

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
 Data File : BF136523.D
 Acq On : 12 Dec 2023 18:56
 Operator : CG\JU
 Sample : 05629-01DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216DL

Quant Time: Dec 12 23:19:31 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)

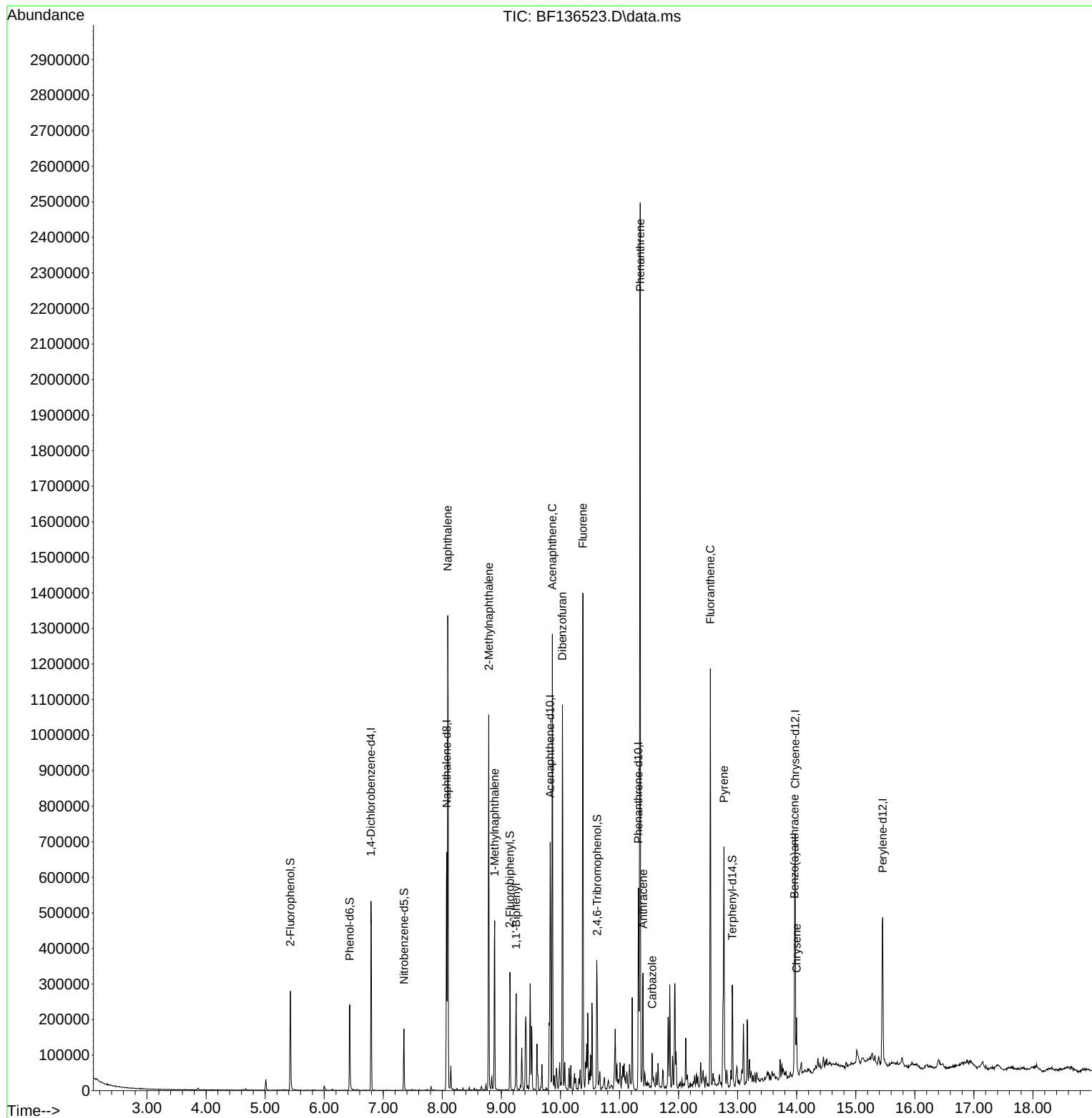
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	80563	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	299111	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	133751	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	216411	20.000	ng	0.00
76) Chrysene-d12	13.974	240	200360	20.000	ng	0.00
86) Perylene-d12	15.457	264	203482	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	74296	13.619	ng	0.00
7) Phenol-d6	6.434	99	88869	13.057	ng	-0.01
23) Nitrobenzene-d5	7.351	82	48788	8.818	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	16547	10.034	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	96987	9.894	ng	-0.02
79) Terphenyl-d14	12.910	244	94716	6.231	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	8.092	128	575264	34.876	ng	98
37) 2-Methylnaphthalene	8.786	142	250997	23.919	ng	93
38) 1-Methylnaphthalene	8.886	142	123019	11.947	ng	97
46) 1,1'-Biphenyl	9.251	154	82072	7.211	ng	99
52) Acenaphthene	9.863	154	239789	29.655	ng	97
55) Dibenzofuran	10.033	168	379619	32.137	ng	99
58) Fluorene	10.380	166	345742	36.462	ng	99
71) Phenanthrene	11.351	178	966528	81.256	ng	99
72) Anthracene	11.398	178	121885	10.173	ng	99
73) Carbazole	11.551	167	37212	3.509	ng	99
75) Fluoranthene	12.539	202	423423	33.968	ng	98
78) Pyrene	12.768	202	268791	13.698	ng	97
81) Benzo(a)anthracene	13.963	228	85681	6.139	ng	96
83) Chrysene	13.998	228	58417	4.254	ng	97

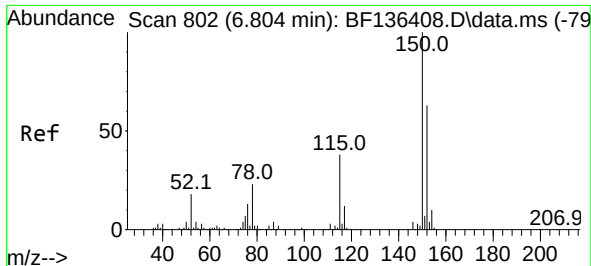
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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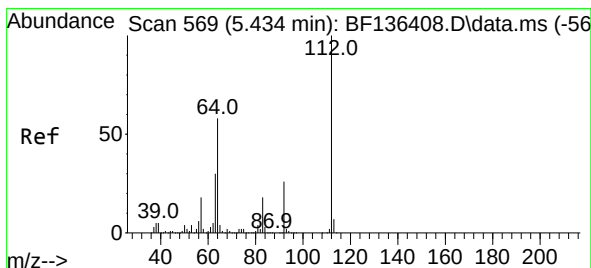
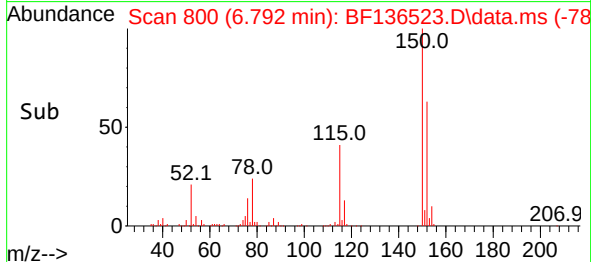
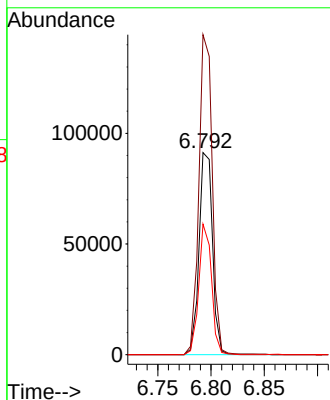
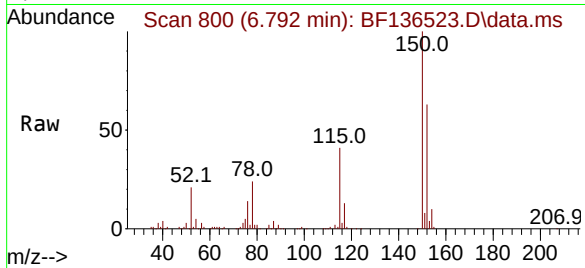




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 802
 Delta R.T. -0.012 min
 Lab File: BF136523.D
 Acq: 12 Dec 2023 18:56

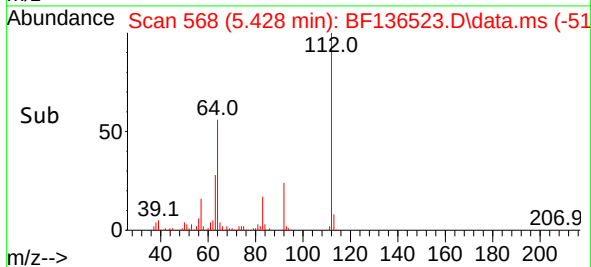
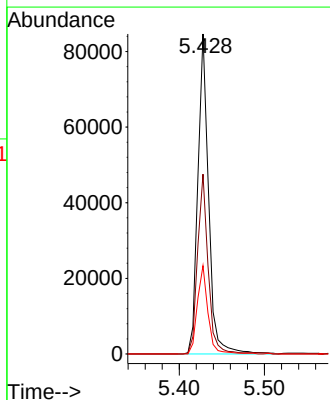
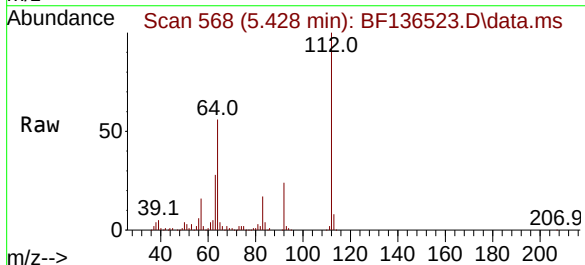
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216DL

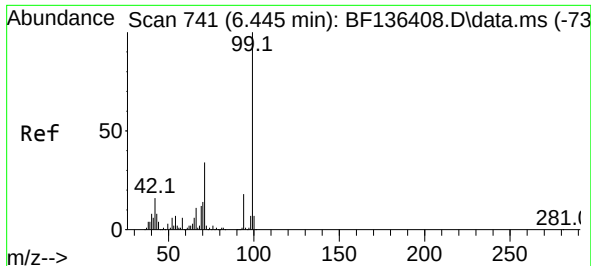
Tgt Ion:152 Resp: 80563
 Ion Ratio Lower Upper
 152 100
 150 158.4 126.4 189.6
 115 64.7 48.2 72.4



#5
 2-Fluorophenol
 Concen: 13.619 ng
 RT: 5.428 min Scan# 568
 Delta R.T. -0.006 min
 Lab File: BF136523.D
 Acq: 12 Dec 2023 18:56

Tgt Ion:112 Resp: 74296
 Ion Ratio Lower Upper
 112 100
 64 56.2 46.5 69.7
 63 27.6 23.9 35.9

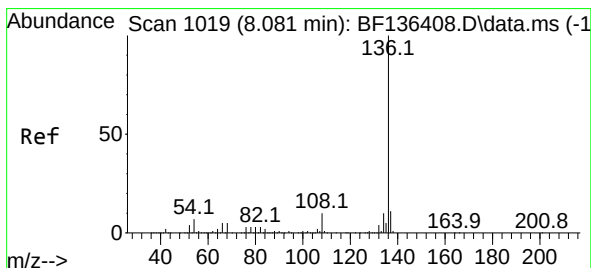
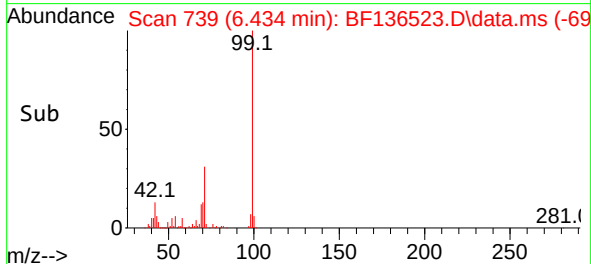
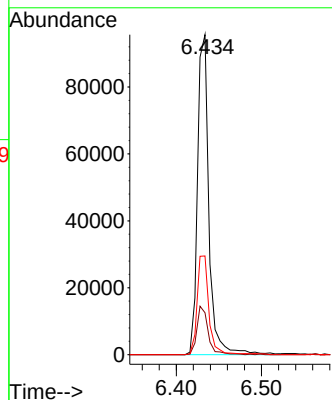
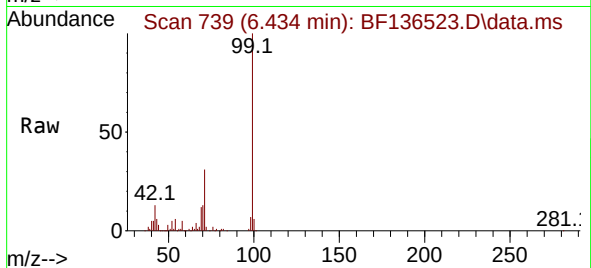




#7
Phenol-d6
Concen: 13.057 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136523.D
Acq: 12 Dec 2023 18:56

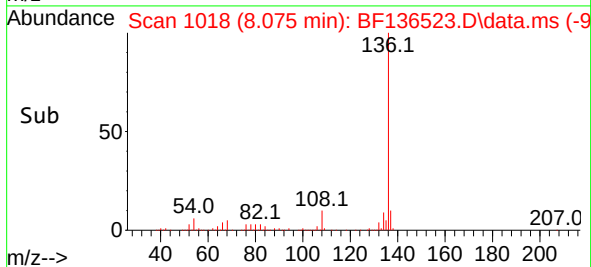
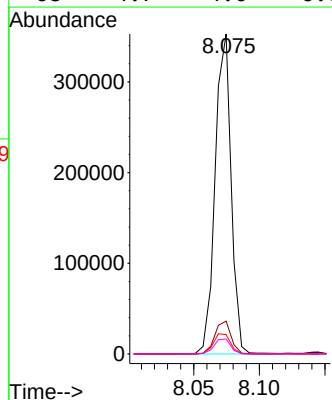
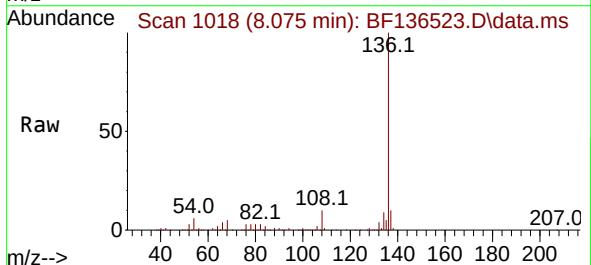
Instrument :
BNA_F
ClientSampleId :
VNJ-216DL

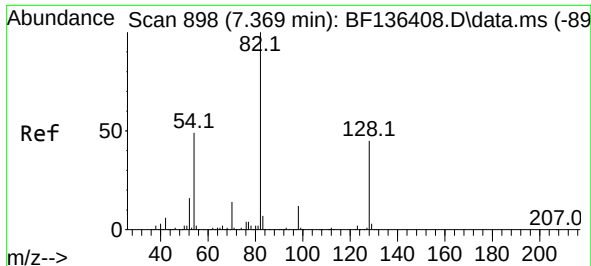
Tgt Ion: 99 Resp: 88869
Ion Ratio Lower Upper
99 100
42 13.1 12.8 19.2
71 30.9 27.0 40.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF136523.D
Acq: 12 Dec 2023 18:56

Tgt Ion: 136 Resp: 299111
Ion Ratio Lower Upper
136 100
137 10.3 8.6 12.8
54 6.0 5.7 8.5
68 4.7 4.0 6.0





#23

Nitrobenzene-d5

Concen: 8.818 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136523.D

Acq: 12 Dec 2023 18:56

Instrument :

BNA_F

ClientSampleId :

VNJ-216DL

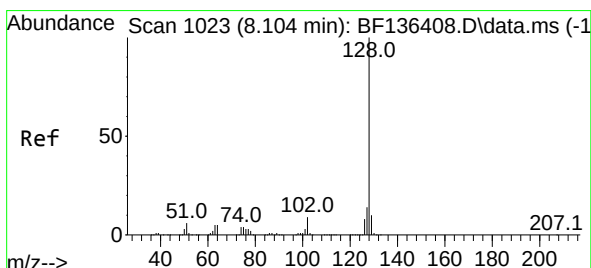
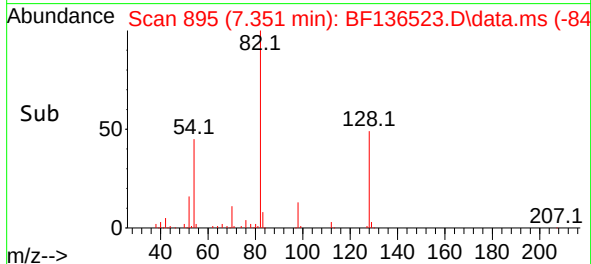
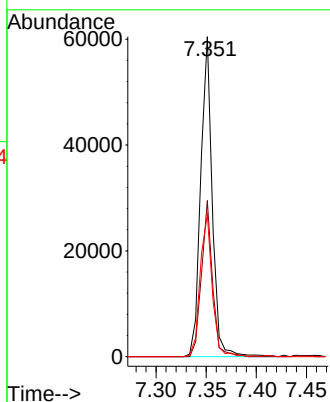
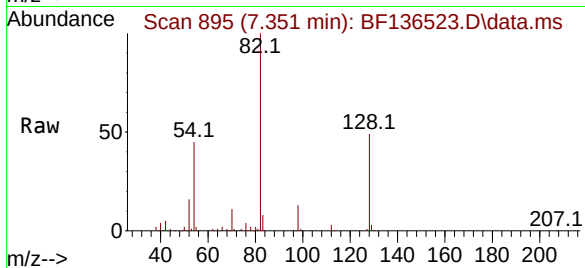
Tgt Ion: 82 Resp: 48788

Ion Ratio Lower Upper

82 100

128 48.8 36.3 54.5

54 44.5 39.0 58.6



#31

Naphthalene

Concen: 34.876 ng

RT: 8.092 min Scan# 1021

Delta R.T. -0.012 min

Lab File: BF136523.D

Acq: 12 Dec 2023 18:56

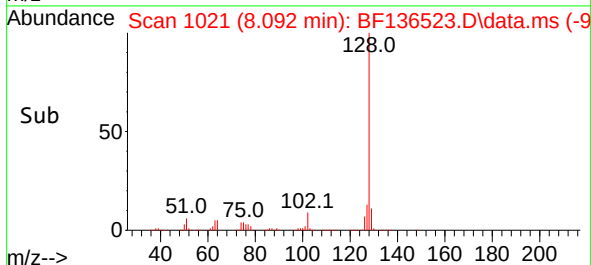
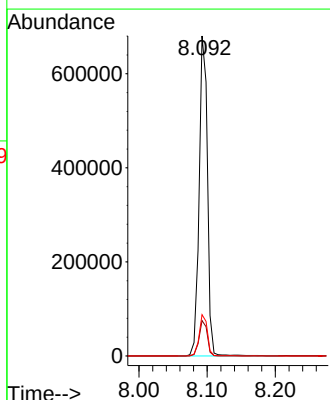
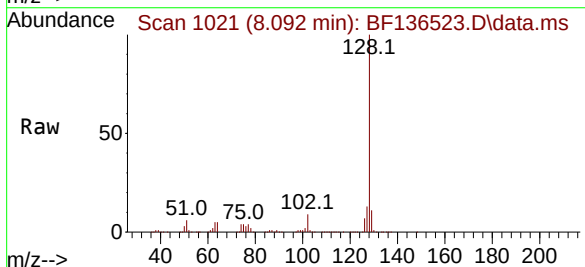
Tgt Ion: 128 Resp: 575264

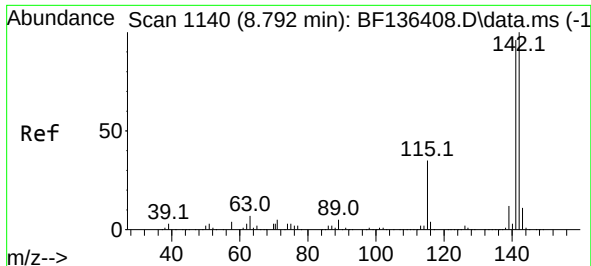
Ion Ratio Lower Upper

128 100

129 11.1 8.3 12.5

127 12.9 11.1 16.7





#37

2-Methylnaphthalene

Concen: 23.919 ng

RT: 8.786 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF136523.D

Acq: 12 Dec 2023 18:56

Instrument :

BNA_F

ClientSampleId :

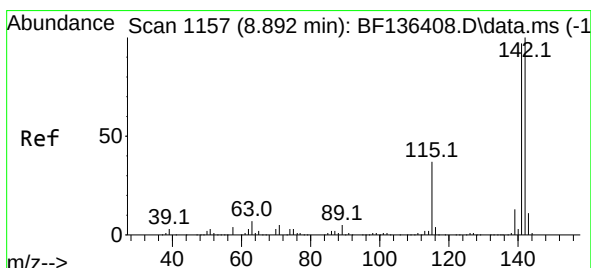
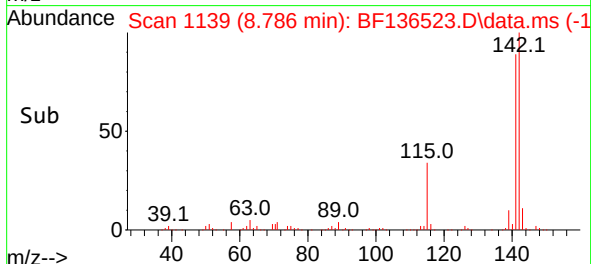
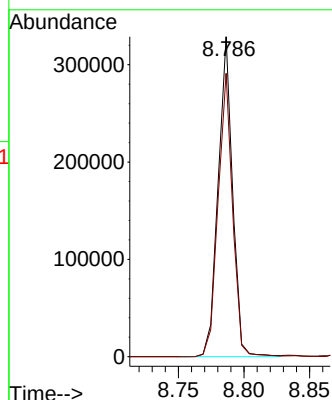
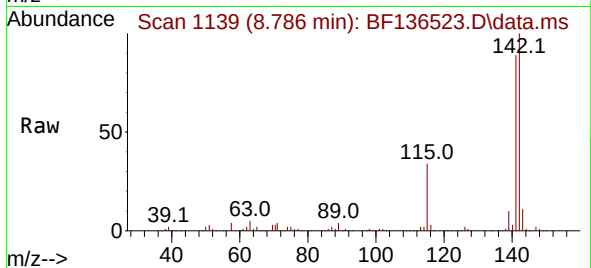
VNJ-216DL

Tgt Ion:142 Resp: 250997

Ion Ratio Lower Upper

142 100

141 88.6 76.4 114.6



#38

1-Methylnaphthalene

Concen: 11.947 ng

RT: 8.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF136523.D

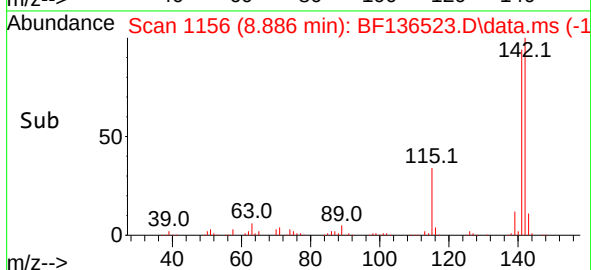
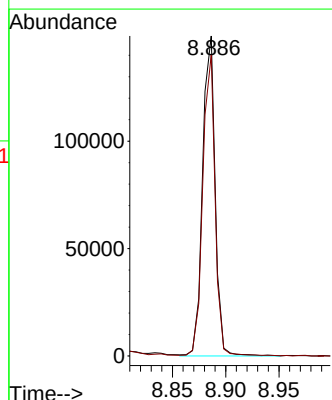
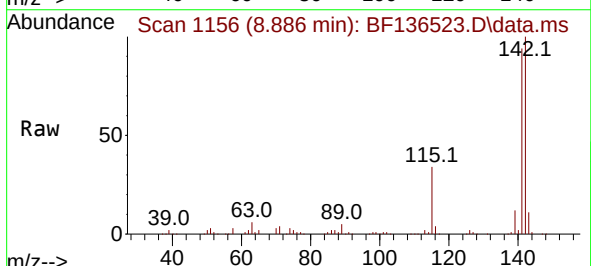
Acq: 12 Dec 2023 18:56

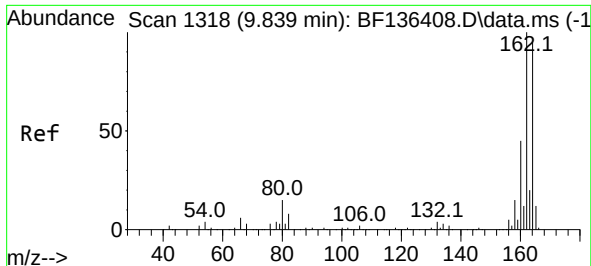
Tgt Ion:142 Resp: 123019

Ion Ratio Lower Upper

142 100

141 94.0 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: BF136523.D

Acq: 12 Dec 2023 18:56

Instrument :

BNA_F

ClientSampleId :

VNJ-216DL

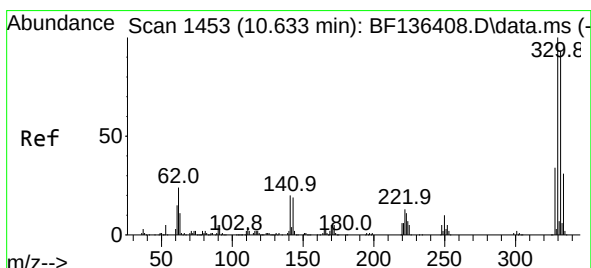
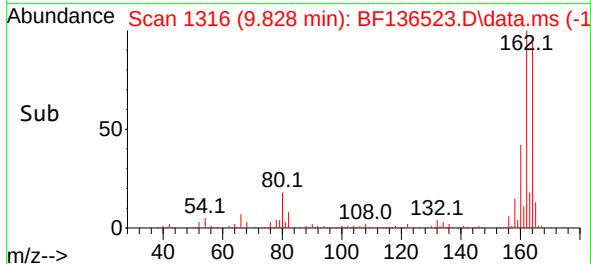
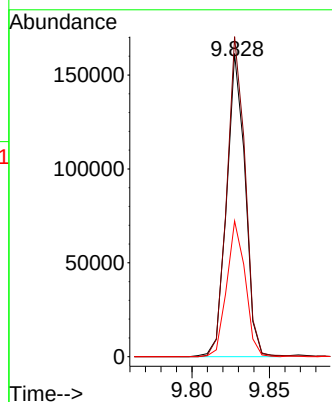
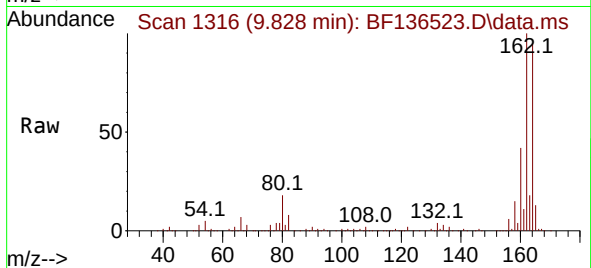
Tgt Ion:164 Resp: 133751

Ion Ratio Lower Upper

164 100

162 105.6 84.4 126.6

160 44.8 37.6 56.4



#42

2,4,6-Tribromophenol

Concen: 10.034 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136523.D

Acq: 12 Dec 2023 18:56

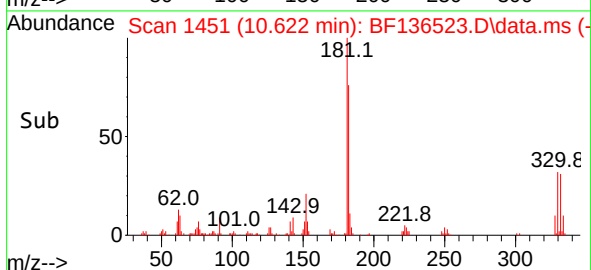
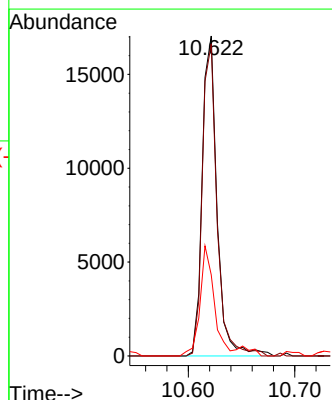
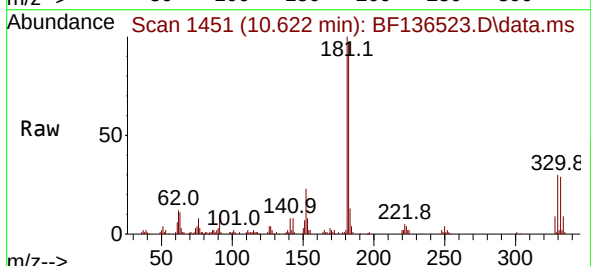
Tgt Ion:330 Resp: 16547

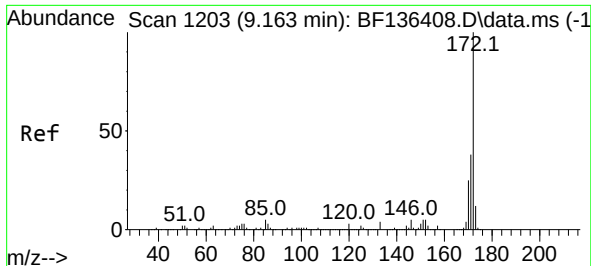
Ion Ratio Lower Upper

330 100

332 96.8 76.4 114.6

141 33.3 23.4 35.2

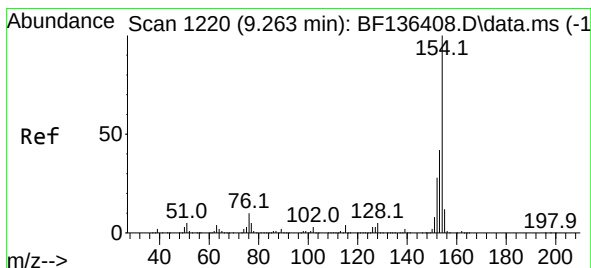
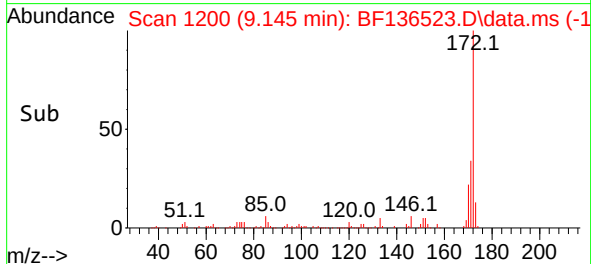
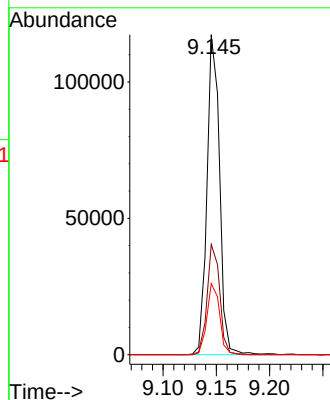
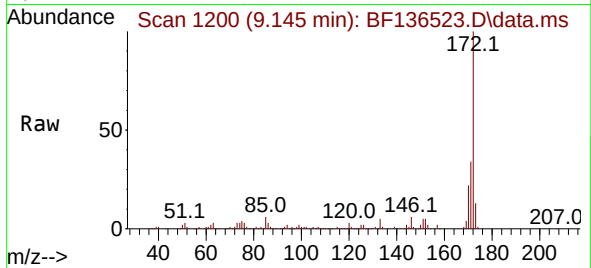




#45
2-Fluorobiphenyl
Concen: 9.894 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136523.D
Acq: 12 Dec 2023 18:56

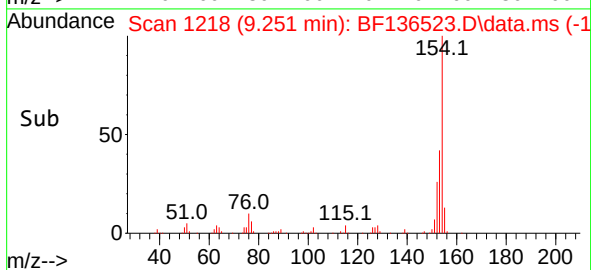
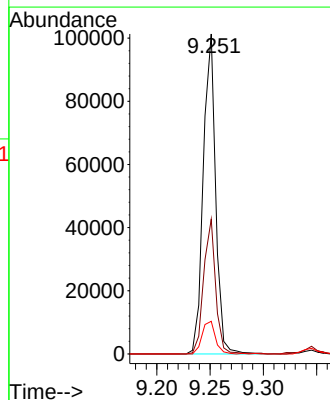
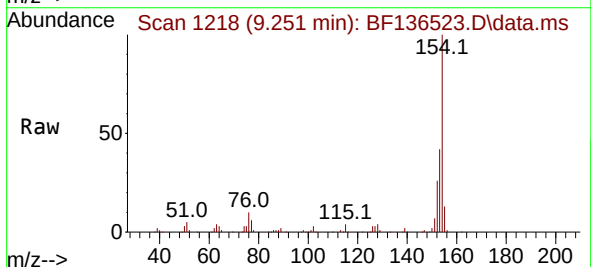
Instrument :
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VNJ-216DL

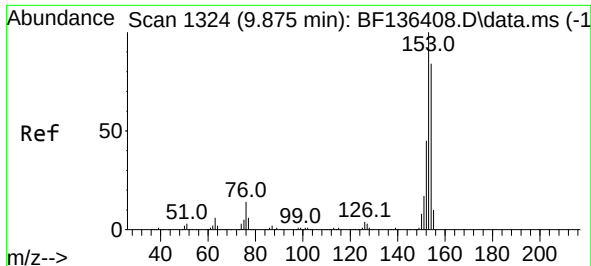
Tgt Ion:172 Resp: 96987
Ion Ratio Lower Upper
172 100
171 34.5 30.5 45.7
170 22.2 19.9 29.9



#46
1,1'-Biphenyl
Concen: 7.211 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF136523.D
Acq: 12 Dec 2023 18:56

Tgt Ion:154 Resp: 82072
Ion Ratio Lower Upper
154 100
153 42.1 22.5 62.5
76 10.2 0.0 29.9

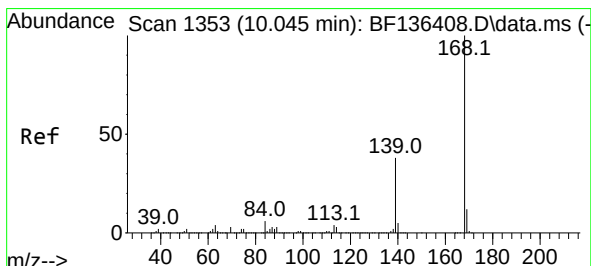
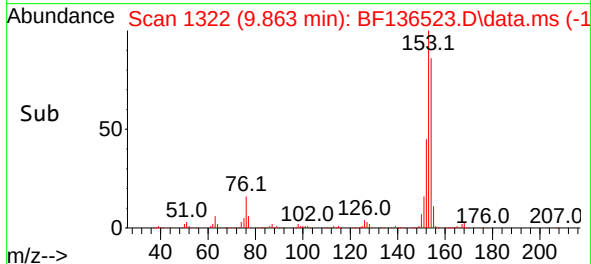
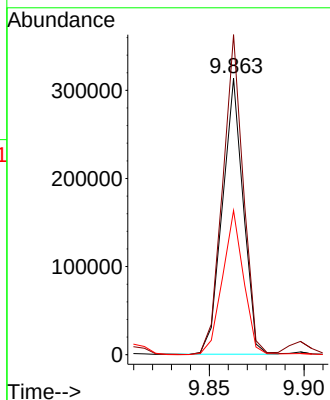
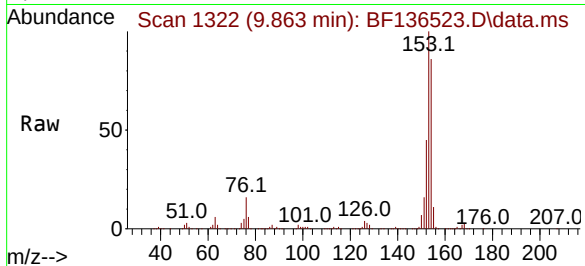




#52
Acenaphthene
Concen: 29.655 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136523.D
Acq: 12 Dec 2023 18:56

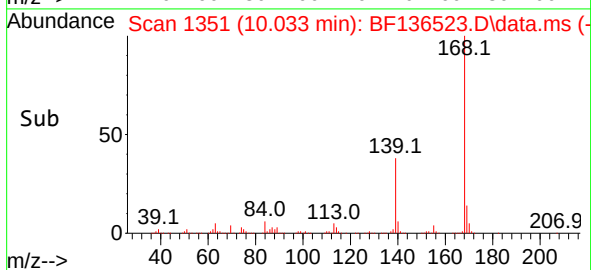
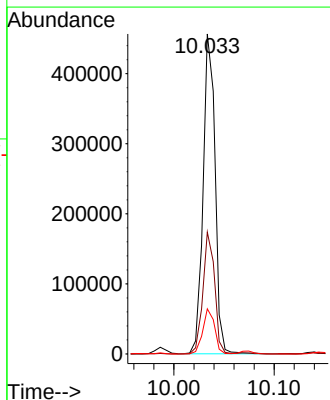
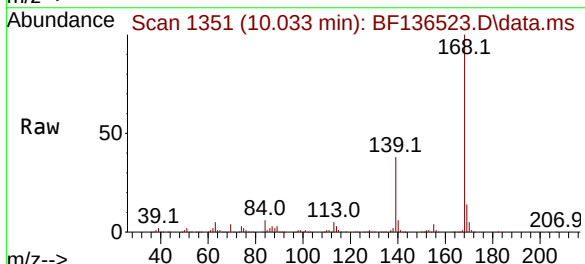
Instrument :
BNA_F
ClientSampleId :
VNJ-216DL

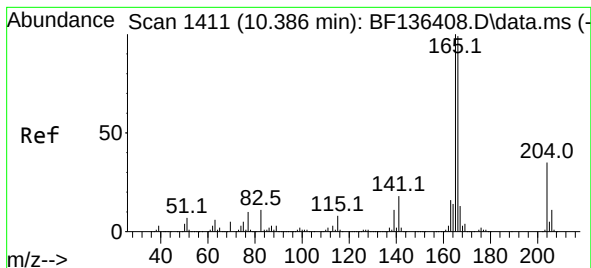
Tgt Ion:154 Resp: 239789
Ion Ratio Lower Upper
154 100
153 115.7 95.3 142.9
152 52.2 43.2 64.8



#55
Dibenzofuran
Concen: 32.137 ng
RT: 10.033 min Scan# 1351
Delta R.T. -0.012 min
Lab File: BF136523.D
Acq: 12 Dec 2023 18:56

Tgt Ion:168 Resp: 379619
Ion Ratio Lower Upper
168 100
139 38.1 30.4 45.6
169 14.1 9.9 14.9





#58

Fluorene

Concen: 36.462 ng

RT: 10.380 min Scan# 1411

Delta R.T. -0.006 min

Lab File: BF136523.D

Acq: 12 Dec 2023 18:56

Instrument :

BNA_F

ClientSampleId :

VNJ-216DL

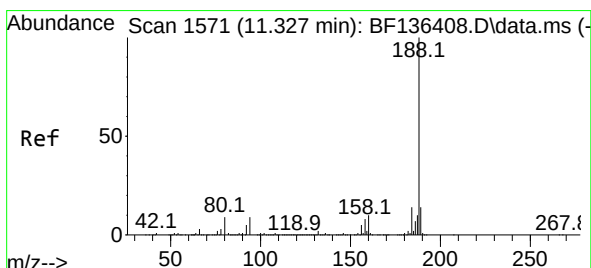
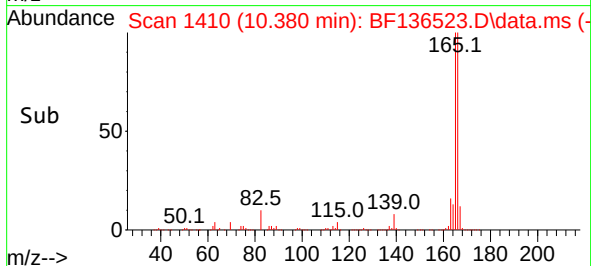
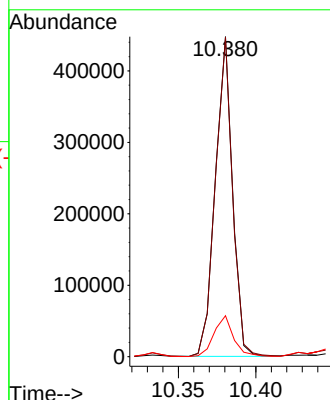
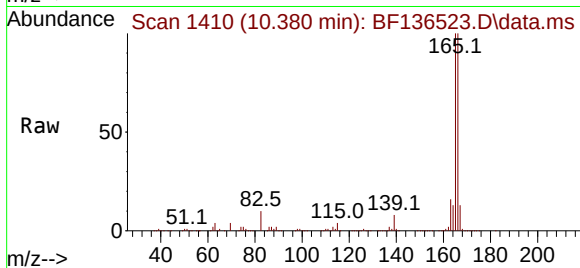
Tgt Ion:166 Resp: 345742

Ion Ratio Lower Upper

166 100

165 99.8 80.5 120.7

167 12.8 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1570

Delta R.T. -0.006 min

Lab File: BF136523.D

Acq: 12 Dec 2023 18:56

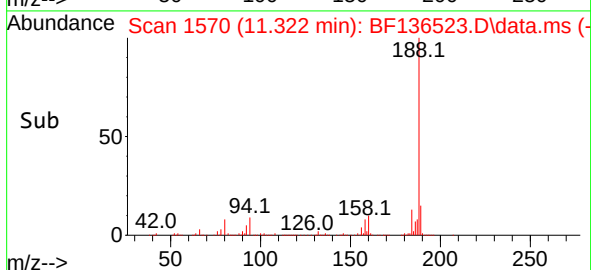
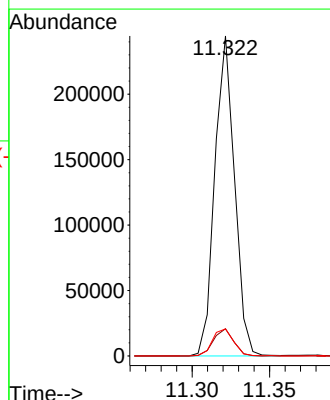
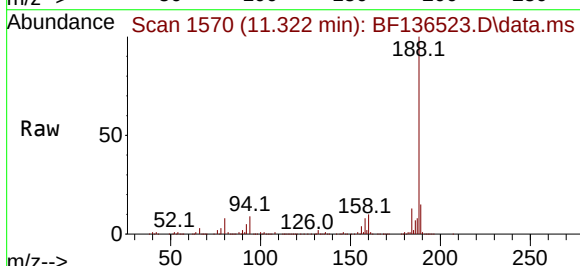
Tgt Ion:188 Resp: 216411

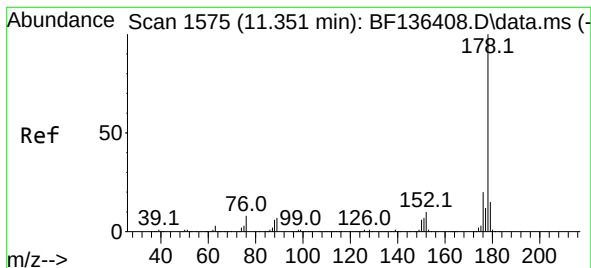
Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

80 8.5 7.2 10.8





#71

Phenanthrene

Concen: 81.256 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.000 min

Lab File: BF136523.D

Acq: 12 Dec 2023 18:56

Instrument :

BNA_F

ClientSampleId :

VNJ-216DL

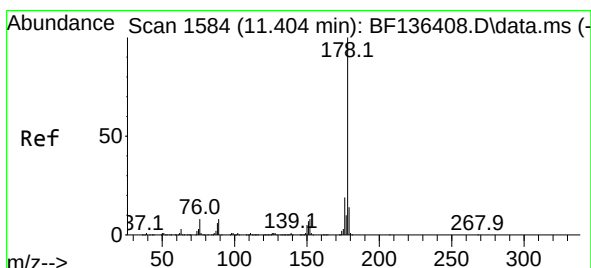
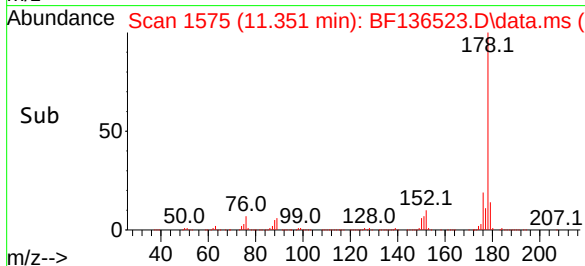
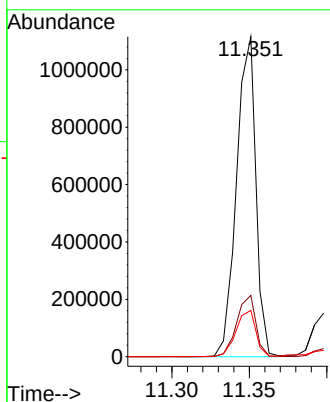
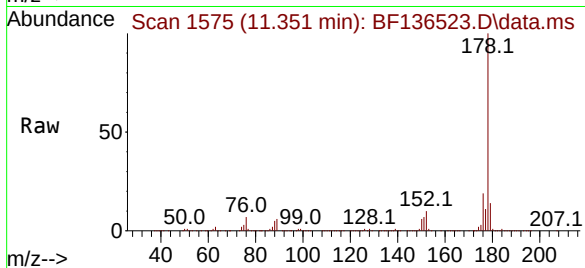
Tgt Ion:178 Resp: 966528

Ion Ratio Lower Upper

178 100

176 19.2 15.9 23.9

179 14.5 11.8 17.6



#72

Anthracene

Concen: 10.173 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF136523.D

Acq: 12 Dec 2023 18:56

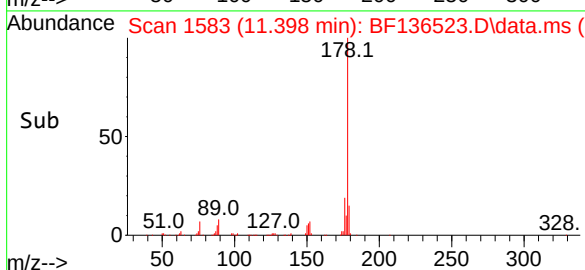
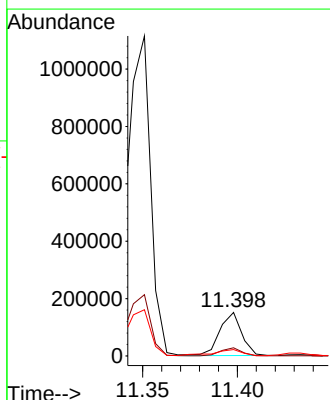
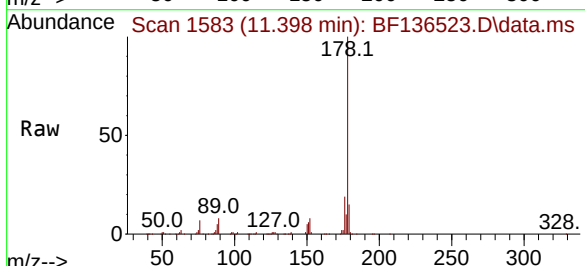
Tgt Ion:178 Resp: 121885

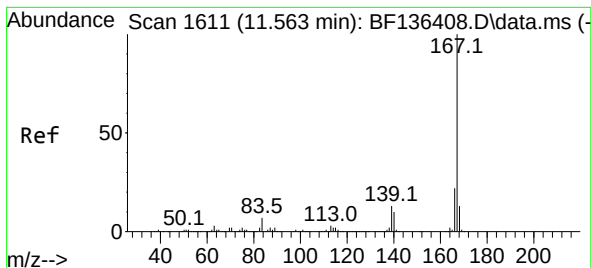
Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

179 14.7 11.4 17.0





#73

Carbazole

Concen: 3.509 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.012 min

Lab File: BF136523.D

Acq: 12 Dec 2023 18:56

Instrument :

BNA_F

ClientSampleId :

VNJ-216DL

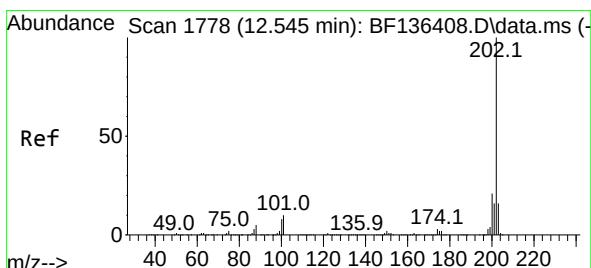
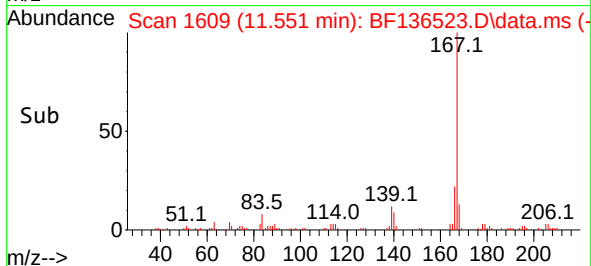
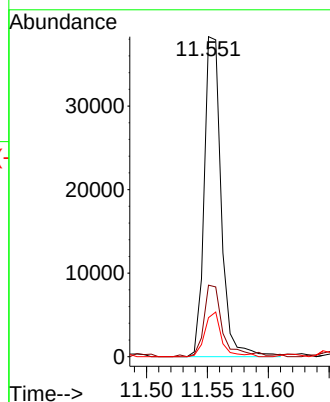
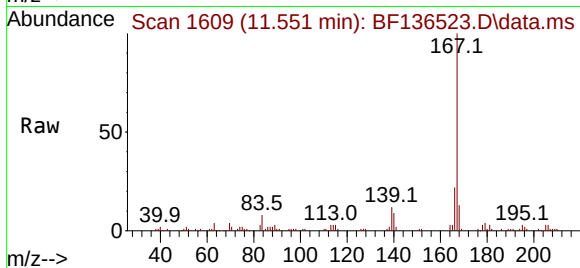
Tgt Ion:167 Resp: 37212

Ion Ratio Lower Upper

167 100

166 22.4 18.0 27.0

139 12.2 10.2 15.4



#75

Fluoranthene

Concen: 33.968 ng

RT: 12.539 min Scan# 1777

Delta R.T. -0.006 min

Lab File: BF136523.D

Acq: 12 Dec 2023 18:56

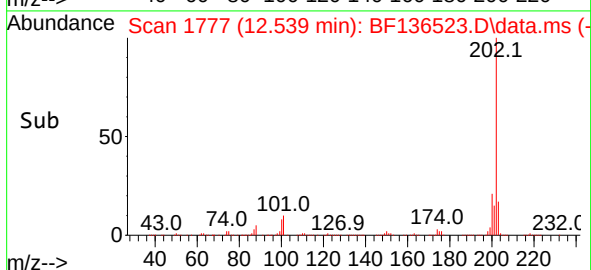
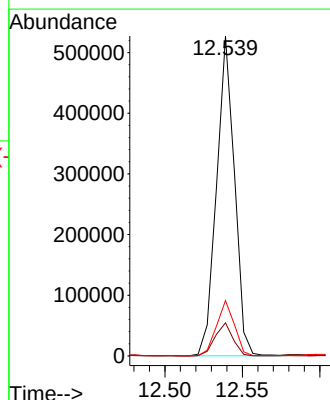
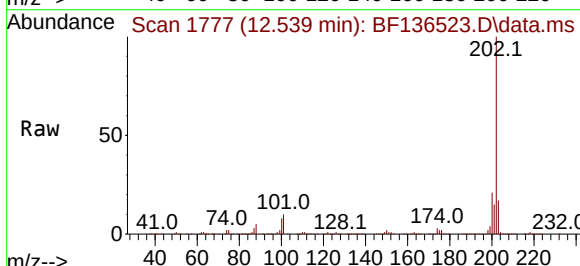
Tgt Ion:202 Resp: 423423

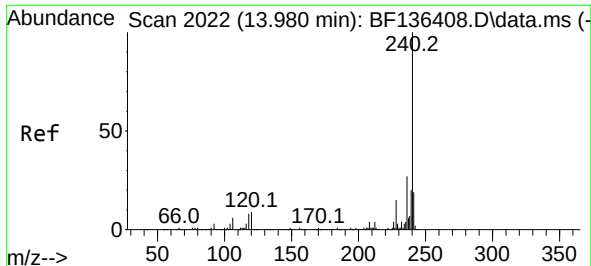
Ion Ratio Lower Upper

202 100

101 10.4 0.0 29.9

203 17.3 0.0 36.3

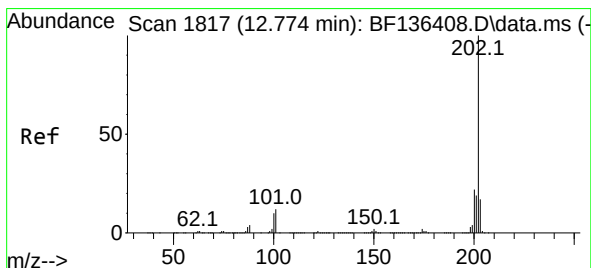
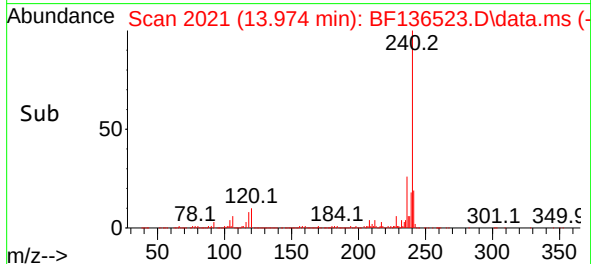
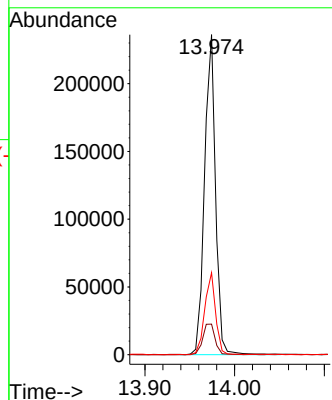
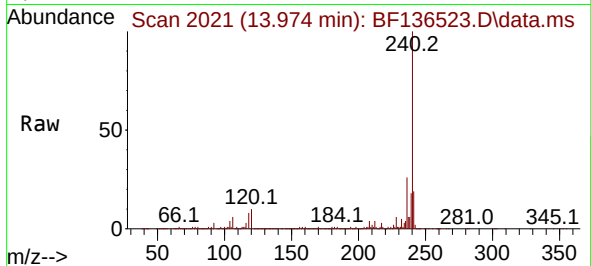




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136523.D
Acq: 12 Dec 2023 18:56

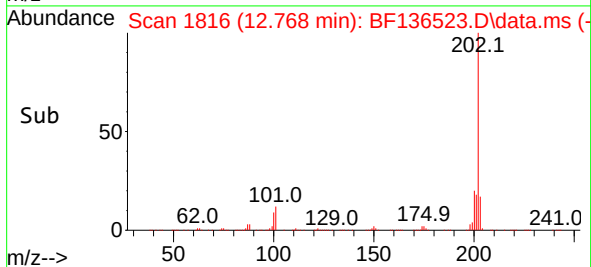
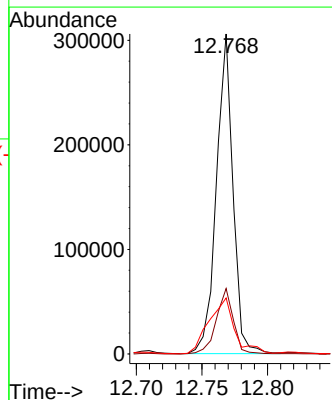
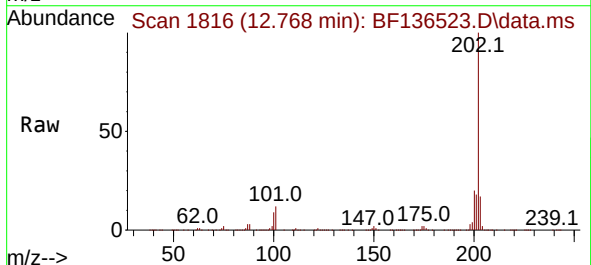
Instrument :
BNA_F
ClientSampleId :
VNJ-216DL

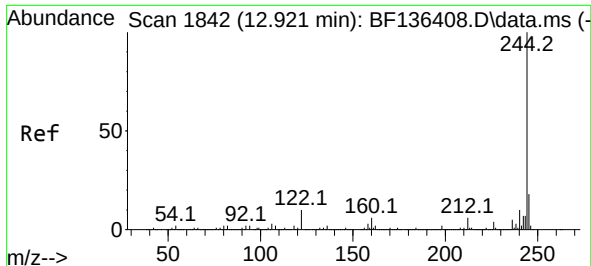
Tgt Ion:240 Resp: 200360
Ion Ratio Lower Upper
240 100
120 9.6 7.3 10.9
236 25.6 21.3 31.9



#78
Pyrene
Concen: 13.698 ng
RT: 12.768 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF136523.D
Acq: 12 Dec 2023 18:56

Tgt Ion:202 Resp: 268791
Ion Ratio Lower Upper
202 100
200 20.5 18.0 27.0
203 17.5 13.5 20.3

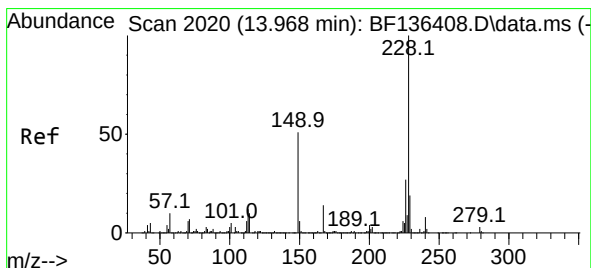
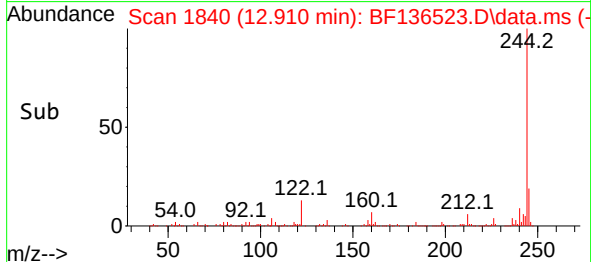
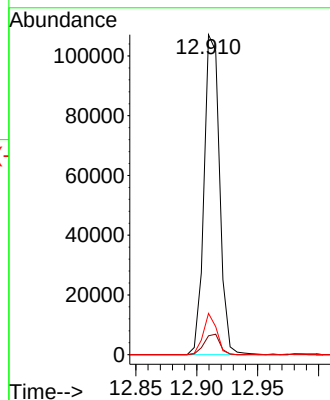
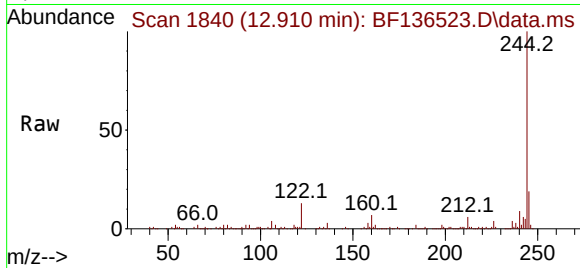




#79
 Terphenyl-d14
 Concen: 6.231 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF136523.D
 Acq: 12 Dec 2023 18:56

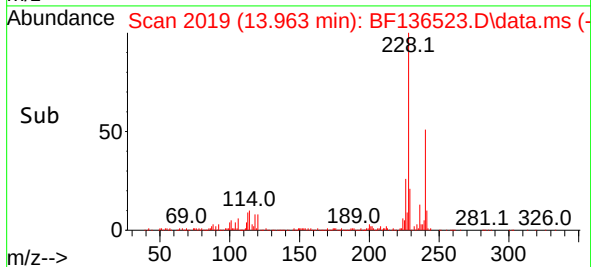
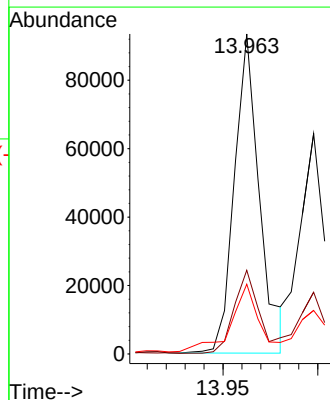
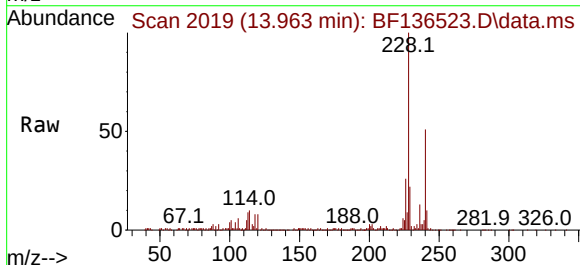
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216DL

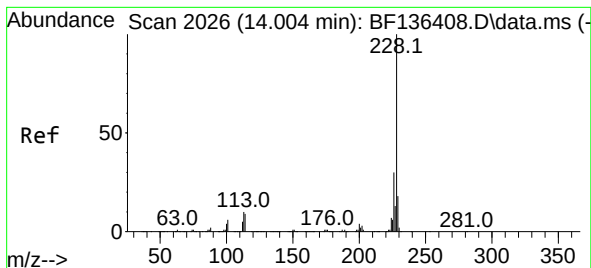
Tgt Ion:244 Resp: 94716
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.0 7.4
 122 12.9 8.3 12.5#



#81
 Benzo(a)anthracene
 Concen: 6.139 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF136523.D
 Acq: 12 Dec 2023 18:56

Tgt Ion:228 Resp: 85681
 Ion Ratio Lower Upper
 228 100
 226 26.2 21.8 32.8
 229 21.8 15.0 22.4





#83

Chrysene

Concen: 4.254 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136523.D

Acq: 12 Dec 2023 18:56

Instrument :

BNA_F

ClientSampleId :

VNJ-216DL

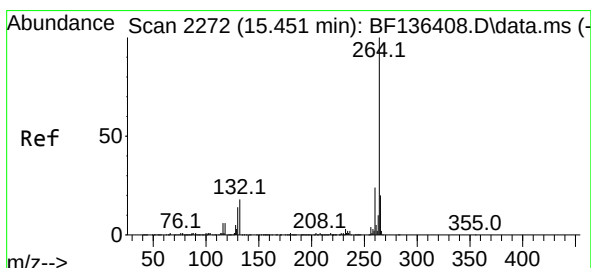
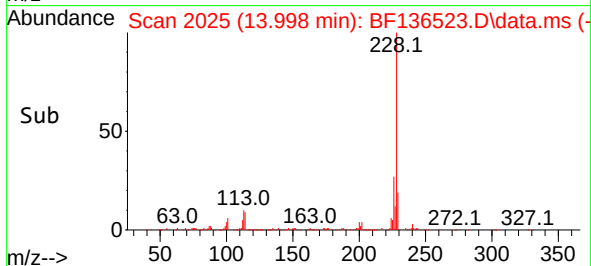
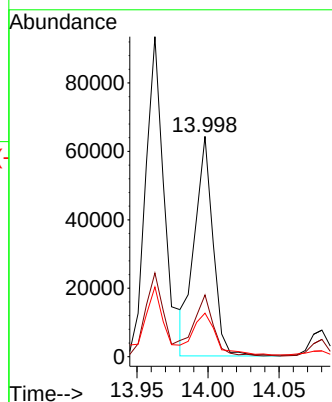
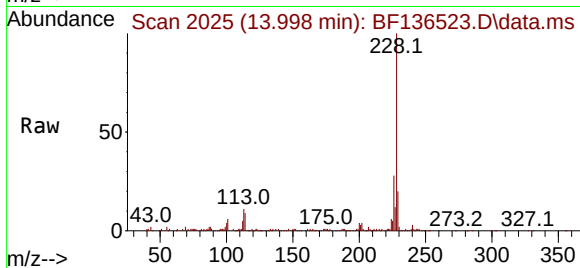
Tgt Ion:228 Resp: 58417

Ion Ratio Lower Upper

228 100

226 28.0 23.8 35.6

229 19.8 14.8 22.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2273

Delta R.T. 0.006 min

Lab File: BF136523.D

Acq: 12 Dec 2023 18:56

Tgt Ion:264 Resp: 203482

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.7 15.9 23.9

