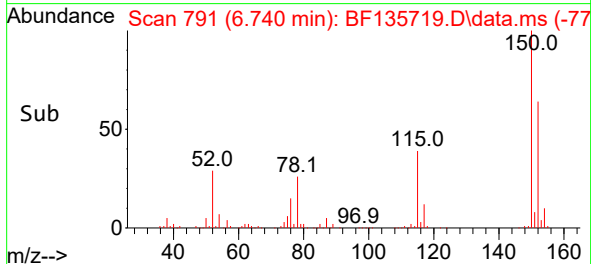
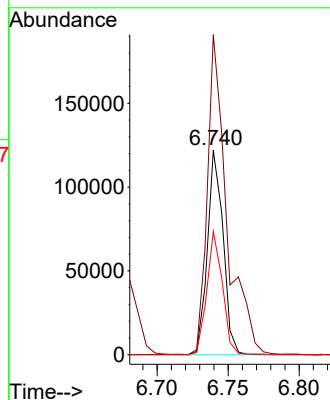
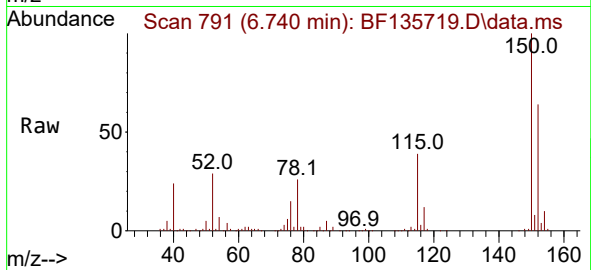




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 79
Delta R.T. 0.001 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

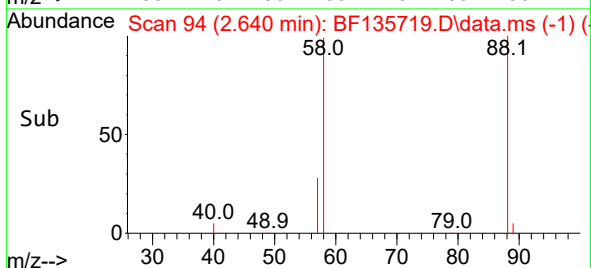
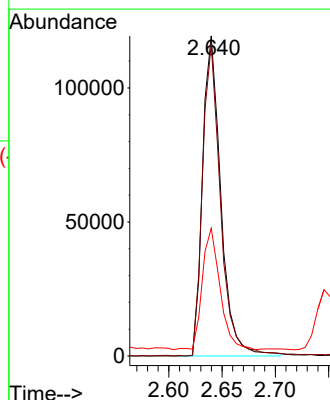
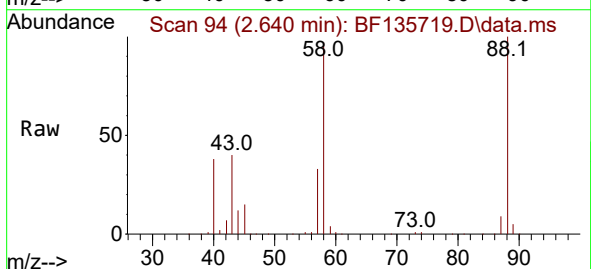
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ClientSampleId :
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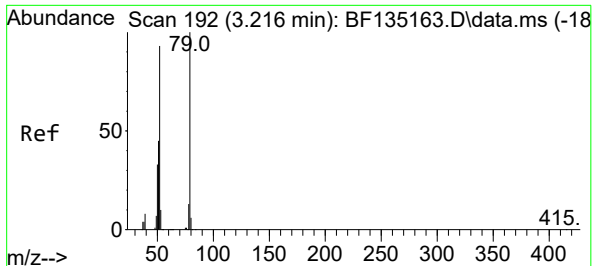
Tgt Ion:152 Resp: 94043
Ion Ratio Lower Upper
152 100
150 156.6 127.8 191.6
115 60.3 49.8 74.8



#2
1,4-Dioxane
Concen: 56.171 ng
RT: 2.640 min Scan# 94
Delta R.T. 0.212 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion: 88 Resp: 142380
Ion Ratio Lower Upper
88 100
58 96.4 78.3 117.5
43 0.0 29.4 44.0#

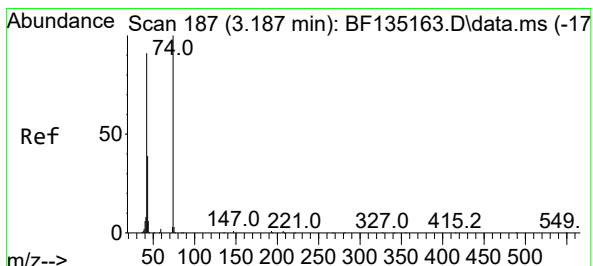
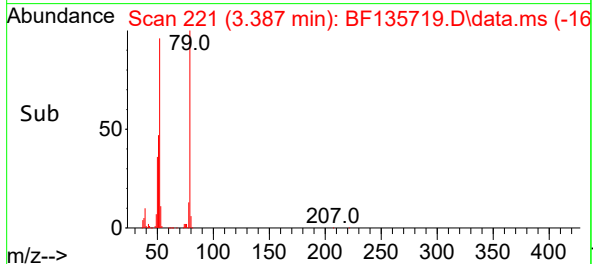
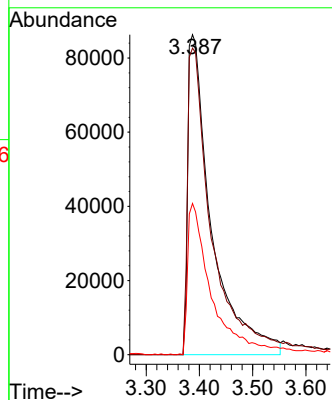
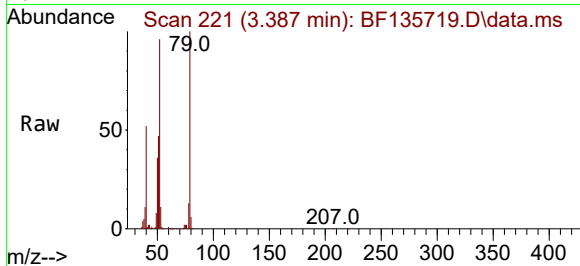




#3
Pyridine
Concen: 39.111 ng
RT: 3.387 min Scan# 21
Delta R.T. 0.212 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

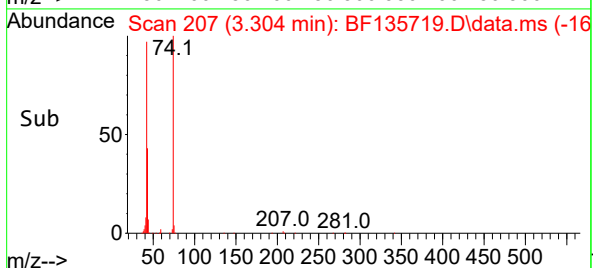
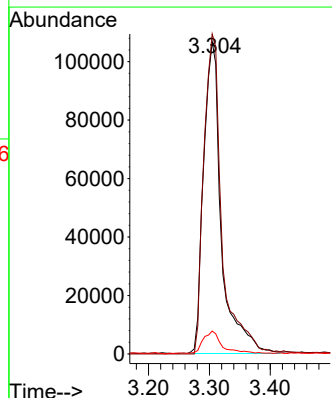
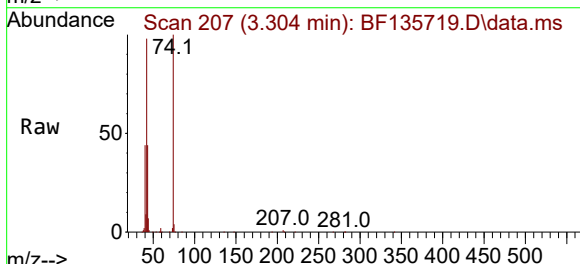
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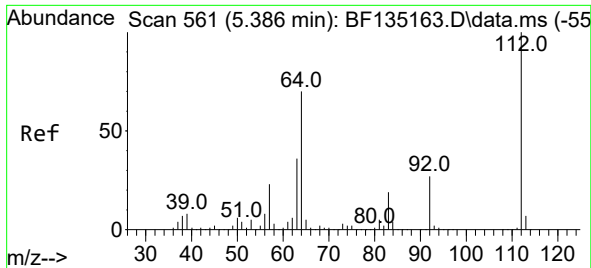
Tgt Ion: 79 Resp: 266814
Ion Ratio Lower Upper
79 100
52 95.8 74.1 111.1
51 47.2 35.8 53.8



#4
n-Nitrosodimethylamine
Concen: 59.941 ng
RT: 3.304 min Scan# 207
Delta R.T. 0.153 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion: 42 Resp: 216994
Ion Ratio Lower Upper
42 100
74 102.5 87.7 131.5
44 7.3 5.6 8.4

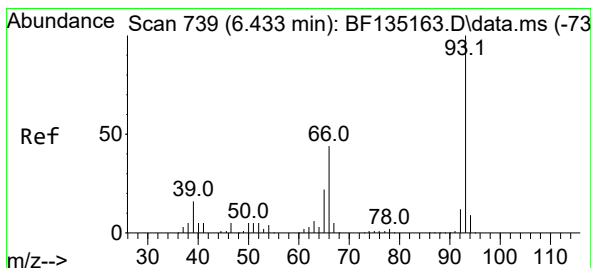
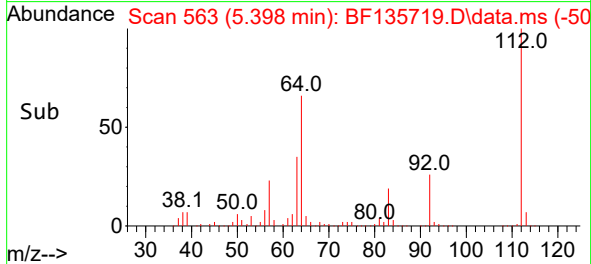
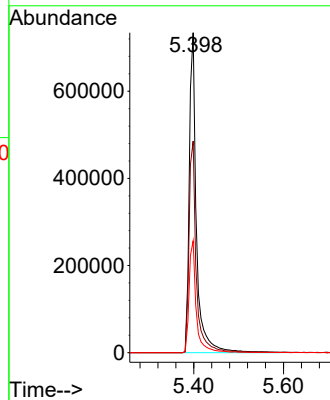
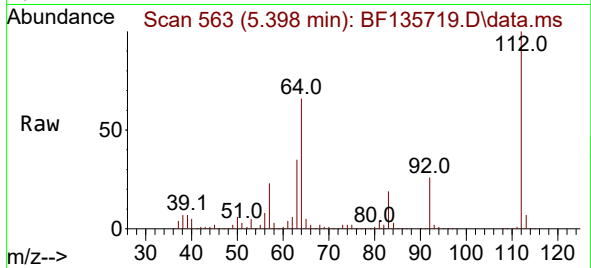




#5
2-Fluorophenol
Concen: 141.493 ng
RT: 5.398 min Scan# 50
Delta R.T. 0.029 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

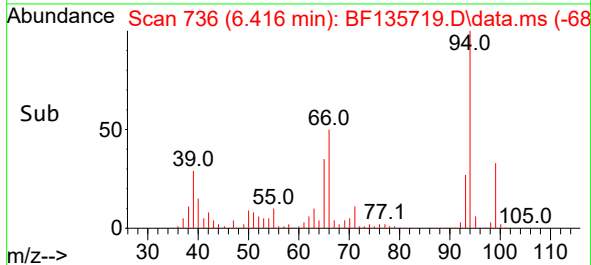
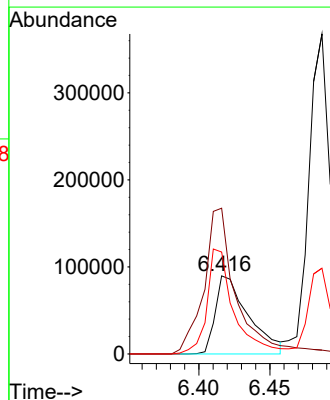
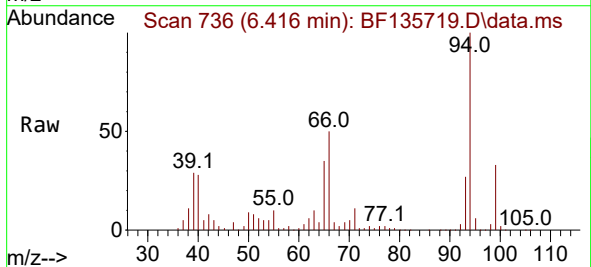
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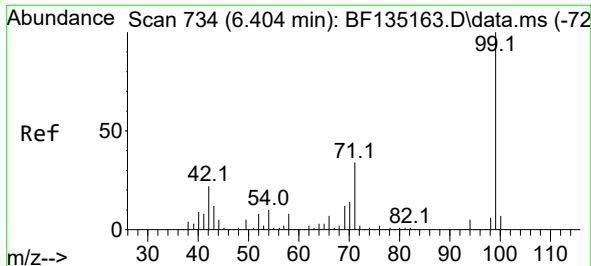
Tgt Ion:112 Resp: 818128
Ion Ratio Lower Upper
112 100
64 66.1 55.9 83.9
63 34.9 29.0 43.6



#6
Aniline
Concen: 15.030 ng
RT: 6.416 min Scan# 736
Delta R.T. 0.006 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion: 93 Resp: 144907
Ion Ratio Lower Upper
93 100
66 186.9 35.4 53.0#
65 130.6 17.8 26.8#

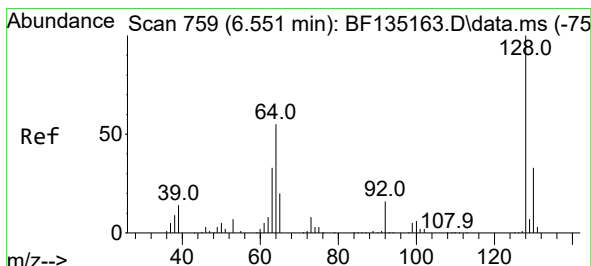
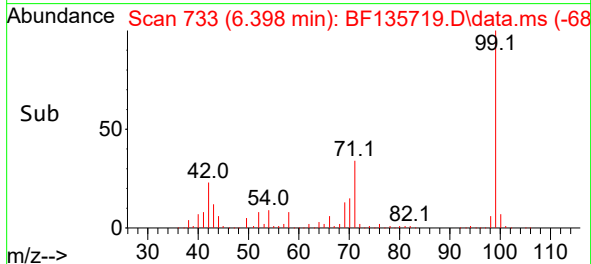
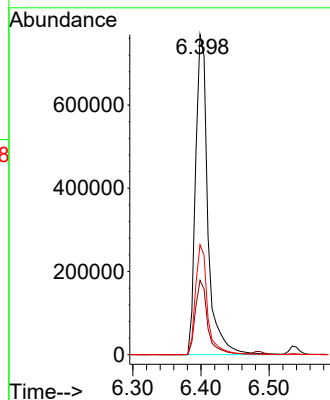
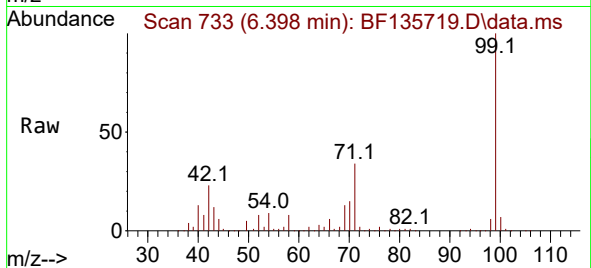




#7
Phenol-d6
Concen: 131.077 ng
RT: 6.398 min Scan# 711
Delta R.T. 0.006 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

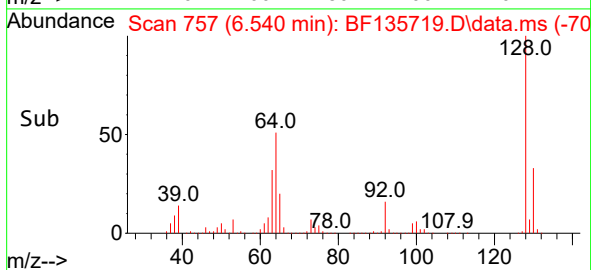
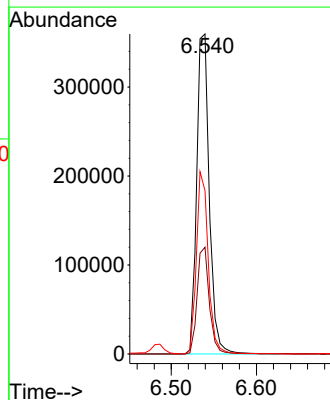
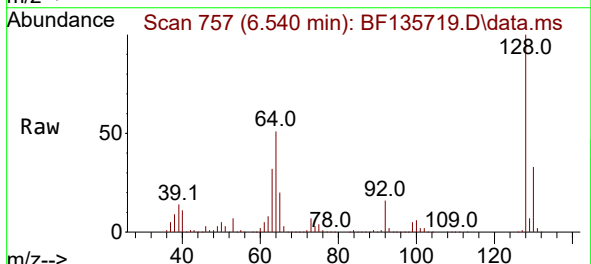
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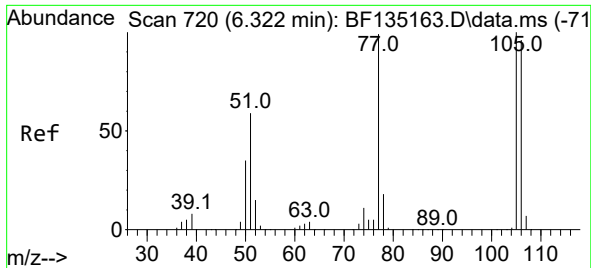
Tgt Ion: 99 Resp: 963716
Ion Ratio Lower Upper
99 100
42 23.3 17.9 26.9
71 34.3 27.0 40.6



#8
2-Chlorophenol
Concen: 59.987 ng
RT: 6.540 min Scan# 757
Delta R.T. 0.006 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:128 Resp: 370269
Ion Ratio Lower Upper
128 100
130 33.4 12.7 52.7
64 51.0 35.9 75.9





#9

Benzaldehyde

Concen: 32.975 ng

RT: 6.304 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

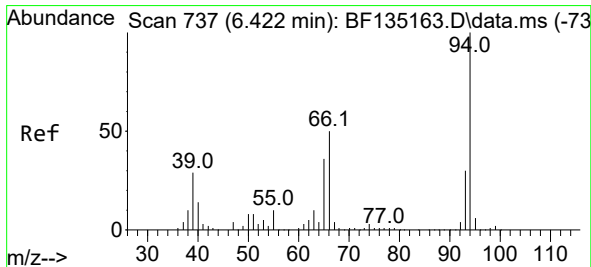
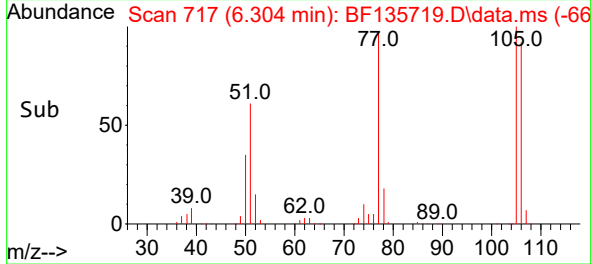
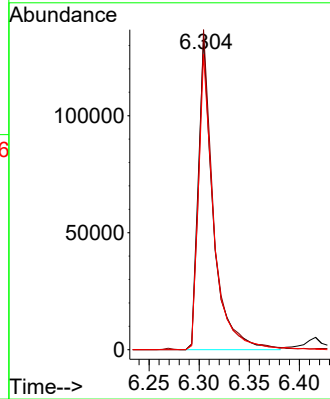
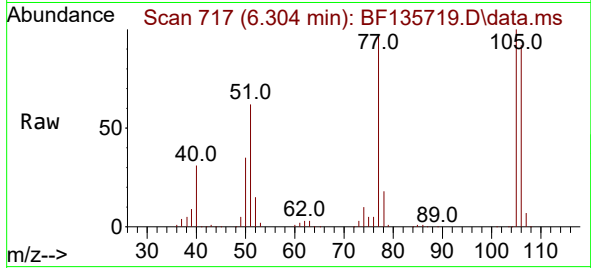
Tgt Ion: 77 Resp: 138114

Ion Ratio Lower Upper

77 100

105 102.6 81.4 121.4

106 94.6 76.9 116.9



#10

Phenol

Concen: 48.491 ng

RT: 6.416 min Scan# 736

Delta R.T. 0.012 min

Lab File: BF135719.D

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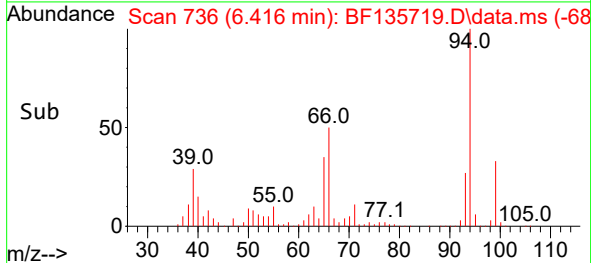
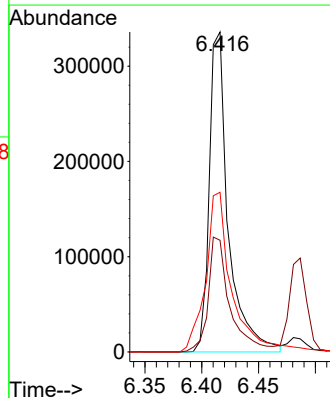
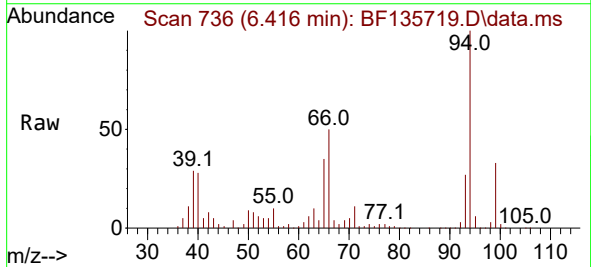
Tgt Ion: 94 Resp: 390942

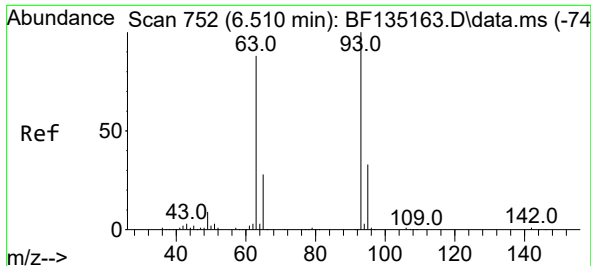
Ion Ratio Lower Upper

94 100

65 34.9 15.9 55.9

66 49.9 29.8 69.8

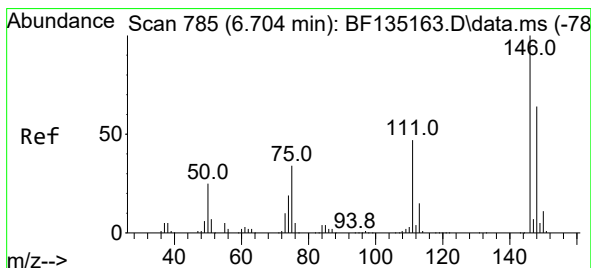
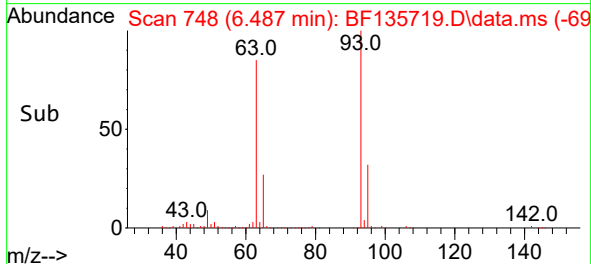
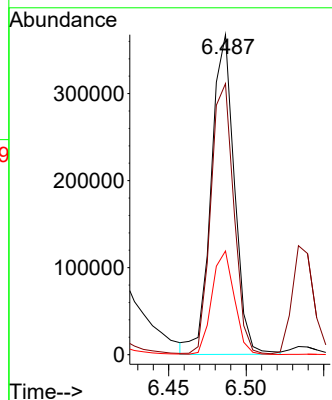
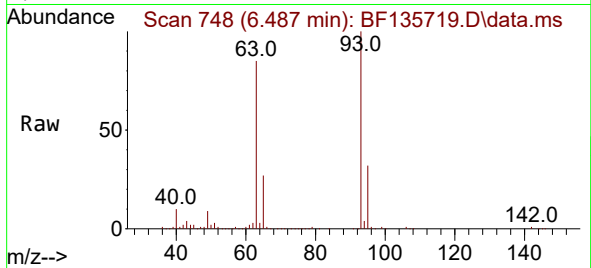




#11
bis(2-Chloroethyl)ether
Concen: 63.481 ng
RT: 6.487 min Scan# 748
Delta R.T. 0.006 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

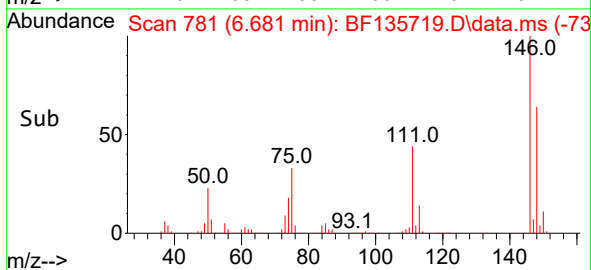
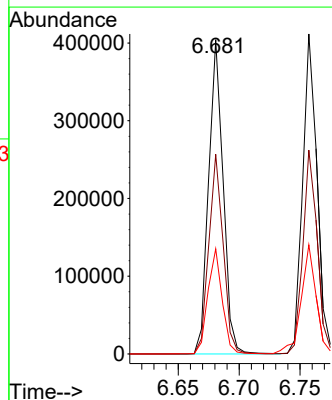
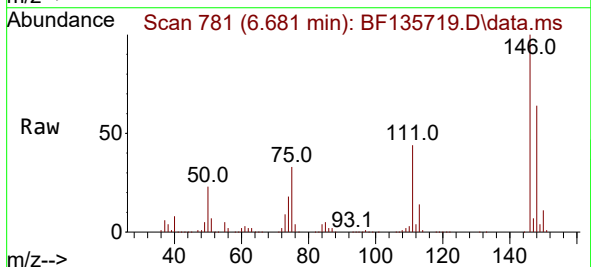
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

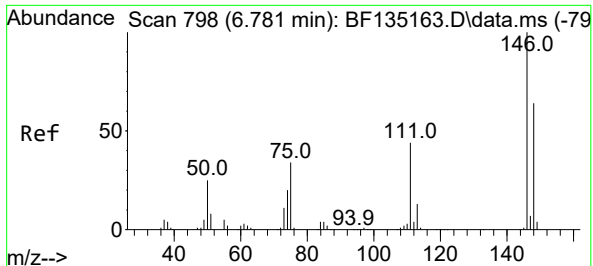
Tgt Ion: 93 Resp: 383899
Ion Ratio Lower Upper
93 100
63 84.7 67.3 107.3
95 32.4 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 53.432 ng
RT: 6.681 min Scan# 781
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:146 Resp: 335177
Ion Ratio Lower Upper
146 100
148 63.5 51.3 76.9
75 33.5 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 53.417 ng

RT: 6.757 min Scan# 79

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

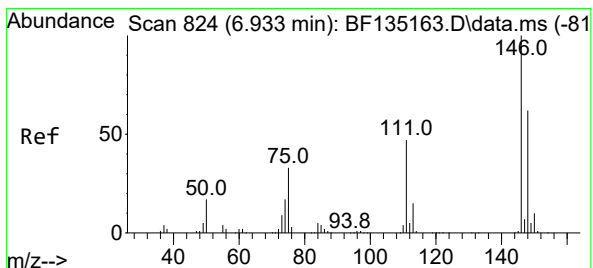
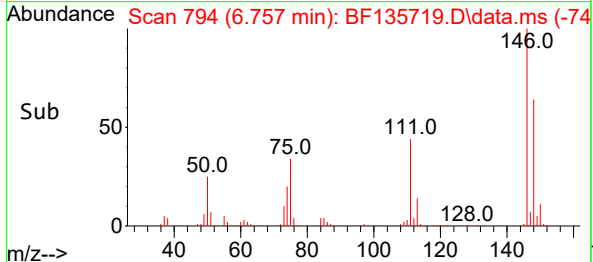
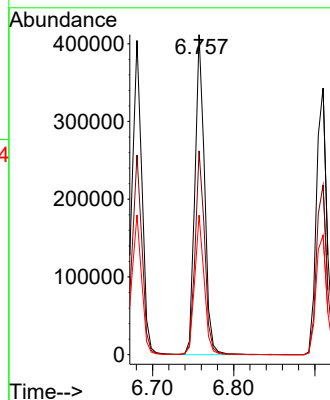
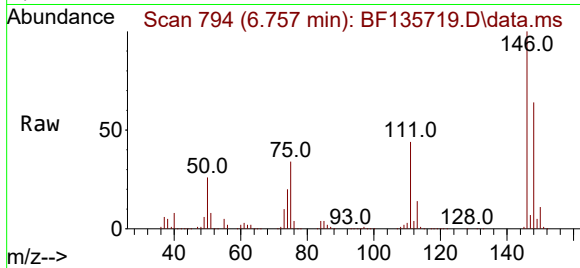
Tgt Ion:146 Resp: 340913

Ion Ratio Lower Upper

146 100

148 63.7 51.3 76.9

111 43.6 35.1 52.7



#14

1,2-Dichlorobenzene

Concen: 52.135 ng

RT: 6.910 min Scan# 820

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

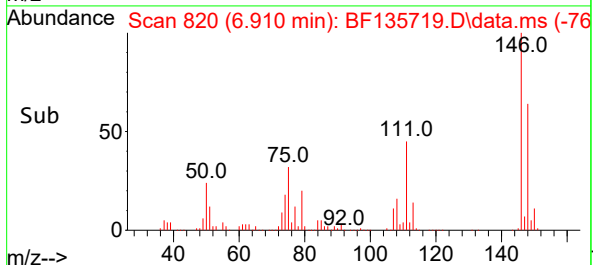
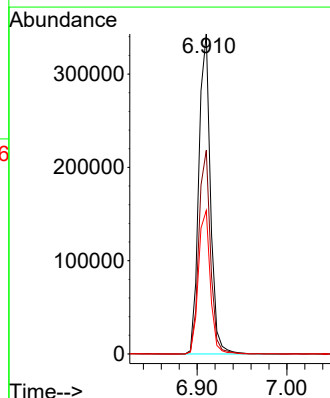
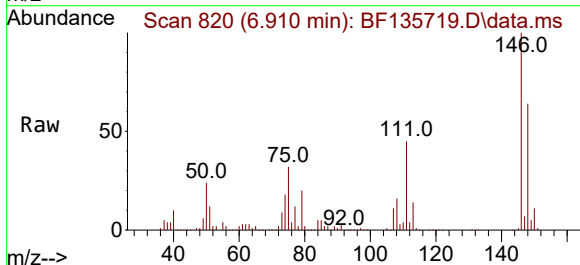
Tgt Ion:146 Resp: 308997

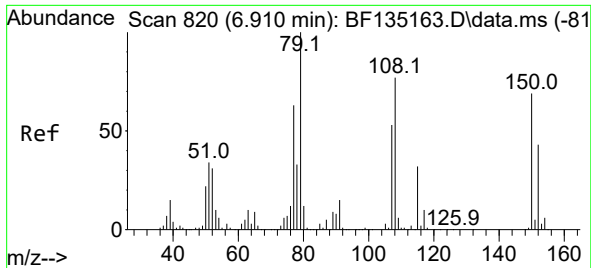
Ion Ratio Lower Upper

146 100

148 63.6 49.7 74.5

111 44.8 37.4 56.2

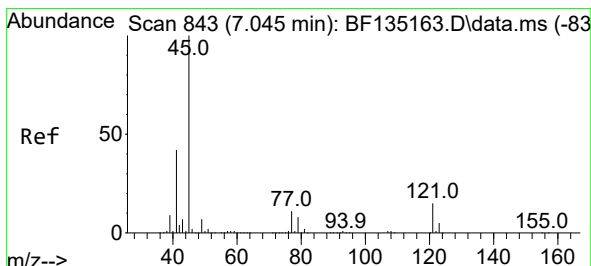
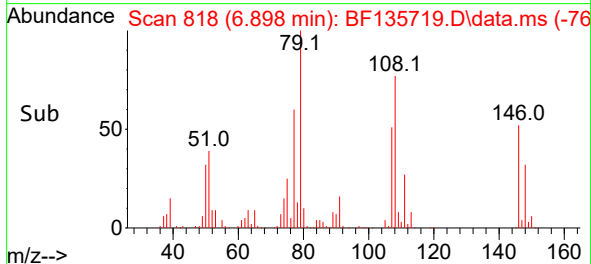
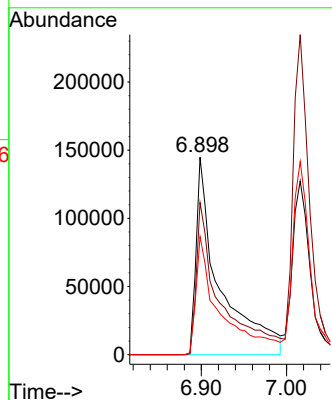
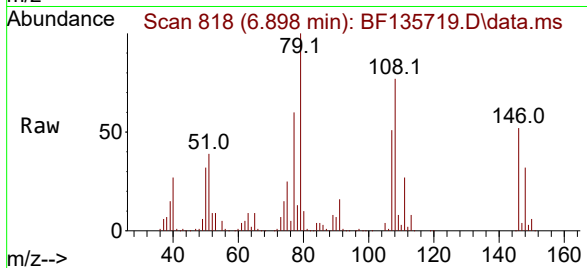




#15
Benzyl Alcohol
Concen: 52.681 ng
RT: 6.898 min Scan# 818
Delta R.T. 0.006 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

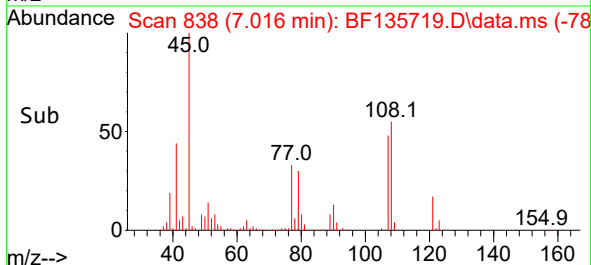
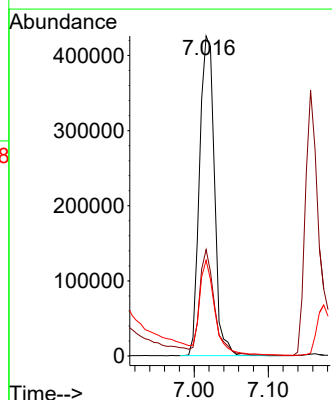
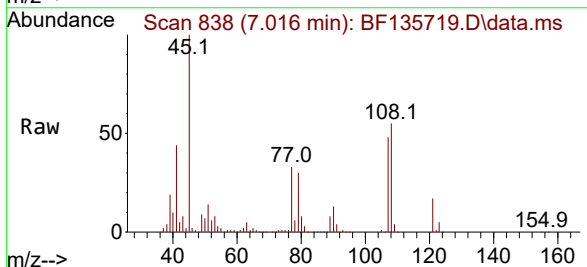
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

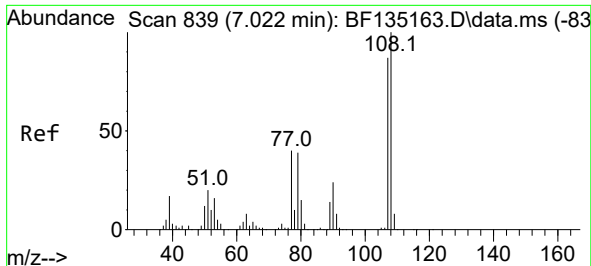
Tgt Ion: 79 Resp: 277942
Ion Ratio Lower Upper
79 100
108 77.1 61.2 91.8
77 59.8 50.5 75.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.907 ng
RT: 7.016 min Scan# 838
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion: 45 Resp: 591683
Ion Ratio Lower Upper
45 100
77 33.3 0.0 30.6#
79 29.9 0.0 28.3#





#17

2-Methylphenol

Concen: 50.669 ng

RT: 7.016 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

Tgt Ion:107 Resp: 275993

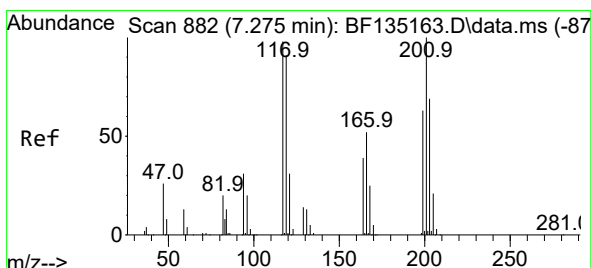
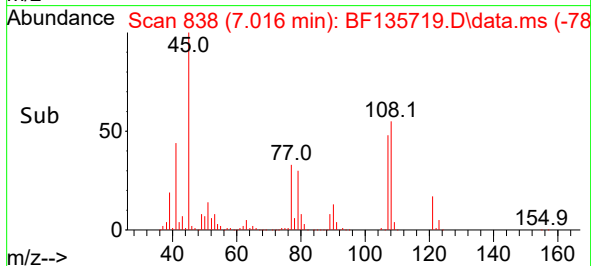
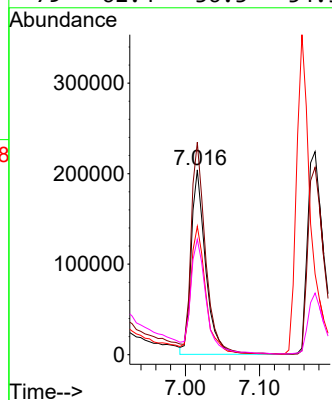
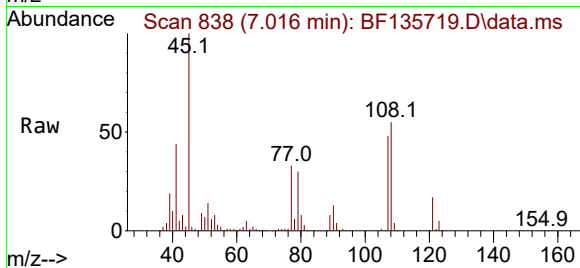
Ion Ratio Lower Upper

107 100

108 115.0 92.0 138.0

77 69.4 36.7 55.1#

79 62.4 36.3 54.5#



#18

Hexachloroethane

Concen: 52.469 ng

RT: 7.240 min Scan# 876

Delta R.T. -0.006 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

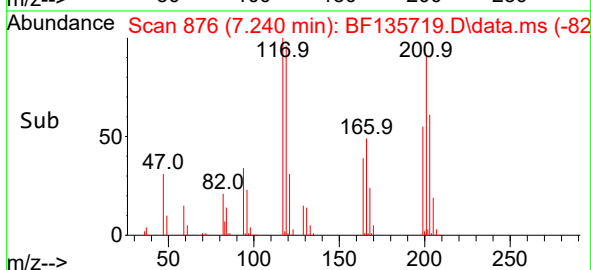
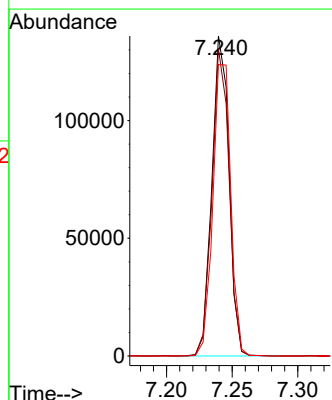
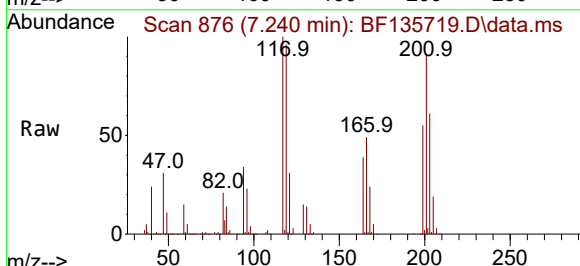
Tgt Ion:117 Resp: 123729

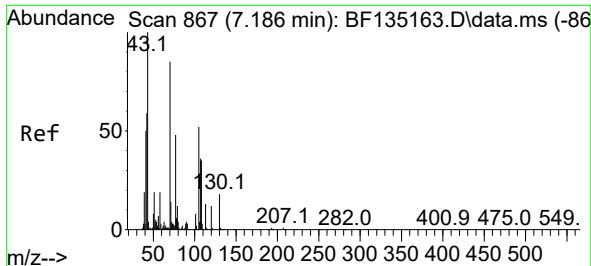
Ion Ratio Lower Upper

117 100

119 96.1 74.7 112.1

201 91.0 81.8 122.8





#19

n-Nitroso-di-n-propylamine

Concen: 52.538 ng

RT: 7.163 min Scan# 8

Delta R.T. 0.006 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

Tgt Ion: 70 Resp: 239259

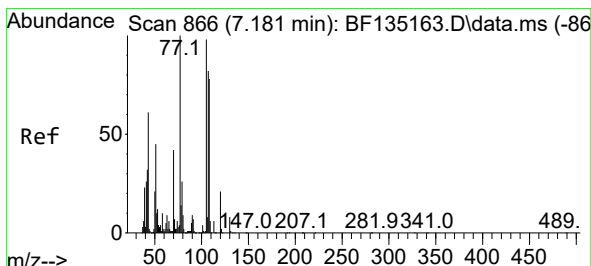
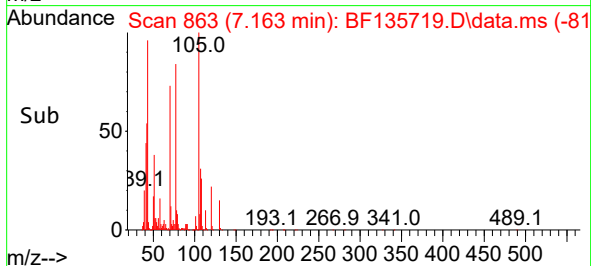
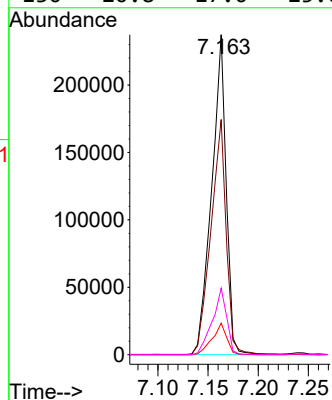
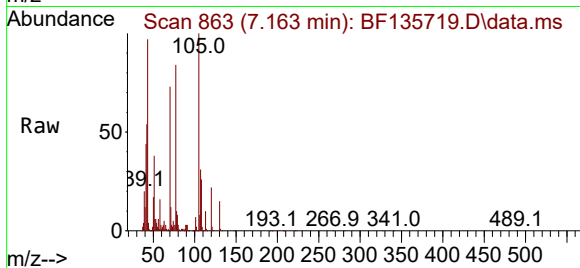
Ion Ratio Lower Upper

70 100

42 73.5 55.4 83.0

101 9.9 7.7 11.5

130 20.8 17.0 25.6



#20

3+4-Methylphenols

Concen: 53.508 ng

RT: 7.175 min Scan# 865

Delta R.T. 0.012 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Tgt Ion: 107 Resp: 350462

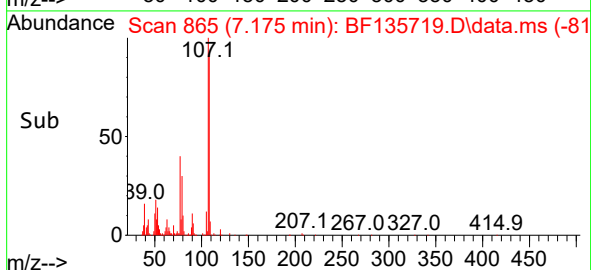
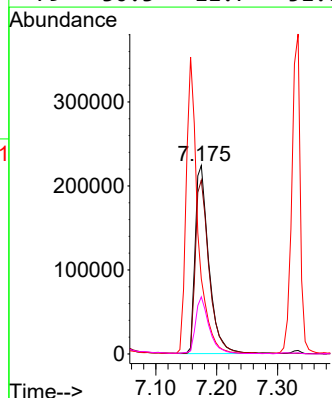
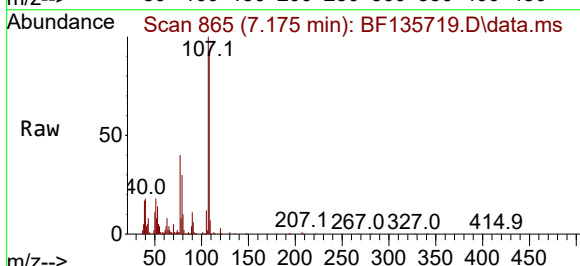
Ion Ratio Lower Upper

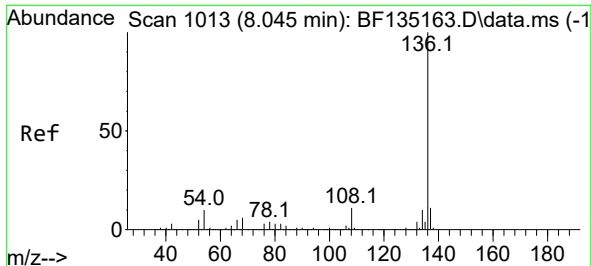
107 100

108 92.2 74.7 114.7

77 39.8 102.0 142.0#

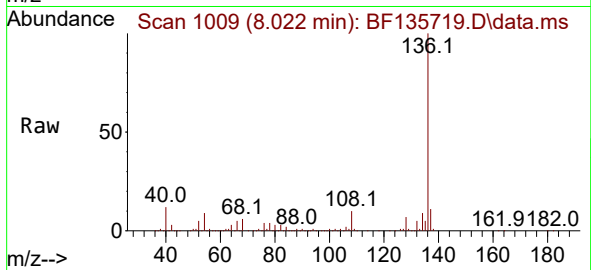
79 30.3 11.7 51.7



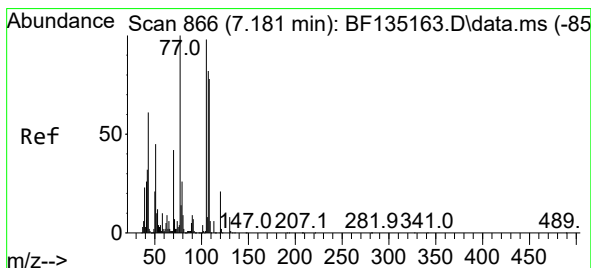
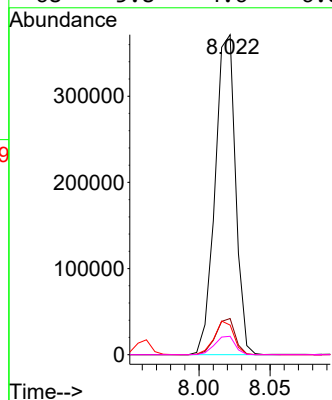
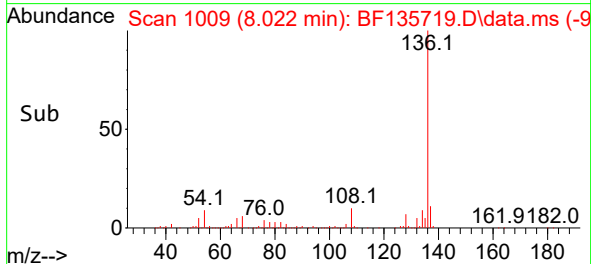


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

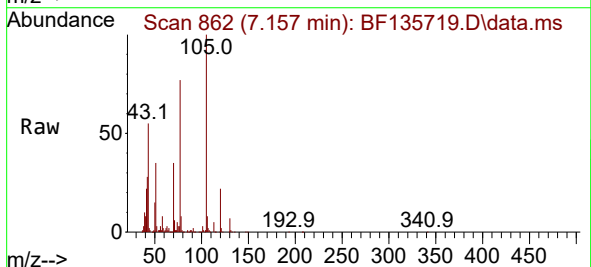
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD



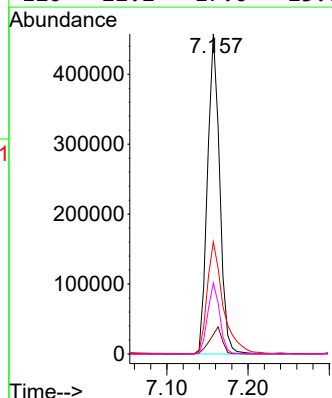
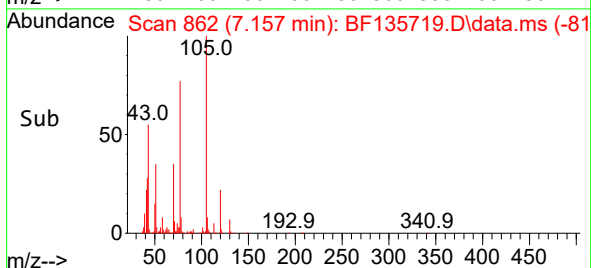
Tgt Ion:136 Resp: 371121
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 9.3 7.7 11.5
68 5.8 4.6 6.8

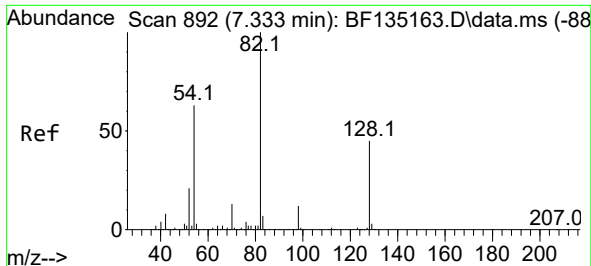


#22
Acetophenone
Concen: 55.979 ng
RT: 7.157 min Scan# 862
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14



Tgt Ion:105 Resp: 474972
Ion Ratio Lower Upper
105 100
71 6.1 5.8 8.6
51 35.1 37.0 55.4#
120 22.2 17.0 25.6





#23

Nitrobenzene-d5

Concen: 94.880 ng

RT: 7.310 min Scan# 892

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

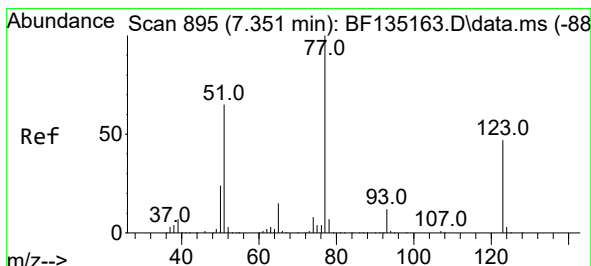
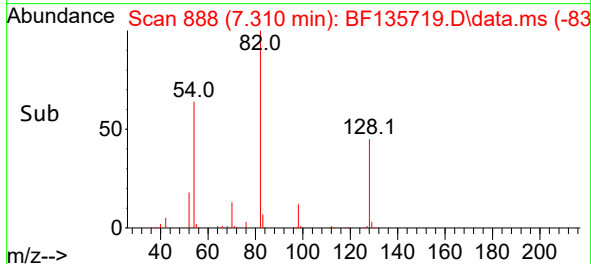
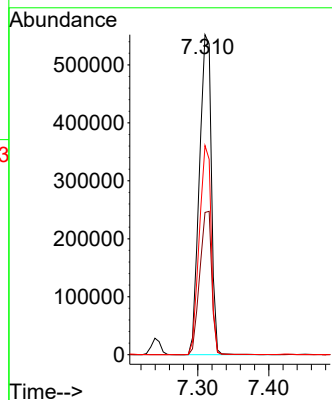
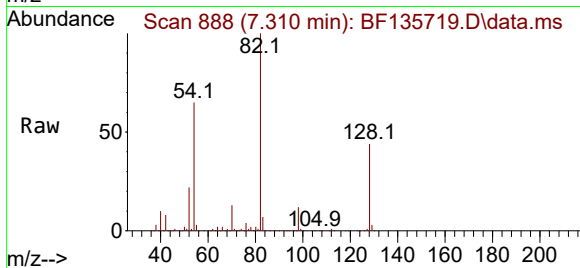
Tgt Ion: 82 Resp: 648120

Ion Ratio Lower Upper

82 100

128 44.5 35.8 53.6

54 65.3 50.6 76.0



#24

Nitrobenzene

Concen: 54.175 ng

RT: 7.334 min Scan# 892

Delta R.T. 0.006 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

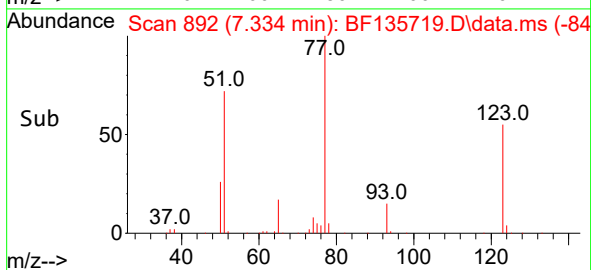
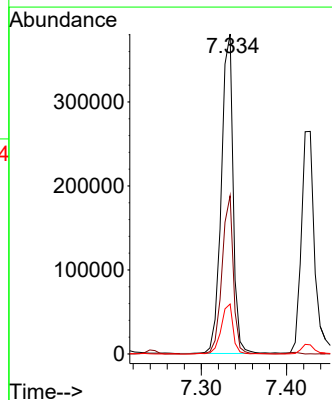
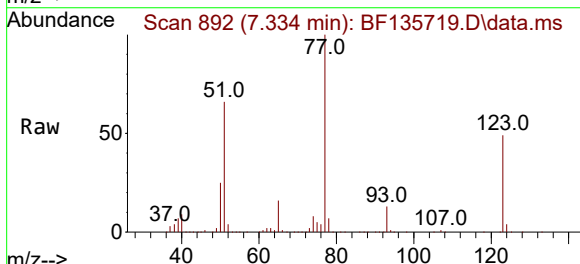
Tgt Ion: 77 Resp: 365772

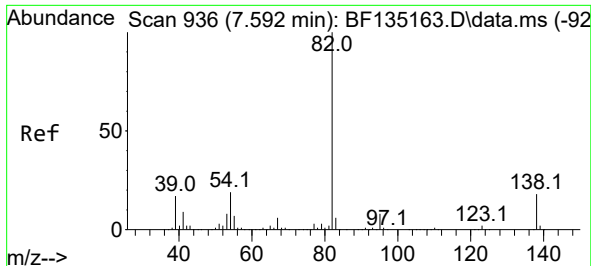
Ion Ratio Lower Upper

77 100

123 49.5 37.6 56.4

65 15.6 12.2 18.4

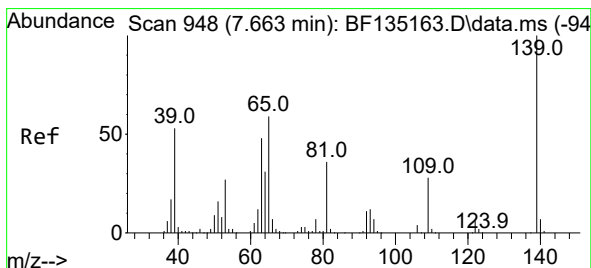
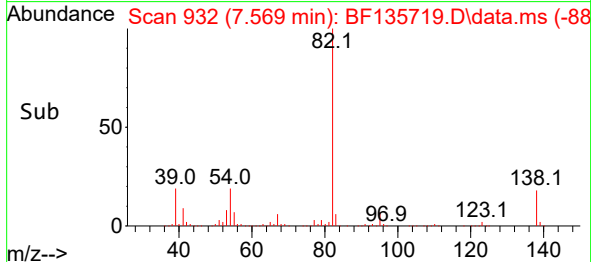
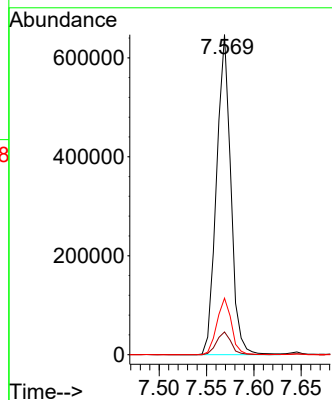
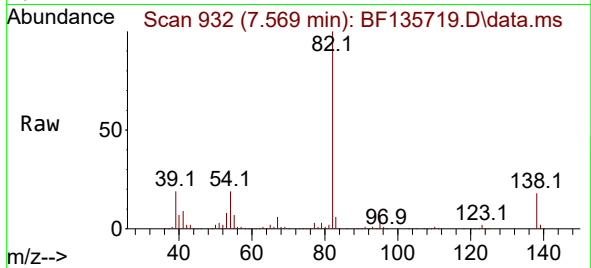




#25
Isophorone
Concen: 54.079 ng
RT: 7.569 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

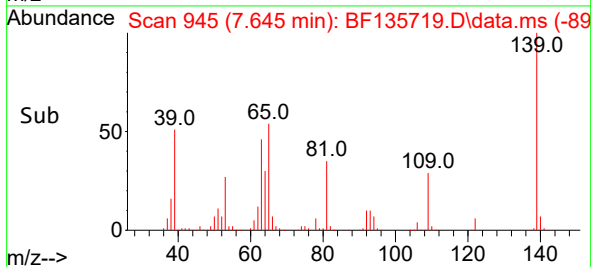
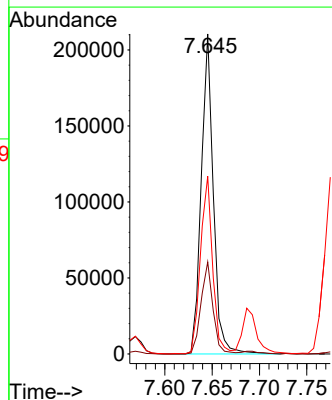
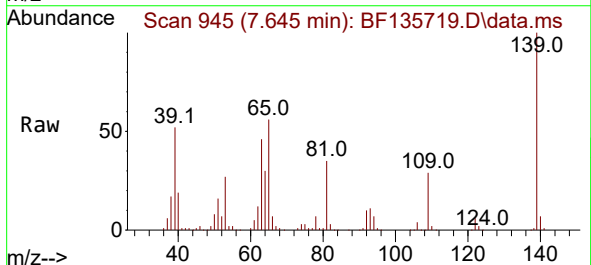
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

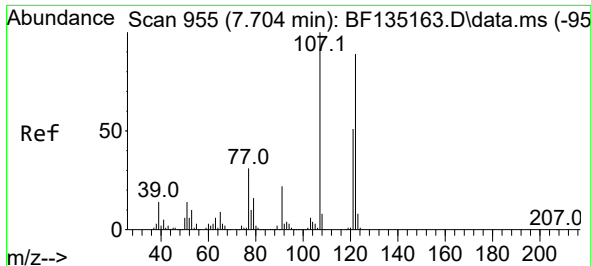
Tgt Ion: 82 Resp: 678338
Ion Ratio Lower Upper
82 100
95 7.1 6.0 9.0
138 17.7 14.5 21.7



#26
2-Nitrophenol
Concen: 57.950 ng
RT: 7.645 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:139 Resp: 187784
Ion Ratio Lower Upper
139 100
109 28.7 22.6 33.8
65 55.6 47.0 70.4





#27

2,4-Dimethylphenol

Concen: 50.017 ng

RT: 7.687 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

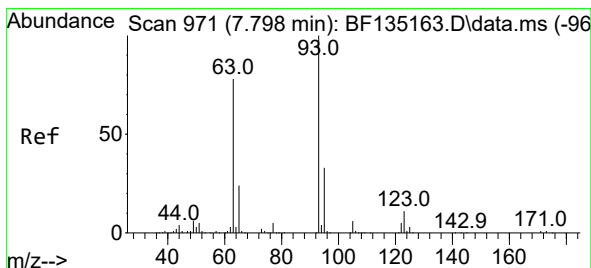
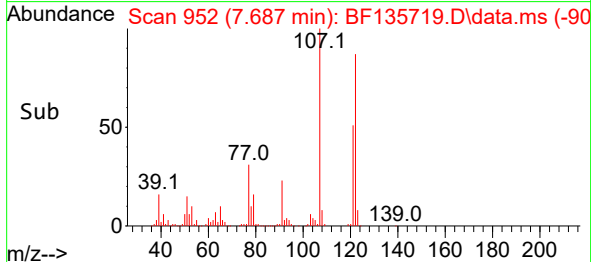
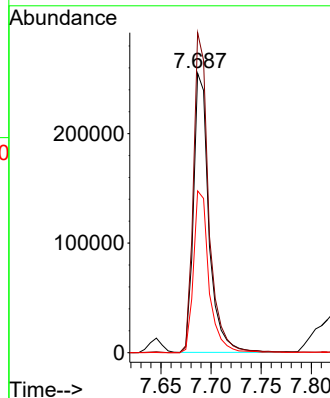
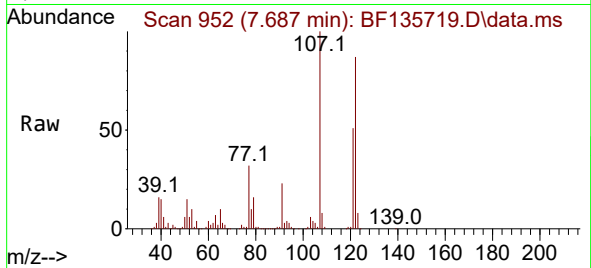
Tgt Ion:122 Resp: 272432

Ion Ratio Lower Upper

122 100

107 114.5 90.2 135.4

121 57.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 57.033 ng

RT: 7.775 min Scan# 967

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

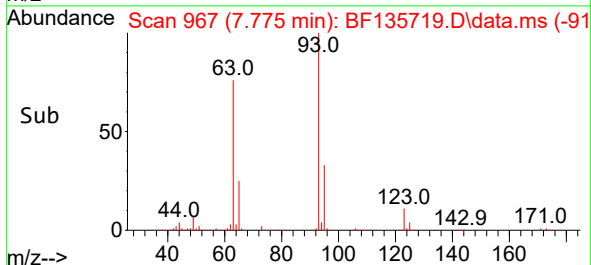
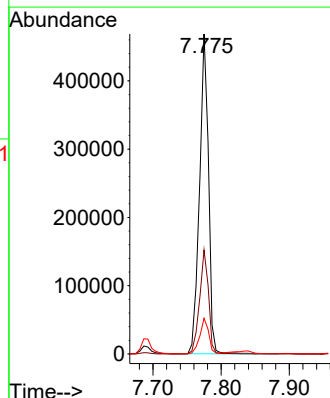
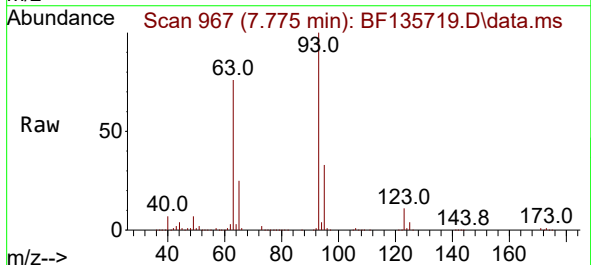
Tgt Ion: 93 Resp: 428179

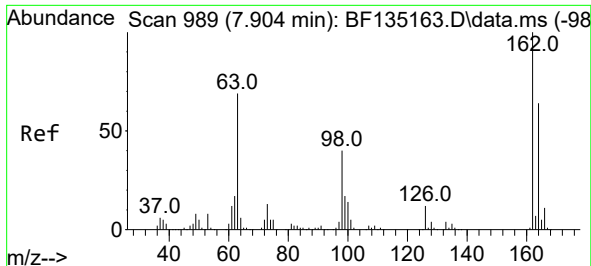
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.2

123 11.2 8.8 13.2

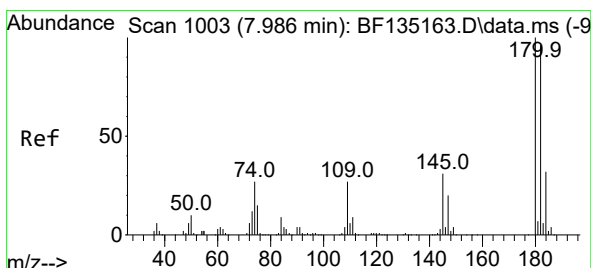
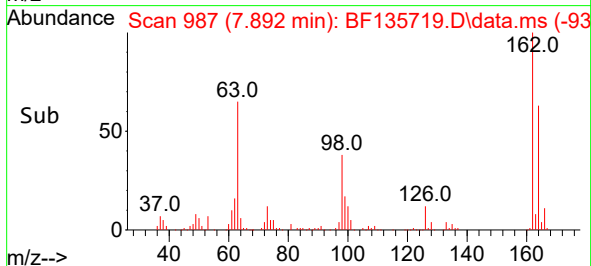
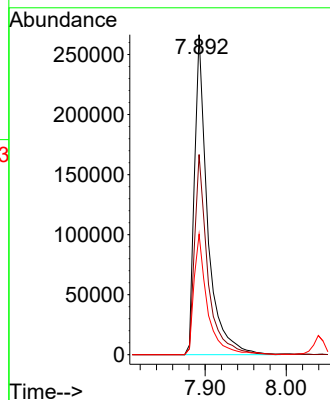
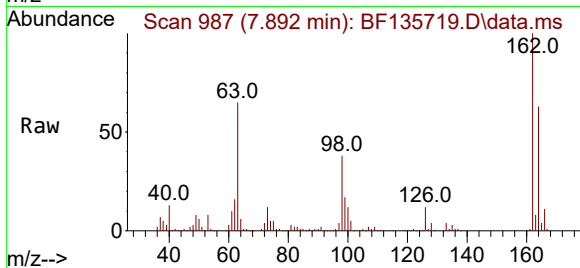




#29
2,4-Dichlorophenol
Concen: 59.331 ng
RT: 7.892 min Scan# 990
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

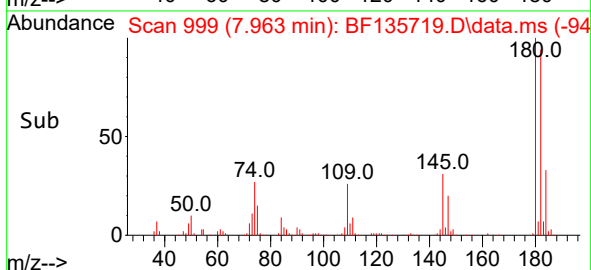
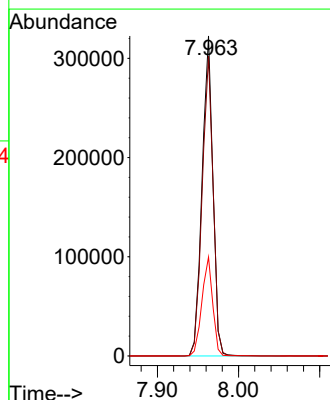
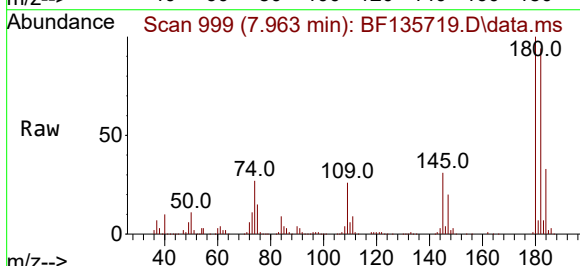
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

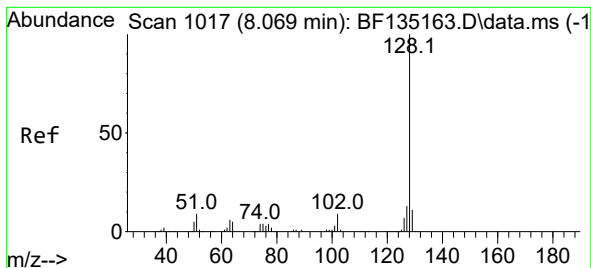
Tgt Ion:162 Resp: 299450
Ion Ratio Lower Upper
162 100
164 62.5 44.1 84.1
98 37.7 20.3 60.3



#30
1,2,4-Trichlorobenzene
Concen: 56.827 ng
RT: 7.963 min Scan# 999
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:180 Resp: 299783
Ion Ratio Lower Upper
180 100
182 93.6 76.9 115.3
145 30.9 24.5 36.7





#31

Naphthalene

Concen: 56.352 ng

RT: 8.039 min Scan# 1017

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

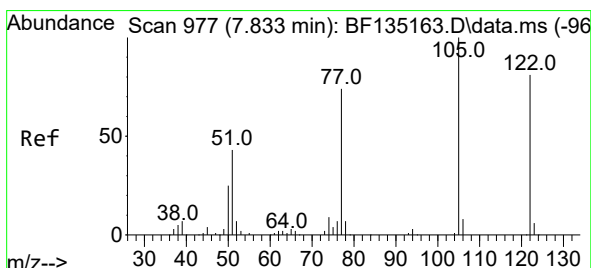
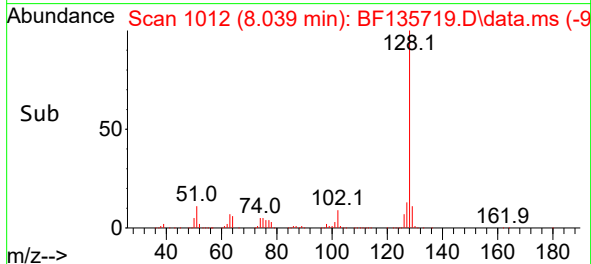
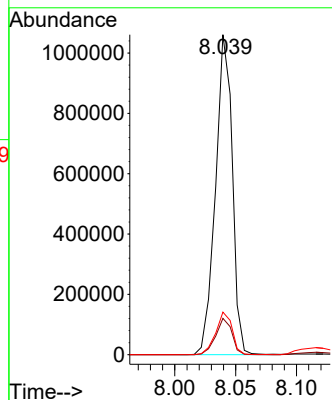
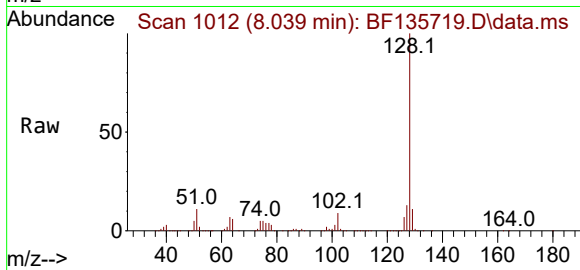
Tgt Ion:128 Resp: 1016112

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

127 13.3 10.7 16.1



#32

Benzoic acid

Concen: 30.267 ng

RT: 7.839 min Scan# 978

Delta R.T. 0.006 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

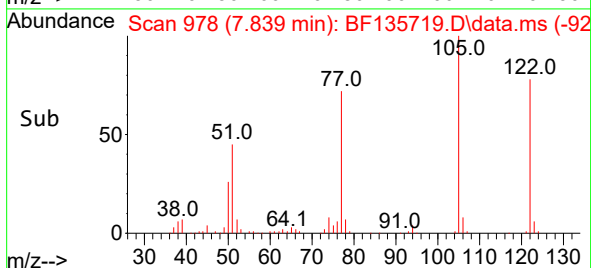
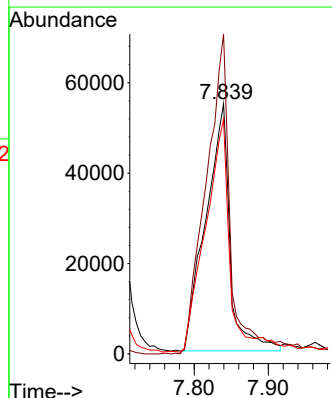
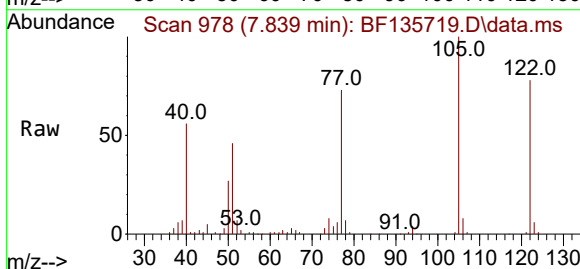
Tgt Ion:122 Resp: 124138

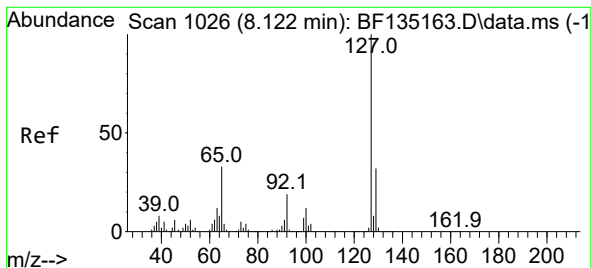
Ion Ratio Lower Upper

122 100

105 127.9 99.9 139.9

77 93.7 70.0 110.0





#33

4-Chloroaniline

Concen: 6.513 ng

RT: 8.116 min Scan# 1025

Delta R.T. 0.018 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

Tgt Ion:127 Resp: 51527

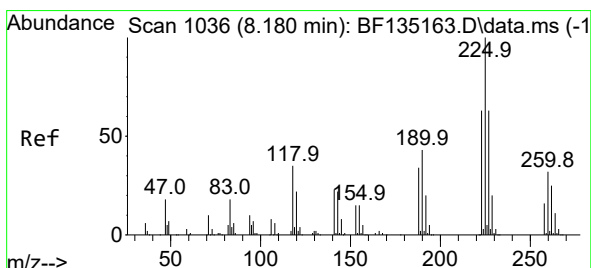
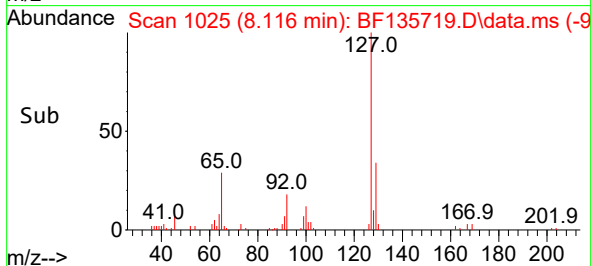
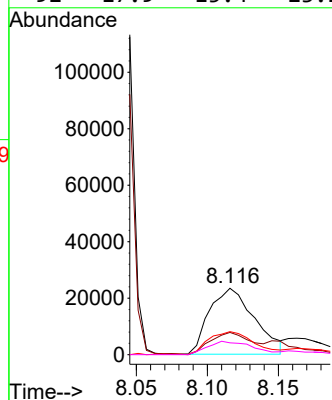
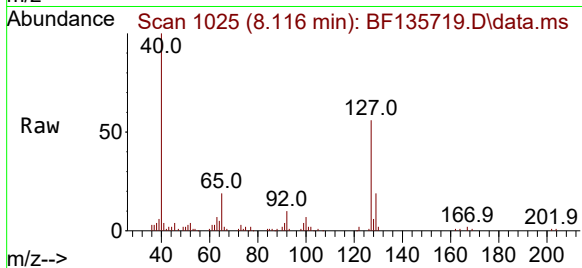
Ion Ratio Lower Upper

127 100

129 33.6 25.8 38.8

65 34.7 26.6 39.8

92 17.9 15.4 23.2



#34

Hexachlorobutadiene

Concen: 58.622 ng

RT: 8.151 min Scan# 1031

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

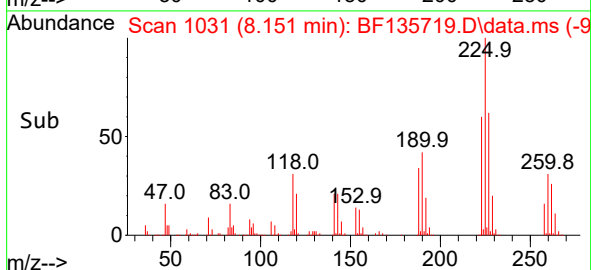
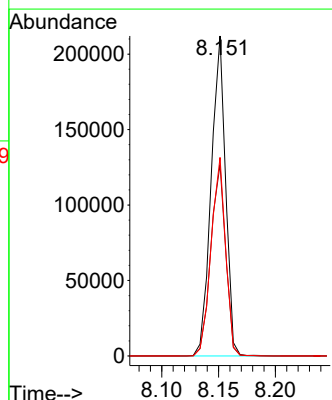
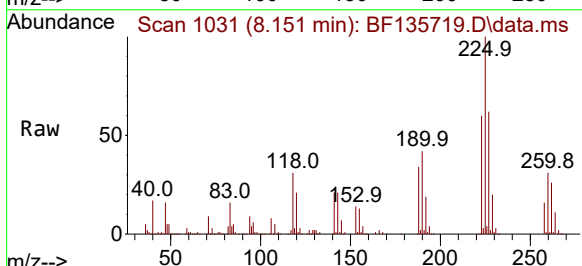
Tgt Ion:225 Resp: 186472

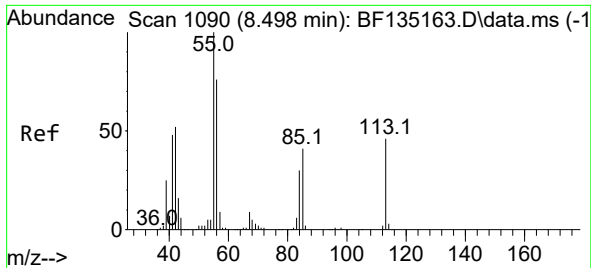
Ion Ratio Lower Upper

225 100

223 59.8 50.6 75.8

227 62.1 50.8 76.2

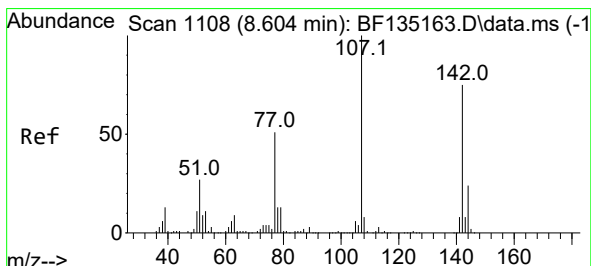
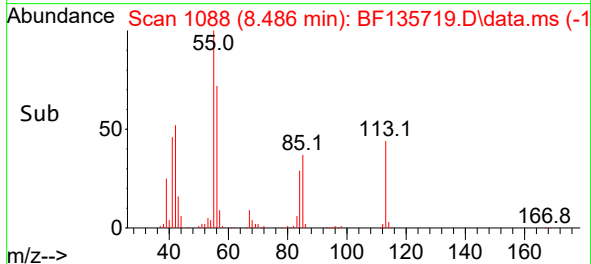
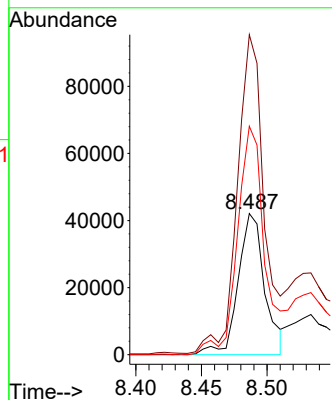
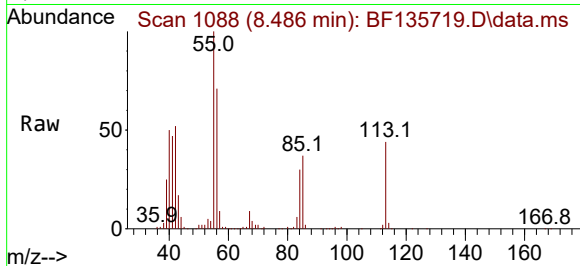




#35
 Caprolactam
 Concen: 34.926 ng
 RT: 8.486 min Scan# 1090
 Delta R.T. 0.006 min
 Lab File: BF135719.D
 Acq: 11 Oct 2023 18:14

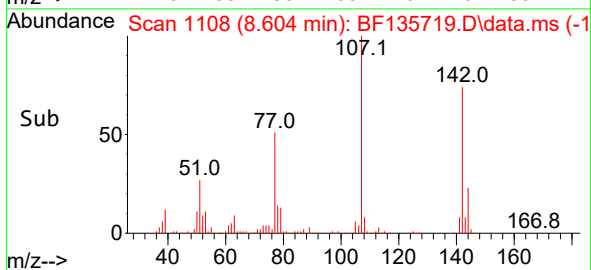
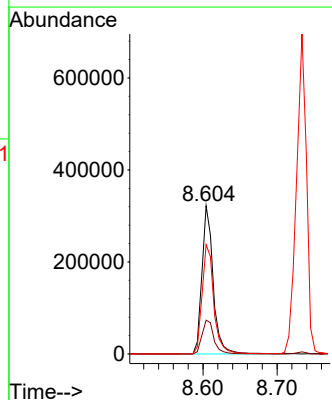
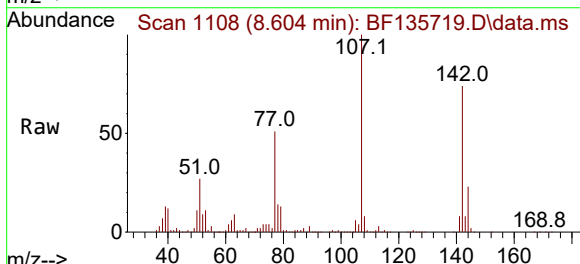
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223MSD

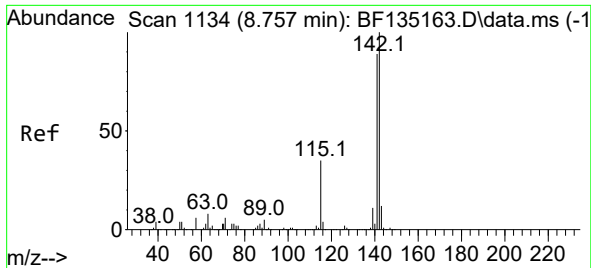
Tgt Ion:113 Resp: 59161
 Ion Ratio Lower Upper
 113 100
 55 226.7 199.3 239.3
 56 161.9 146.3 186.3



#36
 4-Chloro-3-methylphenol
 Concen: 60.520 ng
 RT: 8.604 min Scan# 1108
 Delta R.T. 0.012 min
 Lab File: BF135719.D
 Acq: 11 Oct 2023 18:14

Tgt Ion:107 Resp: 339484
 Ion Ratio Lower Upper
 107 100
 144 22.8 19.0 28.4
 142 73.8 60.2 90.2

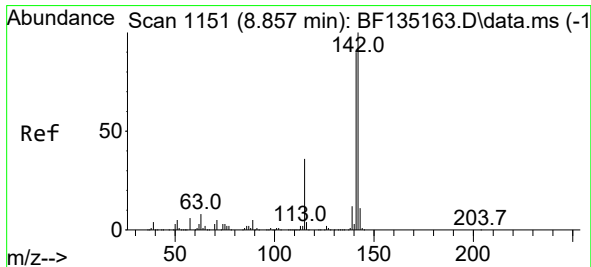
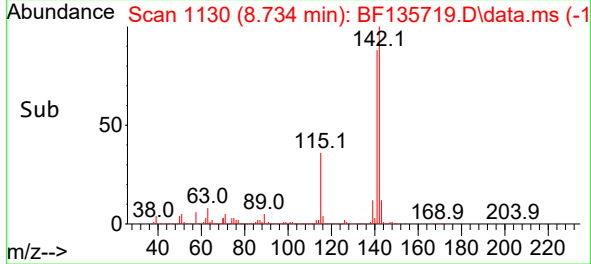
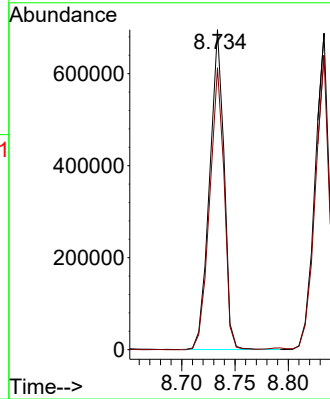
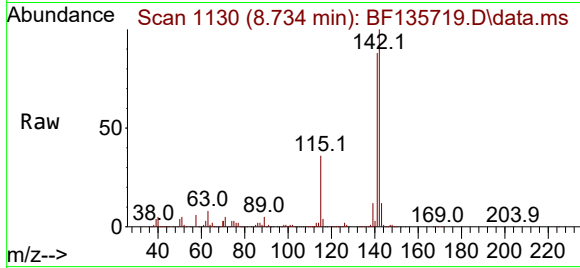




#37
2-Methylnaphthalene
Concen: 54.302 ng
RT: 8.734 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

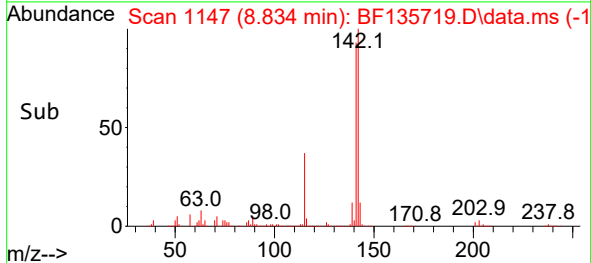
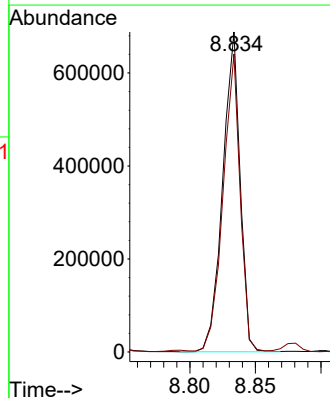
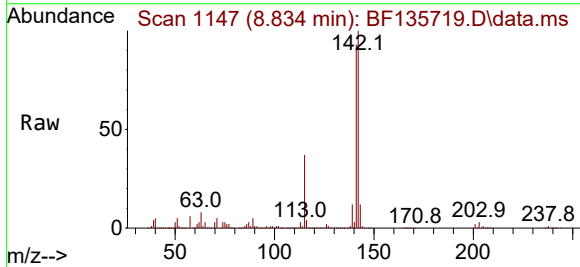
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

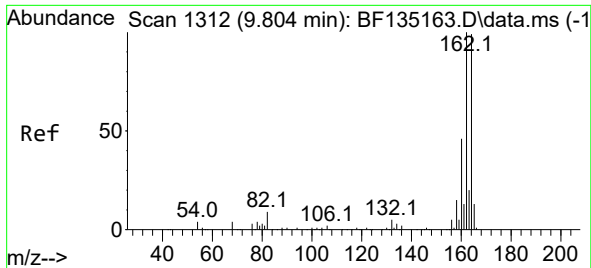
Tgt Ion:142 Resp: 658185
Ion Ratio Lower Upper
142 100
141 88.1 71.0 106.6



#38
1-Methylnaphthalene
Concen: 55.794 ng
RT: 8.834 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:142 Resp: 633149
Ion Ratio Lower Upper
142 100
141 93.1 72.4 108.6

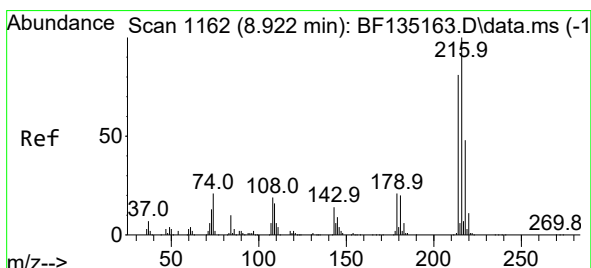
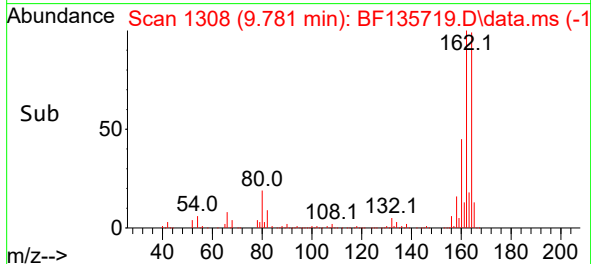
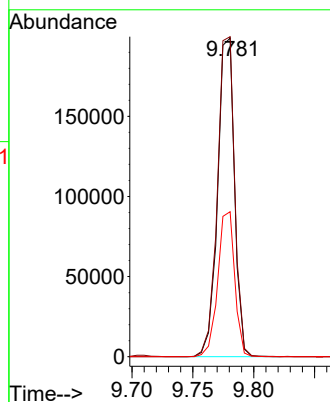
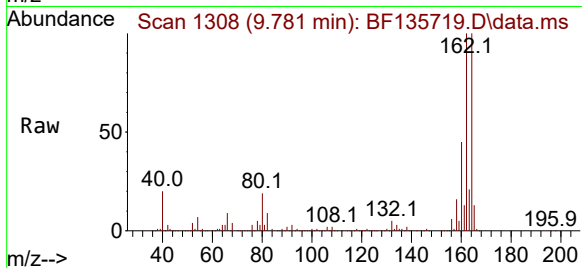




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.781 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

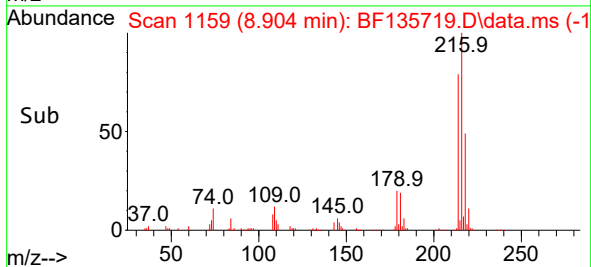
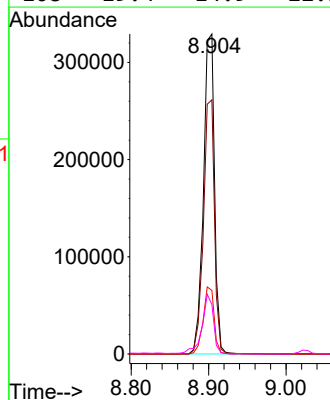
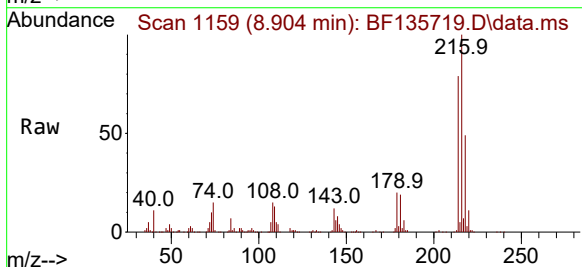
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

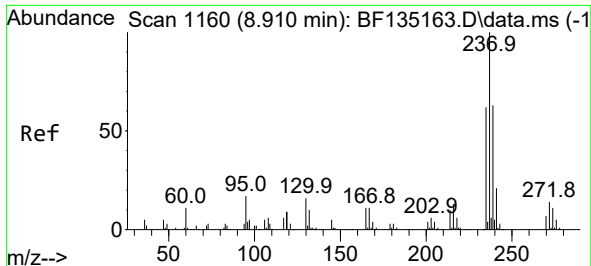
Tgt Ion:164 Resp: 191204
Ion Ratio Lower Upper
164 100
162 100.5 81.0 121.4
160 45.5 37.0 55.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 58.811 ng
RT: 8.904 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:216 Resp: 325772
Ion Ratio Lower Upper
216 100
214 79.5 63.7 95.5
179 20.7 16.7 25.1
108 19.4 14.9 22.3

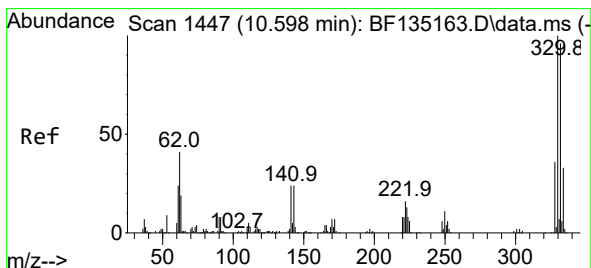
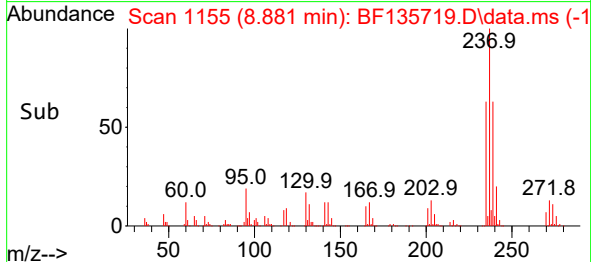
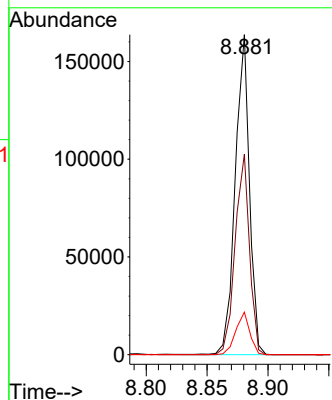
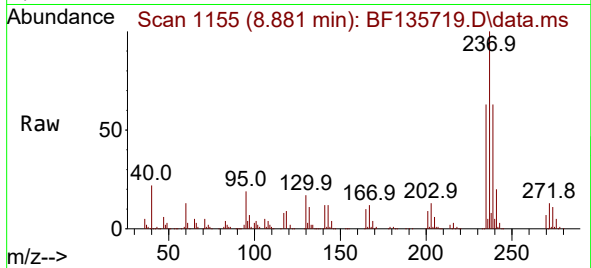




#41
Hexachlorocyclopentadiene
Concen: 56.870 ng
RT: 8.881 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

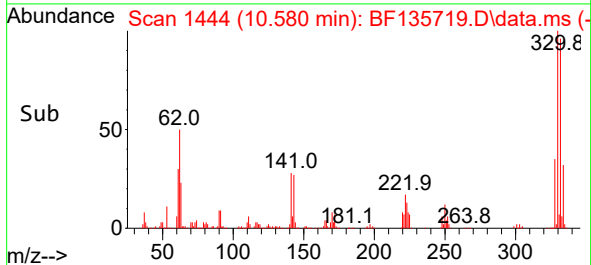
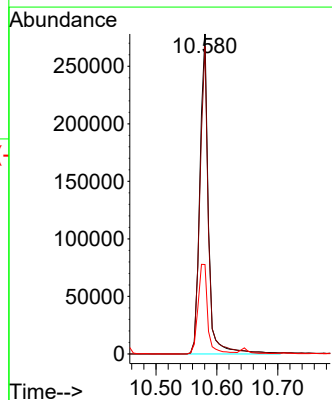
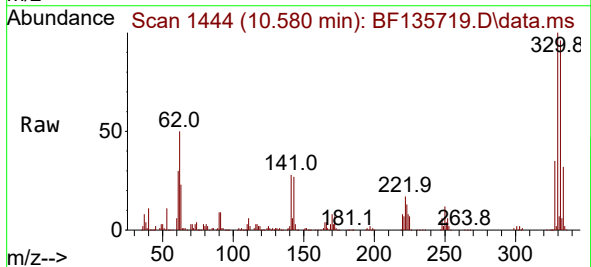
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

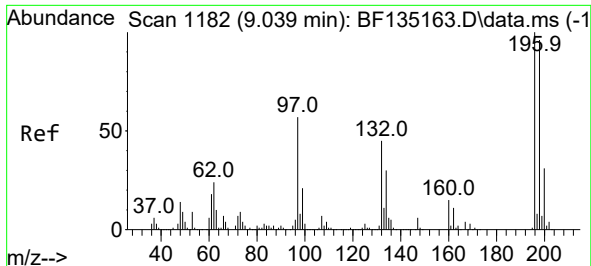
Tgt Ion:237 Resp: 133067
Ion Ratio Lower Upper
237 100
235 62.7 41.8 81.8
272 13.3 0.0 33.6



#42
2,4,6-Tribromophenol
Concen: 143.429 ng
RT: 10.580 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:330 Resp: 272530
Ion Ratio Lower Upper
330 100
332 95.6 77.3 115.9
141 31.7 25.8 38.8





#43

2,4,6-Trichlorophenol

Concen: 58.293 ng

RT: 9.022 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

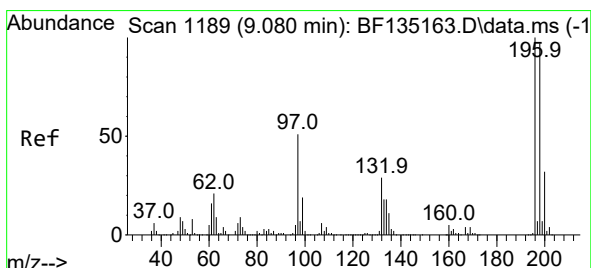
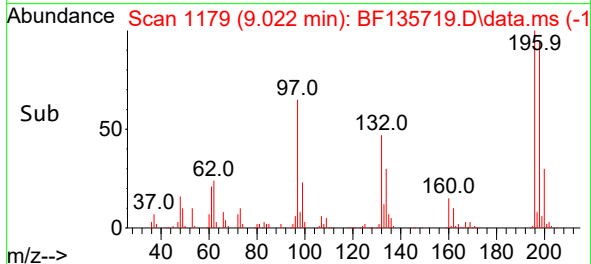
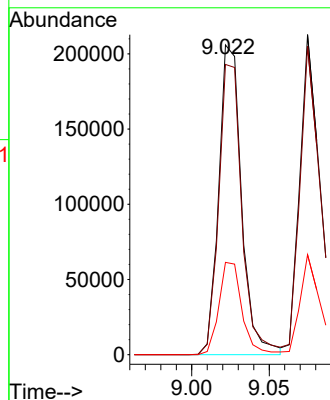
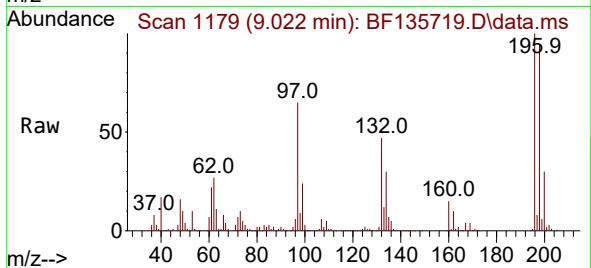
Tgt Ion:196 Resp: 211420

Ion Ratio Lower Upper

196 100

198 93.7 77.0 115.6

200 29.8 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 52.622 ng

RT: 9.075 min Scan# 1188

Delta R.T. 0.006 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Tgt Ion:196 Resp: 219788

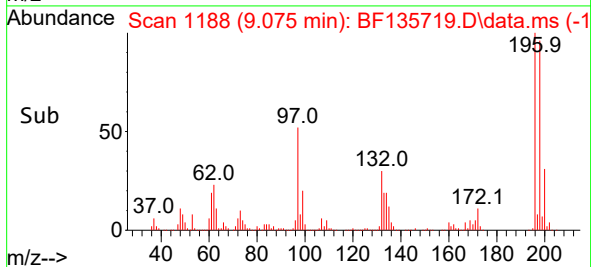
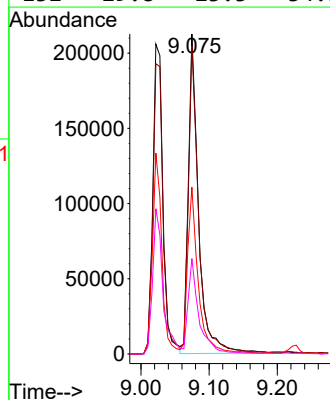
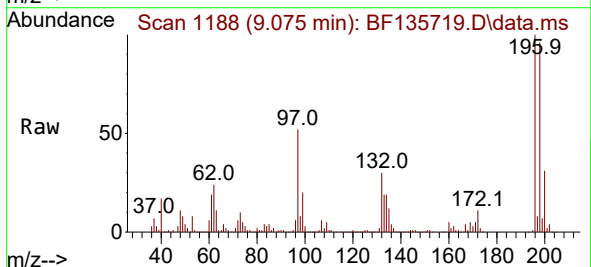
Ion Ratio Lower Upper

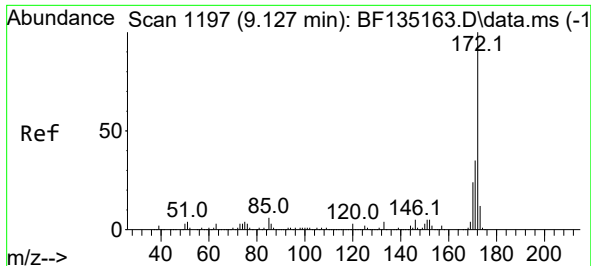
196 100

198 96.4 77.5 116.3

97 52.1 40.5 60.7

132 29.8 23.3 34.9

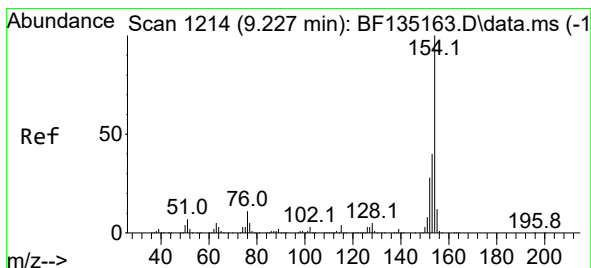
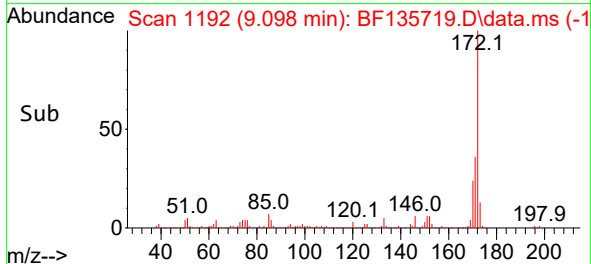
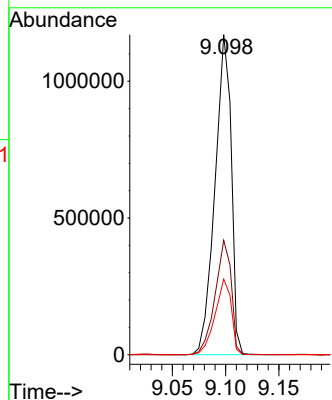
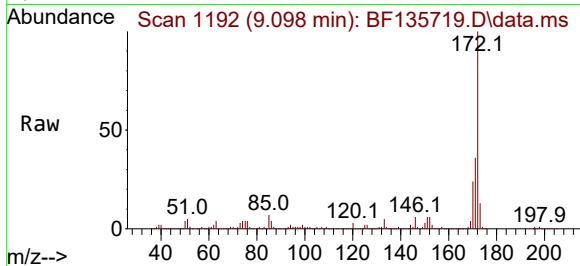




#45
2-Fluorobiphenyl
Concen: 98.055 ng
RT: 9.098 min Scan# 1197
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

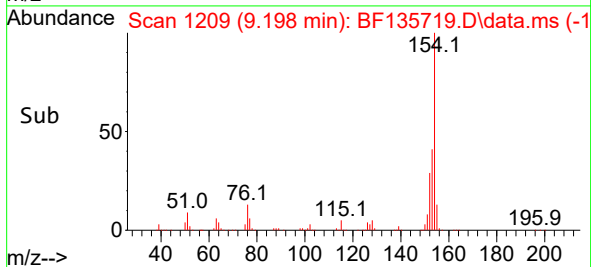
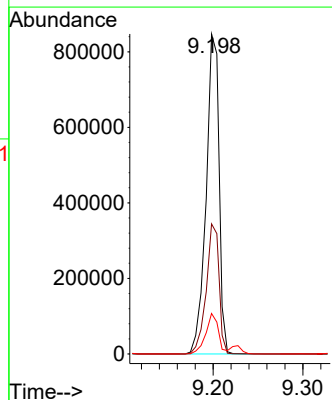
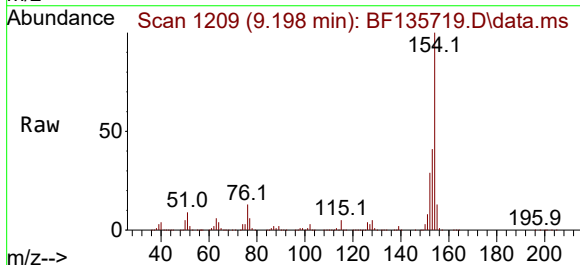
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

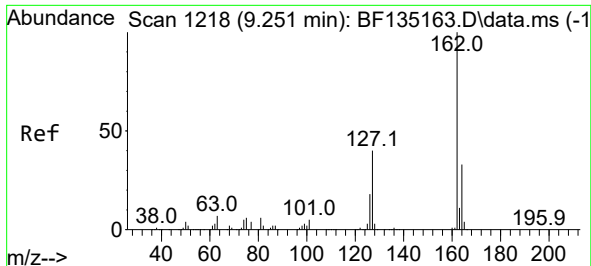
Tgt Ion:172 Resp: 1242681
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.6 19.0 28.4



#46
1,1'-Biphenyl
Concen: 57.759 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:154 Resp: 848693
Ion Ratio Lower Upper
154 100
153 40.7 19.6 59.6
76 12.7 0.0 31.0





#47

2-Chloronaphthalene

Concen: 58.554 ng

RT: 9.228 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

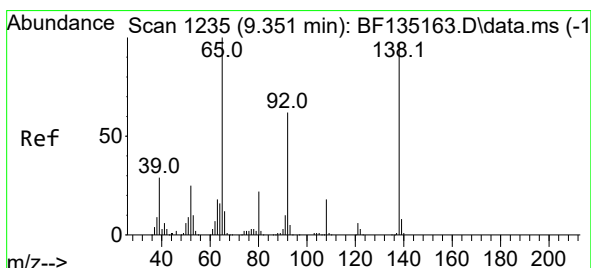
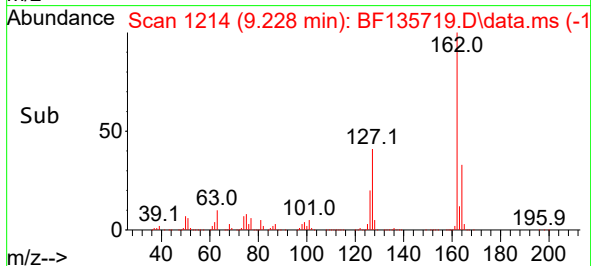
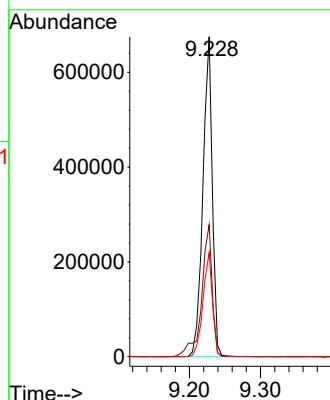
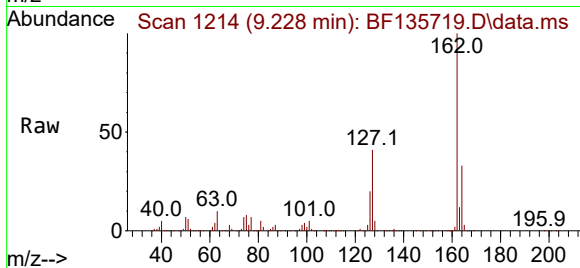
Tgt Ion:162 Resp: 624256

Ion Ratio Lower Upper

162 100

127 41.3 32.6 48.8

164 32.5 26.2 39.2



#48

2-Nitroaniline

Concen: 55.551 ng

RT: 9.339 min Scan# 1233

Delta R.T. 0.006 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

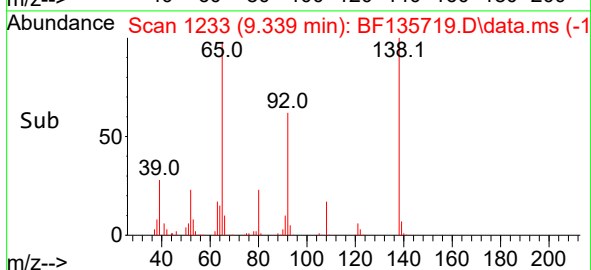
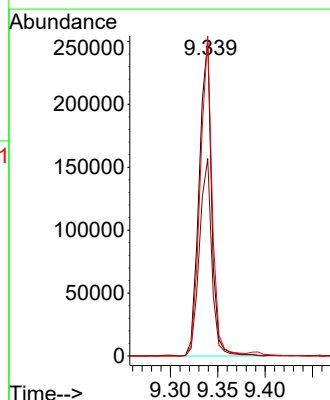
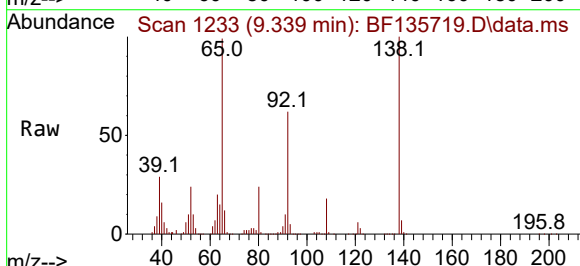
Tgt Ion: 65 Resp: 230082

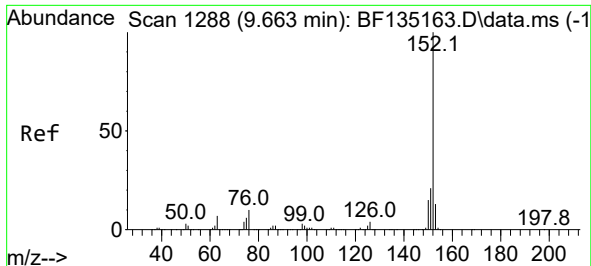
Ion Ratio Lower Upper

65 100

92 62.5 49.4 74.0

138 101.4 77.4 116.0





#49

Acenaphthylene

Concen: 55.888 ng

RT: 9.639 min Scan# 1284

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

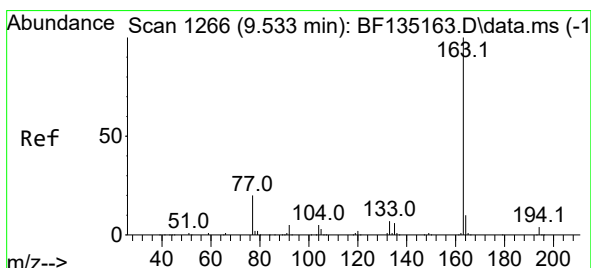
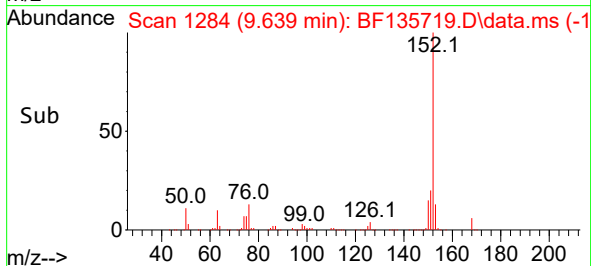
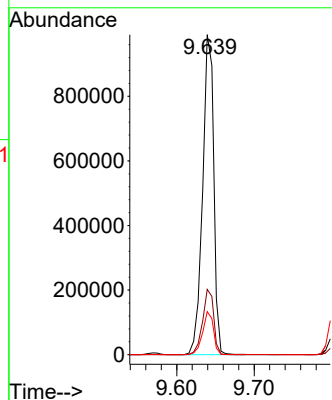
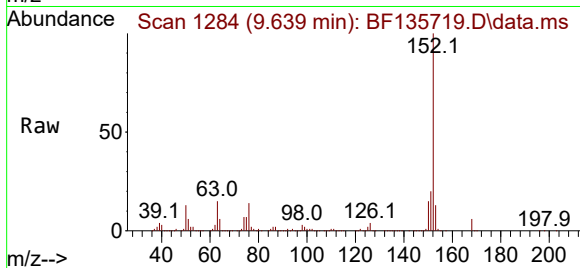
Tgt Ion:152 Resp: 990233

Ion Ratio Lower Upper

152 100

151 20.4 16.4 24.6

153 13.5 10.4 15.6



#50

Dimethylphthalate

Concen: 55.883 ng

RT: 9.510 min Scan# 1262

Delta R.T. 0.006 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

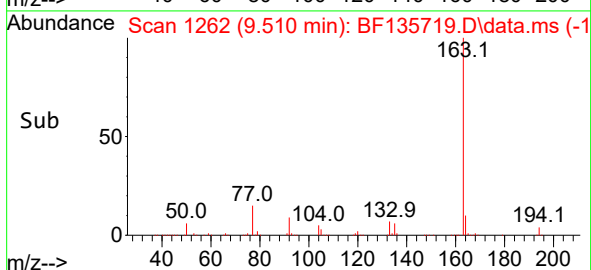
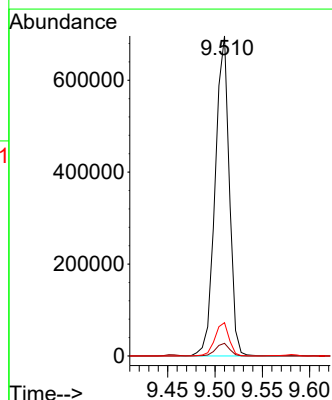
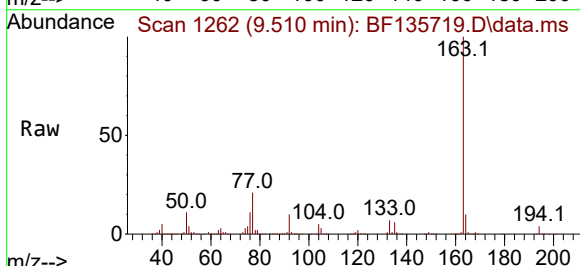
Tgt Ion:163 Resp: 722413

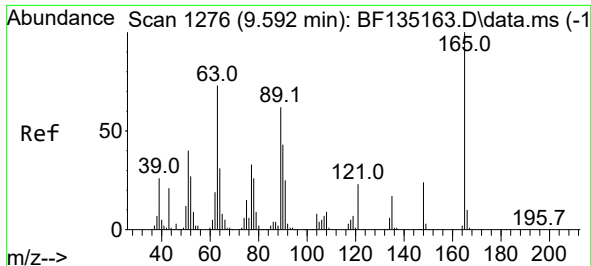
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.4 8.1 12.1

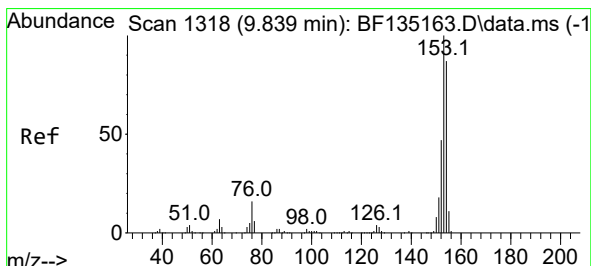
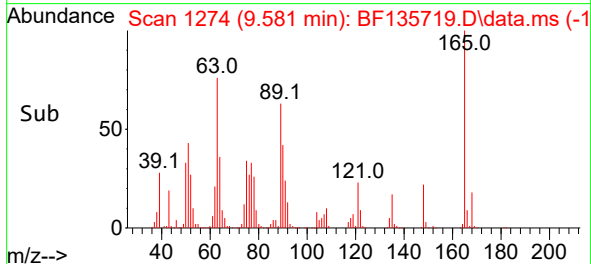
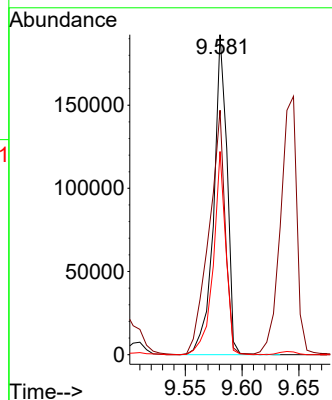
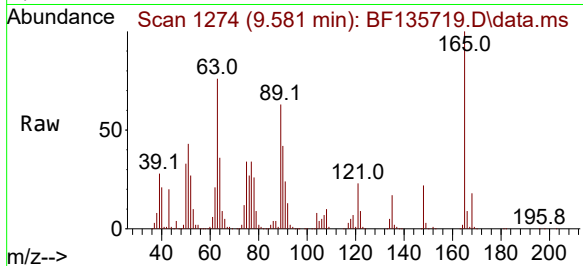




#51
2,6-Dinitrotoluene
Concen: 55.397 ng
RT: 9.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

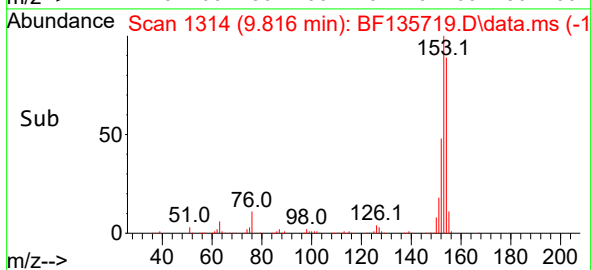
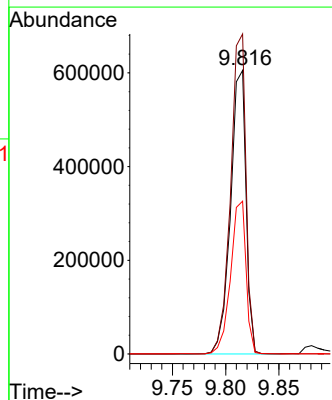
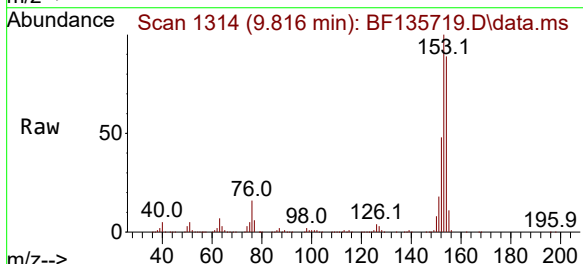
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

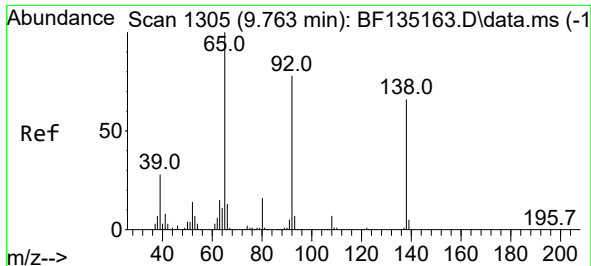
Tgt Ion:165 Resp: 156883
Ion Ratio Lower Upper
165 100
63 76.4 59.4 89.2
89 63.5 49.8 74.8



#52
Acenaphthene
Concen: 58.653 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:154 Resp: 613917
Ion Ratio Lower Upper
154 100
153 112.8 92.1 138.1
152 53.9 43.1 64.7

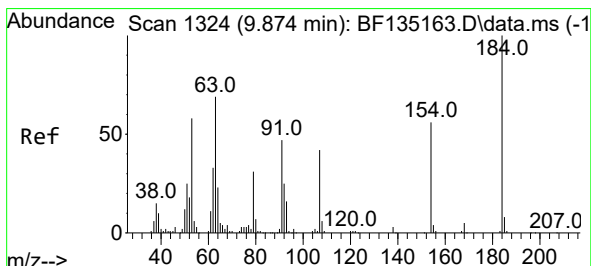
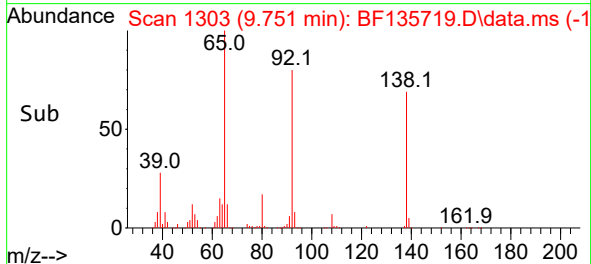
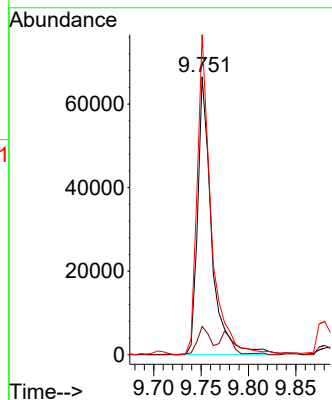
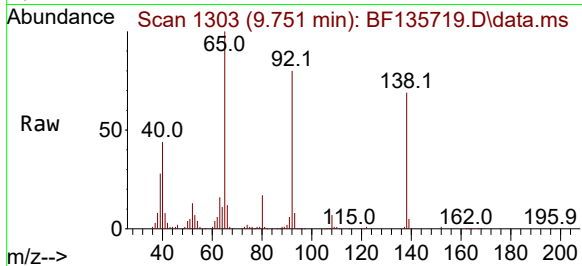




#53
3-Nitroaniline
Concen: 20.556 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

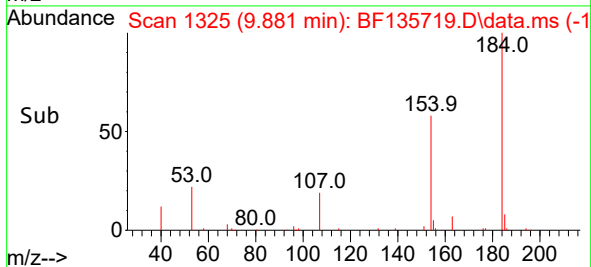
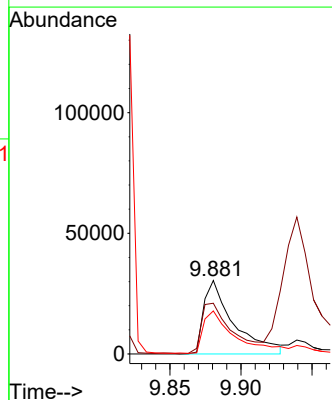
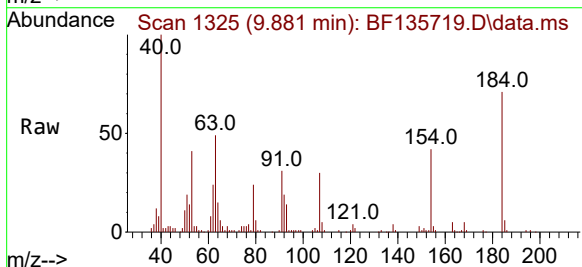
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

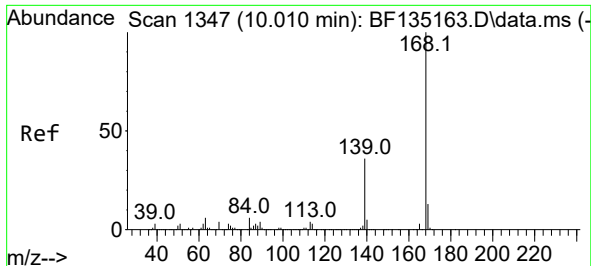
Tgt Ion:138 Resp: 68334
Ion Ratio Lower Upper
138 100
108 10.2 8.5 12.7
92 115.1 95.4 143.0



#54
2,4-Dinitrophenol
Concen: 31.907 ng
RT: 9.881 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:184 Resp: 44747
Ion Ratio Lower Upper
184 100
63 69.1 55.1 82.7
154 58.6 48.4 72.6

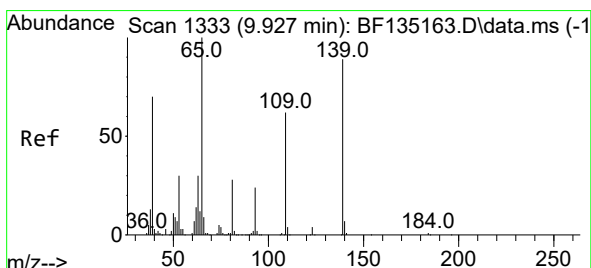
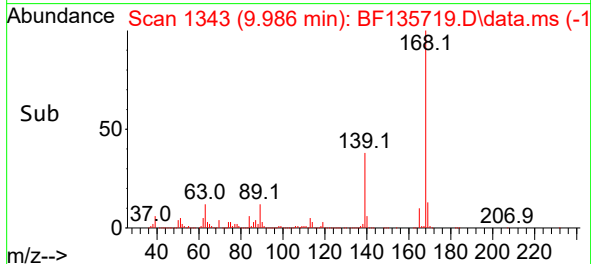
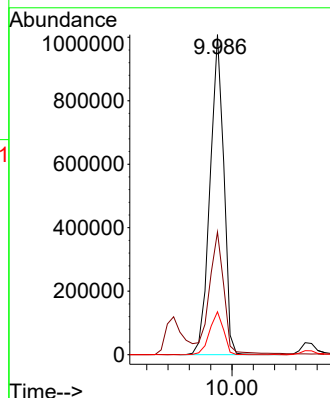
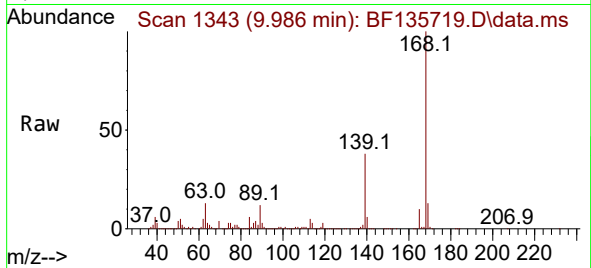




#55
Dibenzenofuran
Concen: 56.423 ng
RT: 9.986 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

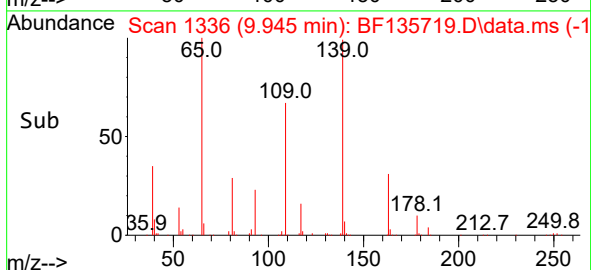
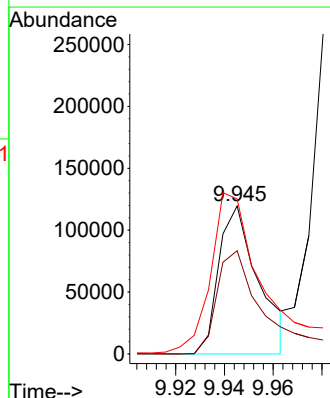
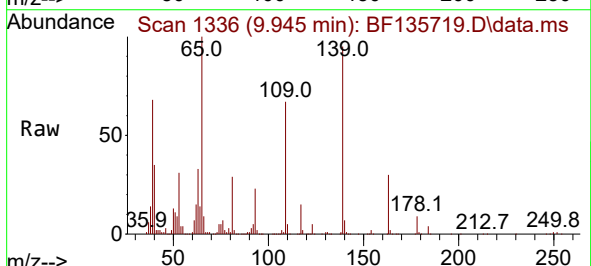
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

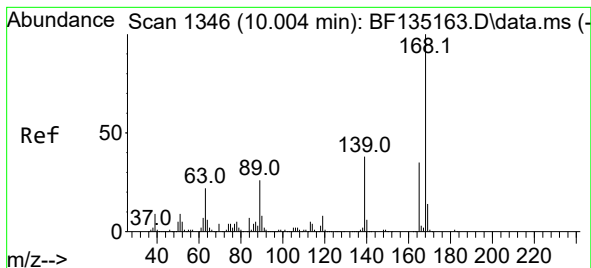
Tgt Ion:168 Resp: 901205
Ion Ratio Lower Upper
168 100
139 38.4 29.0 43.6
169 13.4 10.4 15.6



#56
4-Nitrophenol
Concen: 63.957 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:139 Resp: 135124
Ion Ratio Lower Upper
139 100
109 69.8 49.8 89.8
65 104.8 92.7 132.7





#57

2,4-Dinitrotoluene

Concen: 58.288 ng

RT: 9.992 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

Tgt Ion:165 Resp: 206651

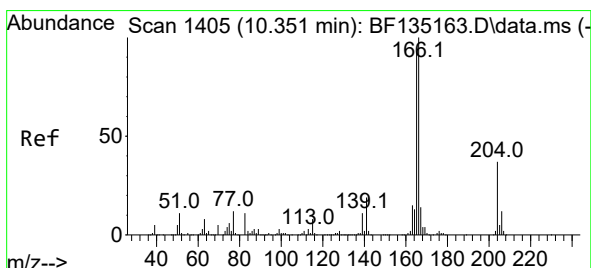
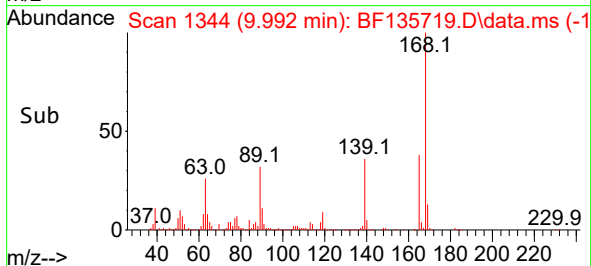
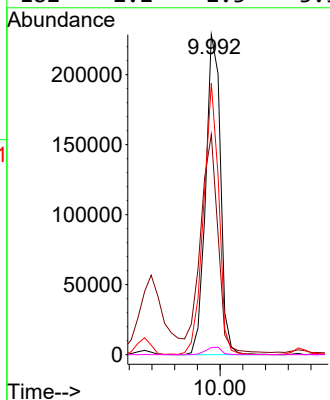
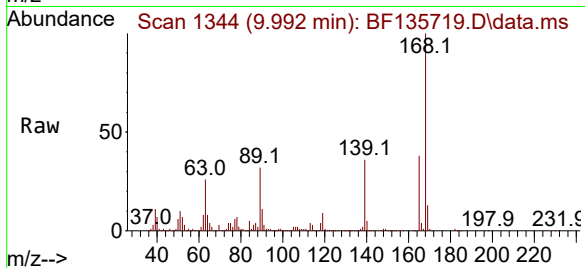
Ion Ratio Lower Upper

165 100

63 68.8 50.1 75.1

89 84.8 59.3 88.9

182 2.2 2.3 3.5#



#58

Fluorene

Concen: 57.962 ng

RT: 10.333 min Scan# 1402

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

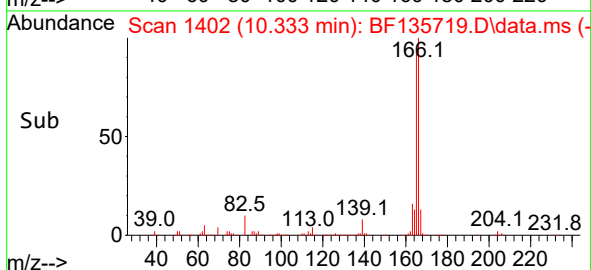
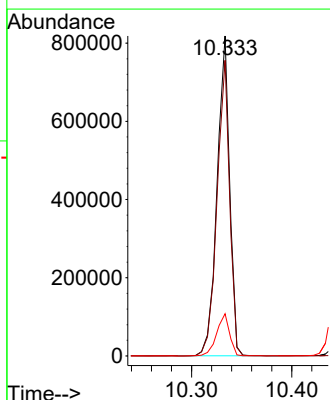
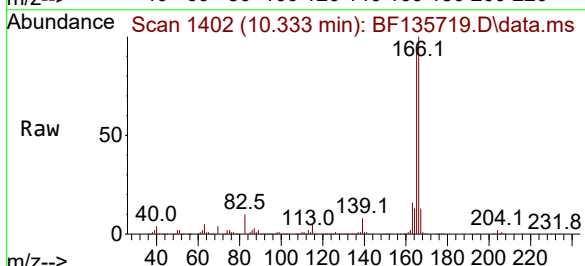
Tgt Ion:166 Resp: 711710

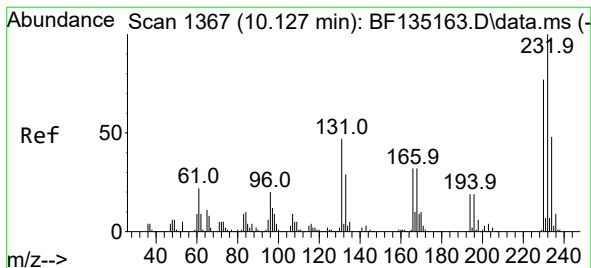
Ion Ratio Lower Upper

166 100

165 92.4 74.3 111.5

167 13.2 10.9 16.3

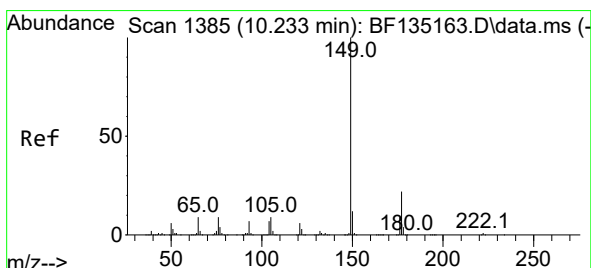
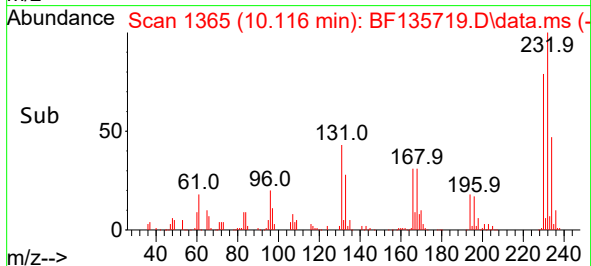
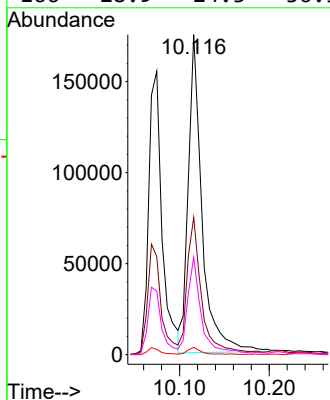
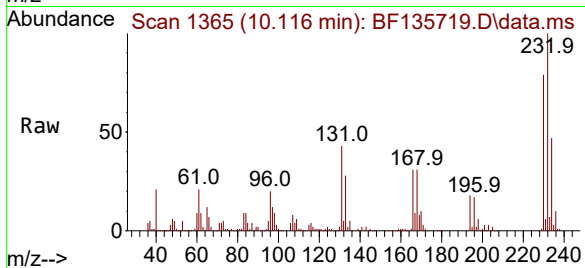




#59
2,3,4,6-Tetrachlorophenol
Concen: 58.263 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

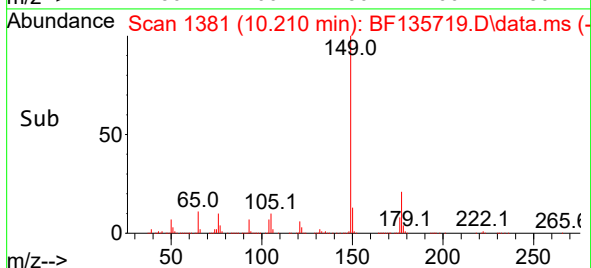
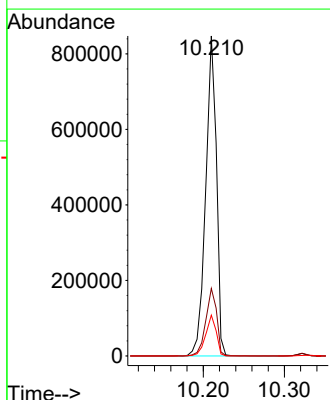
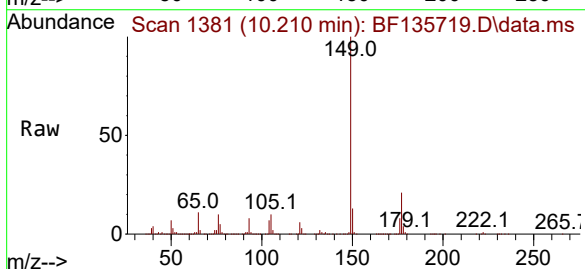
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

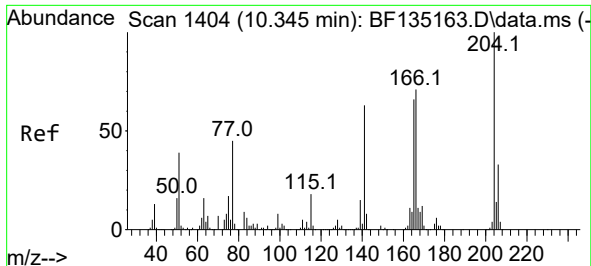
Tgt Ion:232 Resp: 187192
Ion Ratio Lower Upper
232 100
131 43.4 35.4 53.2
130 1.9 1.8 2.8
166 28.9 24.3 36.5



#60
Diethylphthalate
Concen: 59.797 ng
RT: 10.210 min Scan# 1381
Delta R.T. 0.006 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:149 Resp: 775792
Ion Ratio Lower Upper
149 100
177 21.1 17.8 26.6
150 12.7 10.0 15.0

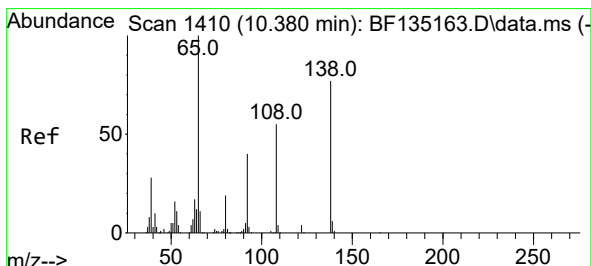
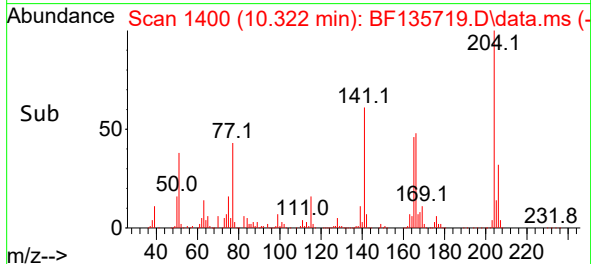
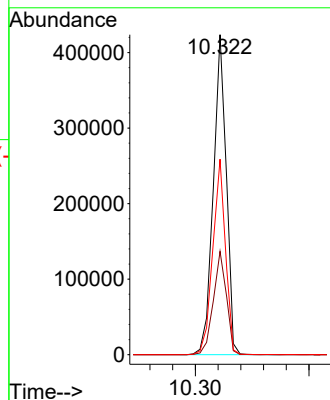
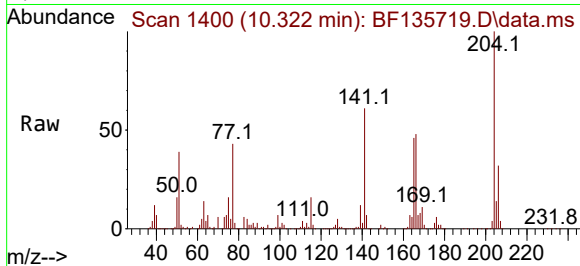




#61
4-Chlorophenyl-phenylether
Concen: 56.755 ng
RT: 10.322 min Scan# 1400
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

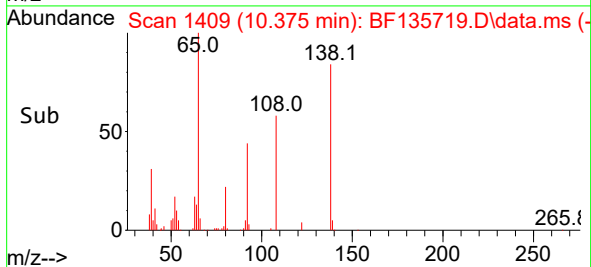
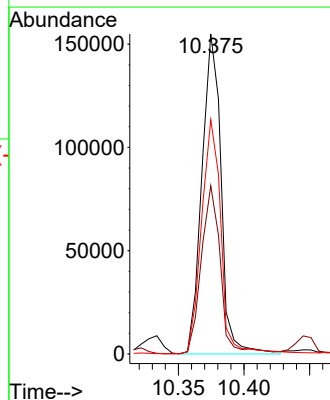
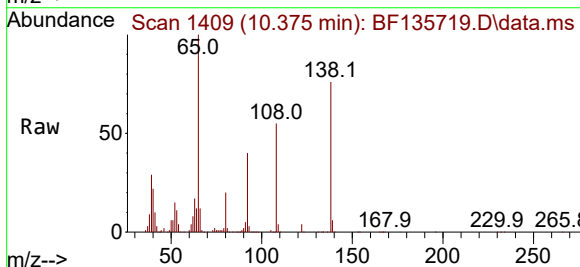
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

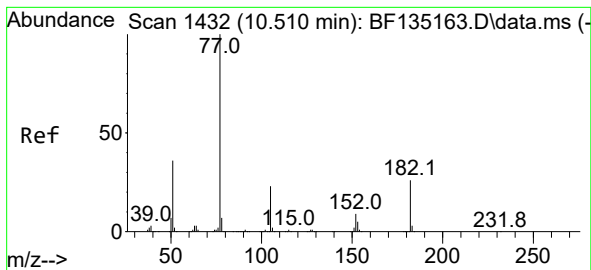
Tgt Ion:204 Resp: 334763
Ion Ratio Lower Upper
204 100
206 32.3 26.7 40.1
141 61.1 50.6 75.8



#62
4-Nitroaniline
Concen: 49.399 ng
RT: 10.375 min Scan# 1409
Delta R.T. 0.006 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:138 Resp: 157849
Ion Ratio Lower Upper
138 100
92 52.6 31.8 71.8
108 73.2 52.0 92.0





#63

Azobenzene

Concen: 59.201 ng

RT: 10.486 min Scan# 1432

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

Tgt Ion: 77 Resp: 751689

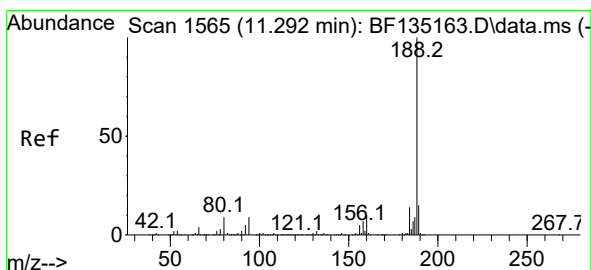
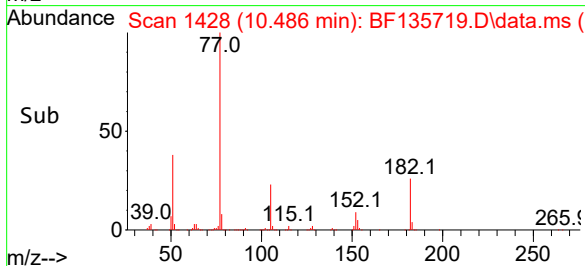
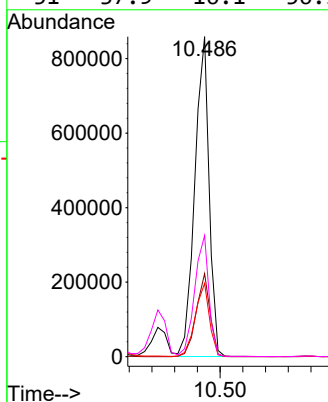
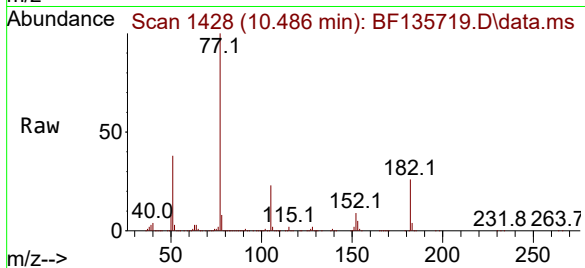
Ion Ratio Lower Upper

77 100

182 25.9 6.4 46.4

105 22.9 3.1 43.1

51 37.9 16.1 56.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.275 min Scan# 1562

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

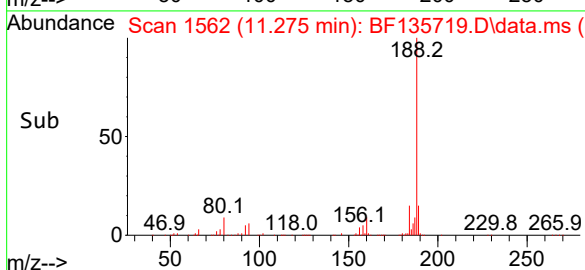
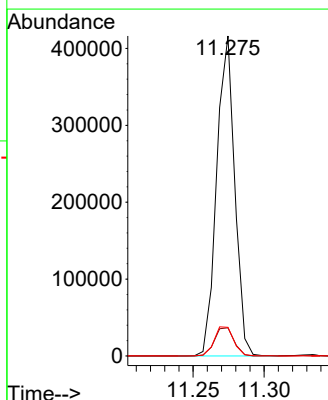
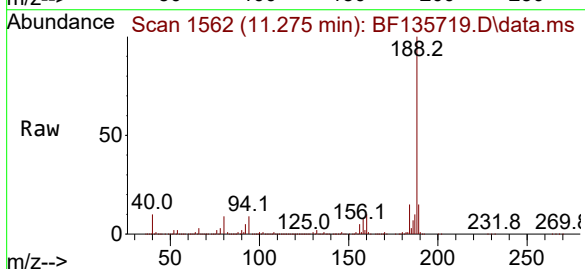
Tgt Ion: 188 Resp: 366812

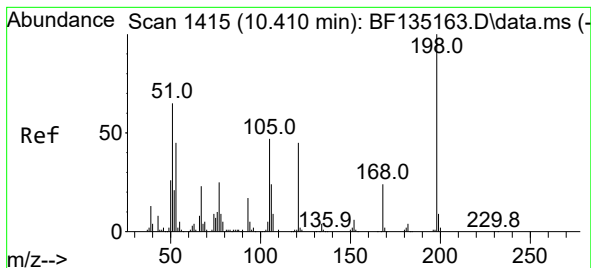
Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.6

80 9.0 7.5 11.3

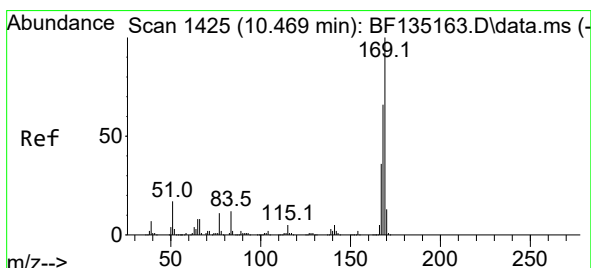
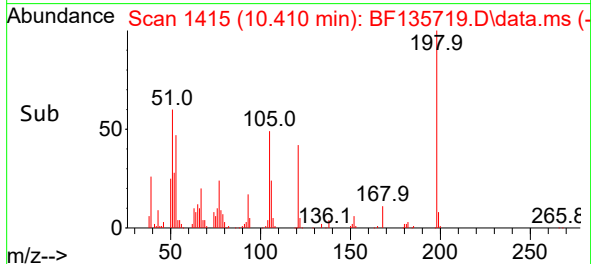
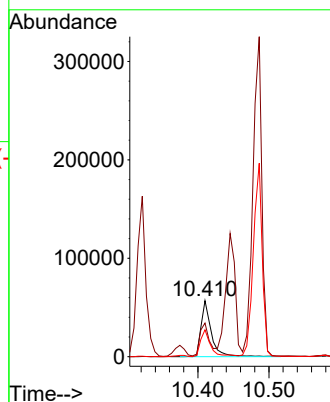
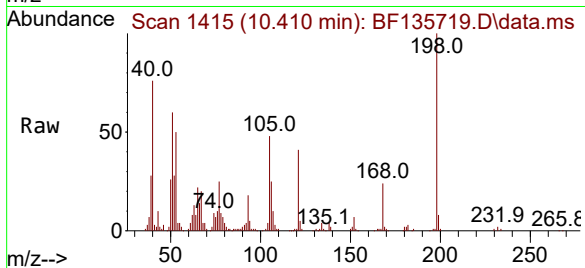




#65
4,6-Dinitro-2-methylphenol
Concen: 29.330 ng
RT: 10.410 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

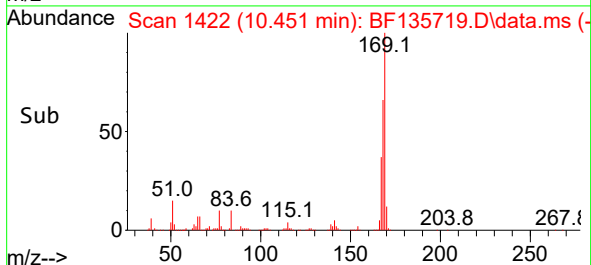
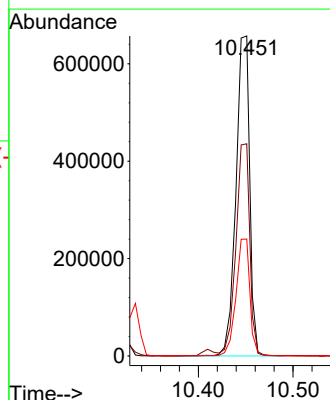
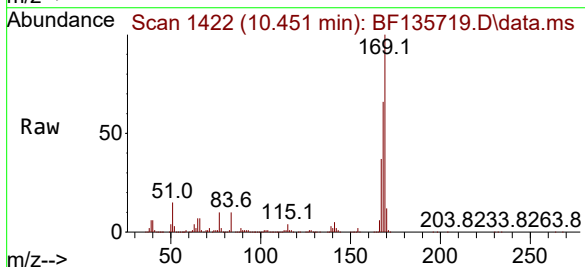
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

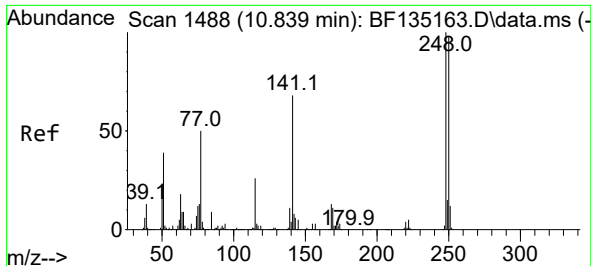
Tgt Ion:198 Resp: 57143
Ion Ratio Lower Upper
198 100
51 60.0 47.7 87.7
105 47.9 27.4 67.4



#66
n-Nitrosodiphenylamine
Concen: 59.524 ng
RT: 10.451 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:169 Resp: 661019
Ion Ratio Lower Upper
169 100
168 66.3 52.8 79.2
167 36.6 29.0 43.6

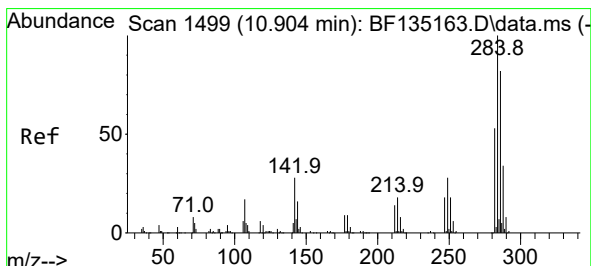
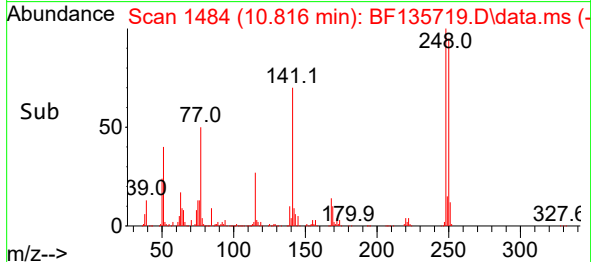
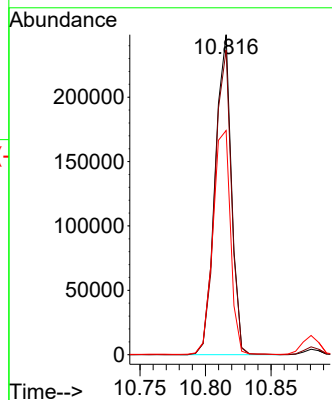
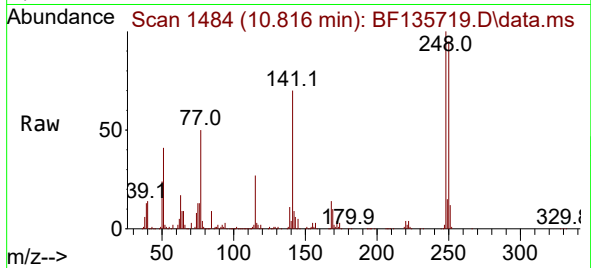




#67
4-Bromophenyl-phenylether
Concen: 58.929 ng
RT: 10.816 min Scan# 1484
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

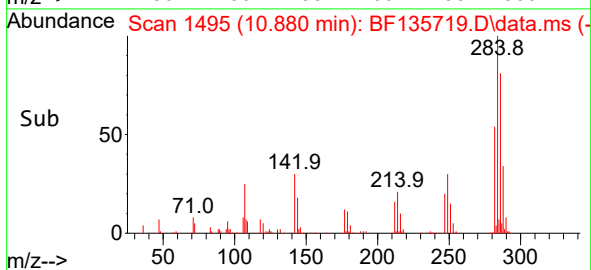
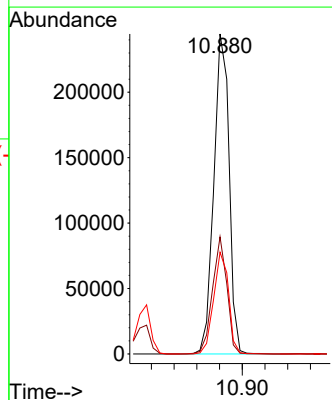
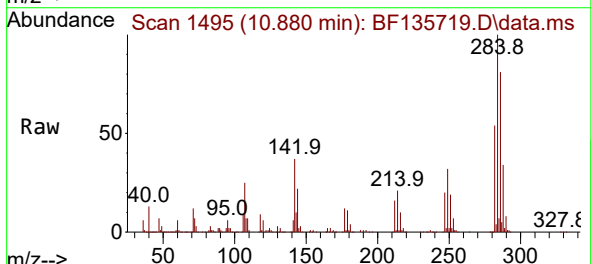
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

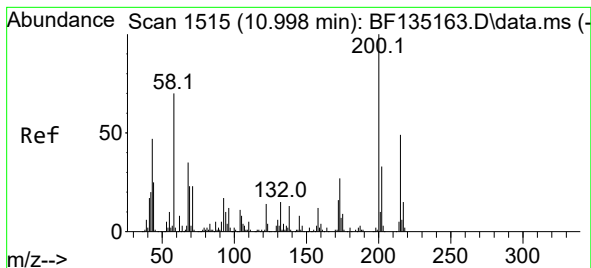
Tgt Ion:248 Resp: 214986
Ion Ratio Lower Upper
248 100
250 95.2 78.6 117.8
141 70.1 54.2 81.2



#68
Hexachlorobenzene
Concen: 61.452 ng
RT: 10.880 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:284 Resp: 228400
Ion Ratio Lower Upper
284 100
142 36.6 22.2 33.4#
249 31.8 22.5 33.7





#69

Atrazine

Concen: 70.175 ng

RT: 10.986 min Scan# 1513

Delta R.T. 0.006 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

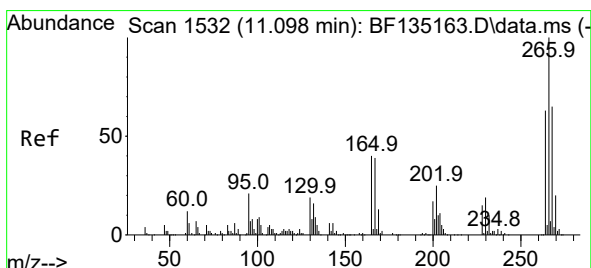
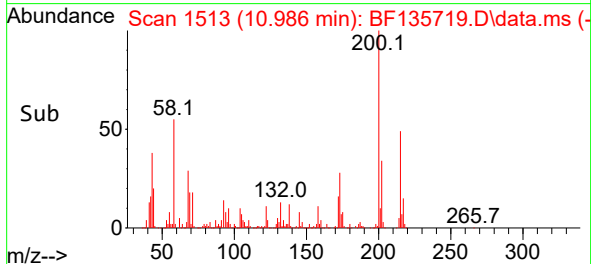
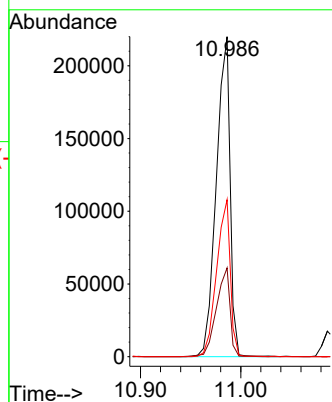
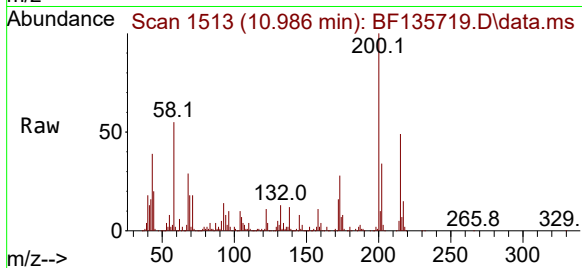
Tgt Ion:200 Resp: 209689

Ion Ratio Lower Upper

200 100

173 27.8 7.4 47.4

215 49.0 28.6 68.6



#70

Pentachlorophenol

Concen: 59.248 ng

RT: 11.086 min Scan# 1530

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

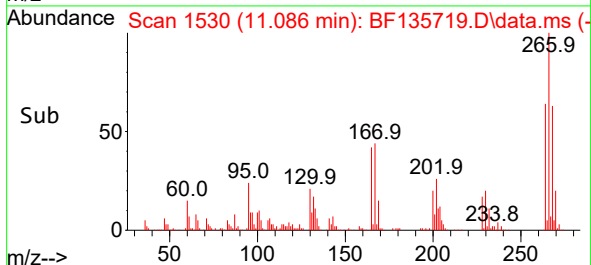
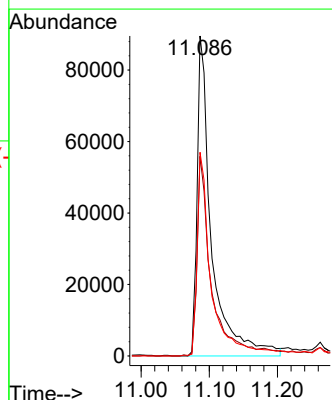
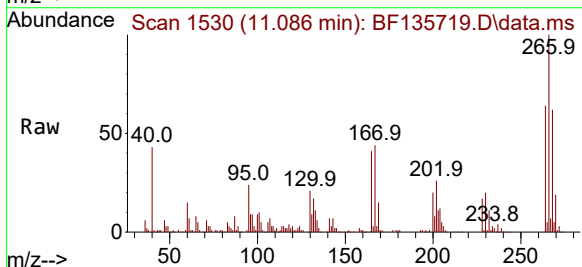
Tgt Ion:266 Resp: 131750

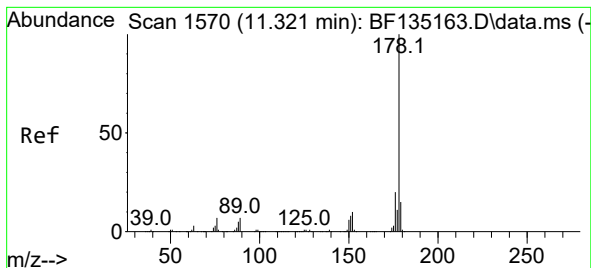
Ion Ratio Lower Upper

266 100

268 62.4 52.1 78.1

264 63.7 50.8 76.2





#71

Phenanthrene

Concen: 58.161 ng

RT: 11.298 min Scan# 1566

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

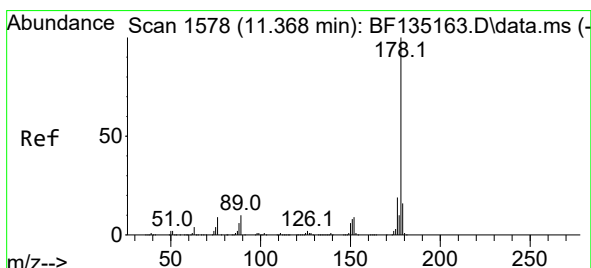
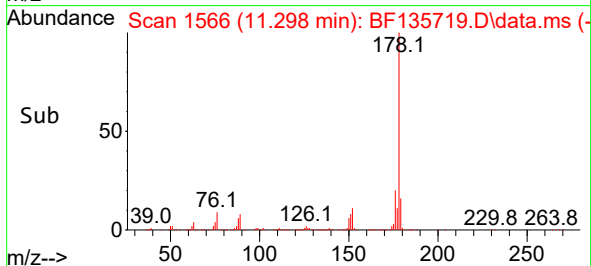
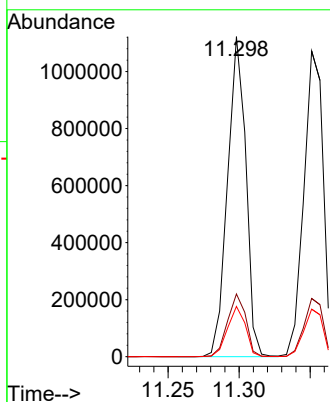
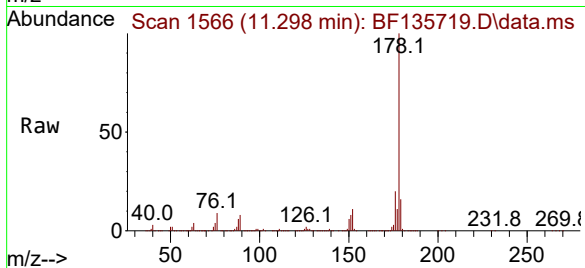
Tgt Ion:178 Resp: 1009005

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 15.7 12.0 18.0



#72

Anthracene

Concen: 57.522 ng

RT: 11.351 min Scan# 1575

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

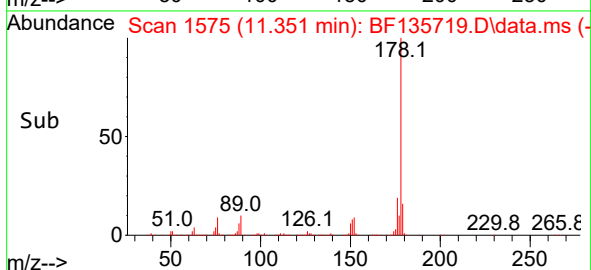
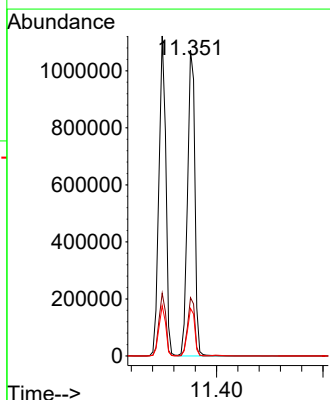
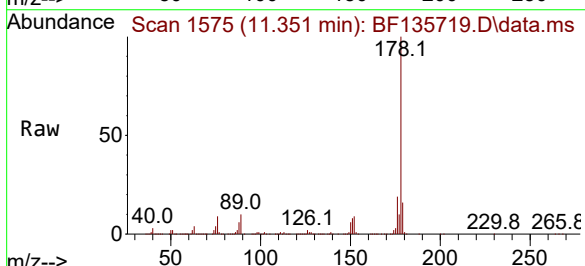
Tgt Ion:178 Resp: 1025771

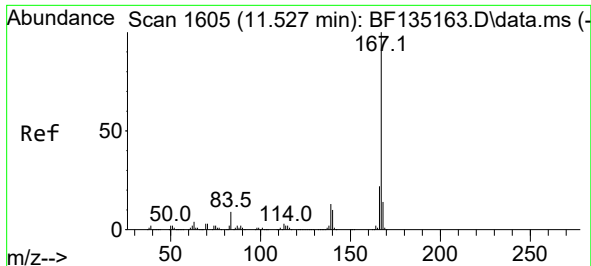
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.6 12.6 19.0

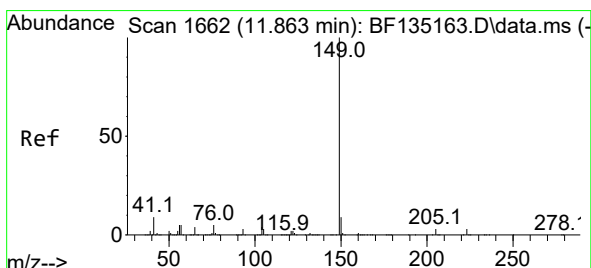
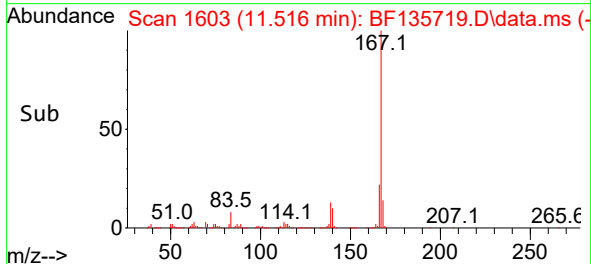
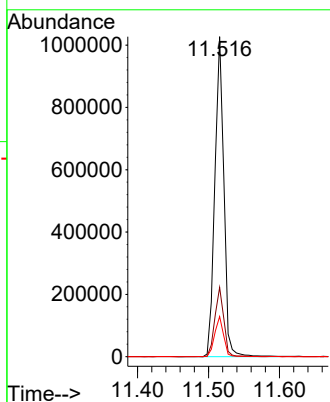
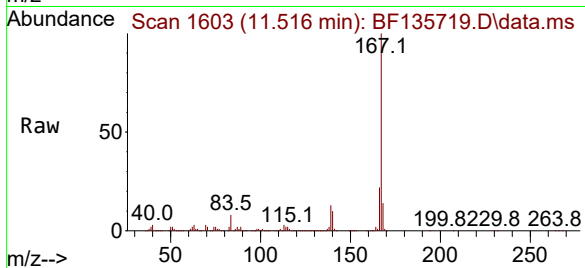




#73
Carbazole
Concen: 55.760 ng
RT: 11.516 min Scan# 1603
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

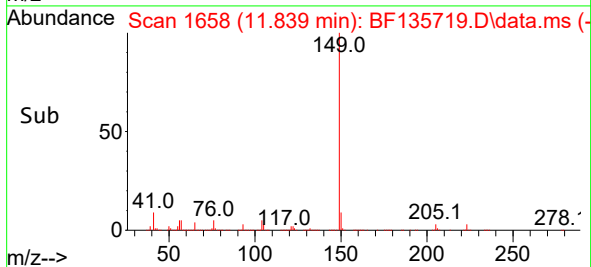
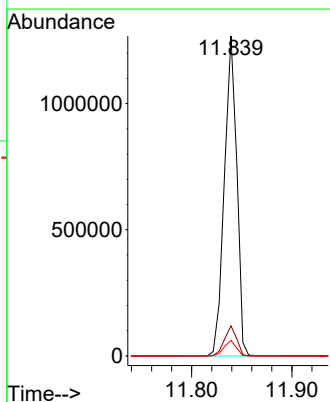
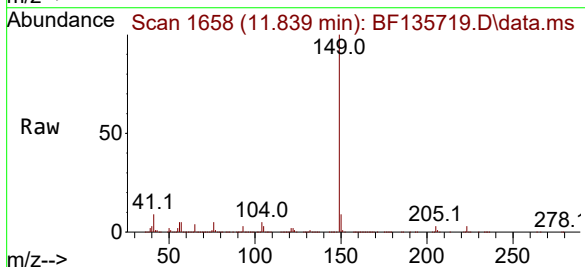
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

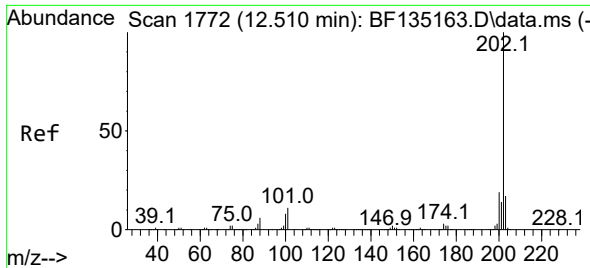
Tgt Ion:167 Resp: 905164
Ion Ratio Lower Upper
167 100
166 21.7 17.4 26.0
139 12.6 10.6 15.8



#74
Di-n-butylphthalate
Concen: 56.889 ng
RT: 11.839 min Scan# 1658
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:149 Resp: 1088208
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.0
104 4.9 3.6 5.4

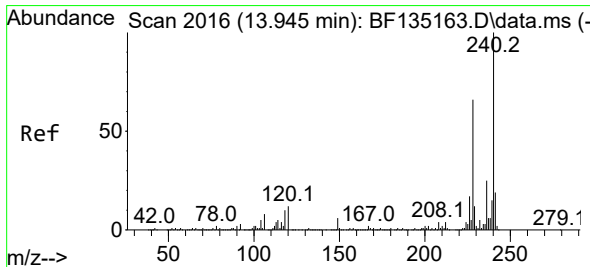
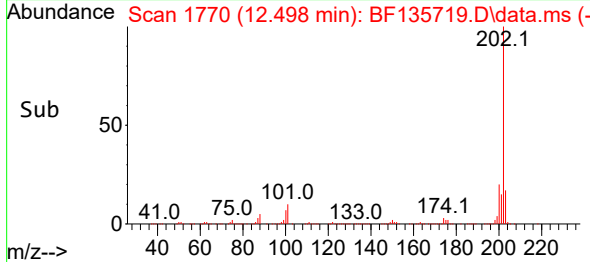
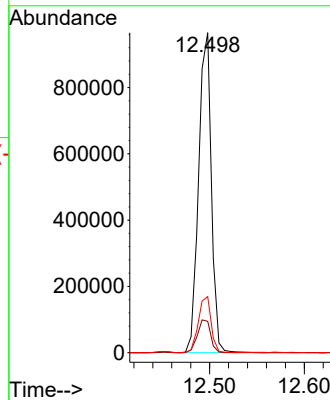
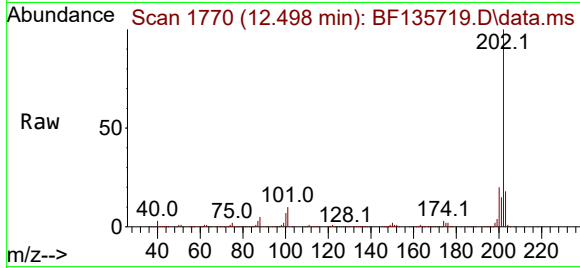




#75
Fluoranthene
Concen: 49.965 ng
RT: 12.498 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

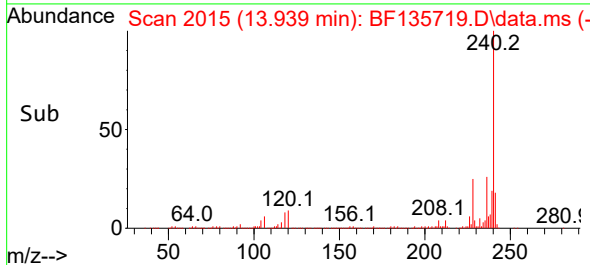
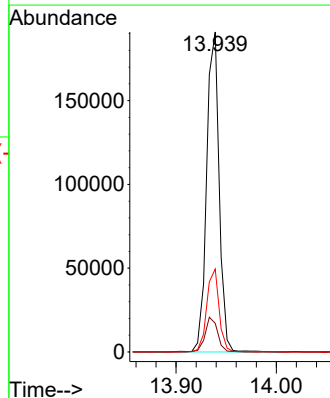
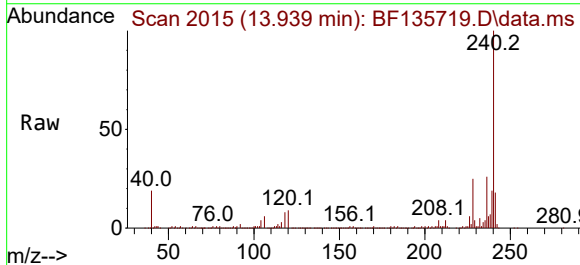
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

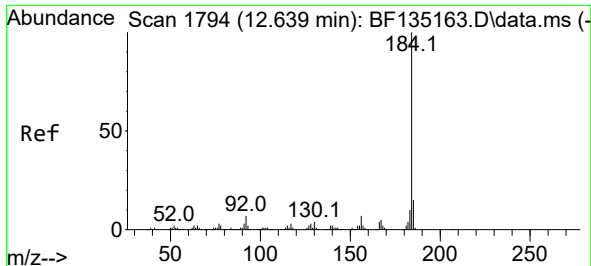
Tgt Ion:202 Resp: 903220
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.3
203 17.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:240 Resp: 165878
Ion Ratio Lower Upper
240 100
120 8.9 9.4 14.2#
236 25.9 19.8 29.8

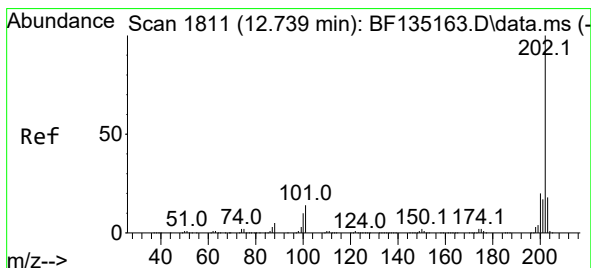
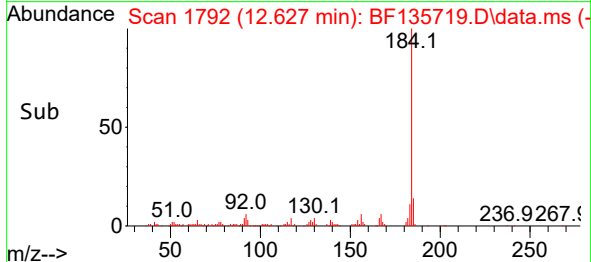
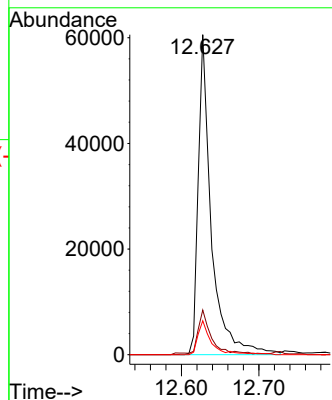
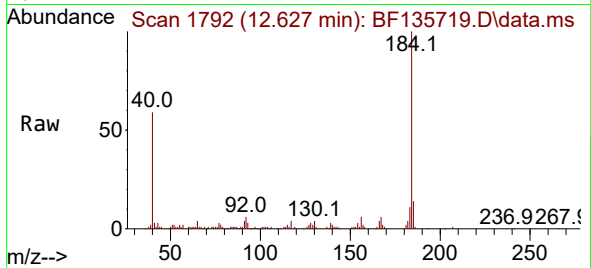




#77
Benzidine
Concen: 20.898 ng
RT: 12.627 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

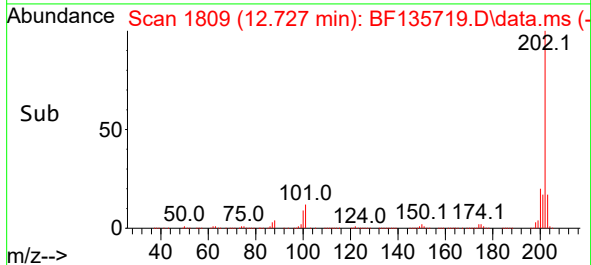
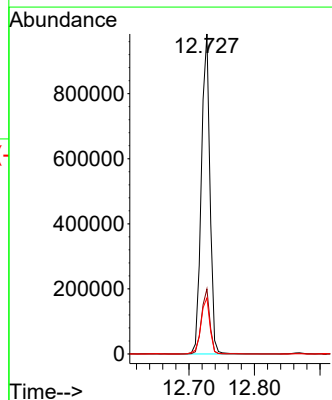
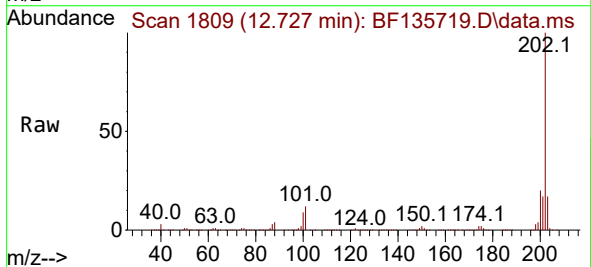
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

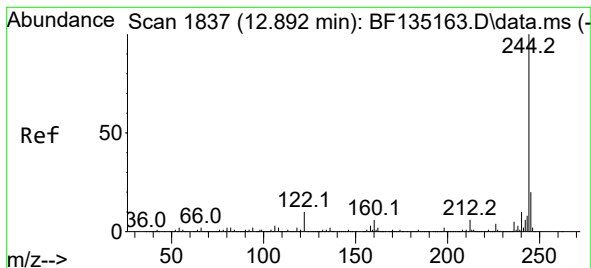
Tgt Ion:184 Resp: 71018
Ion Ratio Lower Upper
184 100
185 14.0 11.7 17.5
183 10.6 8.2 12.4



#78
Pyrene
Concen: 56.670 ng
RT: 12.727 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:202 Resp: 894977
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.2
203 17.5 14.2 21.4





#79

Terphenyl-d14

Concen: 101.737 ng

RT: 12.869 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

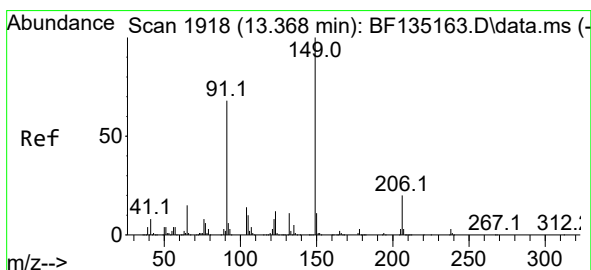
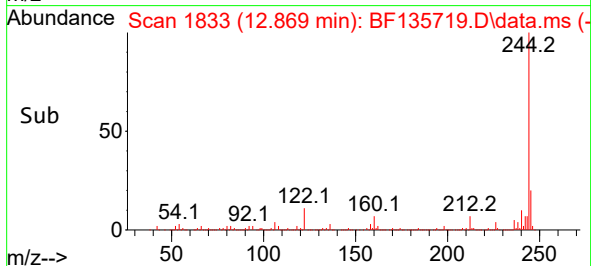
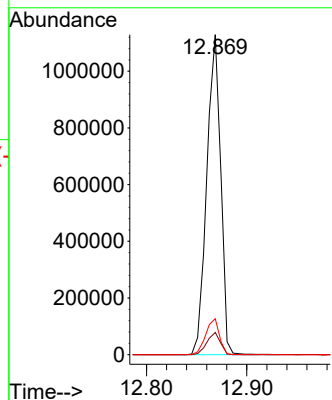
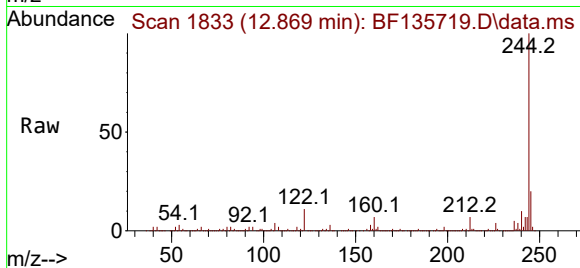
Tgt Ion:244 Resp: 1088631

Ion Ratio Lower Upper

244 100

212 7.0 5.1 7.7

122 11.3 7.9 11.9



#80

Butylbenzylphthalate

Concen: 66.074 ng

RT: 13.345 min Scan# 1914

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

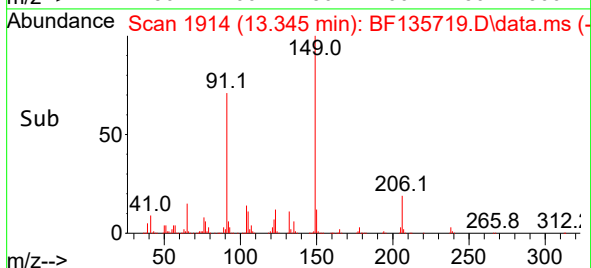
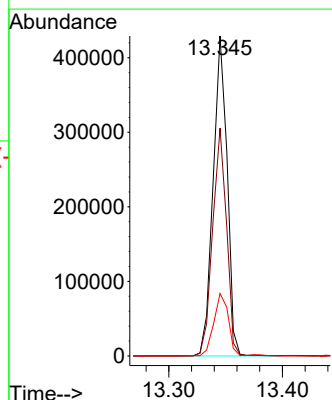
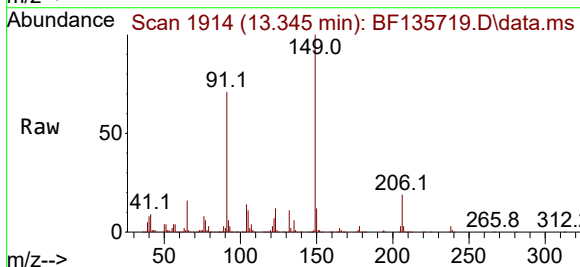
Tgt Ion:149 Resp: 367400

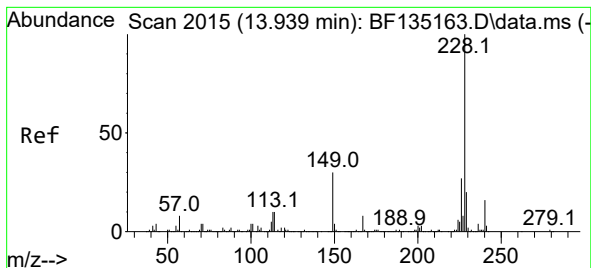
Ion Ratio Lower Upper

149 100

91 71.2 54.7 82.1

206 19.5 16.3 24.5





#81

Benzo(a)anthracene

Concen: 61.514 ng

RT: 13.927 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

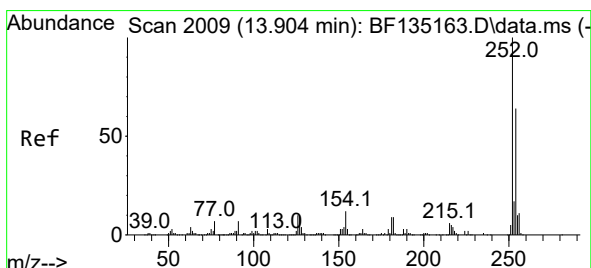
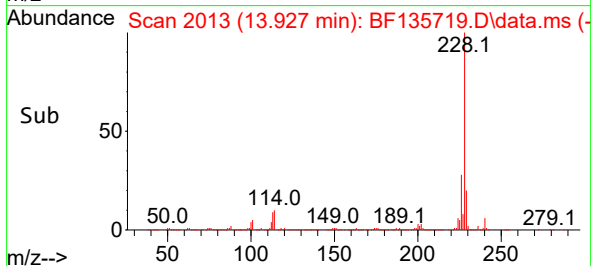
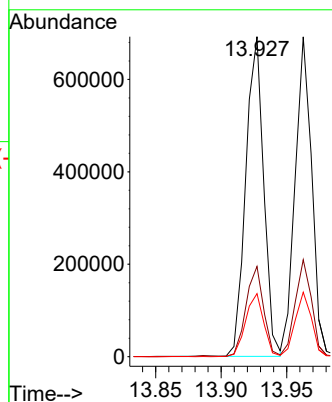
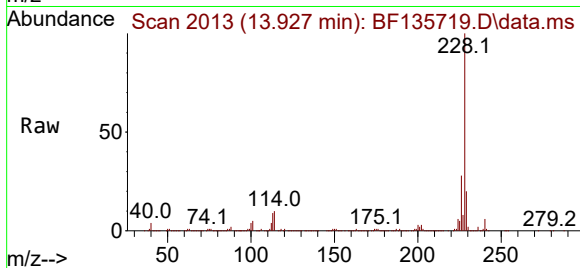
Tgt Ion:228 Resp: 658893

Ion Ratio Lower Upper

228 100

226 28.2 21.7 32.5

229 19.7 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 31.732 ng

RT: 13.886 min Scan# 2006

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

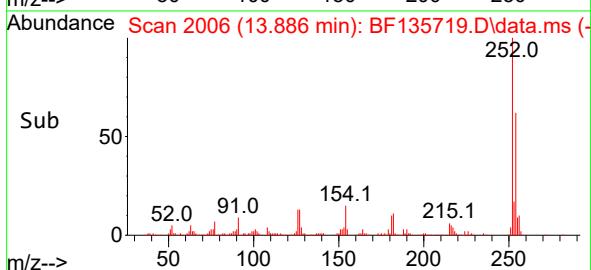
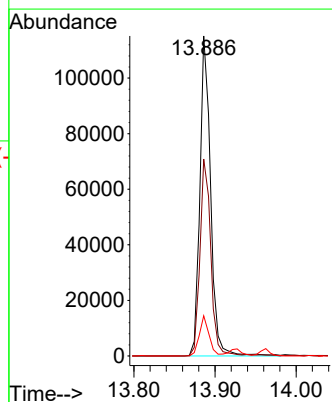
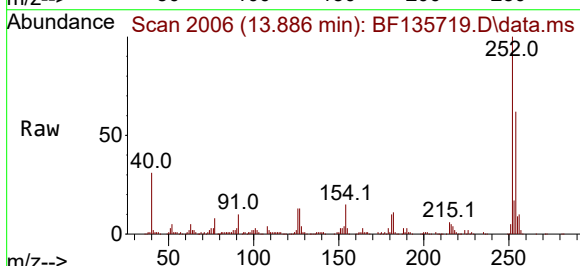
Tgt Ion:252 Resp: 106166

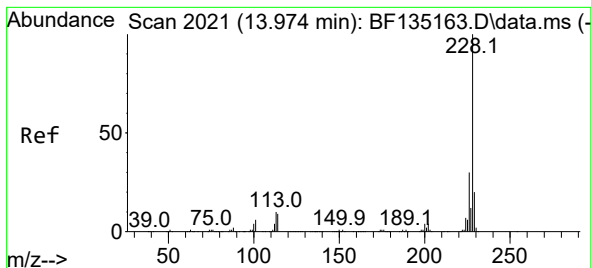
Ion Ratio Lower Upper

252 100

254 61.6 51.0 76.4

126 12.6 7.8 11.8#





#83

Chrysene

Concen: 57.206 ng

RT: 13.963 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

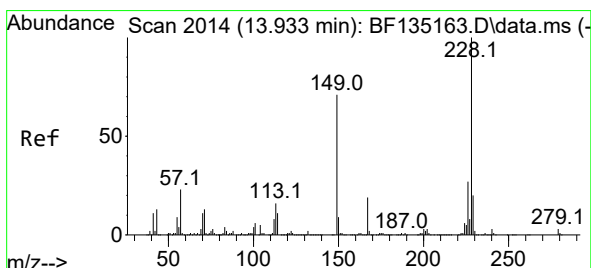
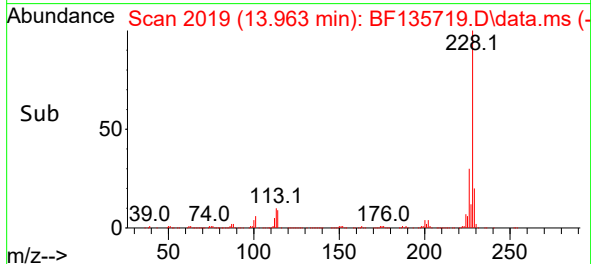
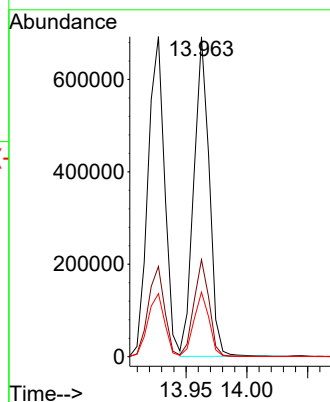
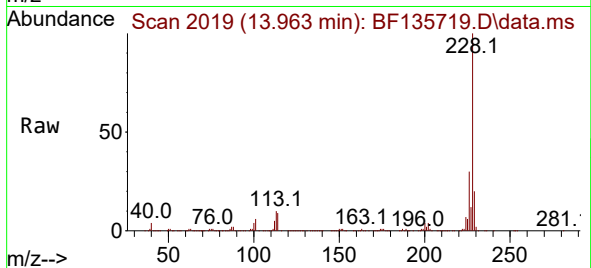
Tgt Ion:228 Resp: 609211

Ion Ratio Lower Upper

228 100

226 30.3 24.3 36.5

229 20.2 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 87.179 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

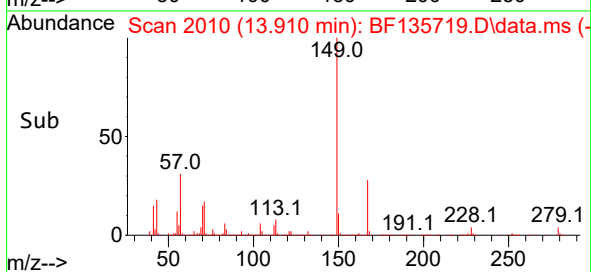
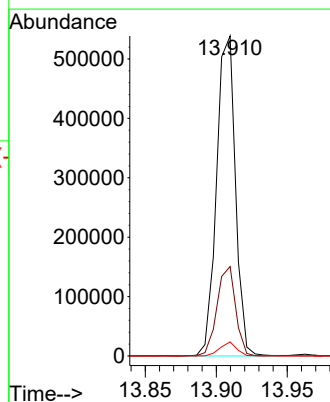
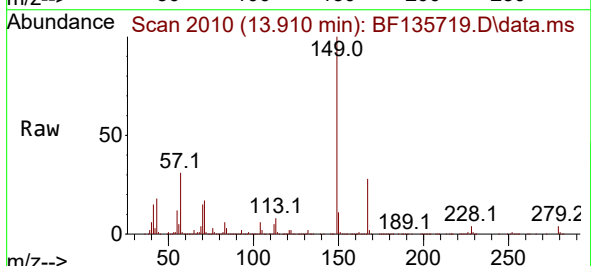
Tgt Ion:149 Resp: 497437

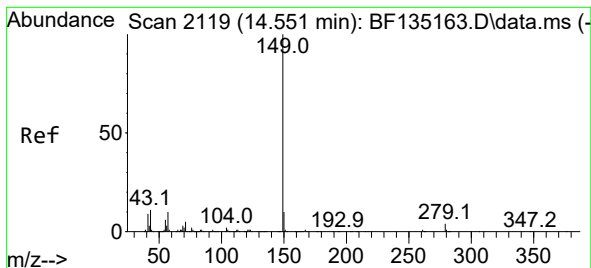
Ion Ratio Lower Upper

149 100

167 28.0 21.9 32.9

279 4.4 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 90.197 ng

RT: 14.521 min Scan# 2114

Delta R.T. -0.006 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

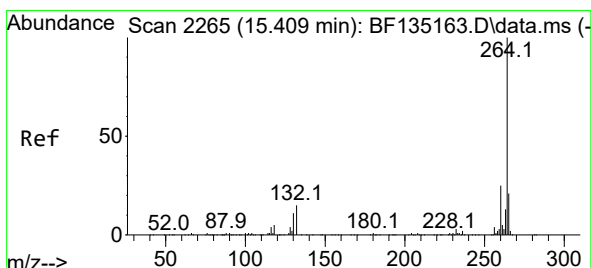
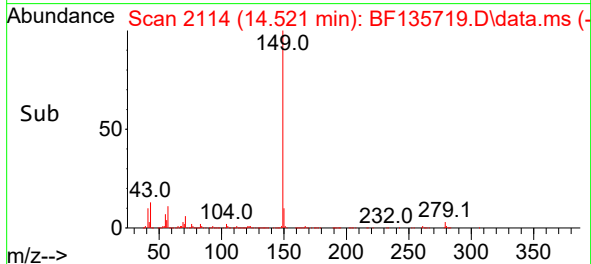
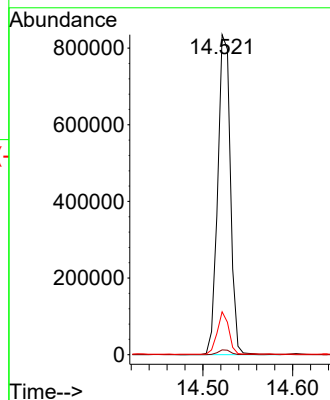
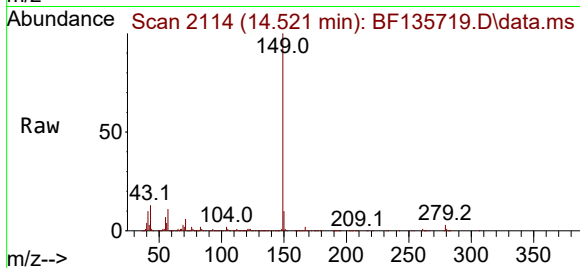
Tgt Ion:149 Resp: 817889

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

43 12.1 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2264

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

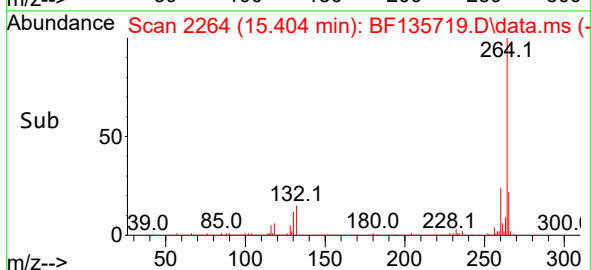
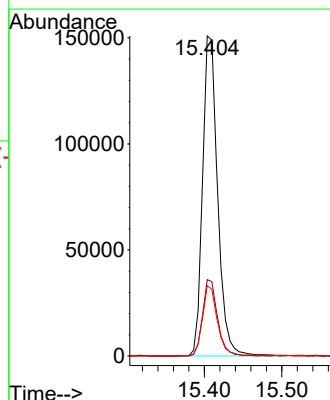
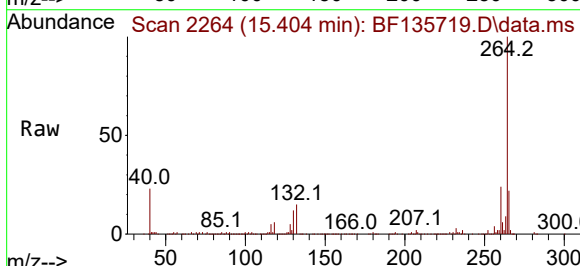
Tgt Ion:264 Resp: 203926

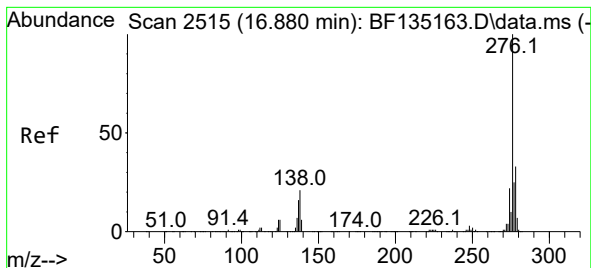
Ion Ratio Lower Upper

264 100

260 23.8 19.8 29.6

265 22.0 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.381 ng

RT: 16.915 min Scan# 2192

Delta R.T. 0.012 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

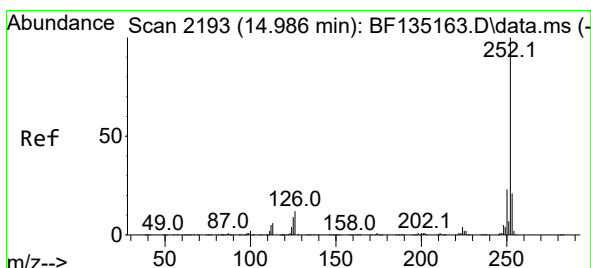
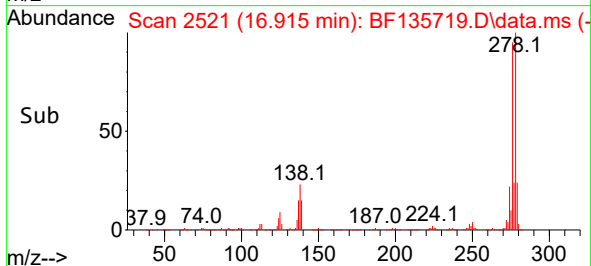
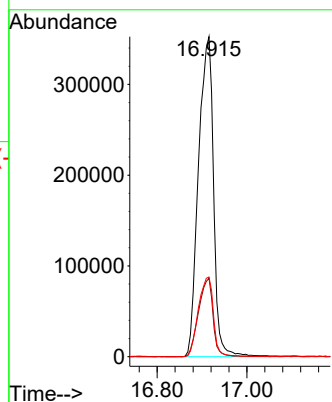
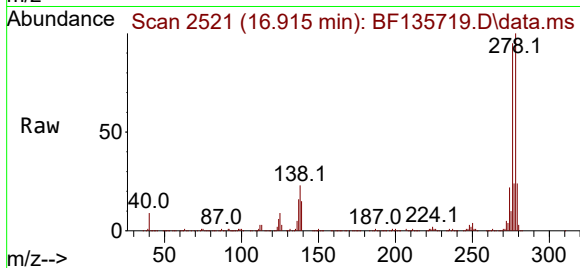
Tgt Ion:276 Resp: 820712

Ion Ratio Lower Upper

276 100

138 23.5 19.2 28.8

277 24.9 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 58.607 ng

RT: 14.980 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

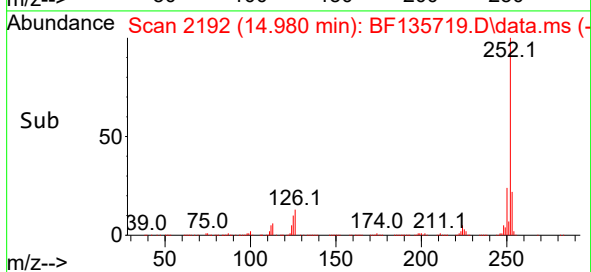
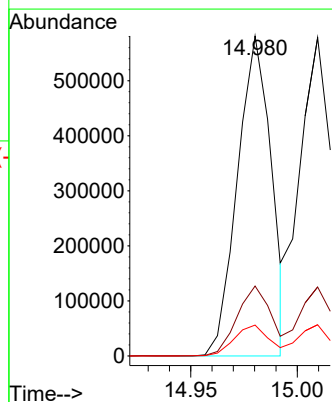
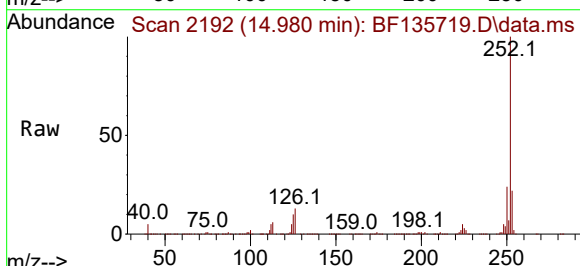
Tgt Ion:252 Resp: 646982

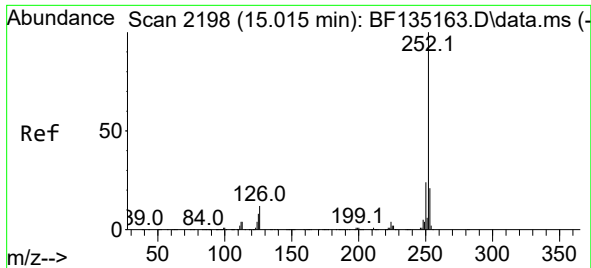
Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 9.7 7.1 10.7

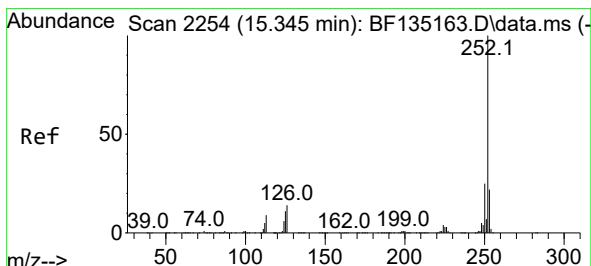
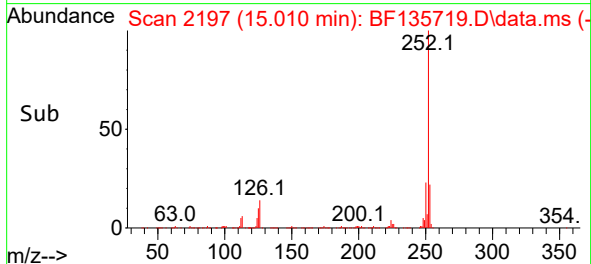
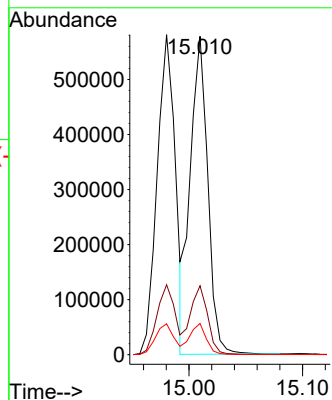
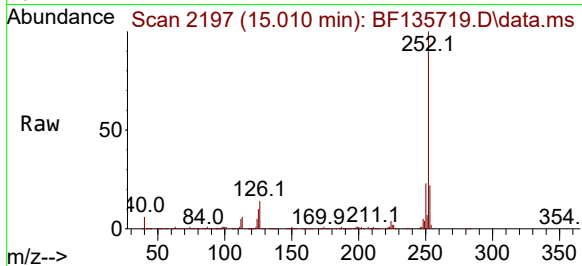




#89
Benzo(k)fluoranthene
Concen: 56.625 ng
RT: 15.010 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

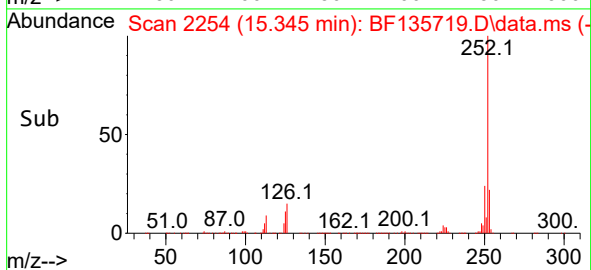
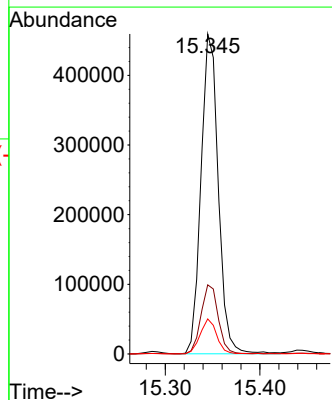
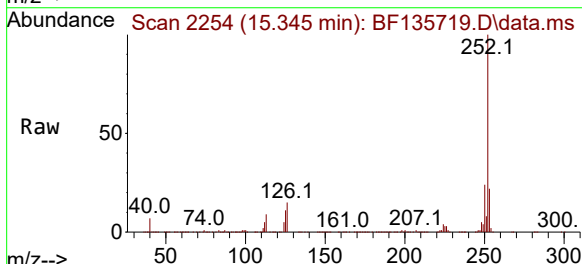
Instrument :
BNA_F
ClientSampleId :
VNJ-223MSD

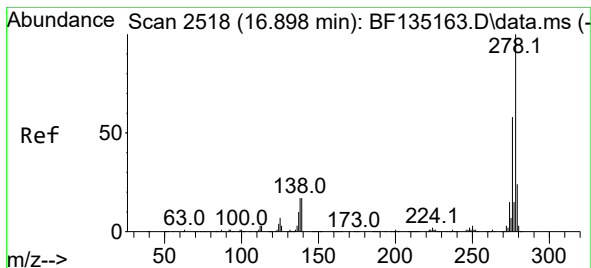
Tgt Ion:252 Resp: 617484
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 9.8 7.2 10.8



#90
Benzo(a)pyrene
Concen: 55.259 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BF135719.D
Acq: 11 Oct 2023 18:14

Tgt Ion:252 Resp: 581735
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.9 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 61.250 ng

RT: 16.915 min Scan# 2521

Delta R.T. 0.006 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Instrument :

BNA_F

ClientSampleId :

VNJ-223MSD

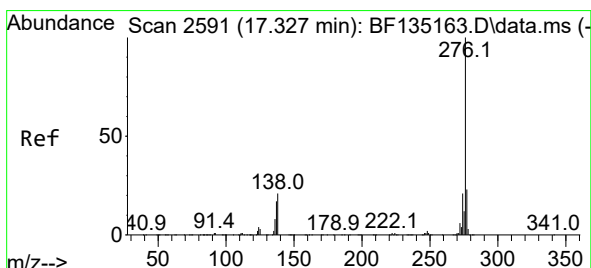
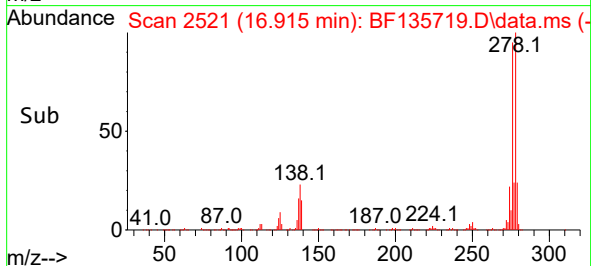
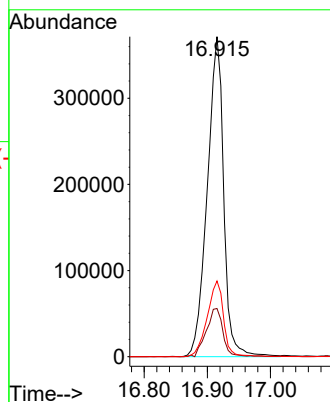
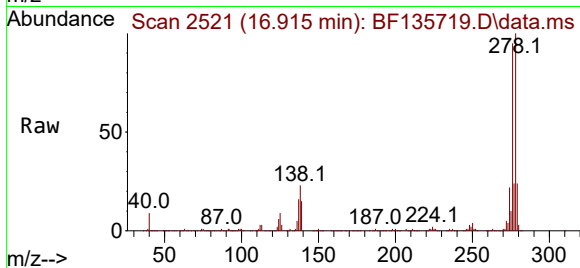
Tgt Ion:278 Resp: 670086

Ion Ratio Lower Upper

278 100

139 15.1 13.4 20.0

279 23.6 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 60.268 ng

RT: 17.357 min Scan# 2596

Delta R.T. 0.006 min

Lab File: BF135719.D

Acq: 11 Oct 2023 18:14

Tgt Ion:276 Resp: 688592

Ion Ratio Lower Upper

276 100

277 24.0 18.8 28.2

138 20.0 16.9 25.3

