

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120723\
 Data File : BF136460.D
 Acq On : 07 Dec 2023 22:12
 Operator : CG\JU
 Sample : 05629-01MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216MS

Quant Time: Dec 08 00:44:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	115707	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	414668	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	180237	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	244586	20.000	ng	0.00
76) Chrysene-d12	13.986	240	228403	20.000	ng	0.00
86) Perylene-d12	15.463	264	212595	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	775221	98.945	ng	0.02
7) Phenol-d6	6.451	99	918473	93.960	ng	0.00
23) Nitrobenzene-d5	7.363	82	548563	71.516	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	169248	76.158	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	906630	68.637	ng	0.00
79) Terphenyl-d14	12.922	244	817408	47.170	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.640	88	117676	37.973	ng	98
3) Pyridine	3.399	79	280015	37.312	ng	98
4) n-Nitrosodimethylamine	3.369	42	135216	41.472	ng	100
6) Aniline	6.469	93	192778	19.514	ng	# 1
8) 2-Chlorophenol	6.593	128	352194	41.176	ng	98
9) Benzaldehyde	6.351	77	137095	25.404	ng	97
10) Phenol	6.463	94	402331	38.679	ng	87
11) bis(2-Chloroethyl)ether	6.540	93	315436	40.684	ng	99
12) 1,3-Dichlorobenzene	6.740	146	374620	38.946	ng	97
13) 1,4-Dichlorobenzene	6.816	146	381435	39.091	ng	98
14) 1,2-Dichlorobenzene	6.969	146	358450	39.065	ng	99
15) Benzyl Alcohol	6.945	79	273744	41.820	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.081	45	387507	38.860	ng	95
17) 2-Methylphenol	7.063	107	269458	38.994	ng	95
18) Hexachloroethane	7.310	117	127120	37.314	ng	91
19) n-Nitroso-di-n-propyla...	7.216	70	219577	38.940	ng	99
20) 3+4-Methylphenols	7.216	107	329544	38.421	ng	# 88
22) Acetophenone	7.210	105	472872	46.180	ng	# 97
24) Nitrobenzene	7.387	77	323451	41.918	ng	93
25) Isophorone	7.622	82	583779	42.362	ng	97
26) 2-Nitrophenol	7.698	139	159687	42.095	ng	98
27) 2,4-Dimethylphenol	7.745	122	250041	53.455	ng	97
28) bis(2-Chloroethoxy)met...	7.840	93	378320	44.676	ng	98
29) 2,4-Dichlorophenol	7.945	162	259471	42.025	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	302544	42.024	ng	98
31) Naphthalene	8.116	128	5169620	226.071	ng	96
32) Benzoic acid	7.863	122	113280	24.413	ng	98
33) 4-Chloroaniline	8.151	127	66102	8.108	ng	97
34) Hexachlorobutadiene	8.216	225	174842	40.978	ng	99
35) Caprolactam	8.528	113	73265	38.533	ng	95
36) 4-Chloro-3-methylphenol	8.645	107	243042	37.074	ng	99
37) 2-Methylnaphthalene	8.804	142	2497690	171.687	ng	100
38) 1-Methylnaphthalene	8.898	142	1543479	108.120	ng	99
40) 1,2,4,5-Tetrachloroben...	8.957	216	268809	47.938	ng	100
41) Hexachlorocyclopentadiene	8.945	237	137509	66.193	ng	96
43) 2,4,6-Trichlorophenol	9.075	196	156083	42.749	ng	99

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	157188	38.573	ng	96
46) 1,1'-Biphenyl	9.263	154	1374107	89.598	ng	100
47) 2-Chloronaphthalene	9.281	162	502124	42.066	ng	97
48) 2-Nitroaniline	9.386	65	132413	41.361	ng	93
49) Acenaphthylene	9.698	152	751295	44.183	ng	98
50) Dimethylphthalate	9.563	163	561189	42.291	ng	100
51) 2,6-Dinitrotoluene	9.634	165	111628	37.392	ng	90
52) Acenaphthene	9.881	154	2097795	192.523	ng	97
53) 3-Nitroaniline	9.798	138	73514	24.115	ng	95
54) 2,4-Dinitrophenol	9.916	184	29141	19.307	ng	# 71
55) Dibenzofuran	10.057	168	3155779	198.250	ng	98
56) 4-Nitrophenol	9.969	139	171192	74.910	ng	96
57) 2,4-Dinitrotoluene	10.039	165	136905	34.667	ng	# 72
58) Fluorene	10.404	166	2672350	209.136	ng	95
59) 2,3,4,6-Tetrachlorophenol	10.169	232	111895	34.280	ng	# 77
60) Diethylphthalate	10.269	149	483976	37.091	ng	99
61) 4-Chlorophenyl-phenylether	10.386	204	200878	32.248	ng	98
62) 4-Nitroaniline	10.410	138	99603	32.905	ng	100
63) Azobenzene	10.545	77	397933	33.505	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.445	198	24140	15.937	ng	82
66) n-Nitrosodiphenylamine	10.504	169	522058	66.519	ng	90
67) 4-Bromophenyl-phenylether	10.875	248	127402	44.801	ng	100
68) Hexachlorobenzene	10.945	284	134271	40.853	ng	94
69) Atrazine	11.039	200	119358	53.284	ng	95
70) Pentachlorophenol	11.145	266	161382	87.001	ng	100
71) Phenanthrene	11.380	178	6176070	459.408	ng	97
72) Anthracene	11.416	178	1554359	114.793	ng	99
73) Carbazole	11.569	167	851180	71.024	ng	99
74) Di-n-butylphthalate	11.898	149	633174	43.097	ng	99
75) Fluoranthene	12.563	202	3670267	260.522	ng	98
77) Benzidine	12.680	184	321469	51.550	ng	98
78) Pyrene	12.792	202	2759285	123.354	ng	99
80) Butylbenzylphthalate	13.404	149	292011	36.671	ng	97
81) Benzo(a)anthracene	13.974	228	1353809	85.093	ng	98
82) 3,3'-Dichlorobenzidine	13.939	252	112149	25.141	ng	99
83) Chrysene	14.016	228	1126887	71.992	ng	98
84) Bis(2-ethylhexyl)phtha...	13.969	149	403718	41.357	ng	99
85) Di-n-octyl phthalate	14.580	149	778956	54.022	ng	99
87) Indeno(1,2,3-cd)pyrene	16.968	276	526418	35.642	ng	99
88) Benzo(b)fluoranthene	15.027	252	819313	56.366	ng	98
89) Benzo(k)fluoranthene	15.057	252	629764	45.973	ng	99
90) Benzo(a)pyrene	15.398	252	592426	49.352	ng	99
91) Dibenzo(a,h)anthracene	16.986	278	430055	35.543	ng	97
92) Benzo(g,h,i)perylene	17.421	276	396639	31.938	ng	99

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

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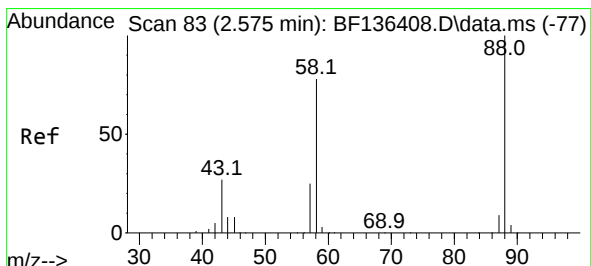
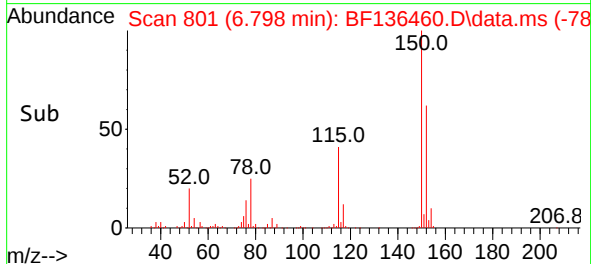
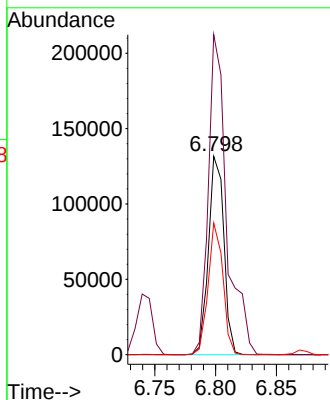
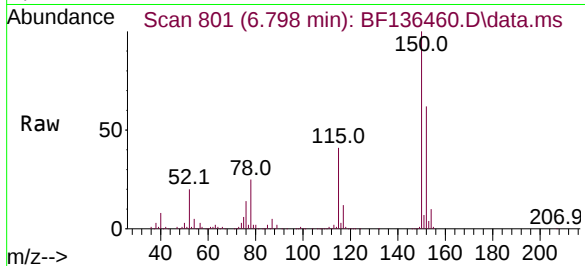




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

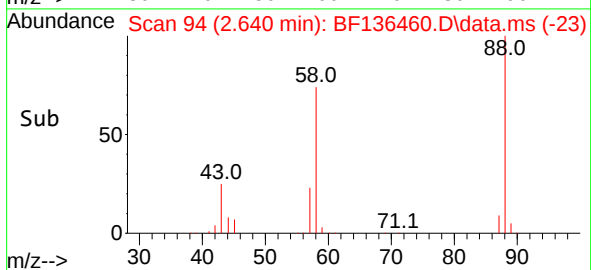
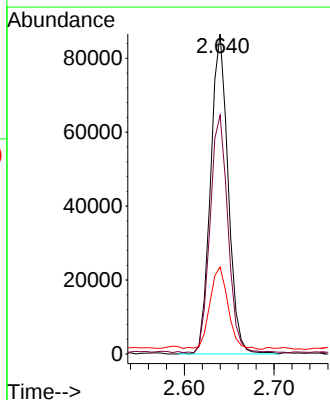
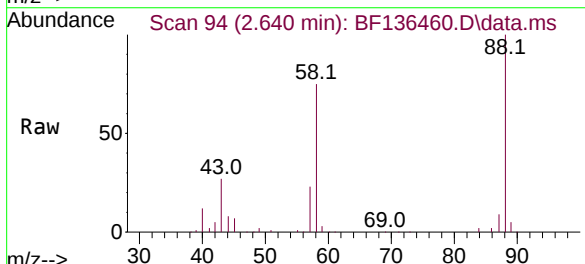
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

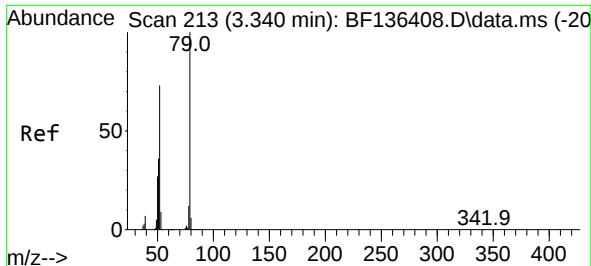
Tgt Ion:152 Resp: 115707
Ion Ratio Lower Upper
152 100
150 161.2 126.4 189.6
115 66.4 48.2 72.4



#2
1,4-Dioxane
Concen: 37.973 ng
RT: 2.640 min Scan# 94
Delta R.T. 0.065 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion: 88 Resp: 117676
Ion Ratio Lower Upper
88 100
58 75.4 62.2 93.2
43 26.4 21.5 32.3

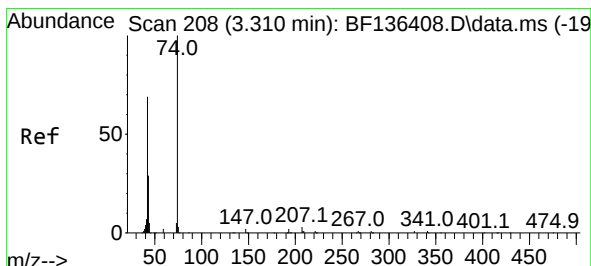
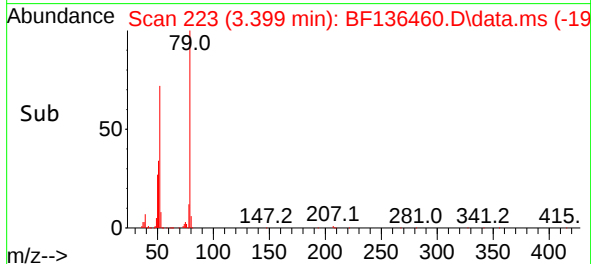
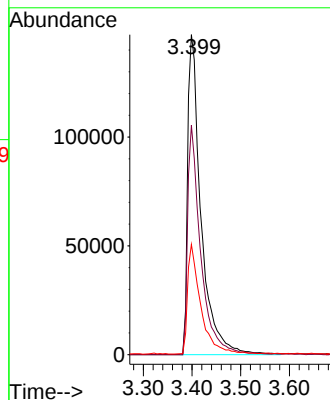
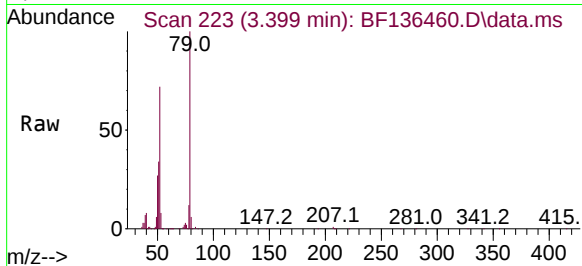




#3
Pyridine
Concen: 37.312 ng
RT: 3.399 min Scan# 213
Delta R.T. 0.059 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

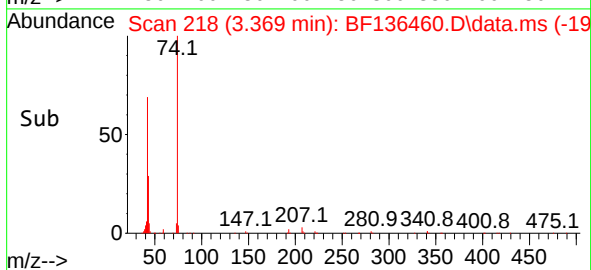
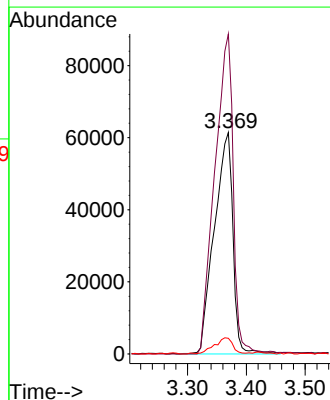
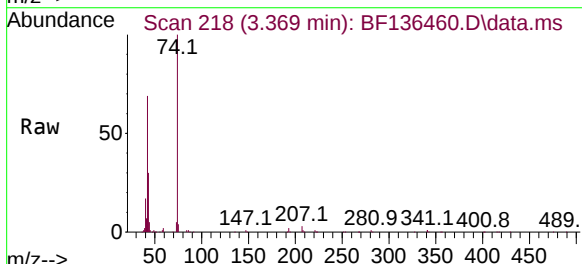
Instrument :
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ClientSampleId :
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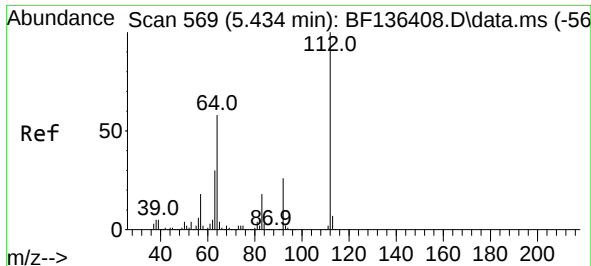
Tgt Ion: 79 Resp: 280015
Ion Ratio Lower Upper
79 100
52 71.7 58.2 87.2
51 34.5 29.1 43.7



#4
n-Nitrosodimethylamine
Concen: 41.472 ng
RT: 3.369 min Scan# 218
Delta R.T. 0.059 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion: 42 Resp: 135216
Ion Ratio Lower Upper
42 100
74 144.5 115.4 173.0
44 7.1 6.2 9.2

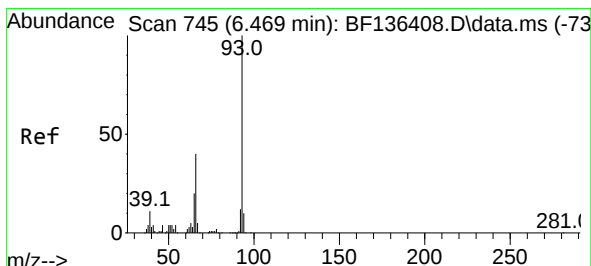
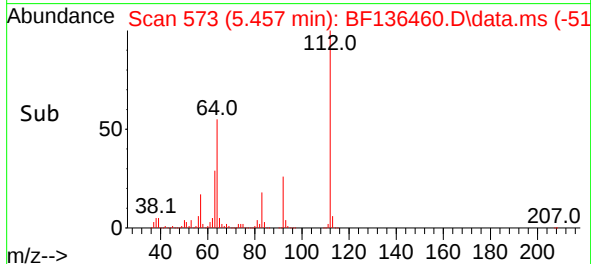
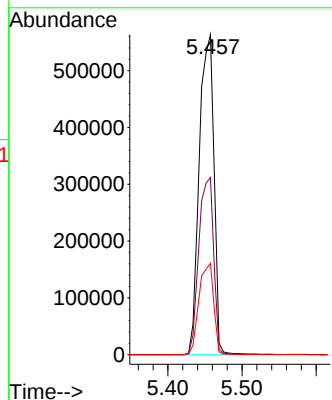
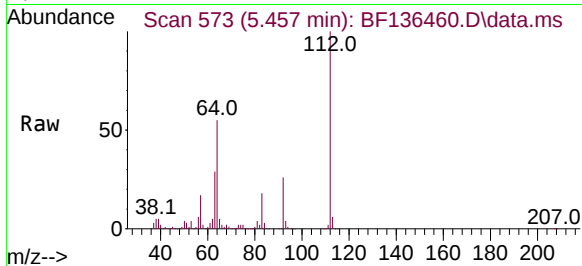




#5
2-Fluorophenol
Concen: 98.945 ng
RT: 5.457 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

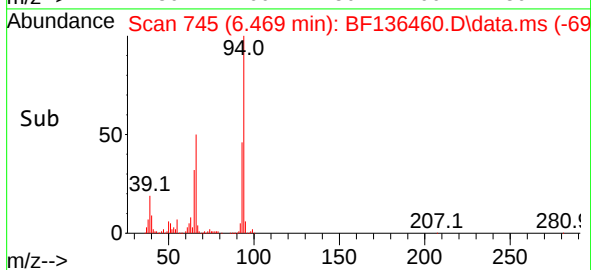
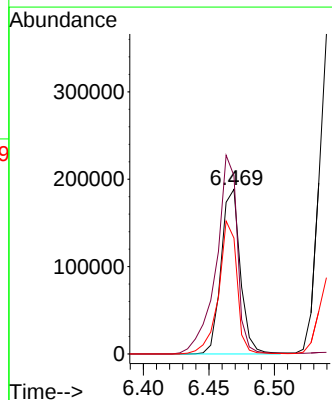
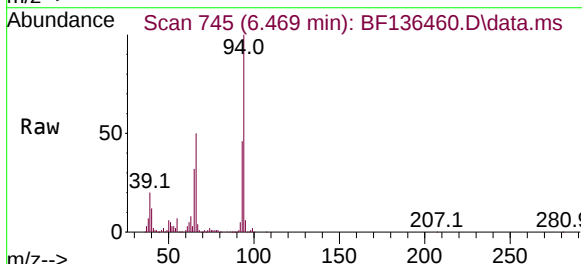
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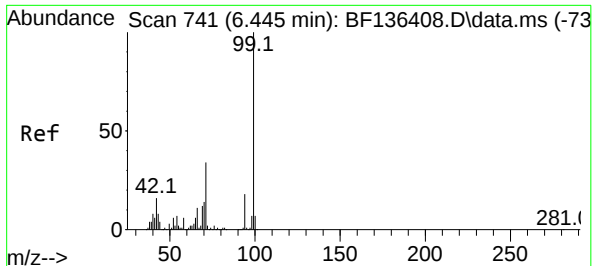
Tgt Ion:112 Resp: 775221
Ion Ratio Lower Upper
112 100
64 55.4 46.5 69.7
63 28.6 23.9 35.9



#6
Aniline
Concen: 19.514 ng
RT: 6.469 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion: 93 Resp: 192778
Ion Ratio Lower Upper
93 100
66 108.3 32.5 48.7#
65 70.4 16.4 24.6#

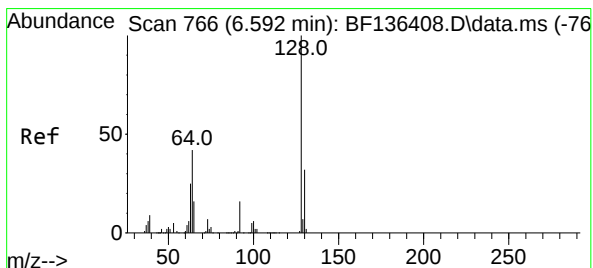
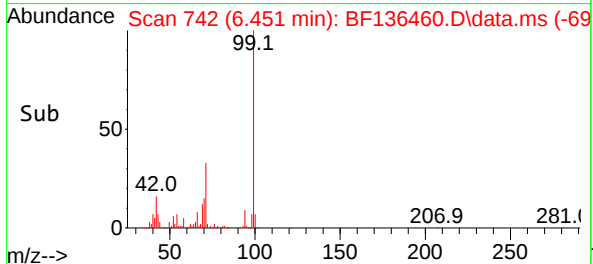
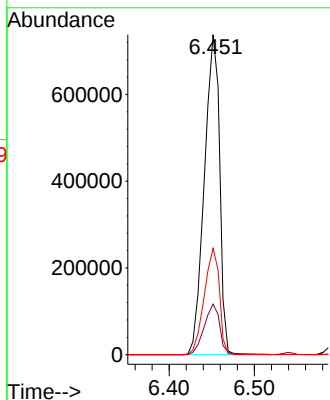
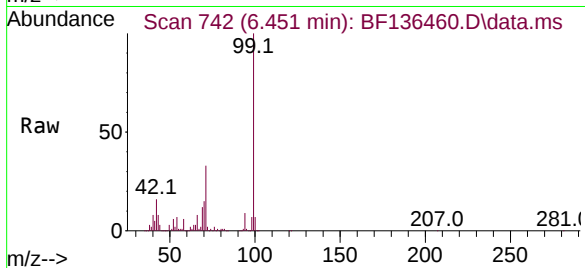




#7
Phenol-d6
Concen: 93.960 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

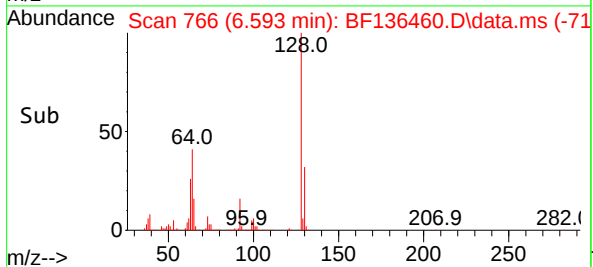
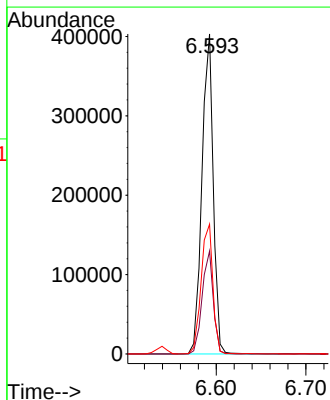
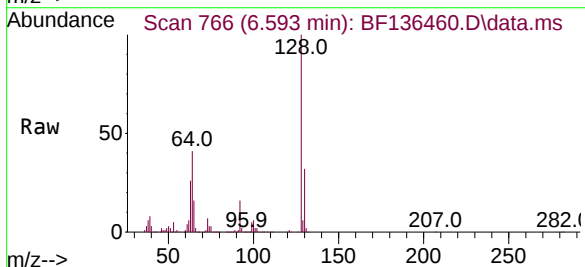
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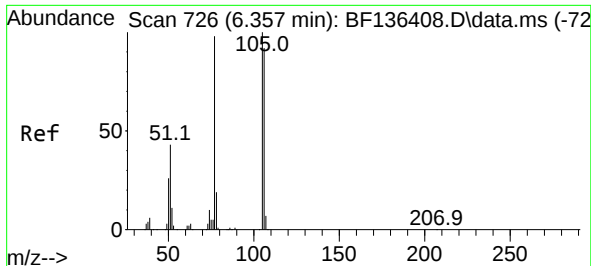
Tgt Ion: 99 Resp: 918473
Ion Ratio Lower Upper
99 100
42 15.8 12.8 19.2
71 33.2 27.0 40.4



#8
2-Chlorophenol
Concen: 41.176 ng
RT: 6.593 min Scan# 766
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:128 Resp: 352194
Ion Ratio Lower Upper
128 100
130 32.2 11.7 51.7
64 40.5 22.5 62.5





#9

Benzaldehyde

Concen: 25.404 ng

RT: 6.351 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

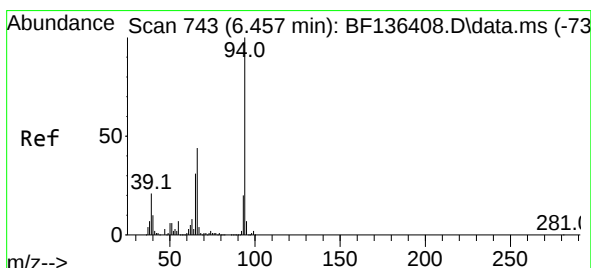
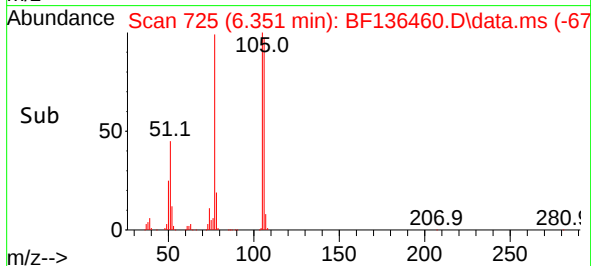
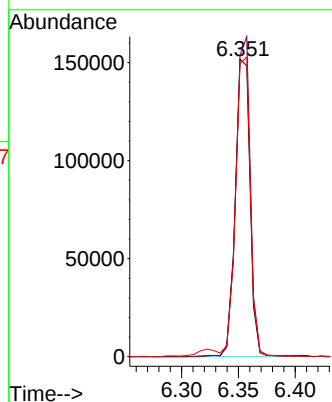
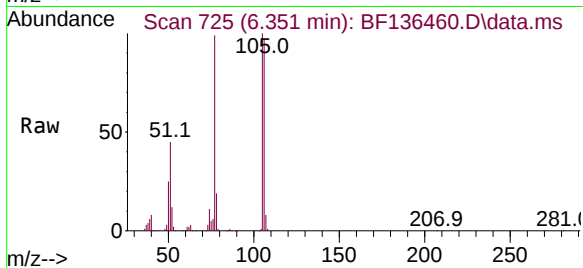
Tgt Ion: 77 Resp: 137095

Ion Ratio Lower Upper

77 100

105 101.3 82.5 122.5

106 98.5 74.5 114.5



#10

Phenol

Concen: 38.679 ng

RT: 6.463 min Scan# 744

Delta R.T. 0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

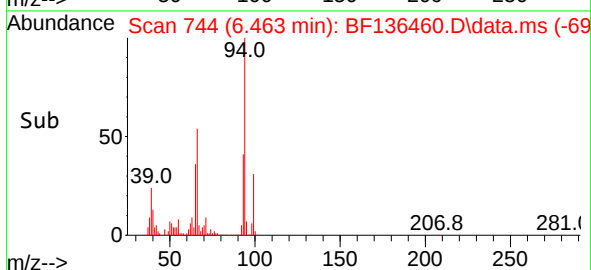
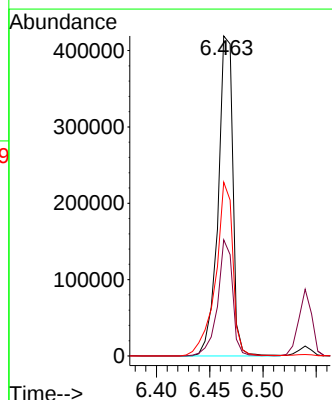
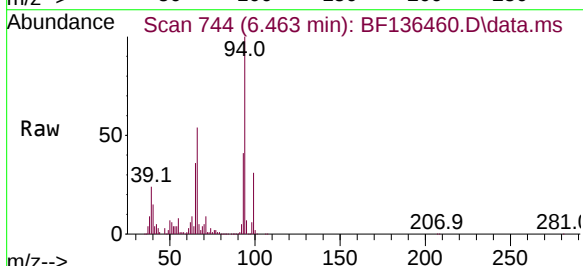
Tgt Ion: 94 Resp: 402331

Ion Ratio Lower Upper

94 100

65 36.3 11.2 51.2

66 54.3 24.2 64.2





#11

bis(2-Chloroethyl)ether

Concen: 40.684 ng

RT: 6.540 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

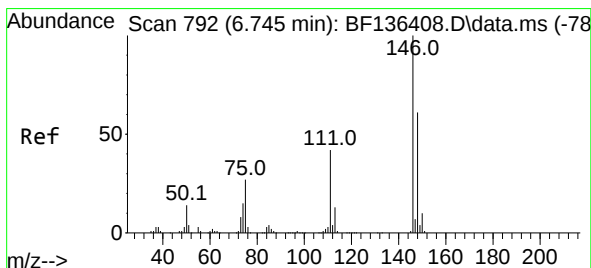
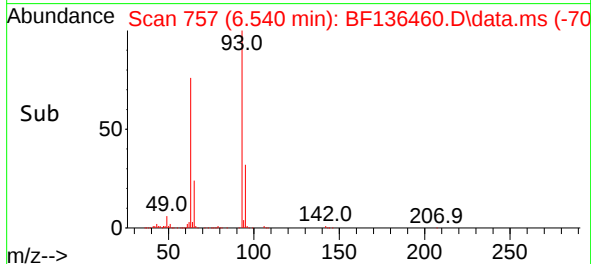
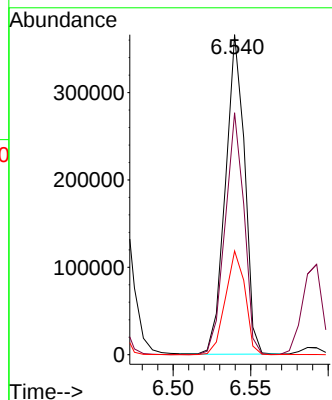
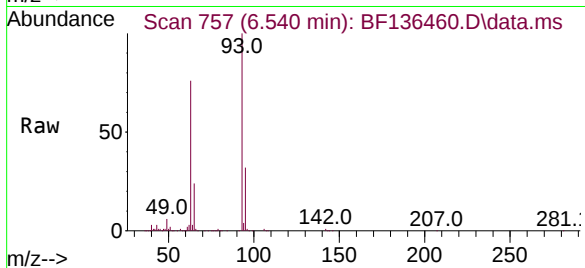
Tgt Ion: 93 Resp: 315436

Ion Ratio Lower Upper

93 100

63 75.6 56.8 96.8

95 32.4 11.8 51.8



#12

1,3-Dichlorobenzene

Concen: 38.946 ng

RT: 6.740 min Scan# 791

Delta R.T. -0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

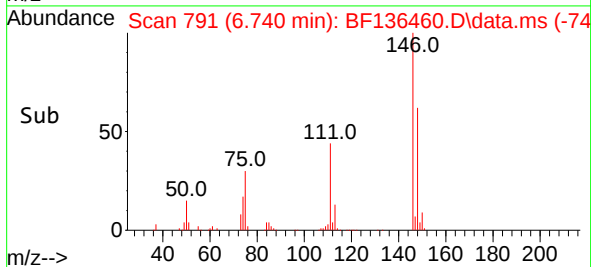
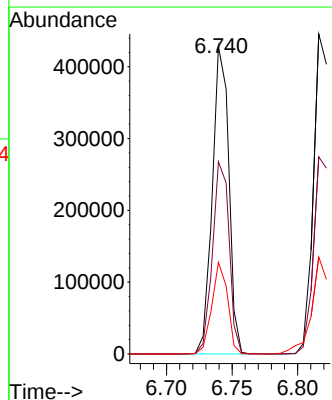
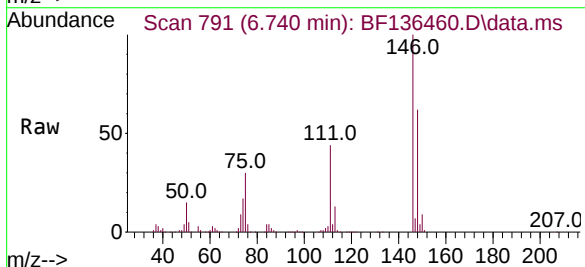
Tgt Ion:146 Resp: 374620

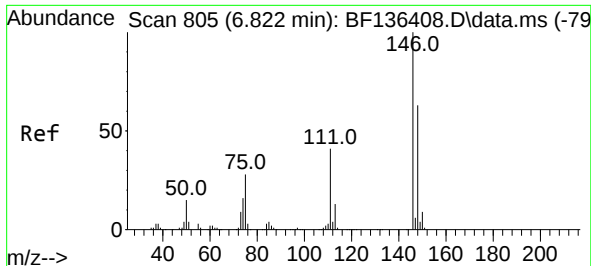
Ion Ratio Lower Upper

146 100

148 62.5 49.0 73.6

75 29.8 21.8 32.6





#13

1,4-Dichlorobenzene

Concen: 39.091 ng

RT: 6.816 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

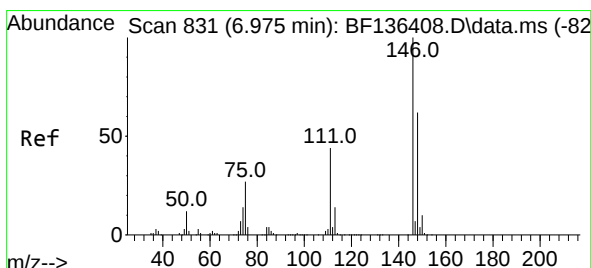
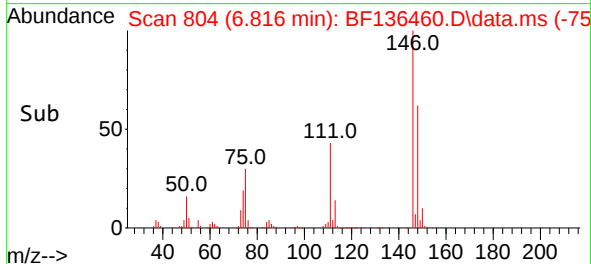
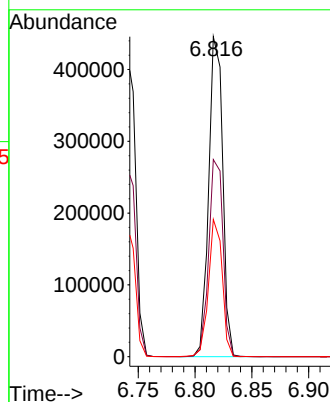
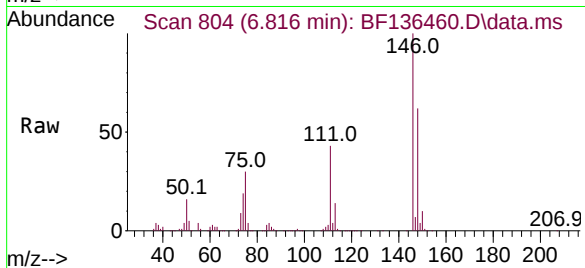
Tgt Ion:146 Resp: 381435

Ion Ratio Lower Upper

146 100

148 61.6 50.3 75.5

111 42.9 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 39.065 ng

RT: 6.969 min Scan# 830

Delta R.T. -0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

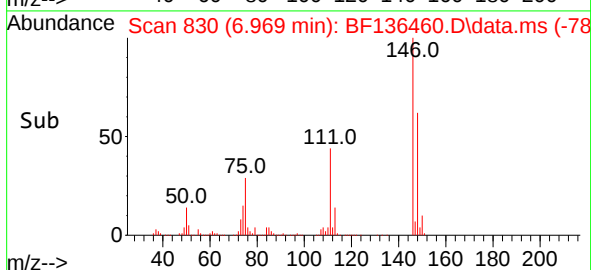
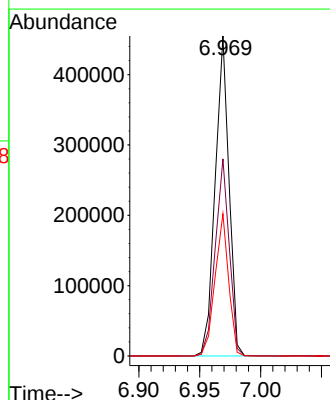
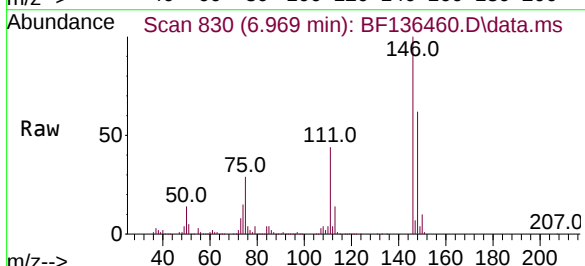
Tgt Ion:146 Resp: 358450

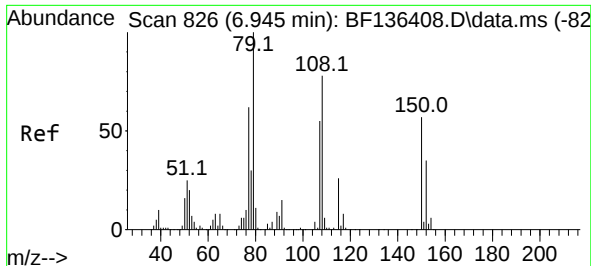
Ion Ratio Lower Upper

146 100

148 61.6 49.8 74.6

111 44.4 34.9 52.3

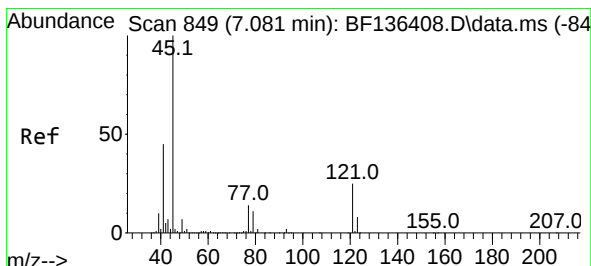
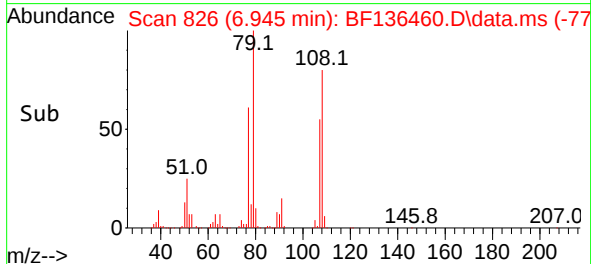
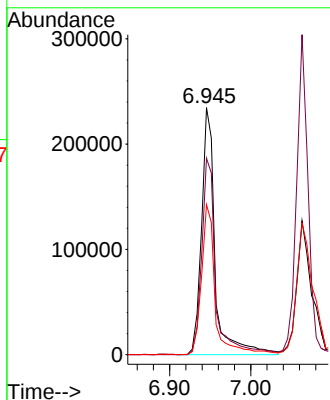
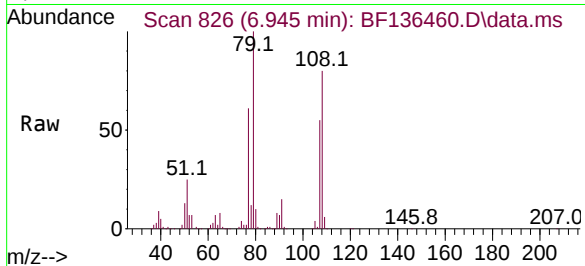




#15
Benzyl Alcohol
Concen: 41.820 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

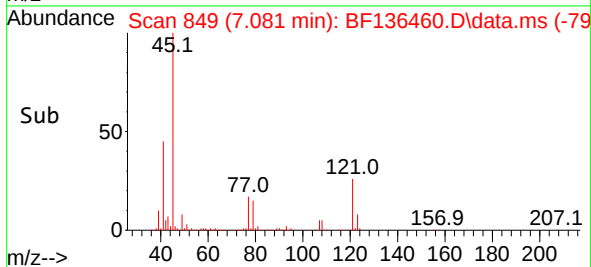
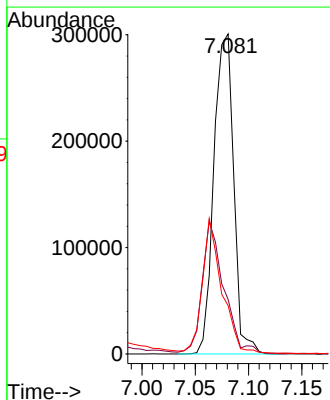
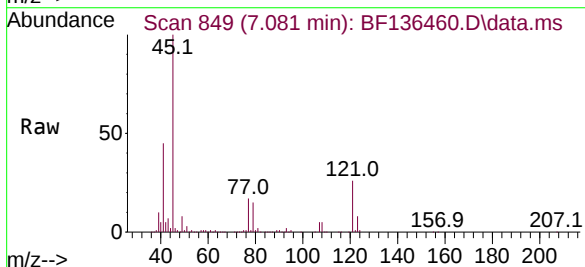
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

Tgt Ion: 79 Resp: 273744
Ion Ratio Lower Upper
79 100
108 79.5 62.3 93.5
77 60.8 49.8 74.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.860 ng
RT: 7.081 min Scan# 849
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion: 45 Resp: 387507
Ion Ratio Lower Upper
45 100
77 17.1 0.0 35.3
79 15.1 0.0 32.5

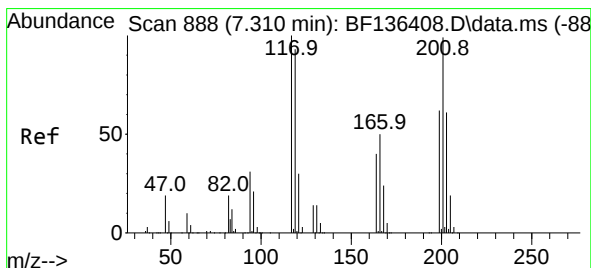
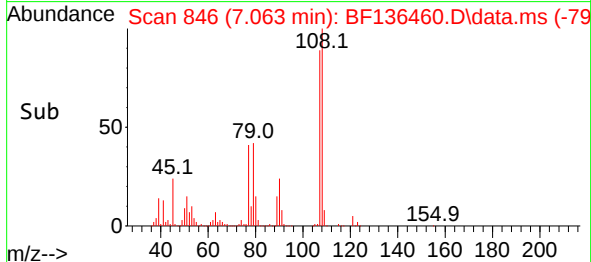
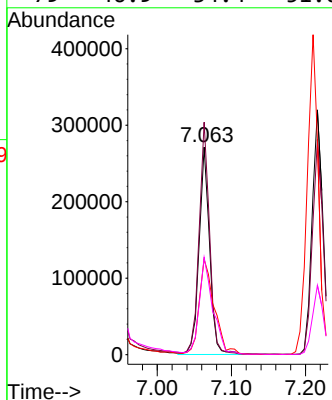
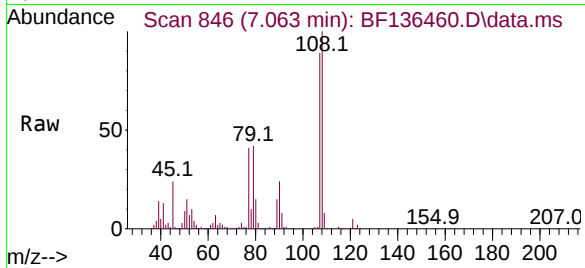




#17
2-Methylphenol
Concen: 38.994 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

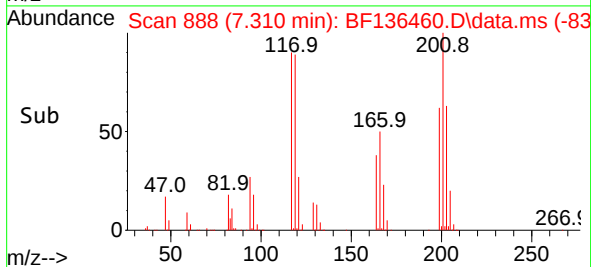
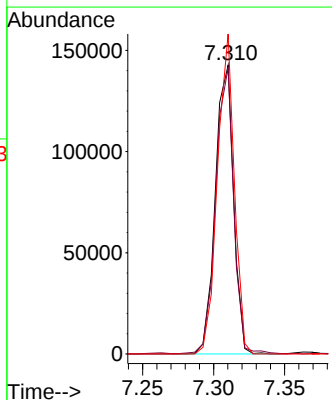
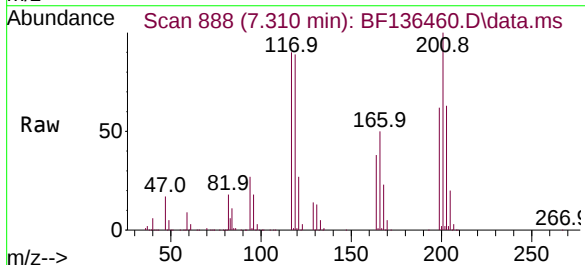
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

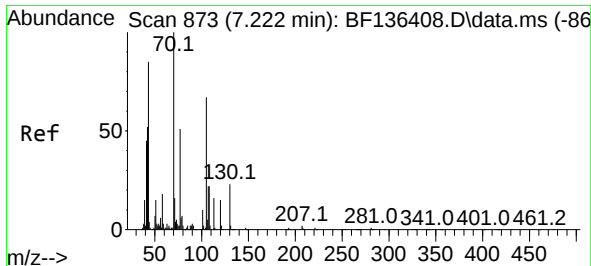
Tgt Ion:	107	Resp:	269458
Ion	Ratio	Lower	Upper
107	100		
108	112.0	86.5	129.7
77	46.0	33.8	50.8
79	46.9	34.4	51.6



#18
Hexachloroethane
Concen: 37.314 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:	117	Resp:	127120
Ion	Ratio	Lower	Upper
117	100		
119	99.1	74.3	111.5
201	110.8	79.3	118.9



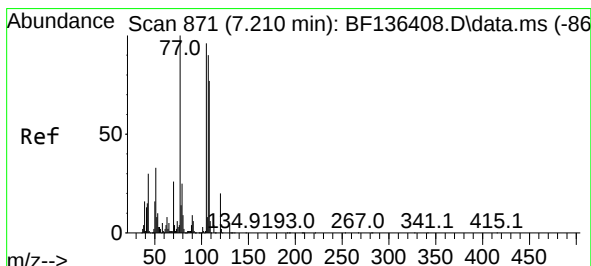
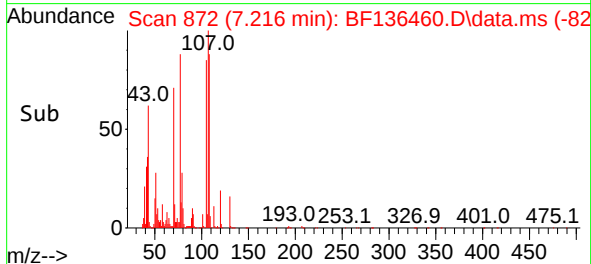
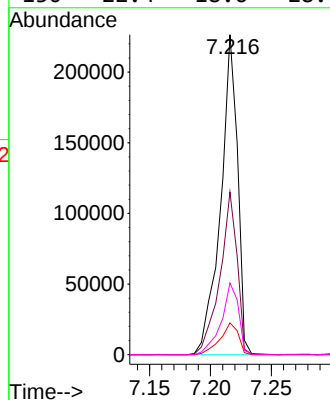
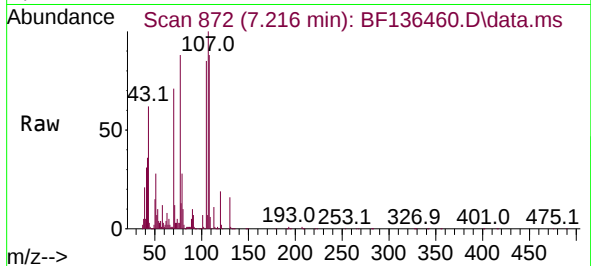


#19
n-Nitroso-di-n-propylamine
Concen: 38.940 ng
RT: 7.216 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

Tgt Ion: 70 Resp: 219577

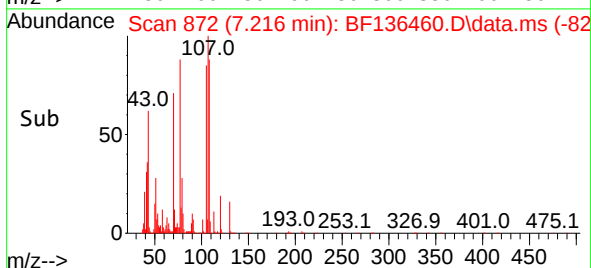
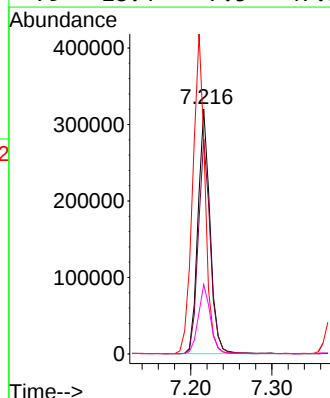
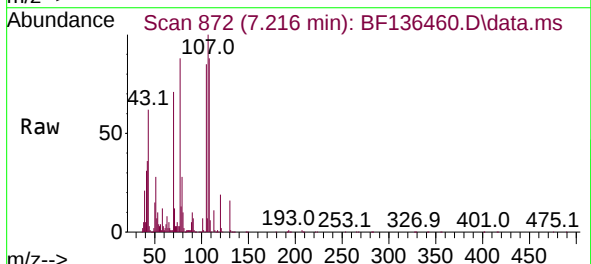
Ion	Ratio	Lower	Upper
70	100		
42	50.9	41.4	62.0
101	9.9	8.2	12.4
130	22.4	18.6	28.0

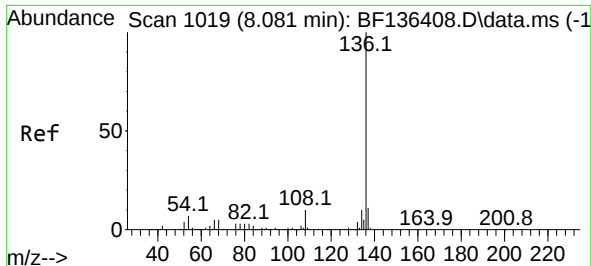


#20
3+4-Methylphenols
Concen: 38.421 ng
RT: 7.216 min Scan# 872
Delta R.T. 0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion: 107 Resp: 329544

Ion	Ratio	Lower	Upper
107	100		
108	87.9	65.9	105.9
77	87.9	91.7	131.7#
79	28.4	7.5	47.5

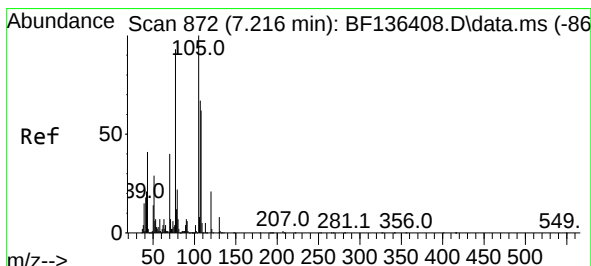
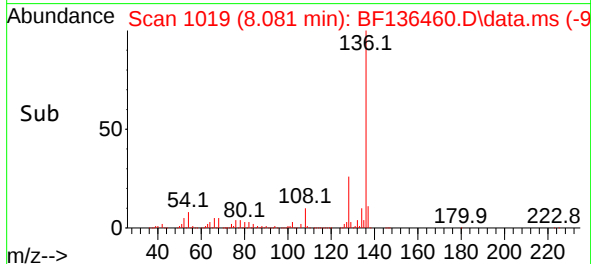
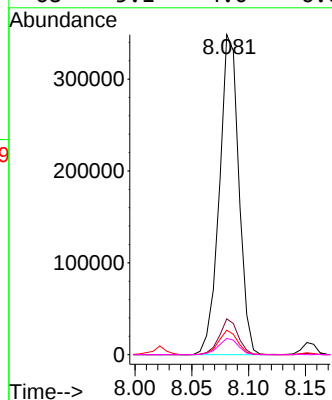
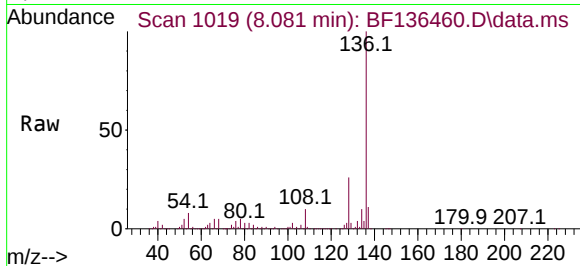




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

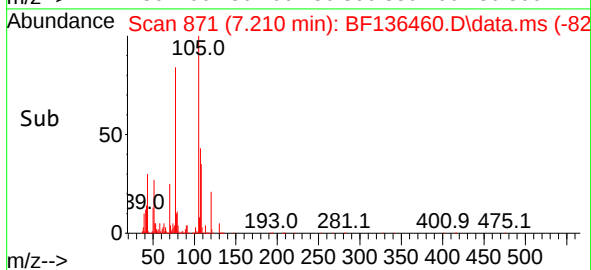
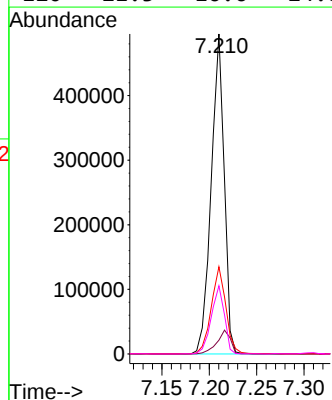
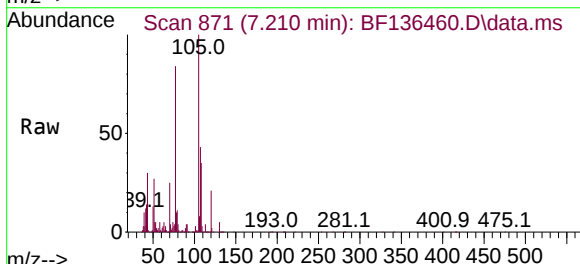
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

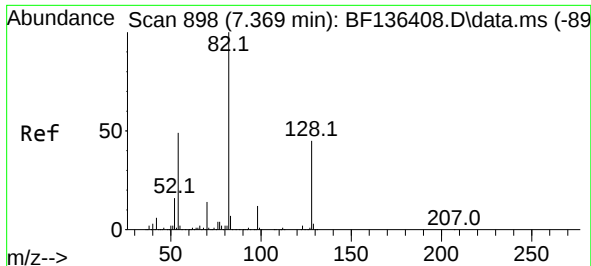
Tgt	Ion:136	Resp:	414668
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	7.7	5.7	8.5
68	5.1	4.0	6.0



#22
Acetophenone
Concen: 46.180 ng
RT: 7.210 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt	Ion:105	Resp:	472872
Ion	Ratio	Lower	Upper
105	100		
71	4.3	5.4	8.0#
51	27.2	23.4	35.2
120	21.3	16.6	24.8





#23

Nitrobenzene-d5

Concen: 71.516 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

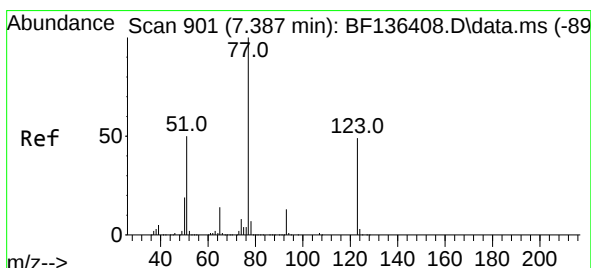
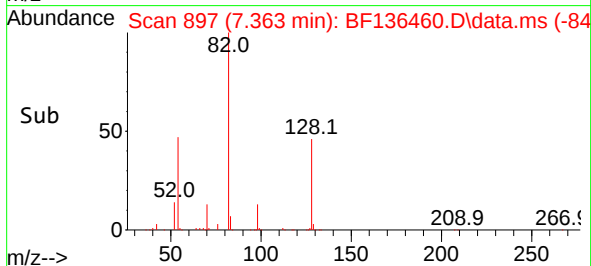
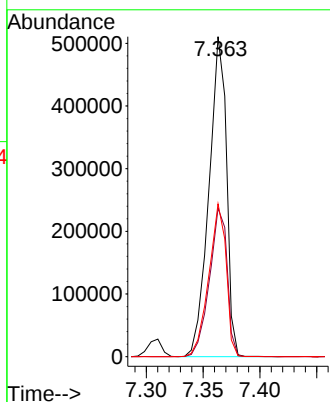
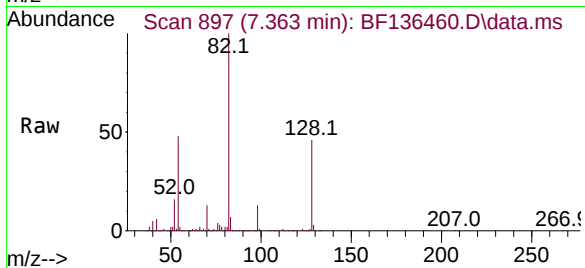
Tgt Ion: 82 Resp: 548563

Ion Ratio Lower Upper

82 100

128 46.4 36.3 54.5

54 47.8 39.0 58.6



#24

Nitrobenzene

Concen: 41.918 ng

RT: 7.387 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

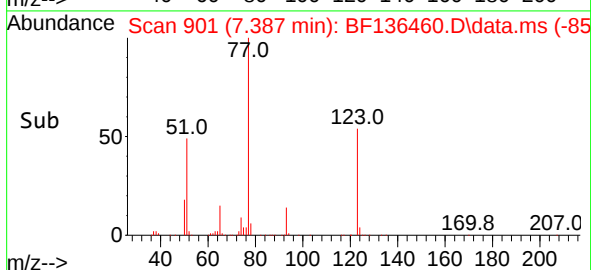
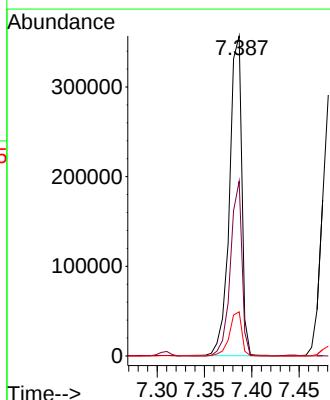
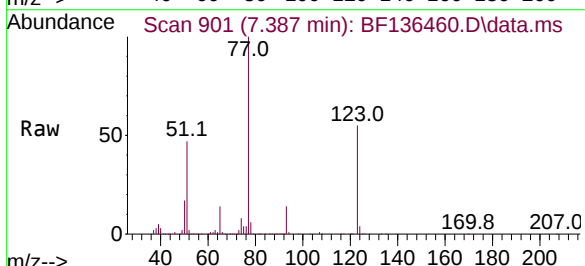
Tgt Ion: 77 Resp: 323451

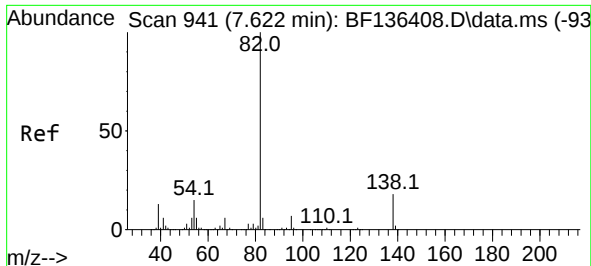
Ion Ratio Lower Upper

77 100

123 54.6 39.0 58.6

65 13.8 11.3 16.9

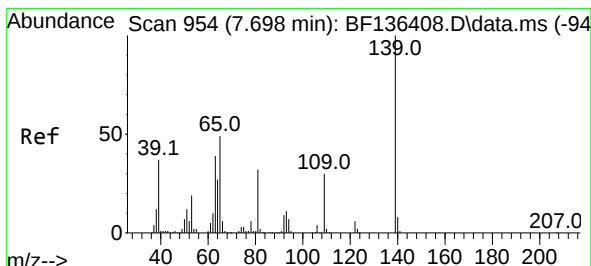
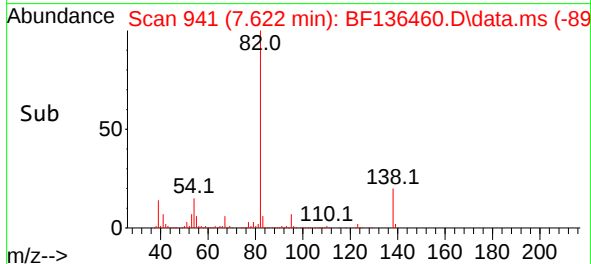
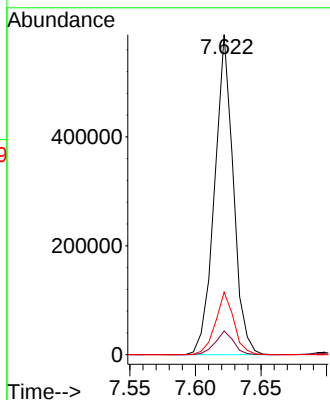
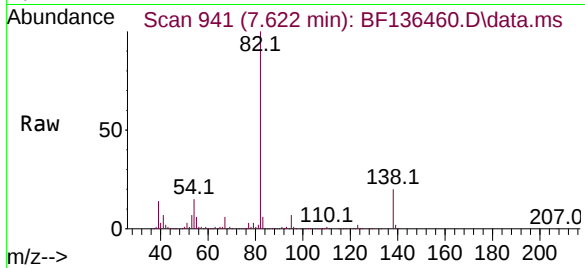




#25
Isophorone
Concen: 42.362 ng
RT: 7.622 min Scan# 941
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

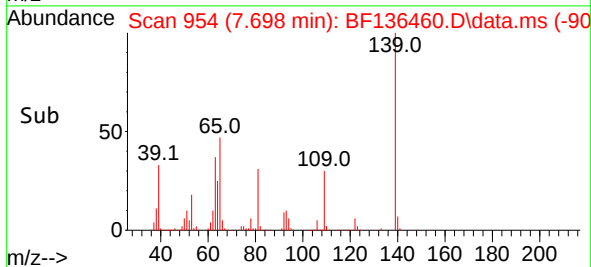
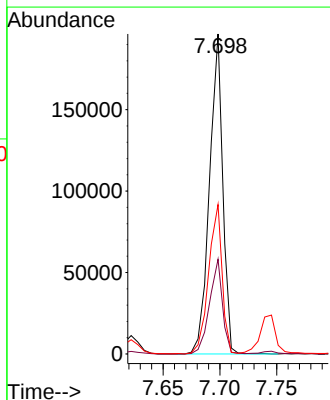
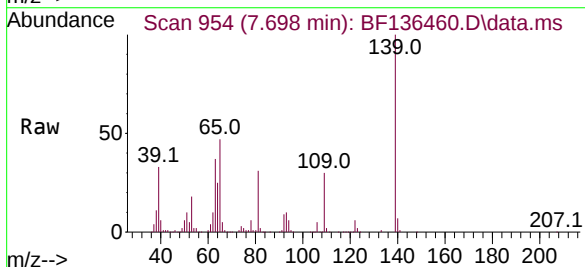
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

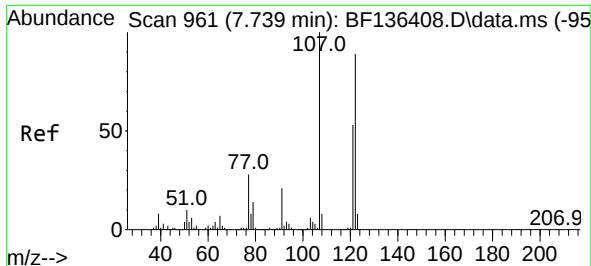
Tgt Ion: 82 Resp: 583779
Ion Ratio Lower Upper
82 100
95 7.4 5.7 8.5
138 19.5 14.5 21.7



#26
2-Nitrophenol
Concen: 42.095 ng
RT: 7.698 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:139 Resp: 159687
Ion Ratio Lower Upper
139 100
109 29.6 23.6 35.4
65 46.7 39.4 59.2





#27

2,4-Dimethylphenol

Concen: 53.455 ng

RT: 7.745 min Scan# 961

Delta R.T. 0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

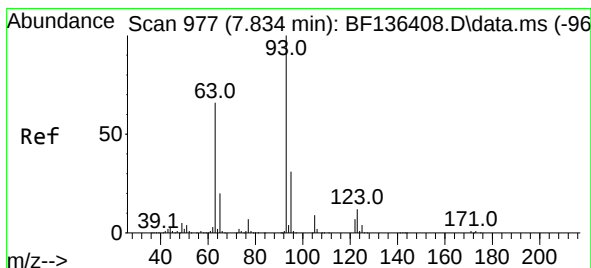
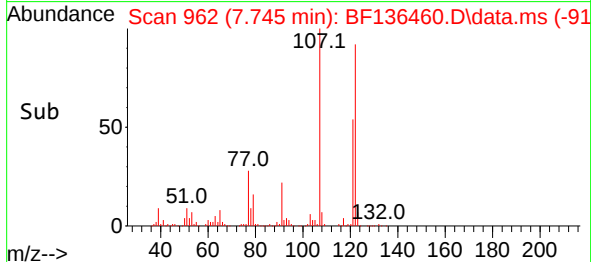
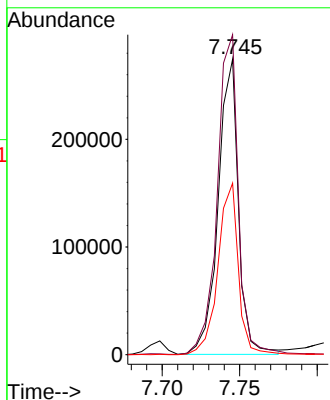
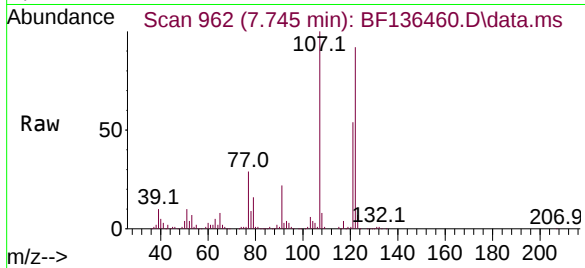
Tgt Ion:122 Resp: 250041

Ion Ratio Lower Upper

122 100

107 108.3 89.3 133.9

121 58.0 47.6 71.4



#28

bis(2-Chloroethoxy)methane

Concen: 44.676 ng

RT: 7.840 min Scan# 978

Delta R.T. 0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

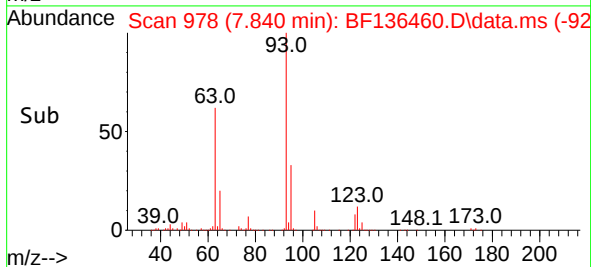
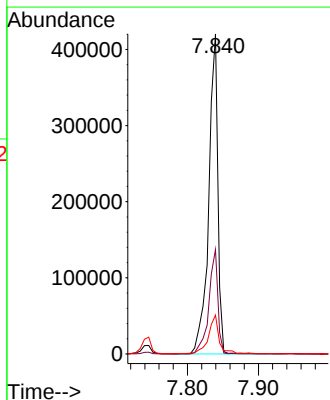
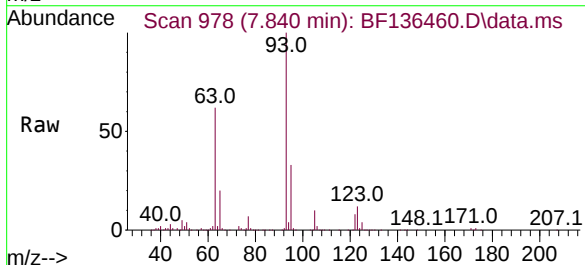
Tgt Ion: 93 Resp: 378320

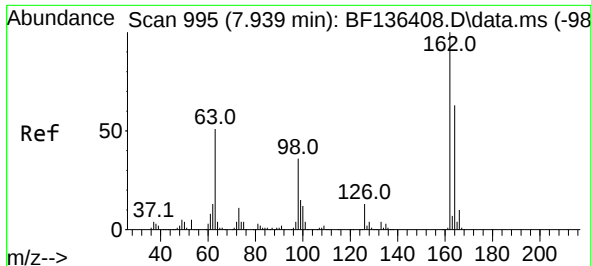
Ion Ratio Lower Upper

93 100

95 32.7 25.0 37.4

123 12.2 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 42.025 ng

RT: 7.945 min Scan# 995

Delta R.T. 0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

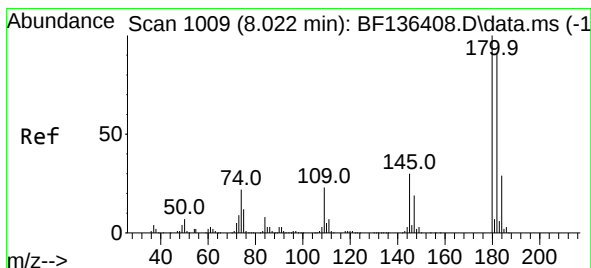
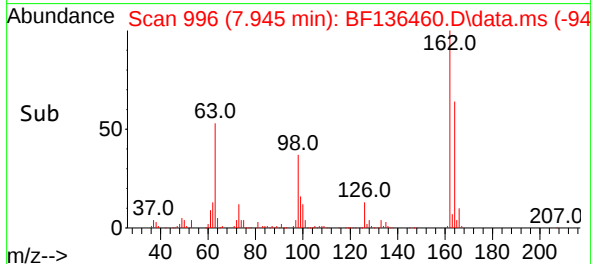
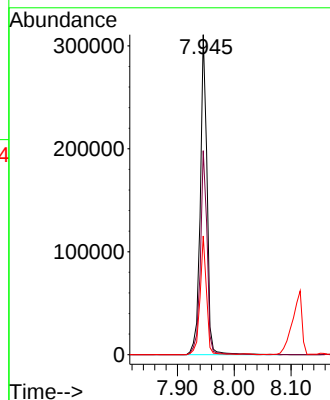
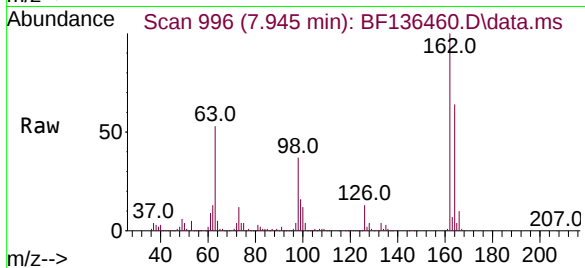
Tgt Ion:162 Resp: 259471

Ion Ratio Lower Upper

162 100

164 63.8 43.0 83.0

98 37.1 16.2 56.2



#30

1,2,4-Trichlorobenzene

Concen: 42.024 ng

RT: 8.022 min Scan# 1009

Delta R.T. 0.000 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

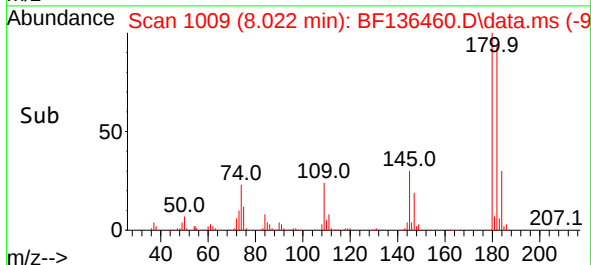
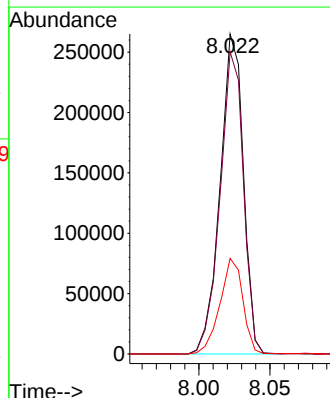
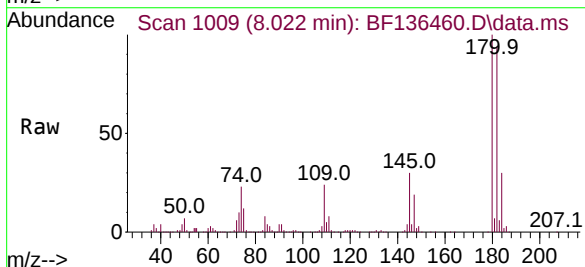
Tgt Ion:180 Resp: 302544

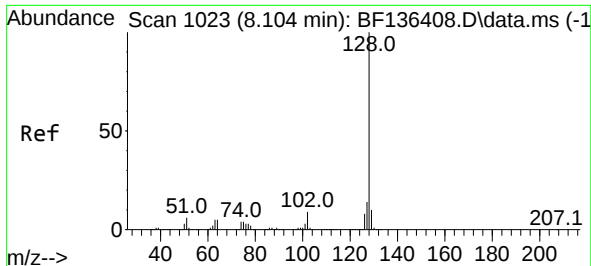
Ion Ratio Lower Upper

180 100

182 94.4 73.1 109.7

145 29.8 23.8 35.8

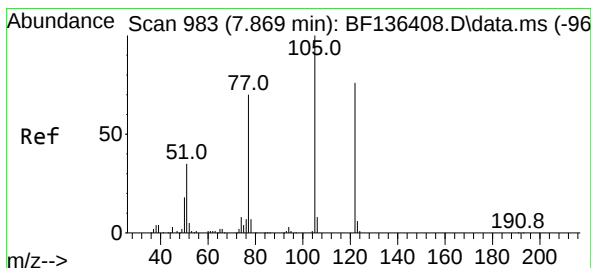
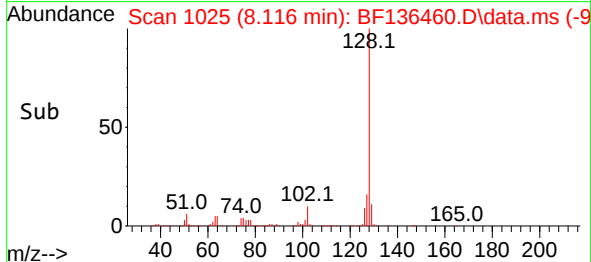
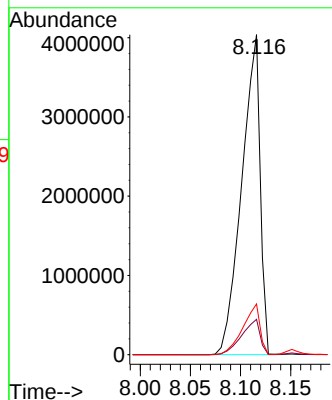
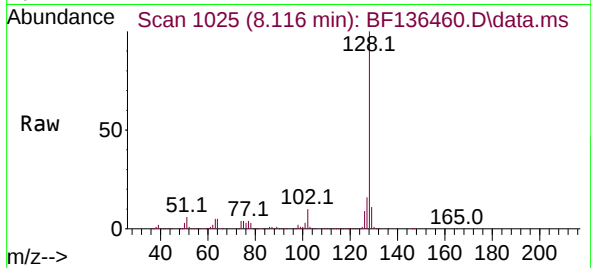




#31
Naphthalene
Concen: 226.071 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.012 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

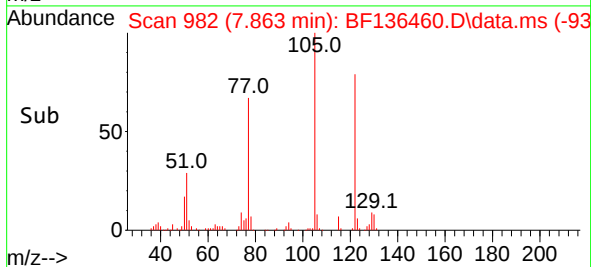
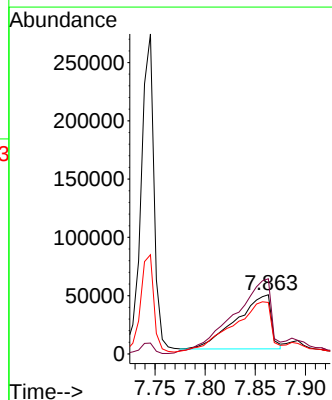
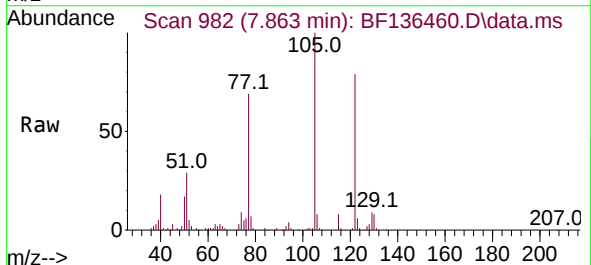
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

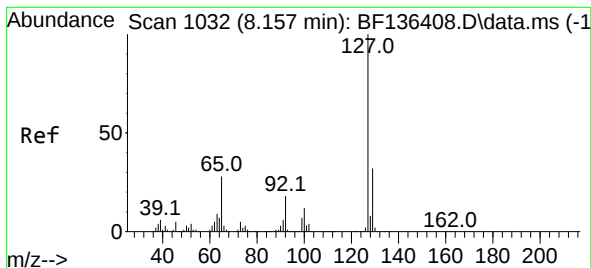
Tgt Ion:128 Resp: 5169620
Ion Ratio Lower Upper
128 100
129 11.1 8.3 12.5
127 15.9 11.1 16.7



#32
Benzoic acid
Concen: 24.413 ng
RT: 7.863 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:122 Resp: 113280
Ion Ratio Lower Upper
122 100
105 127.0 104.7 144.7
77 87.1 68.5 108.5





#33

4-Chloroaniline

Concen: 8.108 ng

RT: 8.151 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

Tgt Ion:127 Resp: 66102

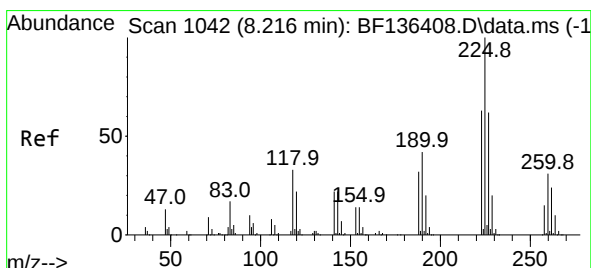
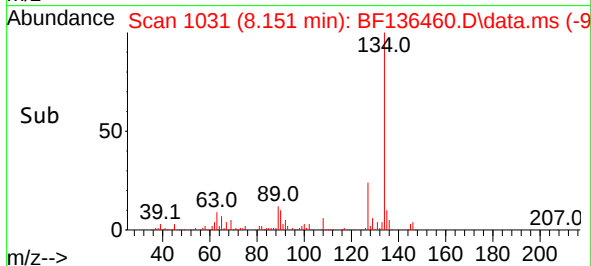
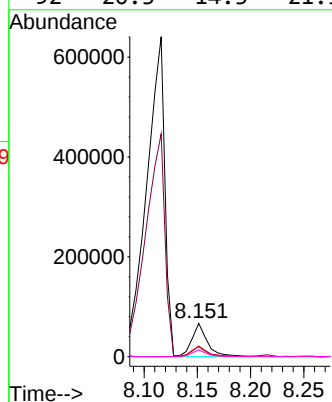
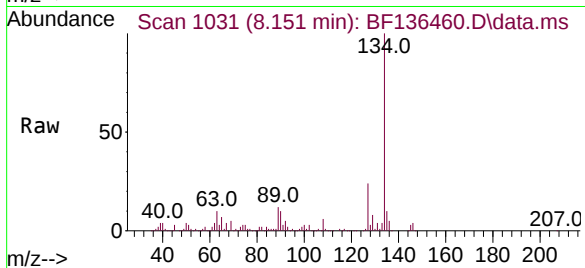
Ion Ratio Lower Upper

127 100

129 32.1 25.4 38.2

65 29.6 22.5 33.7

92 20.3 14.3 21.5



#34

Hexachlorobutadiene

Concen: 40.978 ng

RT: 8.216 min Scan# 1042

Delta R.T. 0.000 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

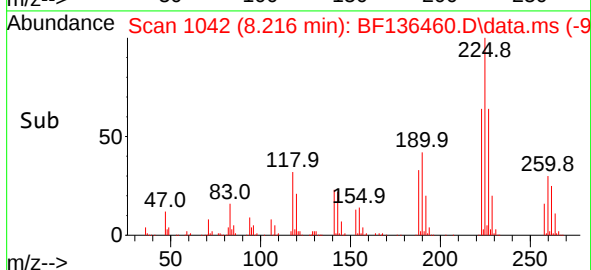
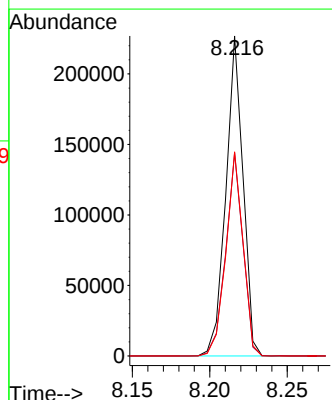
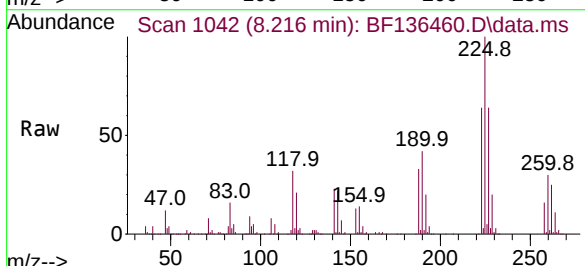
Tgt Ion:225 Resp: 174842

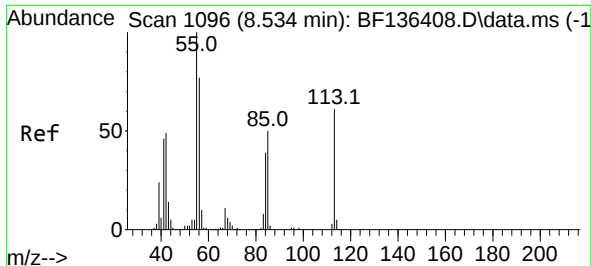
Ion Ratio Lower Upper

225 100

223 63.5 50.8 76.2

227 63.8 49.8 74.8

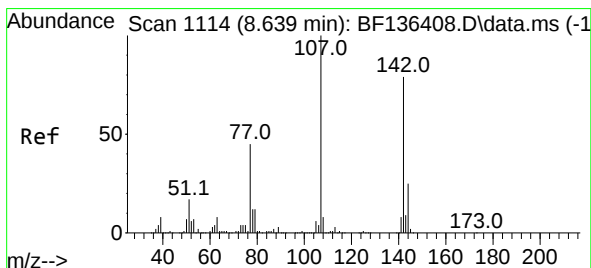
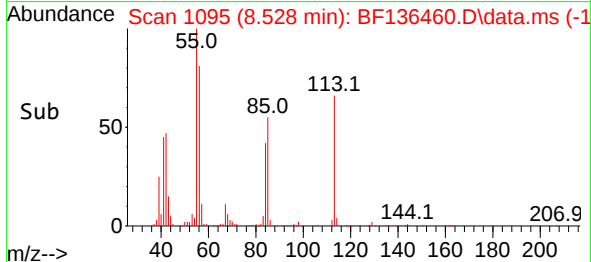
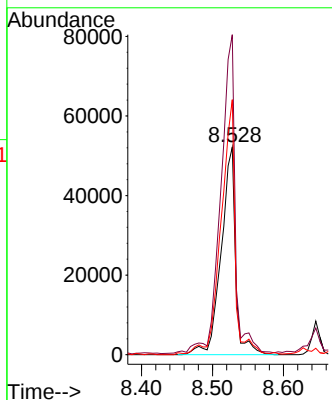
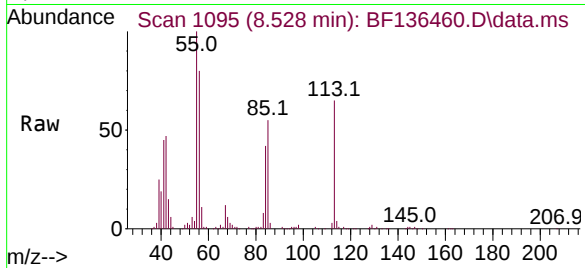




#35
 Caprolactam
 Concen: 38.533 ng
 RT: 8.528 min Scan# 1109
 Delta R.T. -0.006 min
 Lab File: BF136460.D
 Acq: 07 Dec 2023 22:12

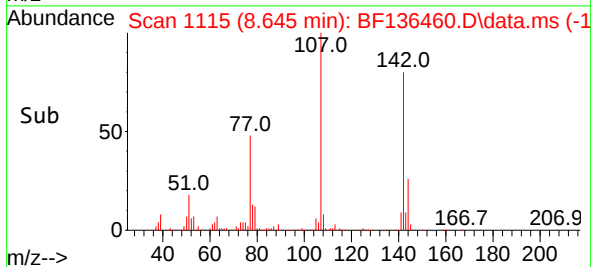
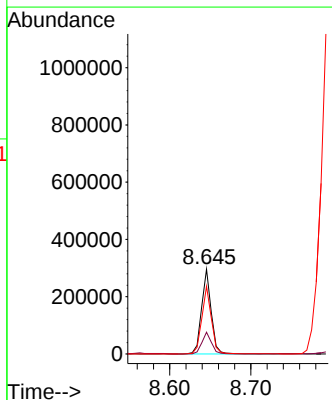
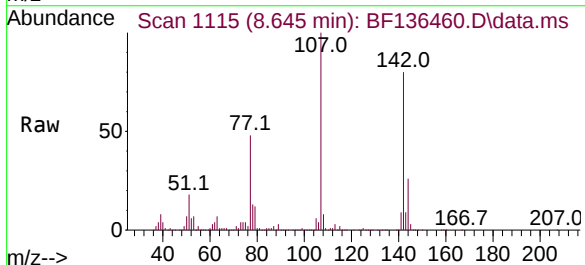
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216MS

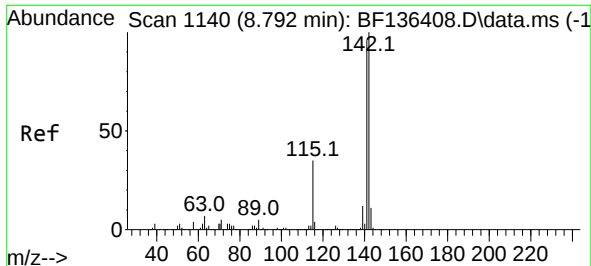
Tgt Ion:113 Resp: 73265
 Ion Ratio Lower Upper
 113 100
 55 154.1 143.7 183.7
 56 122.8 105.2 145.2



#36
 4-Chloro-3-methylphenol
 Concen: 37.074 ng
 RT: 8.645 min Scan# 1115
 Delta R.T. 0.006 min
 Lab File: BF136460.D
 Acq: 07 Dec 2023 22:12

Tgt Ion:107 Resp: 243042
 Ion Ratio Lower Upper
 107 100
 144 25.7 20.1 30.1
 142 79.9 63.1 94.7





#37

2-Methylnaphthalene

Concen: 171.687 ng

RT: 8.804 min Scan# 1142

Delta R.T. 0.012 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

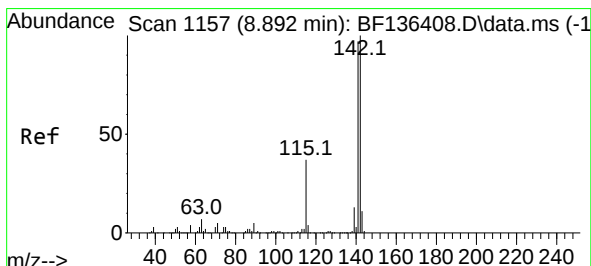
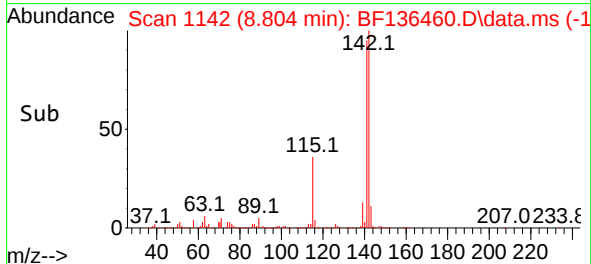
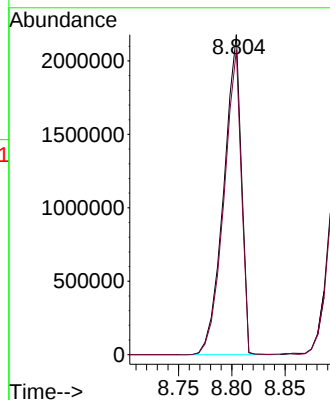
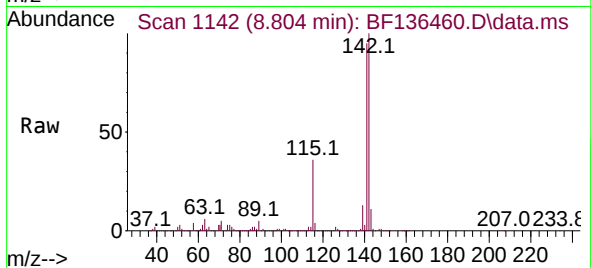
VNJ-216MS

Tgt Ion:142 Resp: 2497690

Ion Ratio Lower Upper

142 100

141 95.3 76.4 114.6



#38

1-Methylnaphthalene

Concen: 108.120 ng

RT: 8.898 min Scan# 1158

Delta R.T. 0.006 min

Lab File: BF136460.D

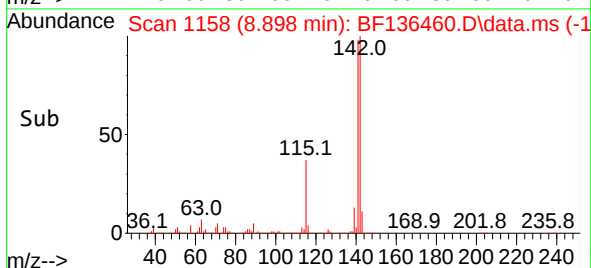
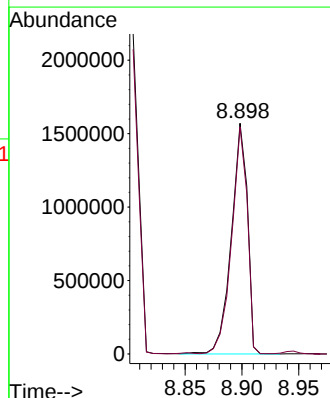
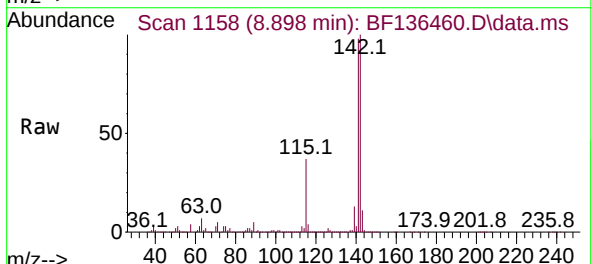
Acq: 07 Dec 2023 22:12

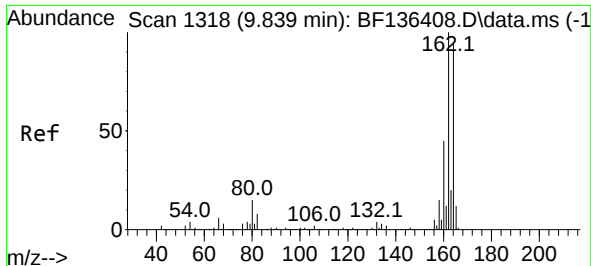
Tgt Ion:142 Resp: 1543479

Ion Ratio Lower Upper

142 100

141 98.4 77.7 116.5

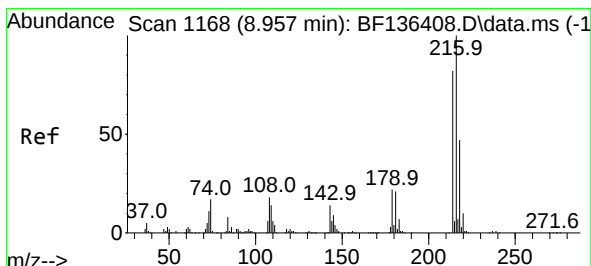
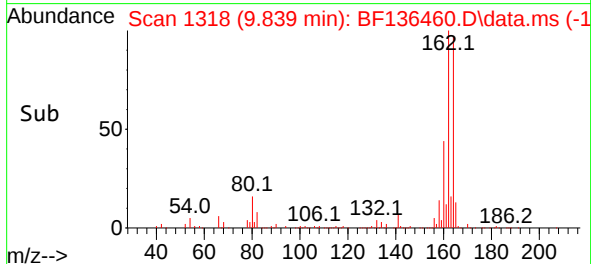
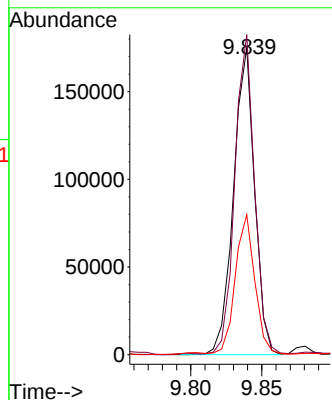
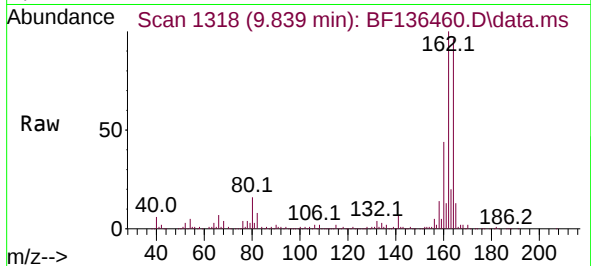




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

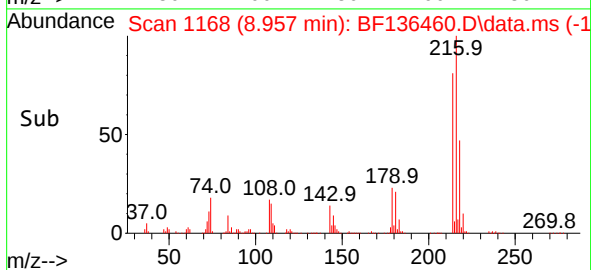
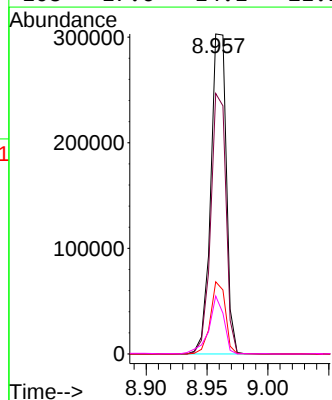
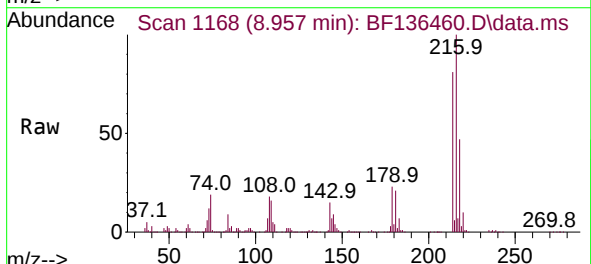
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

Tgt Ion:164 Resp: 180237
Ion Ratio Lower Upper
164 100
162 104.2 84.4 126.6
160 45.6 37.6 56.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.938 ng
RT: 8.957 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:216 Resp: 268809
Ion Ratio Lower Upper
216 100
214 79.7 64.1 96.1
179 21.6 17.0 25.6
108 17.6 14.1 21.1

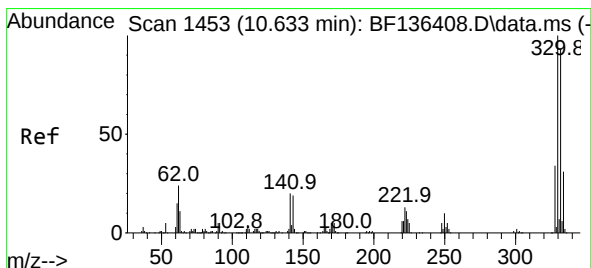
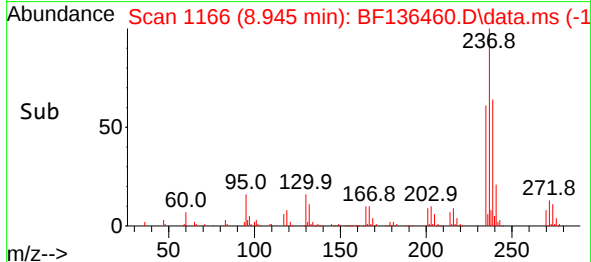
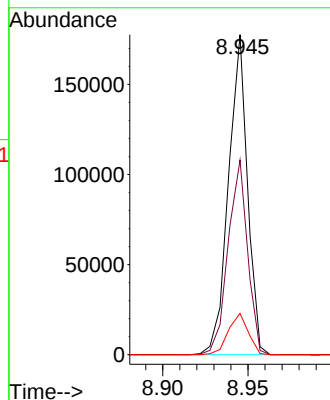
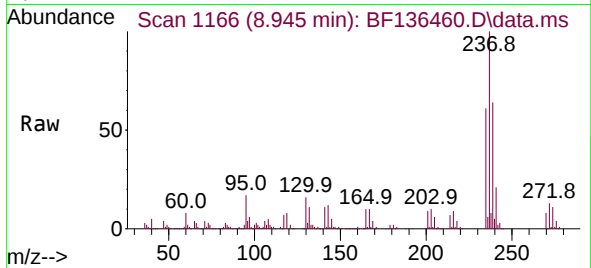




#41
Hexachlorocyclopentadiene
Concen: 66.193 ng
RT: 8.945 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

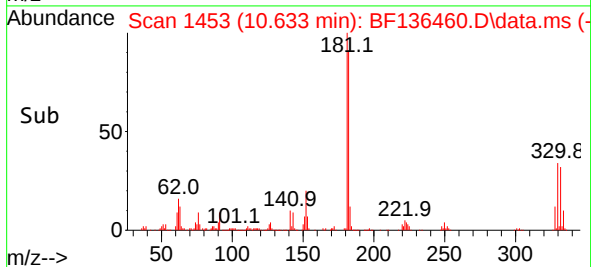
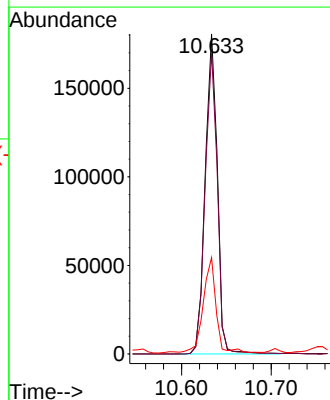
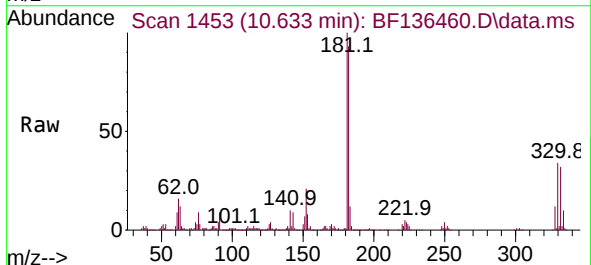
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

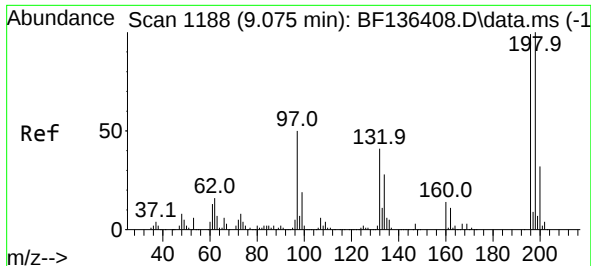
Tgt Ion:237 Resp: 137509
Ion Ratio Lower Upper
237 100
235 60.9 44.1 84.1
272 12.9 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 76.158 ng
RT: 10.633 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:330 Resp: 169248
Ion Ratio Lower Upper
330 100
332 94.8 76.4 114.6
141 32.0 23.4 35.2

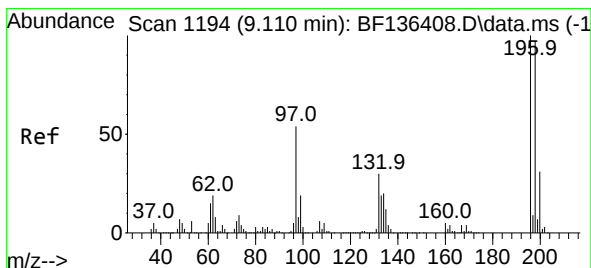
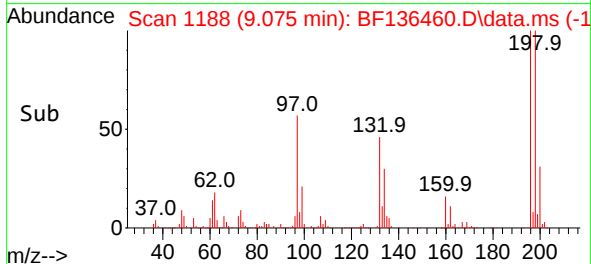
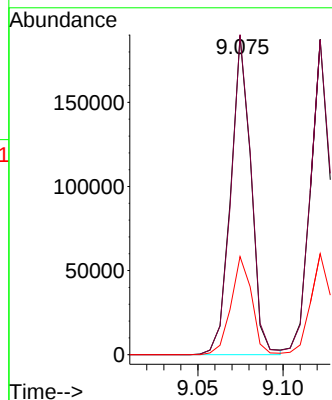
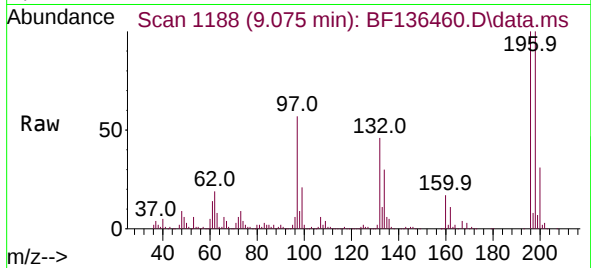




#43
2,4,6-Trichlorophenol
Concen: 42.749 ng
RT: 9.075 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

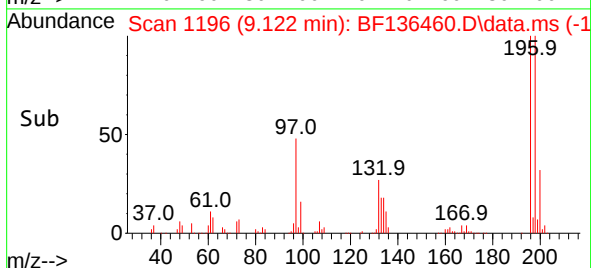
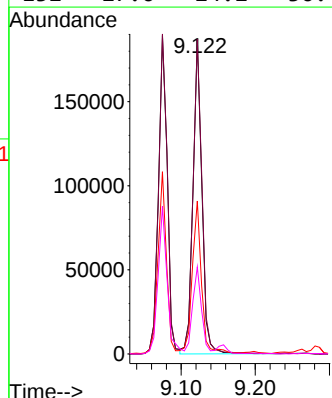
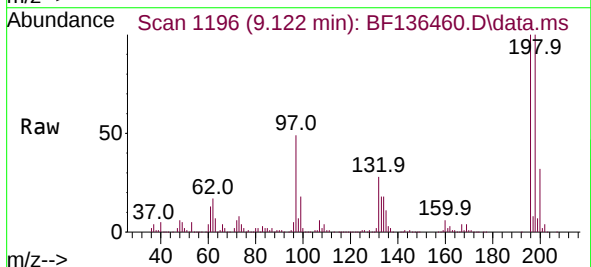
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

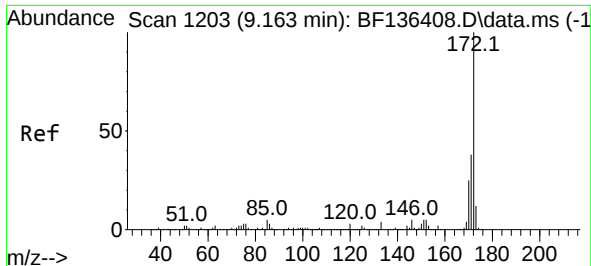
Tgt Ion:196 Resp: 156083
Ion Ratio Lower Upper
196 100
198 100.4 80.4 120.6
200 30.8 25.9 38.9



#44
2,4,5-Trichlorophenol
Concen: 38.573 ng
RT: 9.122 min Scan# 1196
Delta R.T. 0.012 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:196 Resp: 157188
Ion Ratio Lower Upper
196 100
198 99.9 78.1 117.1
97 48.6 43.4 65.2
132 27.6 24.2 36.4

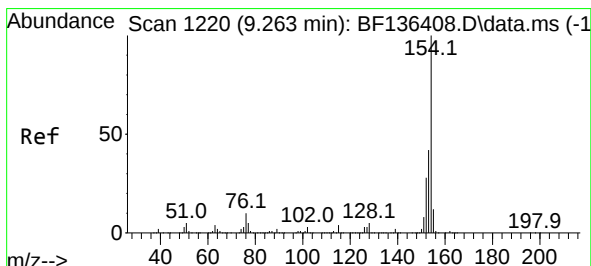
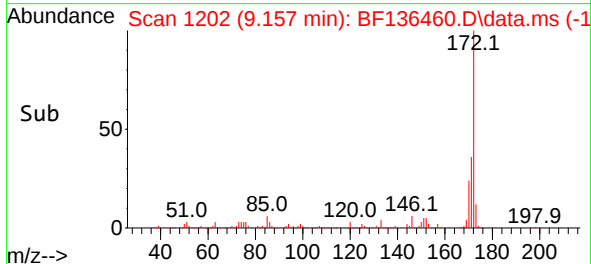
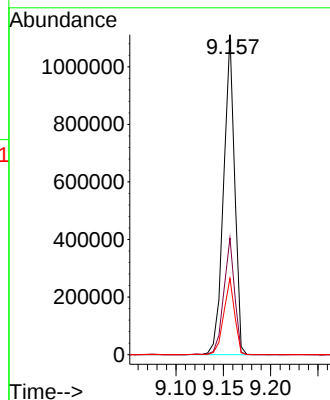
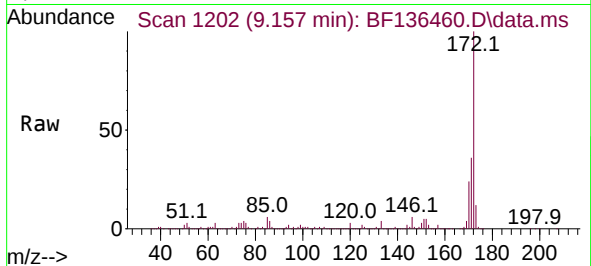




#45
2-Fluorobiphenyl
Concen: 68.637 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

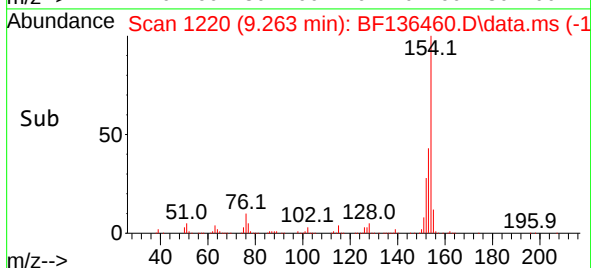
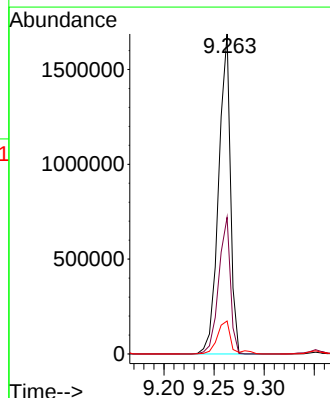
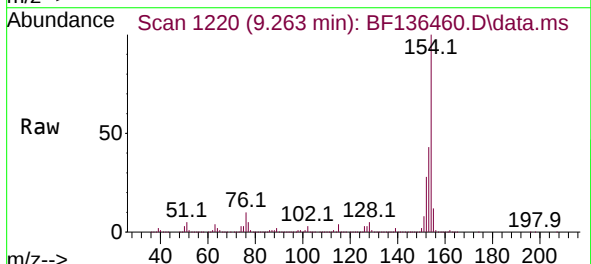
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

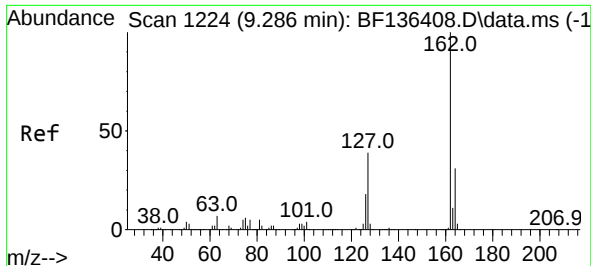
Tgt Ion:172 Resp: 906630
Ion Ratio Lower Upper
172 100
171 36.5 30.5 45.7
170 23.8 19.9 29.9



#46
1,1'-Biphenyl
Concen: 89.598 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:154 Resp: 1374107
Ion Ratio Lower Upper
154 100
153 42.7 22.5 62.5
76 10.3 0.0 29.9





#47

2-Chloronaphthalene

Concen: 42.066 ng

RT: 9.281 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

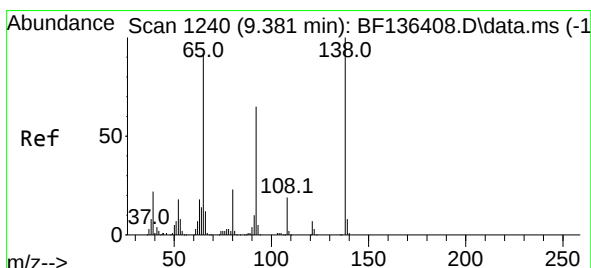
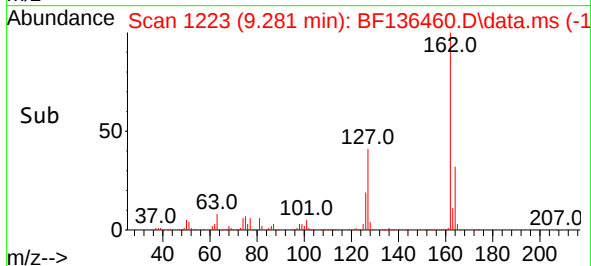
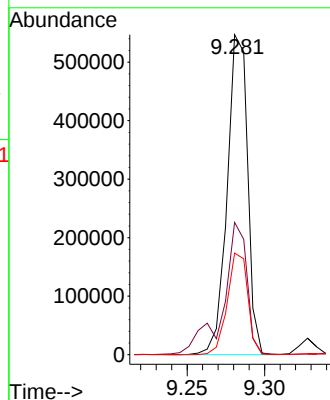
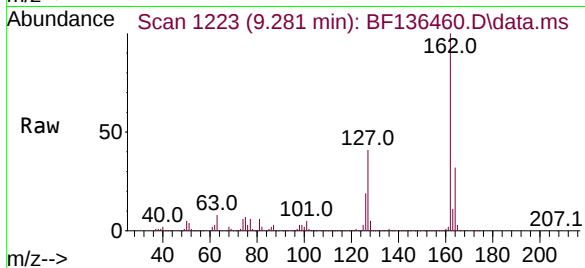
Tgt Ion:162 Resp: 502124

Ion Ratio Lower Upper

162 100

127 41.4 31.1 46.7

164 31.8 24.6 37.0



#48

2-Nitroaniline

Concen: 41.361 ng

RT: 9.386 min Scan# 1241

Delta R.T. 0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

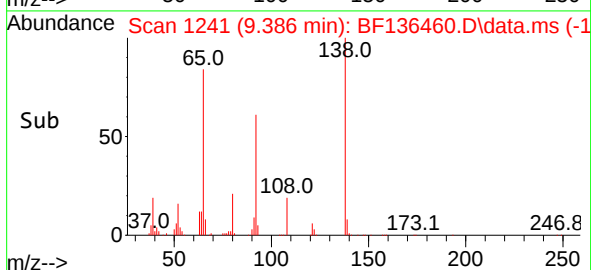
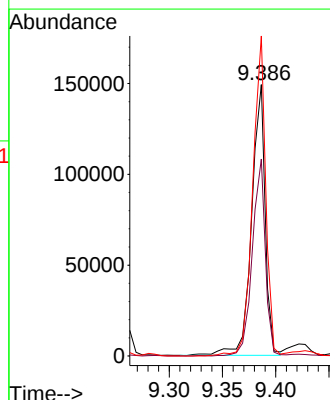
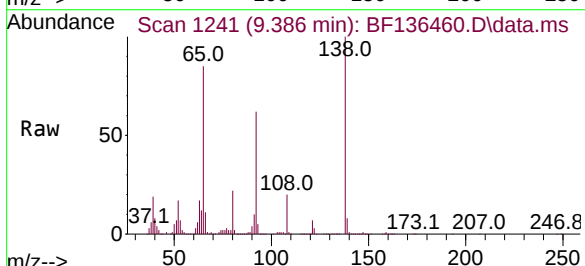
Tgt Ion: 65 Resp: 132413

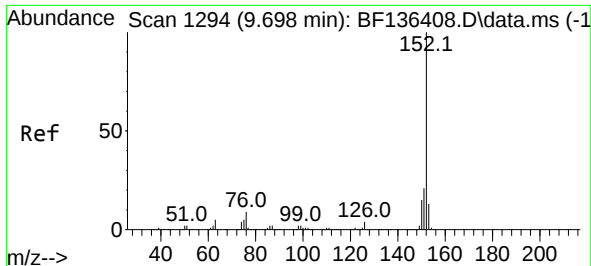
Ion Ratio Lower Upper

65 100

92 72.6 56.1 84.1

138 118.0 86.7 130.1





#49

Acenaphthylene

Concen: 44.183 ng

RT: 9.698 min Scan# 1294

Delta R.T. 0.000 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

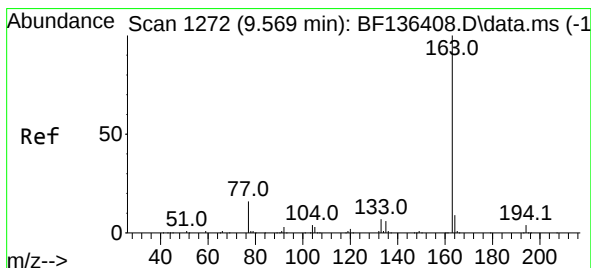
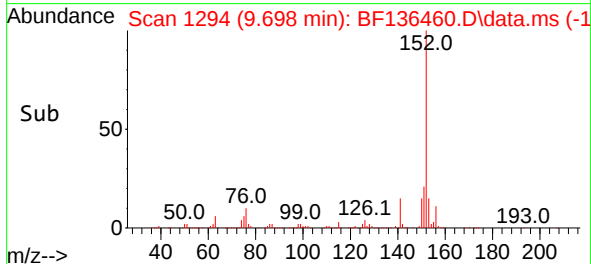
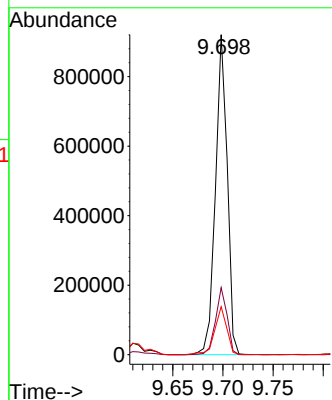
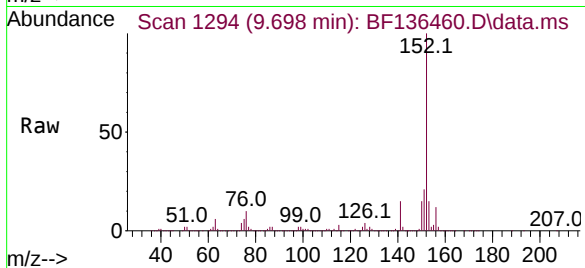
Tgt Ion:152 Resp: 751295

Ion Ratio Lower Upper

152 100

151 20.9 17.2 25.8

153 15.0 10.6 15.8



#50

Dimethylphthalate

Concen: 42.291 ng

RT: 9.563 min Scan# 1271

Delta R.T. -0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

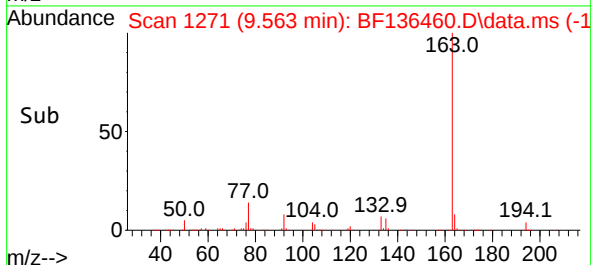
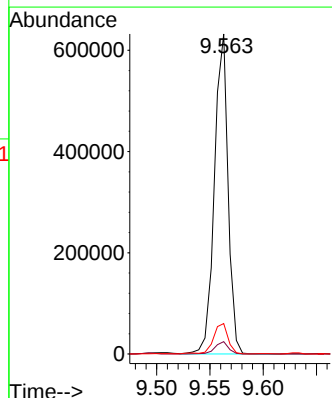
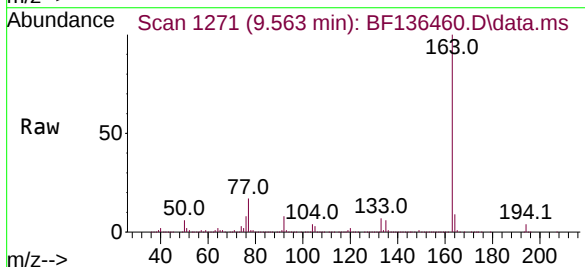
Tgt Ion:163 Resp: 561189

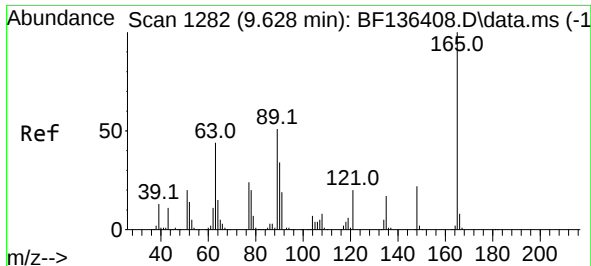
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 9.5 7.4 11.2

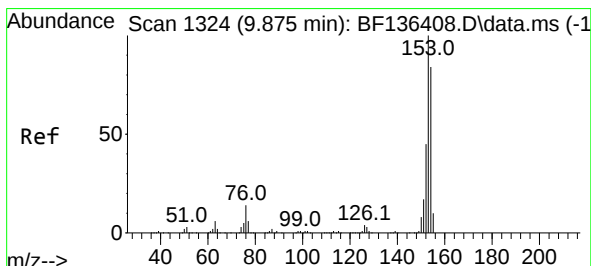
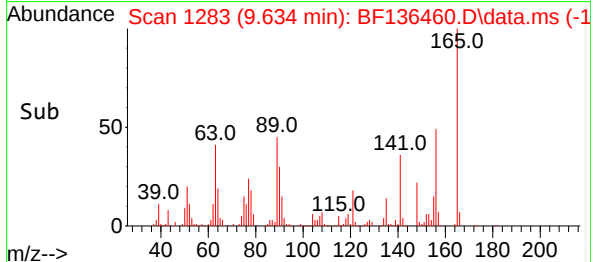
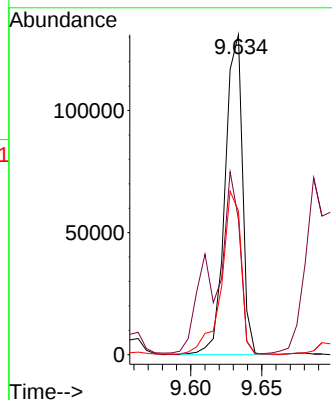
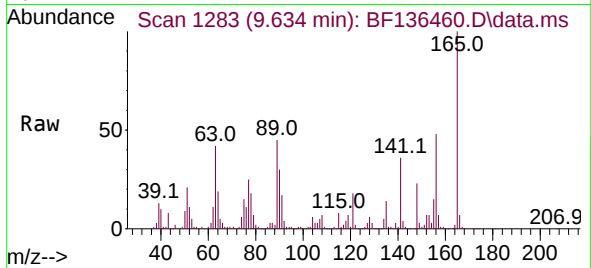




#51
2,6-Dinitrotoluene
Concen: 37.392 ng
RT: 9.634 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

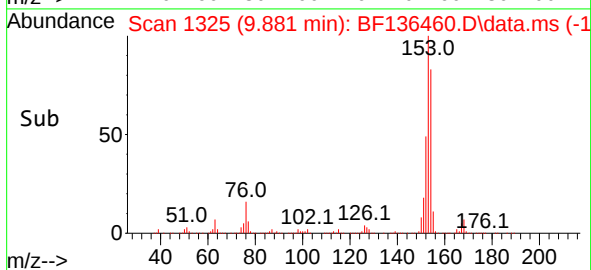
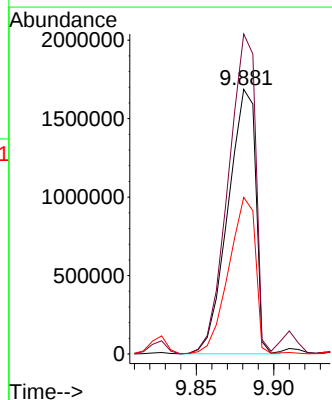
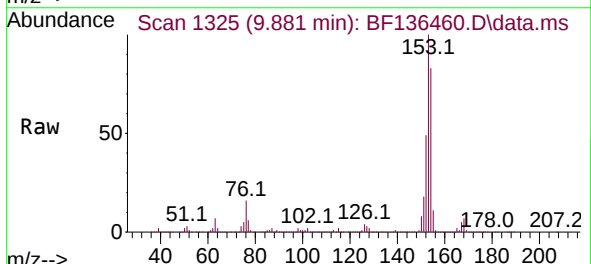
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

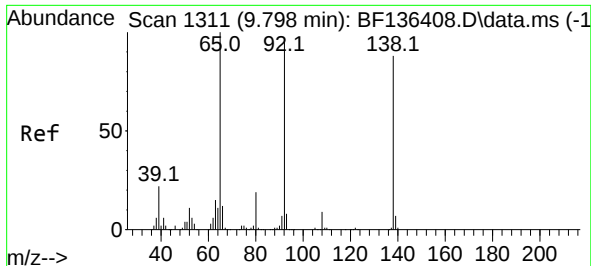
Tgt Ion:165 Resp: 111628
Ion Ratio Lower Upper
165 100
63 42.3 40.4 60.6
89 44.9 40.6 60.8



#52
Acenaphthene
Concen: 192.523 ng
RT: 9.881 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:154 Resp: 2097795
Ion Ratio Lower Upper
154 100
153 120.9 95.3 142.9
152 59.2 43.2 64.8

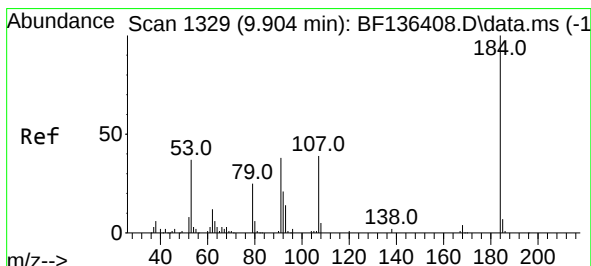
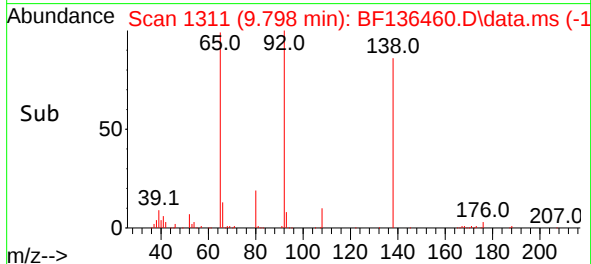
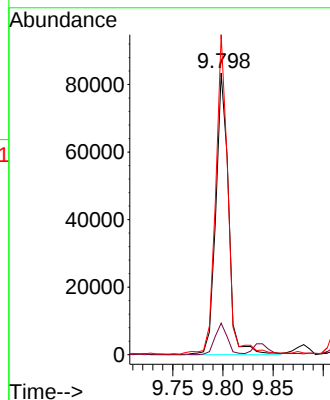
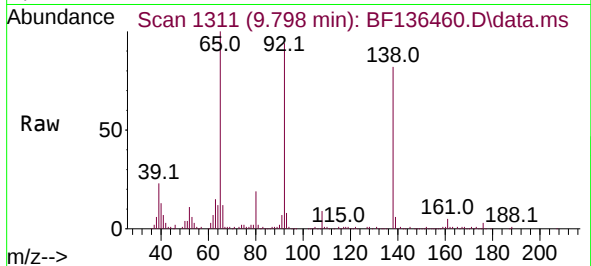




#53
3-Nitroaniline
Concen: 24.115 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

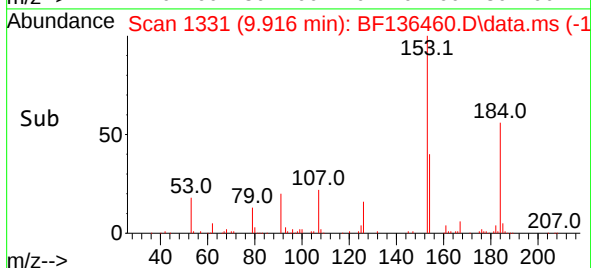
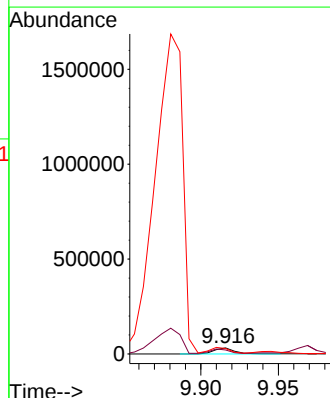
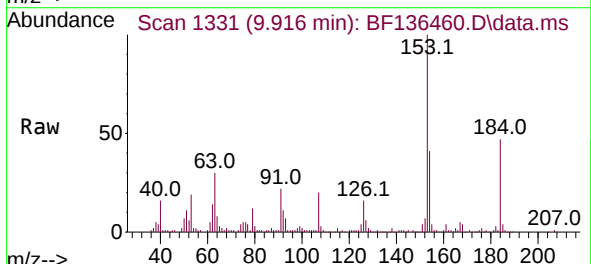
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

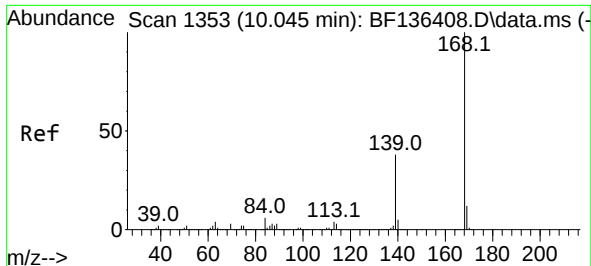
Tgt Ion:138 Resp: 73514
Ion Ratio Lower Upper
138 100
108 11.2 8.5 12.7
92 113.6 86.1 129.1



#54
2,4-Dinitrophenol
Concen: 19.307 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.012 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:184 Resp: 29141
Ion Ratio Lower Upper
184 100
63 65.3 39.1 58.7#
154 88.2 49.9 74.9#





#55

Dibenzenofuran

Concen: 198.250 ng

RT: 10.057 min Scan# 1355

Delta R.T. 0.012 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

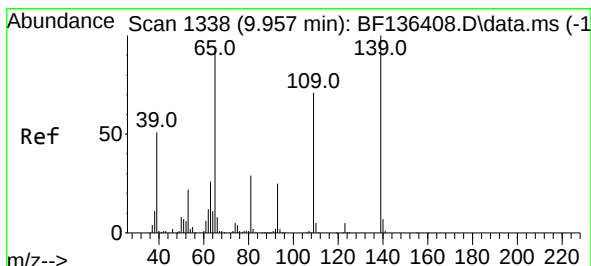
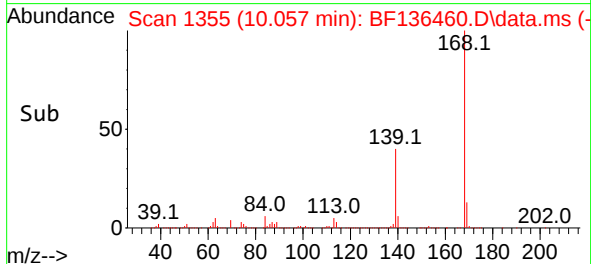
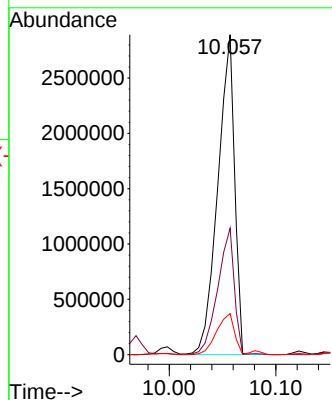
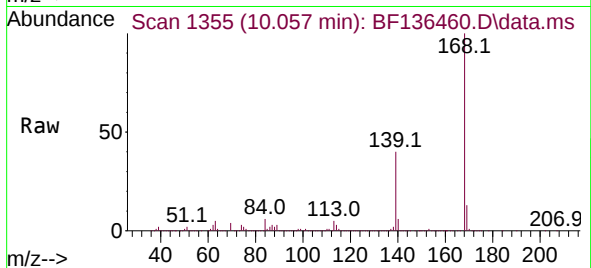
Tgt Ion:168 Resp: 3155779

Ion Ratio Lower Upper

168 100

139 39.5 30.4 45.6

169 12.8 9.9 14.9



#56

4-Nitrophenol

Concen: 74.910 ng

RT: 9.969 min Scan# 1340

Delta R.T. 0.012 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

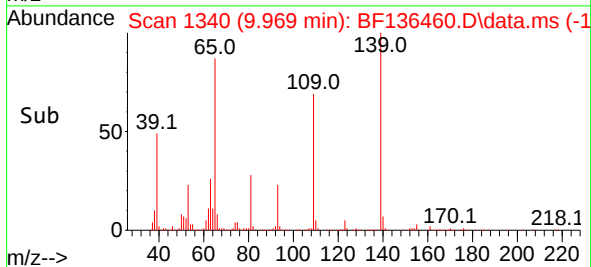
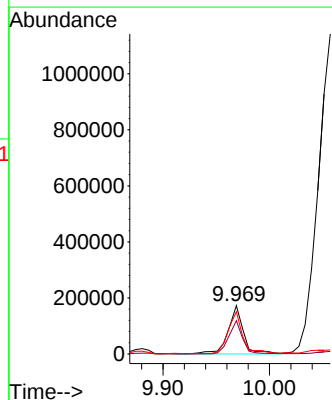
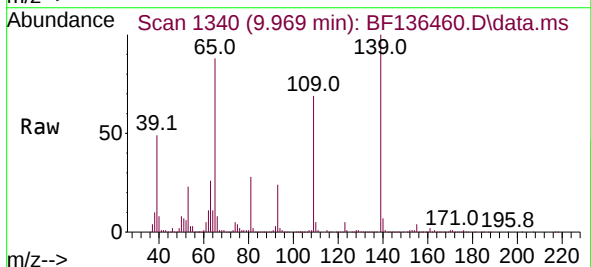
Tgt Ion:139 Resp: 171192

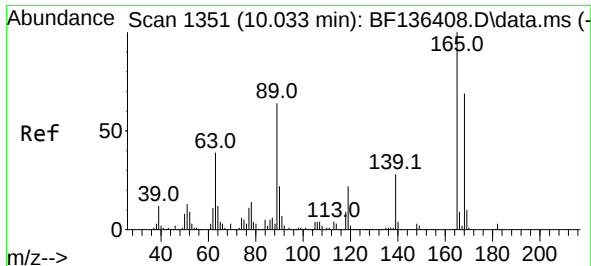
Ion Ratio Lower Upper

139 100

109 68.9 50.6 90.6

65 87.5 73.1 113.1

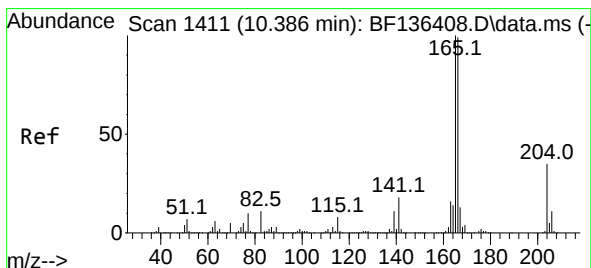
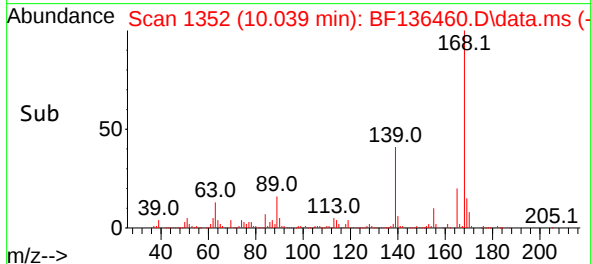
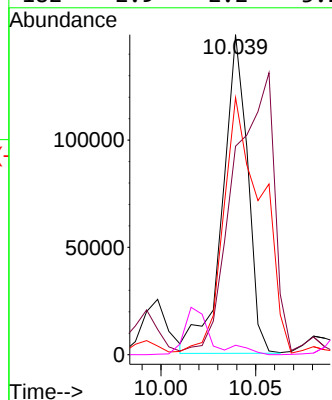
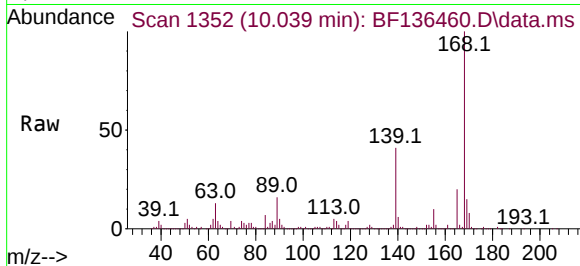




#57
2,4-Dinitrotoluene
Concen: 34.667 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

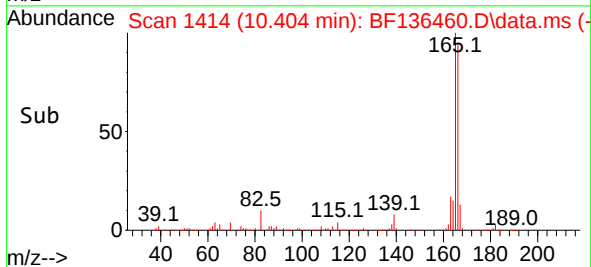
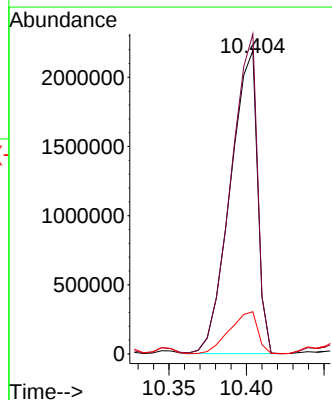
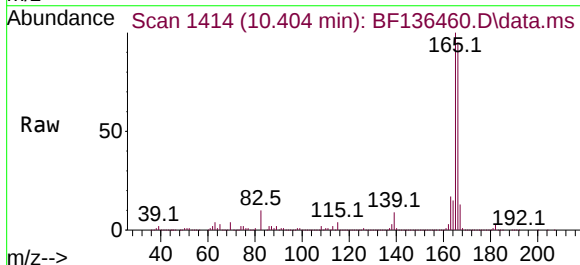
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

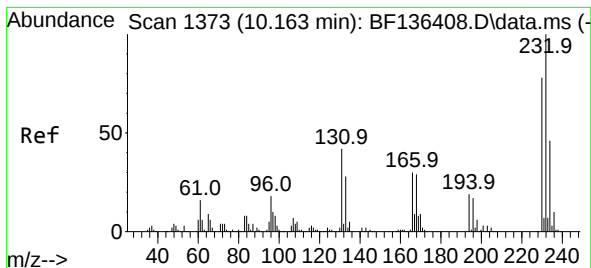
Tgt Ion:165 Resp: 136905
Ion Ratio Lower Upper
165 100
63 65.2 31.4 47.2#
89 80.4 51.7 77.5#
182 2.9 2.2 3.2



#58
Fluorene
Concen: 209.136 ng
RT: 10.404 min Scan# 1414
Delta R.T. 0.018 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:166 Resp: 2672350
Ion Ratio Lower Upper
166 100
165 105.5 80.5 120.7
167 13.9 10.5 15.7

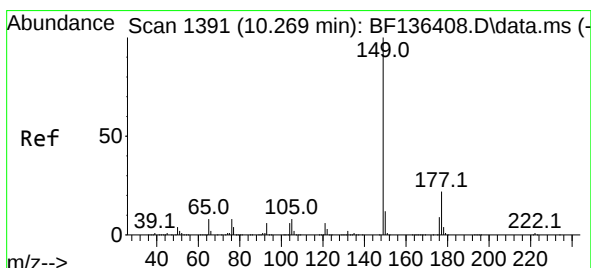
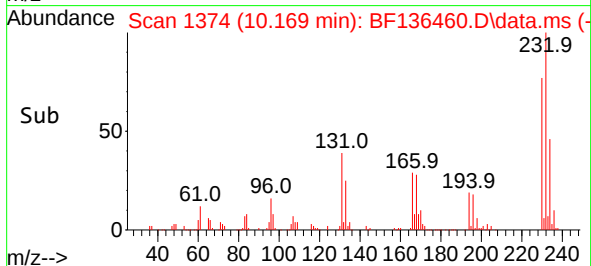
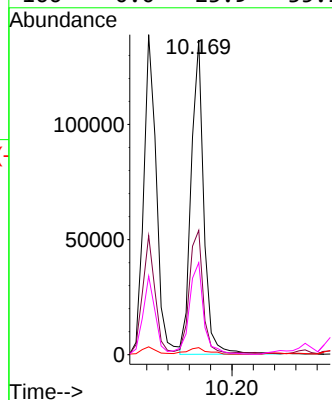
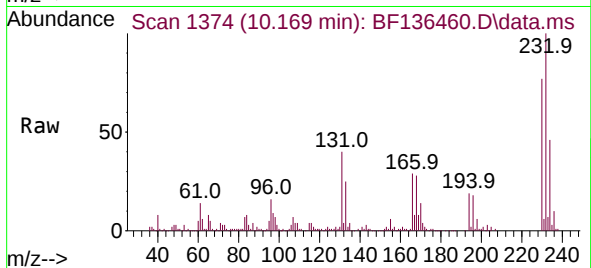




#59
2,3,4,6-Tetrachlorophenol
Concen: 34.280 ng
RT: 10.169 min Scan# 1373
Delta R.T. 0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

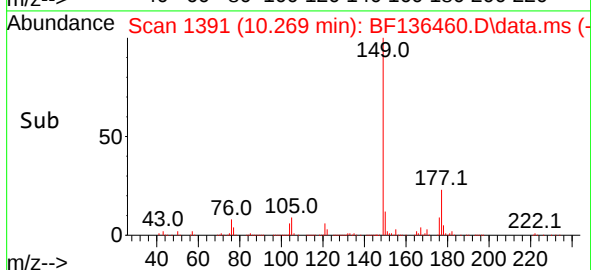
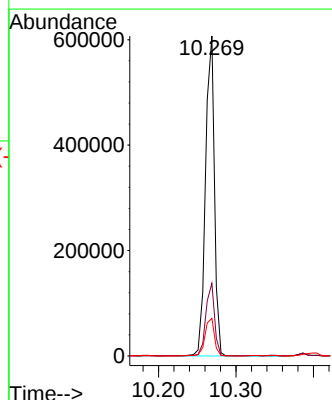
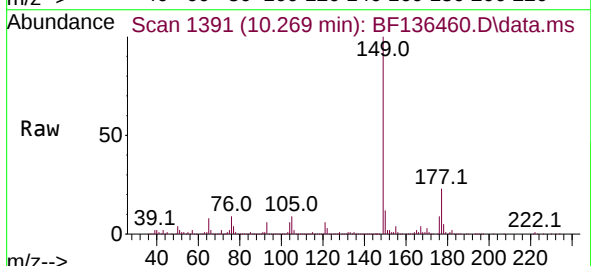
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

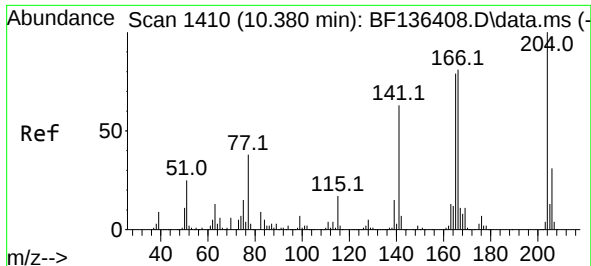
Tgt Ion:232 Resp: 111895
Ion Ratio Lower Upper
232 100
131 41.7 34.3 51.5
130 3.3 1.6 2.4#
166 0.0 23.9 35.9#



#60
Diethylphthalate
Concen: 37.091 ng
RT: 10.269 min Scan# 1391
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:149 Resp: 483976
Ion Ratio Lower Upper
149 100
177 22.7 17.8 26.8
150 11.7 9.4 14.0

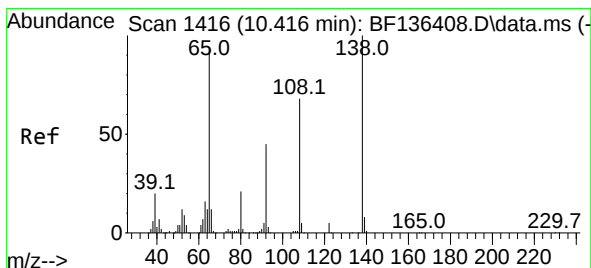
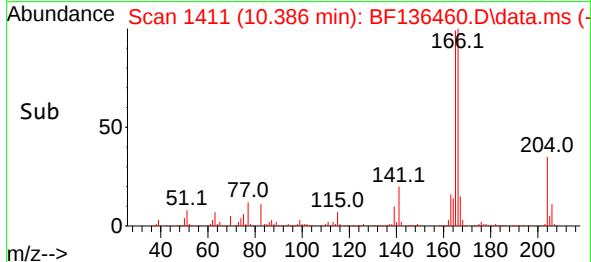
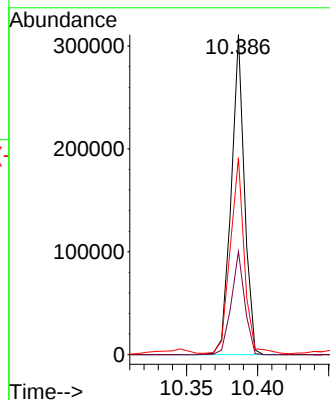
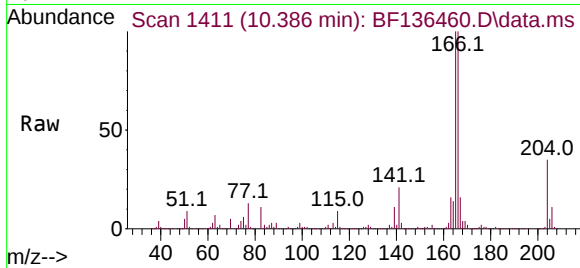




#61
4-Chlorophenyl-phenylether
Concen: 32.248 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

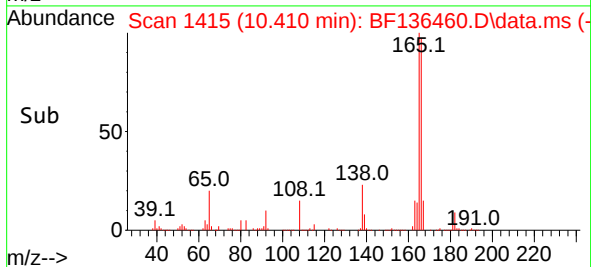
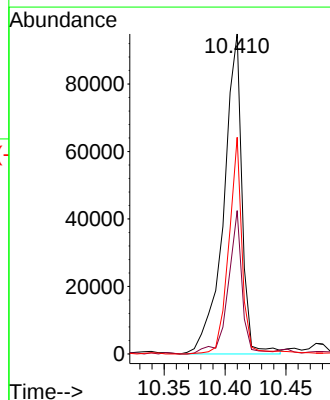
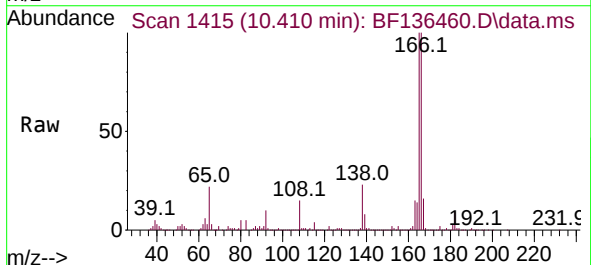
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

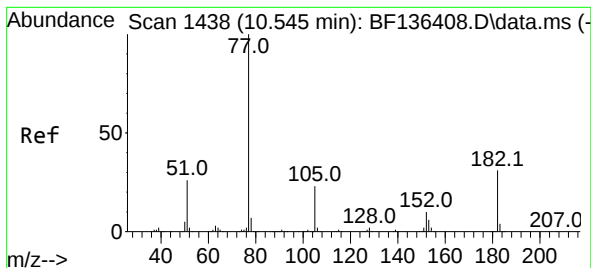
Tgt Ion:204 Resp: 200878
Ion Ratio Lower Upper
204 100
206 32.2 24.6 36.8
141 61.5 50.3 75.5



#62
4-Nitroaniline
Concen: 32.905 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:138 Resp: 99603
Ion Ratio Lower Upper
138 100
92 44.8 25.0 65.0
108 67.7 47.9 87.9





#63

Azobenzene

Concen: 33.505 ng

RT: 10.545 min Scan# 1438

Delta R.T. 0.000 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

Tgt Ion: 77 Resp: 397933

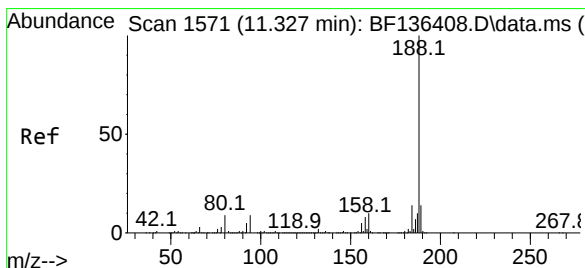
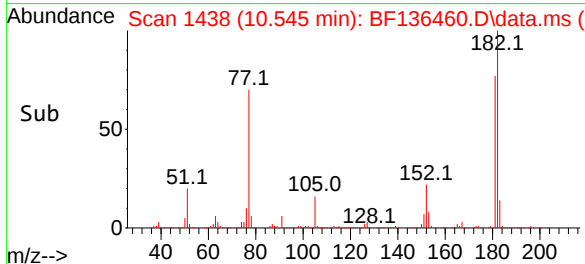
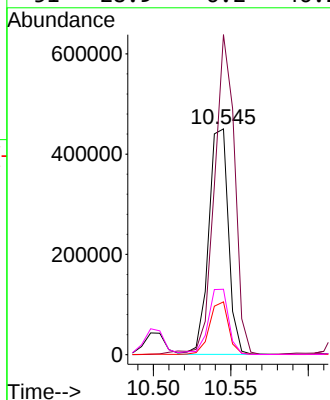
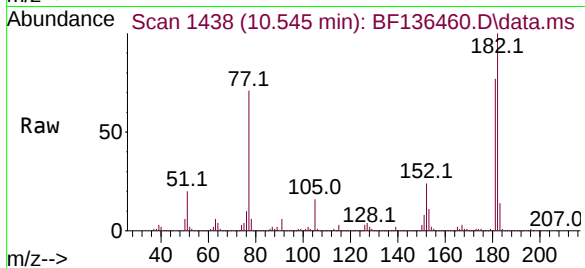
Ion Ratio Lower Upper

77 100

182 141.7 10.8 50.8#

105 23.4 2.6 42.6

51 28.9 6.2 46.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.333 min Scan# 1572

Delta R.T. 0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

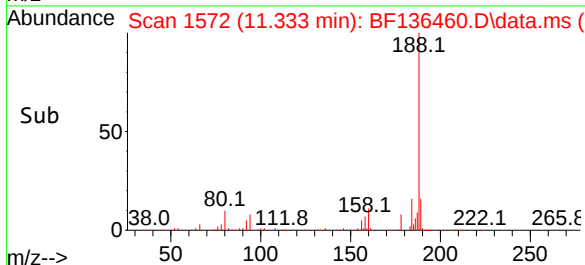
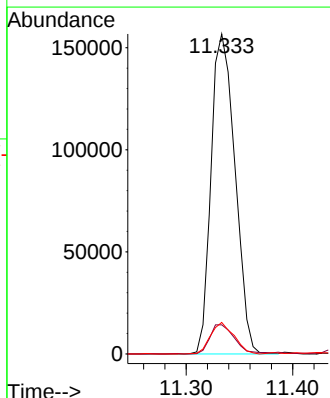
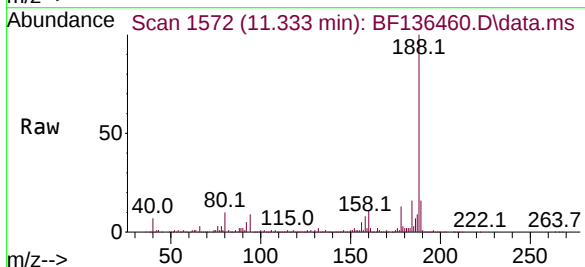
Tgt Ion: 188 Resp: 244586

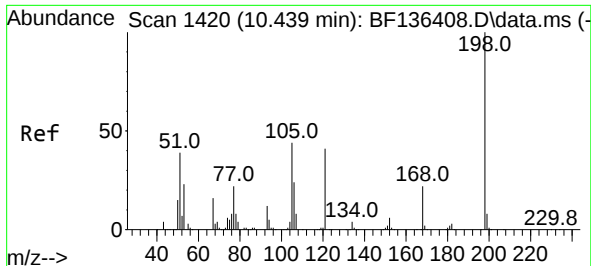
Ion Ratio Lower Upper

188 100

94 9.1 7.2 10.8

80 9.9 7.2 10.8

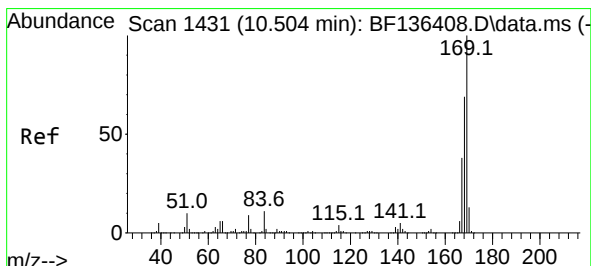
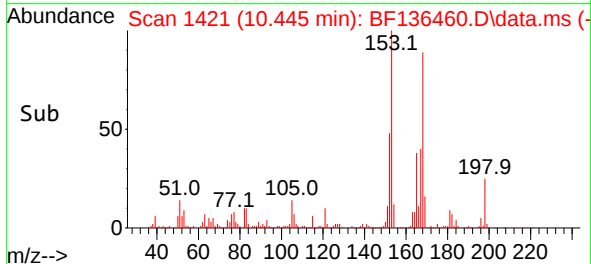
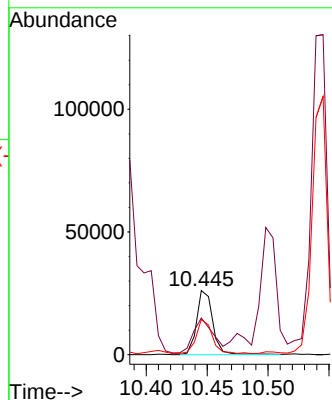
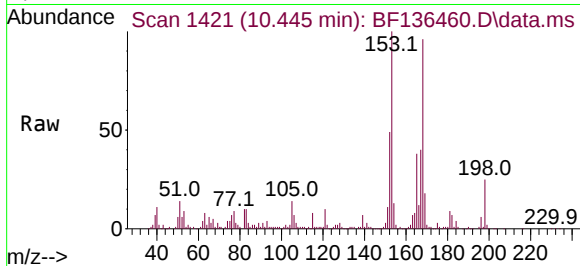




#65
4,6-Dinitro-2-methylphenol
Concen: 15.937 ng
RT: 10.445 min Scan# 1420
Delta R.T. 0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

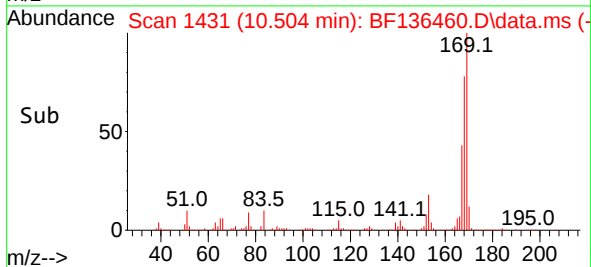
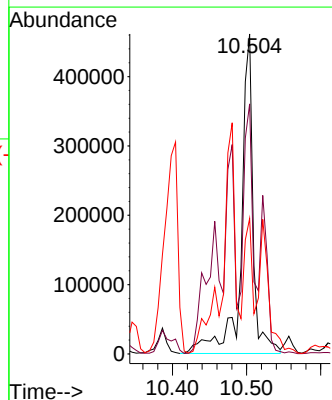
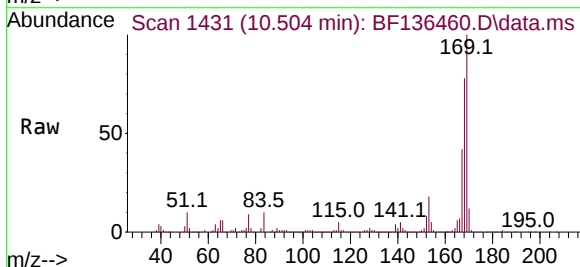
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

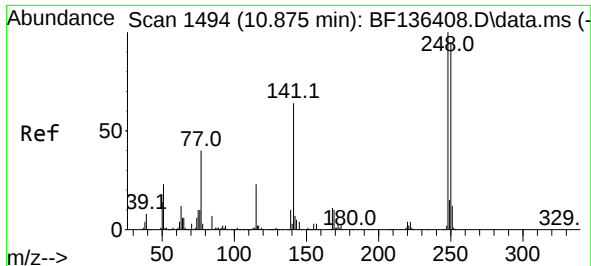
Tgt Ion:198 Resp: 24140
Ion Ratio Lower Upper
198 100
51 57.0 24.1 64.1
105 54.8 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 66.519 ng
RT: 10.504 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:169 Resp: 522058
Ion Ratio Lower Upper
169 100
168 78.1 55.3 82.9
167 42.4 30.1 45.1

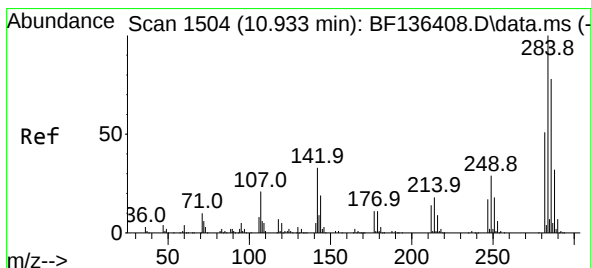
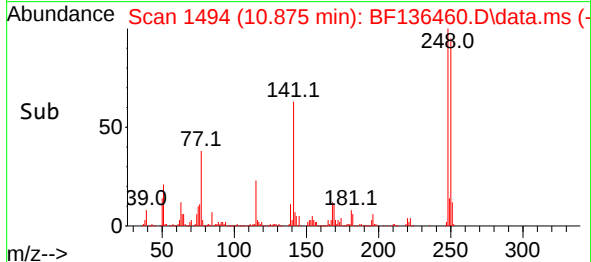
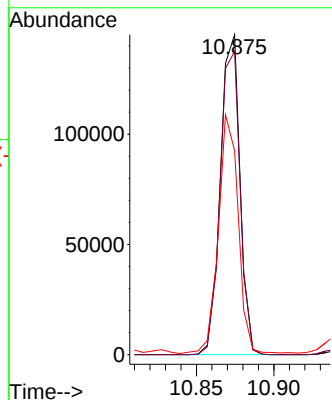
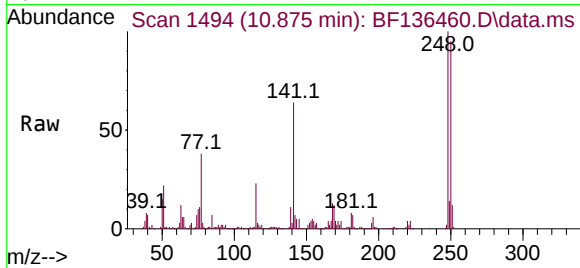




#67
4-Bromophenyl-phenylether
Concen: 44.801 ng
RT: 10.875 min Scan# 1494
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

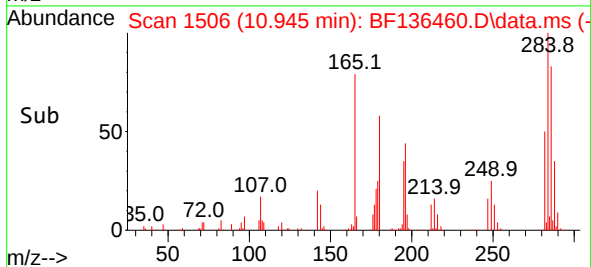
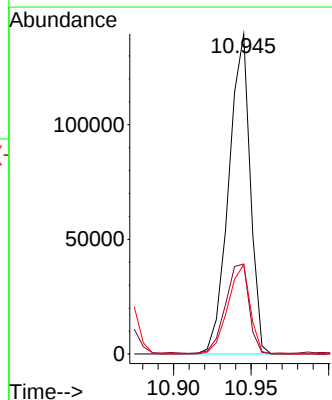
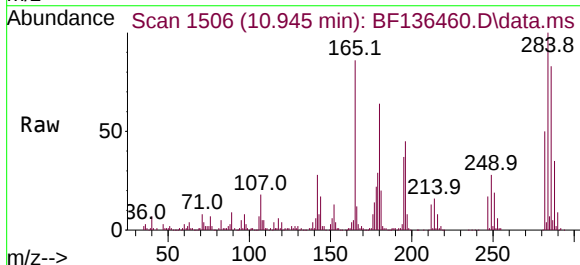
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

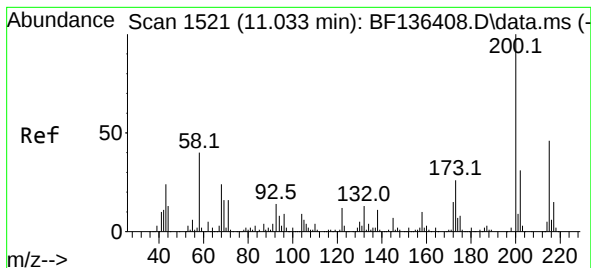
Tgt Ion:248 Resp: 127402
Ion Ratio Lower Upper
248 100
250 94.8 76.2 114.2
141 63.8 51.0 76.4



#68
Hexachlorobenzene
Concen: 40.853 ng
RT: 10.945 min Scan# 1506
Delta R.T. 0.012 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:284 Resp: 134271
Ion Ratio Lower Upper
284 100
142 28.1 26.5 39.7
249 27.9 23.4 35.0





#69

Atrazine

Concen: 53.284 ng

RT: 11.039 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

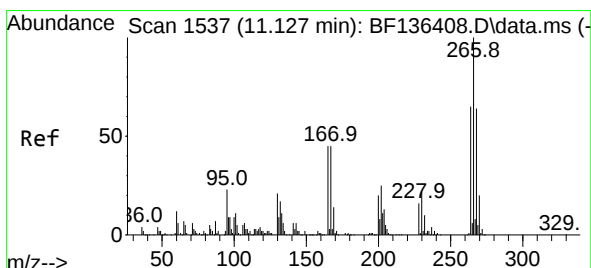
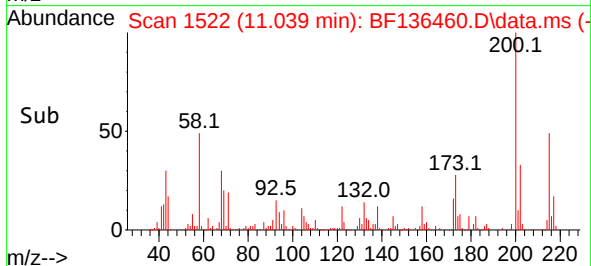
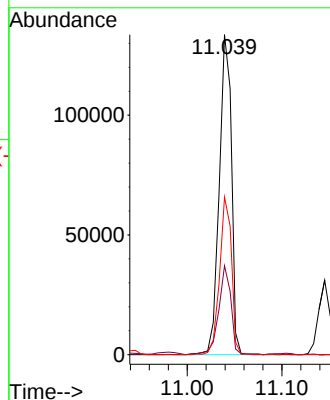
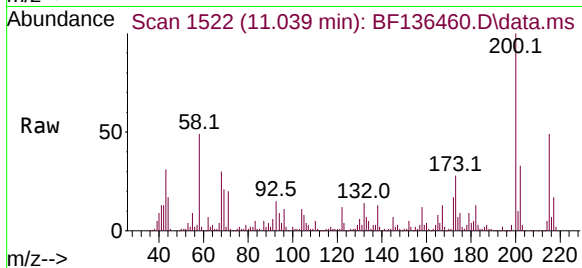
Tgt Ion:200 Resp: 119358

Ion Ratio Lower Upper

200 100

173 27.8 6.0 46.0

215 49.3 25.5 65.5



#70

Pentachlorophenol

Concen: 87.001 ng

RT: 11.145 min Scan# 1540

Delta R.T. 0.018 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

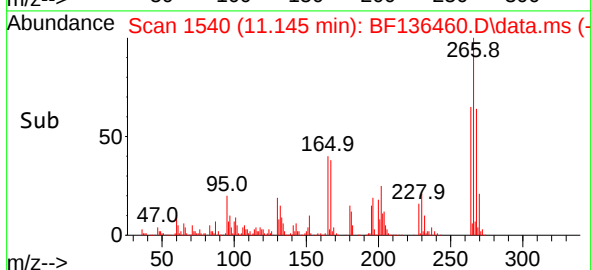
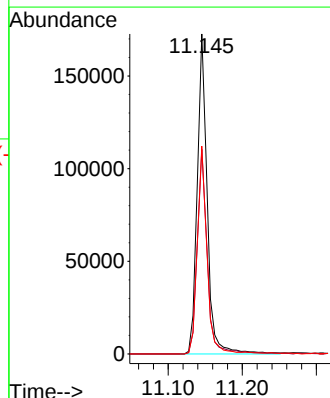
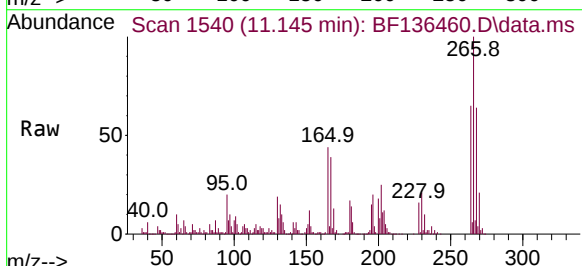
Tgt Ion:266 Resp: 161382

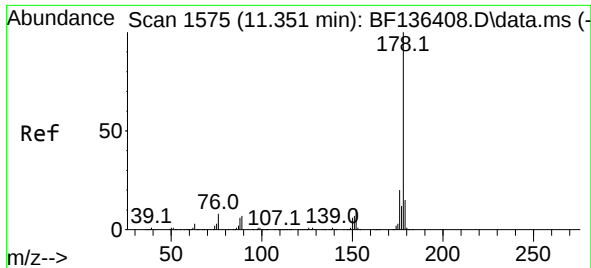
Ion Ratio Lower Upper

266 100

268 63.9 51.0 76.6

264 65.0 52.2 78.4

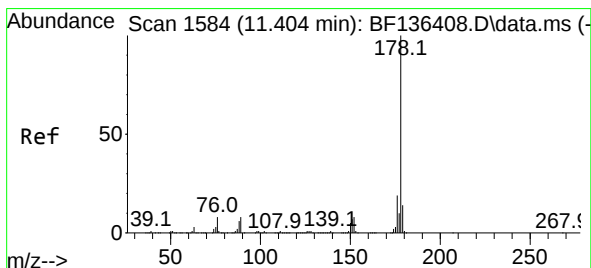
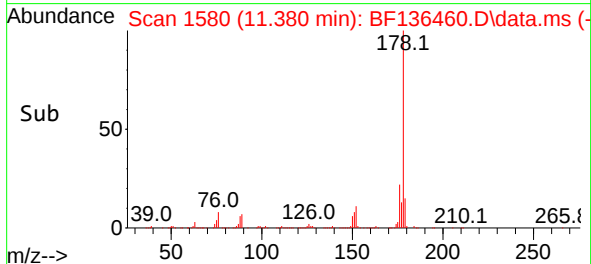
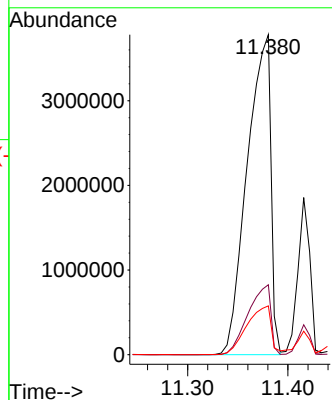
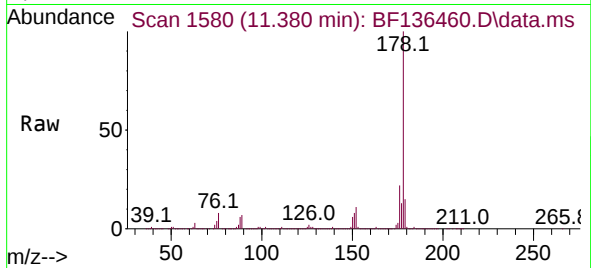




#71
Phenanthrene
Concen: 459.408 ng
RT: 11.380 min Scan# 1575
Delta R.T. 0.029 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

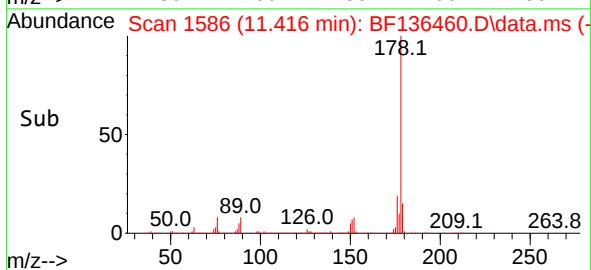
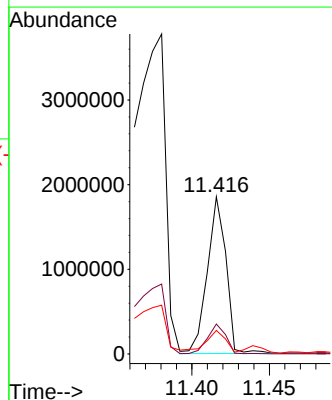
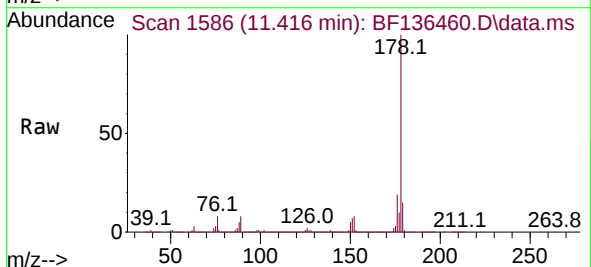
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

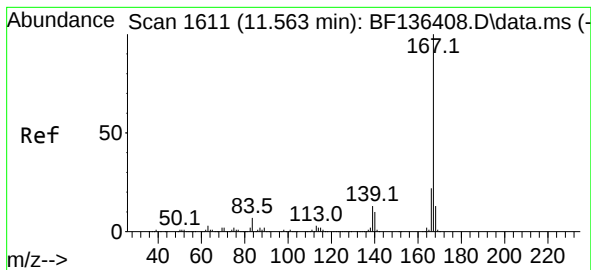
Tgt Ion:178 Resp: 6176070
Ion Ratio Lower Upper
178 100
176 21.8 15.9 23.9
179 15.3 11.8 17.6



#72
Anthracene
Concen: 114.793 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.012 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:178 Resp: 1554359
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 14.9 11.4 17.0





#73

Carbazole

Concen: 71.024 ng

RT: 11.569 min Scan# 1611

Delta R.T. 0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

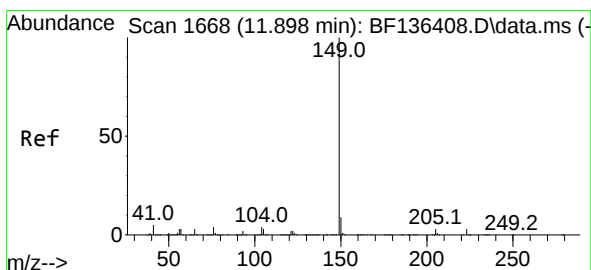
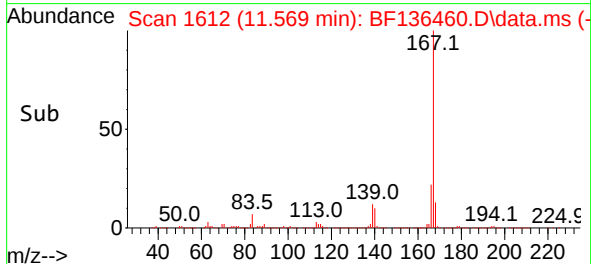
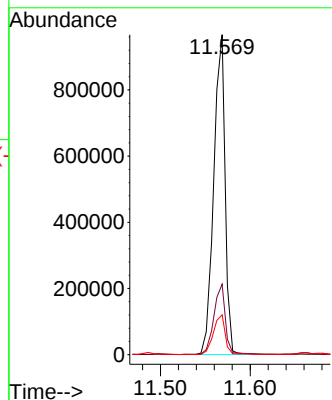
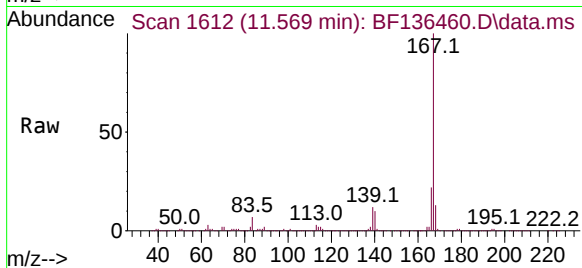
Tgt Ion:167 Resp: 851180

Ion Ratio Lower Upper

167 100

166 22.0 18.0 27.0

139 12.4 10.2 15.4



#74

Di-n-butylphthalate

Concen: 43.097 ng

RT: 11.898 min Scan# 1668

Delta R.T. 0.000 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

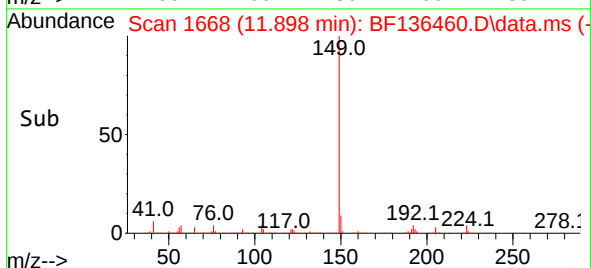
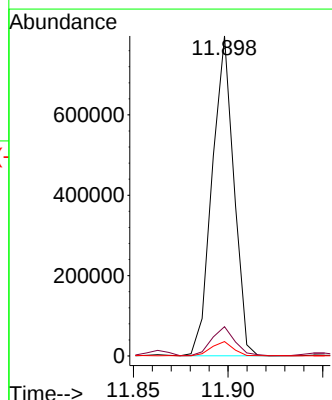
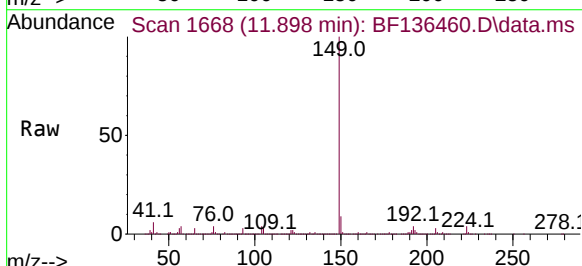
Tgt Ion:149 Resp: 633174

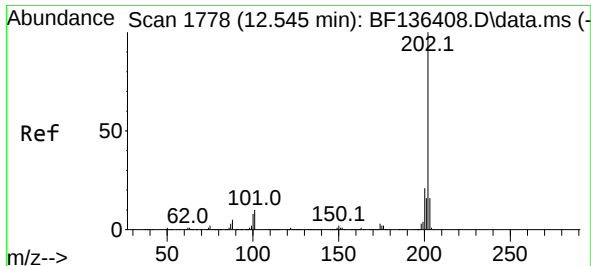
Ion Ratio Lower Upper

149 100

150 9.2 6.9 10.3

104 4.5 3.5 5.3

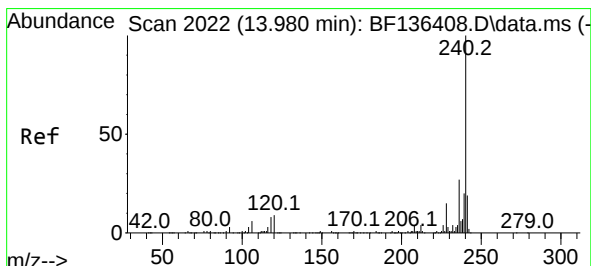
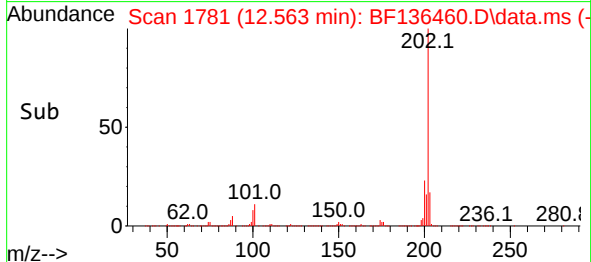
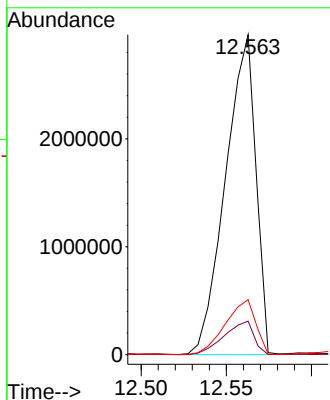
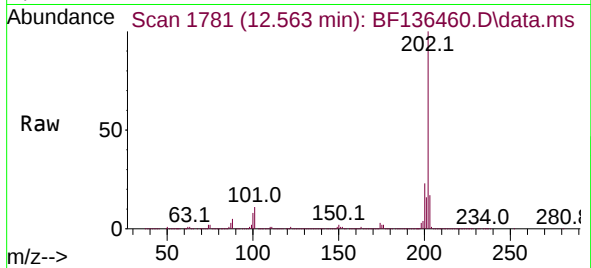




#75
Fluoranthene
Concen: 260.522 ng
RT: 12.563 min Scan# 1781
Delta R.T. 0.018 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

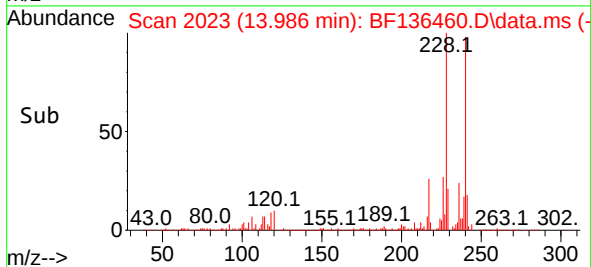
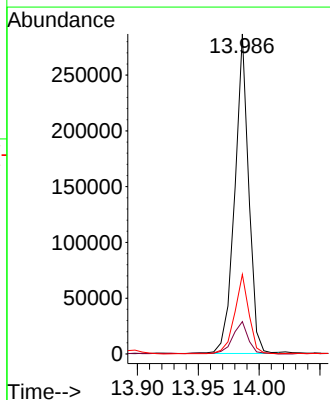
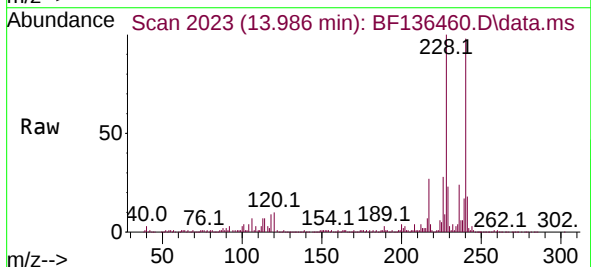
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

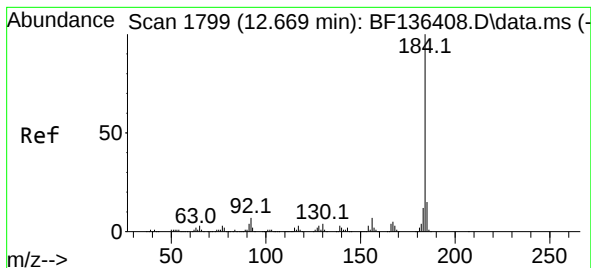
Tgt Ion:202 Resp: 3670267
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.9
203 17.2 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:240 Resp: 228403
Ion Ratio Lower Upper
240 100
120 10.1 7.3 10.9
236 24.8 21.3 31.9





#77

Benzidine

Concen: 51.550 ng

RT: 12.680 min Scan# 1801

Delta R.T. 0.011 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

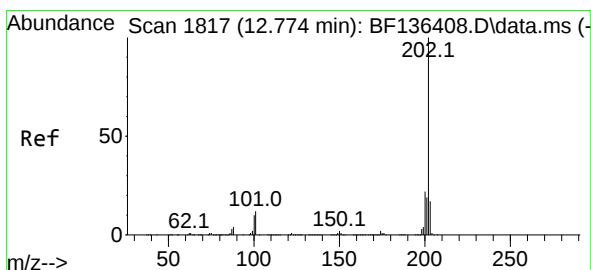
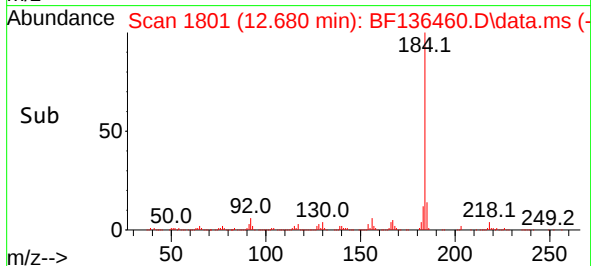
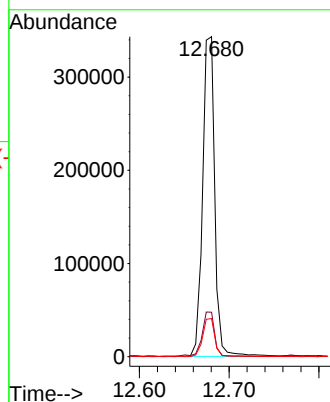
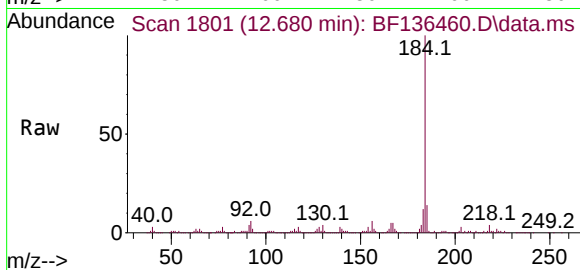
Tgt Ion:184 Resp: 321469

Ion Ratio Lower Upper

184 100

185 13.9 12.0 18.0

183 11.9 9.4 14.0



#78

Pyrene

Concen: 123.354 ng

RT: 12.792 min Scan# 1820

Delta R.T. 0.018 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

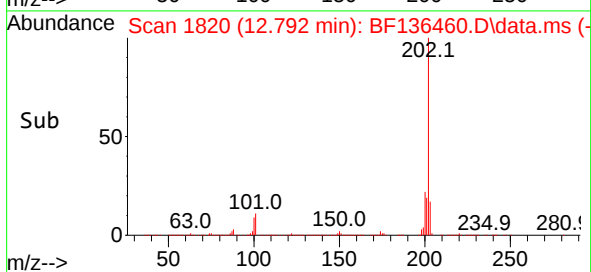
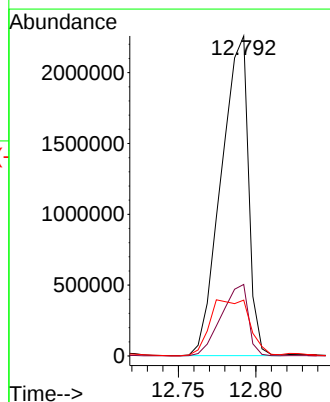
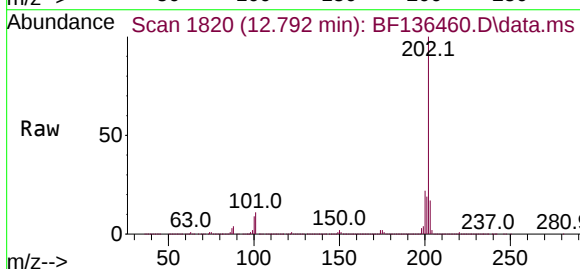
Tgt Ion:202 Resp: 2759285

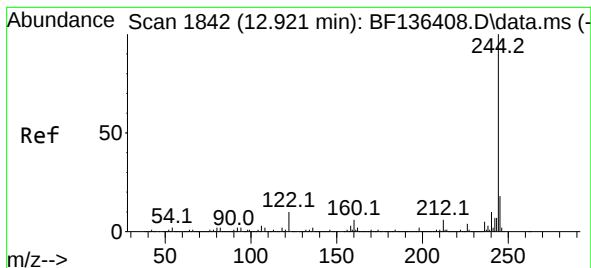
Ion Ratio Lower Upper

202 100

200 22.3 18.0 27.0

203 17.5 13.5 20.3





#79

Terphenyl-d14

Concen: 47.170 ng

RT: 12.922 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

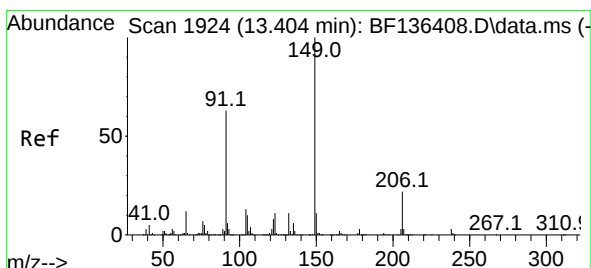
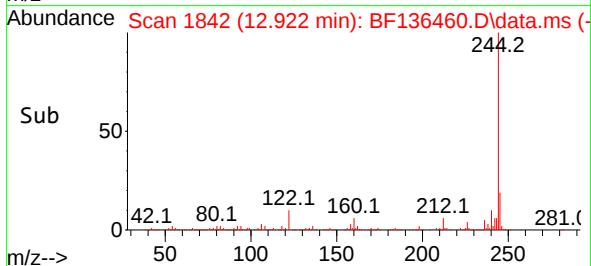
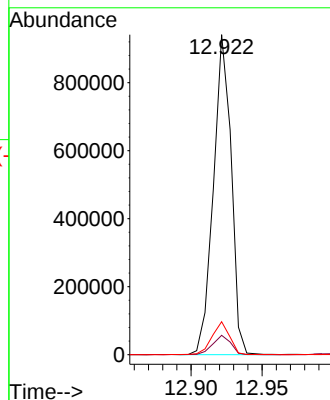
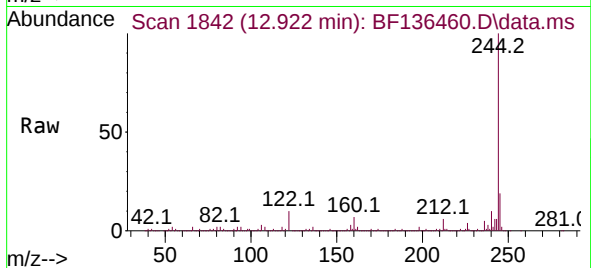
Tgt Ion:244 Resp: 817408

Ion Ratio Lower Upper

244 100

212 6.0 5.0 7.4

122 10.3 8.3 12.5



#80

Butylbenzylphthalate

Concen: 36.671 ng

RT: 13.404 min Scan# 1924

Delta R.T. 0.000 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

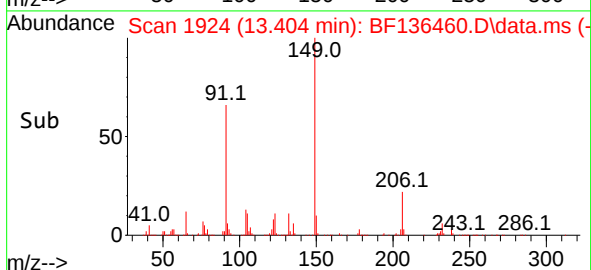
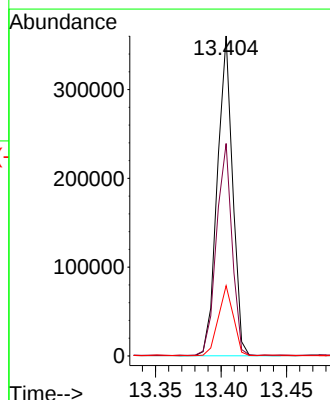
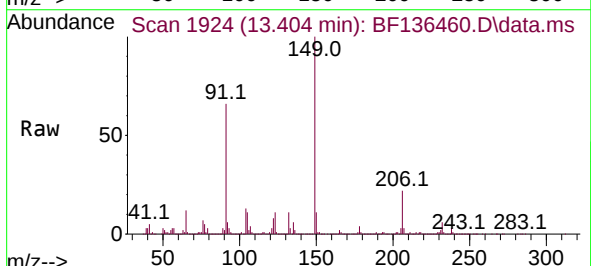
Tgt Ion:149 Resp: 292011

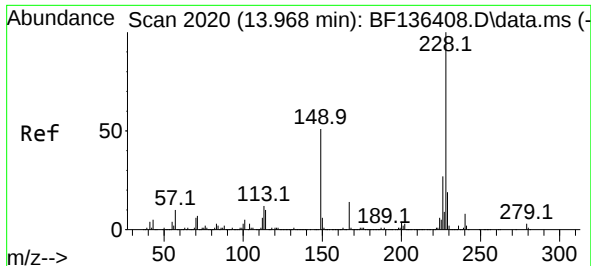
Ion Ratio Lower Upper

149 100

91 66.4 50.5 75.7

206 21.9 17.4 26.2

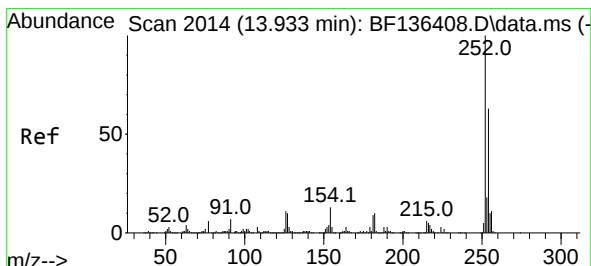
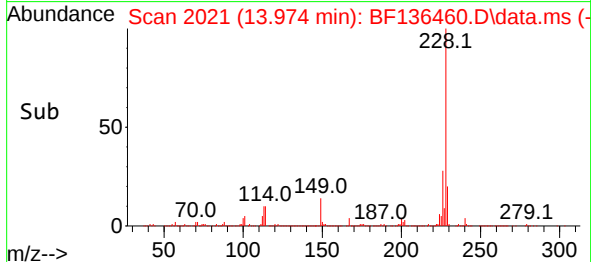
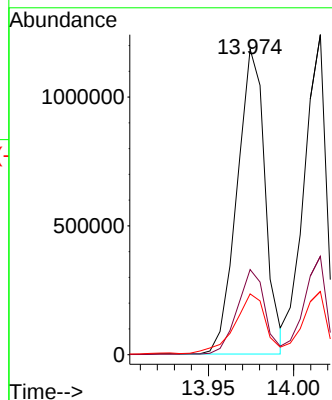
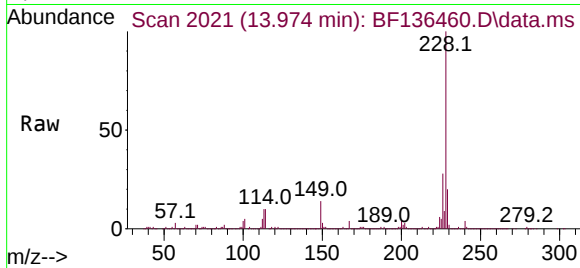




#81
Benzo(a)anthracene
Concen: 85.093 ng
RT: 13.974 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

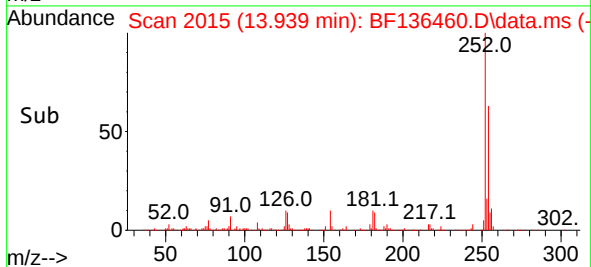
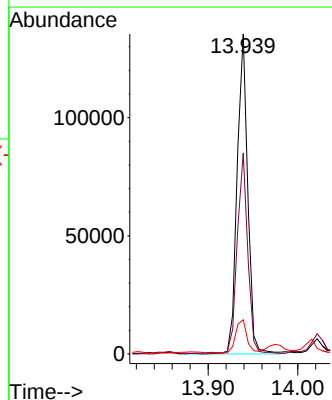
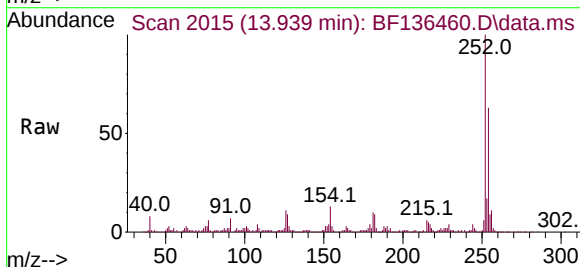
Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

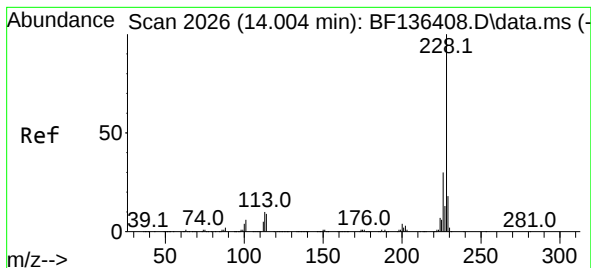
Tgt Ion:228 Resp: 1353809
Ion Ratio Lower Upper
228 100
226 27.9 21.8 32.8
229 19.9 15.0 22.4



#82
3,3'-Dichlorobenzidine
Concen: 25.141 ng
RT: 13.939 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:252 Resp: 112149
Ion Ratio Lower Upper
252 100
254 62.7 50.8 76.2
126 10.7 8.6 12.8





#83

Chrysene

Concen: 71.992 ng

RT: 14.016 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

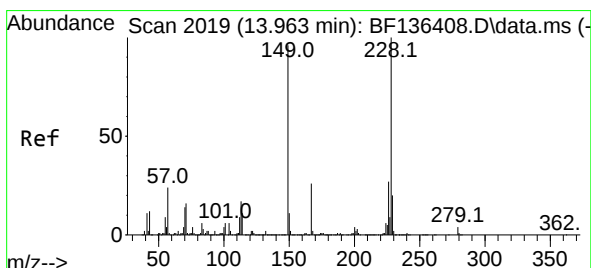
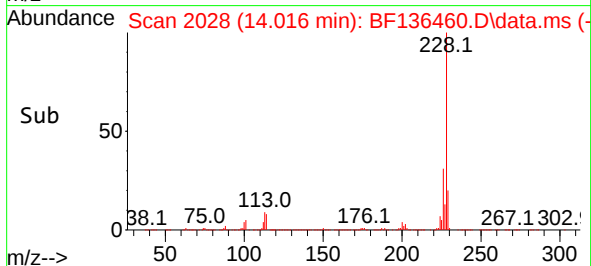
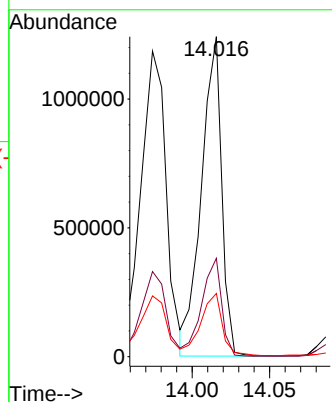
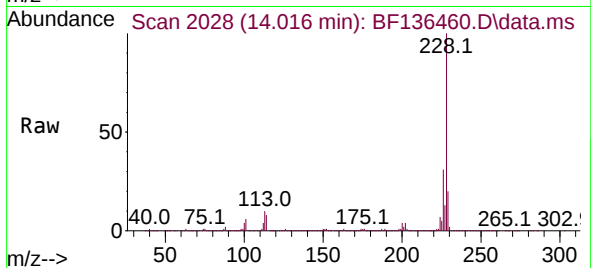
Tgt Ion:228 Resp: 1126887

Ion Ratio Lower Upper

228 100

226 30.8 23.8 35.6

229 19.8 14.8 22.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.357 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

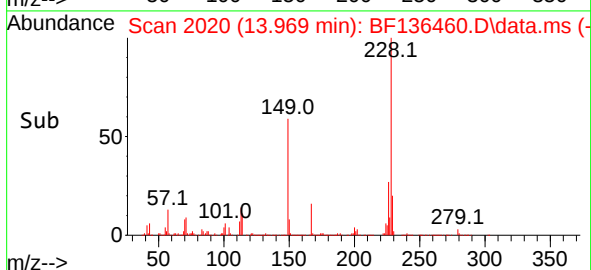
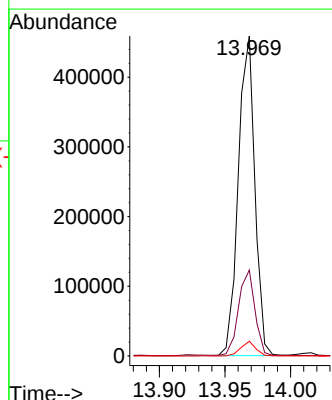
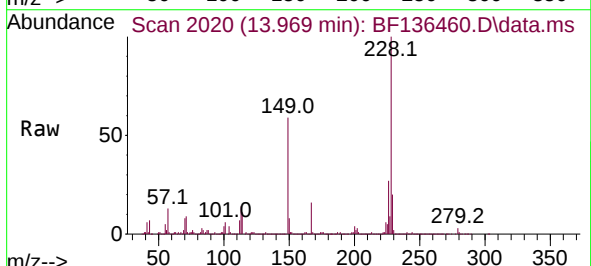
Tgt Ion:149 Resp: 403718

Ion Ratio Lower Upper

149 100

167 26.9 21.2 31.8

279 4.6 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 54.022 ng

RT: 14.580 min Scan# 2124

Delta R.T. 0.000 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

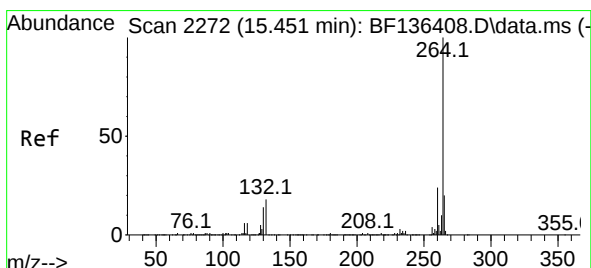
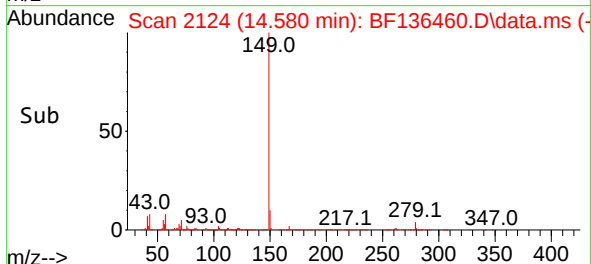
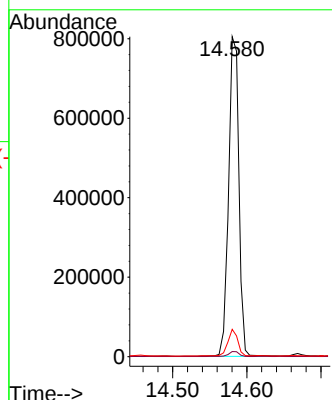
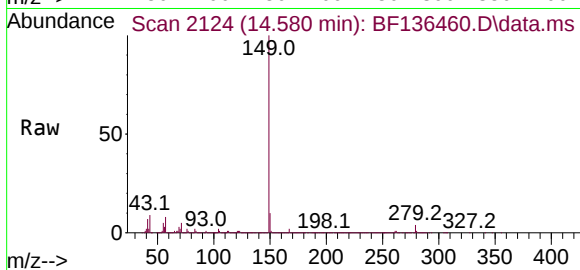
Tgt Ion:149 Resp: 778956

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.2 6.8 10.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2274

Delta R.T. 0.012 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

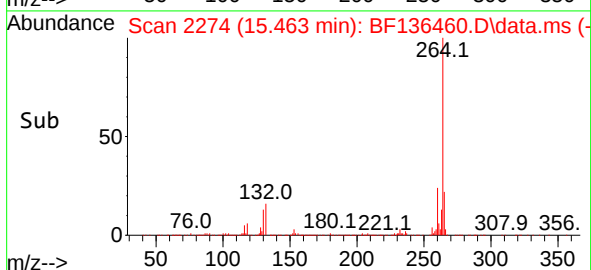
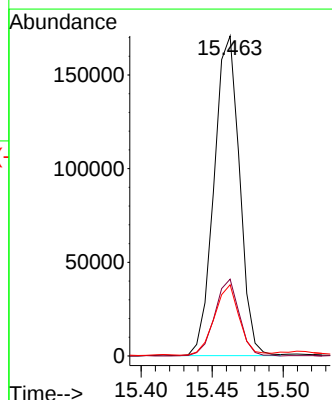
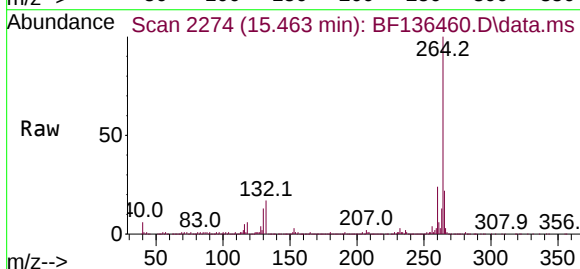
Tgt Ion:264 Resp: 212595

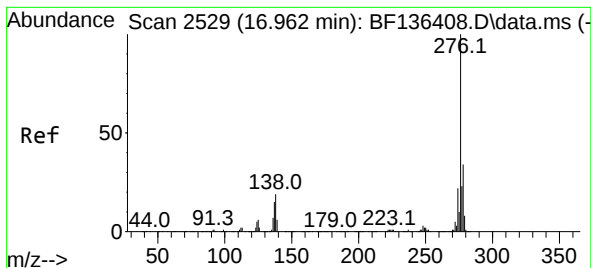
Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.2 15.9 23.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 35.642 ng

RT: 16.968 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

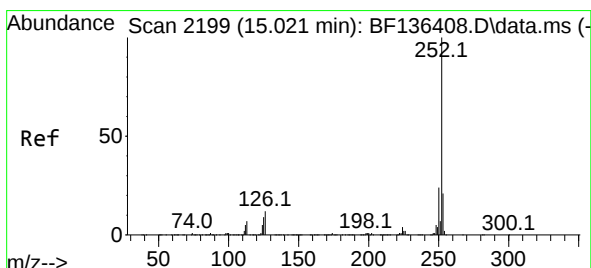
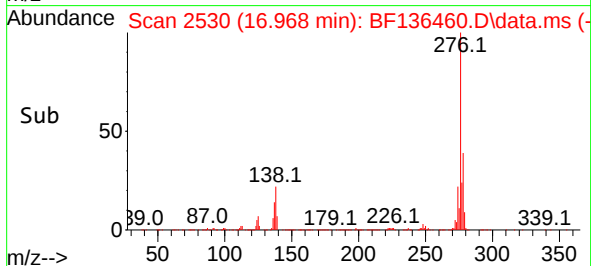
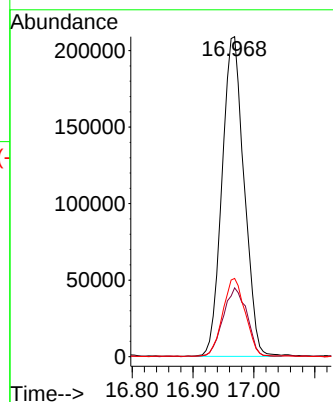
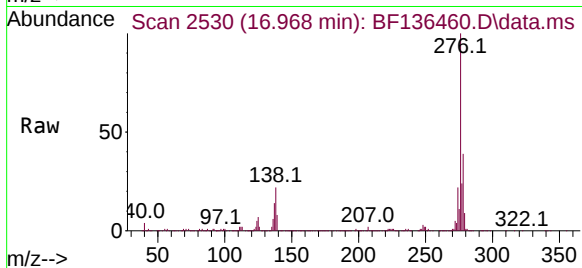
Tgt Ion:276 Resp: 526418

Ion Ratio Lower Upper

276 100

138 23.2 19.0 28.4

277 24.7 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 56.366 ng

RT: 15.027 min Scan# 2200

Delta R.T. 0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

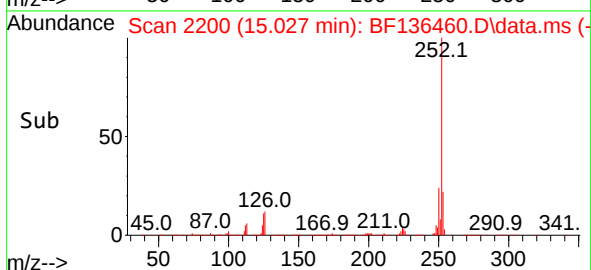
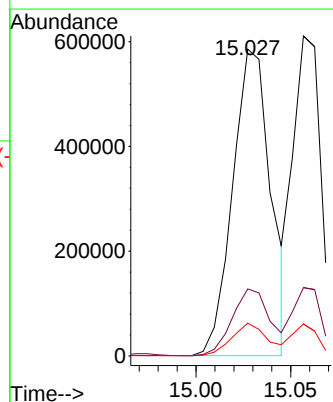
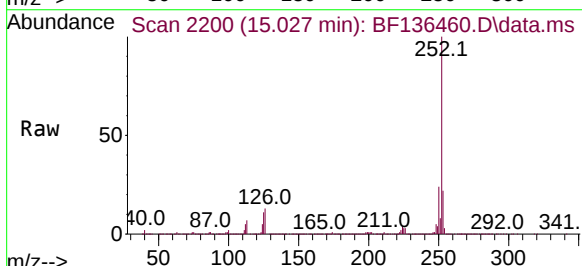
Tgt Ion:252 Resp: 819313

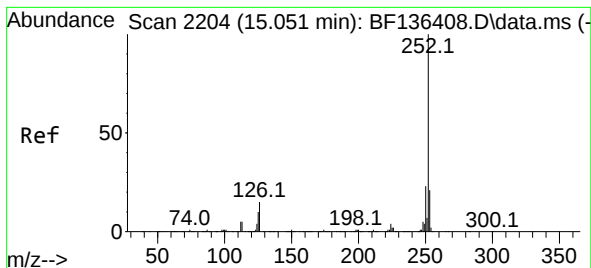
Ion Ratio Lower Upper

252 100

253 21.9 16.9 25.3

125 10.7 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 45.973 ng

RT: 15.057 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

Instrument :

BNA_F

ClientSampleId :

VNJ-216MS

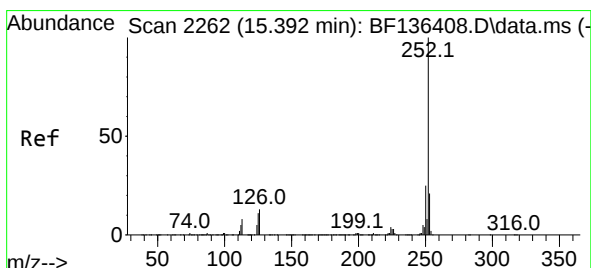
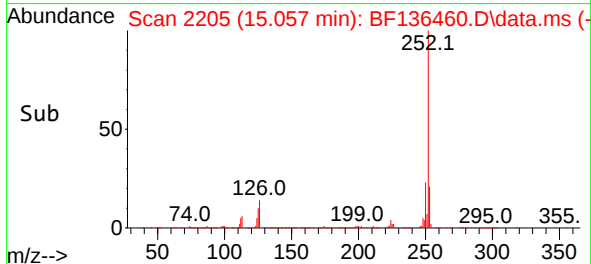
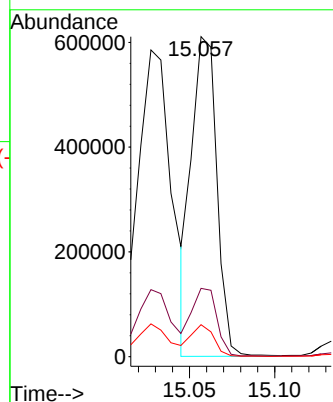
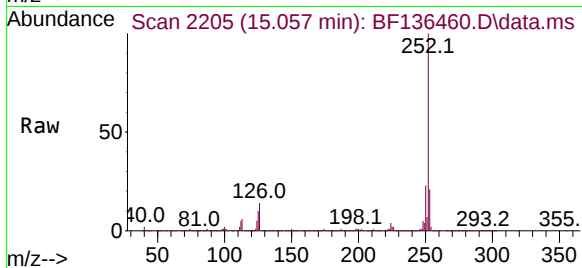
Tgt Ion:252 Resp: 629764

Ion Ratio Lower Upper

252 100

253 21.3 16.9 25.3

125 10.0 7.5 11.3



#90

Benzo(a)pyrene

Concen: 49.352 ng

RT: 15.398 min Scan# 2263

Delta R.T. 0.006 min

Lab File: BF136460.D

Acq: 07 Dec 2023 22:12

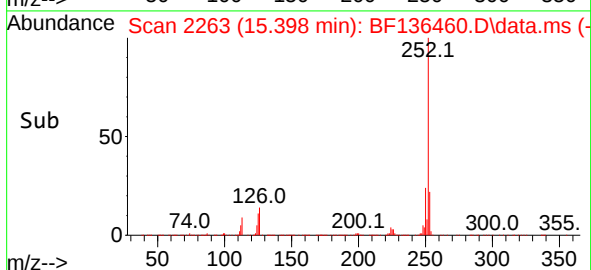
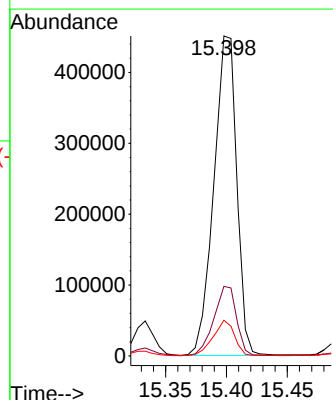
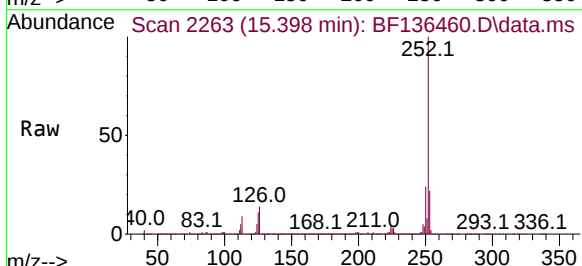
Tgt Ion:252 Resp: 592426

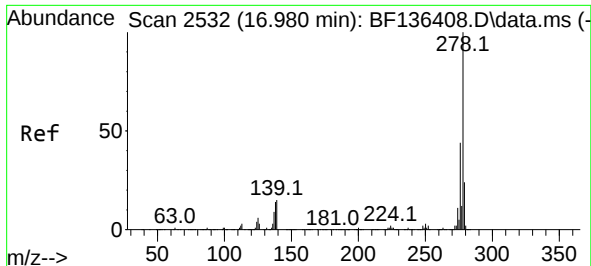
Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.4

125 11.2 8.6 13.0

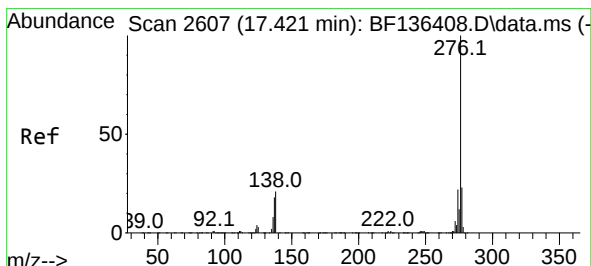
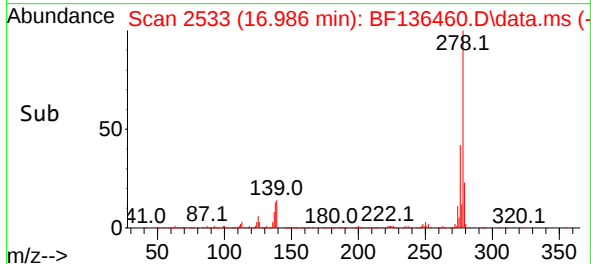
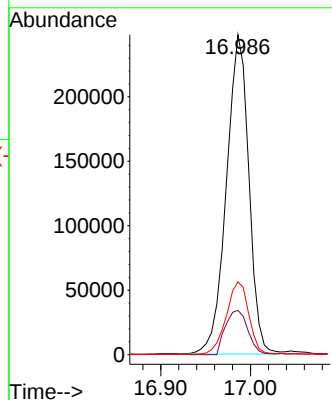
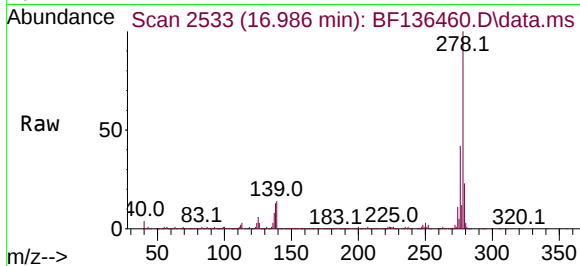




#91
Dibenzo(a,h)anthracene
Concen: 35.543 ng
RT: 16.986 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Instrument :
BNA_F
ClientSampleId :
VNJ-216MS

Tgt Ion:278 Resp: 430055
Ion Ratio Lower Upper
278 100
139 13.9 12.2 18.4
279 22.8 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 31.938 ng
RT: 17.421 min Scan# 2607
Delta R.T. 0.000 min
Lab File: BF136460.D
Acq: 07 Dec 2023 22:12

Tgt Ion:276 Resp: 396639
Ion Ratio Lower Upper
276 100
277 23.5 18.7 28.1
138 20.3 16.6 25.0

