

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136554.D
 Acq On : 13 Dec 2023 23:57
 Operator : CG\JU
 Sample : 05629-01DL 10XRE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216DL

Quant Time: Dec 14 01:47:04 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)

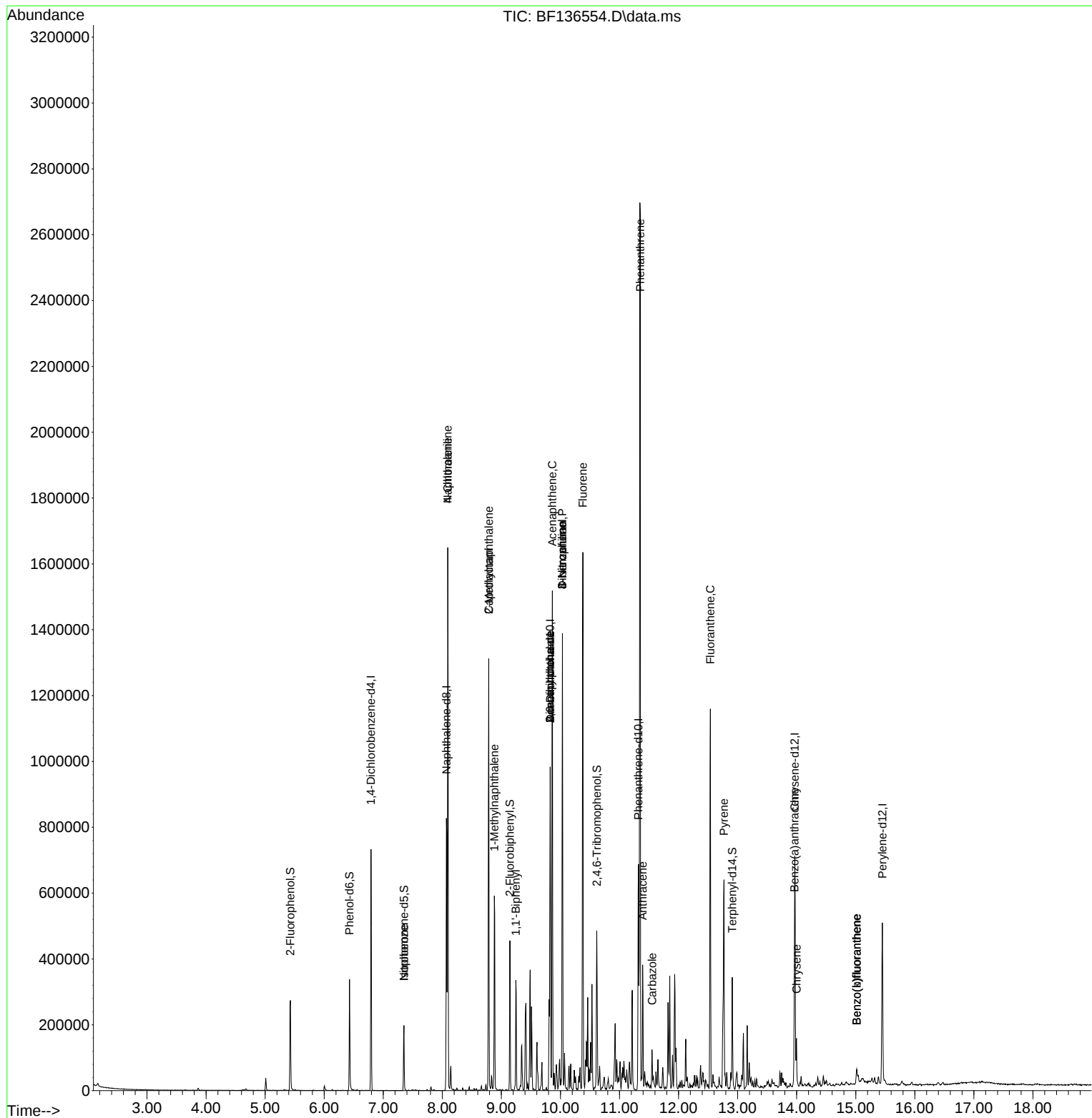
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	100602	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	384850	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	184981	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	277492	20.000	ng	0.00
76) Chrysene-d12	13.968	240	212598	20.000	ng	-0.01
86) Perylene-d12	15.451	264	227327	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	82147	12.059	ng	0.00
7) Phenol-d6	6.428	99	102861	12.103	ng	-0.02
23) Nitrobenzene-d5	7.351	82	57717	8.108	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	20117	8.820	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	120817	8.912	ng	-0.02
79) Terphenyl-d14	12.910	244	102059	6.327	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.428	77	190	Below Cal	#	1
25) Isophorone	7.351	82	57716	4.513	ng	# 65
31) Naphthalene	8.092	128	689630	32.495	ng	98
33) 4-Chloroaniline	8.092	127	90868	12.010	ng	# 32
35) Caprolactam	8.786	113	6606	3.744	ng	# 1
37) 2-Methylnaphthalene	8.786	142	313902	23.249	ng	93
38) 1-Methylnaphthalene	8.881	142	153466	11.583	ng	94
46) 1,1'-Biphenyl	9.245	154	104503	6.639	ng	96
50) Dimethylphthalate	9.828	163	37281	2.737	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	36035	11.761	ng	# 29
52) Acenaphthene	9.863	154	295675	26.439	ng	97
53) 3-Nitroaniline	10.033	138	8068	2.579	ng	# 9
55) Dibenzofuran	10.033	168	472474	28.920	ng	98
56) 4-Nitrophenol	10.033	139	179200	76.403	ng	# 9
58) Fluorene	10.380	166	420547	32.068	ng	99
71) Phenanthrene	11.351	178	1140930	74.804	ng	99
72) Anthracene	11.392	178	135682	8.832	ng	97
73) Carbazole	11.551	167	40769	2.998	ng	96
75) Fluoranthene	12.539	202	450384	28.178	ng	97
77) Benzidine	12.669	184	73	Below Cal	#	66
78) Pyrene	12.769	202	275032	13.209	ng	98
81) Benzo(a)anthracene	13.963	228	76725	5.181	ng	96
83) Chrysene	13.998	228	59268	4.068	ng	95
88) Benzo(b)fluoranthene	15.015	252	32763	2.108	ng	# 95
89) Benzo(k)fluoranthene	15.015	252	32763	2.237	ng	# 95

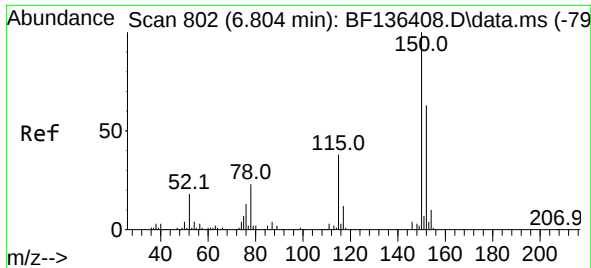
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
Data File : BF136554.D
Acq On : 13 Dec 2023 23:57
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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Quant Time: Dec 14 01:47:04 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

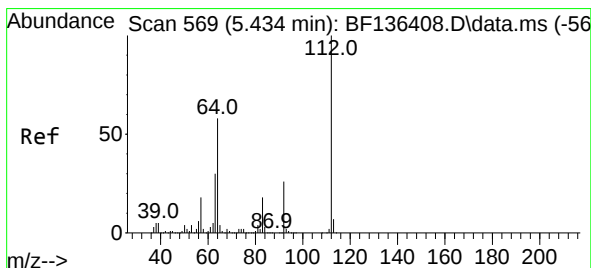
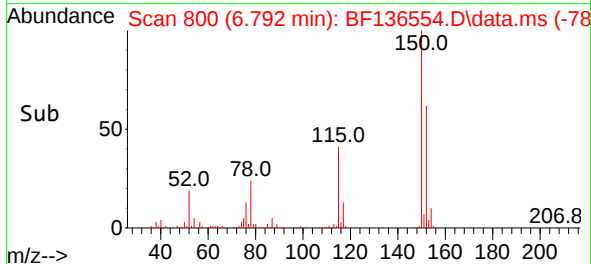
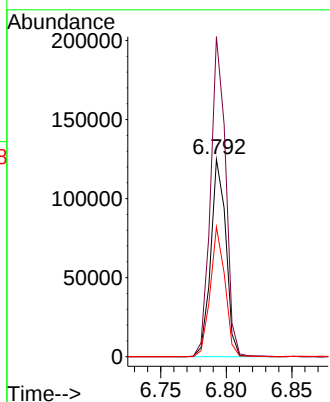
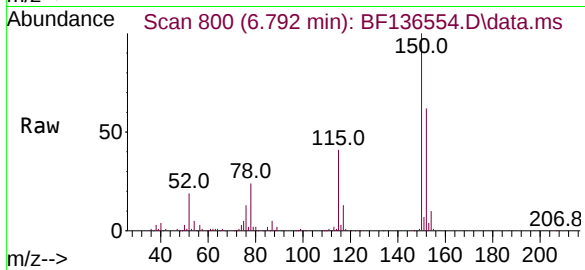




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 802
 Delta R.T. -0.012 min
 Lab File: BF136554.D
 Acq: 13 Dec 2023 23:57

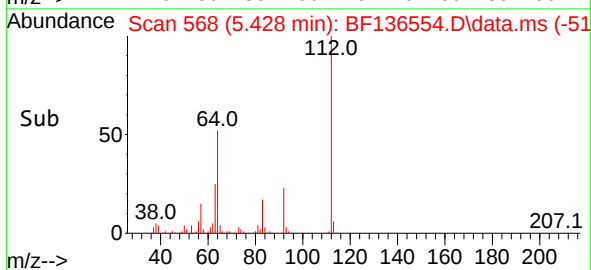
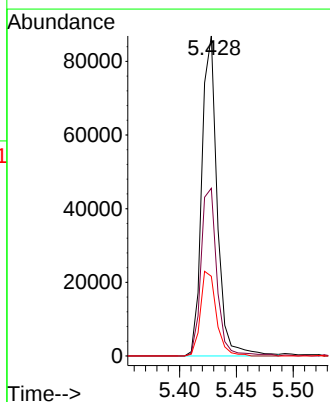
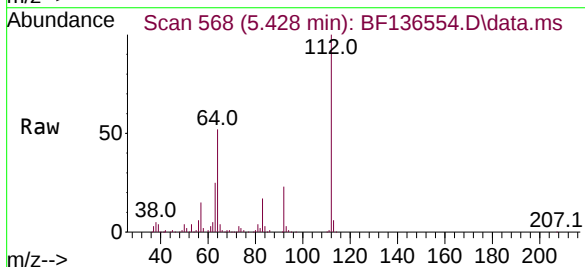
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216DL

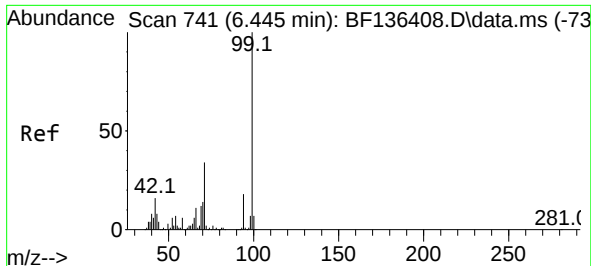
Tgt Ion:152 Resp: 100602
 Ion Ratio Lower Upper
 152 100
 150 162.2 126.4 189.6
 115 65.8 48.2 72.4



#5
 2-Fluorophenol
 Concen: 12.059 ng
 RT: 5.428 min Scan# 568
 Delta R.T. -0.006 min
 Lab File: BF136554.D
 Acq: 13 Dec 2023 23:57

Tgt Ion:112 Resp: 82147
 Ion Ratio Lower Upper
 112 100
 64 52.4 46.5 69.7
 63 24.9 23.9 35.9

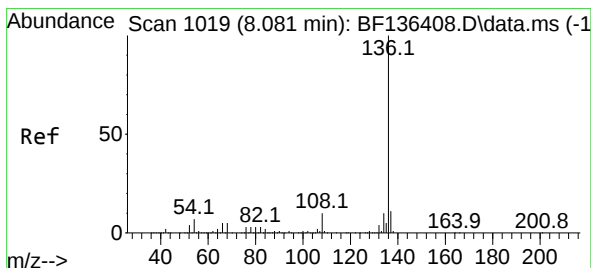
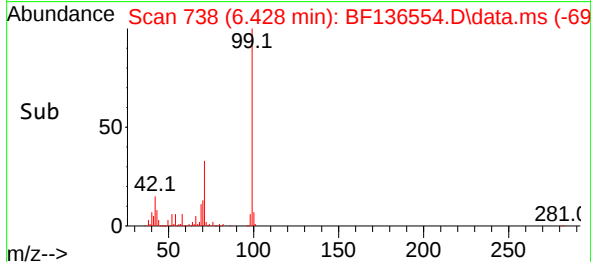
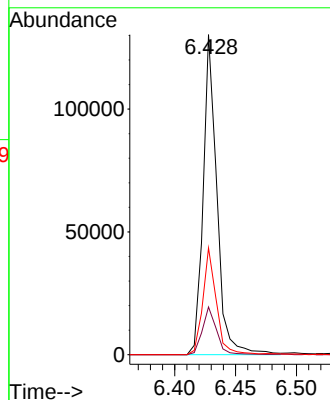
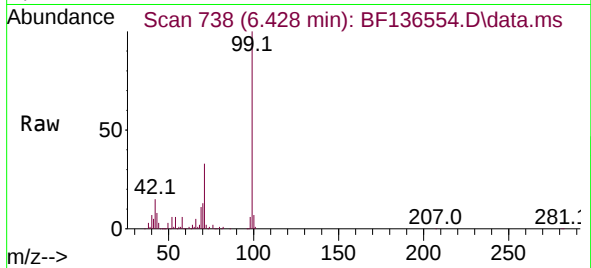




#7
Phenol-d6
Concen: 12.103 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

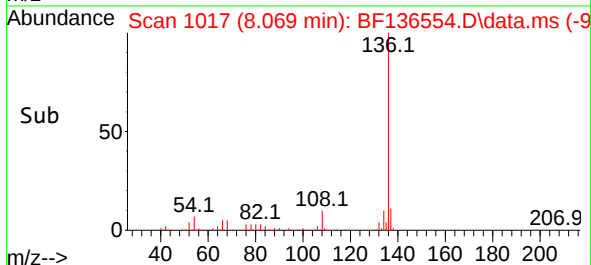
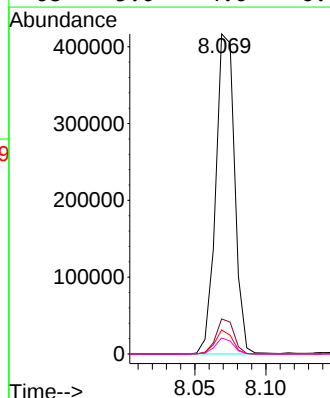
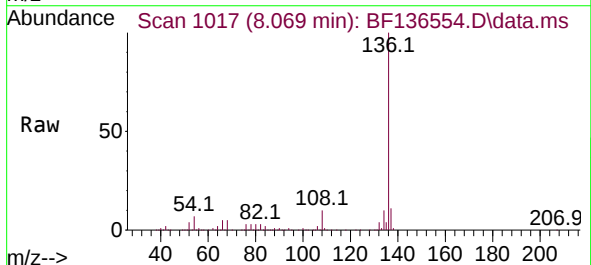
Instrument :
BNA_F
ClientSampleId :
VNJ-216DL

Tgt Ion: 99 Resp: 102861
Ion Ratio Lower Upper
99 100
42 14.9 12.8 19.2
71 33.4 27.0 40.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

Tgt Ion: 136 Resp: 384850
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 7.5 5.7 8.5
68 5.0 4.0 6.0

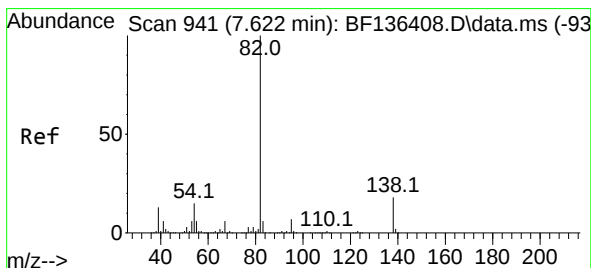
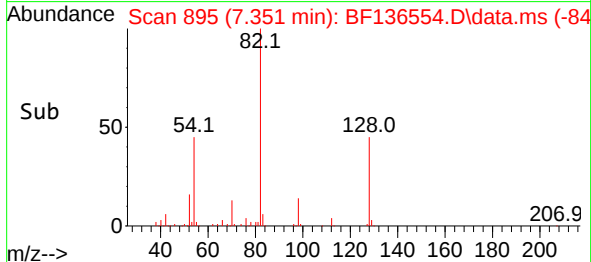
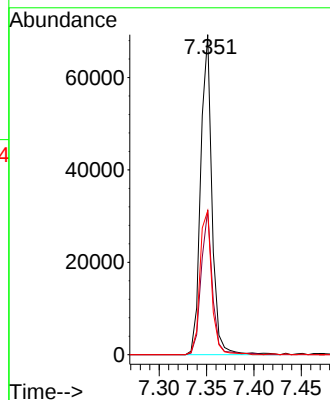
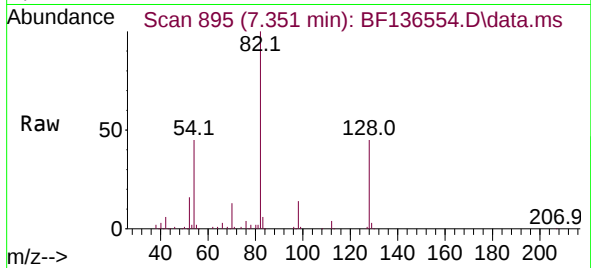




#23
Nitrobenzene-d5
Concen: 8.108 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

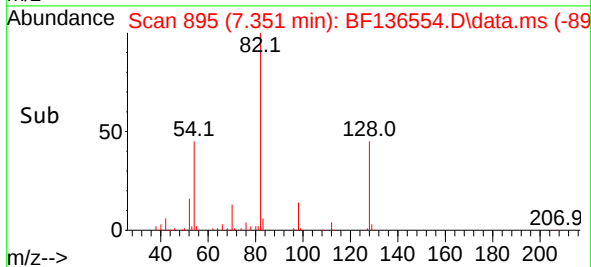
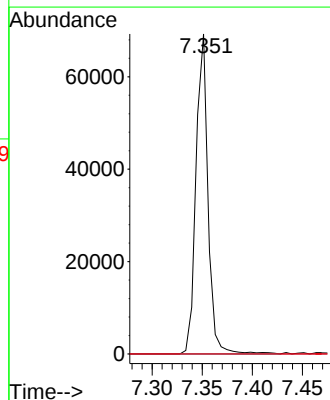
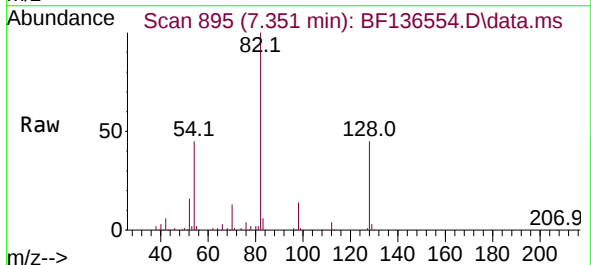
Instrument :
BNA_F
ClientSampleId :
VNJ-216DL

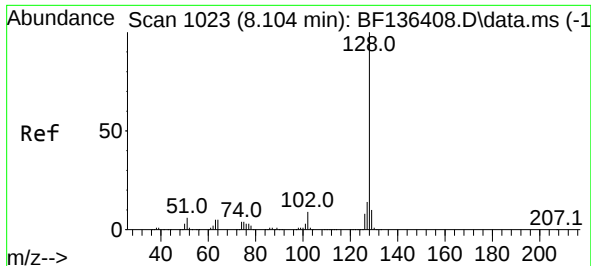
Tgt Ion: 82 Resp: 57717
Ion Ratio Lower Upper
82 100
128 45.3 36.3 54.5
54 44.9 39.0 58.6



#25
Isophorone
Concen: 4.513 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

Tgt Ion: 82 Resp: 57716
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#

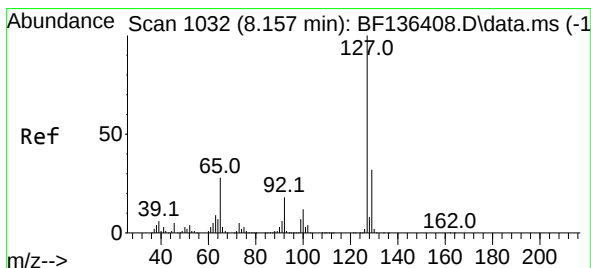
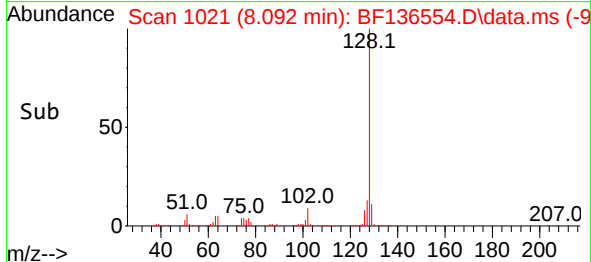
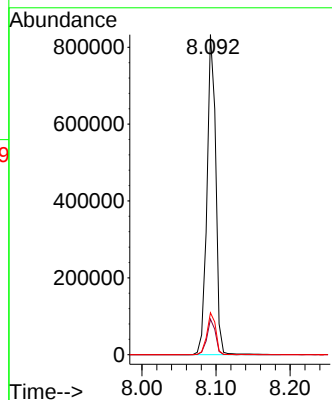
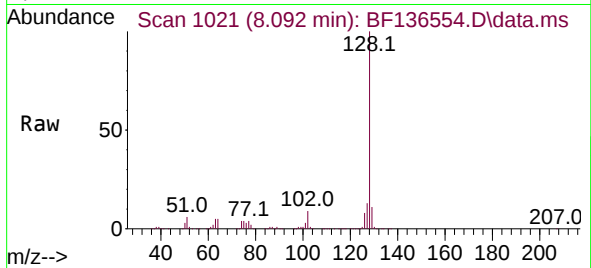




#31
Naphthalene
Concen: 32.495 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

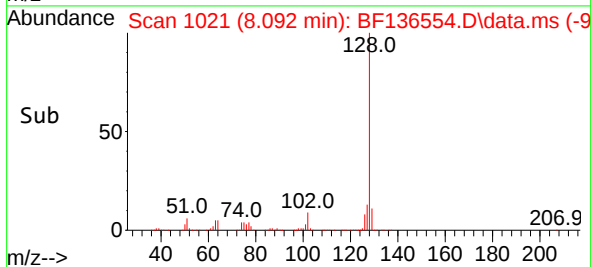
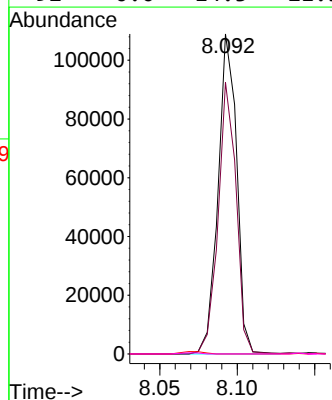
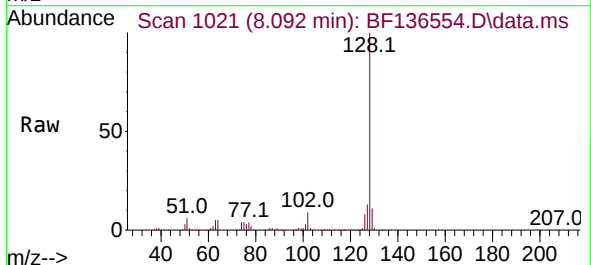
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ClientSampleId :
VNJ-216DL

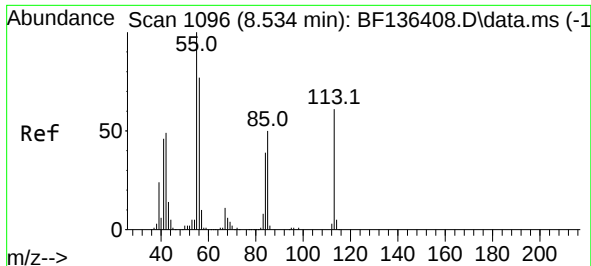
Tgt Ion:128 Resp: 689630
Ion Ratio Lower Upper
128 100
129 11.1 8.3 12.5
127 13.1 11.1 16.7



#33
4-Chloroaniline
Concen: 12.010 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.065 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

Tgt Ion:127 Resp: 90868
Ion Ratio Lower Upper
127 100
129 84.9 25.4 38.2#
65 0.0 22.5 33.7#
92 0.0 14.3 21.5#

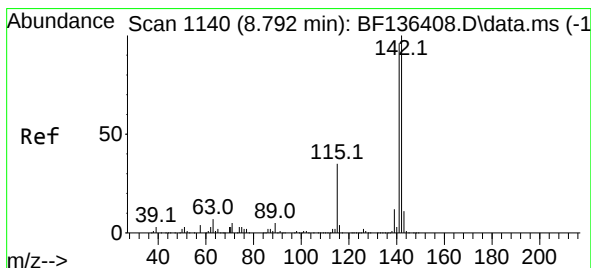
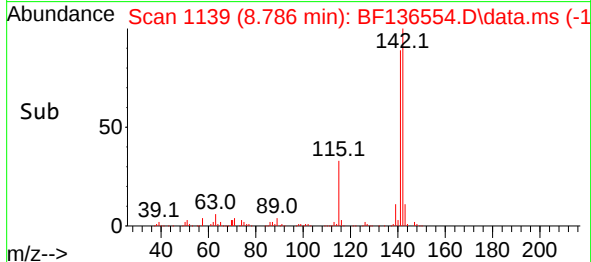
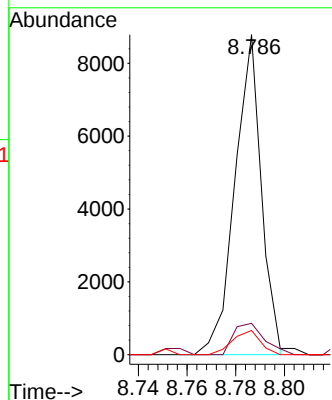
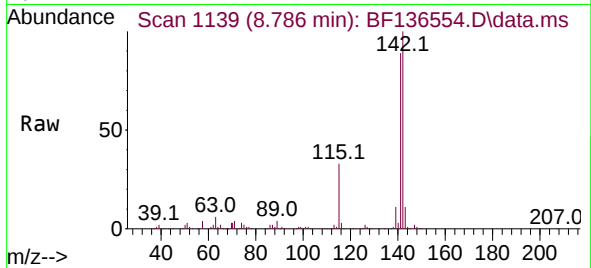




#35
 Caprolactam
 Concen: 3.744 ng
 RT: 8.786 min Scan# 1139
 Delta R.T. 0.253 min
 Lab File: BF136554.D
 Acq: 13 Dec 2023 23:57

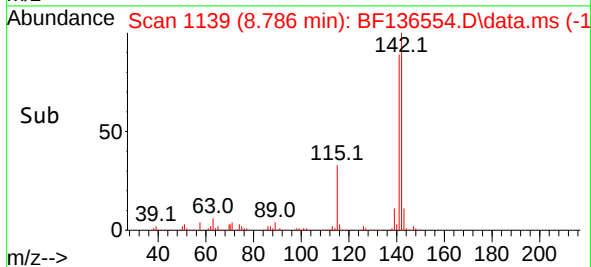
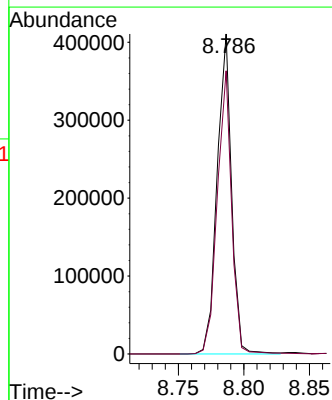
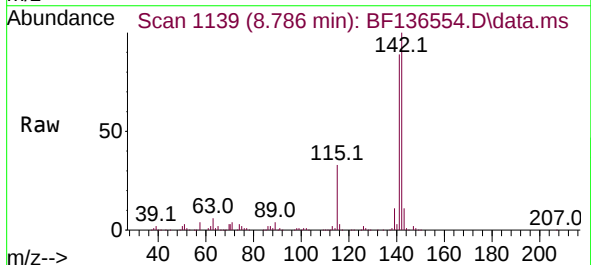
Instrument :
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 VNJ-216DL

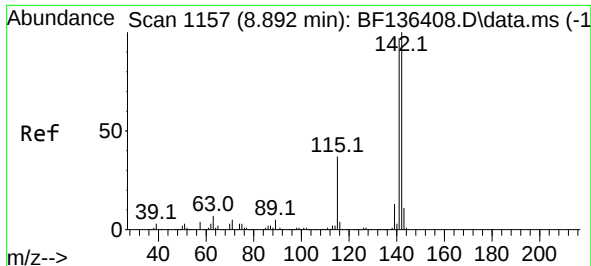
Tgt Ion:113 Resp: 6606
 Ion Ratio Lower Upper
 113 100
 55 9.8 143.7 183.7#
 56 7.5 105.2 145.2#



#37
 2-Methylnaphthalene
 Concen: 23.249 ng
 RT: 8.786 min Scan# 1139
 Delta R.T. -0.006 min
 Lab File: BF136554.D
 Acq: 13 Dec 2023 23:57

Tgt Ion:142 Resp: 313902
 Ion Ratio Lower Upper
 142 100
 141 88.5 76.4 114.6





#38

1-Methylnaphthalene

Concen: 11.583 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF136554.D

Acq: 13 Dec 2023 23:57

Instrument :

BNA_F

ClientSampleId :

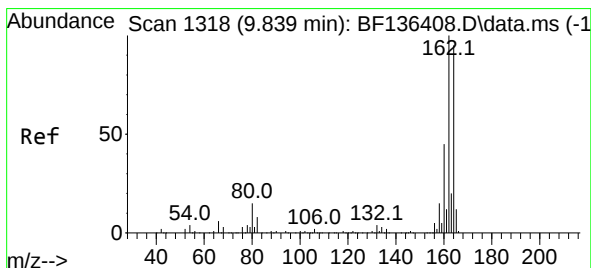
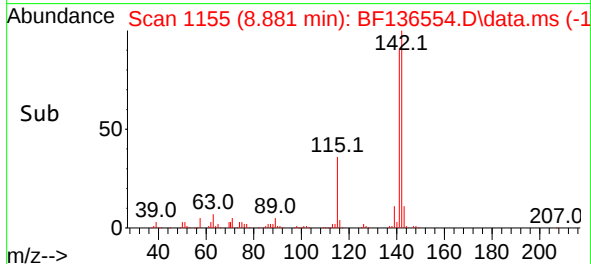
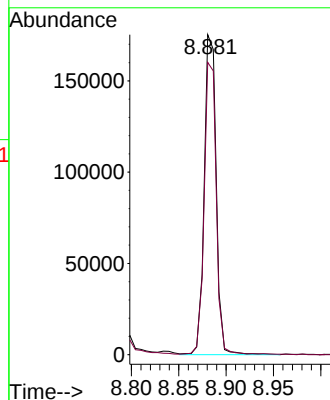
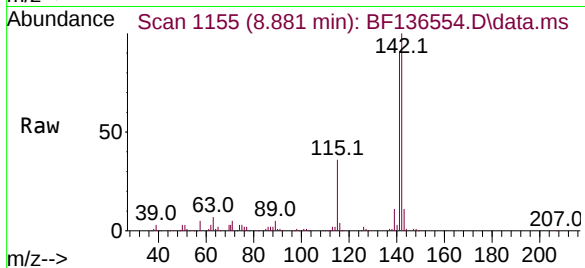
VNJ-216DL

Tgt Ion:142 Resp: 153466

Ion Ratio Lower Upper

142 100

141 91.3 77.7 116.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136554.D

Acq: 13 Dec 2023 23:57

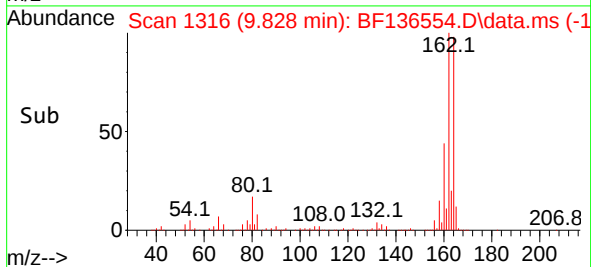
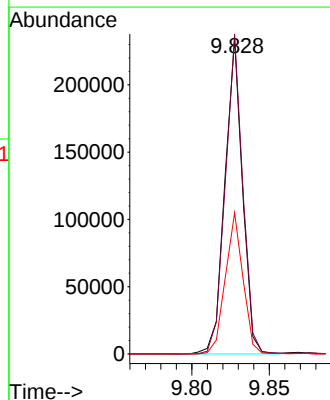
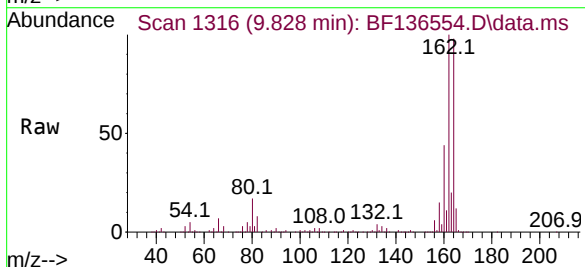
Tgt Ion:164 Resp: 184981

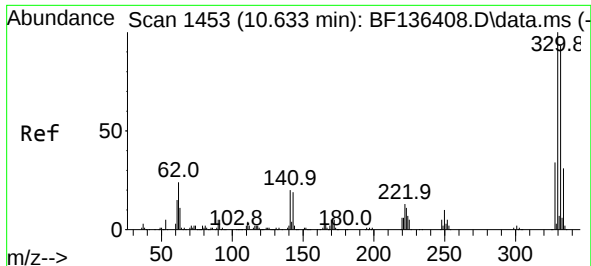
Ion Ratio Lower Upper

164 100

162 101.6 84.4 126.6

160 44.8 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 8.820 ng

RT: 10.616 min Scan# 1453

Delta R.T. -0.018 min

Lab File: BF136554.D

Acq: 13 Dec 2023 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-216DL

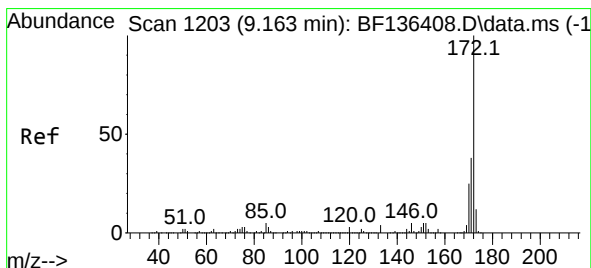
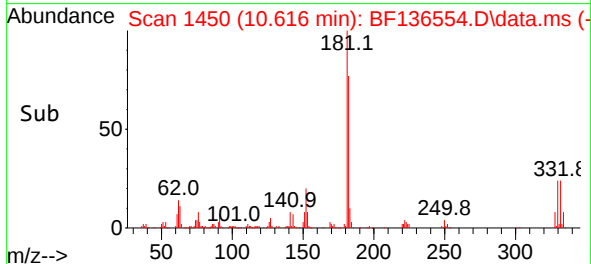
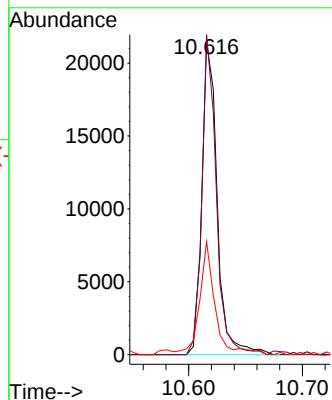
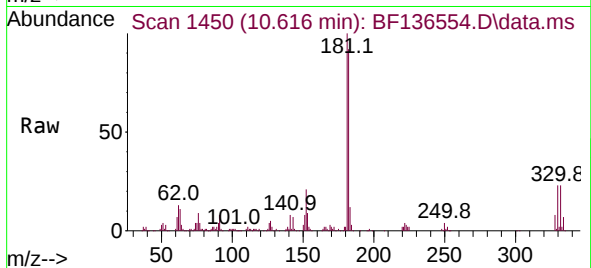
Tgt Ion:330 Resp: 20117

Ion Ratio Lower Upper

330 100

332 95.9 76.4 114.6

141 36.5 23.4 35.2#



#45

2-Fluorobiphenyl

Concen: 8.912 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF136554.D

Acq: 13 Dec 2023 23:57

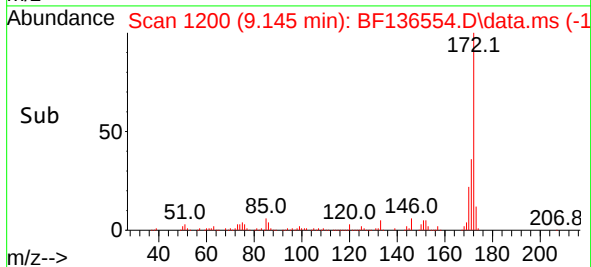
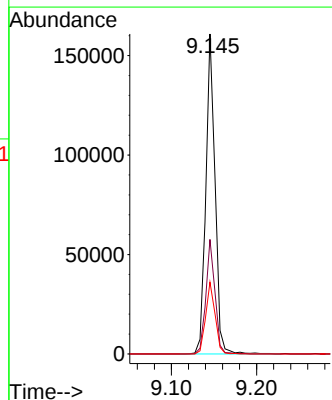
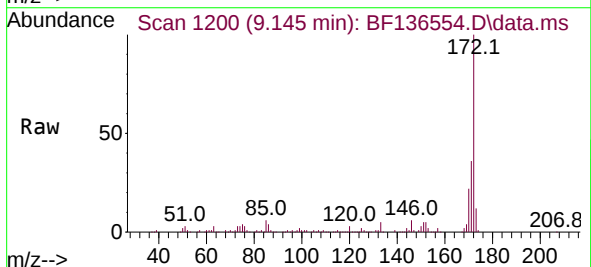
Tgt Ion:172 Resp: 120817

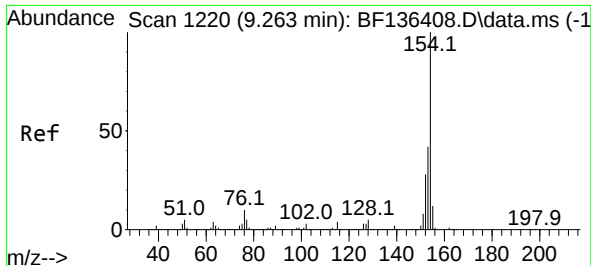
Ion Ratio Lower Upper

172 100

171 35.8 30.5 45.7

170 22.4 19.9 29.9

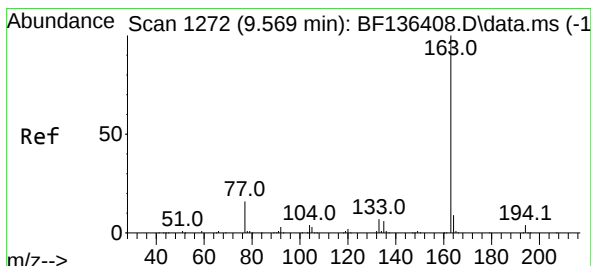
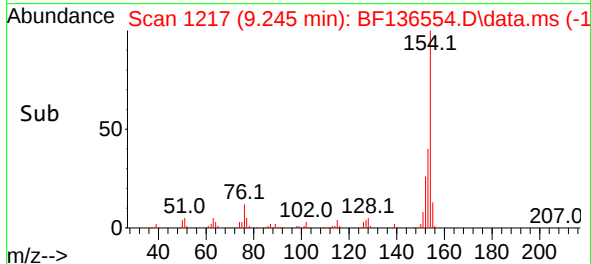
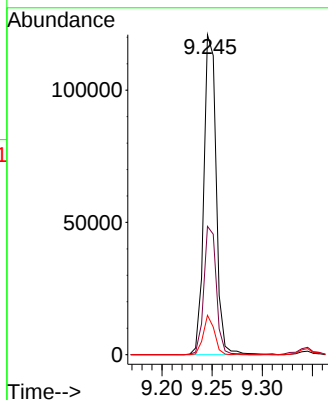
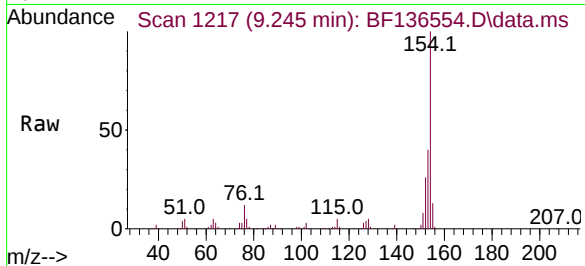




#46
1,1'-Biphenyl
Concen: 6.639 ng
RT: 9.245 min Scan# 1316
Delta R.T. -0.018 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

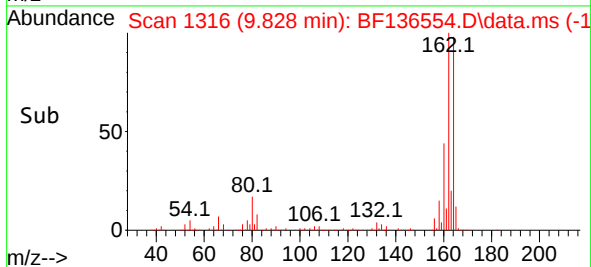
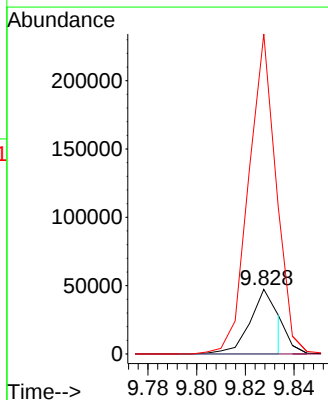
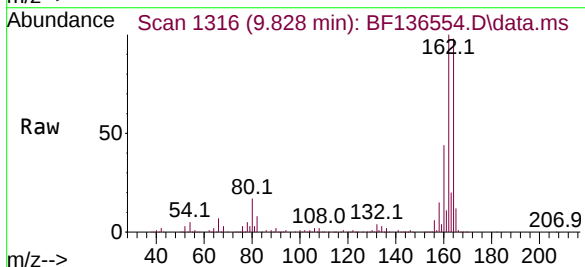
Instrument :
BNA_F
ClientSampleId :
VNJ-216DL

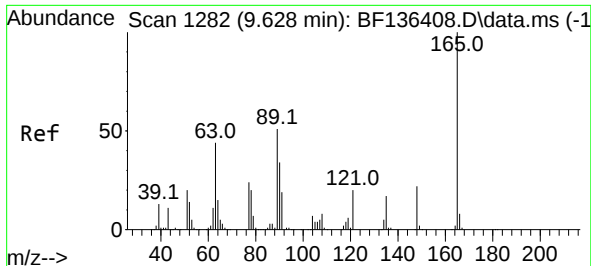
Tgt Ion:154 Resp: 104503
Ion Ratio Lower Upper
154 100
153 40.1 22.5 62.5
76 12.3 0.0 29.9



#50
Dimethylphthalate
Concen: 2.737 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

Tgt Ion:163 Resp: 37281
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 495.3 7.4 11.2#





#51

2,6-Dinitrotoluene

Concen: 11.761 ng

RT: 9.828 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF136554.D

Acq: 13 Dec 2023 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-216DL

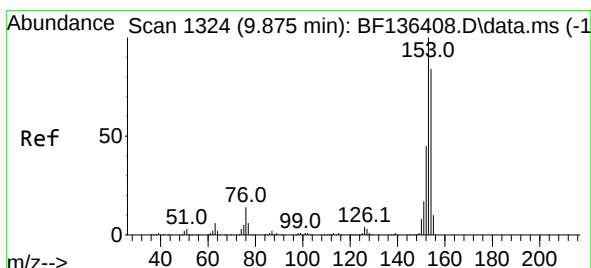
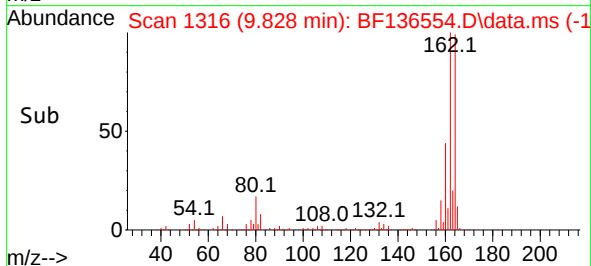
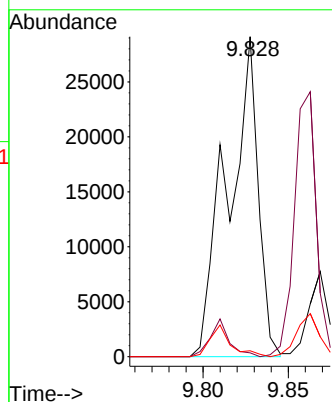
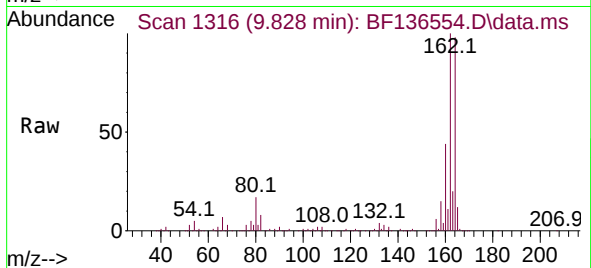
Tgt Ion:165 Resp: 36035

Ion Ratio Lower Upper

165 100

63 1.2 40.4 60.6#

89 1.9 40.6 60.8#



#52

Acenaphthene

Concen: 26.439 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.012 min

Lab File: BF136554.D

Acq: 13 Dec 2023 23:57

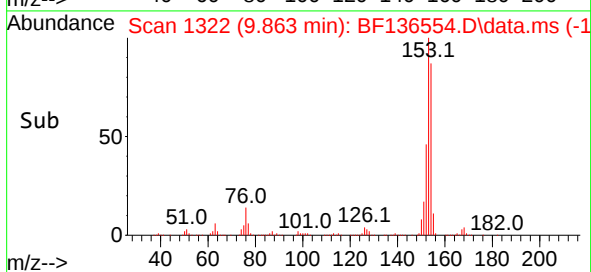
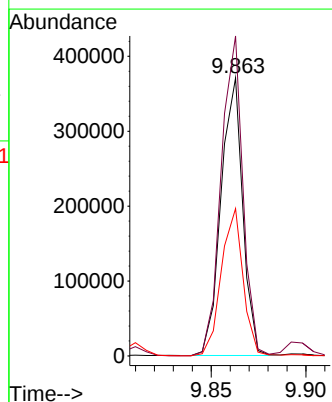
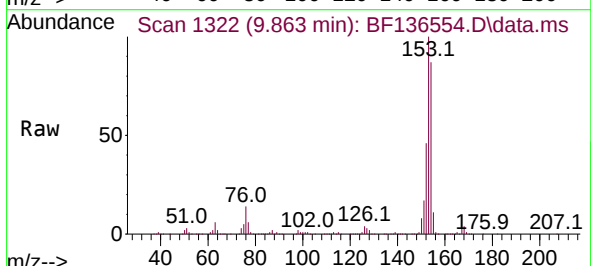
Tgt Ion:154 Resp: 295675

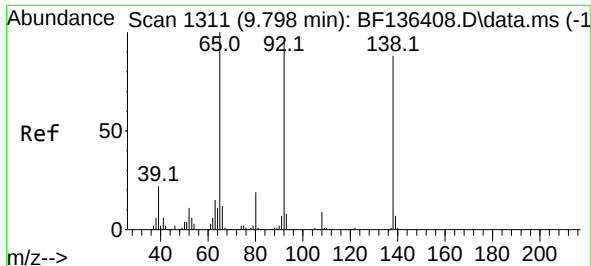
Ion Ratio Lower Upper

154 100

153 115.0 95.3 142.9

152 53.0 43.2 64.8

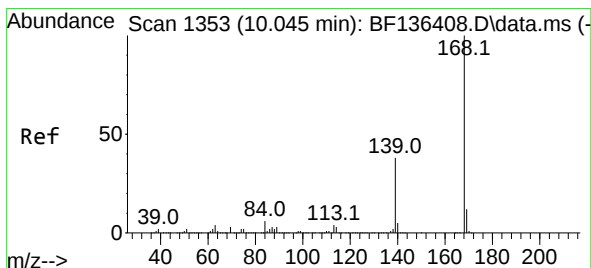
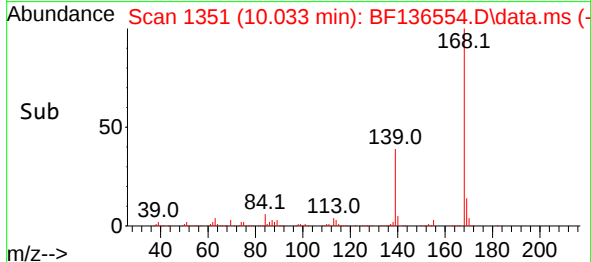
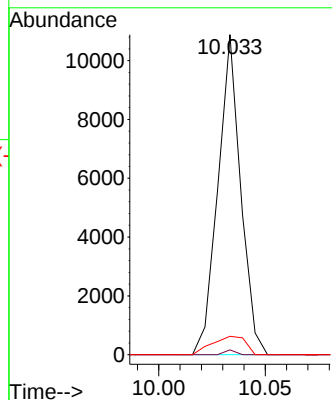
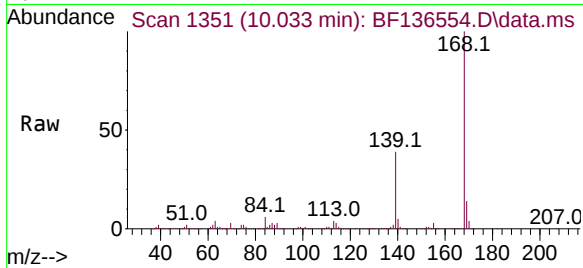




#53
3-Nitroaniline
Concen: 2.579 ng
RT: 10.033 min Scan# 1351
Delta R.T. 0.235 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

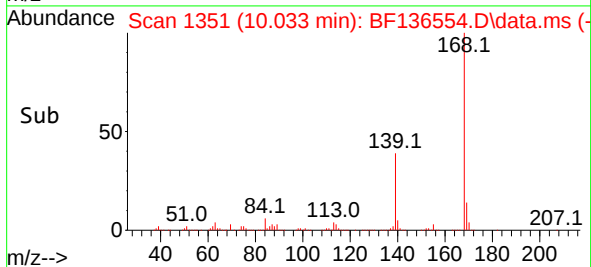
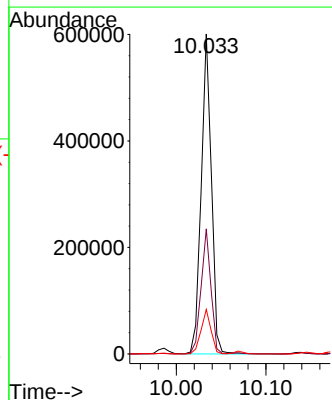
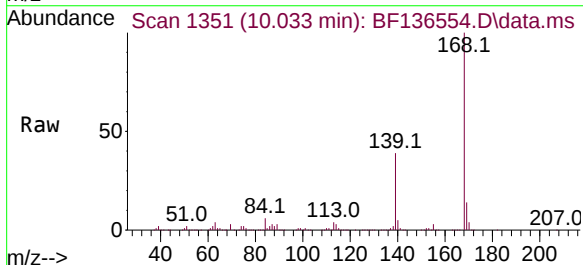
Instrument :
BNA_F
ClientSampleId :
VNJ-216DL

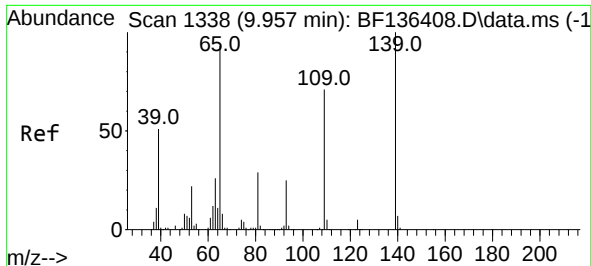
Tgt Ion:138 Resp: 8068
Ion Ratio Lower Upper
138 100
108 1.5 8.5 12.7#
92 5.8 86.1 129.1#



#55
Dibenzofuran
Concen: 28.920 ng
RT: 10.033 min Scan# 1351
Delta R.T. -0.012 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

Tgt Ion:168 Resp: 472474
Ion Ratio Lower Upper
168 100
139 39.1 30.4 45.6
169 13.9 9.9 14.9

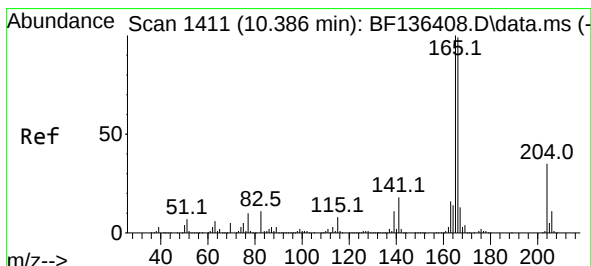
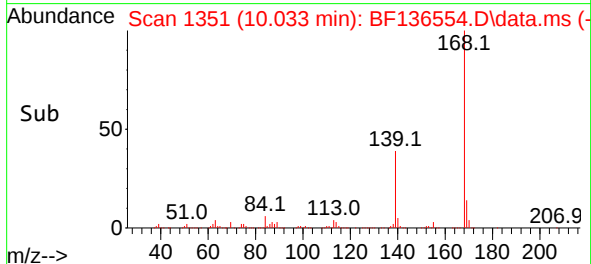
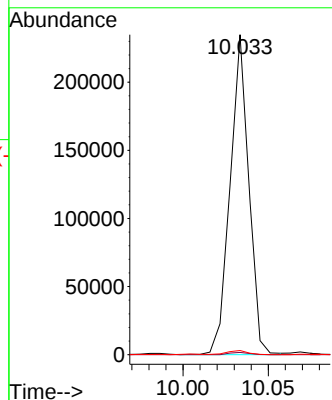
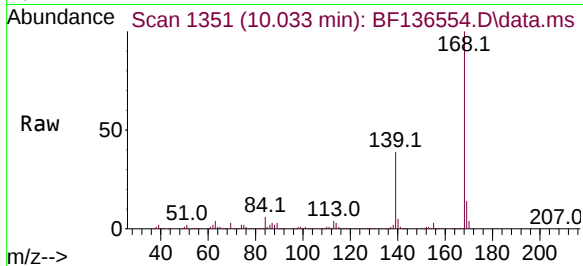




#56
4-Nitrophenol
Concen: 76.403 ng
RT: 10.033 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

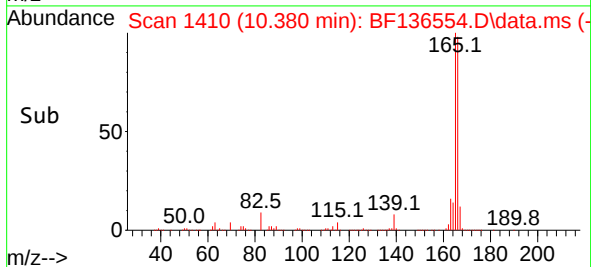
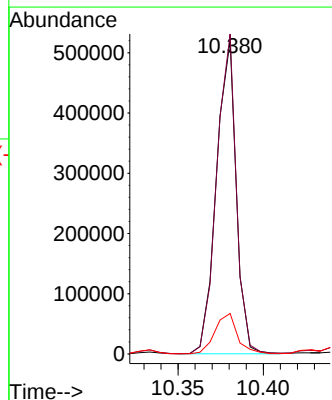
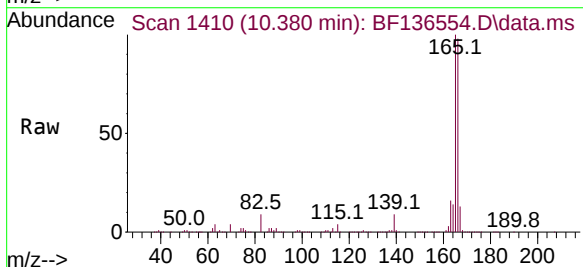
Instrument :
BNA_F
ClientSampleId :
VNJ-216DL

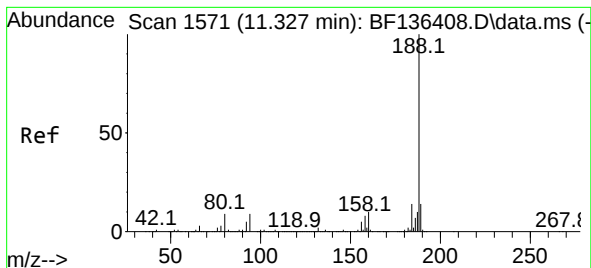
Tgt Ion:139 Resp: 179200
Ion Ratio Lower Upper
139 100
109 0.7 50.6 90.6#
65 1.3 73.1 113.1#



#58
Fluorene
Concen: 32.068 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

Tgt Ion:166 Resp: 420547
Ion Ratio Lower Upper
166 100
165 102.1 80.5 120.7
167 12.9 10.5 15.7

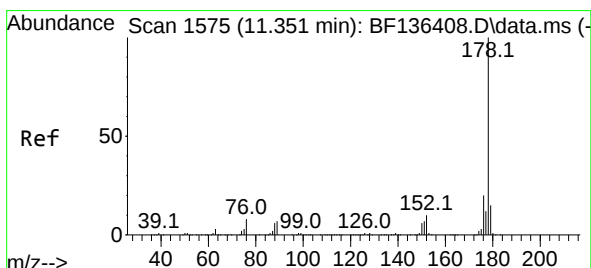
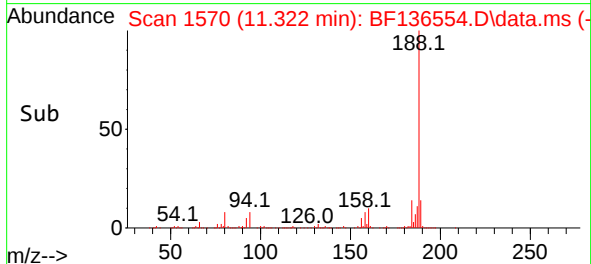
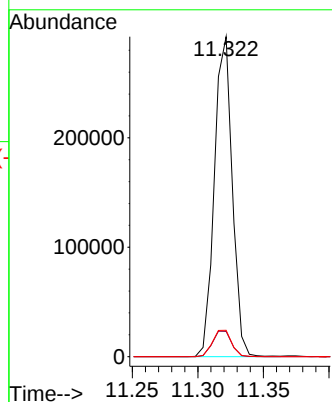
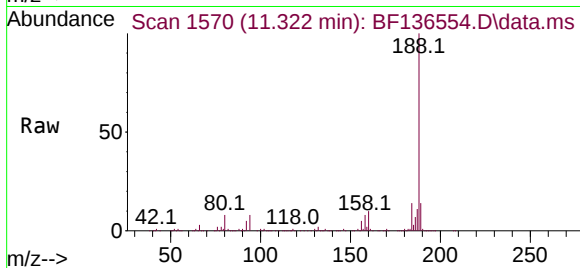




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

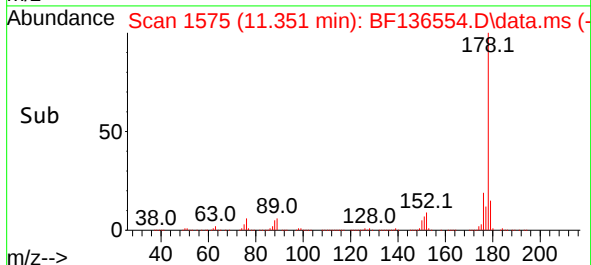
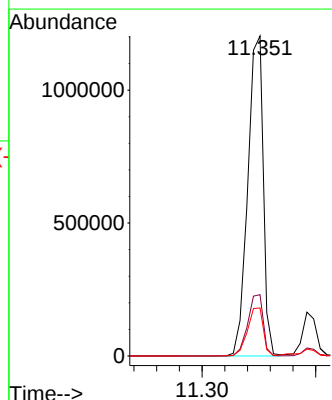
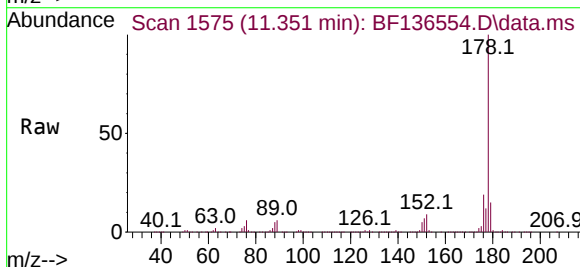
Instrument :
BNA_F
ClientSampleId :
VNJ-216DL

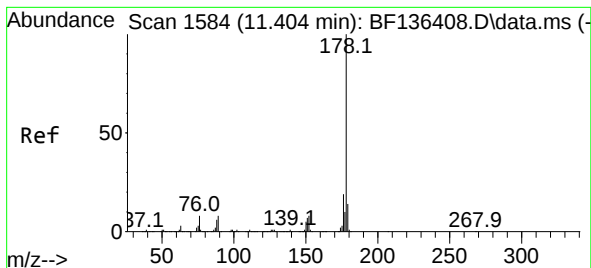
Tgt Ion:188 Resp: 277492
Ion Ratio Lower Upper
188 100
94 7.9 7.2 10.8
80 8.2 7.2 10.8



#71
Phenanthrene
Concen: 74.804 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

Tgt Ion:178 Resp: 1140930
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.0 11.8 17.6





#72

Anthracene

Concen: 8.832 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136554.D

Acq: 13 Dec 2023 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-216DL

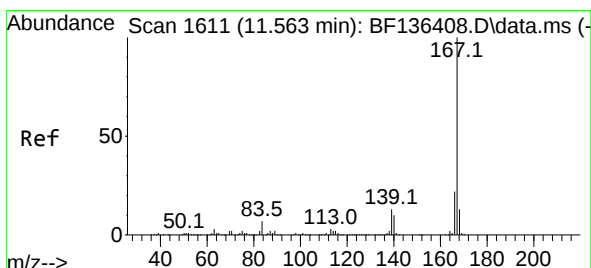
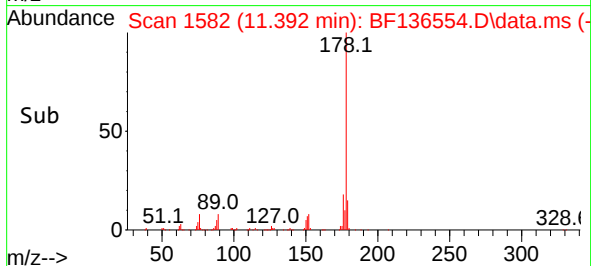
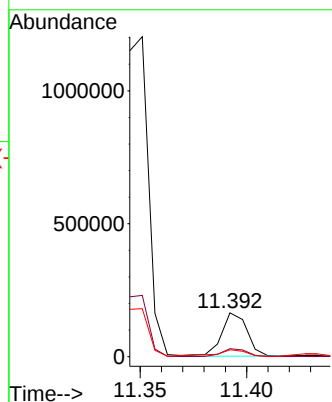
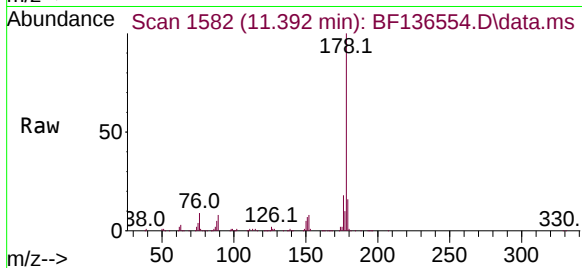
Tgt Ion:178 Resp: 135682

Ion Ratio Lower Upper

178 100

176 18.1 15.3 22.9

179 15.7 11.4 17.0



#73

Carbazole

Concen: 2.998 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.012 min

Lab File: BF136554.D

Acq: 13 Dec 2023 23:57

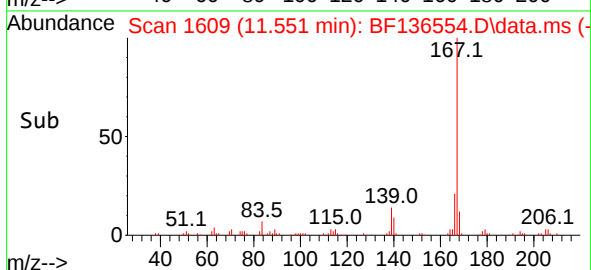
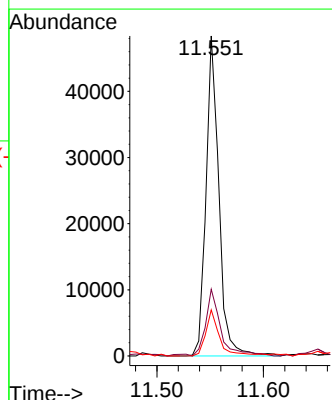
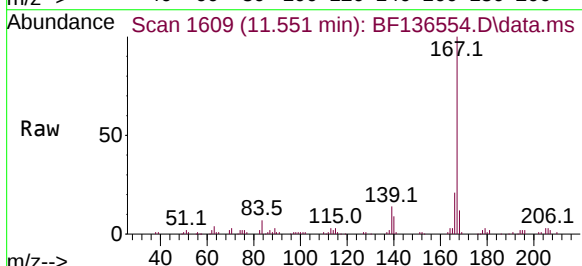
Tgt Ion:167 Resp: 40769

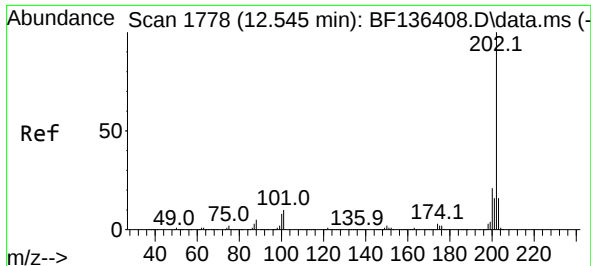
Ion Ratio Lower Upper

167 100

166 20.9 18.0 27.0

139 14.4 10.2 15.4

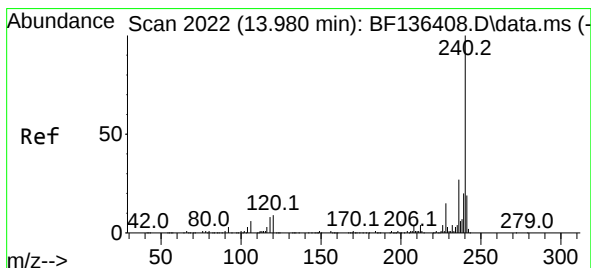
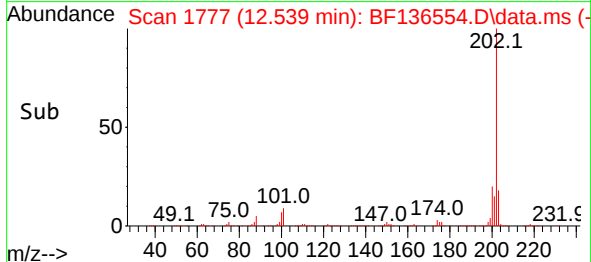
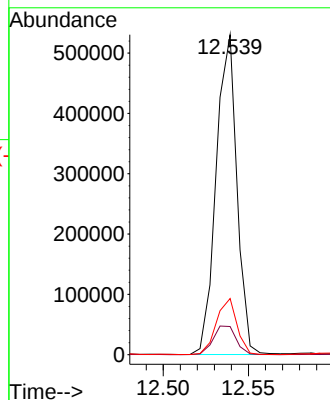
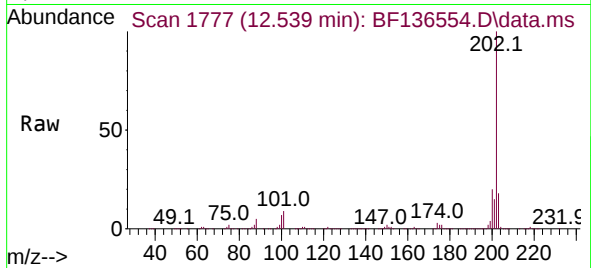




#75
Fluoranthene
Concen: 28.178 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

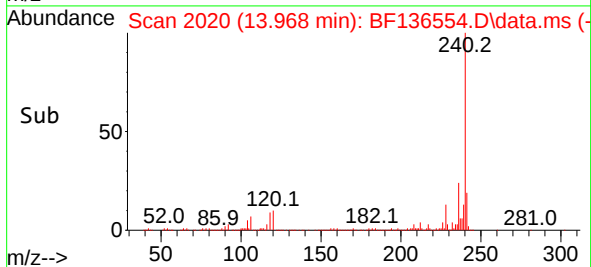
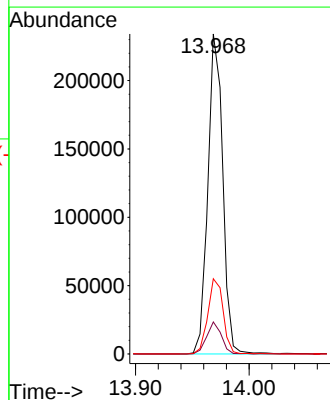
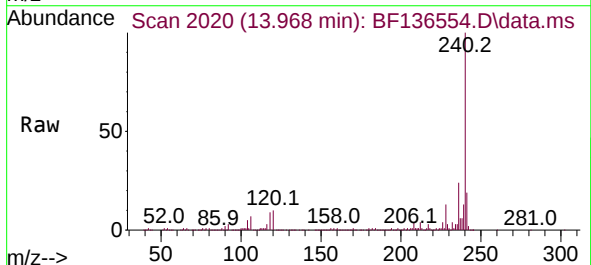
Instrument :
BNA_F
ClientSampleId :
VNJ-216DL

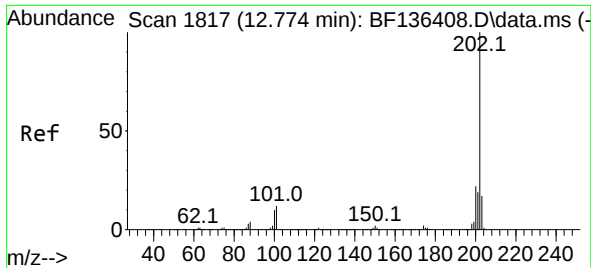
Tgt Ion:202 Resp: 450384
Ion Ratio Lower Upper
202 100
101 8.8 0.0 29.9
203 17.6 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

Tgt Ion:240 Resp: 212598
Ion Ratio Lower Upper
240 100
120 10.0 7.3 10.9
236 23.5 21.3 31.9

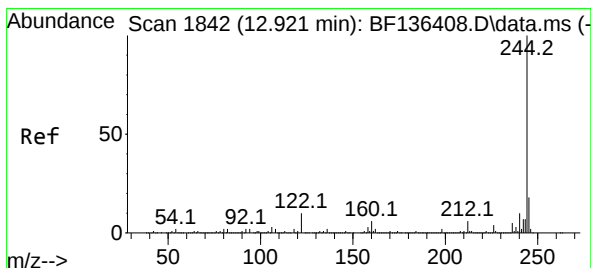
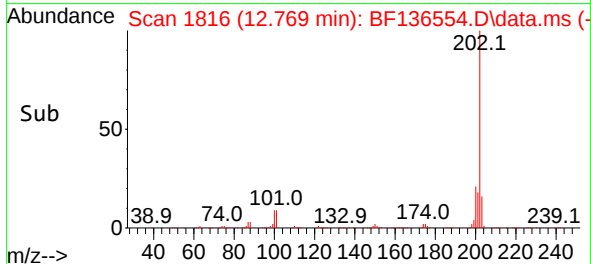
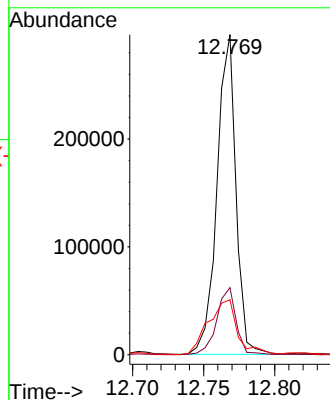
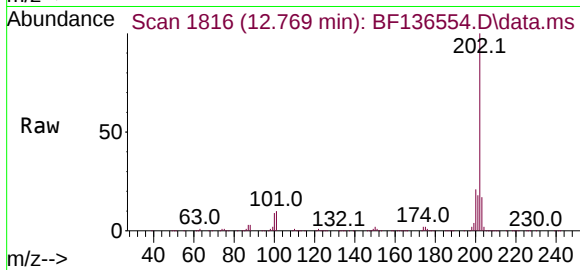




#78
Pyrene
Concen: 13.209 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

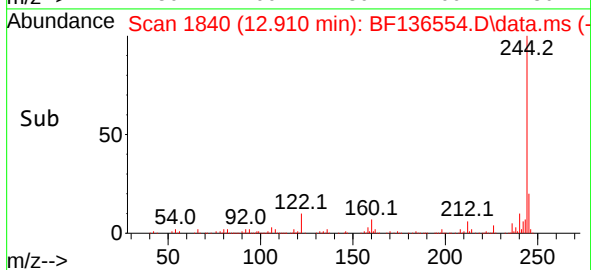
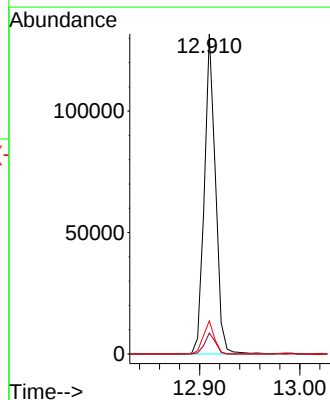
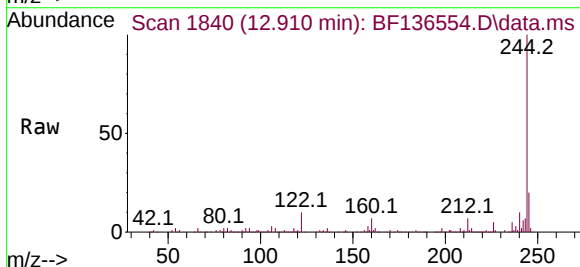
Instrument :
BNA_F
ClientSampleId :
VNJ-216DL

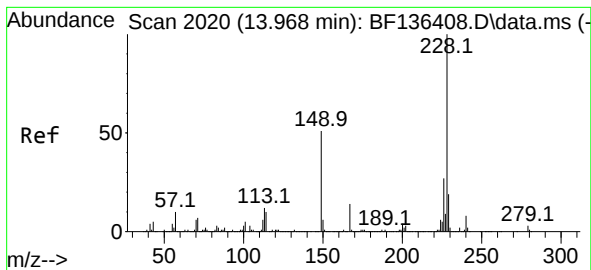
Tgt Ion:202 Resp: 275032
Ion Ratio Lower Upper
202 100
200 21.0 18.0 27.0
203 17.1 13.5 20.3



#79
Terphenyl-d14
Concen: 6.327 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF136554.D
Acq: 13 Dec 2023 23:57

Tgt Ion:244 Resp: 102059
Ion Ratio Lower Upper
244 100
212 6.5 5.0 7.4
122 10.4 8.3 12.5





#81

Benzo(a)anthracene

Concen: 5.181 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136554.D

Acq: 13 Dec 2023 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-216DL

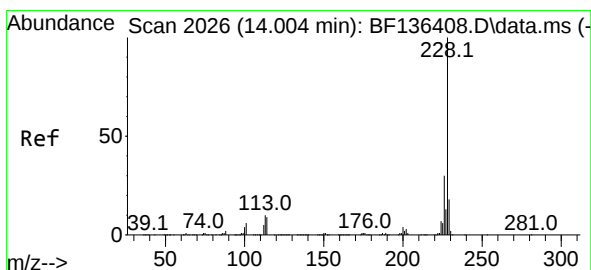
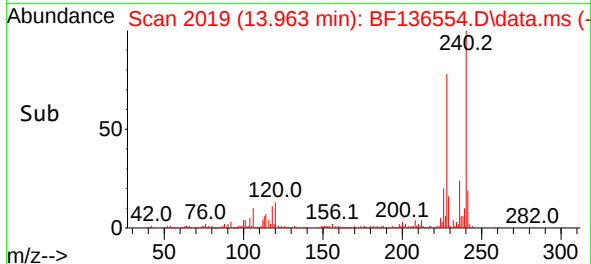
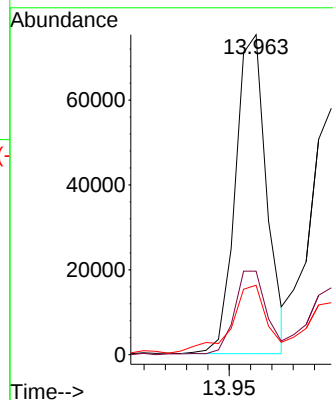
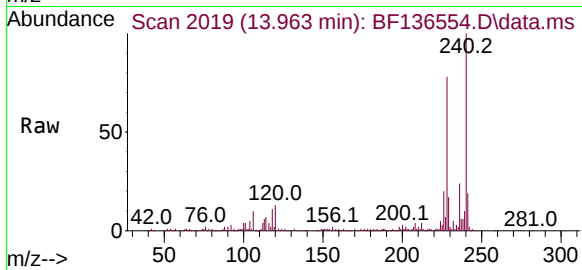
Tgt Ion:228 Resp: 76725

Ion Ratio Lower Upper

228 100

226 26.1 21.8 32.8

229 21.7 15.0 22.4



#83

Chrysene

Concen: 4.068 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF136554.D

Acq: 13 Dec 2023 23:57

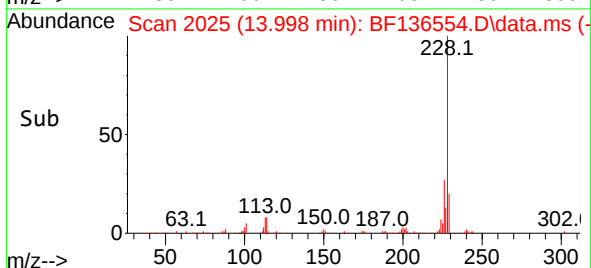
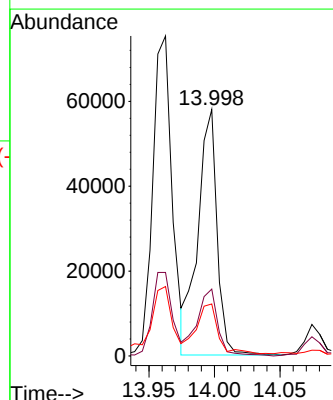
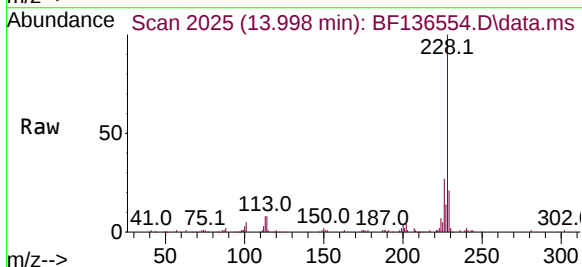
Tgt Ion:228 Resp: 59268

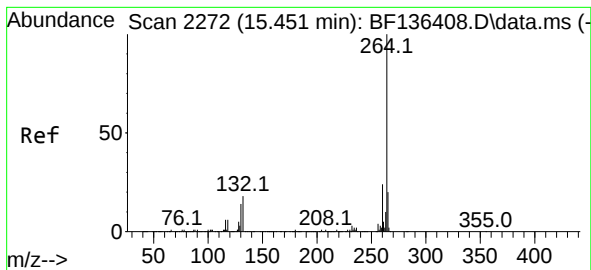
Ion Ratio Lower Upper

228 100

226 27.1 23.8 35.6

229 21.1 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136554.D

Acq: 13 Dec 2023 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-216DL

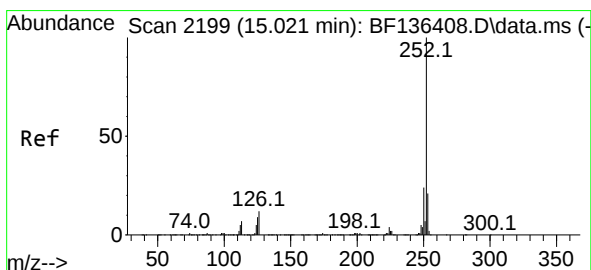
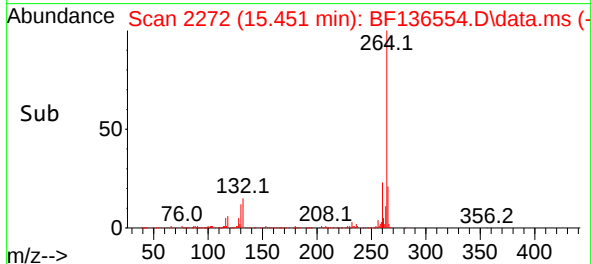
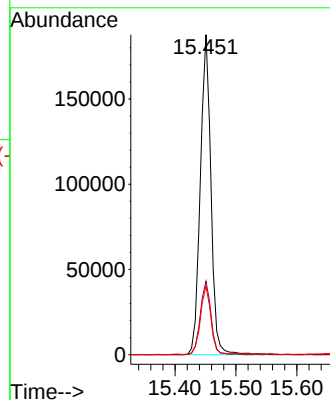
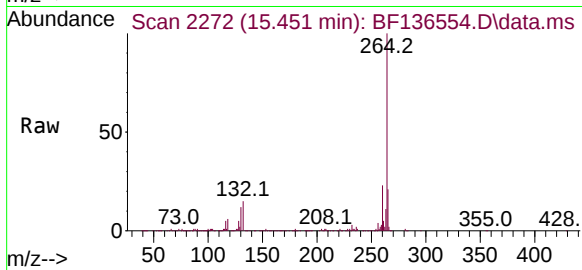
Tgt Ion:264 Resp: 227327

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 21.4 15.9 23.9



#88

Benzo(b)fluoranthene

Concen: 2.108 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136554.D

Acq: 13 Dec 2023 23:57

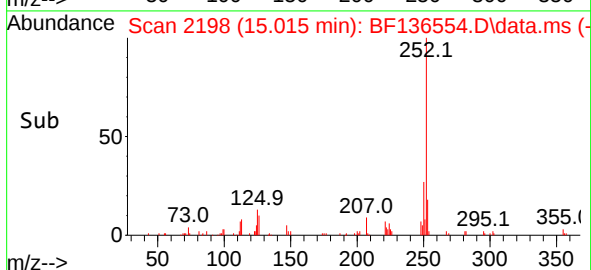
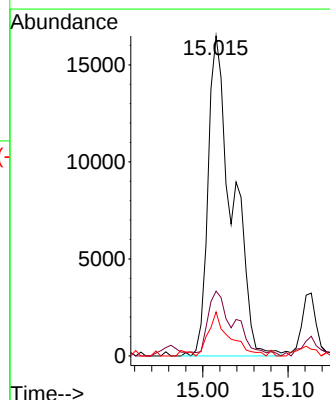
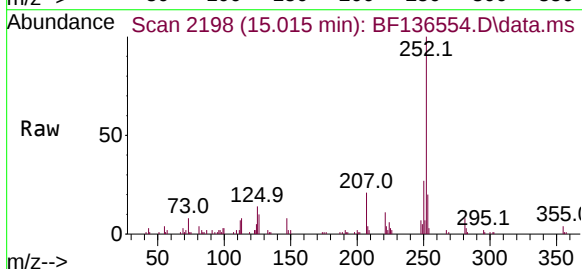
Tgt Ion:252 Resp: 32763

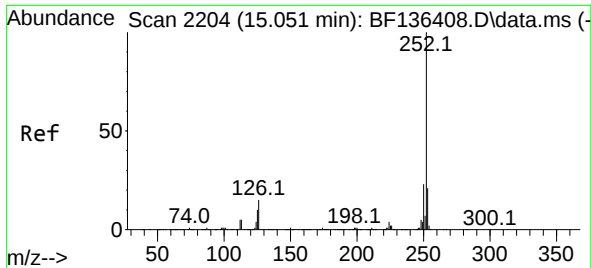
Ion Ratio Lower Upper

252 100

253 20.3 16.9 25.3

125 13.7 7.4 11.2#





#89
 Benzo(k)fluoranthene
 Concen: 2.237 ng
 RT: 15.015 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF136554.D
 Acq: 13 Dec 2023 23:57

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216DL

Tgt Ion:252 Resp: 32763
 Ion Ratio Lower Upper
 252 100
 253 20.3 16.9 25.3
 125 13.7 7.5 11.3#

