

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110323\
 Data File : BF136136.D
 Acq On : 03 Nov 2023 21:13
 Operator : CG\JU
 Sample : 05214-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-211

Quant Time: Nov 04 00:12:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

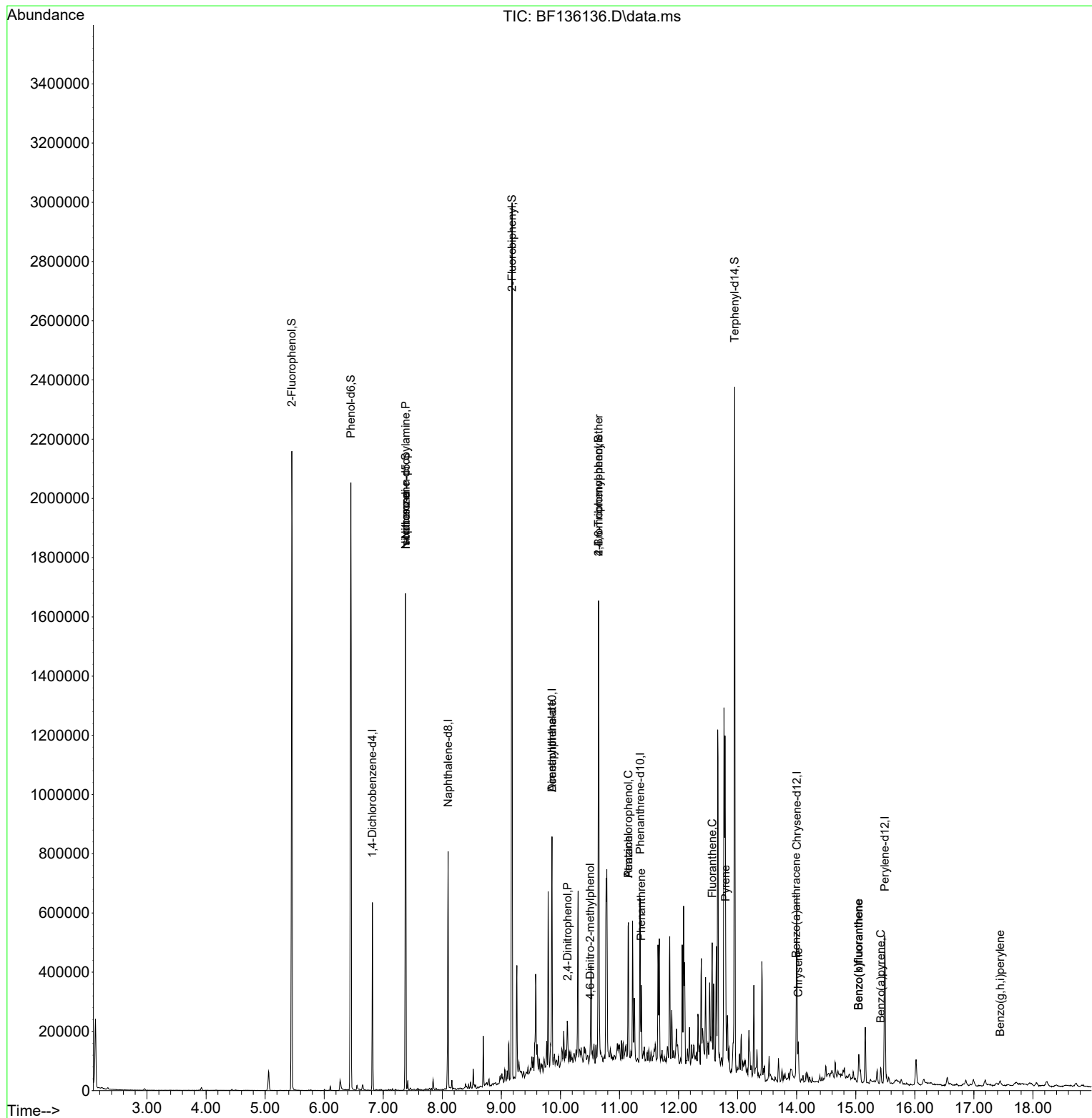
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	83029	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	306592	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	139643	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	212874	20.000	ng	# 0.00
76) Chrysene-d12	14.004	240	191451	20.000	ng	-0.01
86) Perylene-d12	15.492	264	228902	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	646336	122.326	ng	0.00
7) Phenol-d6	6.451	99	783865	119.070	ng	0.00
23) Nitrobenzene-d5	7.381	82	488220	95.994	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	179226	120.244	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	842795	96.210	ng	0.00
79) Terphenyl-d14	12.951	244	786773	63.863	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.381	70	63974	17.008	ng	# 79
25) Isophorone	7.381	82	488214	50.847	ng	# 64
50) Dimethylphthalate	9.857	163	29011	3.150	ng	# 1
54) 2,4-Dinitrophenol	10.122	184	110	8.070	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.504	198	68	5.842	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	11622	5.207	ng	# 1
69) Atrazine	11.151	200	10025	5.738	ng	# 39
70) Pentachlorophenol	11.151	266	52034	33.991	ng	100
71) Phenanthrene	11.369	178	86100	8.033	ng	98
75) Fluoranthene	12.569	202	156355	14.200	ng	97
78) Pyrene	12.798	202	111933	6.631	ng	99
81) Benzo(a)anthracene	13.992	228	45425	3.584	ng	97
83) Chrysene	14.027	228	42247	3.385	ng	98
88) Benzo(b)fluoranthene	15.051	252	65085	4.805	ng	99
89) Benzo(k)fluoranthene	15.051	252	65085	4.857	ng	99
90) Benzo(a)pyrene	15.421	252	27280	2.168	ng	96
92) Benzo(g,h,i)perylene	17.445	276	12817	3.758	ng	97

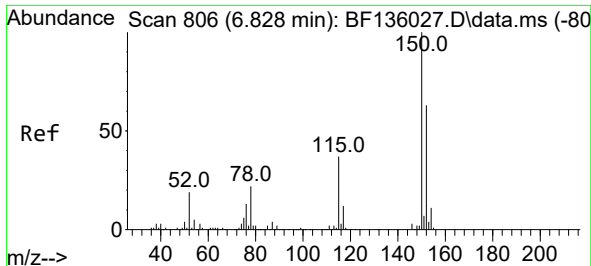
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
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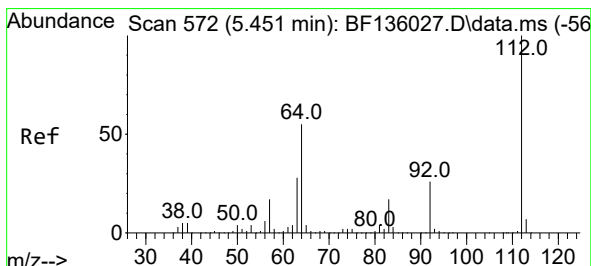
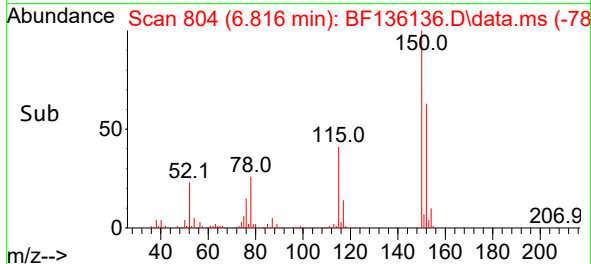
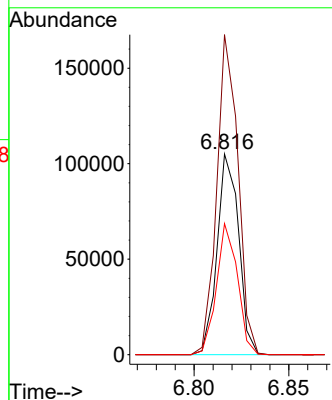
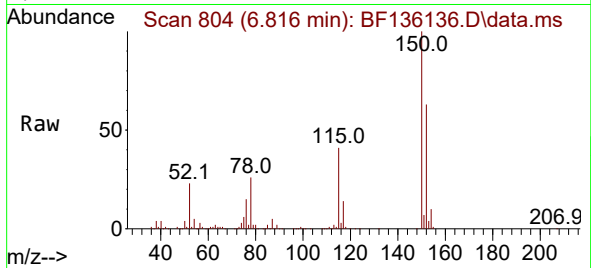




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.012 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

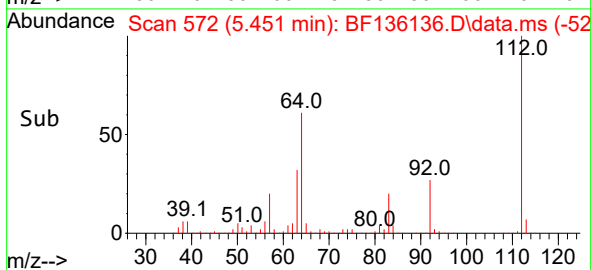
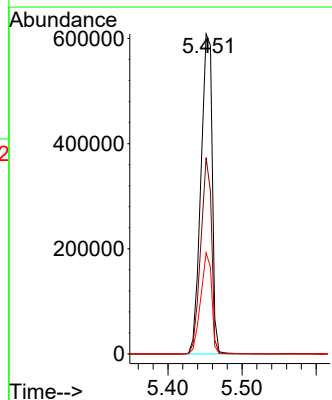
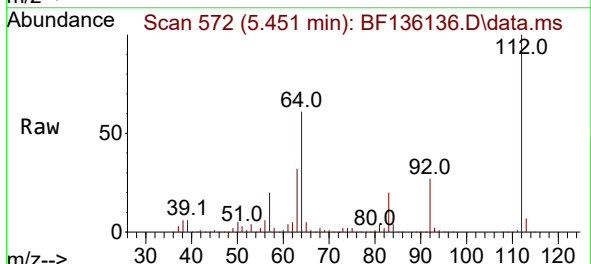
Instrument :
BNA_F
ClientSampleId :
VNJ-211

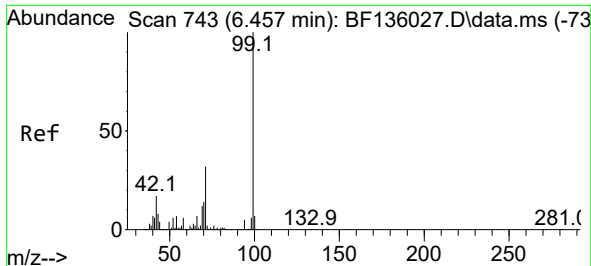
Tgt Ion:152 Resp: 83029
Ion Ratio Lower Upper
152 100
150 159.5 126.4 189.6
115 65.3 47.0 70.4



#5
2-Fluorophenol
Concen: 122.326 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

Tgt Ion:112 Resp: 646336
Ion Ratio Lower Upper
112 100
64 61.3 43.9 65.9
63 31.6 22.4 33.6

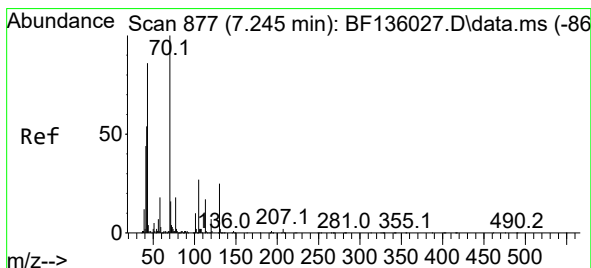
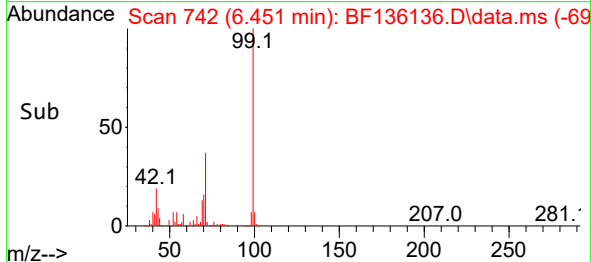
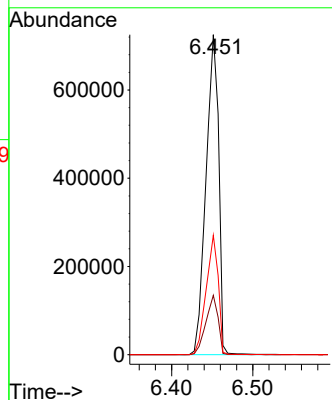
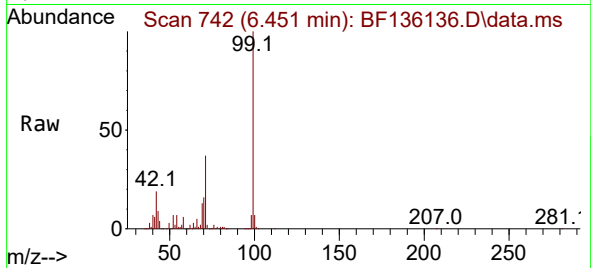




#7
Phenol-d6
Concen: 119.070 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

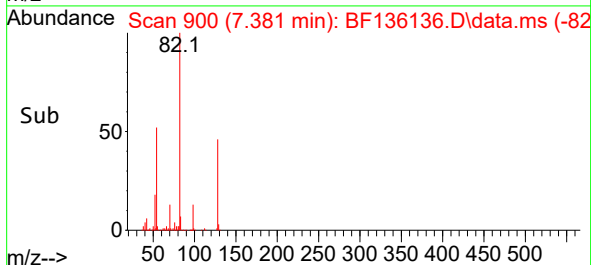
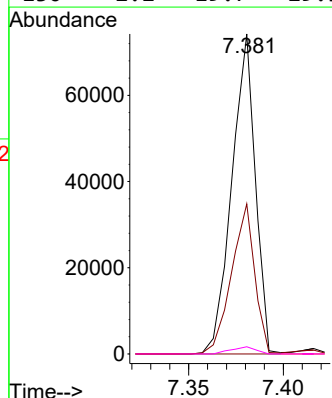
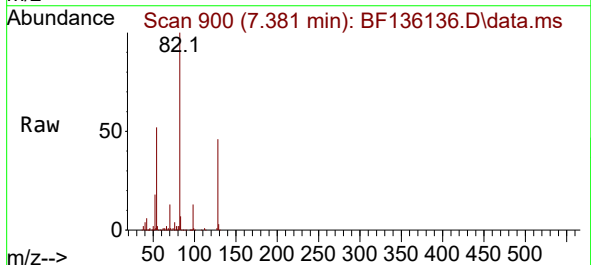
Instrument :
BNA_F
ClientSampleId :
VNJ-211

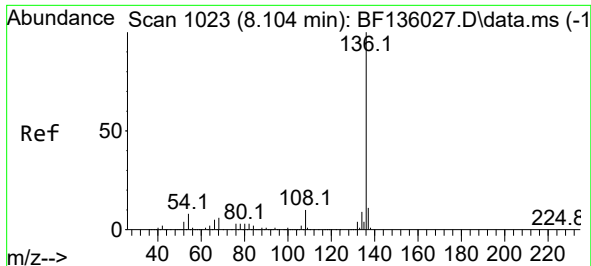
Tgt Ion: 99 Resp: 783865
Ion Ratio Lower Upper
99 100
42 18.5 13.7 20.5
71 37.3 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 17.008 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

Tgt Ion: 70 Resp: 63974
Ion Ratio Lower Upper
70 100
42 46.9 43.0 64.4
101 0.0 8.0 12.0#
130 2.2 19.7 29.5#

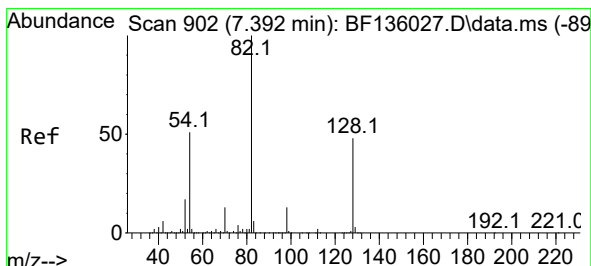
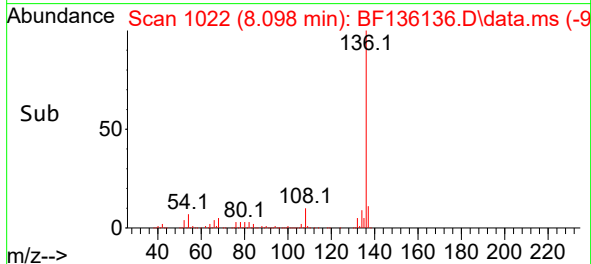
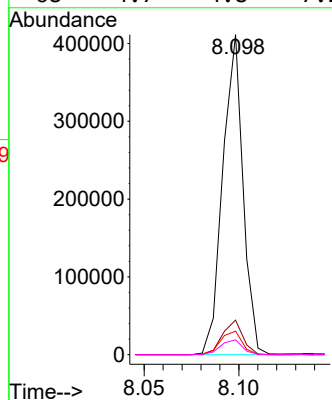
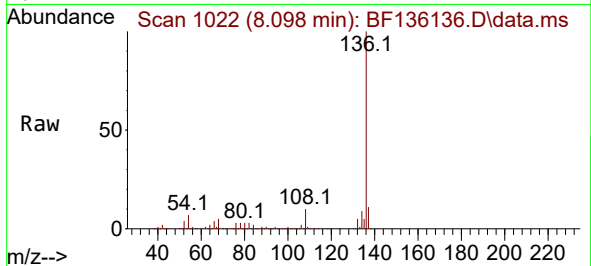




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

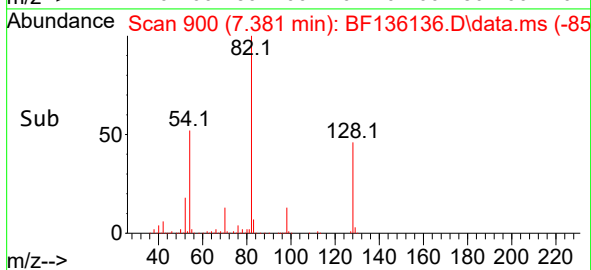
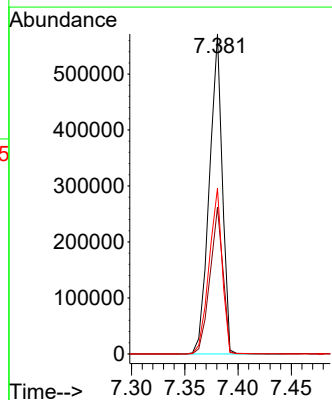
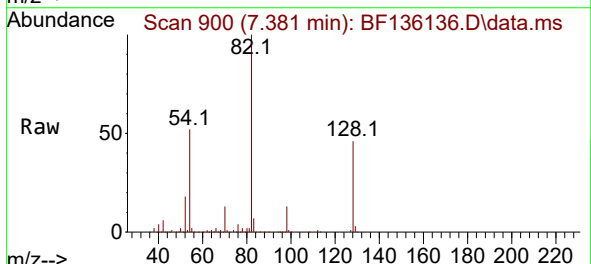
Instrument :
BNA_F
ClientSampleId :
VNJ-211

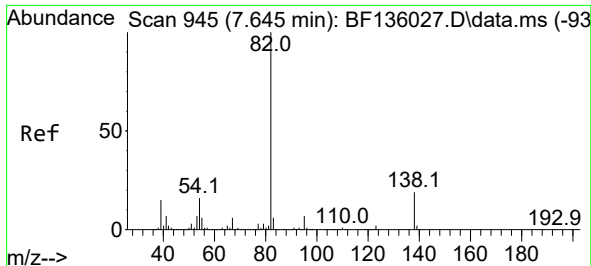
Tgt Ion:136 Resp: 306592
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.3 6.6 9.8
68 4.7 4.8 7.2#



#23
Nitrobenzene-d5
Concen: 95.994 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

Tgt Ion: 82 Resp: 488220
Ion Ratio Lower Upper
82 100
128 45.8 38.6 57.8
54 51.8 40.8 61.2

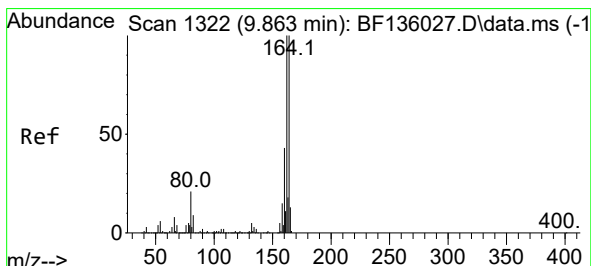
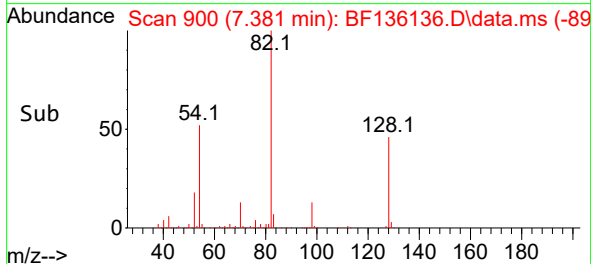
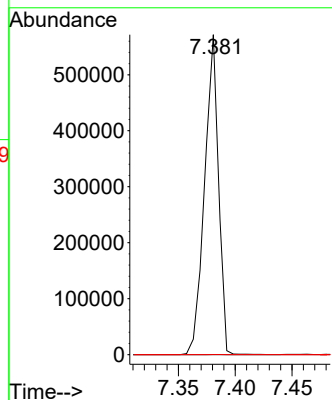
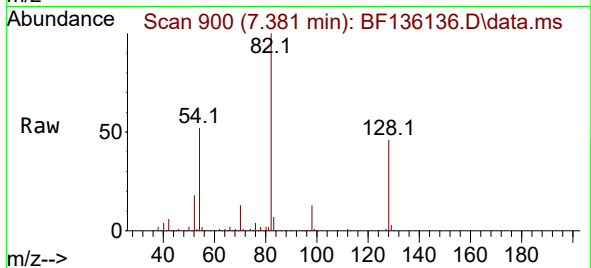




#25
Isophorone
Concen: 50.847 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

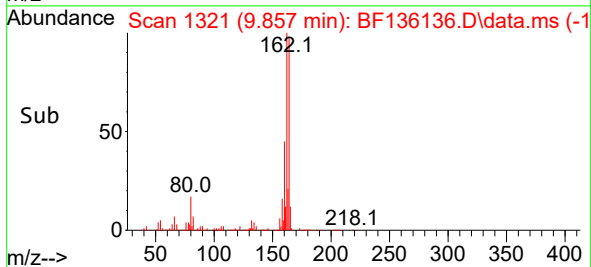
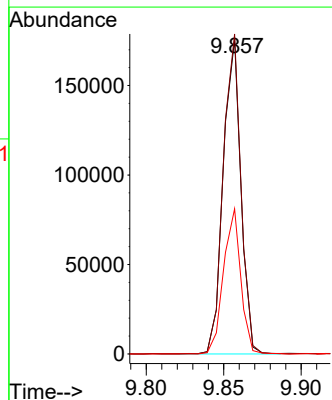
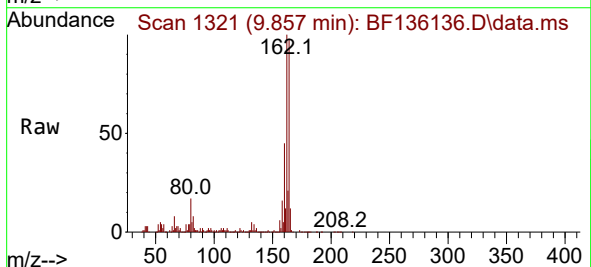
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ClientSampleId :
VNJ-211

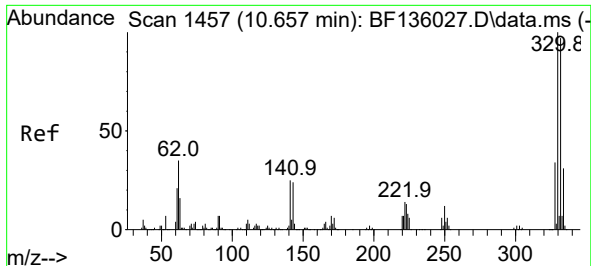
Tgt Ion: 82 Resp: 488214
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

Tgt Ion:164 Resp: 139643
Ion Ratio Lower Upper
164 100
162 101.7 80.1 120.1
160 46.1 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 120.244 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.012 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

Instrument :

BNA_F

ClientSampleId :

VNJ-211

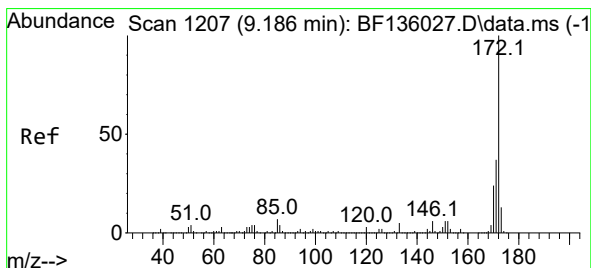
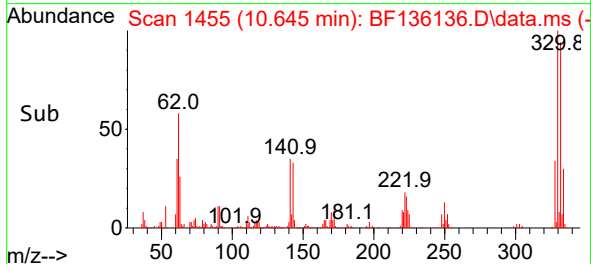
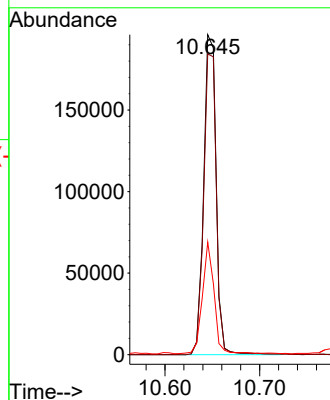
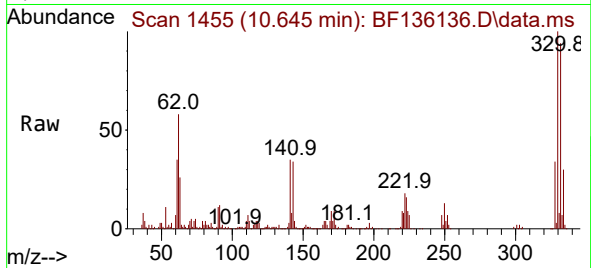
Tgt Ion:330 Resp: 179226

Ion Ratio Lower Upper

330 100

332 95.9 76.9 115.3

141 32.5 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 96.210 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

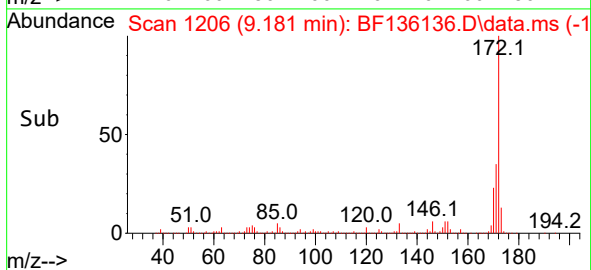
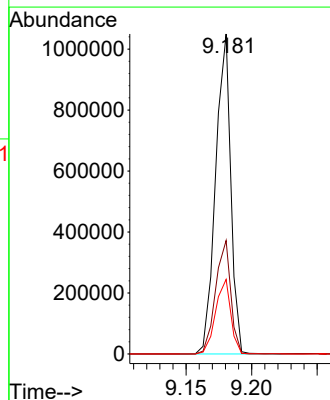
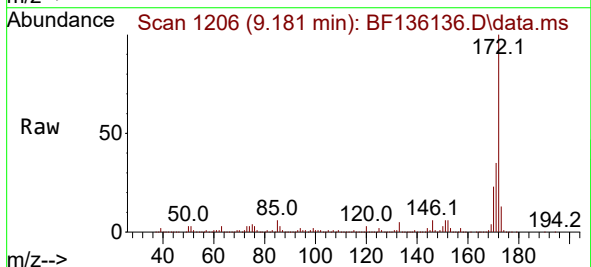
Tgt Ion:172 Resp: 842795

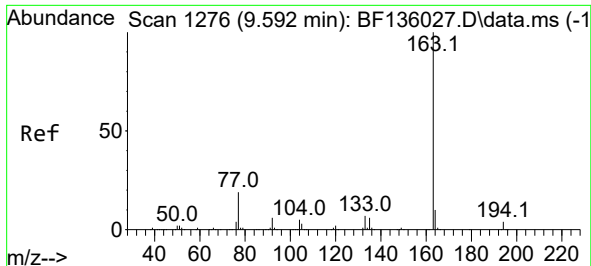
Ion Ratio Lower Upper

172 100

171 35.4 29.4 44.0

170 23.3 19.3 28.9

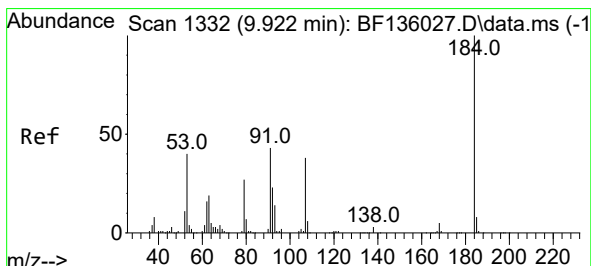
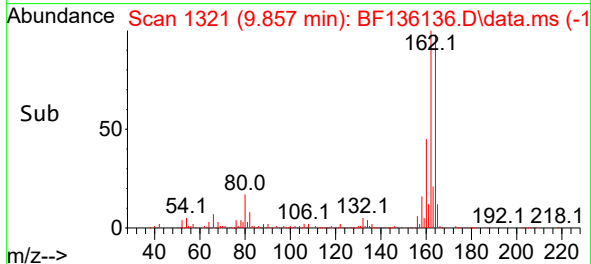
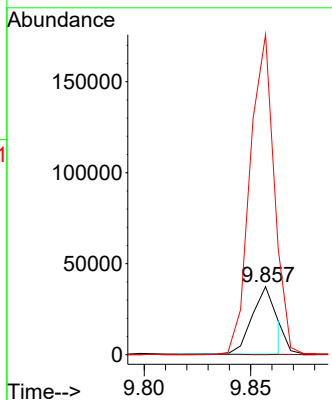
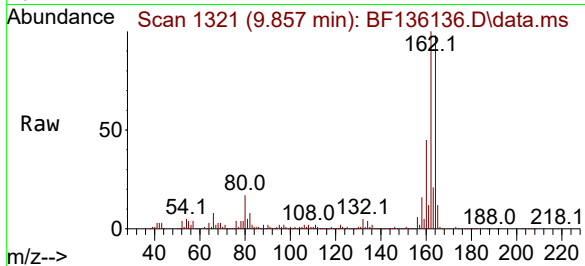




#50
Dimethylphthalate
Concen: 3.150 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.265 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

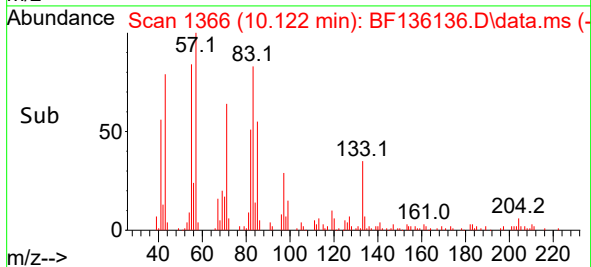
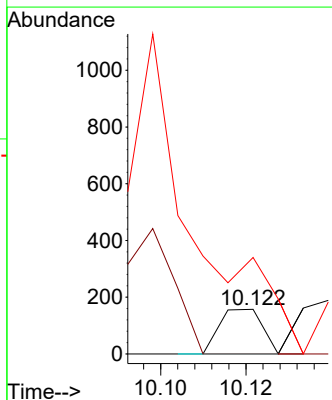
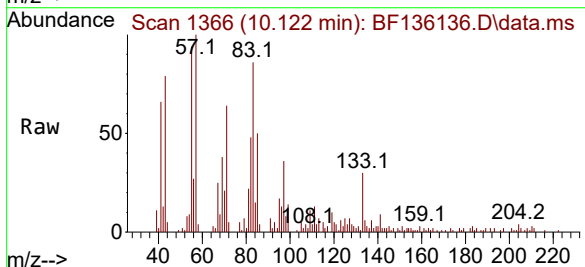
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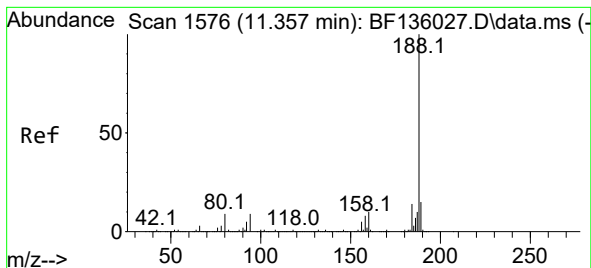
Tgt Ion:163 Resp: 29011
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 471.0 8.1 12.1#



#54
2,4-Dinitrophenol
Concen: 8.070 ng
RT: 10.122 min Scan# 1366
Delta R.T. 0.200 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

Tgt Ion:184 Resp: 110
Ion Ratio Lower Upper
184 100
63 0.0 43.7 65.5#
154 216.6 51.2 76.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

Instrument :

BNA_F

ClientSampleId :

VNJ-211

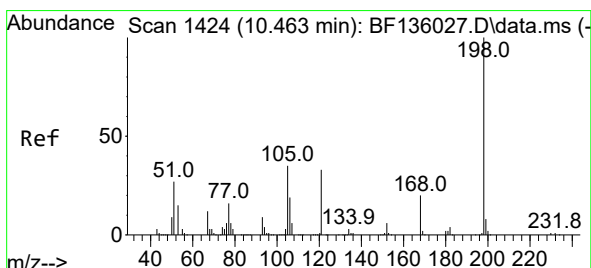
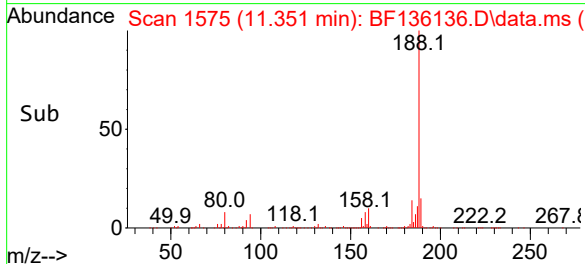
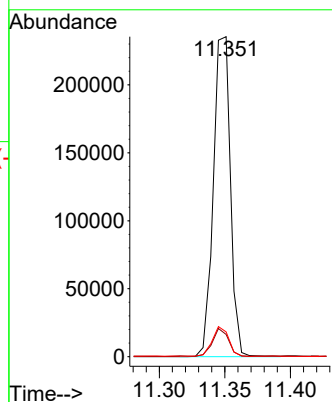
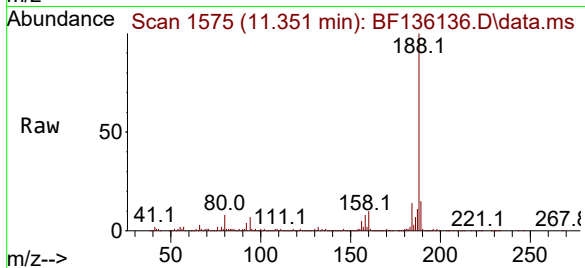
Tgt Ion:188 Resp: 212874

Ion Ratio Lower Upper

188 100

94 7.0 7.2 10.8#

80 7.8 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 5.842 ng

RT: 10.504 min Scan# 1431

Delta R.T. 0.041 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

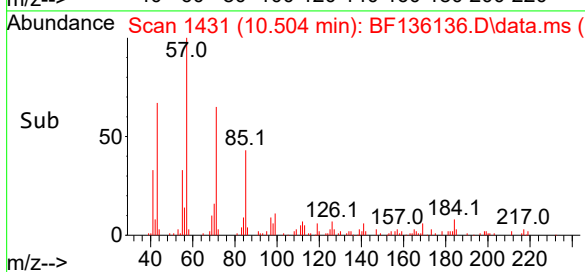
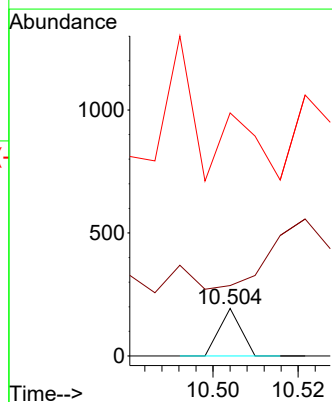
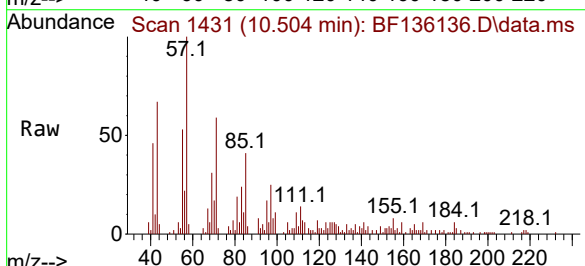
Tgt Ion:198 Resp: 68

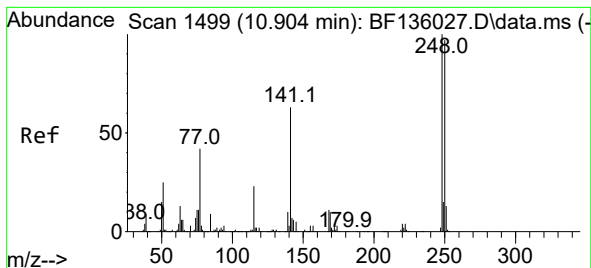
Ion Ratio Lower Upper

198 100

51 148.2 12.9 52.9#

105 511.9 16.0 56.0#

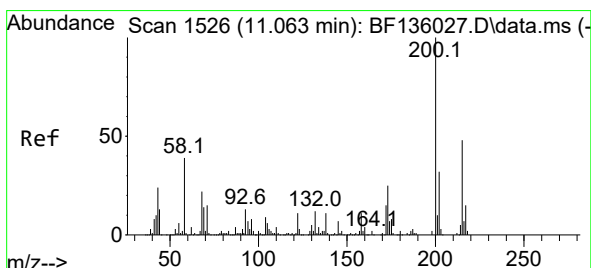
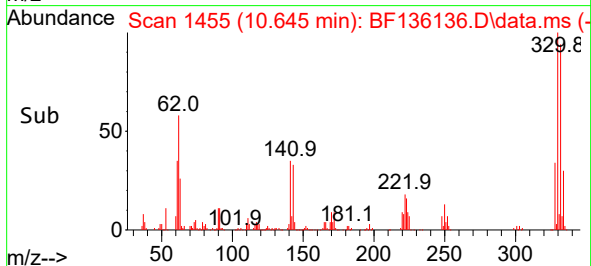
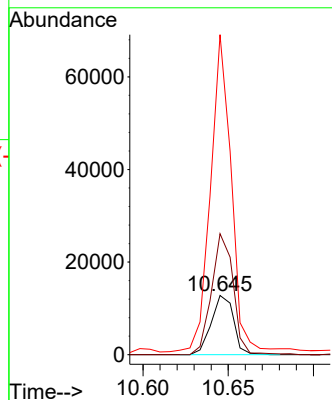
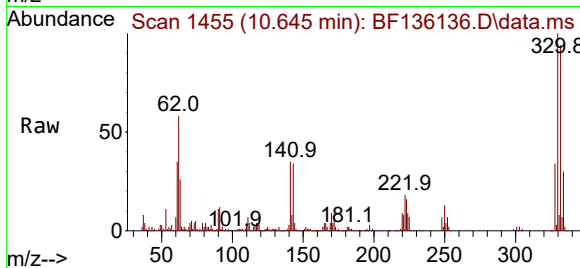




#67
4-Bromophenyl-phenylether
Concen: 5.207 ng
RT: 10.645 min Scan# 1499
Delta R.T. -0.259 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

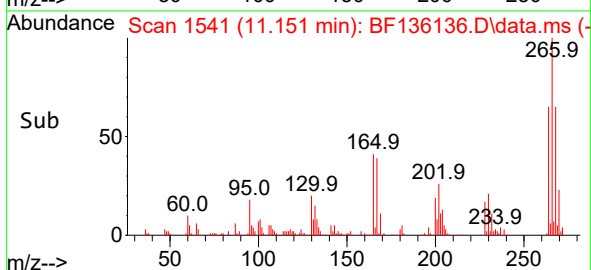
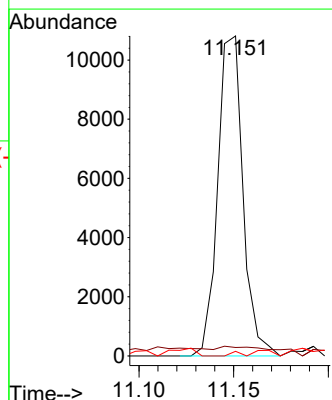
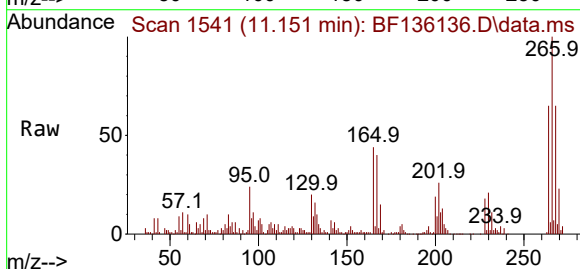
Instrument :
BNA_F
ClientSampleId :
VNJ-211

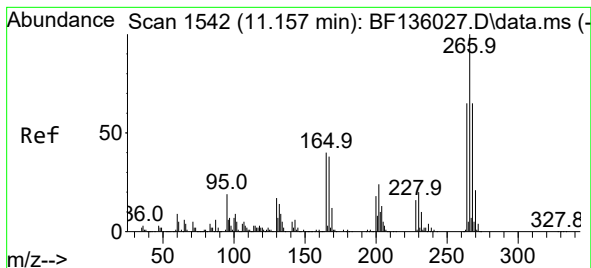
Tgt Ion:248 Resp: 11622
Ion Ratio Lower Upper
248 100
250 204.2 77.6 116.4#
141 540.2 50.4 75.6#



#69
Atrazine
Concen: 5.738 ng
RT: 11.151 min Scan# 1541
Delta R.T. 0.088 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

Tgt Ion:200 Resp: 10025
Ion Ratio Lower Upper
200 100
173 2.6 5.2 45.2#
215 1.4 28.4 68.4#





#70

Pentachlorophenol

Concen: 33.991 ng

RT: 11.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

Instrument :

BNA_F

ClientSampleId :

VNJ-211

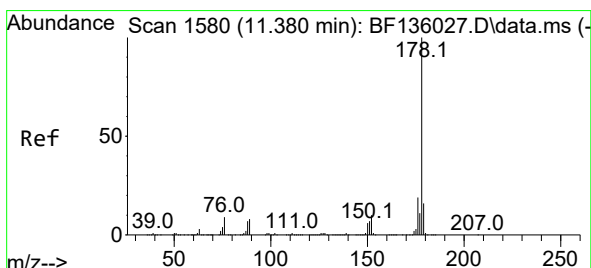
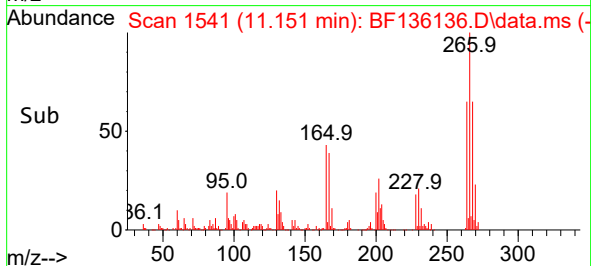
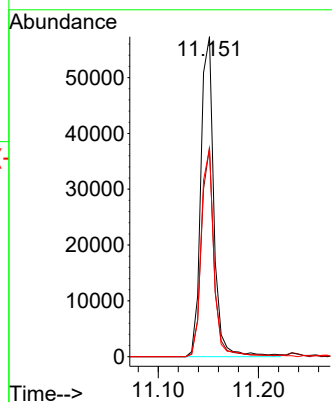
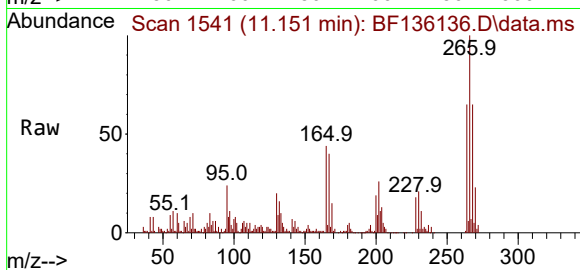
Tgt Ion:266 Resp: 52034

Ion Ratio Lower Upper

266 100

268 65.4 52.2 78.4

264 65.0 52.2 78.4



#71

Phenanthrene

Concen: 8.033 ng

RT: 11.369 min Scan# 1578

Delta R.T. -0.012 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

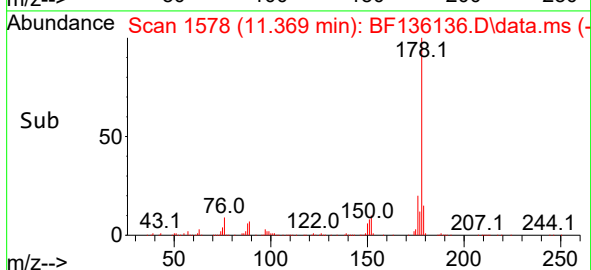
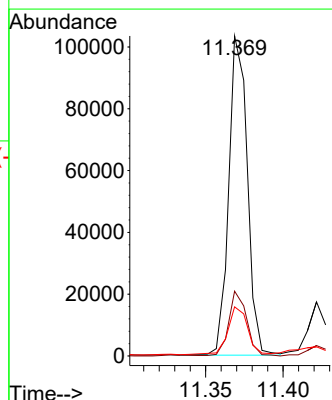
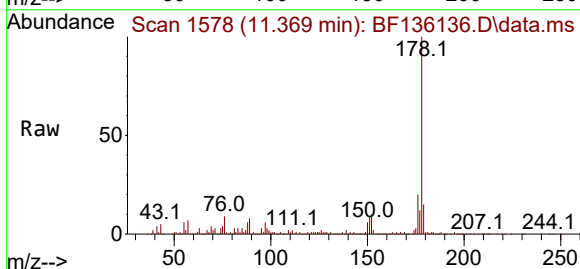
Tgt Ion:178 Resp: 86100

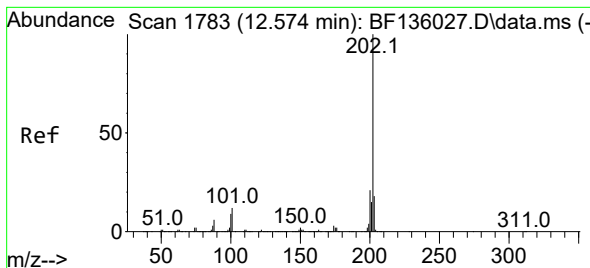
Ion Ratio Lower Upper

178 100

176 20.3 15.5 23.3

179 15.4 12.9 19.3





#75

Fluoranthene

Concen: 14.200 ng

RT: 12.569 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

Instrument :

BNA_F

ClientSampleId :

VNJ-211

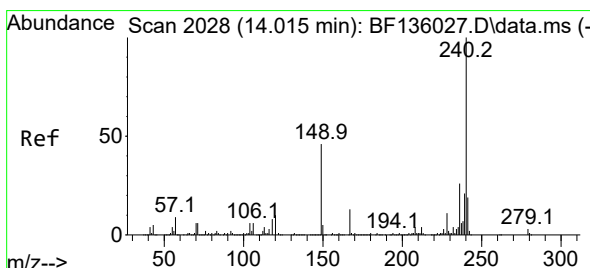
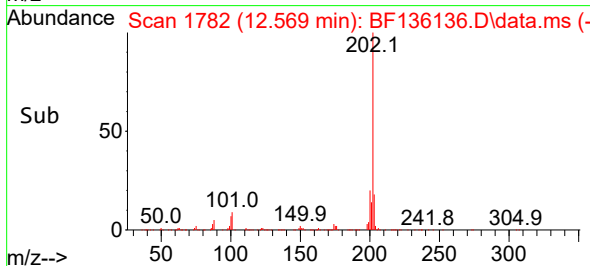
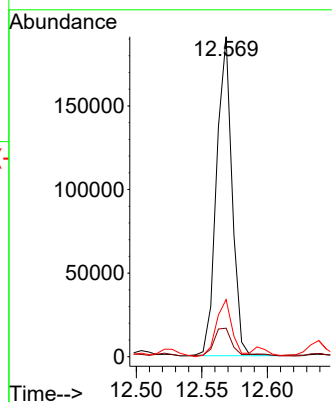
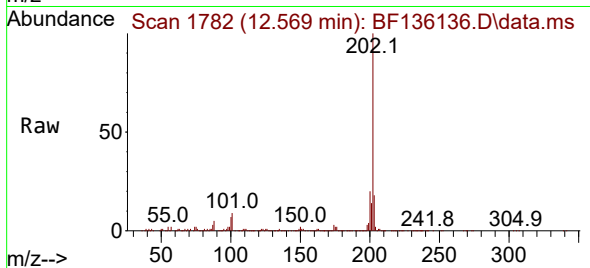
Tgt Ion:202 Resp: 156355

Ion Ratio Lower Upper

202 100

101 8.9 0.0 31.8

203 17.9 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

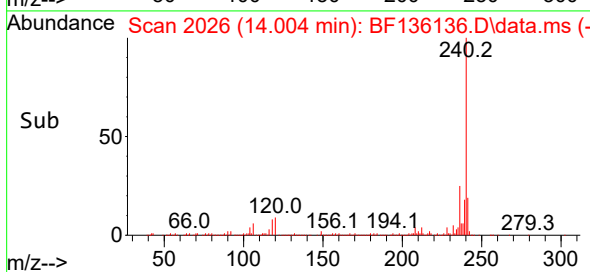
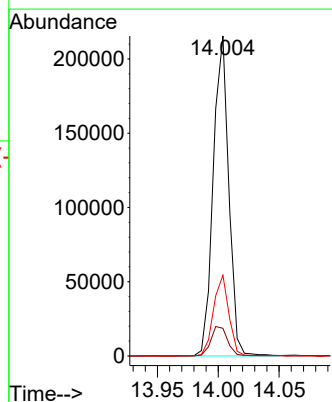
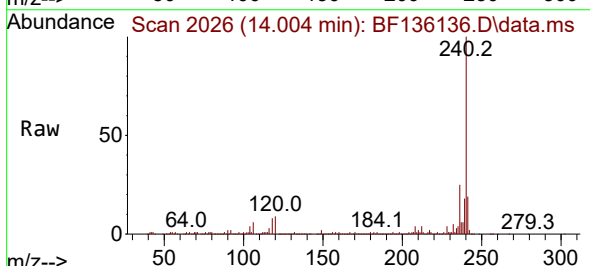
Tgt Ion:240 Resp: 191451

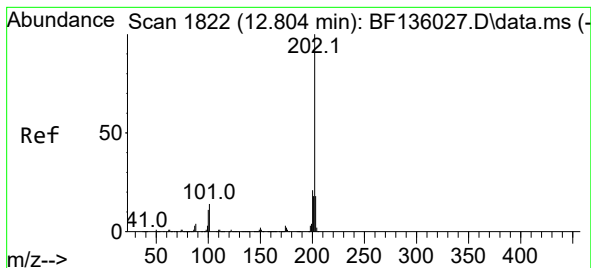
Ion Ratio Lower Upper

240 100

120 8.7 7.6 11.4

236 25.3 20.6 31.0





#78

Pyrene

Concen: 6.631 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

Instrument :

BNA_F

ClientSampleId :

VNJ-211

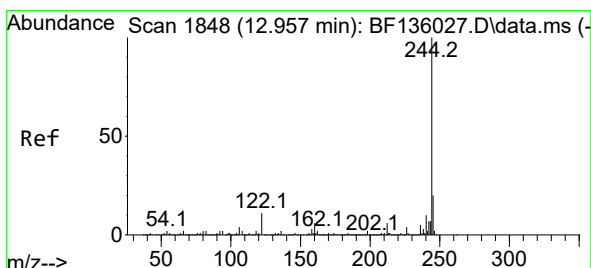
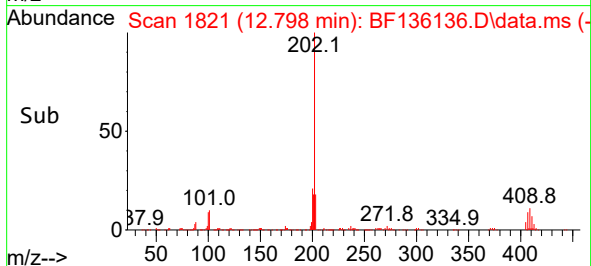
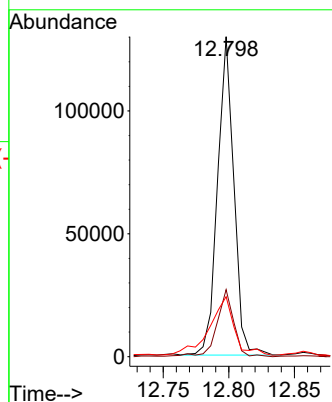
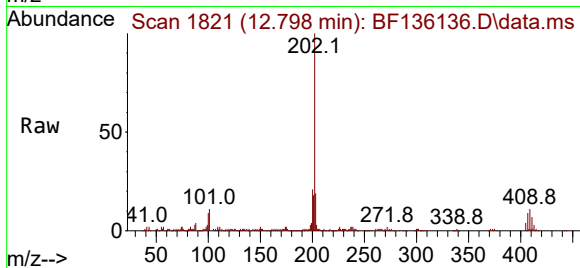
Tgt Ion:202 Resp: 111933

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 18.8 14.4 21.6



#79

Terphenyl-d14

Concen: 63.863 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

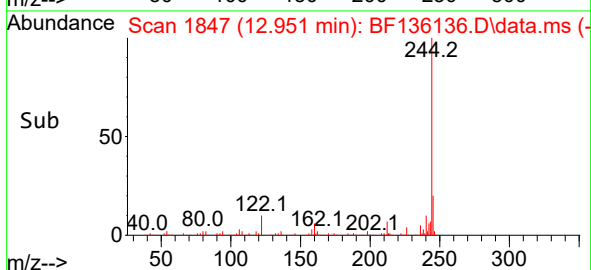
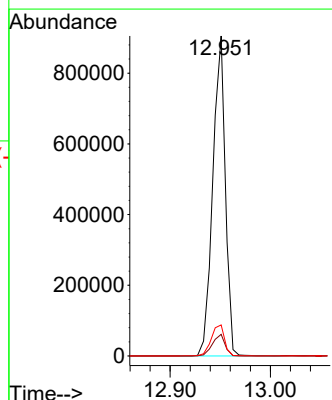
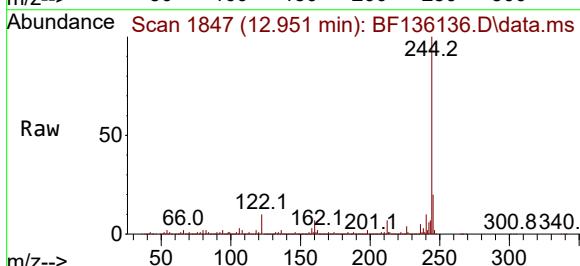
Tgt Ion:244 Resp: 786773

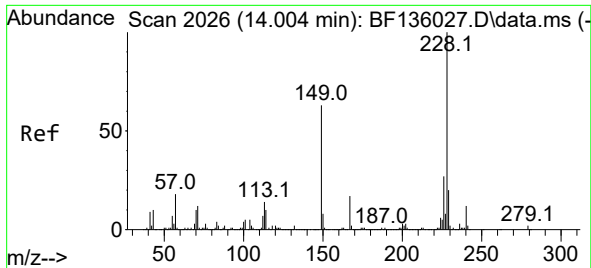
Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 9.7 8.6 12.8

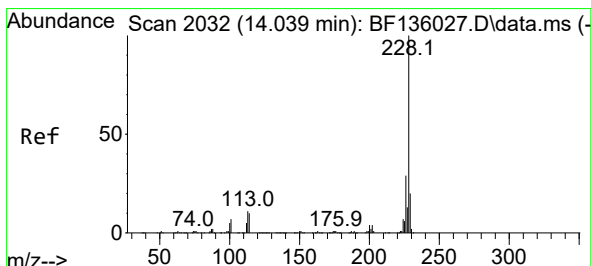
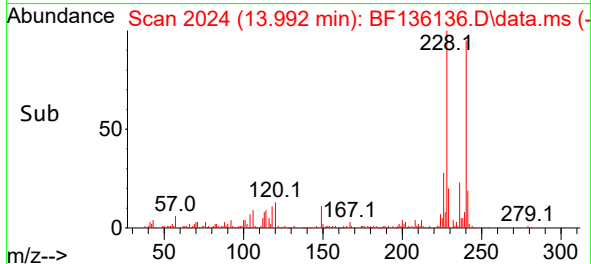
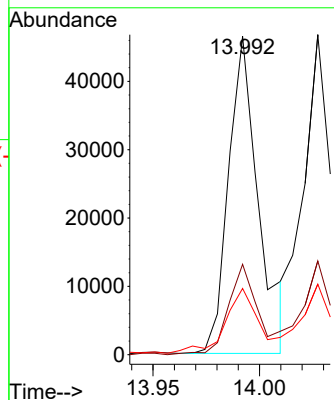
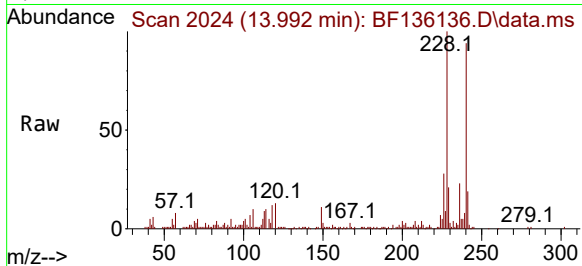




#81
Benzo(a)anthracene
Concen: 3.584 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

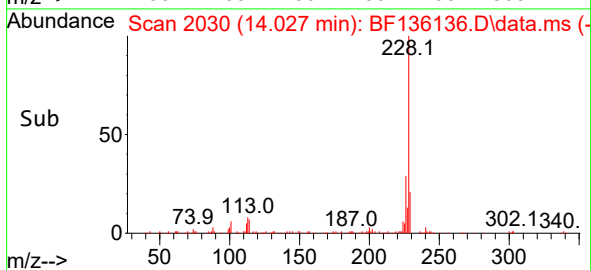
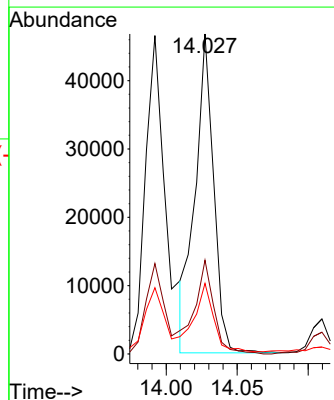
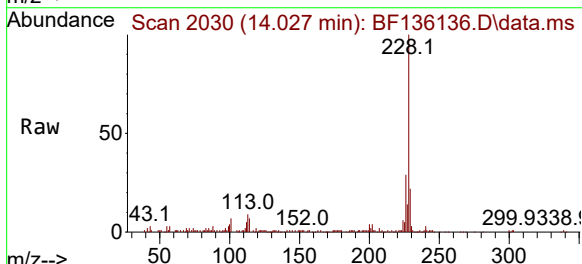
Instrument :
BNA_F
ClientSampleId :
VNJ-211

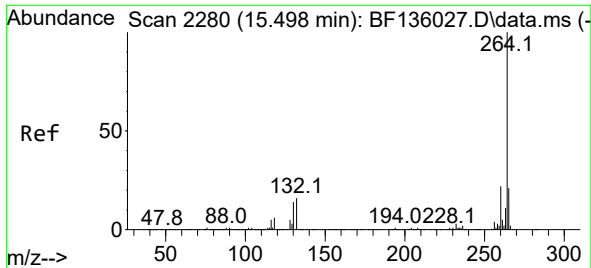
Tgt Ion:228 Resp: 45425
Ion Ratio Lower Upper
228 100
226 28.4 21.5 32.3
229 20.8 15.8 23.6



#83
Chrysene
Concen: 3.385 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

Tgt Ion:228 Resp: 42247
Ion Ratio Lower Upper
228 100
226 29.3 23.5 35.3
229 22.0 16.0 24.0

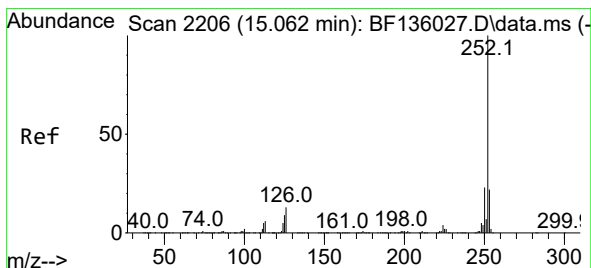
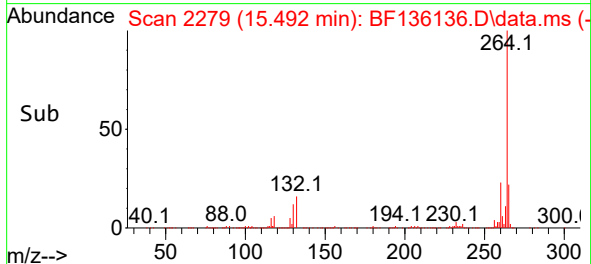
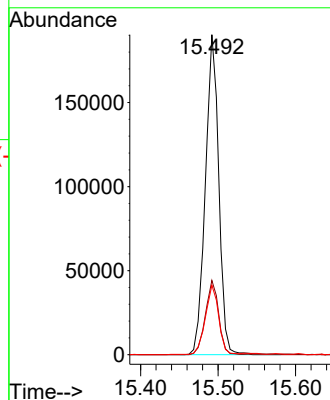
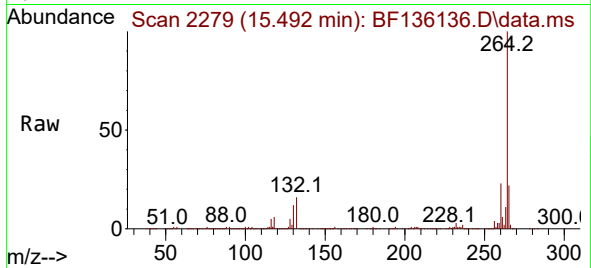




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

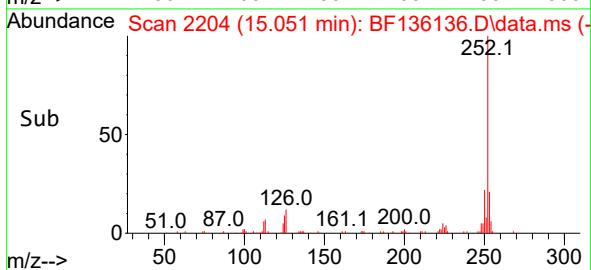
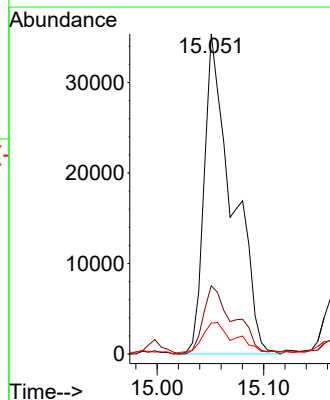
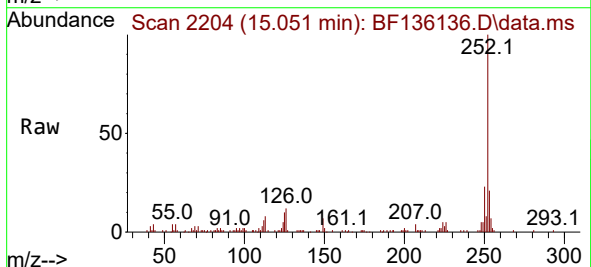
Instrument :
BNA_F
ClientSampleId :
VNJ-211

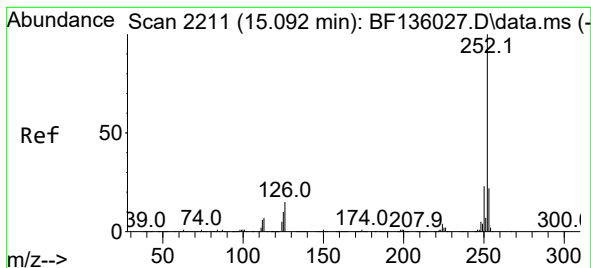
Tgt Ion:264 Resp: 228902
Ion Ratio Lower Upper
264 100
260 23.2 17.9 26.9
265 21.7 16.8 25.2



#88
Benzo(b)fluoranthene
Concen: 4.805 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

Tgt Ion:252 Resp: 65085
Ion Ratio Lower Upper
252 100
253 21.3 17.7 26.5
125 9.6 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 4.857 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

Instrument :

BNA_F

ClientSampleId :

VNJ-211

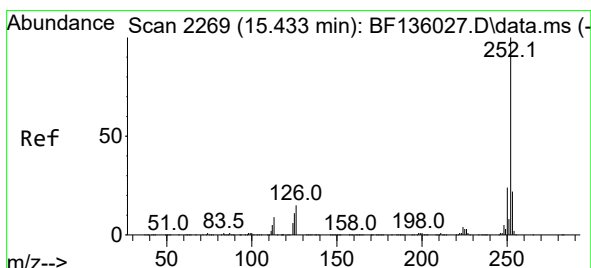
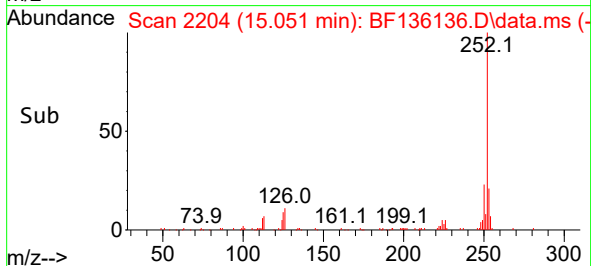
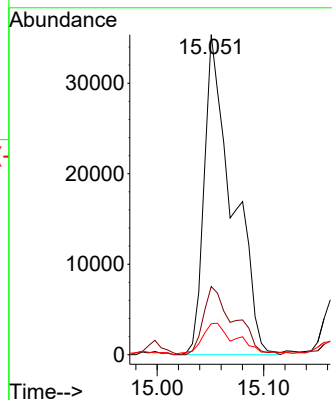
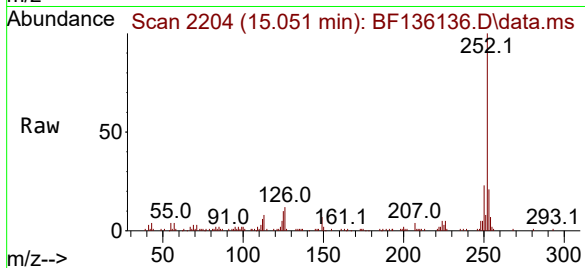
Tgt Ion:252 Resp: 65085

Ion Ratio Lower Upper

252 100

253 21.3 17.4 26.0

125 9.6 8.0 12.0



#90

Benzo(a)pyrene

Concen: 2.168 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF136136.D

Acq: 03 Nov 2023 21:13

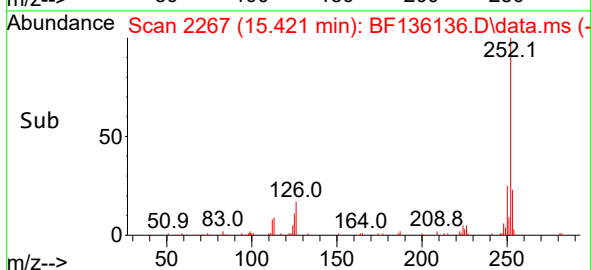
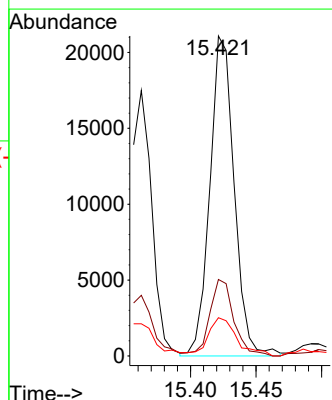
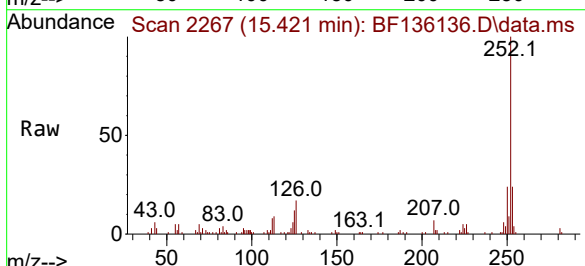
Tgt Ion:252 Resp: 27280

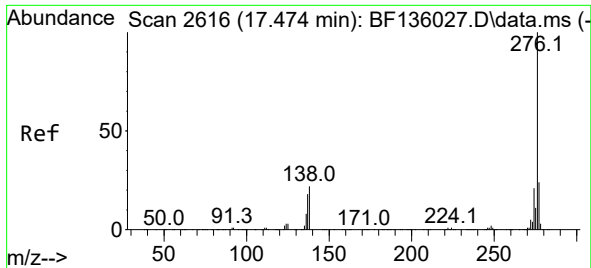
Ion Ratio Lower Upper

252 100

253 23.9 17.3 25.9

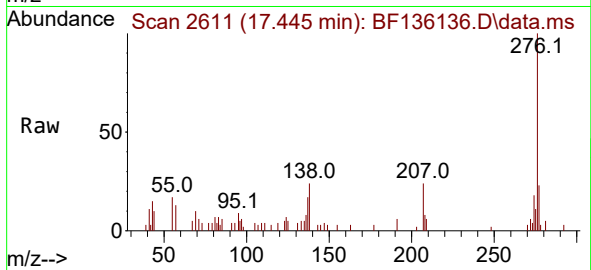
125 11.9 9.0 13.6





#92
Benzo(g,h,i)perylene
Concen: 3.758 ng
RT: 17.445 min Scan# 20
Delta R.T. -0.029 min
Lab File: BF136136.D
Acq: 03 Nov 2023 21:13

Instrument :
BNA_F
ClientSampleId :
VNJ-211



Tgt Ion:	276	Resp:	12817
Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.0	28.4
138	23.9	17.4	26.2

