

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120723\
 Data File : BF136461.D
 Acq On : 07 Dec 2023 22:44
 Operator : CG\JU
 Sample : 05629-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216MSD

Quant Time: Dec 08 00:44:59 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	112102	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	403610	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	171283	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	230229	20.000	ng	0.00
76) Chrysene-d12	13.986	240	216744	20.000	ng	0.00
86) Perylene-d12	15.457	264	202991	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	727530	95.844	ng	0.02
7) Phenol-d6	6.451	99	864080	91.238	ng	0.00
23) Nitrobenzene-d5	7.363	82	506501	67.842	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	151976	71.961	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	846729	67.453	ng	0.00
79) Terphenyl-d14	12.922	244	749861	45.600	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	110588	36.834	ng	98
3) Pyridine	3.393	79	265034	36.452	ng	98
4) n-Nitrosodimethylamine	3.363	42	126397	40.013	ng	100
6) Aniline	6.463	93	186302	19.465	ng	# 1
8) 2-Chlorophenol	6.593	128	327437	39.513	ng	98
9) Benzaldehyde	6.351	77	131895	25.191	ng	98
10) Phenol	6.463	94	374481	37.160	ng	90
11) bis(2-Chloroethyl)ether	6.540	93	299859	39.919	ng	98
12) 1,3-Dichlorobenzene	6.740	146	352839	37.861	ng	98
13) 1,4-Dichlorobenzene	6.816	146	356796	37.741	ng	98
14) 1,2-Dichlorobenzene	6.969	146	336265	37.826	ng	99
15) Benzyl Alcohol	6.945	79	257249	40.564	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	362498	37.521	ng	85
17) 2-Methylphenol	7.063	107	250259	37.380	ng	93
18) Hexachloroethane	7.310	117	119414	36.180	ng	94
19) n-Nitroso-di-n-propyla...	7.216	70	205326	37.584	ng	99
20) 3+4-Methylphenols	7.216	107	306397	36.871	ng	# 85
22) Acetophenone	7.210	105	444827	44.632	ng	# 97
24) Nitrobenzene	7.381	77	304319	40.519	ng	100
25) Isophorone	7.622	82	554739	41.358	ng	100
26) 2-Nitrophenol	7.698	139	150753	40.829	ng	95
27) 2,4-Dimethylphenol	7.745	122	230491	50.626	ng	98
28) bis(2-Chloroethoxy)met...	7.840	93	350513	42.527	ng	98
29) 2,4-Dichlorophenol	7.945	162	246113	40.954	ng	99
30) 1,2,4-Trichlorobenzene	8.022	180	284875	40.653	ng	98
31) Naphthalene	8.116	128	4868563	218.738	ng	97
32) Benzoic acid	7.857	122	109020	24.138	ng	94
33) 4-Chloroaniline	8.151	127	70681	8.908	ng	98
34) Hexachlorobutadiene	8.216	225	165309	39.805	ng	97
35) Caprolactam	8.522	113	68549	37.041	ng	96
36) 4-Chloro-3-methylphenol	8.645	107	227487	35.652	ng	99
37) 2-Methylnaphthalene	8.804	142	2314332	163.442	ng	100
38) 1-Methylnaphthalene	8.898	142	1441480	103.742	ng	100
40) 1,2,4,5-Tetrachloroben...	8.957	216	249651	46.849	ng	100
41) Hexachlorocyclopentadiene	8.945	237	120070	60.819	ng	100
43) 2,4,6-Trichlorophenol	9.075	196	145960	42.066	ng	98

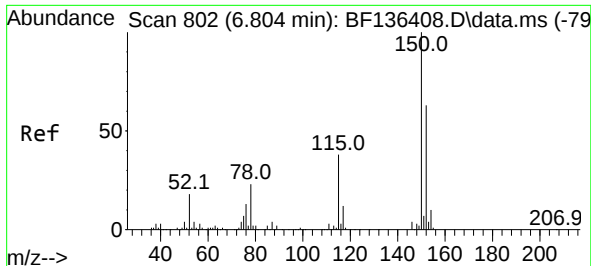
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 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	147316	38.041	ng	95
46) 1,1'-Biphenyl	9.263	154	1299251	89.146	ng	99
47) 2-Chloronaphthalene	9.281	162	465222	41.012	ng	98
48) 2-Nitroaniline	9.386	65	124601	40.955	ng	91
49) Acenaphthylene	9.698	152	696900	43.127	ng	98
50) Dimethylphthalate	9.563	163	518720	41.134	ng	99
51) 2,6-Dinitrotoluene	9.628	165	104361	36.786	ng	89
52) Acenaphthene	9.881	154	1980532	191.263	ng	98
53) 3-Nitroaniline	9.798	138	71338	24.624	ng	98
54) 2,4-Dinitrophenol	9.910	184	24838	17.316	ng	# 17
55) Dibenzofuran	10.057	168	2923881	193.284	ng	98
56) 4-Nitrophenol	9.969	139	159808	73.584	ng	93
57) 2,4-Dinitrotoluene	10.039	165	127507	33.975	ng	# 72
58) Fluorene	10.404	166	2535014	208.760	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.169	232	103234	33.280	ng	# 77
60) Diethylphthalate	10.269	149	442629	35.695	ng	98
61) 4-Chlorophenyl-phenyle...	10.386	204	191977	32.430	ng	96
62) 4-Nitroaniline	10.404	138	90237	31.369	ng	82
63) Azobenzene	10.539	77	369157	32.707	ng	# 63
65) 4,6-Dinitro-2-methylph...	10.445	198	19837	13.913	ng	91
66) n-Nitrosodiphenylamine	10.498	169	436236	59.050	ng	90
67) 4-Bromophenyl-phenylether	10.869	248	116986	43.704	ng	# 88
68) Hexachlorobenzene	10.945	284	123925	40.057	ng	# 91
69) Atrazine	11.039	200	111621	52.938	ng	99
70) Pentachlorophenol	11.145	266	147834	84.667	ng	98
71) Phenanthrene	11.375	178	5980445	472.597	ng	97
72) Anthracene	11.416	178	1356684	106.442	ng	99
73) Carbazole	11.563	167	772395	68.469	ng	99
74) Di-n-butylphthalate	11.898	149	582922	42.151	ng	99
75) Fluoranthene	12.563	202	3376361	254.606	ng	99
77) Benzidine	12.674	184	313634	52.374	ng	98
78) Pyrene	12.786	202	2563469	120.764	ng	99
80) Butylbenzylphthalate	13.404	149	271868	35.978	ng	99
81) Benzo(a)anthracene	13.974	228	1268448	84.017	ng	99
82) 3,3'-Dichlorobenzidine	13.939	252	119335	28.191	ng	99
83) Chrysene	14.016	228	1060072	71.366	ng	99
84) Bis(2-ethylhexyl)phtha...	13.969	149	380514	41.077	ng	# 99
85) Di-n-octyl phthalate	14.580	149	726563	53.099	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	488740	34.657	ng	99
88) Benzo(b)fluoranthene	15.027	252	768645	55.382	ng	98
89) Benzo(k)fluoranthene	15.057	252	579513	44.306	ng	99
90) Benzo(a)pyrene	15.398	252	549251	47.920	ng	100
91) Dibenzo(a,h)anthracene	16.986	278	399764	34.602	ng	99
92) Benzo(g,h,i)perylene	17.421	276	370214	31.220	ng	99

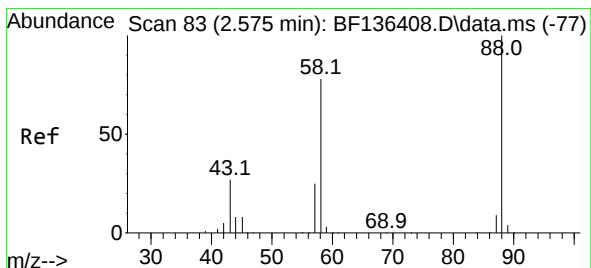
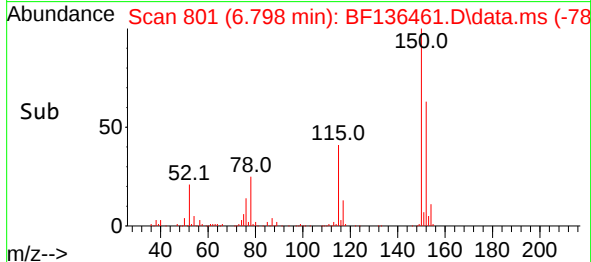
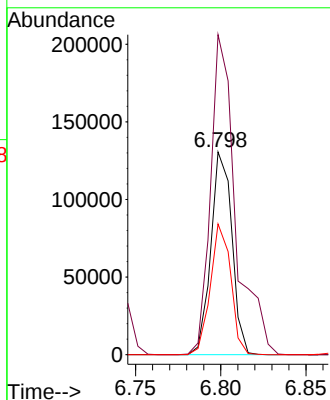
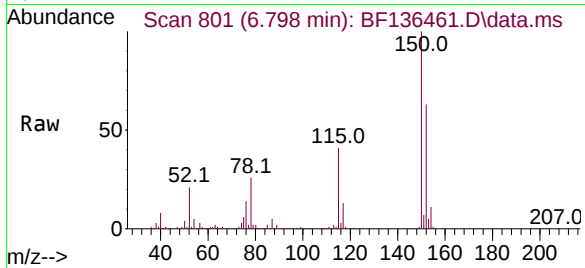
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF136461.D
 Acq: 07 Dec 2023 22:44

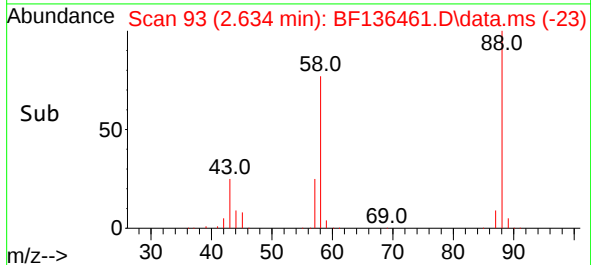
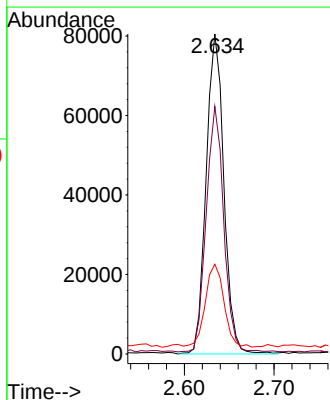
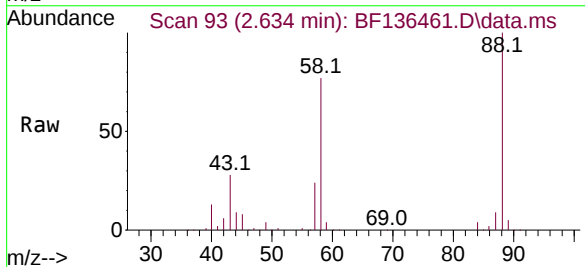
Instrument :
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 VNJ-216MSD

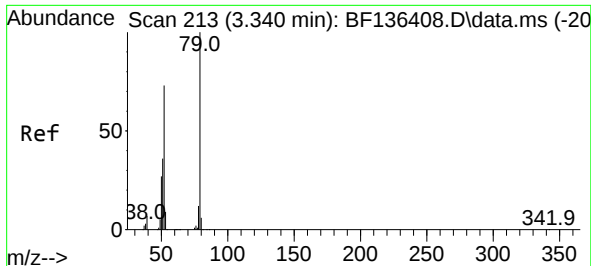
Tgt Ion:152 Resp: 112102
 Ion Ratio Lower Upper
 152 100
 150 157.8 126.4 189.6
 115 64.4 48.2 72.4



#2
 1,4-Dioxane
 Concen: 36.834 ng
 RT: 2.634 min Scan# 93
 Delta R.T. 0.059 min
 Lab File: BF136461.D
 Acq: 07 Dec 2023 22:44

Tgt Ion: 88 Resp: 110588
 Ion Ratio Lower Upper
 88 100
 58 75.7 62.2 93.2
 43 27.2 21.5 32.3

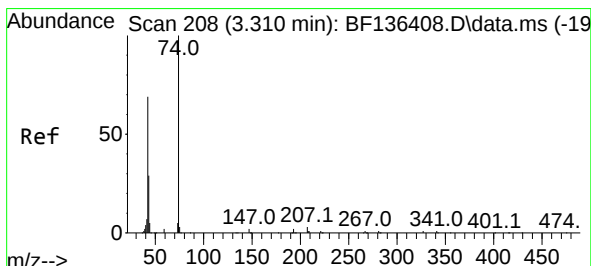
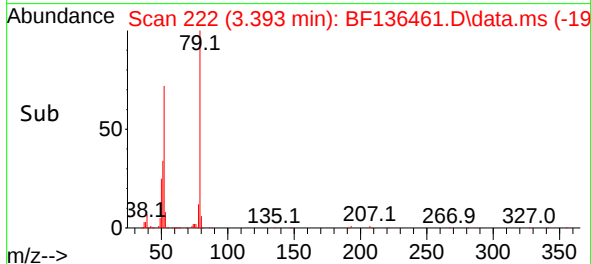
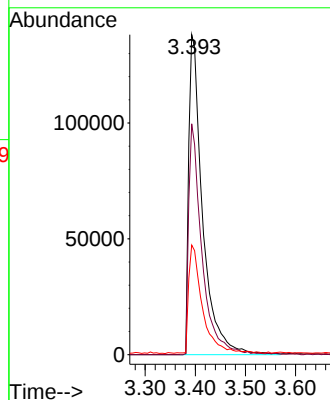
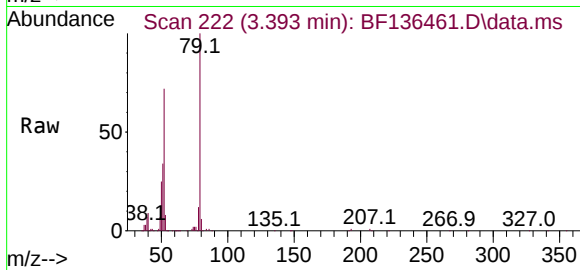




#3
 Pyridine
 Concen: 36.452 ng
 RT: 3.393 min Scan# 21
 Delta R.T. 0.053 min
 Lab File: BF136461.D
 Acq: 07 Dec 2023 22:44

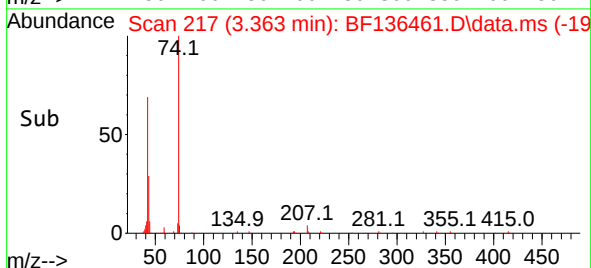
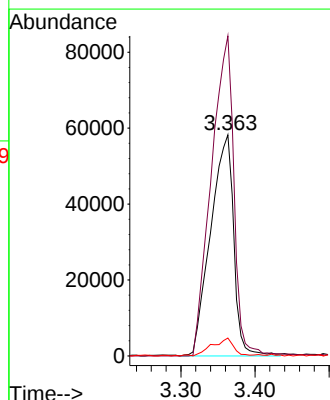
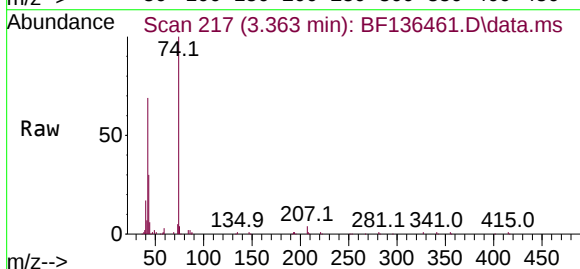
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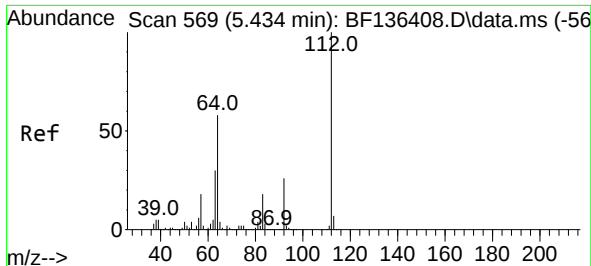
Tgt Ion: 79 Resp: 265034
 Ion Ratio Lower Upper
 79 100
 52 72.2 58.2 87.2
 51 34.3 29.1 43.7



#4
 n-Nitrosodimethylamine
 Concen: 40.013 ng
 RT: 3.363 min Scan# 217
 Delta R.T. 0.053 min
 Lab File: BF136461.D
 Acq: 07 Dec 2023 22:44

Tgt Ion: 42 Resp: 126397
 Ion Ratio Lower Upper
 42 100
 74 144.7 115.4 173.0
 44 8.1 6.2 9.2

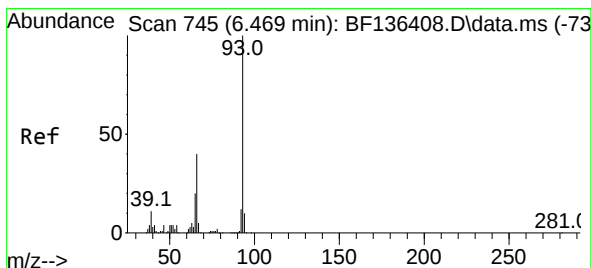
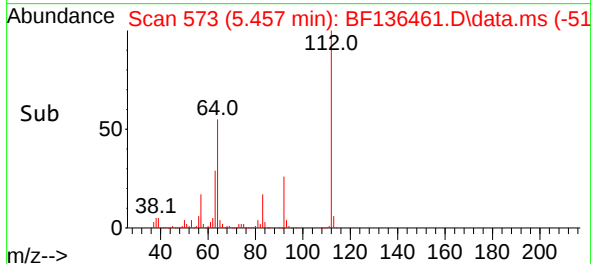
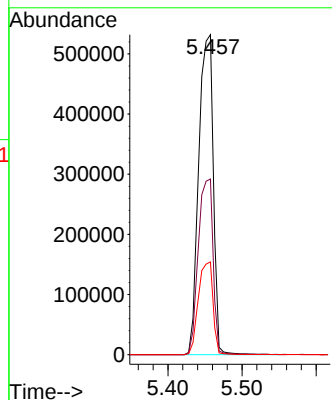
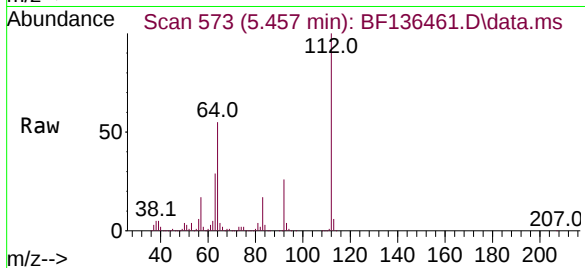




#5
2-Fluorophenol
Concen: 95.844 ng
RT: 5.457 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

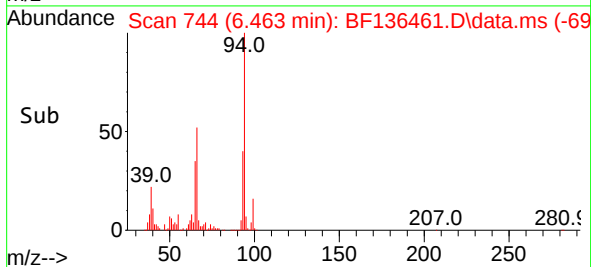
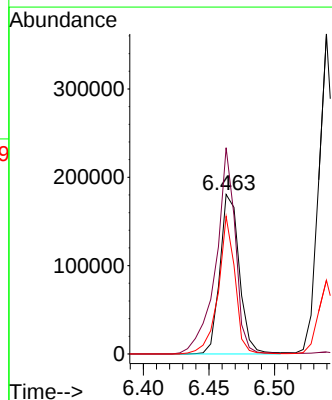
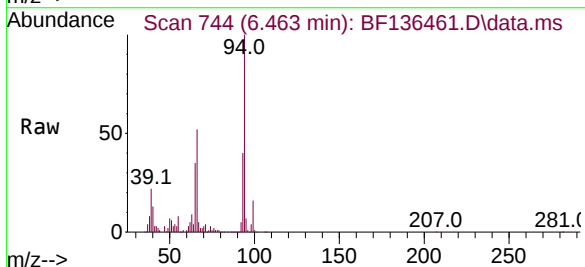
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

Tgt Ion:112 Resp: 727530
Ion Ratio Lower Upper
112 100
64 54.9 46.5 69.7
63 29.0 23.9 35.9



#6
Aniline
Concen: 19.465 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion: 93 Resp: 186302
Ion Ratio Lower Upper
93 100
66 129.3 32.5 48.7#
65 86.2 16.4 24.6#

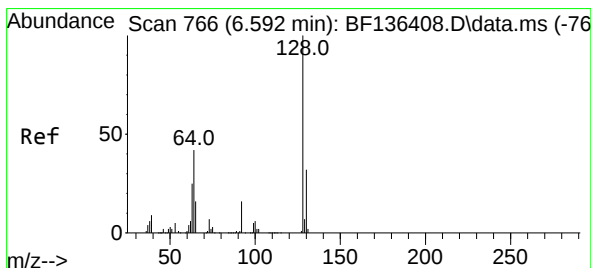
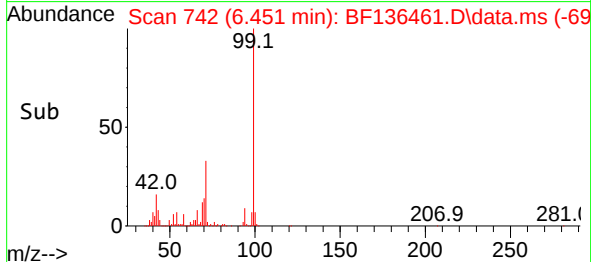
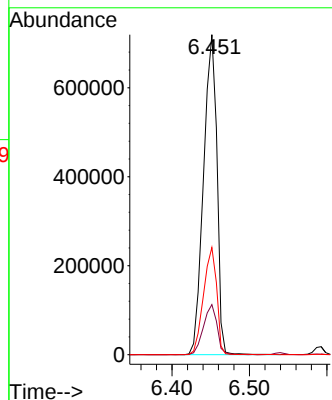
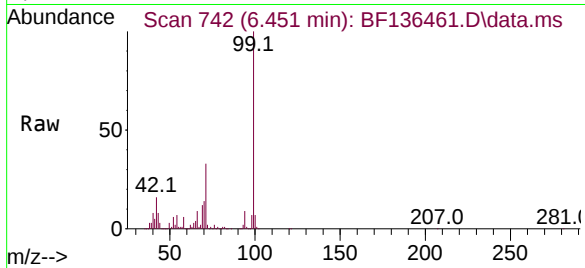




#7
Phenol-d6
Concen: 91.238 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

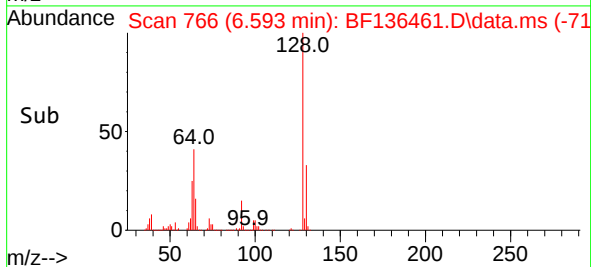
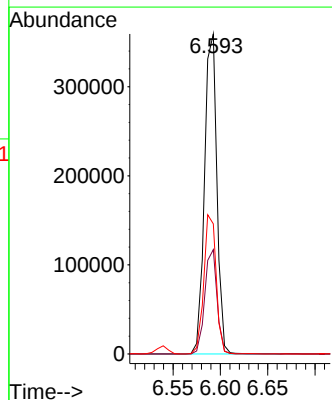
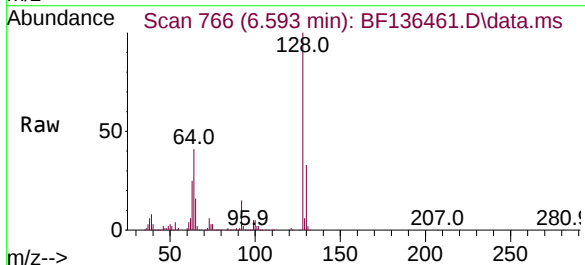
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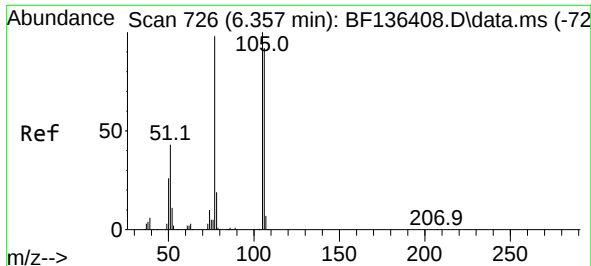
Tgt Ion: 99 Resp: 864080
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 33.5 27.0 40.4



#8
2-Chlorophenol
Concen: 39.513 ng
RT: 6.593 min Scan# 766
Delta R.T. 0.000 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:128 Resp: 327437
Ion Ratio Lower Upper
128 100
130 32.6 11.7 51.7
64 40.6 22.5 62.5





#9

Benzaldehyde

Concen: 25.191 ng

RT: 6.351 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

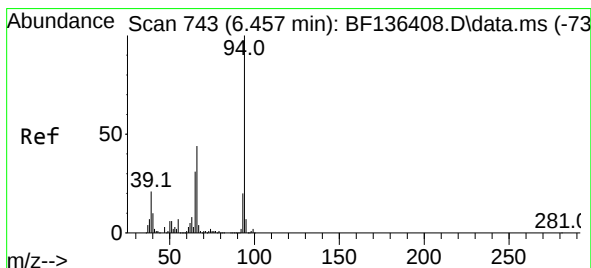
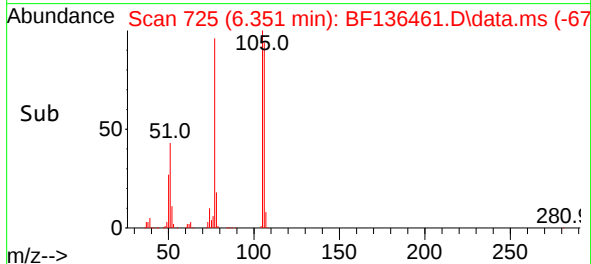
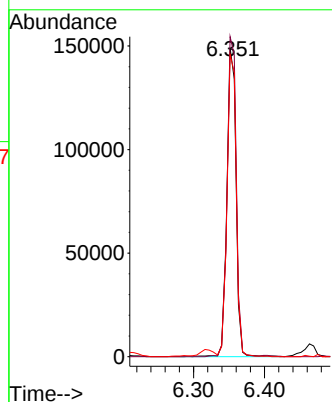
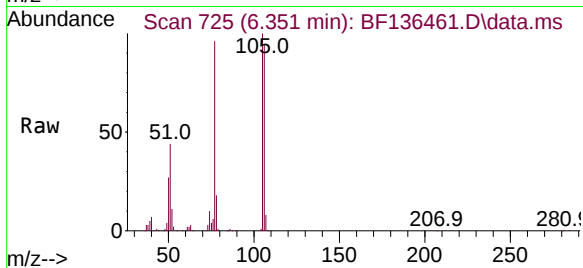
Tgt Ion: 77 Resp: 131895

Ion Ratio Lower Upper

77 100

105 103.7 82.5 122.5

106 97.9 74.5 114.5



#10

Phenol

Concen: 37.160 ng

RT: 6.463 min Scan# 744

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

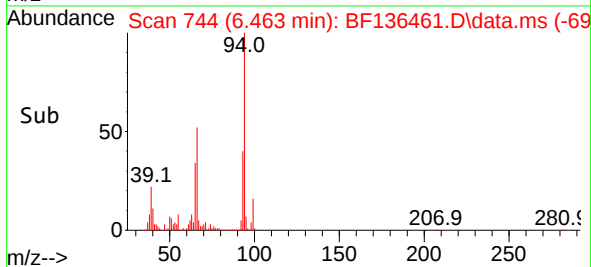
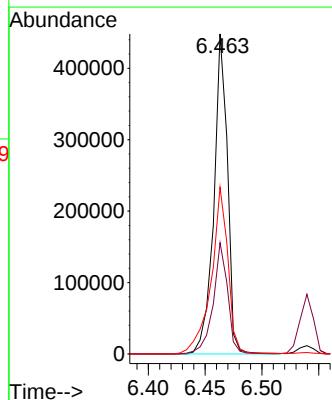
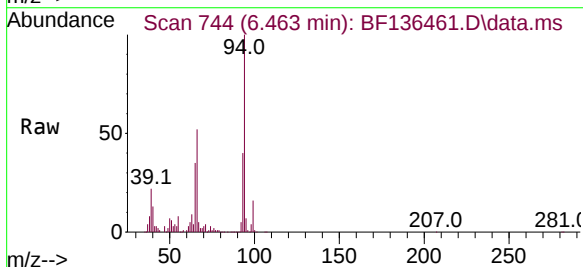
Tgt Ion: 94 Resp: 374481

Ion Ratio Lower Upper

94 100

65 34.8 11.2 51.2

66 52.1 24.2 64.2

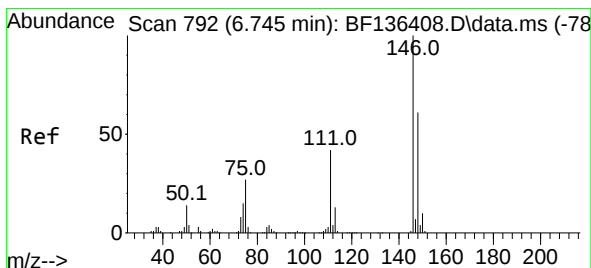
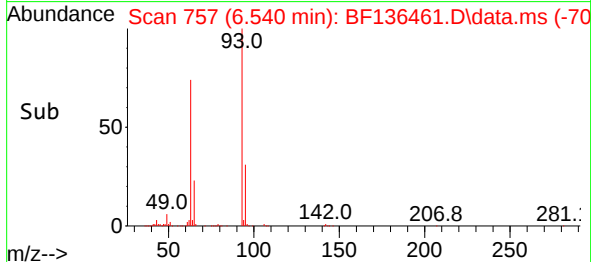
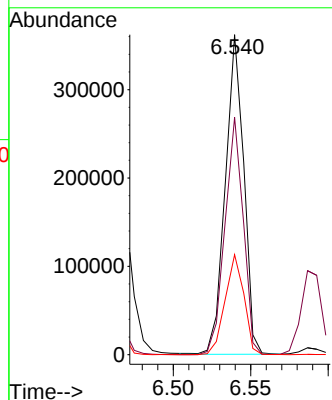
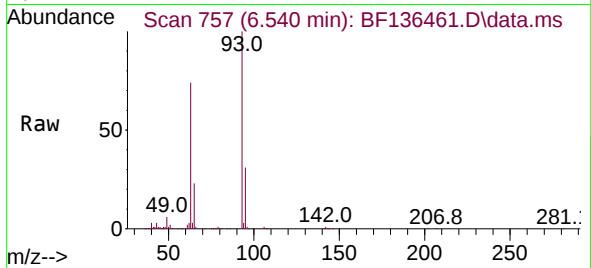




#11
bis(2-Chloroethyl)ether
Concen: 39.919 ng
RT: 6.540 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

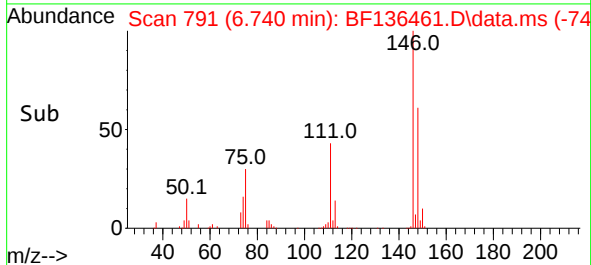
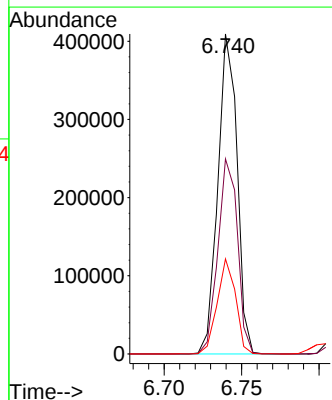
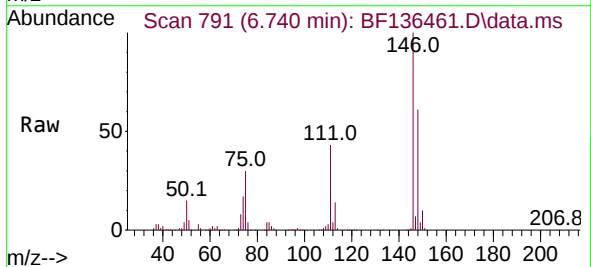
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

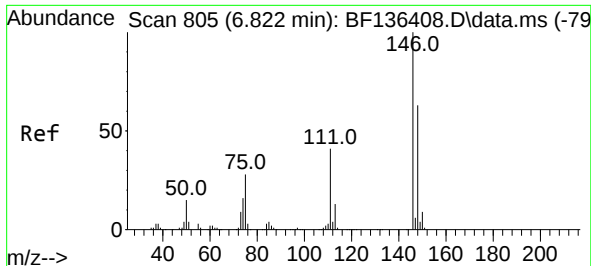
Tgt Ion: 93 Resp: 299859
Ion Ratio Lower Upper
93 100
63 74.2 56.8 96.8
95 31.3 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 37.861 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion: 146 Resp: 352839
Ion Ratio Lower Upper
146 100
148 61.0 49.0 73.6
75 29.7 21.8 32.6





#13

1,4-Dichlorobenzene

Concen: 37.741 ng

RT: 6.816 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

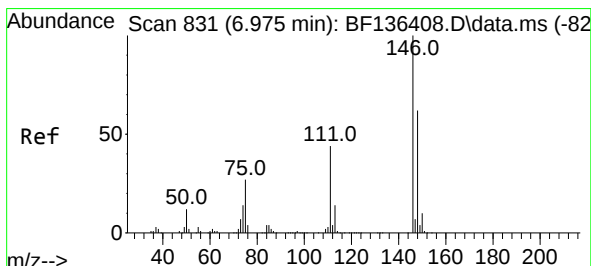
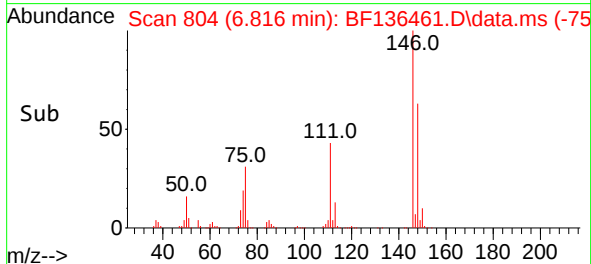
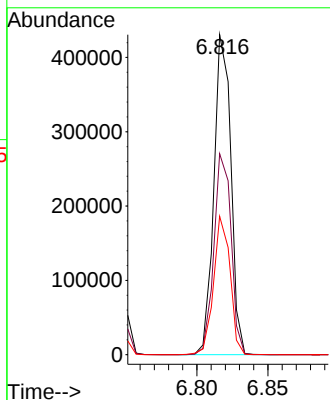
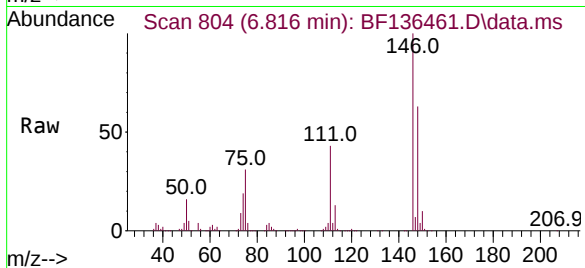
Tgt Ion:146 Resp: 356796

Ion Ratio Lower Upper

146 100

148 62.8 50.3 75.5

111 43.2 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 37.826 ng

RT: 6.969 min Scan# 830

Delta R.T. -0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

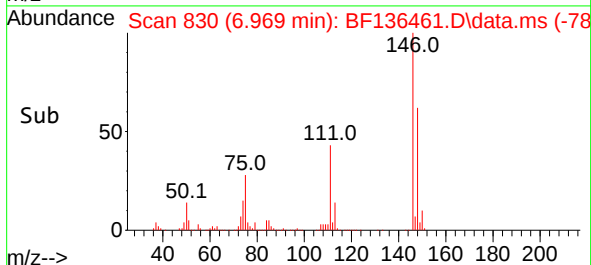
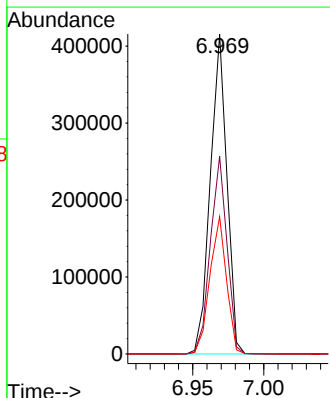
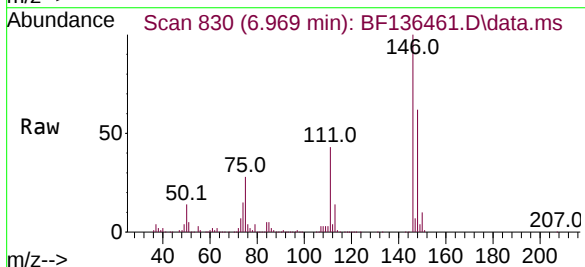
Tgt Ion:146 Resp: 336265

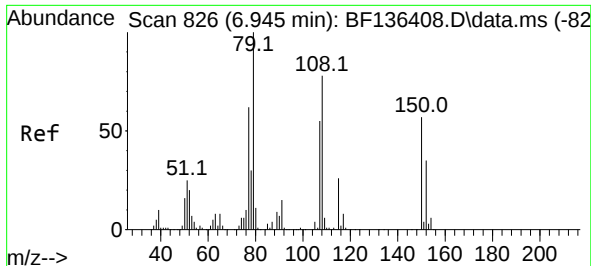
Ion Ratio Lower Upper

146 100

148 61.9 49.8 74.6

111 42.9 34.9 52.3

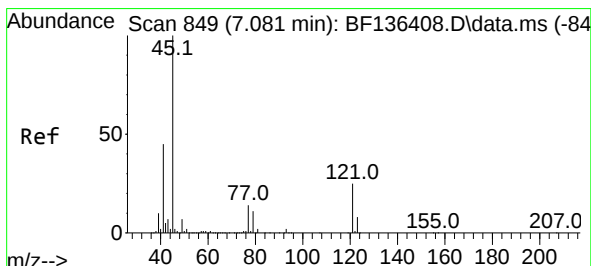
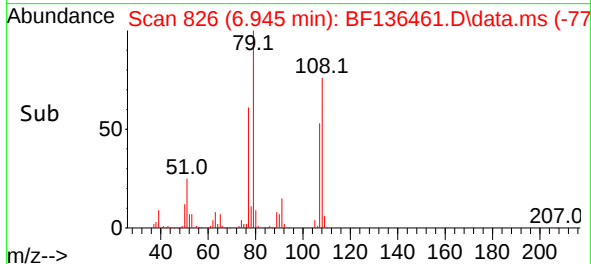
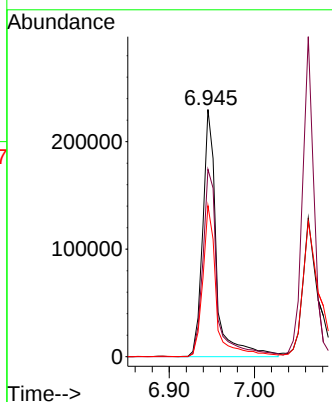
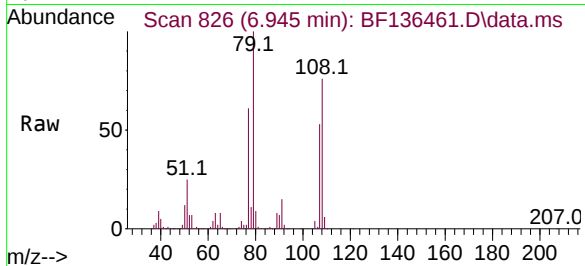




#15
Benzyl Alcohol
Concen: 40.564 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

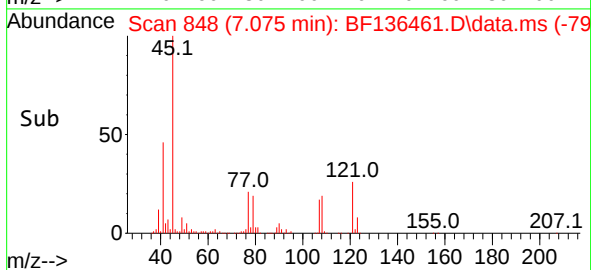
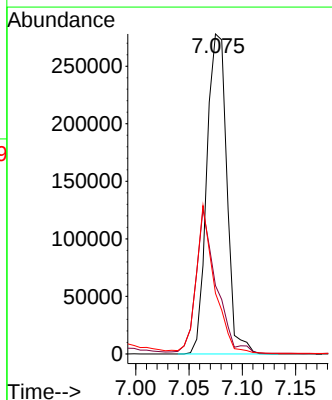
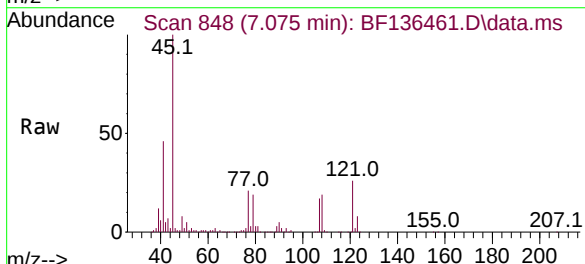
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

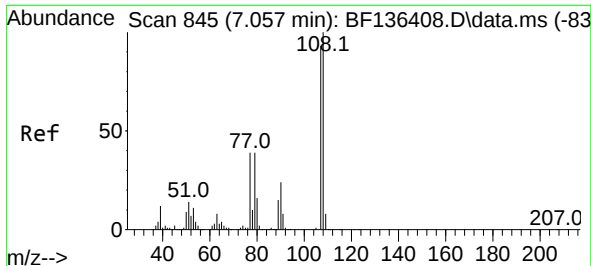
Tgt Ion: 79 Resp: 257249
Ion Ratio Lower Upper
79 100
108 75.8 62.3 93.5
77 61.1 49.8 74.8



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.521 ng
RT: 7.075 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion: 45 Resp: 362498
Ion Ratio Lower Upper
45 100
77 21.4 0.0 35.3
79 19.0 0.0 32.5

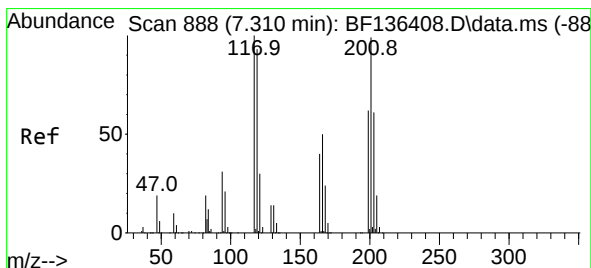
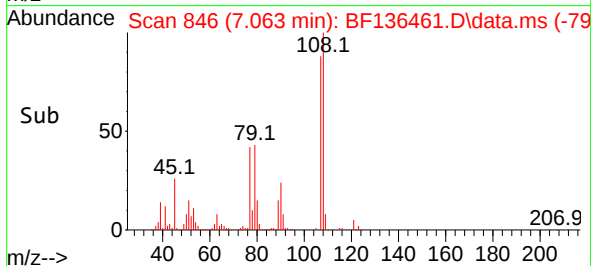
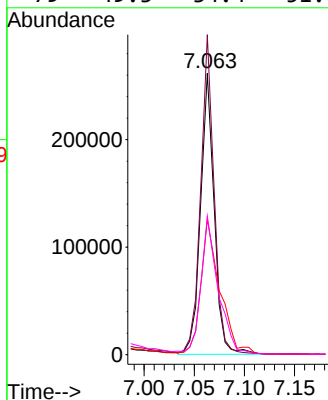
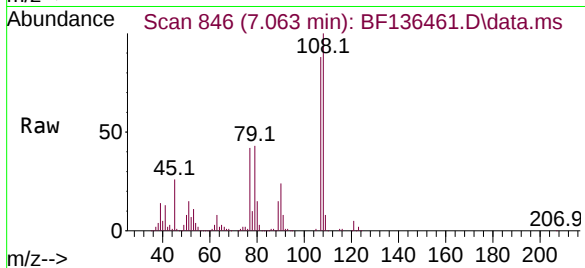




#17
2-Methylphenol
Concen: 37.380 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

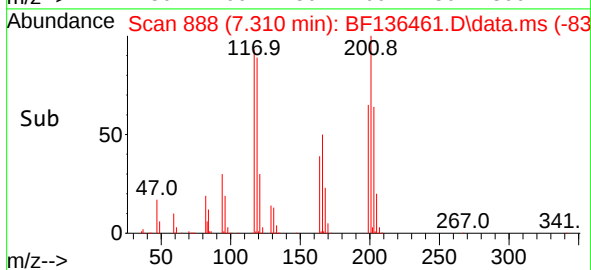
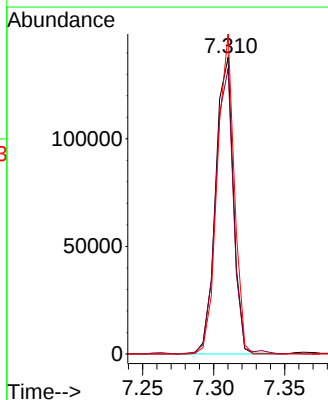
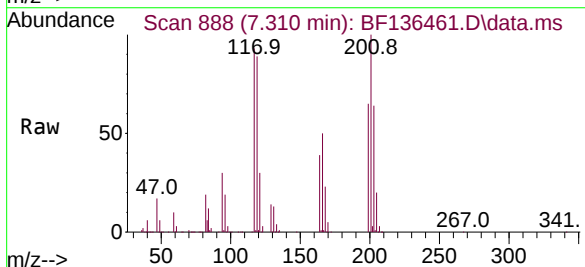
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

Tgt Ion:	107	Resp:	250259
Ion	Ratio	Lower	Upper
107	100		
108	113.7	86.5	129.7
77	48.1	33.8	50.8
79	49.3	34.4	51.6



#18
Hexachloroethane
Concen: 36.180 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:	117	Resp:	119414
Ion	Ratio	Lower	Upper
117	100		
119	96.3	74.3	111.5
201	107.9	79.3	118.9





#19

n-Nitroso-di-n-propylamine

Concen: 37.584 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

Tgt Ion: 70 Resp: 205326

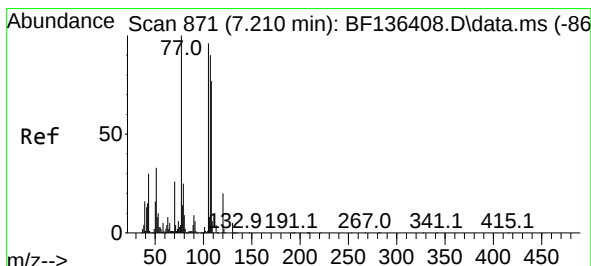
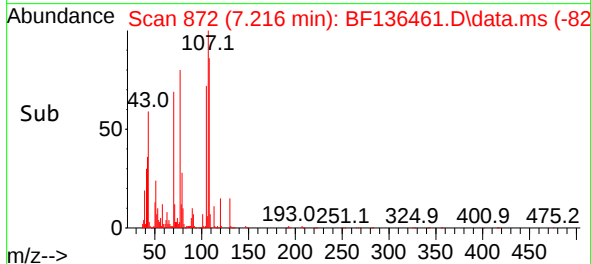
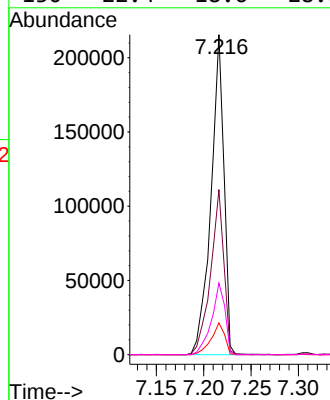
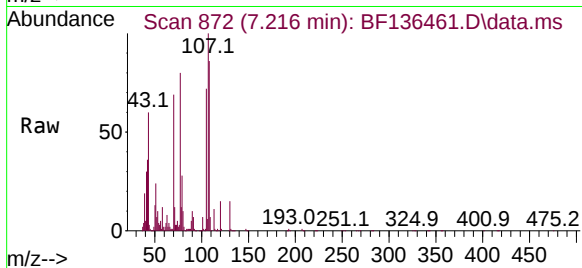
Ion Ratio Lower Upper

70 100

42 51.6 41.4 62.0

101 10.0 8.2 12.4

130 22.4 18.6 28.0



#20

3+4-Methylphenols

Concen: 36.871 ng

RT: 7.216 min Scan# 872

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Tgt Ion: 107 Resp: 306397

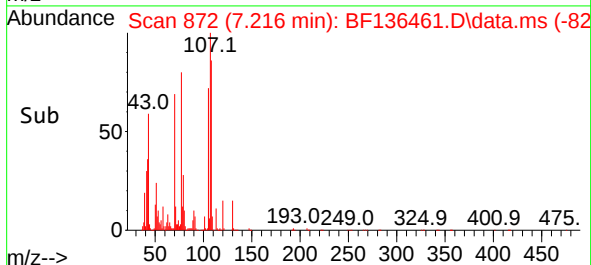
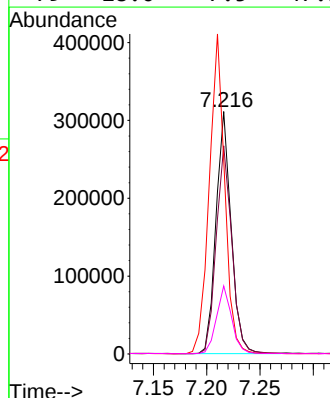
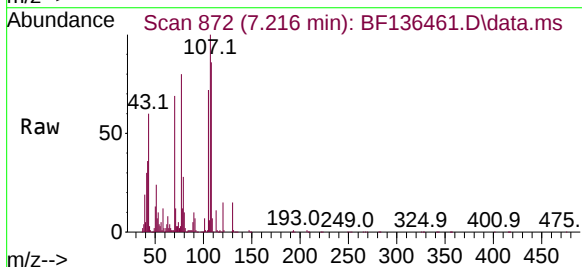
Ion Ratio Lower Upper

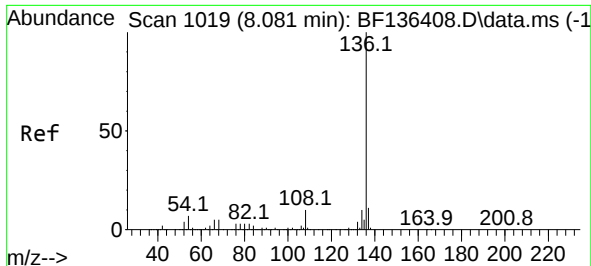
107 100

108 85.9 65.9 105.9

77 79.9 91.7 131.7#

79 28.0 7.5 47.5

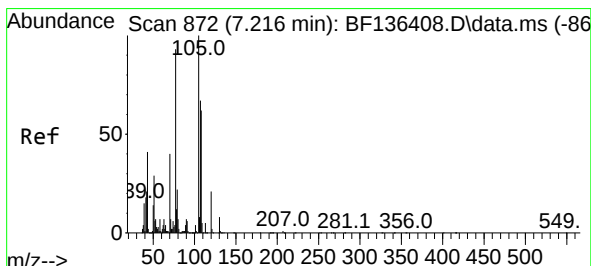
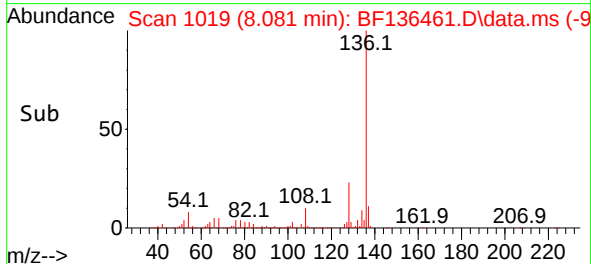
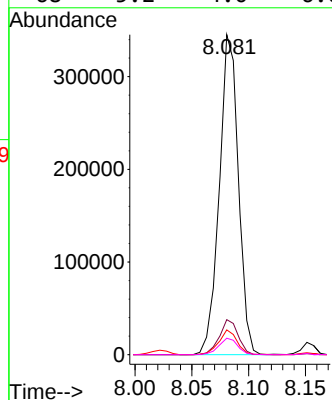
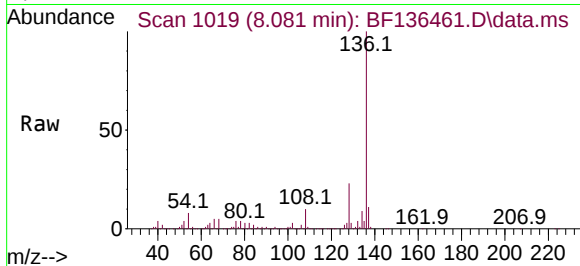




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

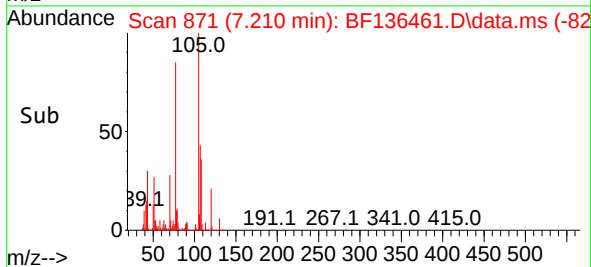
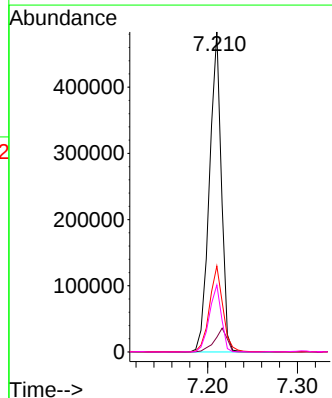
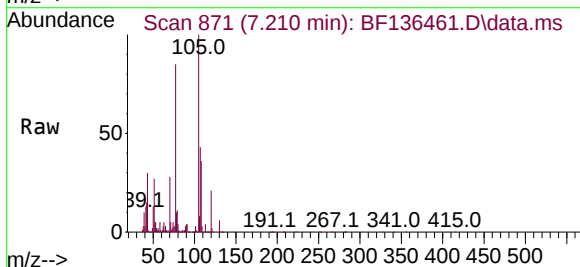
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

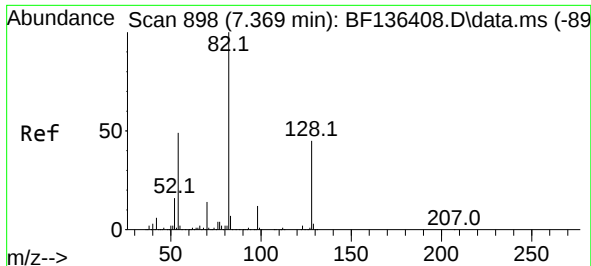
Tgt Ion:136 Resp: 403610
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 7.7 5.7 8.5
68 5.2 4.0 6.0



#22
Acetophenone
Concen: 44.632 ng
RT: 7.210 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:105 Resp: 444827
Ion Ratio Lower Upper
105 100
71 4.6 5.4 8.0#
51 26.9 23.4 35.2
120 21.0 16.6 24.8





#23

Nitrobenzene-d5

Concen: 67.842 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

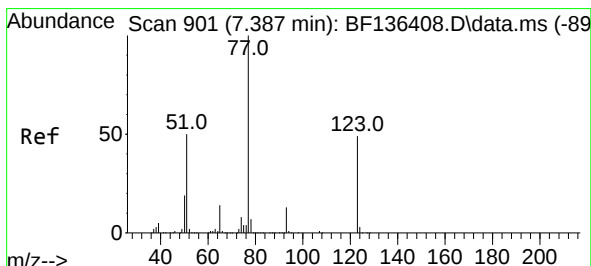
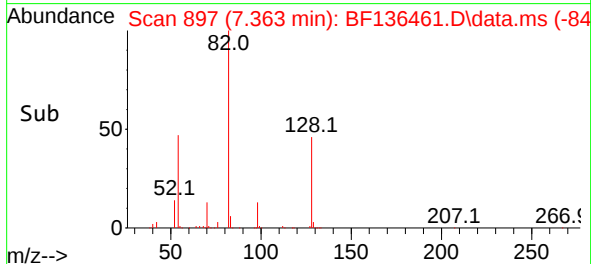
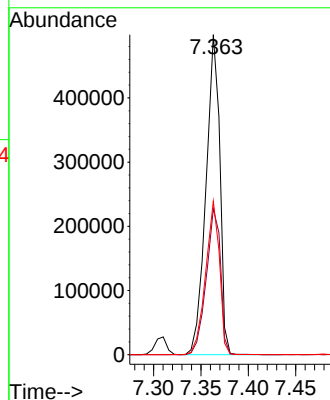
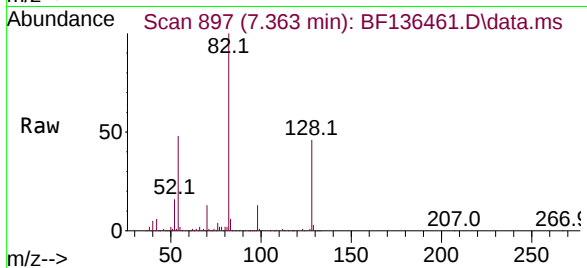
Tgt Ion: 82 Resp: 506501

Ion Ratio Lower Upper

82 100

128 45.6 36.3 54.5

54 48.0 39.0 58.6



#24

Nitrobenzene

Concen: 40.519 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

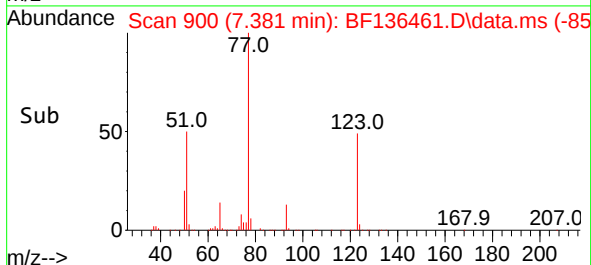
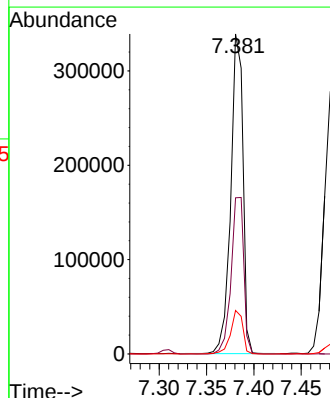
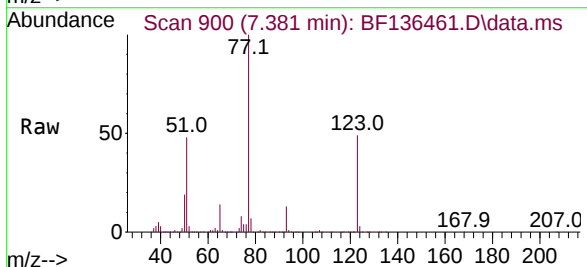
Tgt Ion: 77 Resp: 304319

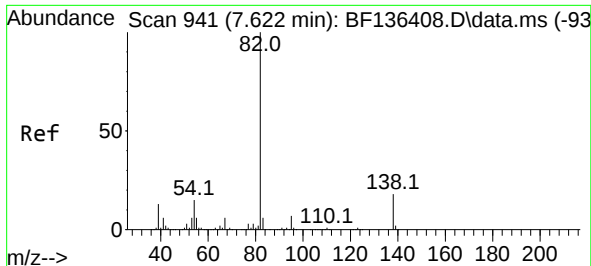
Ion Ratio Lower Upper

77 100

123 48.8 39.0 58.6

65 13.6 11.3 16.9

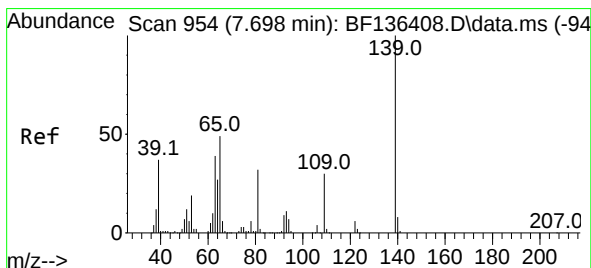
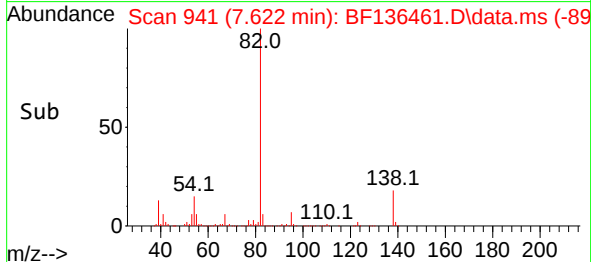
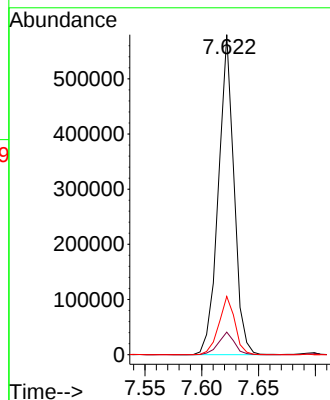
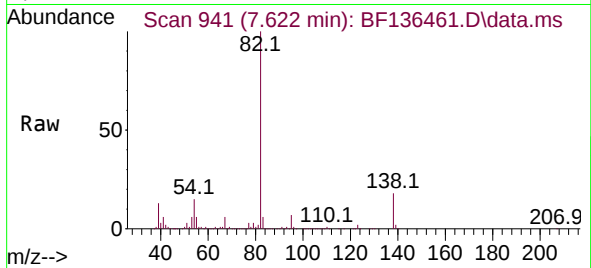




#25
Isophorone
Concen: 41.358 ng
RT: 7.622 min Scan# 941
Delta R.T. 0.000 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

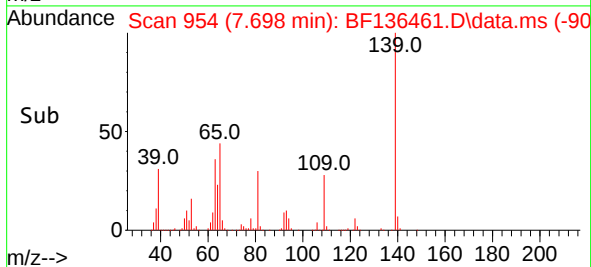
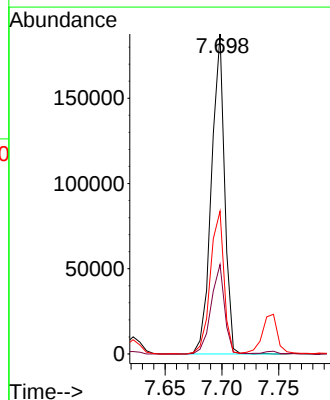
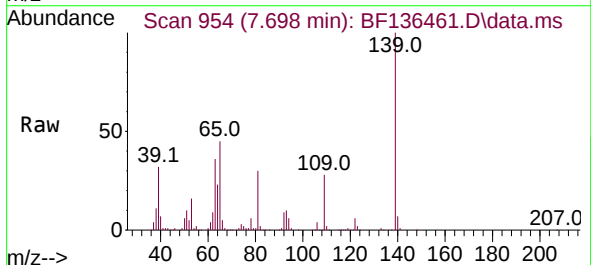
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

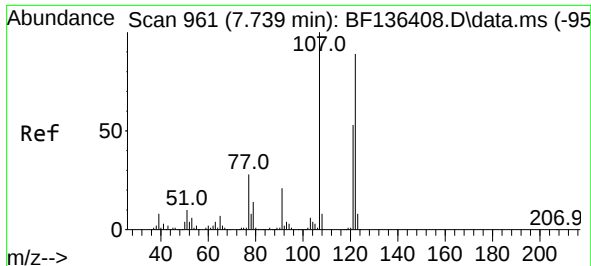
Tgt Ion: 82 Resp: 554739
Ion Ratio Lower Upper
82 100
95 7.1 5.7 8.5
138 18.2 14.5 21.7



#26
2-Nitrophenol
Concen: 40.829 ng
RT: 7.698 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion: 139 Resp: 150753
Ion Ratio Lower Upper
139 100
109 28.0 23.6 35.4
65 44.6 39.4 59.2





#27

2,4-Dimethylphenol

Concen: 50.626 ng

RT: 7.745 min Scan# 9

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

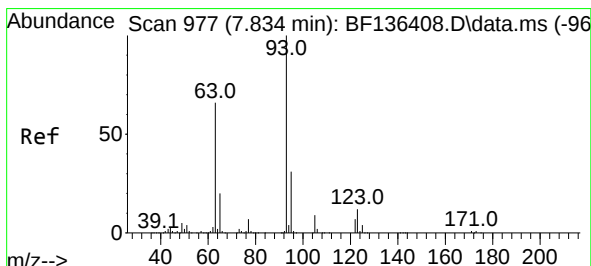
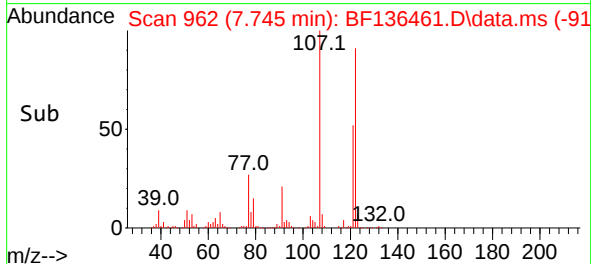
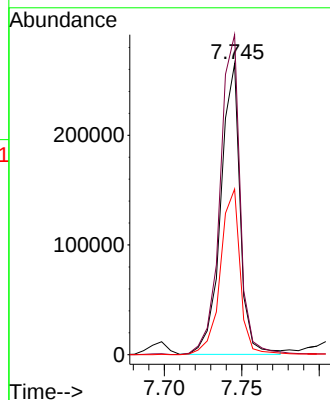
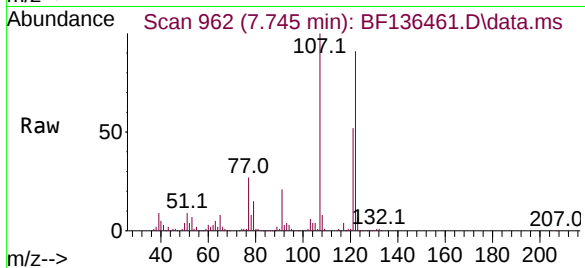
Tgt Ion:122 Resp: 230491

Ion Ratio Lower Upper

122 100

107 110.0 89.3 133.9

121 56.9 47.6 71.4



#28

bis(2-Chloroethoxy)methane

Concen: 42.527 ng

RT: 7.840 min Scan# 978

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

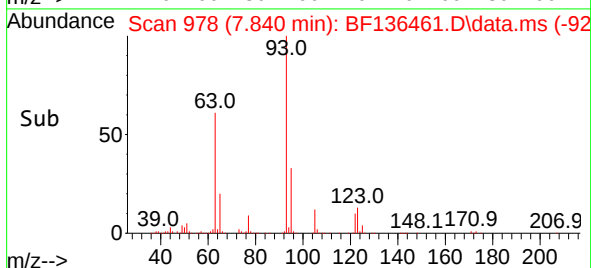
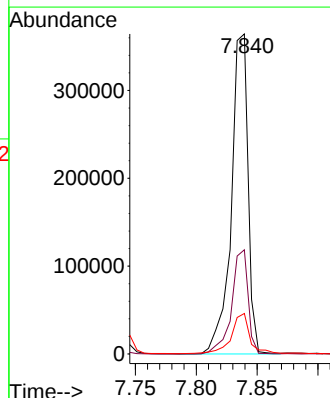
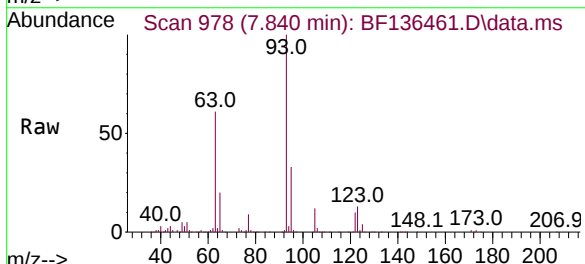
Tgt Ion: 93 Resp: 350513

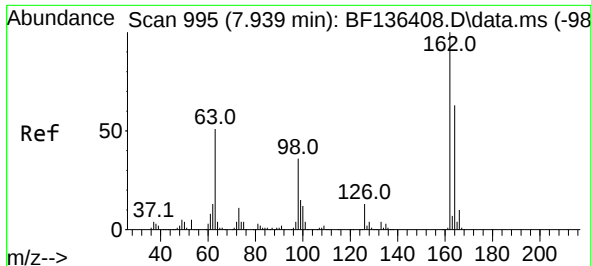
Ion Ratio Lower Upper

93 100

95 32.6 25.0 37.4

123 12.6 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 40.954 ng

RT: 7.945 min Scan# 995

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

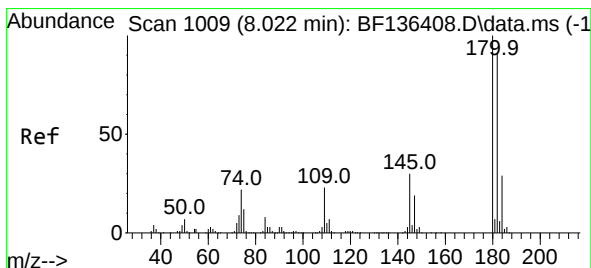
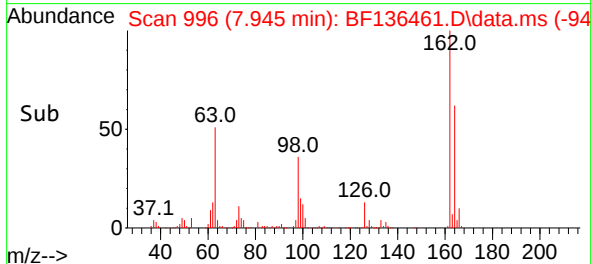
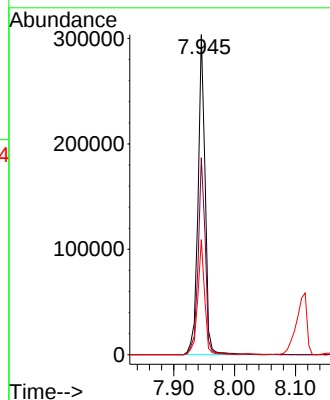
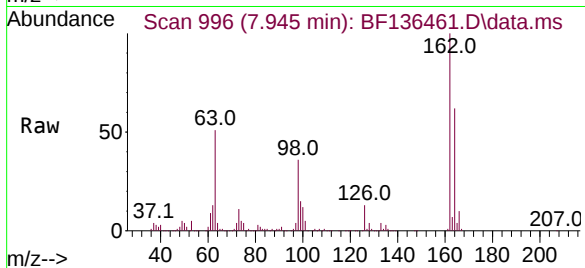
Tgt Ion:162 Resp: 246113

Ion Ratio Lower Upper

162 100

164 61.6 43.0 83.0

98 35.9 16.2 56.2



#30

1,2,4-Trichlorobenzene

Concen: 40.653 ng

RT: 8.022 min Scan# 1009

Delta R.T. 0.000 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

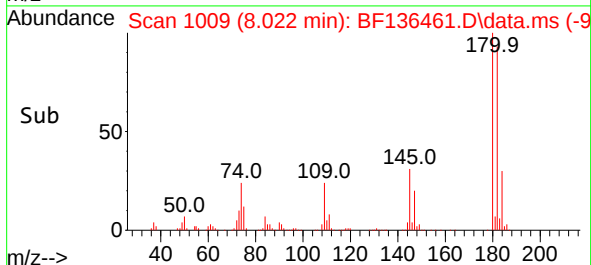
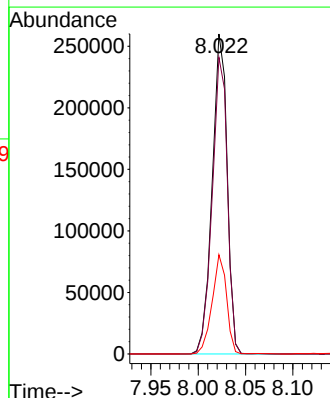
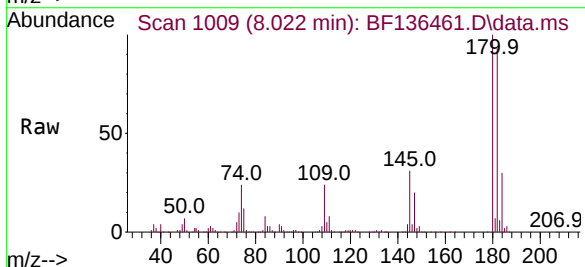
Tgt Ion:180 Resp: 284875

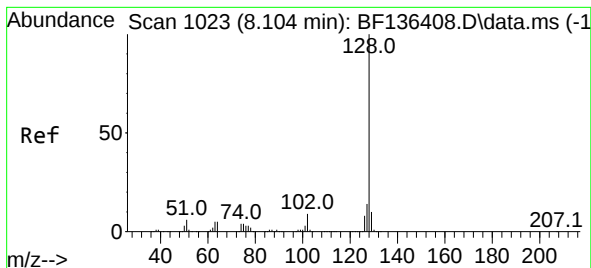
Ion Ratio Lower Upper

180 100

182 92.7 73.1 109.7

145 31.0 23.8 35.8





#31

Naphthalene

Concen: 218.738 ng

RT: 8.116 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

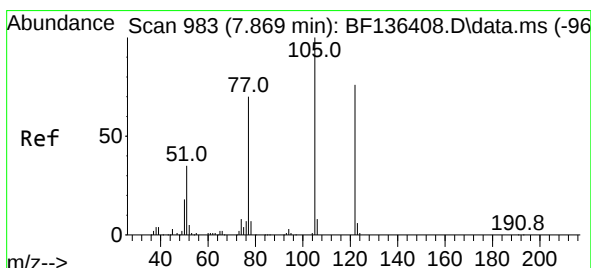
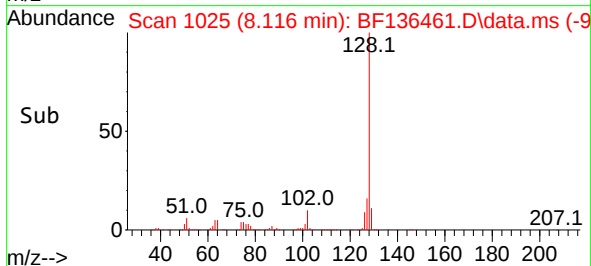
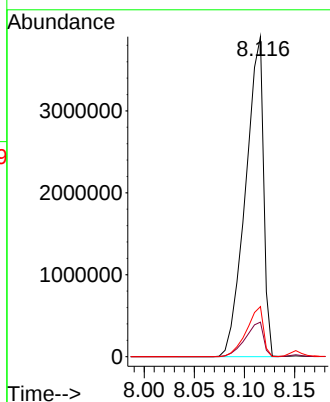
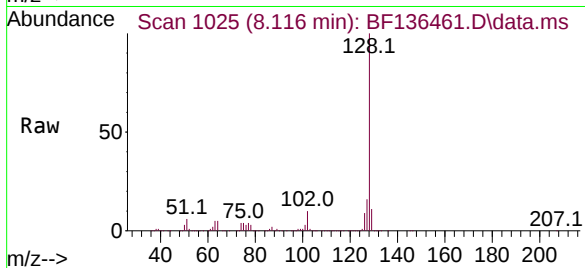
Tgt Ion:128 Resp: 4868563

Ion Ratio Lower Upper

128 100

129 10.8 8.3 12.5

127 15.6 11.1 16.7



#32

Benzoic acid

Concen: 24.138 ng

RT: 7.857 min Scan# 981

Delta R.T. -0.012 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

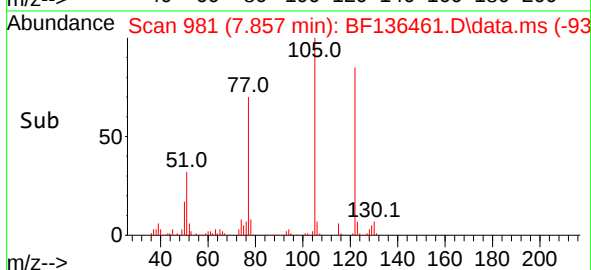
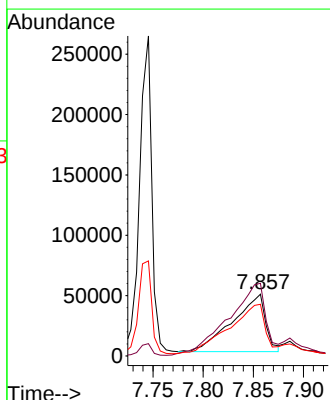
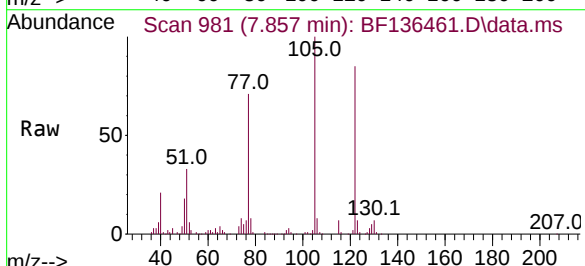
Tgt Ion:122 Resp: 109020

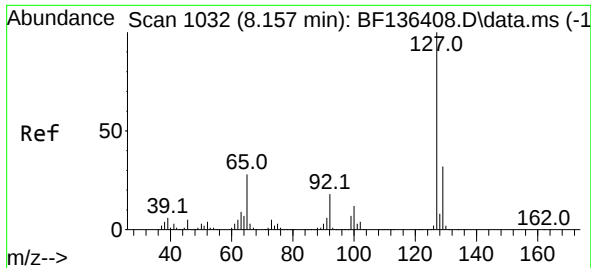
Ion Ratio Lower Upper

122 100

105 117.7 104.7 144.7

77 83.6 68.5 108.5

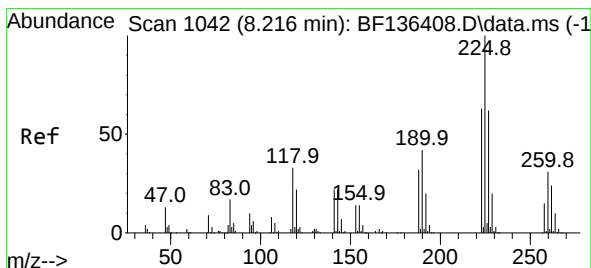
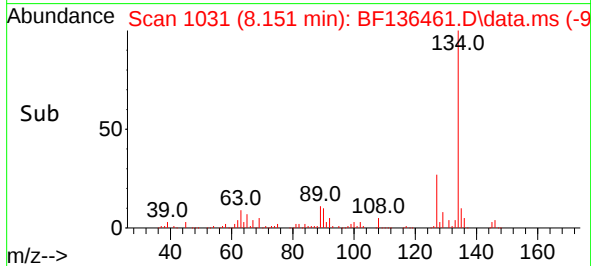
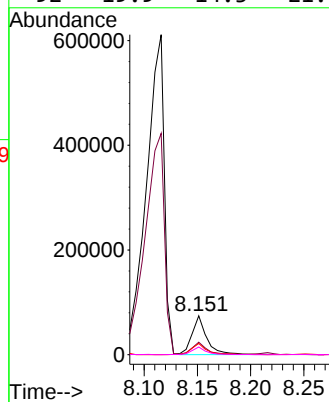
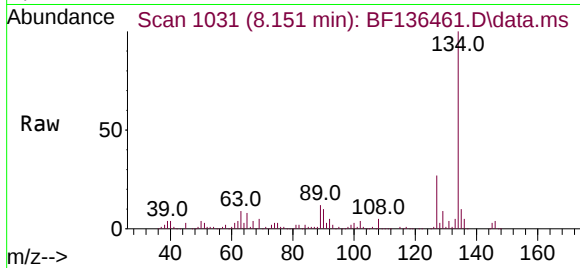




#33
4-Chloroaniline
Concen: 8.908 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

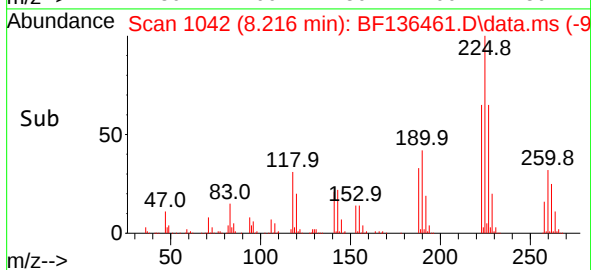
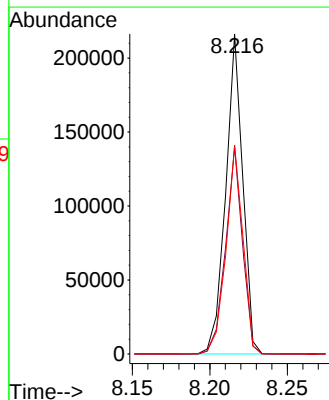
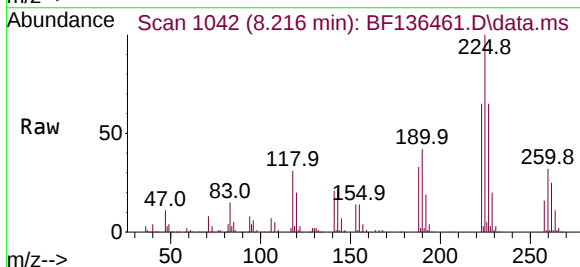
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

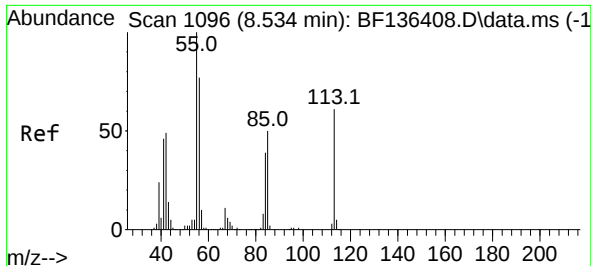
Tgt Ion:127	Resp:	70681
Ion Ratio	Lower	Upper
127	100	
129	32.4	25.4 38.2
65	29.1	22.5 33.7
92	19.9	14.3 21.5



#34
Hexachlorobutadiene
Concen: 39.805 ng
RT: 8.216 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:225	Resp:	165309
Ion Ratio	Lower	Upper
225	100	
223	64.8	50.8 76.2
227	65.3	49.8 74.8

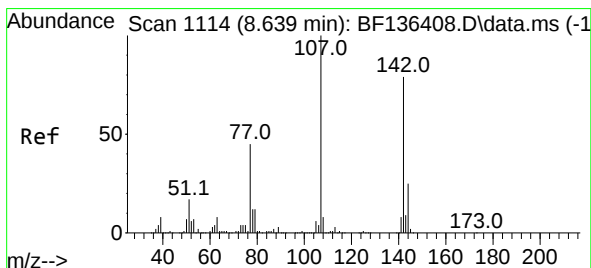
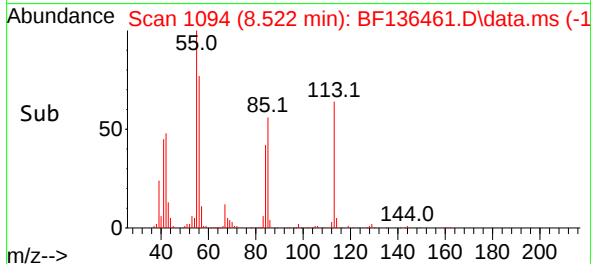
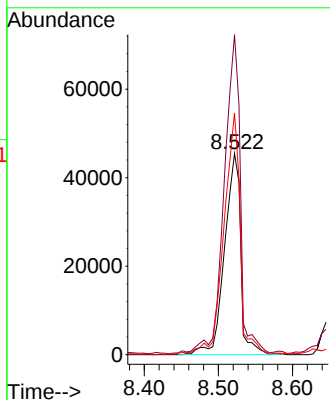
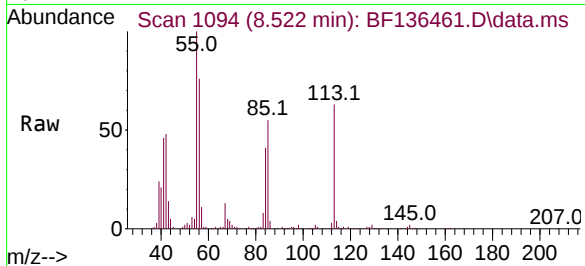




#35
 Caprolactam
 Concen: 37.041 ng
 RT: 8.522 min Scan# 1109
 Delta R.T. -0.012 min
 Lab File: BF136461.D
 Acq: 07 Dec 2023 22:44

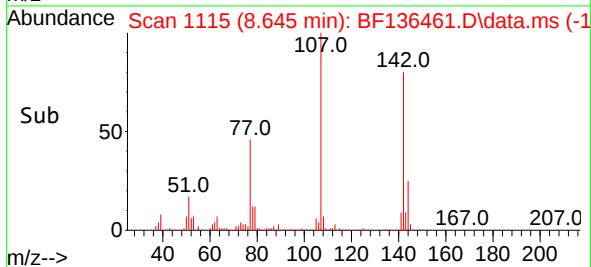
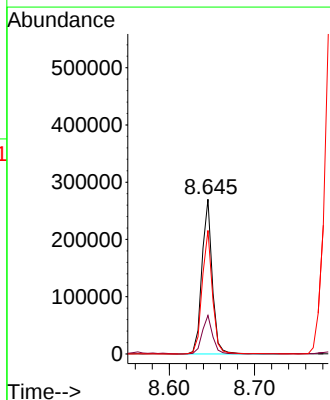
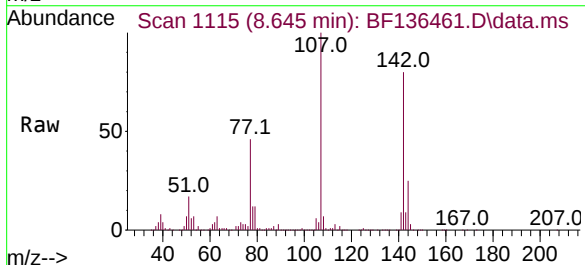
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216MSD

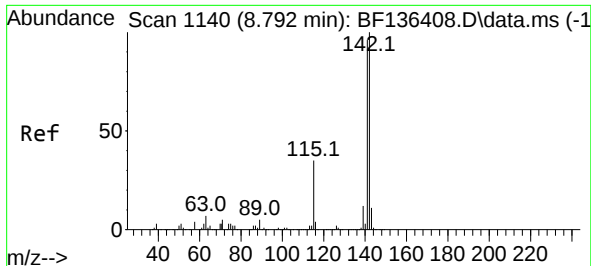
Tgt Ion:113 Resp: 68549
 Ion Ratio Lower Upper
 113 100
 55 159.0 143.7 183.7
 56 120.1 105.2 145.2



#36
 4-Chloro-3-methylphenol
 Concen: 35.652 ng
 RT: 8.645 min Scan# 1115
 Delta R.T. 0.006 min
 Lab File: BF136461.D
 Acq: 07 Dec 2023 22:44

Tgt Ion:107 Resp: 227487
 Ion Ratio Lower Upper
 107 100
 144 24.9 20.1 30.1
 142 79.8 63.1 94.7

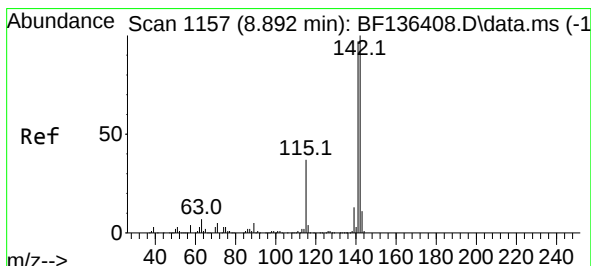
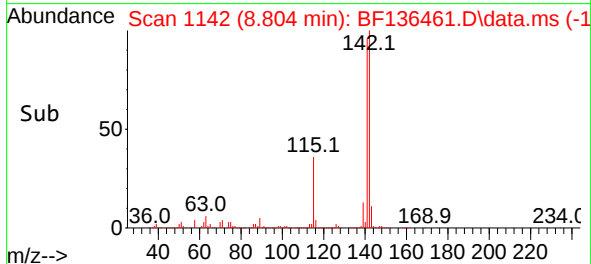
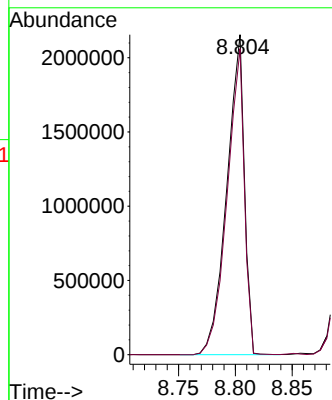
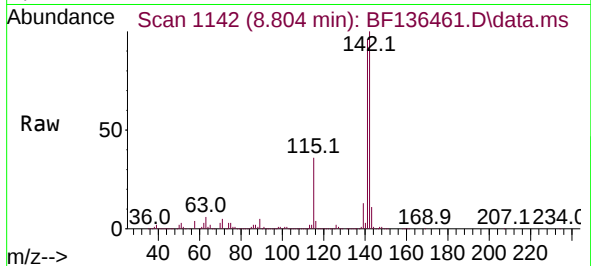




#37
2-Methylnaphthalene
Concen: 163.442 ng
RT: 8.804 min Scan# 1142
Delta R.T. 0.012 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

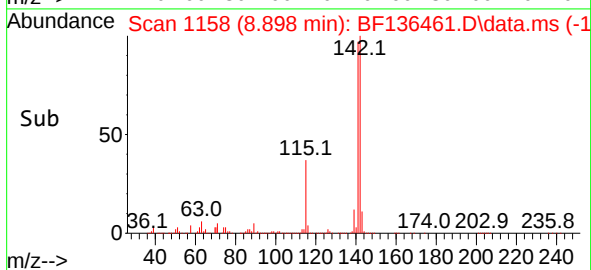
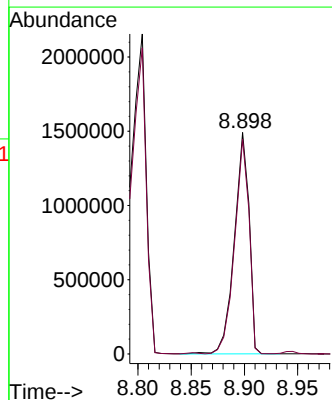
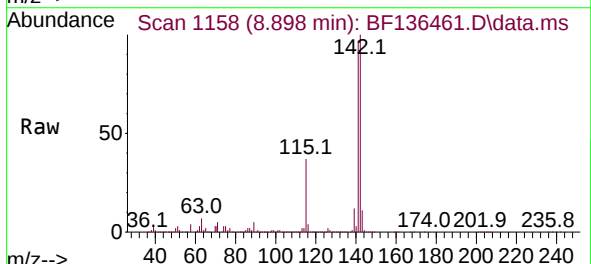
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

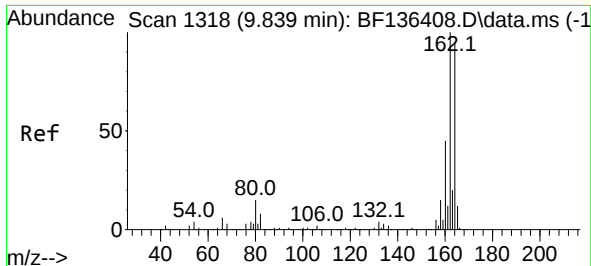
Tgt Ion:142 Resp: 2314332
Ion Ratio Lower Upper
142 100
141 95.7 76.4 114.6



#38
1-Methylnaphthalene
Concen: 103.742 ng
RT: 8.898 min Scan# 1158
Delta R.T. 0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:142 Resp: 1441480
Ion Ratio Lower Upper
142 100
141 97.2 77.7 116.5

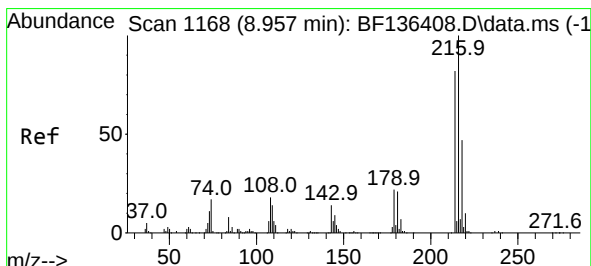
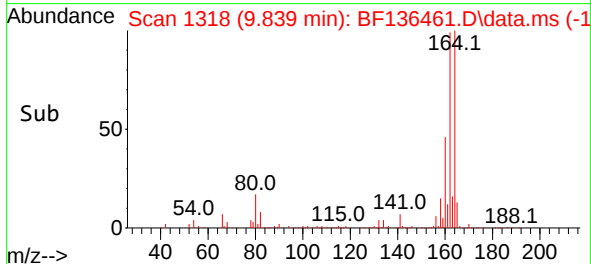
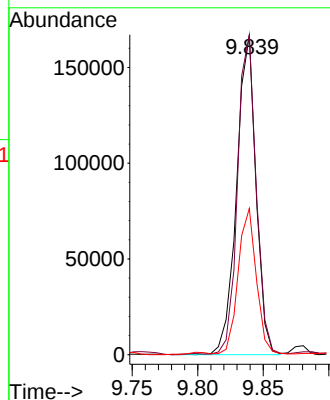
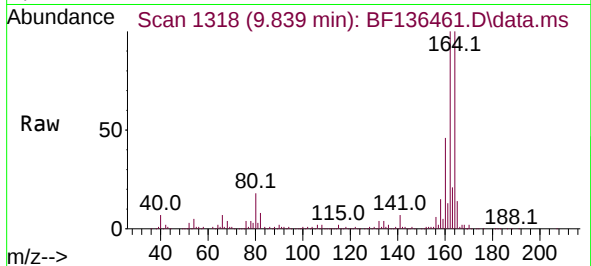




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

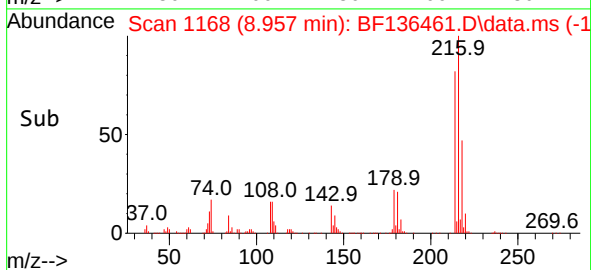
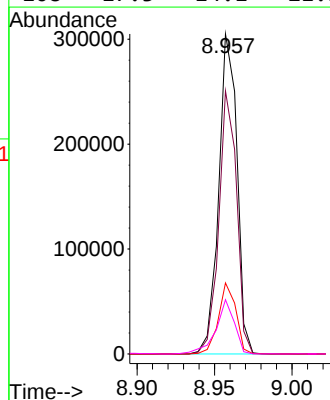
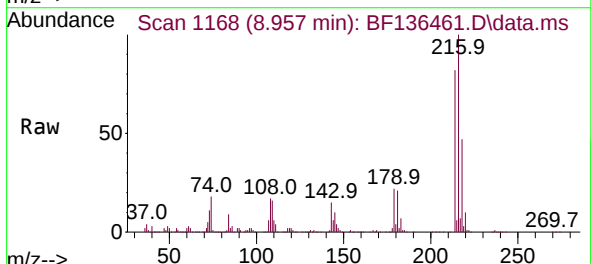
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

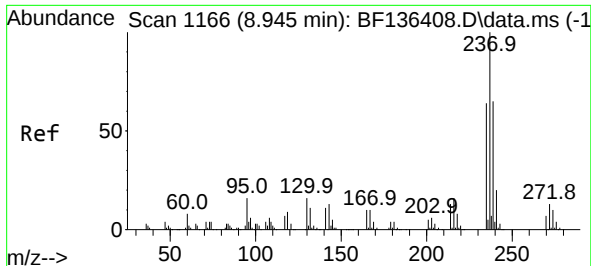
Tgt Ion:164 Resp: 171283
Ion Ratio Lower Upper
164 100
162 100.3 84.4 126.6
160 45.8 37.6 56.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.849 ng
RT: 8.957 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:216 Resp: 249651
Ion Ratio Lower Upper
216 100
214 80.0 64.1 96.1
179 21.3 17.0 25.6
108 17.3 14.1 21.1

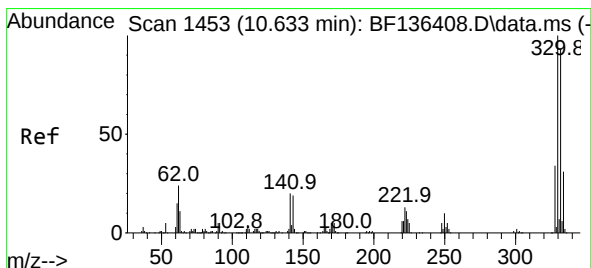
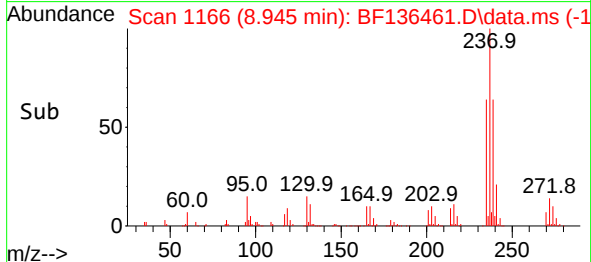
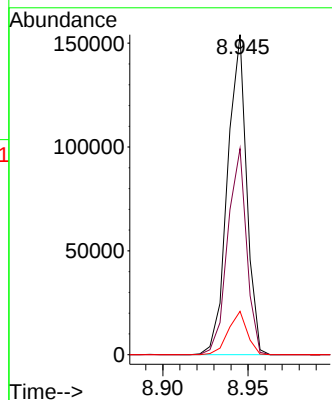
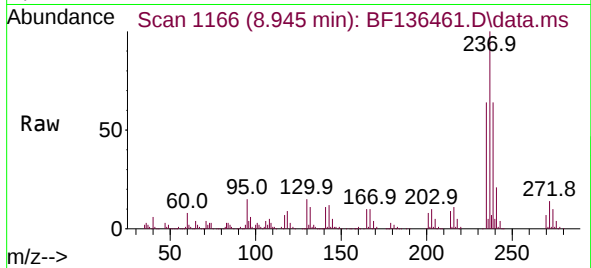




#41
Hexachlorocyclopentadiene
Concen: 60.819 ng
RT: 8.945 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

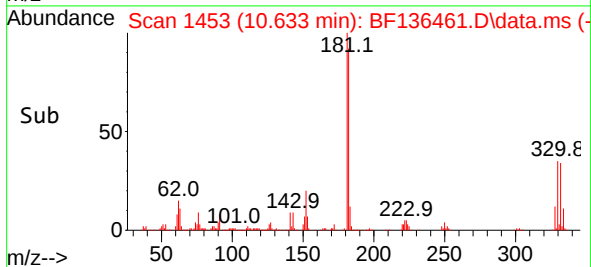
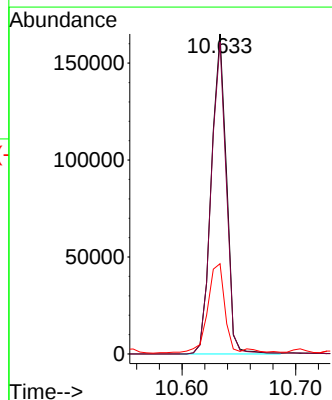
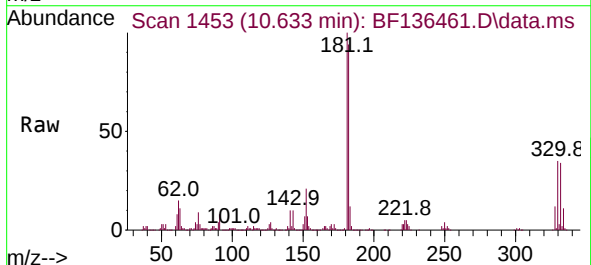
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

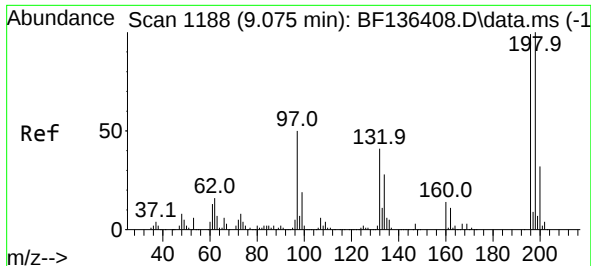
Tgt Ion:237 Resp: 120070
Ion Ratio Lower Upper
237 100
235 64.4 44.1 84.1
272 13.5 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 71.961 ng
RT: 10.633 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:330 Resp: 151976
Ion Ratio Lower Upper
330 100
332 97.8 76.4 114.6
141 31.7 23.4 35.2





#43

2,4,6-Trichlorophenol

Concen: 42.066 ng

RT: 9.075 min Scan# 1188

Delta R.T. 0.000 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

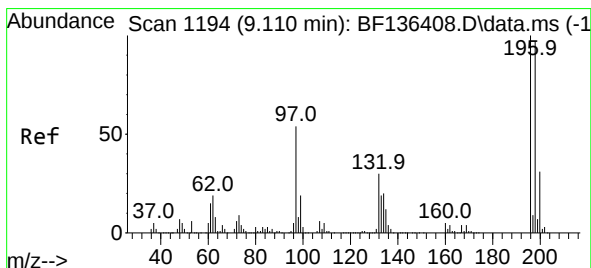
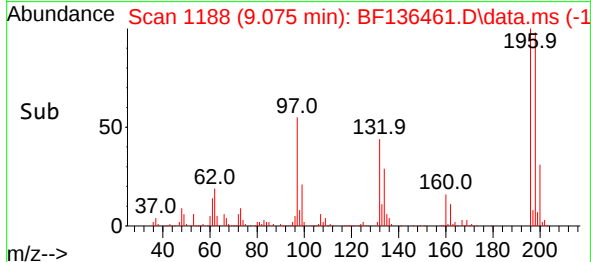
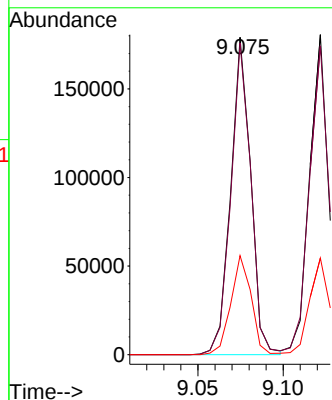
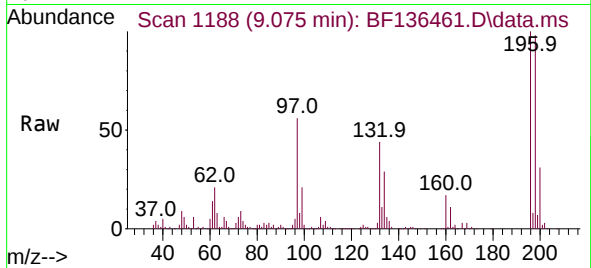
Tgt Ion:196 Resp: 145960

Ion Ratio Lower Upper

196 100

198 98.2 80.4 120.6

200 31.2 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 38.041 ng

RT: 9.122 min Scan# 1196

Delta R.T. 0.012 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Tgt Ion:196 Resp: 147316

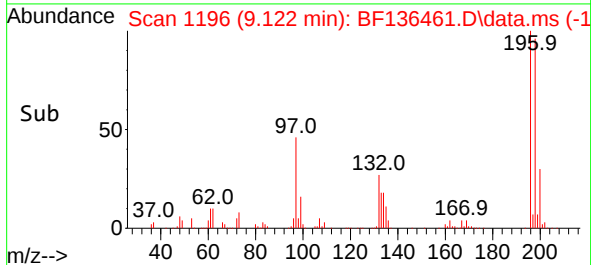
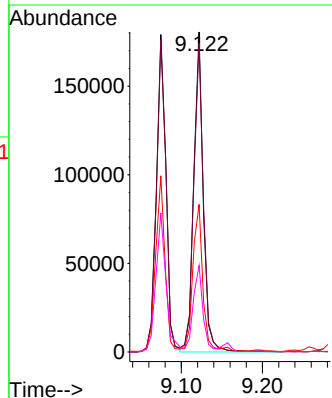
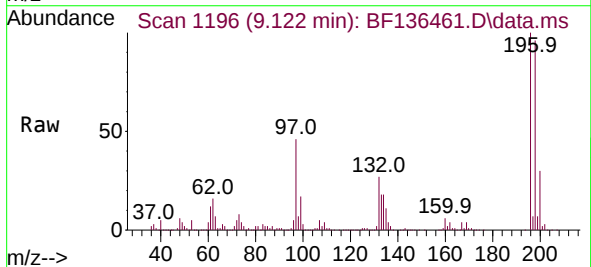
Ion Ratio Lower Upper

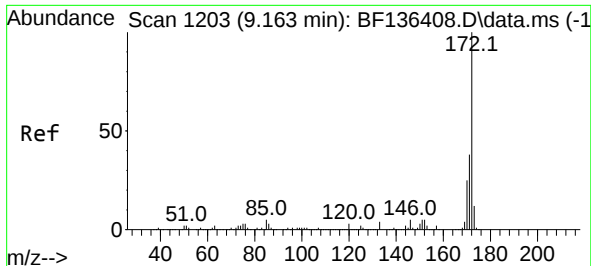
196 100

198 96.5 78.1 117.1

97 46.1 43.4 65.2

132 27.0 24.2 36.4

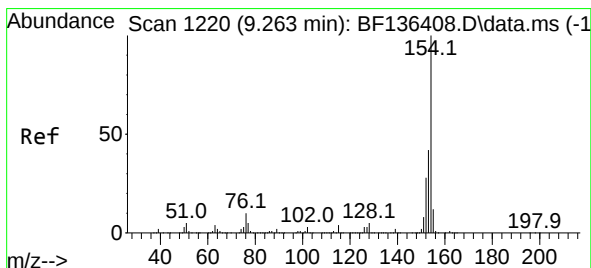
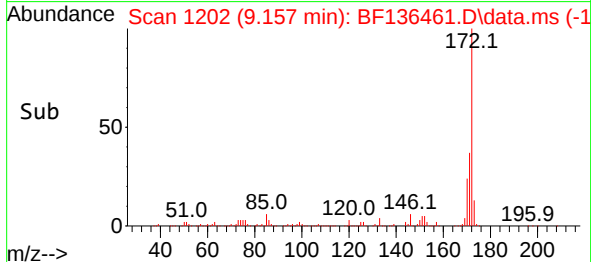
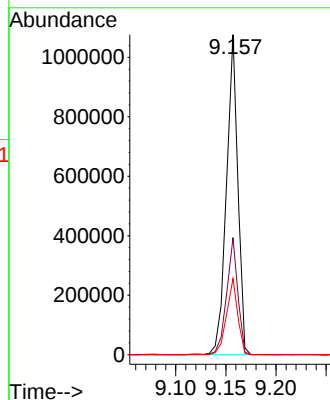
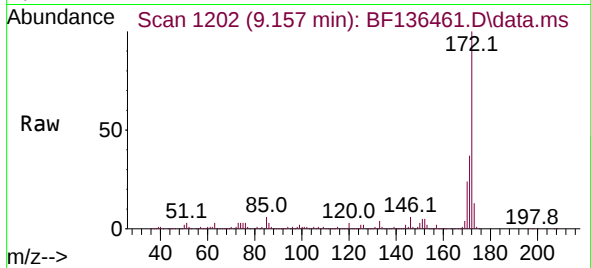




#45
2-Fluorobiphenyl
Concen: 67.453 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

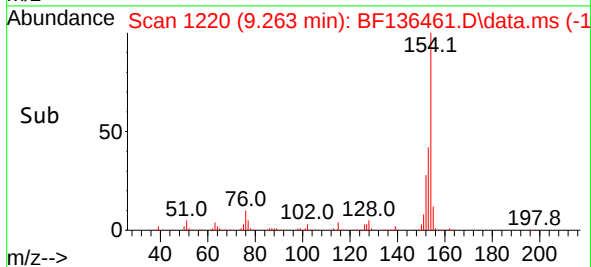
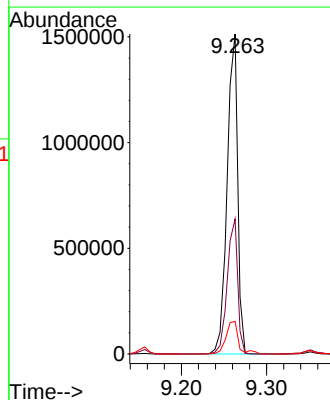
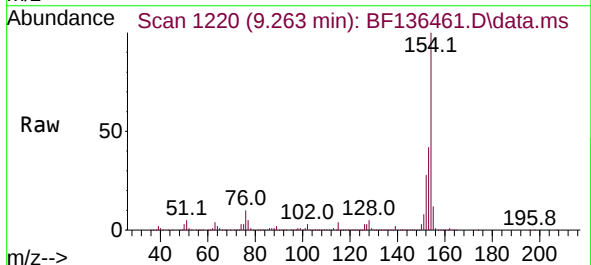
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

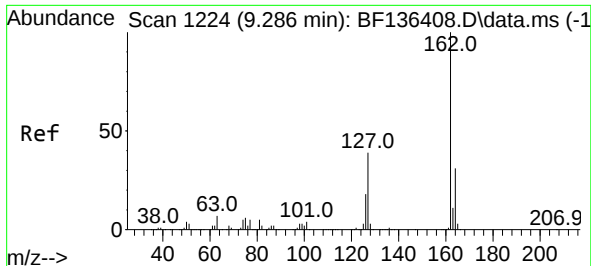
Tgt Ion:172 Resp: 846729
Ion Ratio Lower Upper
172 100
171 36.6 30.5 45.7
170 23.8 19.9 29.9



#46
1,1'-Biphenyl
Concen: 89.146 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:154 Resp: 1299251
Ion Ratio Lower Upper
154 100
153 42.2 22.5 62.5
76 10.2 0.0 29.9





#47

2-Chloronaphthalene

Concen: 41.012 ng

RT: 9.281 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

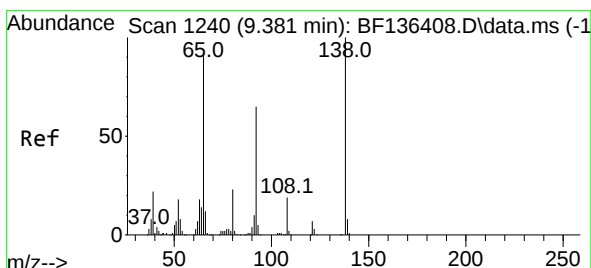
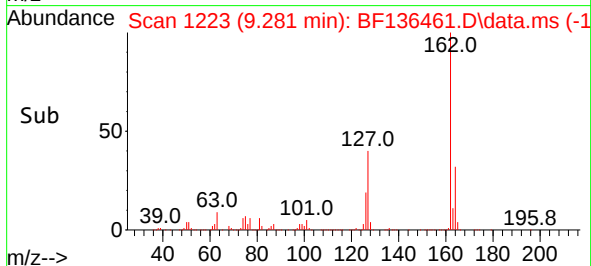
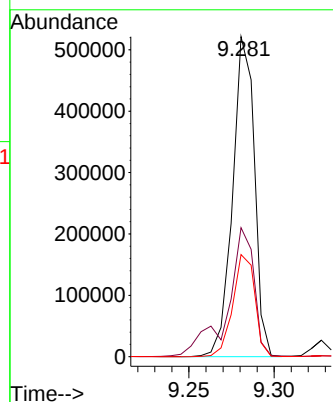
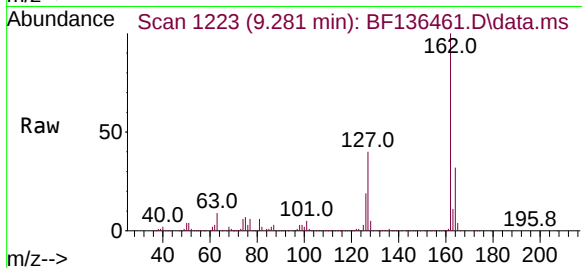
Tgt Ion:162 Resp: 465222

Ion Ratio Lower Upper

162 100

127 40.3 31.1 46.7

164 31.9 24.6 37.0



#48

2-Nitroaniline

Concen: 40.955 ng

RT: 9.386 min Scan# 1241

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

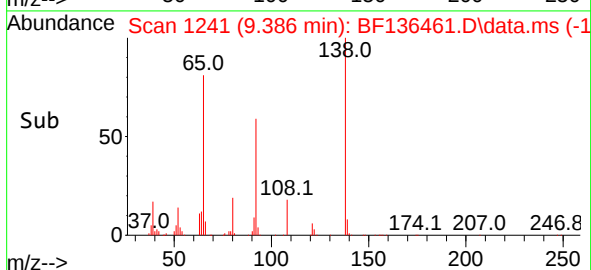
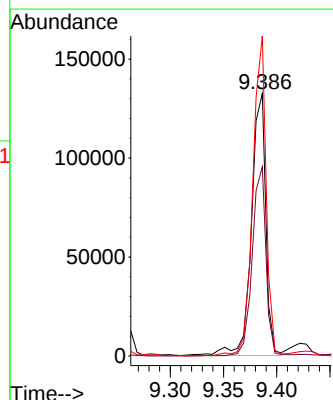
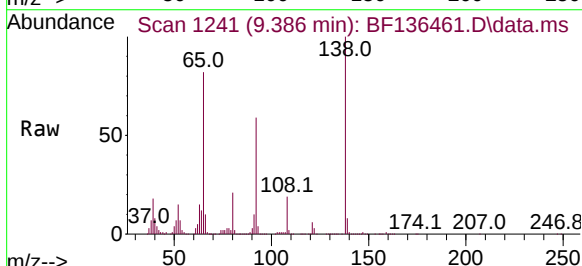
Tgt Ion: 65 Resp: 124601

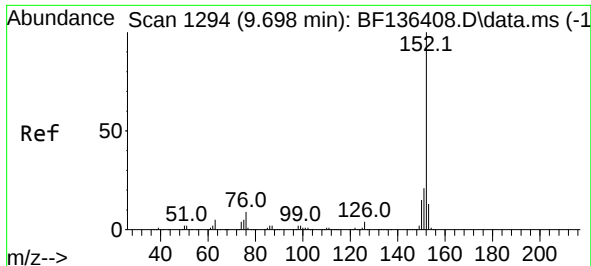
Ion Ratio Lower Upper

65 100

92 72.1 56.1 84.1

138 122.0 86.7 130.1





#49

Acenaphthylene

Concen: 43.127 ng

RT: 9.698 min Scan# 1294

Delta R.T. 0.000 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

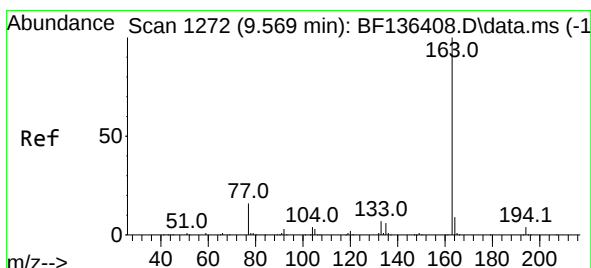
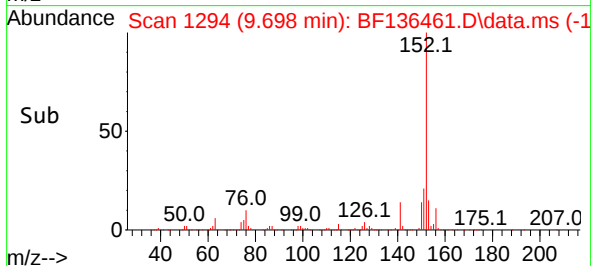
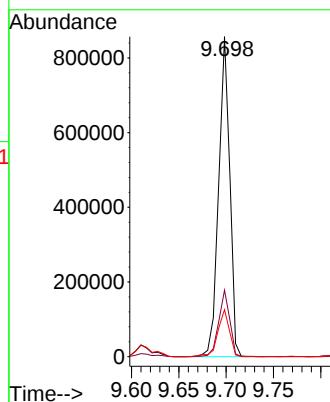
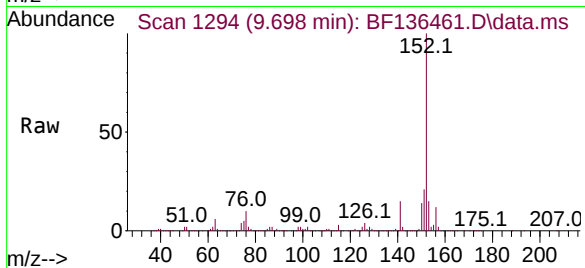
Tgt Ion:152 Resp: 696900

Ion Ratio Lower Upper

152 100

151 20.8 17.2 25.8

153 14.7 10.6 15.8



#50

Dimethylphthalate

Concen: 41.134 ng

RT: 9.563 min Scan# 1271

Delta R.T. -0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

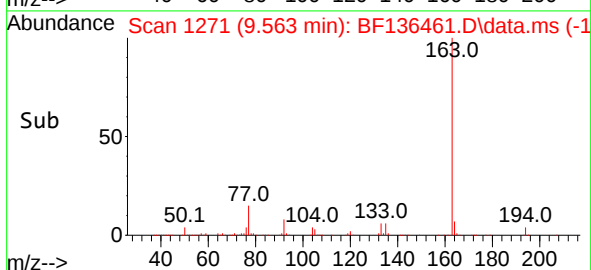
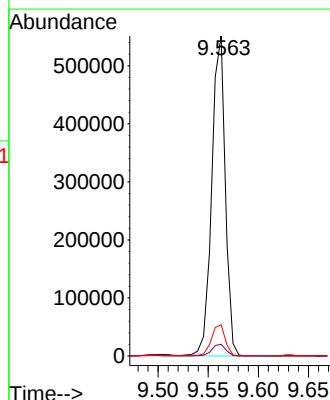
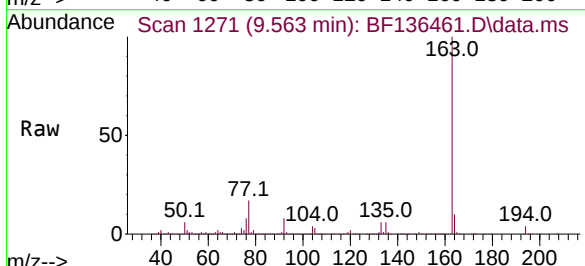
Tgt Ion:163 Resp: 518720

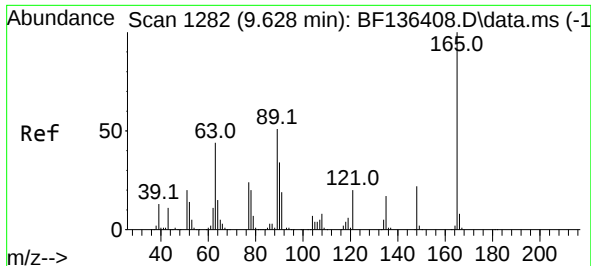
Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.6

164 9.8 7.4 11.2





#51

2,6-Dinitrotoluene

Concen: 36.786 ng

RT: 9.628 min Scan# 1282

Delta R.T. 0.000 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

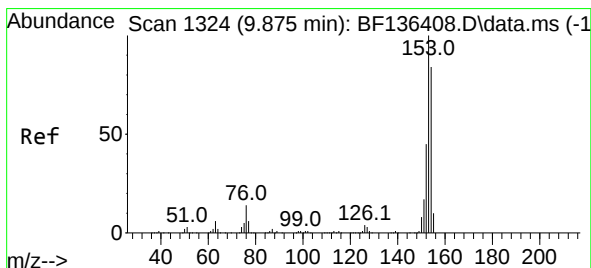
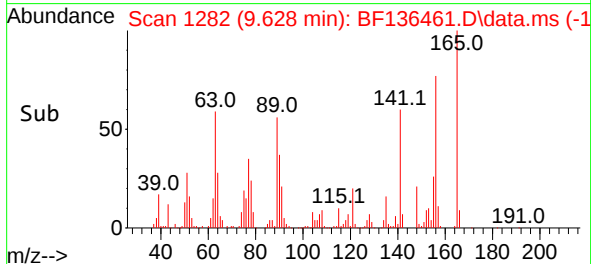
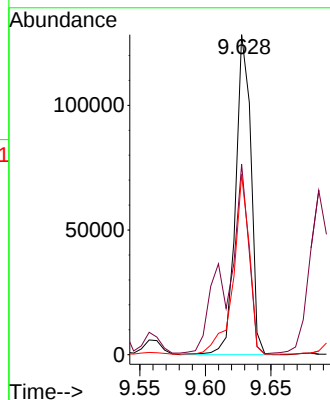
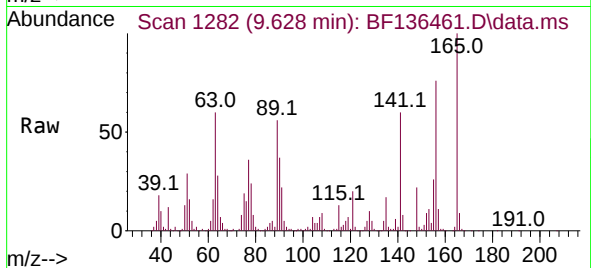
Tgt Ion:165 Resp: 104361

Ion Ratio Lower Upper

165 100

63 59.5 40.4 60.6

89 56.3 40.6 60.8



#52

Acenaphthene

Concen: 191.263 ng

RT: 9.881 min Scan# 1325

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

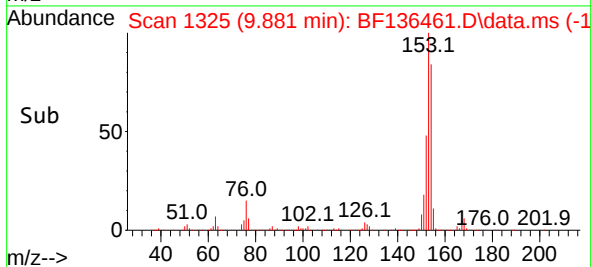
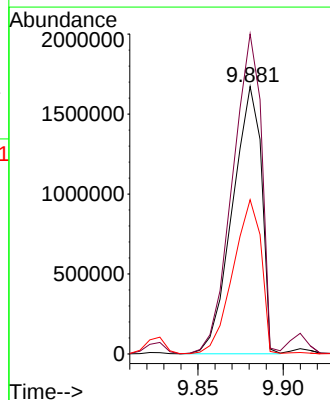
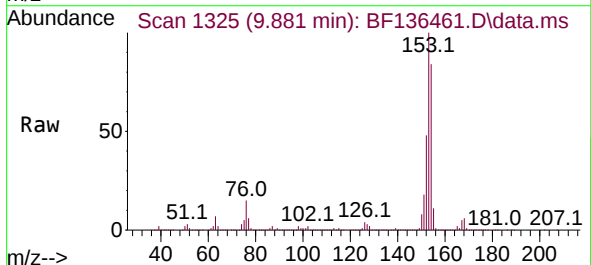
Tgt Ion:154 Resp: 1980532

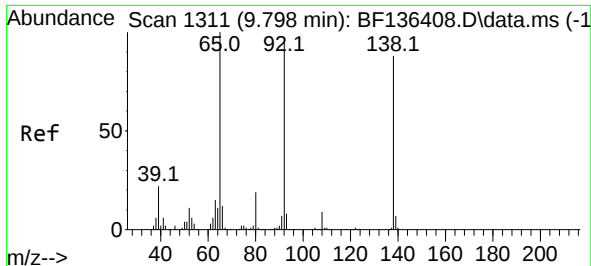
Ion Ratio Lower Upper

154 100

153 119.6 95.3 142.9

152 57.6 43.2 64.8

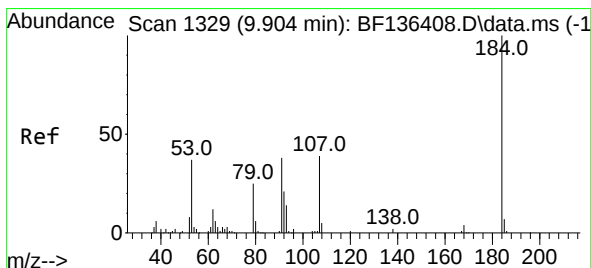
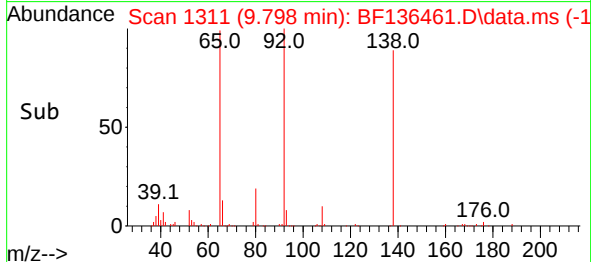
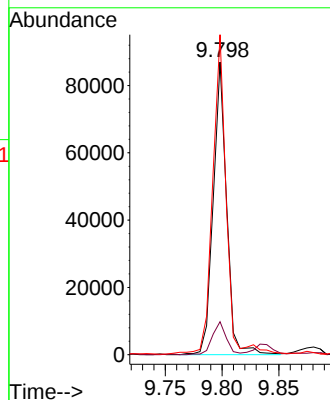
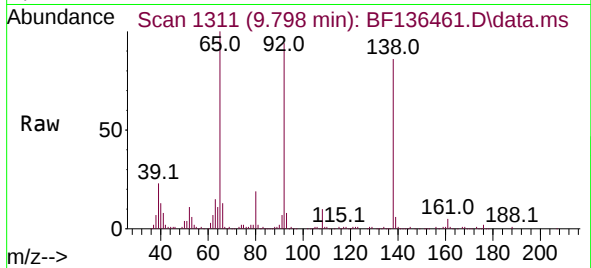




#53
3-Nitroaniline
Concen: 24.624 ng
RT: 9.798 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

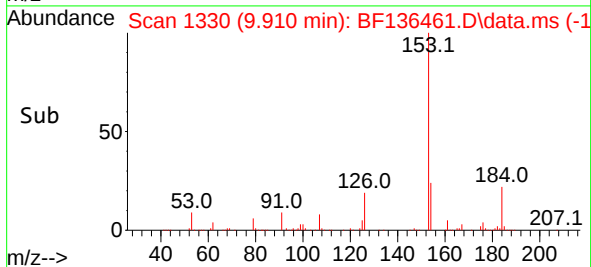
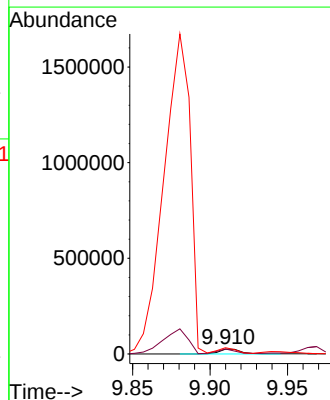
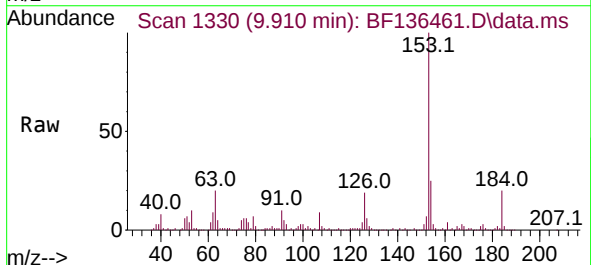
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

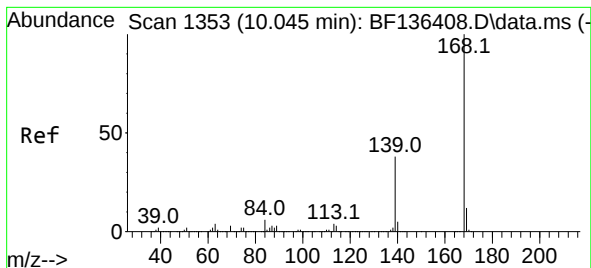
Tgt Ion:138 Resp: 71338
Ion Ratio Lower Upper
138 100
108 11.2 8.5 12.7
92 109.3 86.1 129.1



#54
2,4-Dinitrophenol
Concen: 17.316 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:184 Resp: 24838
Ion Ratio Lower Upper
184 100
63 102.8 39.1 58.7#
154 128.5 49.9 74.9#





#55

Dibenzenofuran

Concen: 193.284 ng

RT: 10.057 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

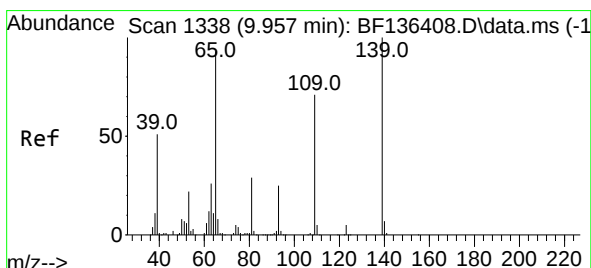
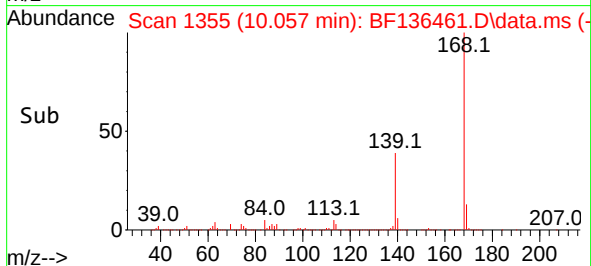
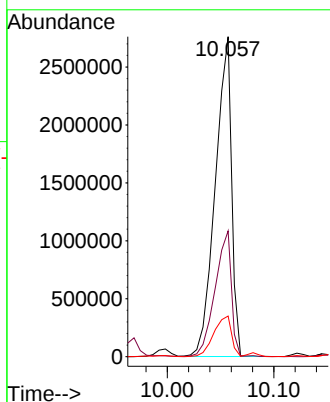
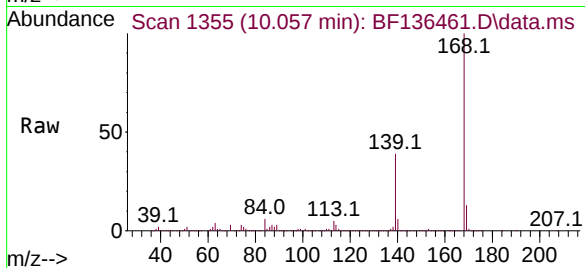
Tgt Ion:168 Resp: 2923881

Ion Ratio Lower Upper

168 100

139 39.3 30.4 45.6

169 12.7 9.9 14.9



#56

4-Nitrophenol

Concen: 73.584 ng

RT: 9.969 min Scan# 1340

Delta R.T. 0.012 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

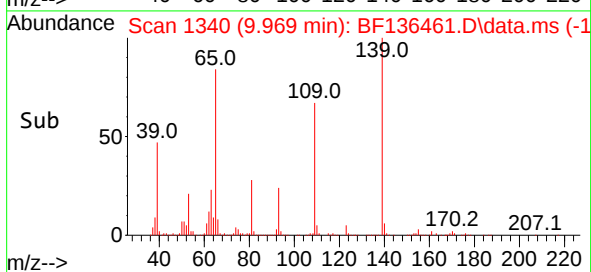
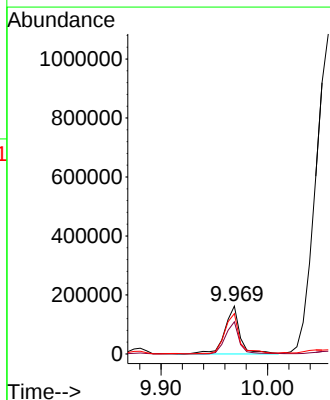
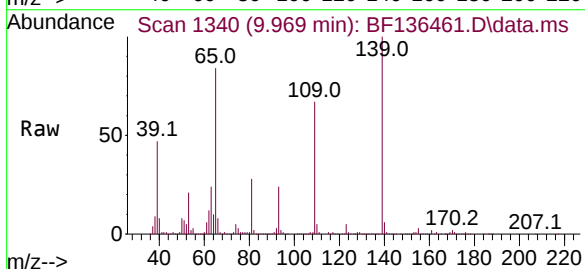
Tgt Ion:139 Resp: 159808

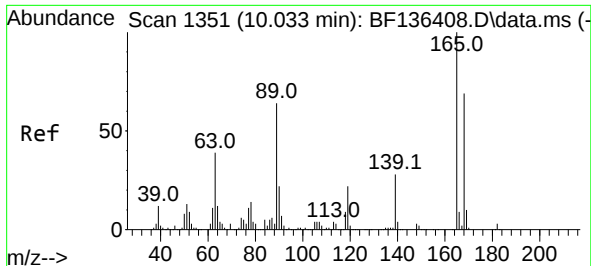
Ion Ratio Lower Upper

139 100

109 67.3 50.6 90.6

65 84.2 73.1 113.1

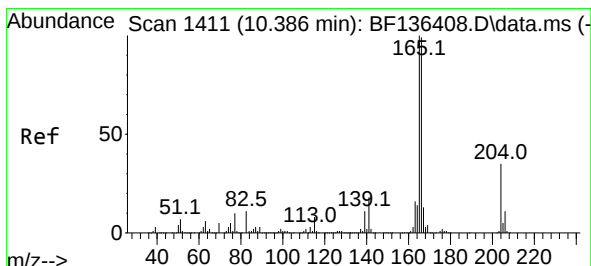
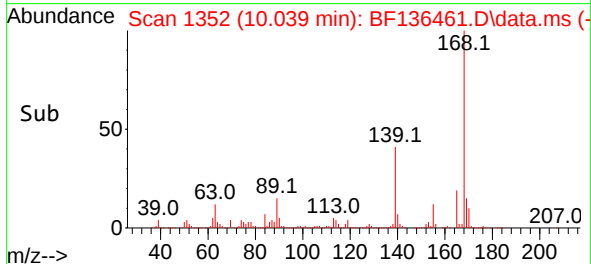
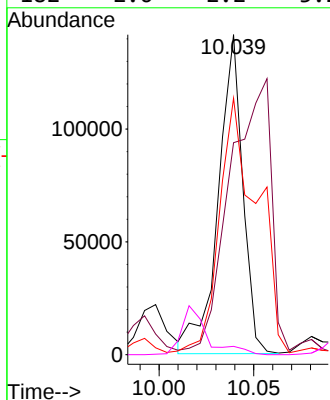
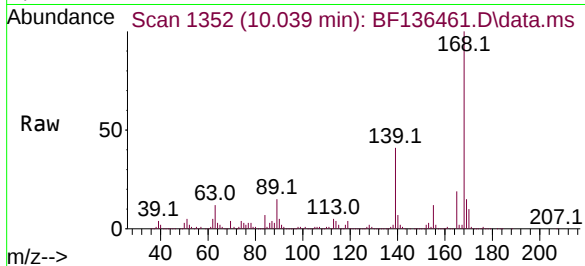




#57
2,4-Dinitrotoluene
Concen: 33.975 ng
RT: 10.039 min Scan# 1351
Delta R.T. 0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

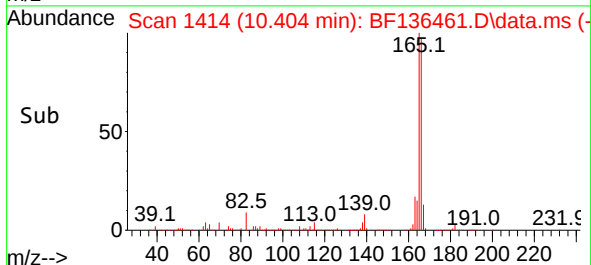
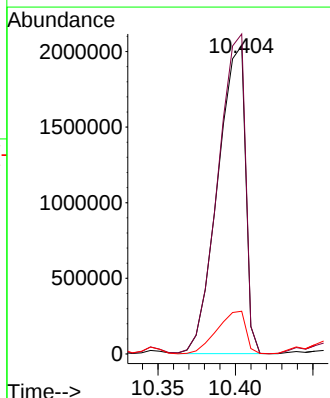
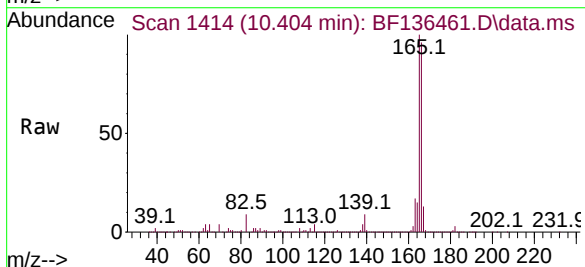
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

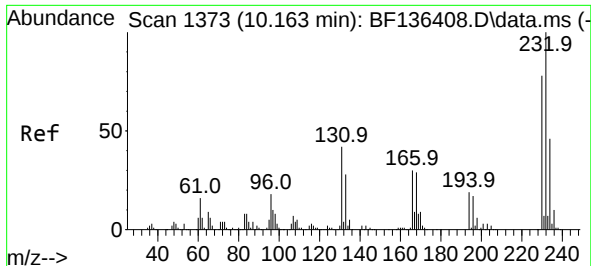
Tgt Ion:165 Resp: 127507
Ion Ratio Lower Upper
165 100
63 66.2 31.4 47.2#
89 80.2 51.7 77.5#
182 2.6 2.2 3.2



#58
Fluorene
Concen: 208.760 ng
RT: 10.404 min Scan# 1414
Delta R.T. 0.018 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:166 Resp: 2535014
Ion Ratio Lower Upper
166 100
165 103.8 80.5 120.7
167 13.9 10.5 15.7





#59

2,3,4,6-Tetrachlorophenol

Concen: 33.280 ng

RT: 10.169 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

Tgt Ion:232 Resp: 103234

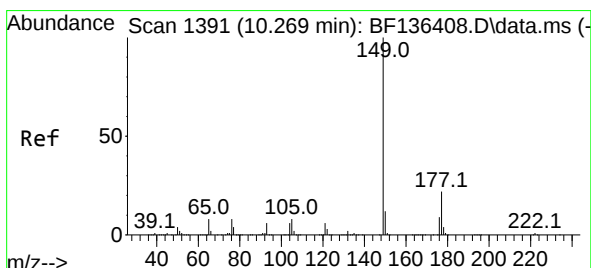
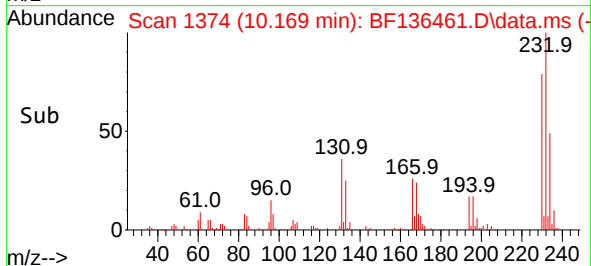
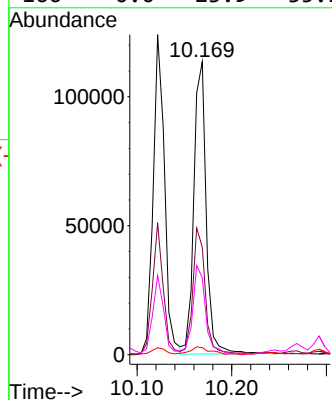
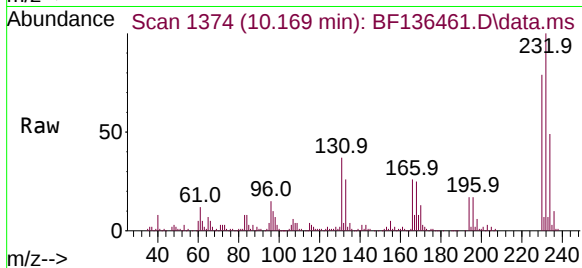
Ion Ratio Lower Upper

232 100

131 42.5 34.3 51.5

130 4.5 1.6 2.4#

166 0.0 23.9 35.9#



#60

Diethylphthalate

Concen: 35.695 ng

RT: 10.269 min Scan# 1391

Delta R.T. 0.000 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

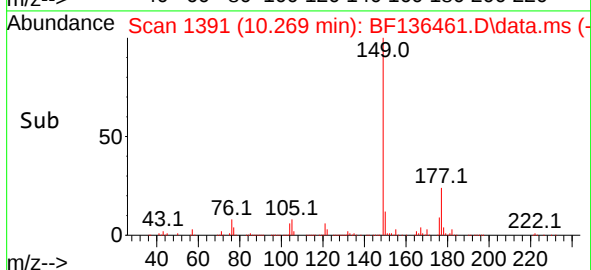
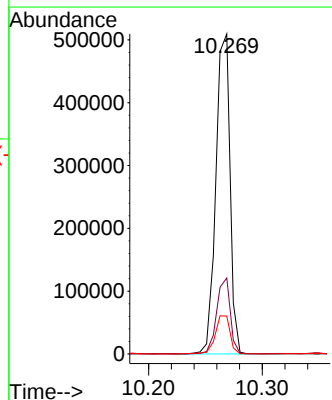
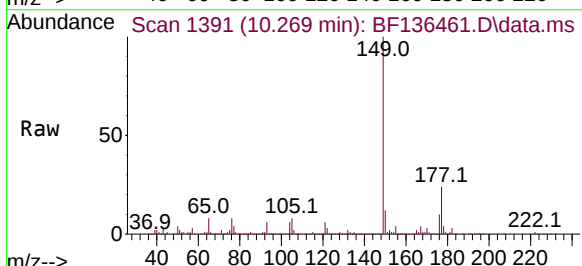
Tgt Ion:149 Resp: 442629

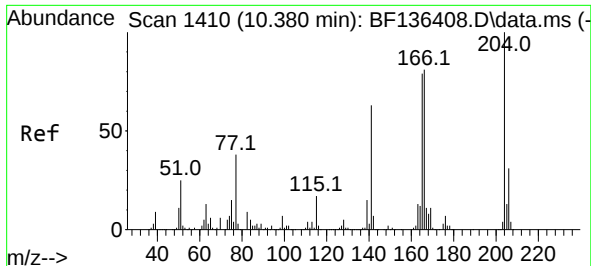
Ion Ratio Lower Upper

149 100

177 23.8 17.8 26.8

150 11.8 9.4 14.0

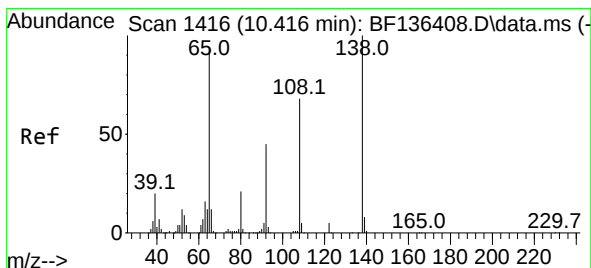
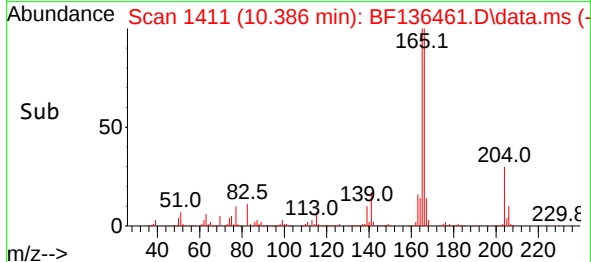
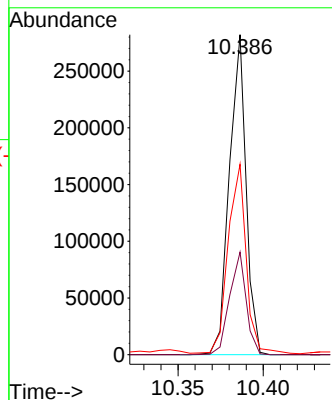
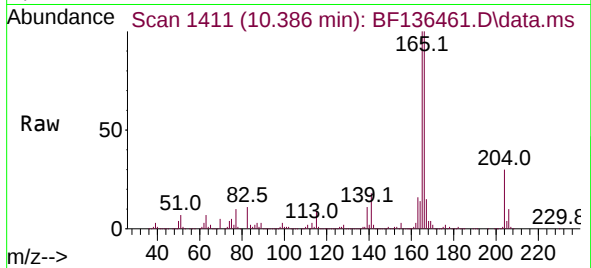




#61
4-Chlorophenyl-phenylether
Concen: 32.430 ng
RT: 10.386 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

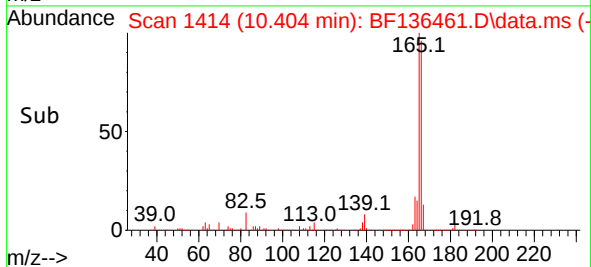
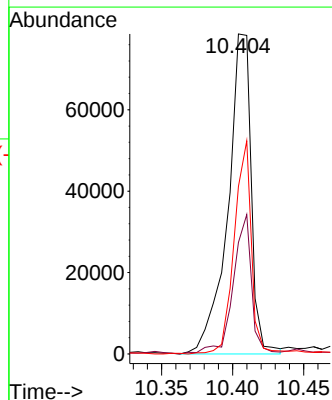
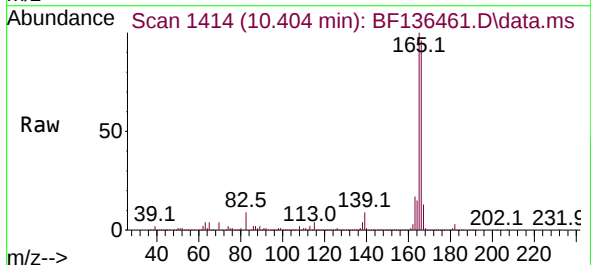
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

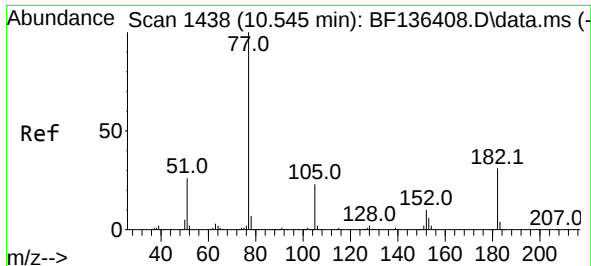
Tgt Ion:204 Resp: 191977
Ion Ratio Lower Upper
204 100
206 32.1 24.6 36.8
141 59.5 50.3 75.5



#62
4-Nitroaniline
Concen: 31.369 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:138 Resp: 90237
Ion Ratio Lower Upper
138 100
92 34.8 25.0 65.0
108 52.3 47.9 87.9

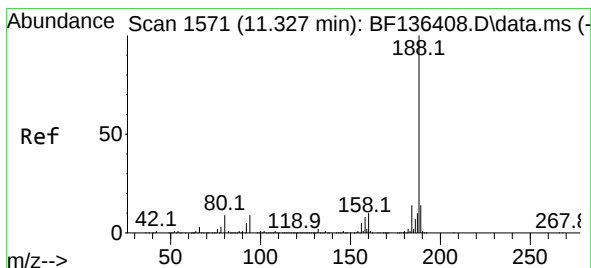
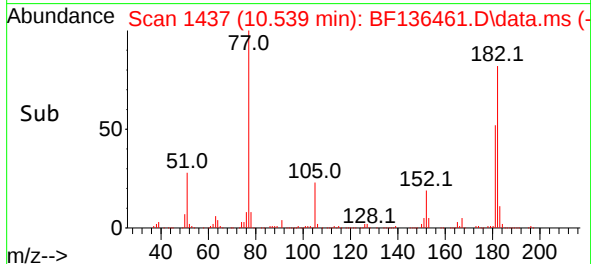
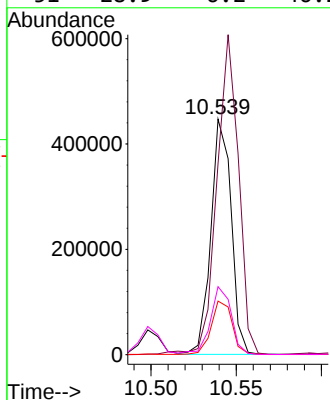
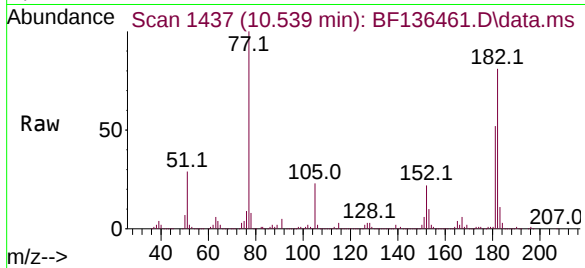




#63
Azobenzene
Concen: 32.707 ng
RT: 10.539 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

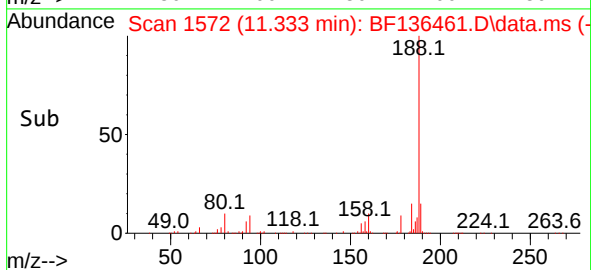
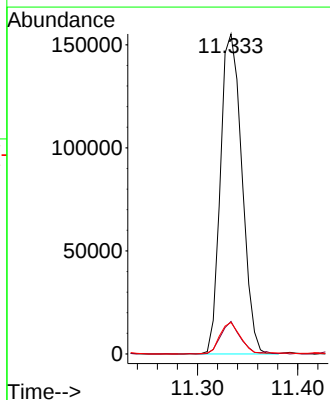
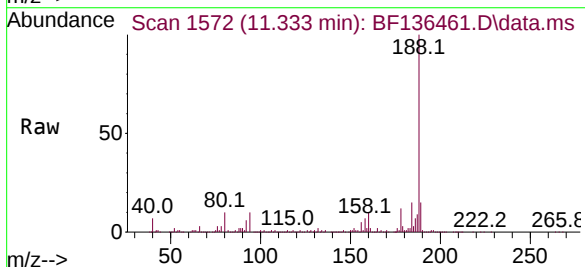
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

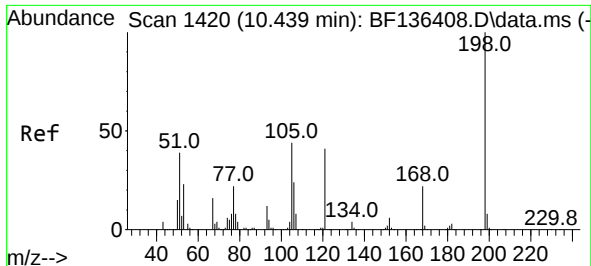
Tgt Ion: 77 Resp: 369157
Ion Ratio Lower Upper
77 100
182 81.1 10.8 50.8#
105 22.7 2.6 42.6
51 28.9 6.2 46.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion: 188 Resp: 230229
Ion Ratio Lower Upper
188 100
94 10.1 7.2 10.8
80 9.8 7.2 10.8

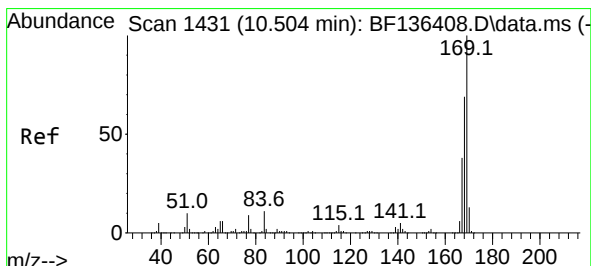
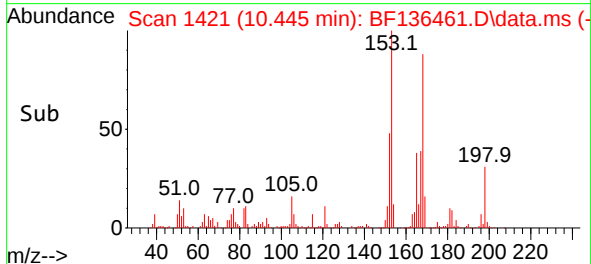
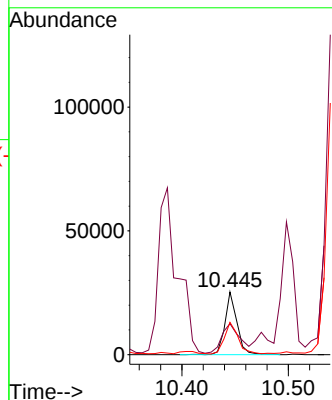
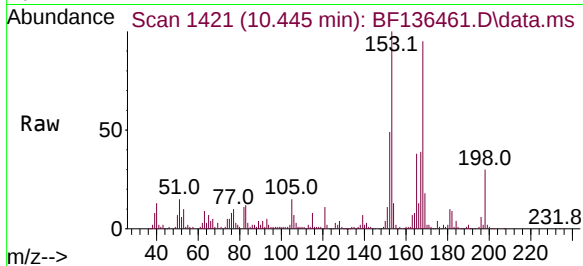




#65
4,6-Dinitro-2-methylphenol
Concen: 13.913 ng
RT: 10.445 min Scan# 1420
Delta R.T. 0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

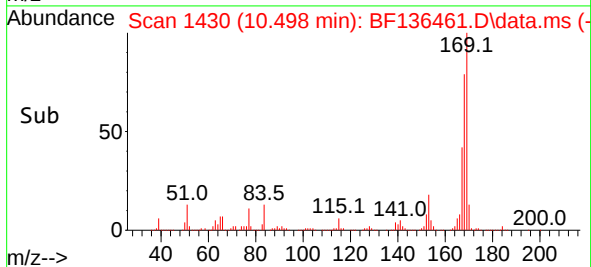
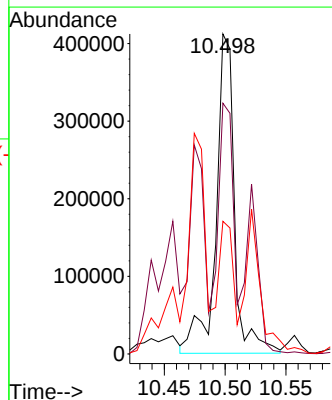
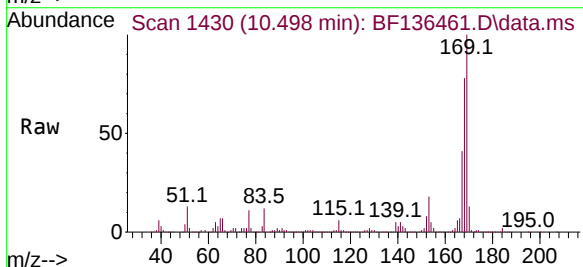
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

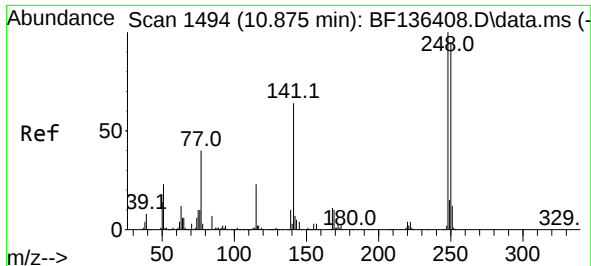
Tgt Ion:198 Resp: 19837
Ion Ratio Lower Upper
198 100
51 49.6 24.1 64.1
105 51.6 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 59.050 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:169 Resp: 436236
Ion Ratio Lower Upper
169 100
168 78.3 55.3 82.9
167 41.4 30.1 45.1

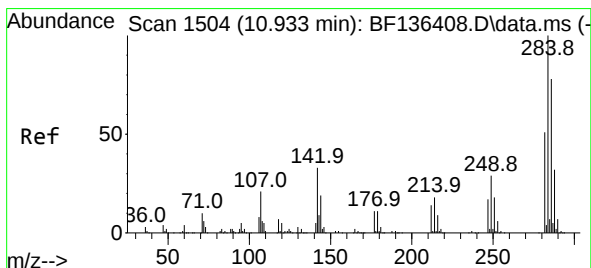
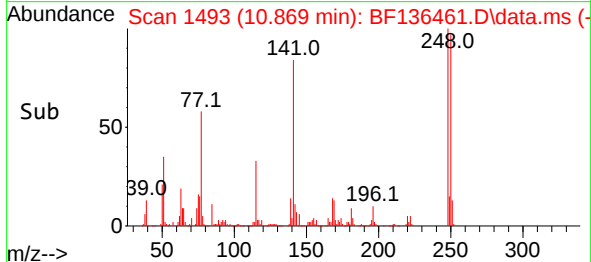
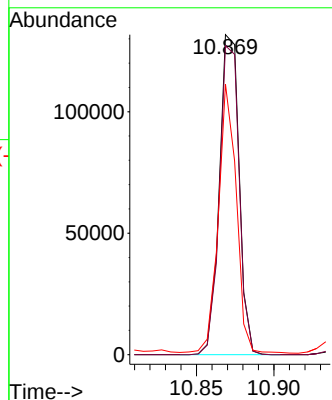
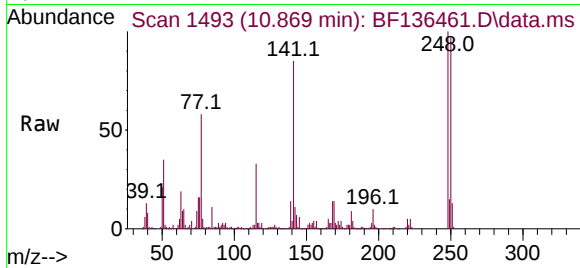




#67
4-Bromophenyl-phenylether
Concen: 43.704 ng
RT: 10.869 min Scan# 1493
Delta R.T. -0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

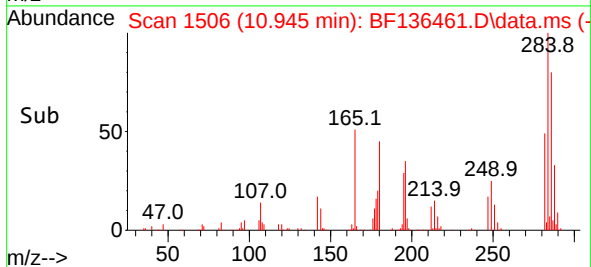
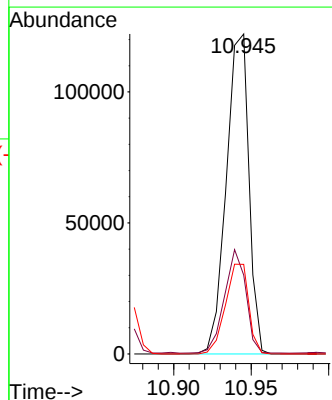
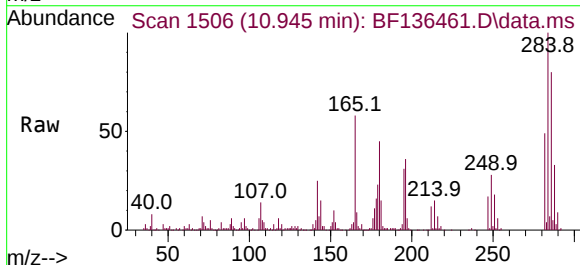
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

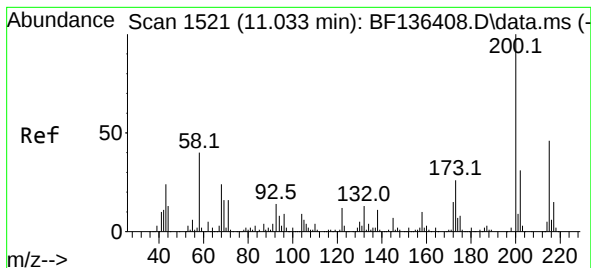
Tgt Ion:248 Resp: 116986
Ion Ratio Lower Upper
248 100
250 96.6 76.2 114.2
141 84.5 51.0 76.4#



#68
Hexachlorobenzene
Concen: 40.057 ng
RT: 10.945 min Scan# 1506
Delta R.T. 0.012 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:284 Resp: 123925
Ion Ratio Lower Upper
284 100
142 24.6 26.5 39.7#
249 28.0 23.4 35.0





#69

Atrazine

Concen: 52.938 ng

RT: 11.039 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

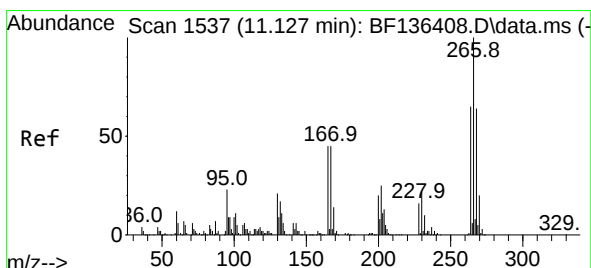
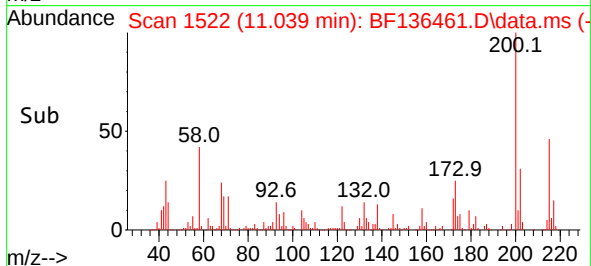
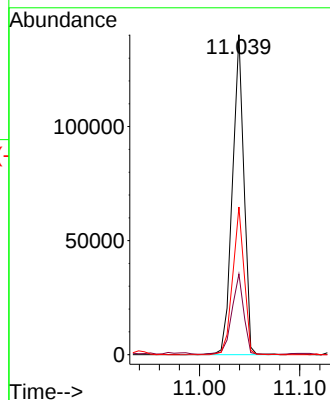
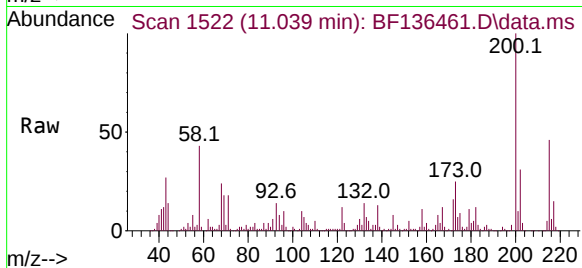
Tgt Ion:200 Resp: 111621

Ion Ratio Lower Upper

200 100

173 25.2 6.0 46.0

215 46.2 25.5 65.5



#70

Pentachlorophenol

Concen: 84.667 ng

RT: 11.145 min Scan# 1540

Delta R.T. 0.018 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

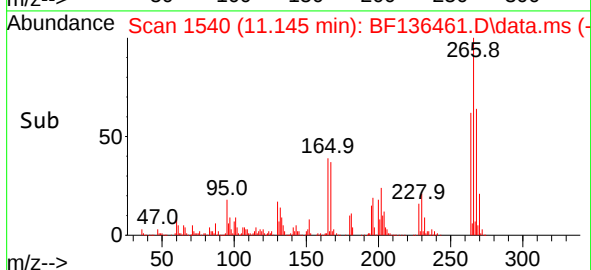
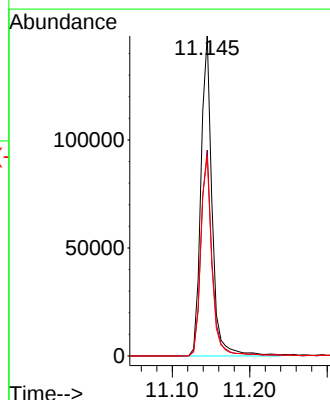
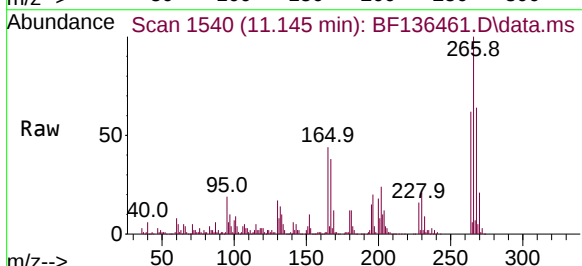
Tgt Ion:266 Resp: 147834

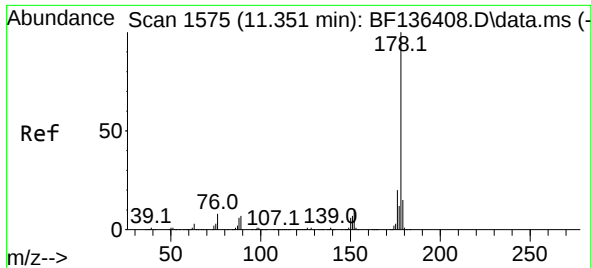
Ion Ratio Lower Upper

266 100

268 64.4 51.0 76.6

264 62.5 52.2 78.4

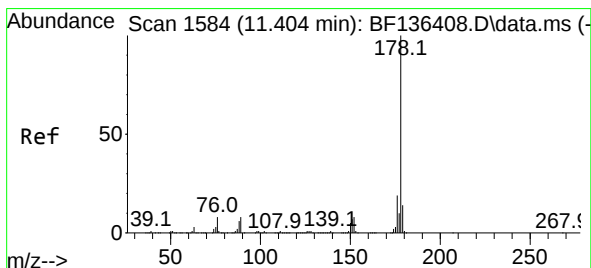
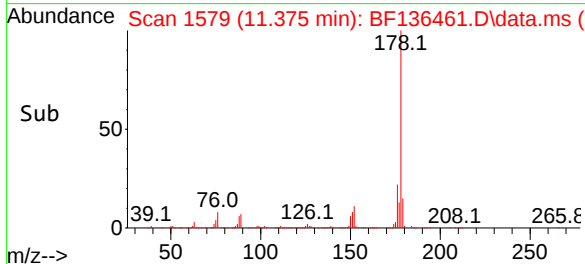
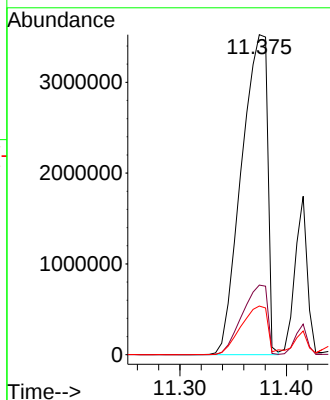
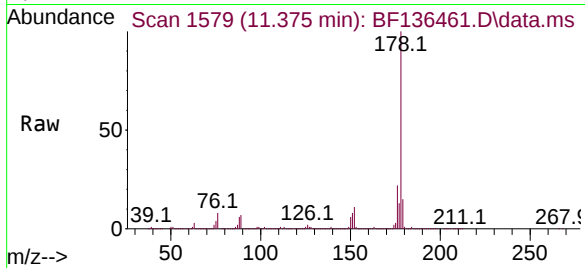




#71
Phenanthrene
Concen: 472.597 ng
RT: 11.375 min Scan# 1575
Delta R.T. 0.024 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

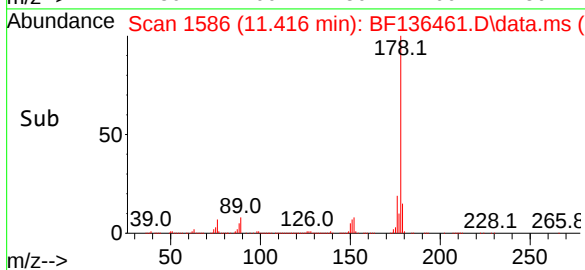
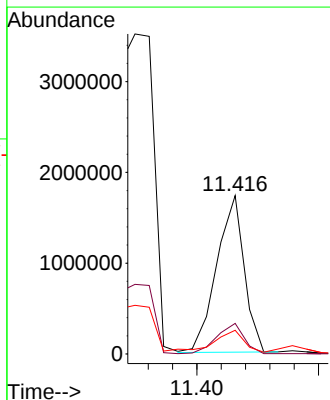
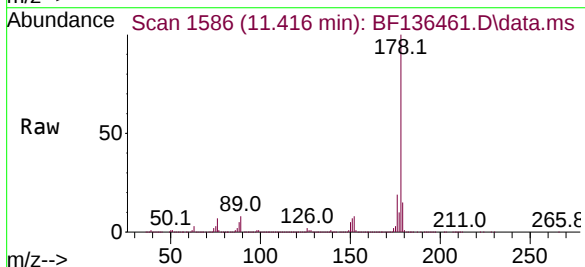
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

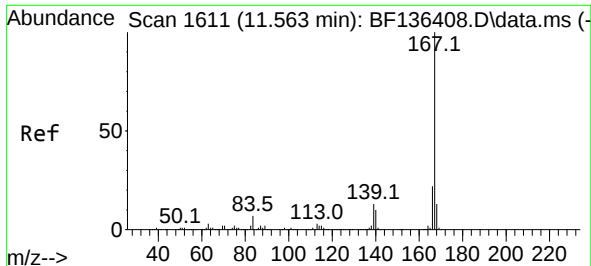
Tgt Ion:178 Resp: 5980445
Ion Ratio Lower Upper
178 100
176 21.8 15.9 23.9
179 15.2 11.8 17.6



#72
Anthracene
Concen: 106.442 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.012 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:178 Resp: 1356684
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.0 11.4 17.0

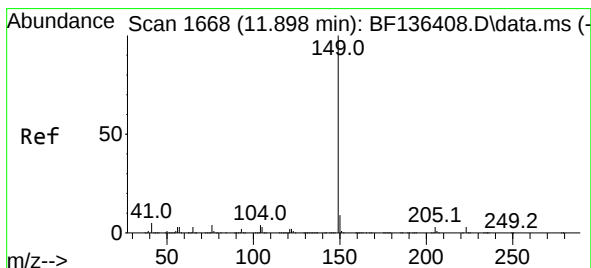
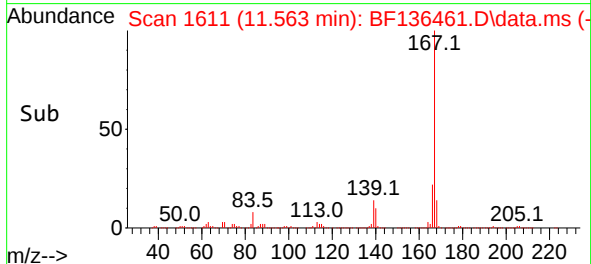
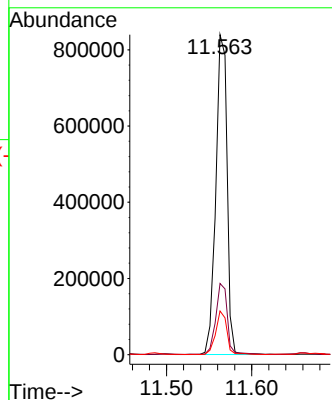
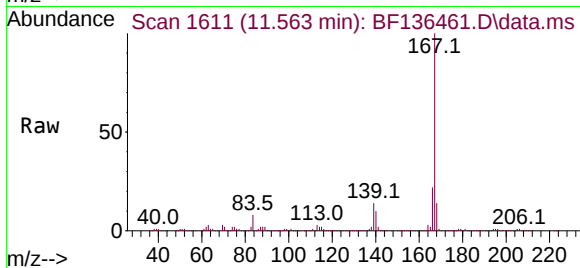




#73
 Carbazole
 Concen: 68.469 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. 0.000 min
 Lab File: BF136461.D
 Acq: 07 Dec 2023 22:44

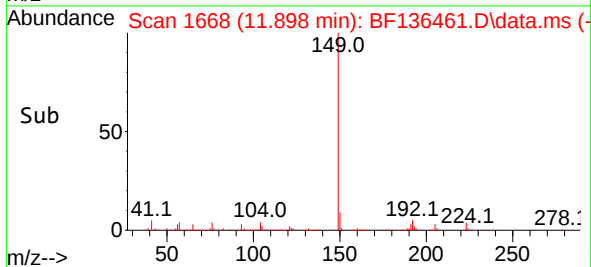
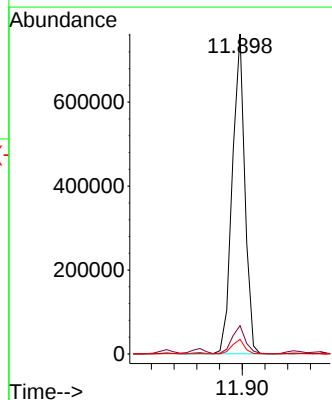
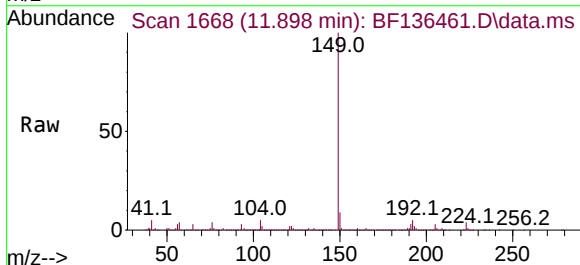
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216MSD

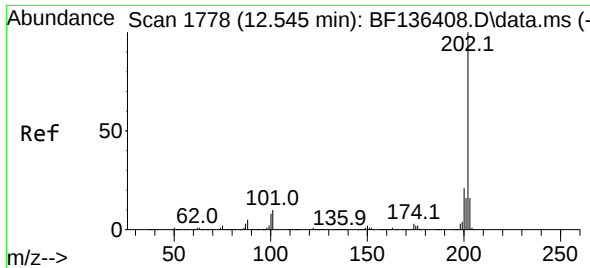
Tgt Ion:167 Resp: 772395
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.0 27.0
 139 13.6 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 42.151 ng
 RT: 11.898 min Scan# 1668
 Delta R.T. 0.000 min
 Lab File: BF136461.D
 Acq: 07 Dec 2023 22:44

Tgt Ion:149 Resp: 582922
 Ion Ratio Lower Upper
 149 100
 150 8.9 6.9 10.3
 104 4.6 3.5 5.3

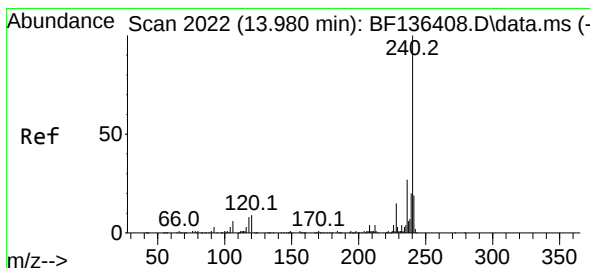
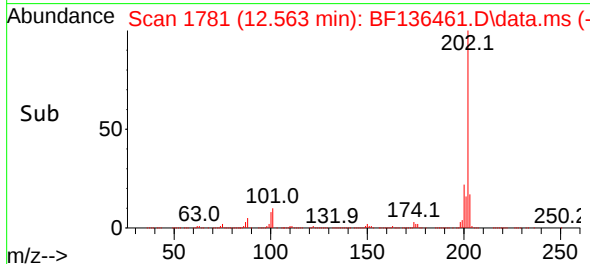
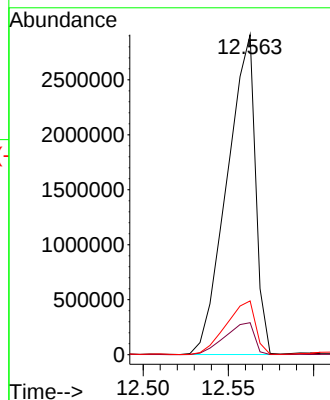
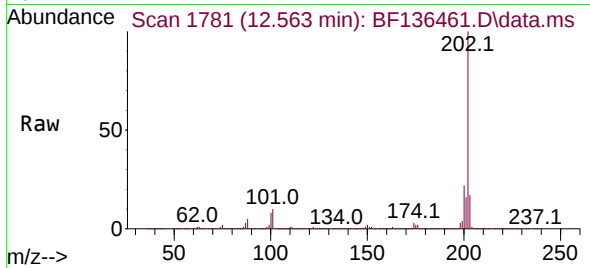




#75
Fluoranthene
Concen: 254.606 ng
RT: 12.563 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

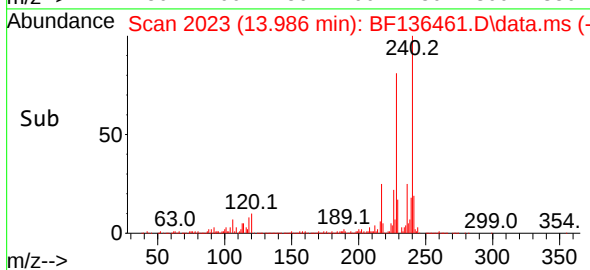
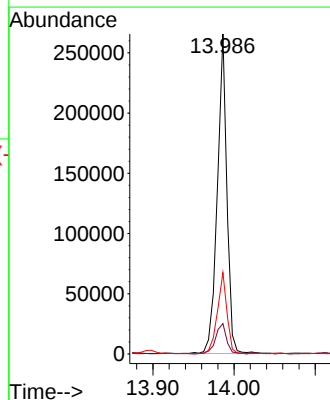
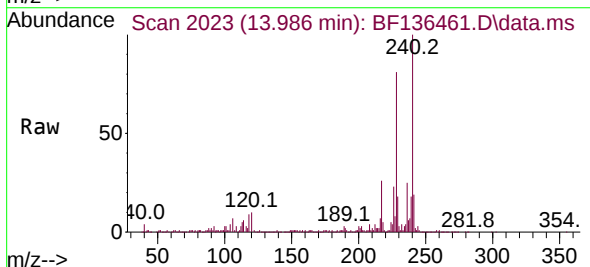
Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

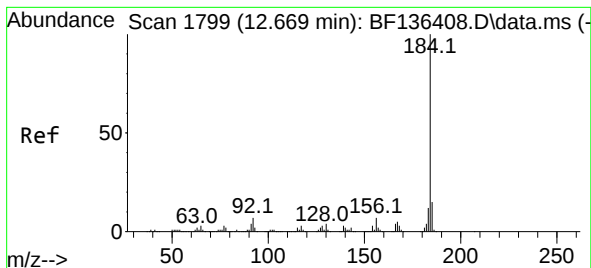
Tgt Ion:202 Resp: 3376361
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.9
203 16.8 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:240 Resp: 216744
Ion Ratio Lower Upper
240 100
120 9.5 7.3 10.9
236 25.5 21.3 31.9





#77

Benzidine

Concen: 52.374 ng

RT: 12.674 min Scan# 1800

Delta R.T. 0.005 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

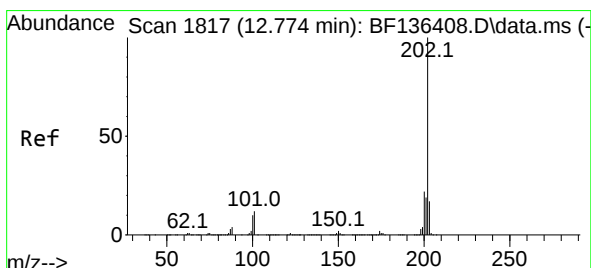
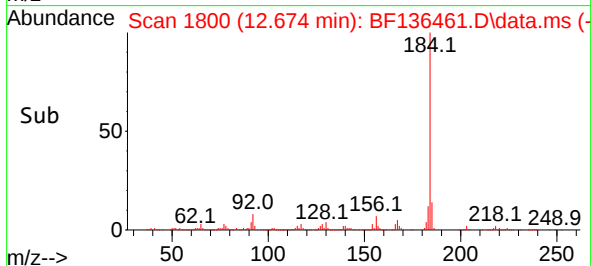
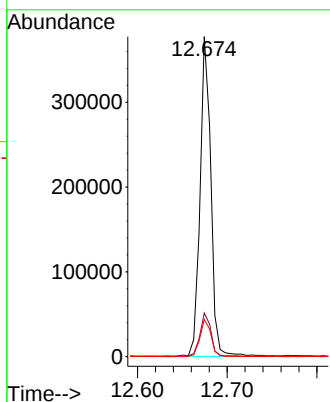
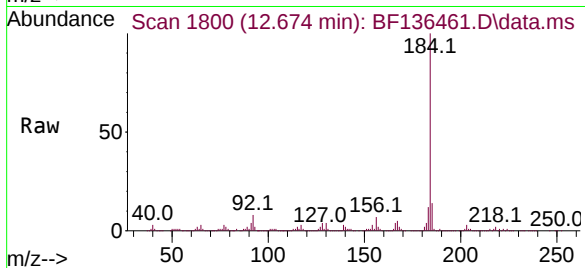
Tgt Ion:184 Resp: 313634

Ion Ratio Lower Upper

184 100

185 13.7 12.0 18.0

183 11.6 9.4 14.0



#78

Pyrene

Concen: 120.764 ng

RT: 12.786 min Scan# 1819

Delta R.T. 0.012 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

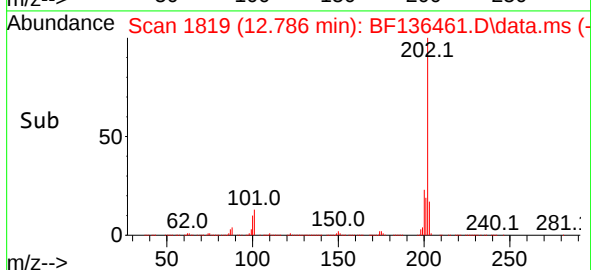
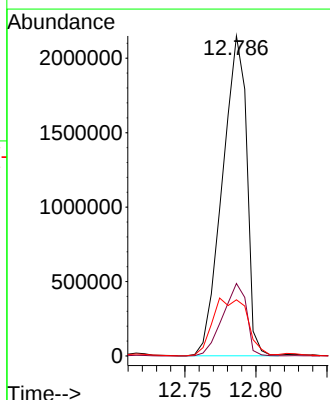
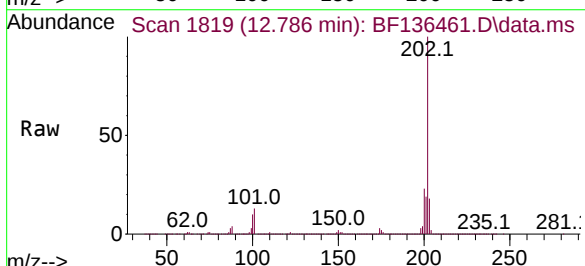
Tgt Ion:202 Resp: 2563469

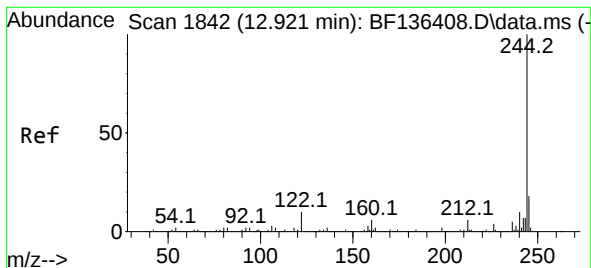
Ion Ratio Lower Upper

202 100

200 22.6 18.0 27.0

203 17.5 13.5 20.3





#79

Terphenyl-d14

Concen: 45.600 ng

RT: 12.922 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

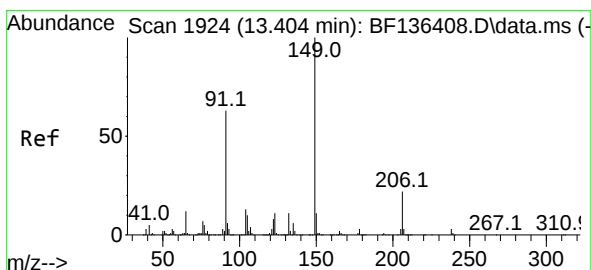
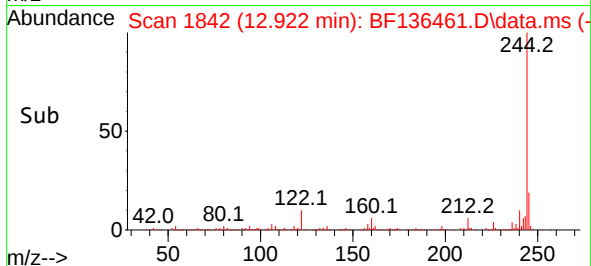
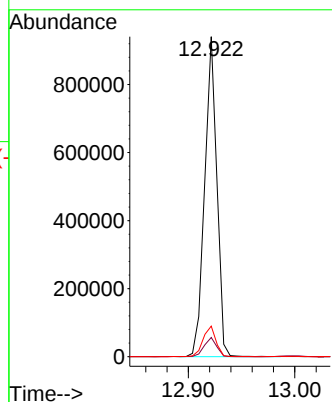
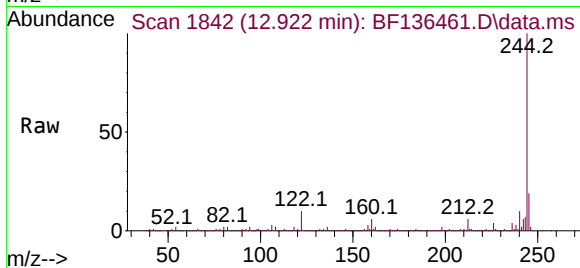
Tgt Ion:244 Resp: 749861

Ion Ratio Lower Upper

244 100

212 6.0 5.0 7.4

122 9.6 8.3 12.5



#80

Butylbenzylphthalate

Concen: 35.978 ng

RT: 13.404 min Scan# 1924

Delta R.T. 0.000 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

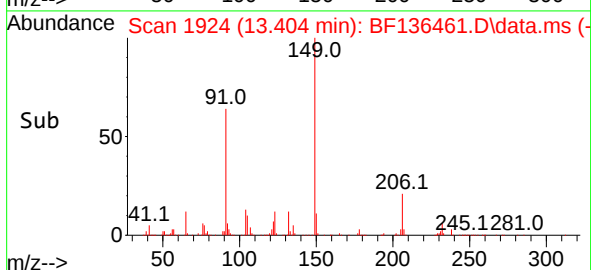
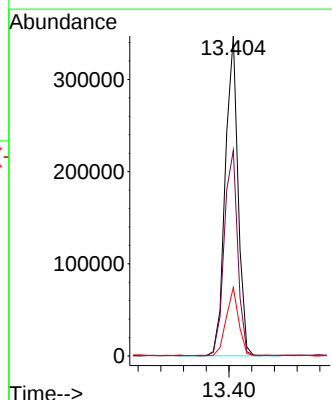
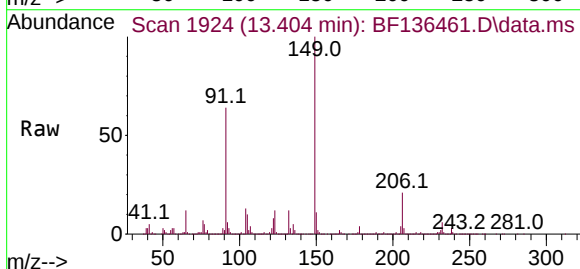
Tgt Ion:149 Resp: 271868

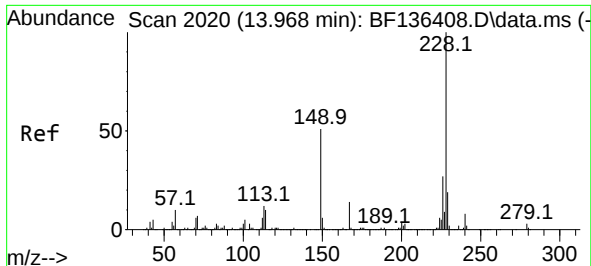
Ion Ratio Lower Upper

149 100

91 64.3 50.5 75.7

206 21.4 17.4 26.2





#81

Benzo(a)anthracene

Concen: 84.017 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

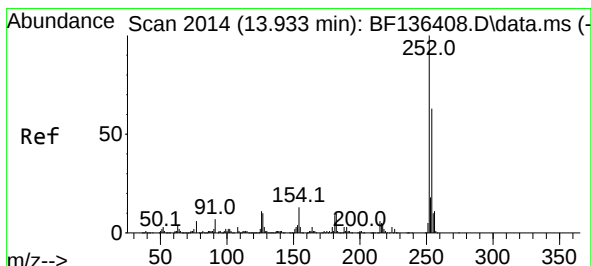
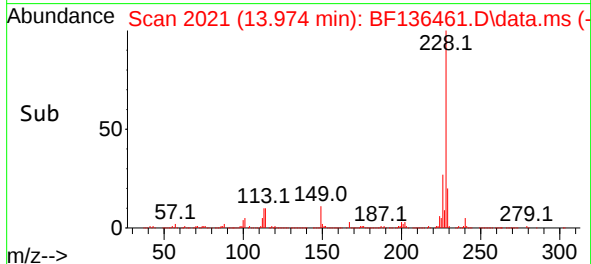
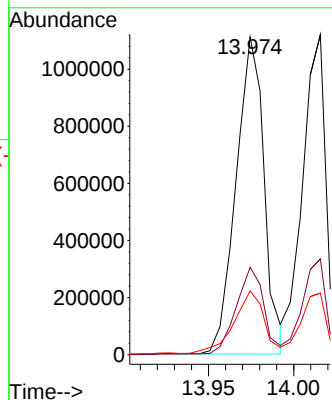
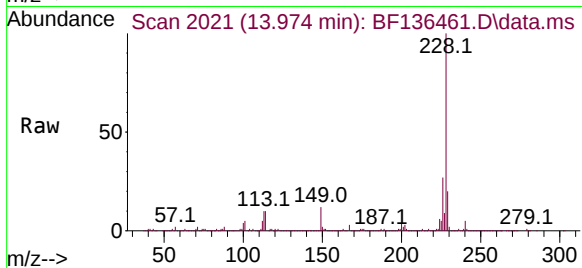
Tgt Ion:228 Resp: 1268448

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

229 20.0 15.0 22.4



#82

3,3'-Dichlorobenzidine

Concen: 28.191 ng

RT: 13.939 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

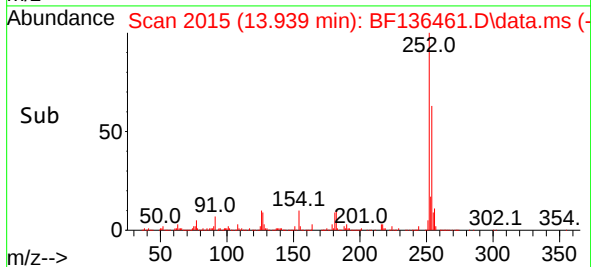
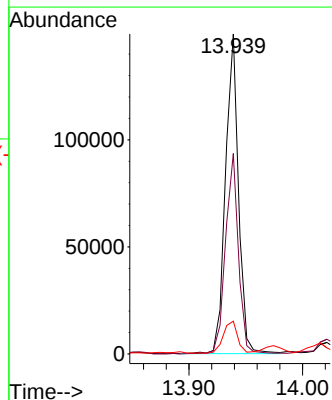
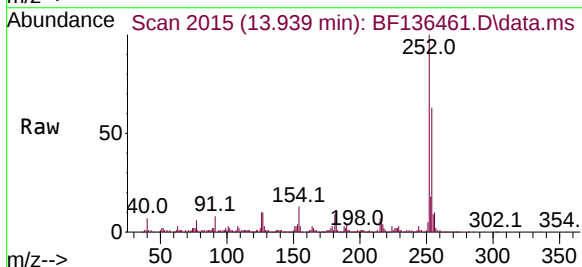
Tgt Ion:252 Resp: 119335

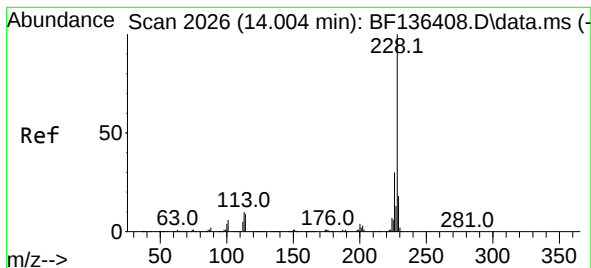
Ion Ratio Lower Upper

252 100

254 62.7 50.8 76.2

126 10.2 8.6 12.8





#83

Chrysene

Concen: 71.366 ng

RT: 14.016 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

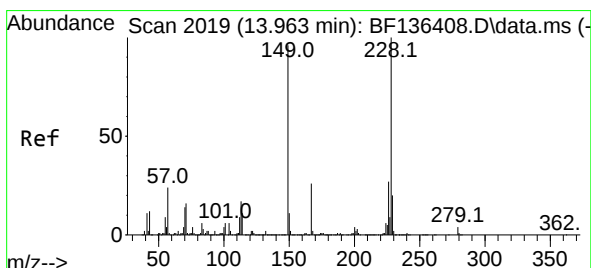
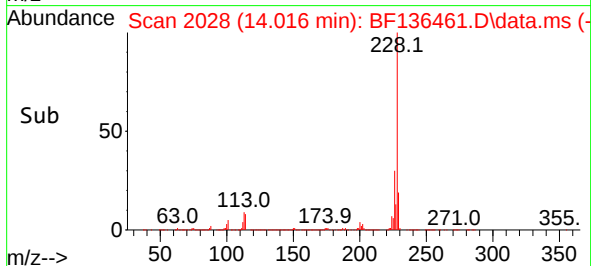
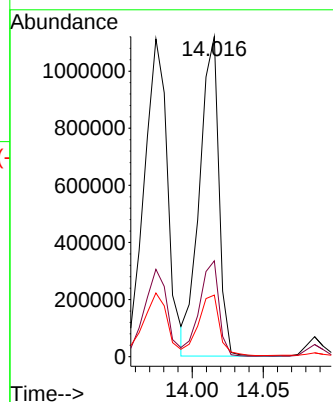
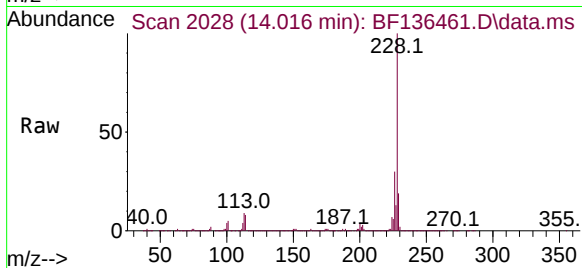
Tgt Ion:228 Resp: 1060072

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

229 19.2 14.8 22.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.077 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

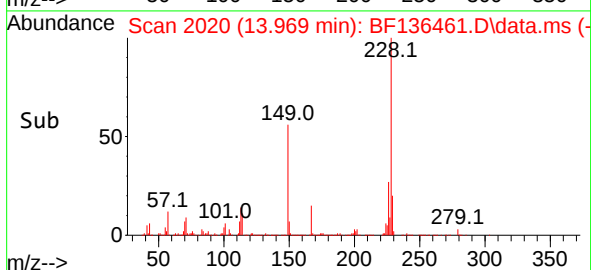
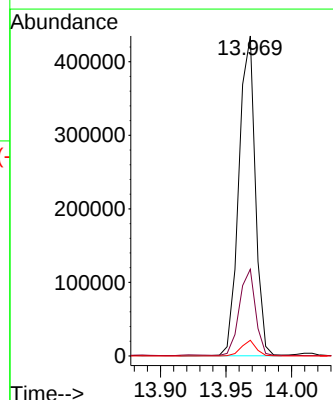
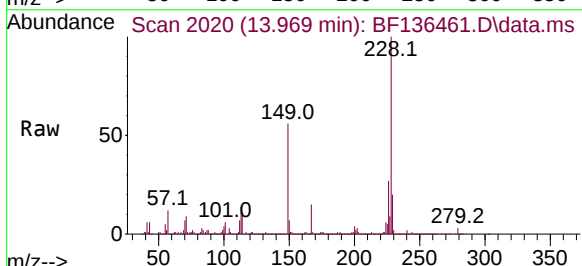
Tgt Ion:149 Resp: 380514

Ion Ratio Lower Upper

149 100

167 27.1 21.2 31.8

279 4.9 3.1 4.7#





#85

Di-n-octyl phthalate

Concen: 53.099 ng

RT: 14.580 min Scan# 2124

Delta R.T. 0.000 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

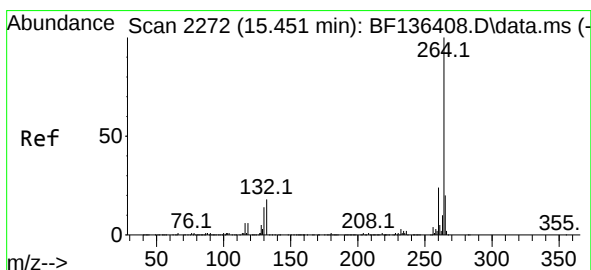
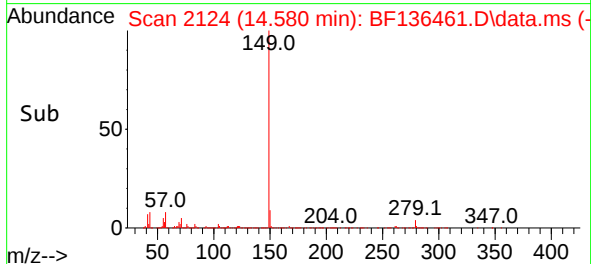
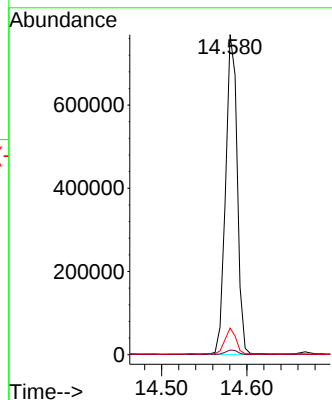
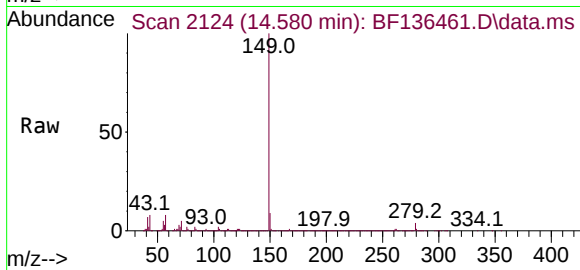
Tgt Ion:149 Resp: 726563

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 7.6 6.8 10.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2273

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

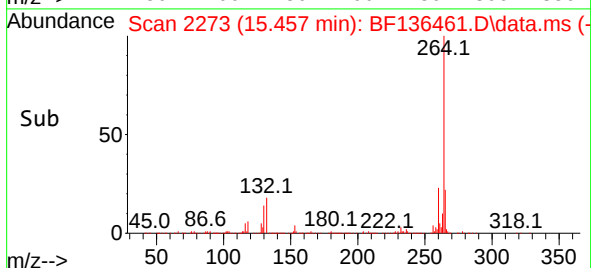
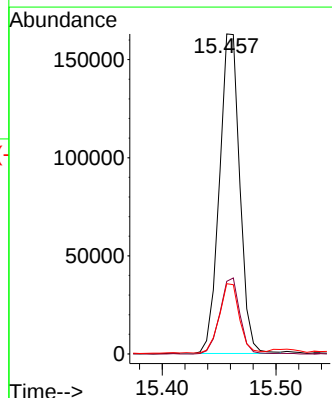
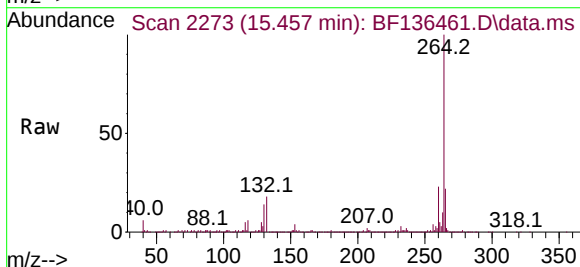
Tgt Ion:264 Resp: 202991

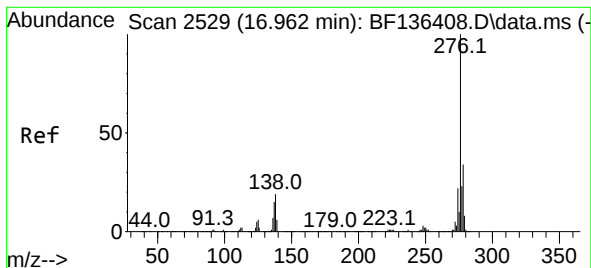
Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

265 21.9 15.9 23.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 34.657 ng

RT: 16.968 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

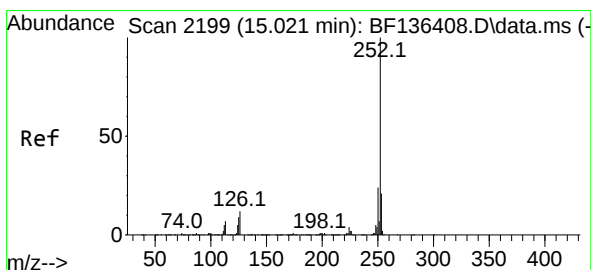
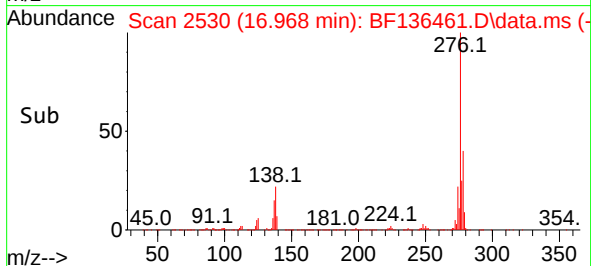
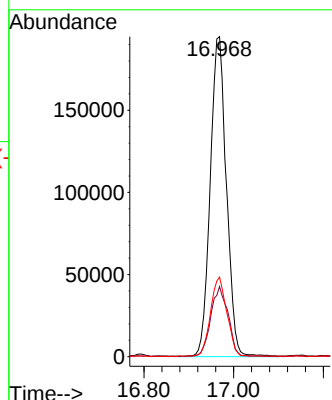
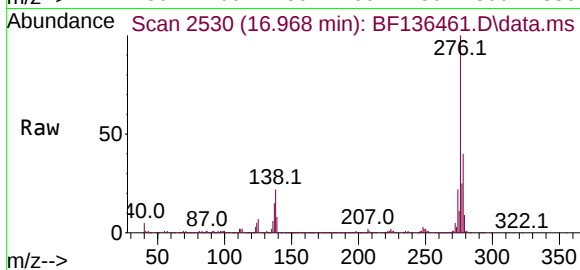
Tgt Ion:276 Resp: 488740

Ion Ratio Lower Upper

276 100

138 23.2 19.0 28.4

277 24.9 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 55.382 ng

RT: 15.027 min Scan# 2200

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

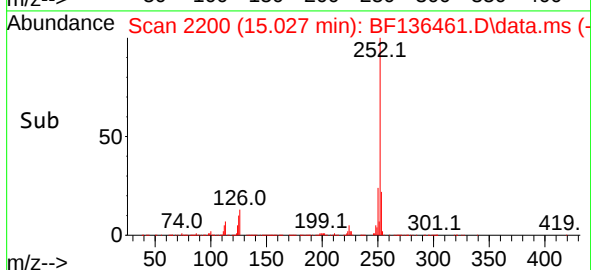
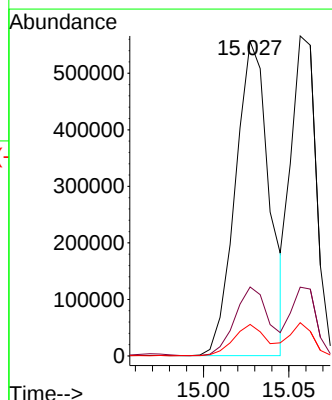
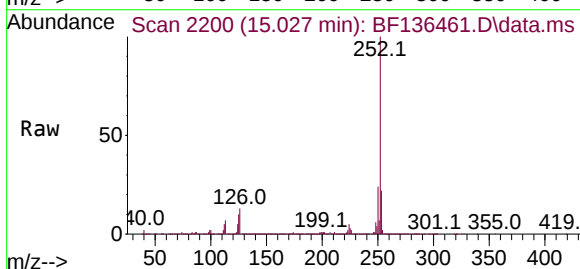
Tgt Ion:252 Resp: 768645

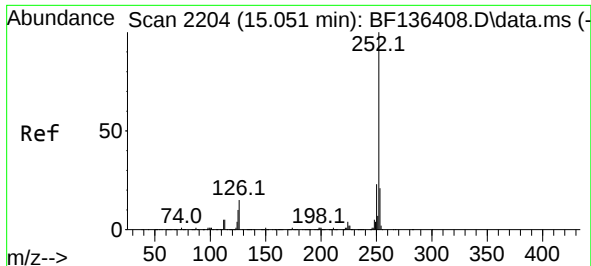
Ion Ratio Lower Upper

252 100

253 22.0 16.9 25.3

125 10.0 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 44.306 ng

RT: 15.057 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

VNJ-216MSD

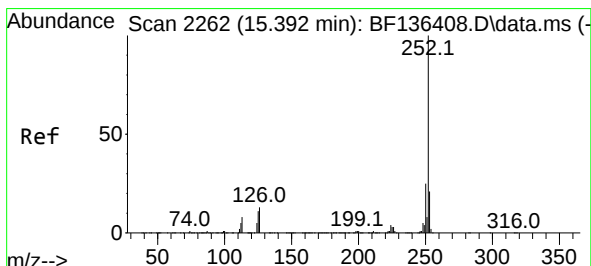
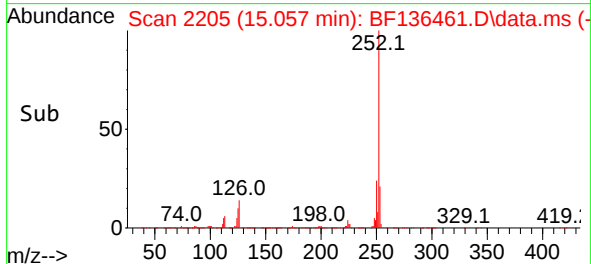
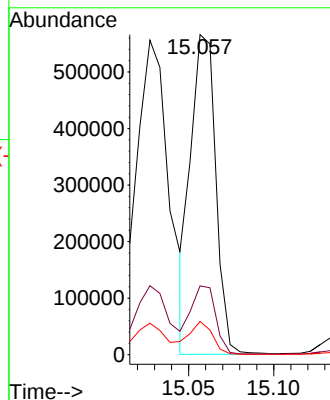
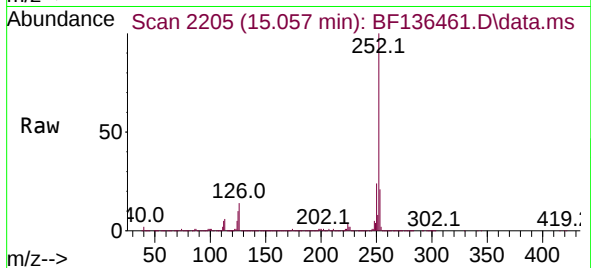
Tgt Ion:252 Resp: 579513

Ion Ratio Lower Upper

252 100

253 21.5 16.9 25.3

125 10.4 7.5 11.3



#90

Benzo(a)pyrene

Concen: 47.920 ng

RT: 15.398 min Scan# 2263

Delta R.T. 0.006 min

Lab File: BF136461.D

Acq: 07 Dec 2023 22:44

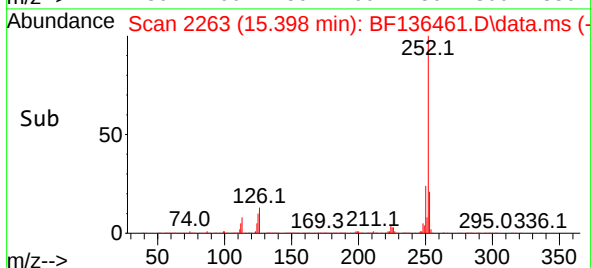
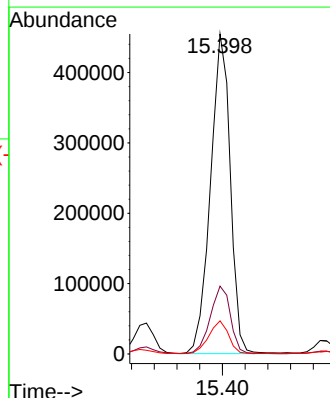
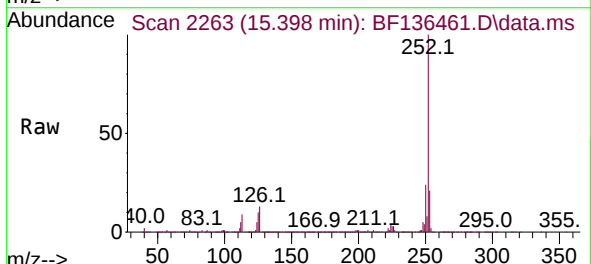
Tgt Ion:252 Resp: 549251

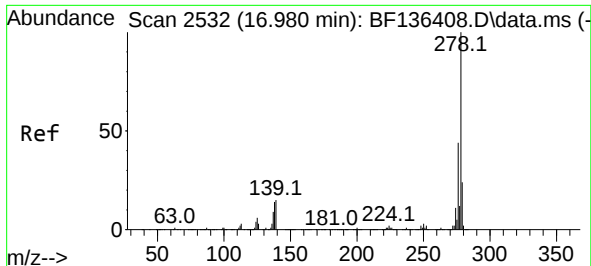
Ion Ratio Lower Upper

252 100

253 21.2 17.0 25.4

125 10.3 8.6 13.0

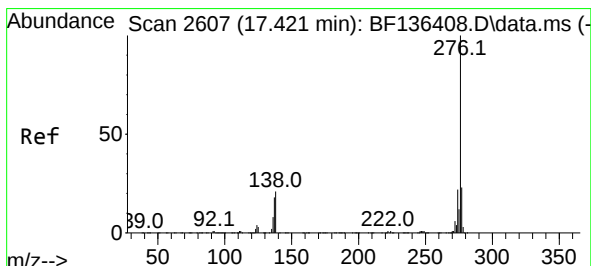
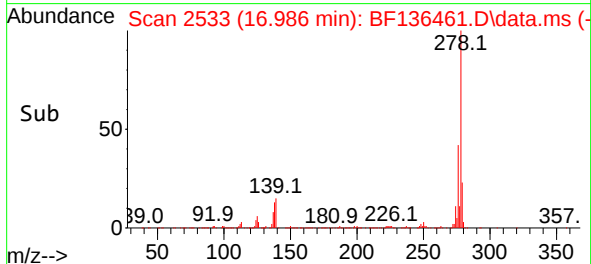
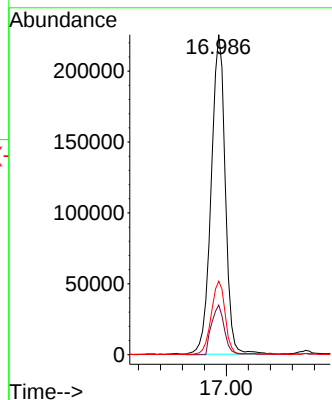
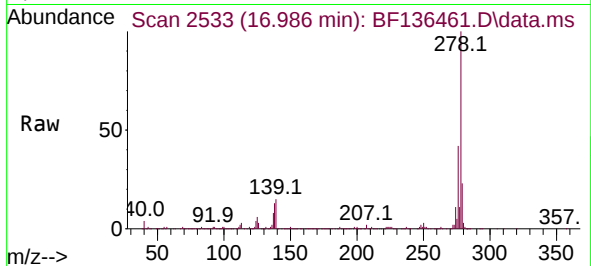




#91
Dibenzo(a,h)anthracene
Concen: 34.602 ng
RT: 16.986 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
VNJ-216MSD

Tgt Ion:278 Resp: 399764
Ion Ratio Lower Upper
278 100
139 15.5 12.2 18.4
279 22.9 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 31.220 ng
RT: 17.421 min Scan# 2607
Delta R.T. 0.000 min
Lab File: BF136461.D
Acq: 07 Dec 2023 22:44

Tgt Ion:276 Resp: 370214
Ion Ratio Lower Upper
276 100
277 23.5 18.7 28.1
138 19.7 16.6 25.0

