

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134338.D
 Acq On : 18 Jul 2023 15:09
 Operator : CG\JU
 Sample : 03617-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Quant Time: Jul 18 15:36:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

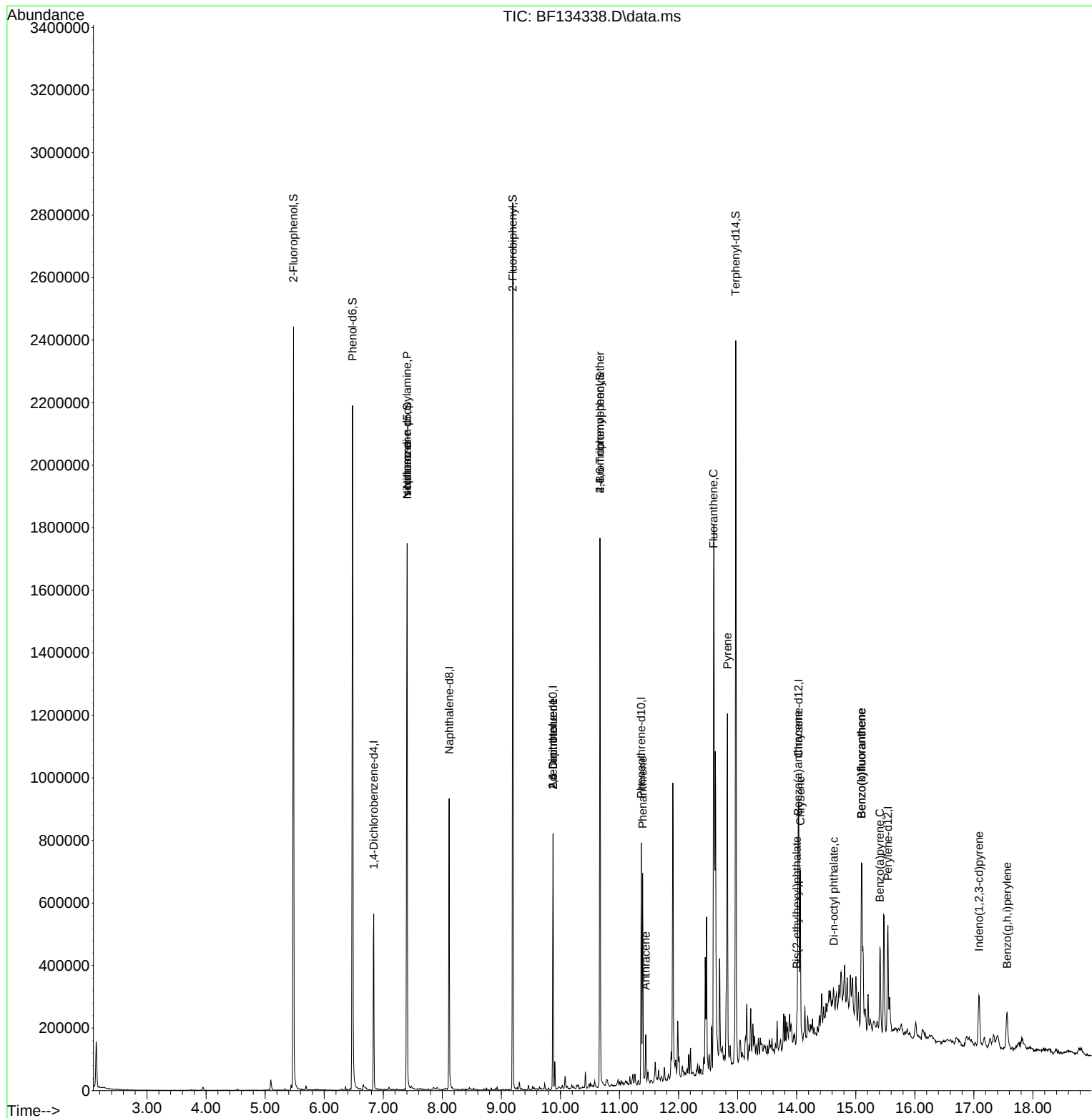
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	78438	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	356468	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	142532	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	266066	20.000	ng	0.00
76) Chrysene-d12	14.033	240	165769	20.000	ng	0.00
86) Perylene-d12	15.545	264	172397	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	617337	131.653	ng	0.01
7) Phenol-d6	6.481	99	753854	130.726	ng	0.00
23) Nitrobenzene-d5	7.404	82	512730	77.535	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	214783	120.187	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	824213	84.074	ng	-0.01
79) Terphenyl-d14	12.968	244	812415	78.876	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	385	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	73186	20.012	ng	# 75
25) Isophorone	7.404	82	512723	42.662	ng	# 64
51) 2,6-Dinitrotoluene	9.875	165	18485	8.295	ng	# 23
57) 2,4-Dinitrotoluene	9.875	165	18485	6.281	ng	# 22
67) 4-Bromophenyl-phenylether	10.669	248	12842	4.541	ng	# 1
71) Phenanthrene	11.392	178	226617	16.919	ng	99
72) Anthracene	11.445	178	52121	3.741	ng	98
75) Fluoranthene	12.592	202	531812	36.726	ng	98
78) Pyrene	12.827	202	463524	30.046	ng	99
81) Benzo(a)anthracene	14.021	228	246572	21.448	ng	100
83) Chrysene	14.062	228	231341	20.776	ng	98
84) Bis(2-ethylhexyl)phtha...	14.004	149	14655	2.204	ng	# 93
85) Di-n-octyl phthalate	14.627	149	32210	3.297	ng	# 49
87) Indeno(1,2,3-cd)pyrene	17.086	276	114792	9.596	ng	# 92
88) Benzo(b)fluoranthene	15.098	252	388890	38.363	ng	98
89) Benzo(k)fluoranthene	15.098	252	388890	37.679	ng	97
90) Benzo(a)pyrene	15.409	252	135210	13.794	ng	99
92) Benzo(g,h,i)perylene	17.562	276	107714	10.690	ng	97

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

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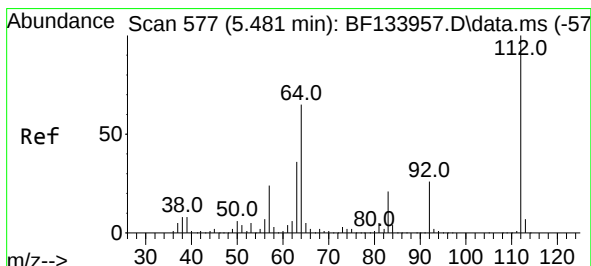
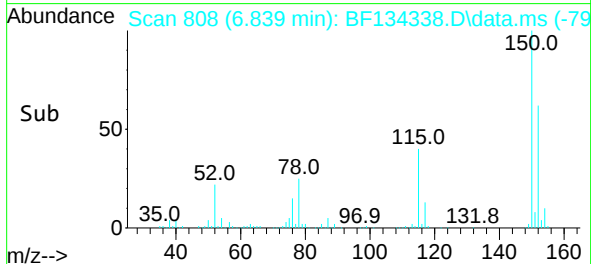
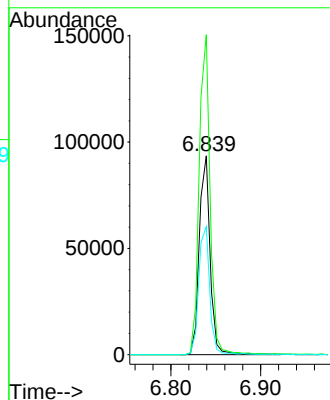
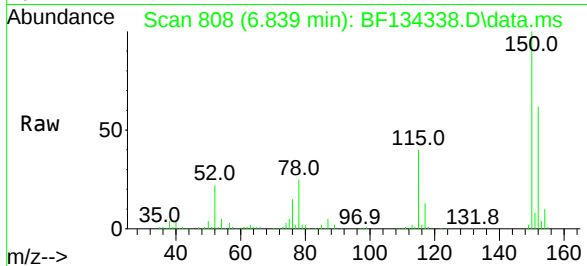




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

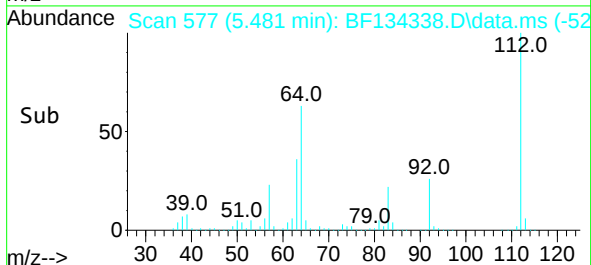
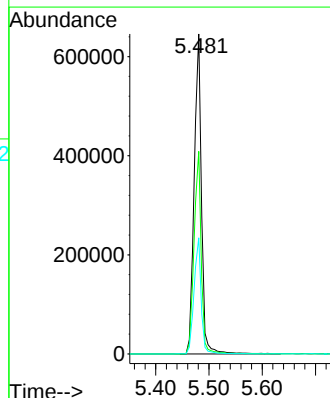
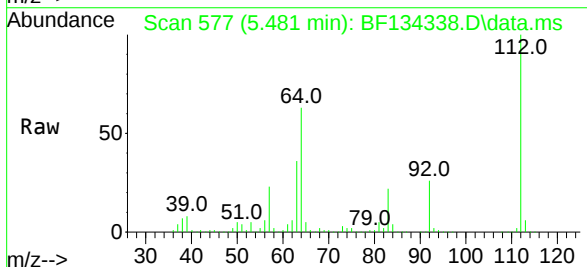
Instrument :
BNA_F
ClientSampleId :
VNJ-214

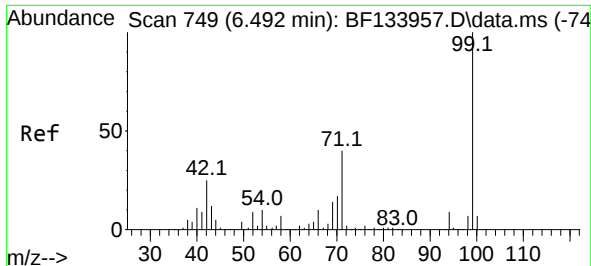
Tgt Ion:152 Resp: 78438
Ion Ratio Lower Upper
152 100
150 160.9 124.5 186.7
115 64.4 50.2 75.2



#5
2-Fluorophenol
Concen: 131.653 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.012 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

Tgt Ion:112 Resp: 617337
Ion Ratio Lower Upper
112 100
64 63.3 52.1 78.1
63 36.3 28.6 42.8

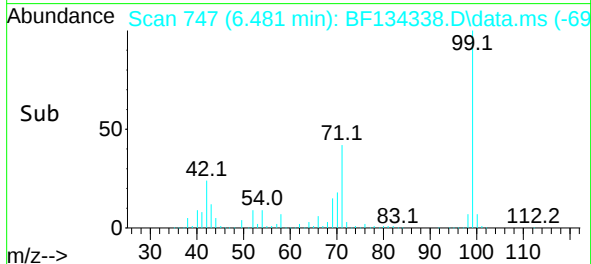
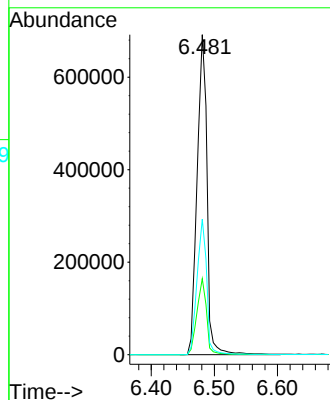
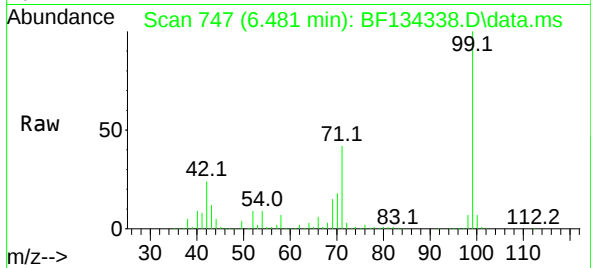




#7
Phenol-d6
Concen: 130.726 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

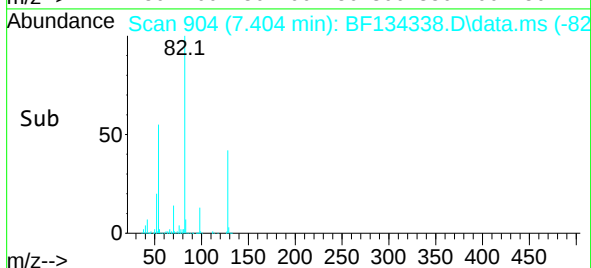
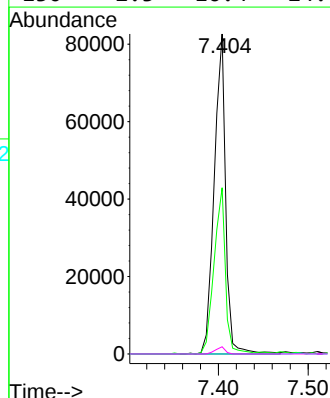
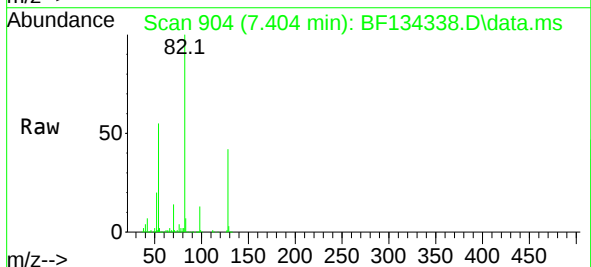
Instrument :
BNA_F
ClientSampleId :
VNJ-214

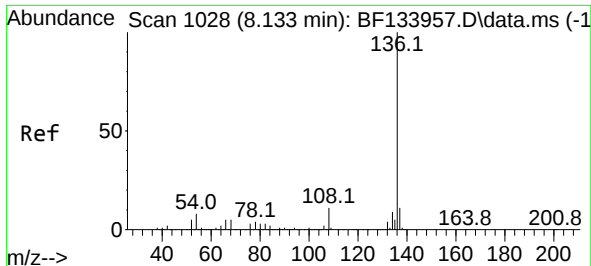
Tgt Ion: 99 Resp: 753854
Ion Ratio Lower Upper
99 100
42 23.8 19.8 29.6
71 42.3 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 20.012 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

Tgt Ion: 70 Resp: 73186
Ion Ratio Lower Upper
70 100
42 52.0 54.7 82.1#
101 0.0 7.7 11.5#
130 2.3 16.4 24.6#

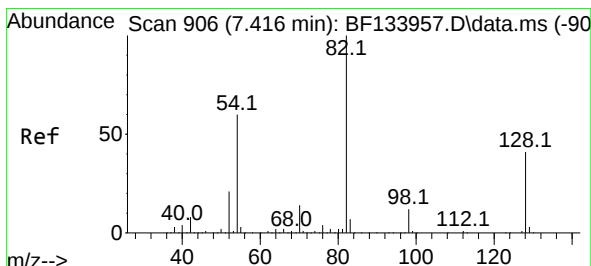
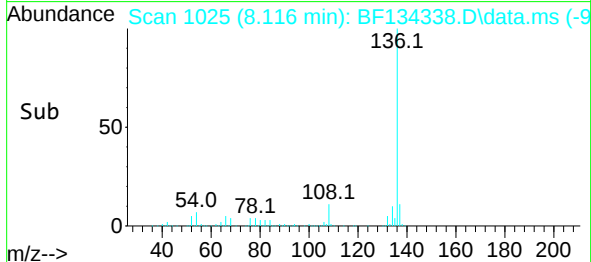
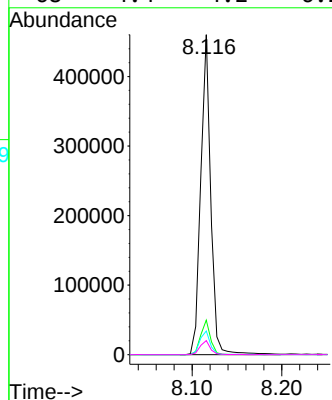
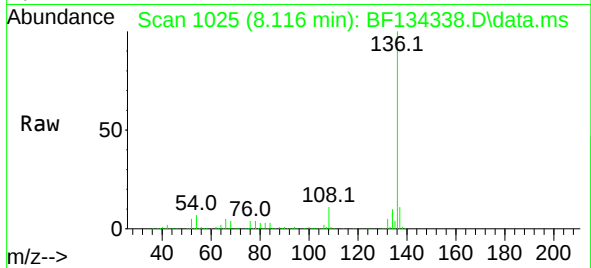




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

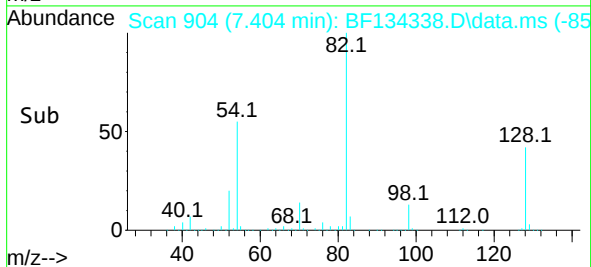
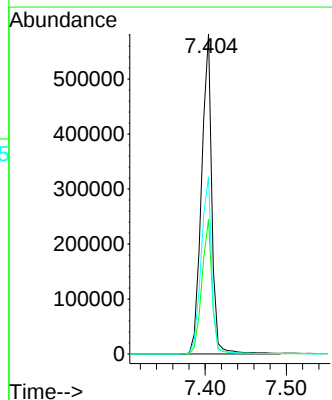
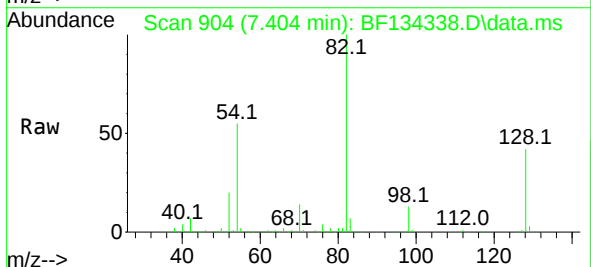
Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion:136 Resp: 356468
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 7.4 6.5 9.7
68 4.4 4.2 6.2



#23
Nitrobenzene-d5
Concen: 77.535 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

Tgt Ion: 82 Resp: 512730
Ion Ratio Lower Upper
82 100
128 42.1 32.5 48.7
54 55.4 48.2 72.2

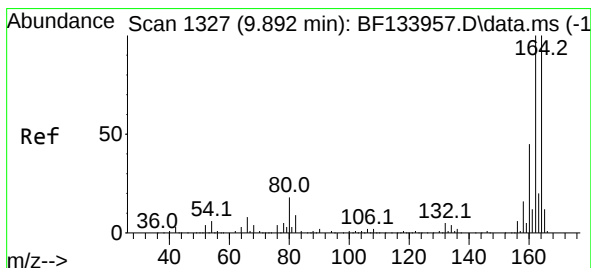
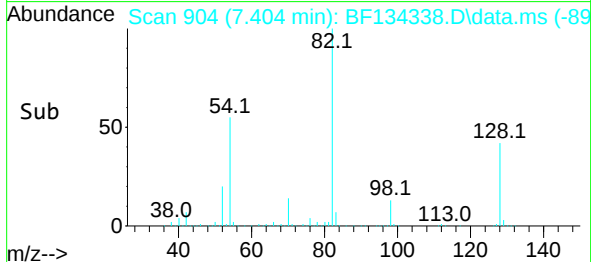
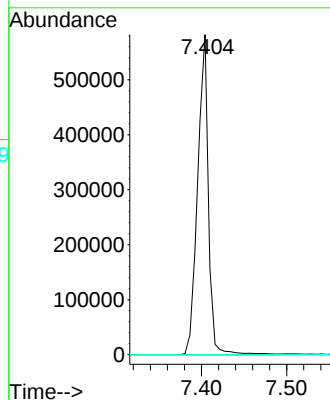
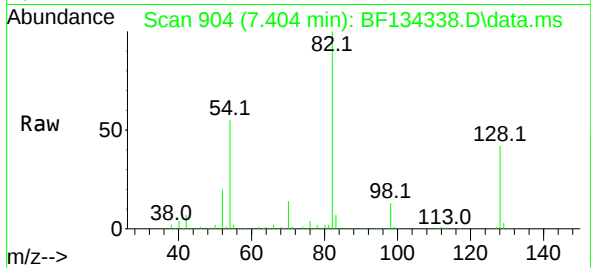




#25
Isophorone
Concen: 42.662 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

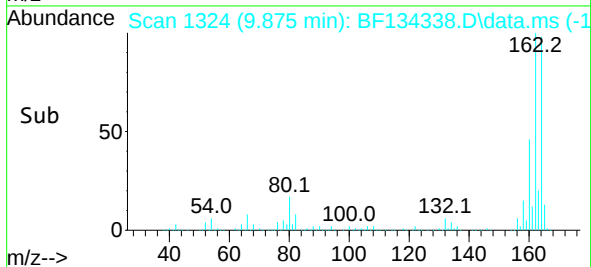
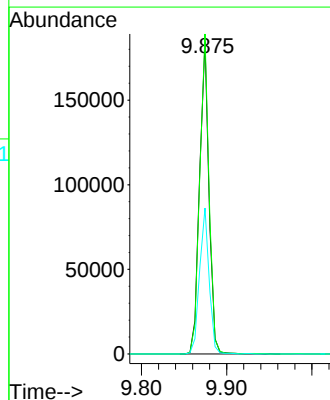
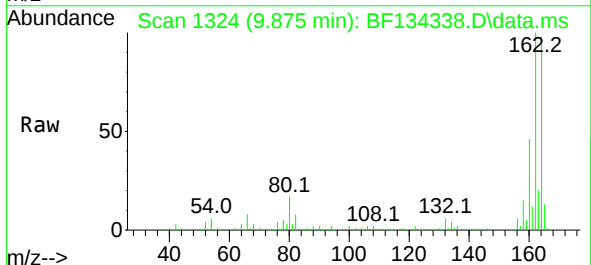
Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion: 82 Resp: 512723
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

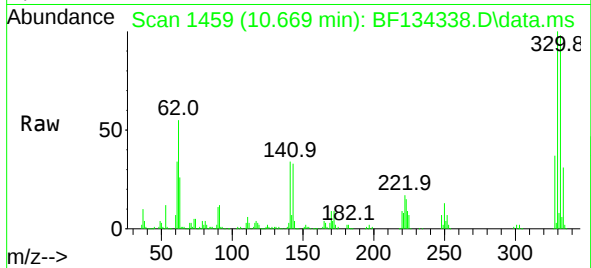
Tgt Ion:164 Resp: 142532
Ion Ratio Lower Upper
164 100
162 102.4 80.0 120.0
160 46.7 35.9 53.9



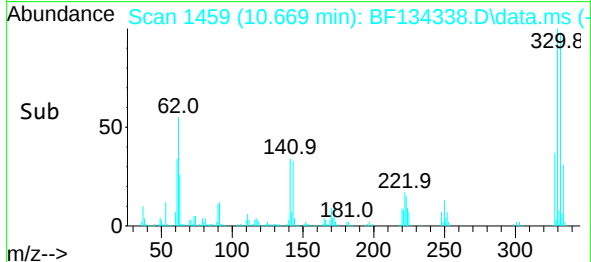
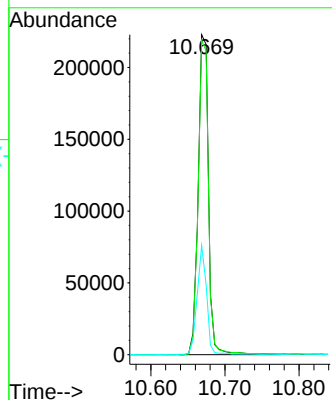


#42
2,4,6-Tribromophenol
Concen: 120.187 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

Instrument :
BNA_F
ClientSampleId :
VNJ-214

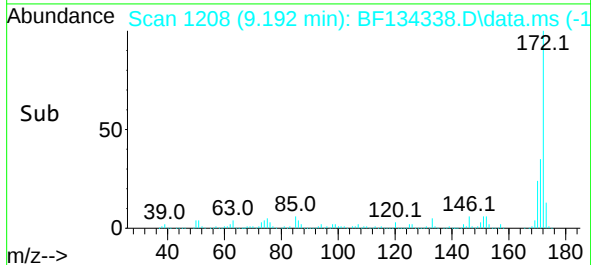
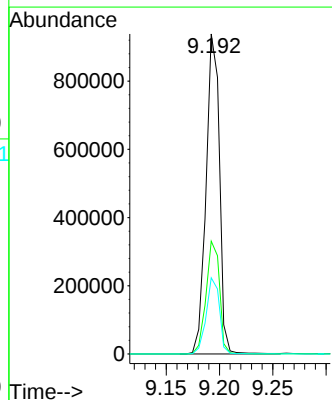
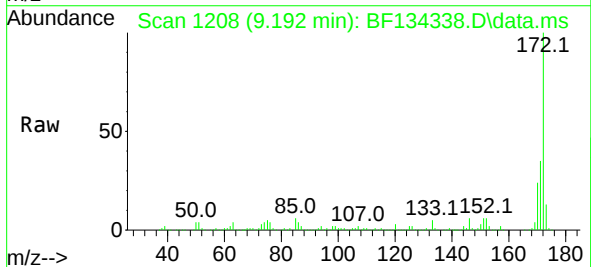


Tgt Ion:330 Resp: 214783
Ion Ratio Lower Upper
330 100
332 97.8 77.0 115.6
141 31.5 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 84.074 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

Tgt Ion:172 Resp: 824213
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.8 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.295 ng

RT: 9.875 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Instrument :

BNA_F

ClientSampleId :

VNJ-214

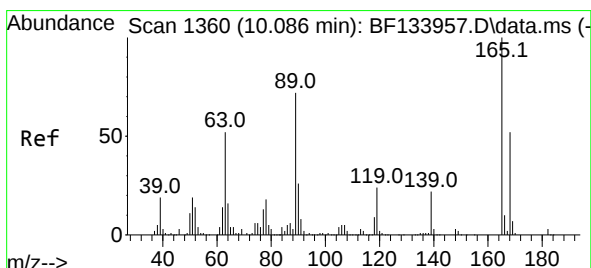
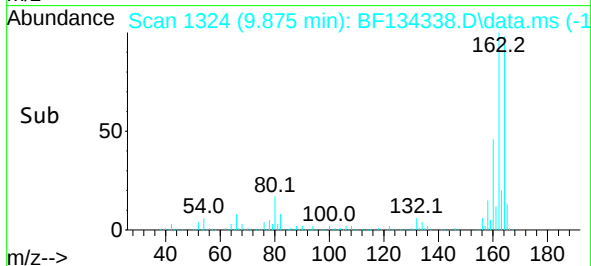
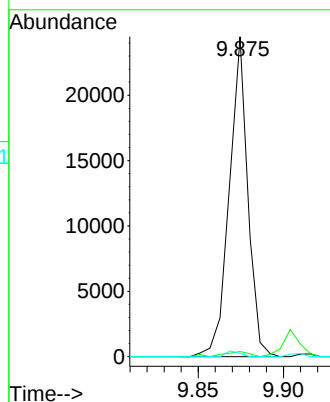
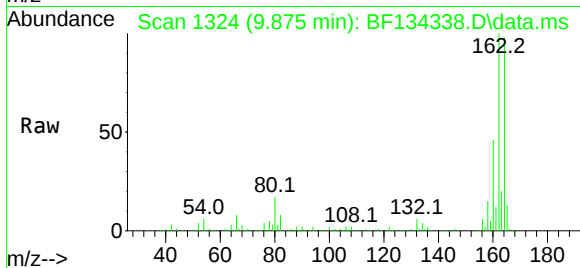
Tgt Ion:165 Resp: 18485

Ion Ratio Lower Upper

165 100

63 1.6 48.5 72.7#

89 1.1 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.281 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.206 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Tgt Ion:165 Resp: 18485

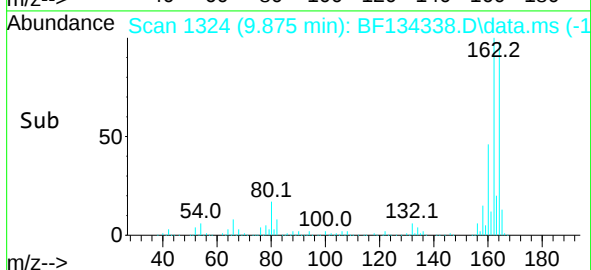
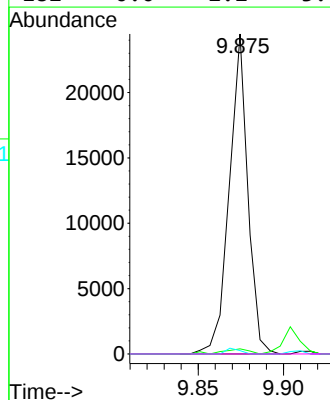
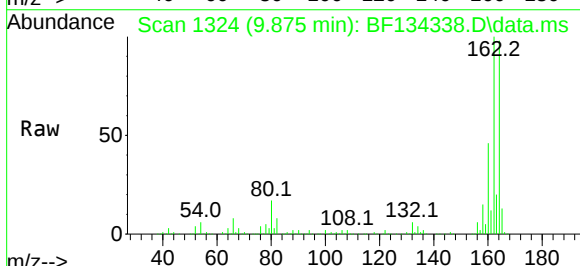
Ion Ratio Lower Upper

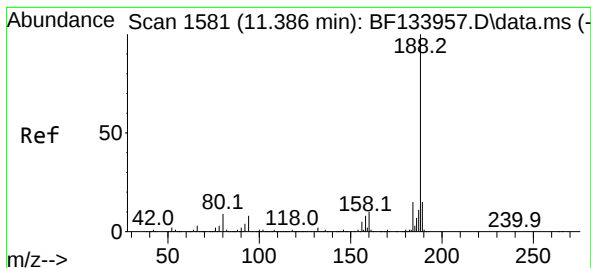
165 100

63 1.6 42.2 63.2#

89 1.1 57.4 86.2#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134338.D

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VNJ-214

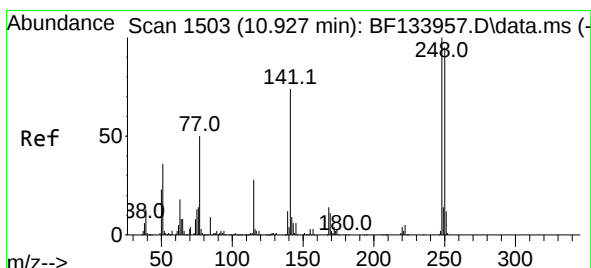
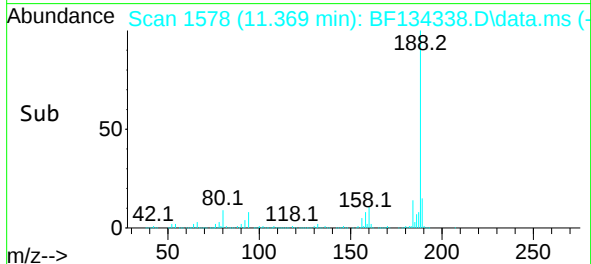
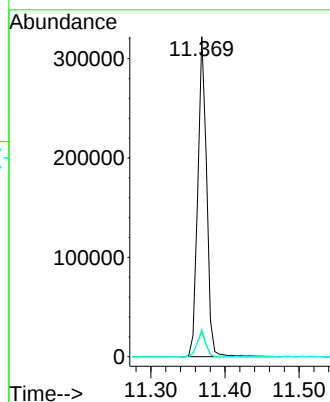
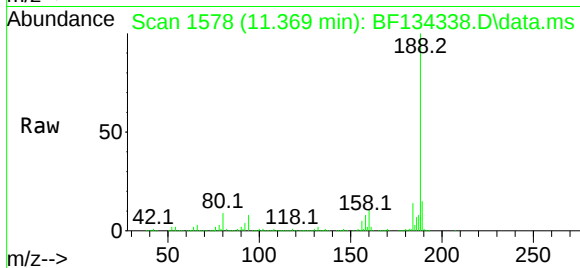
Tgt Ion:188 Resp: 266066

Ion Ratio Lower Upper

188 100

94 7.8 6.4 9.6

80 8.6 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 4.541 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

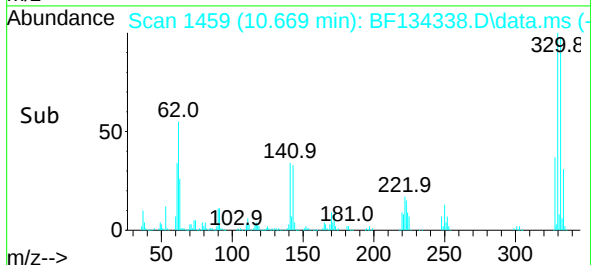
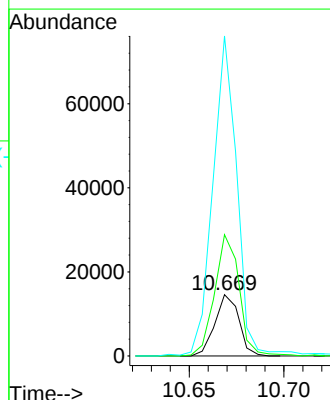
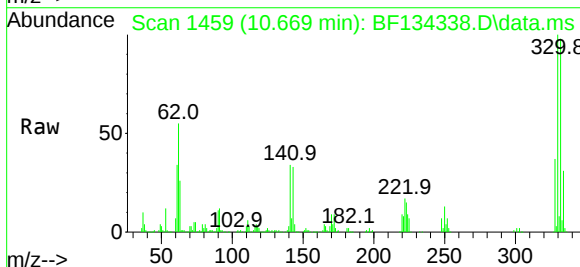
Tgt Ion:248 Resp: 12842

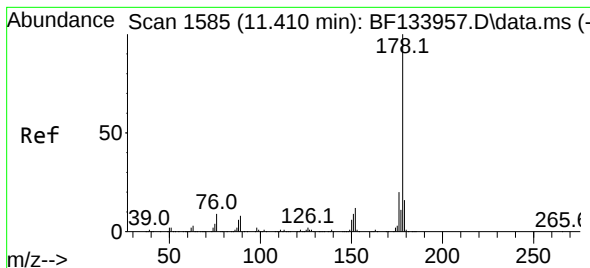
Ion Ratio Lower Upper

248 100

250 198.0 76.2 114.4#

141 522.5 59.0 88.4#





#71

Phenanthrene

Concen: 16.919 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.012 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Instrument :

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ClientSampleId :

VNJ-214

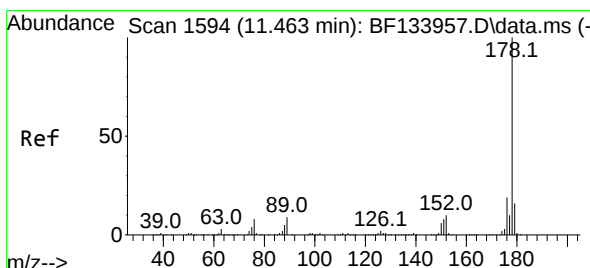
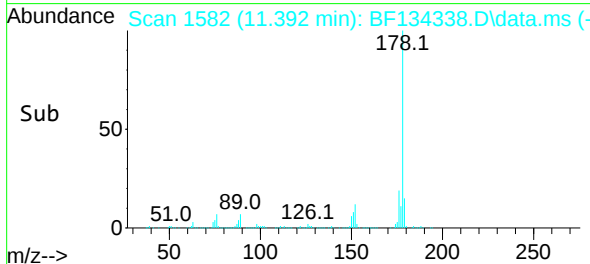
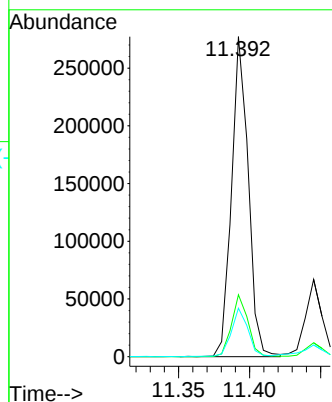
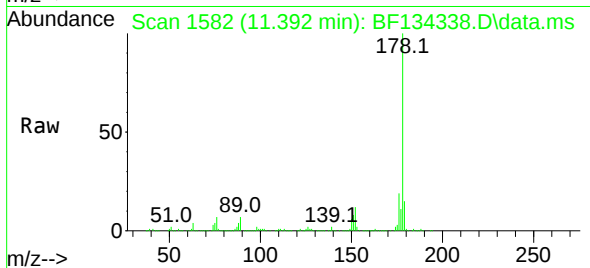
Tgt Ion:178 Resp: 226617

Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

179 15.2 12.4 18.6



#72

Anthracene

Concen: 3.741 ng

RT: 11.445 min Scan# 1591

Delta R.T. -0.012 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

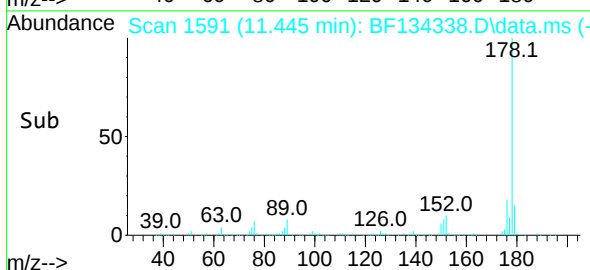
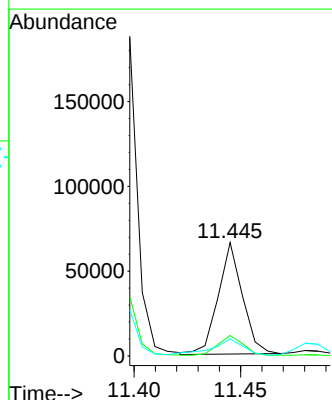
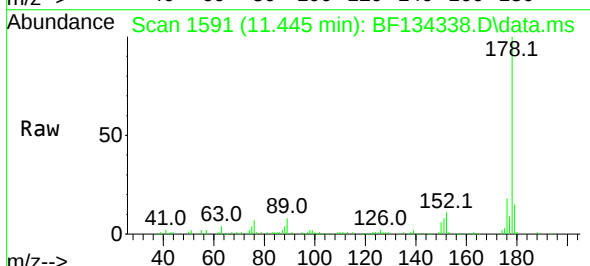
Tgt Ion:178 Resp: 52121

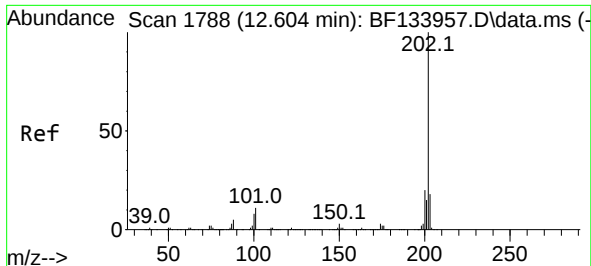
Ion Ratio Lower Upper

178 100

176 18.1 15.3 22.9

179 15.1 12.4 18.6

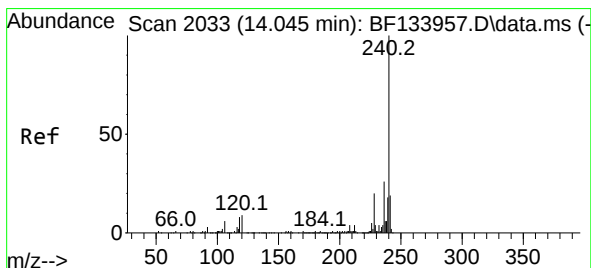
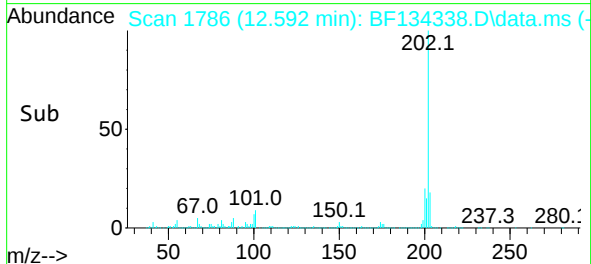
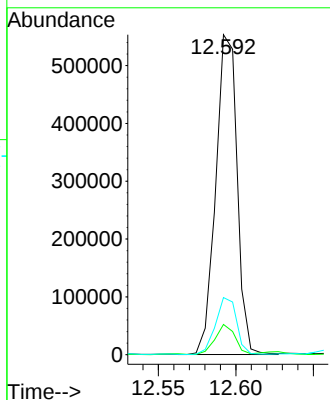
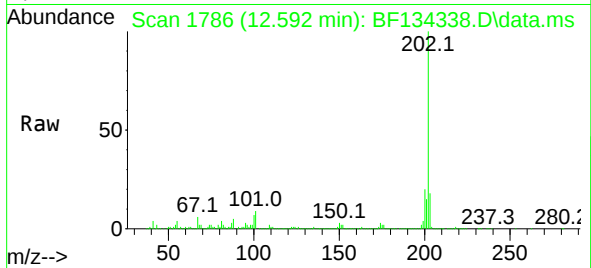




#75
Fluoranthene
Concen: 36.726 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

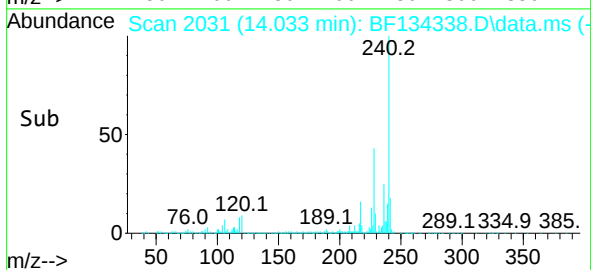
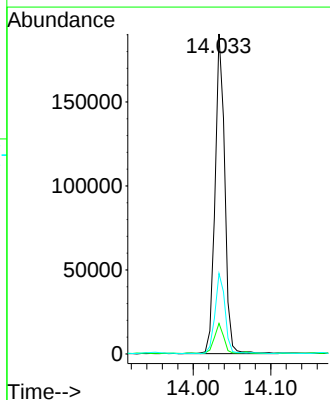
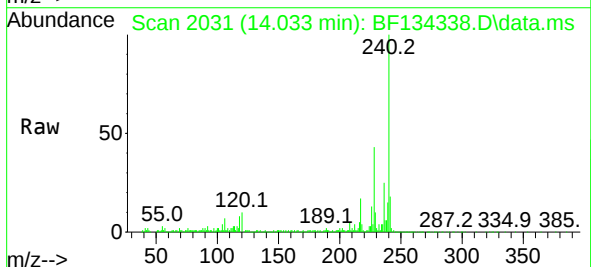
Instrument :
BNA_F
ClientSampleId :
VNJ-214

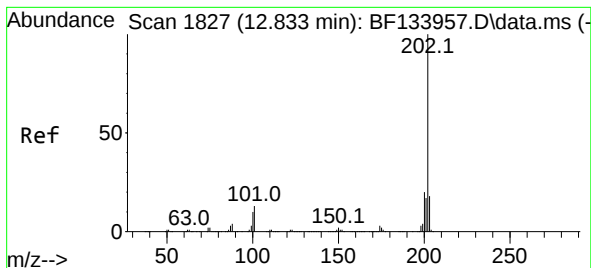
Tgt Ion:202 Resp: 531812
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.0
203 17.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

Tgt Ion:240 Resp: 165769
Ion Ratio Lower Upper
240 100
120 9.5 7.4 11.0
236 25.1 21.0 31.6





#78

Pyrene

Concen: 30.046 ng

RT: 12.827 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Instrument :

BNA_F

ClientSampleId :

VNJ-214

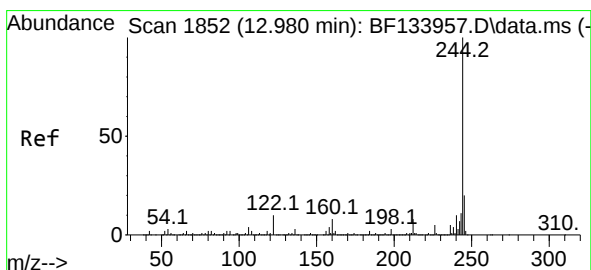
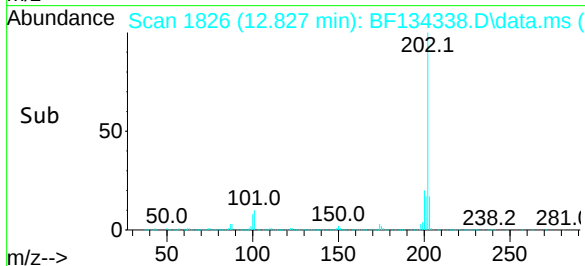
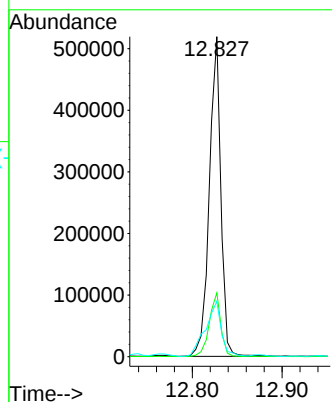
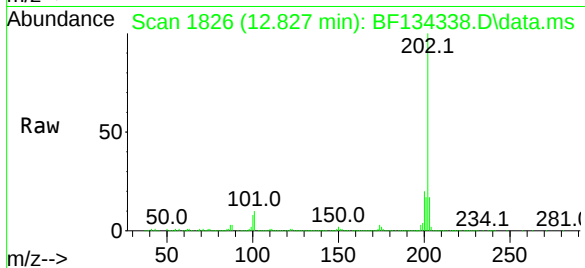
Tgt Ion:202 Resp: 463524

Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

203 17.2 14.3 21.5



#79

Terphenyl-d14

Concen: 78.876 ng

RT: 12.968 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

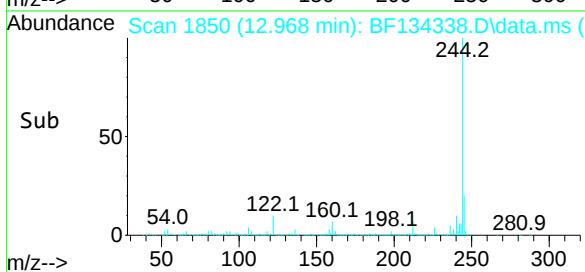
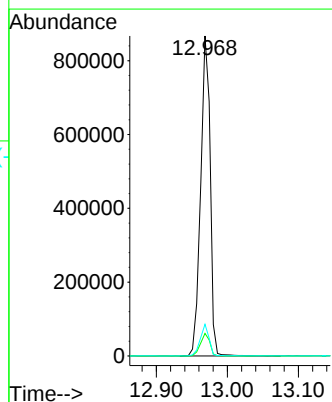
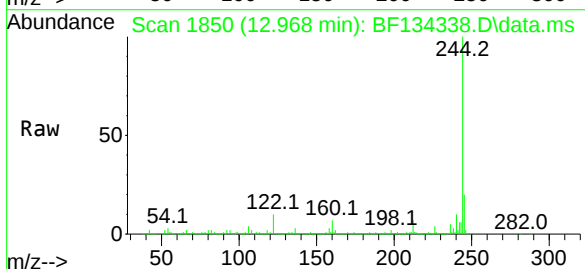
Tgt Ion:244 Resp: 812415

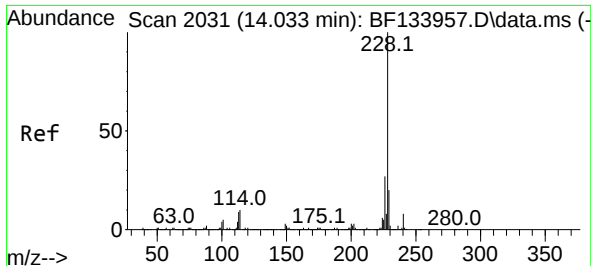
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.9 8.3 12.5

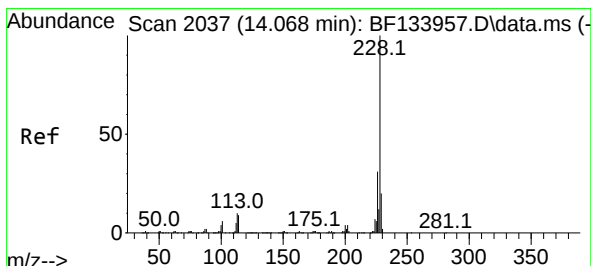
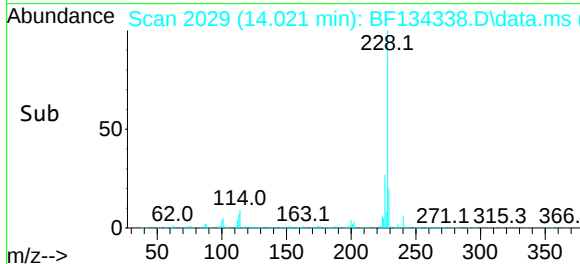
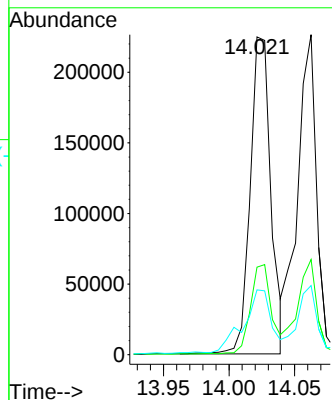
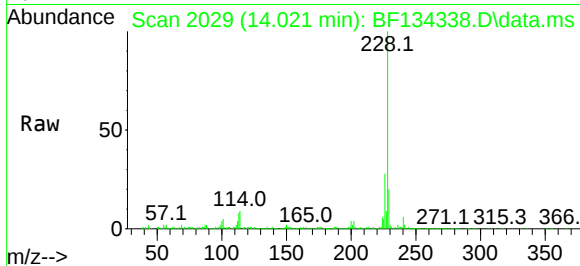




#81
Benzo(a)anthracene
Concen: 21.448 ng
RT: 14.021 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

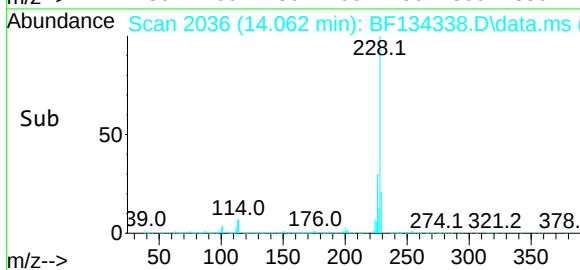
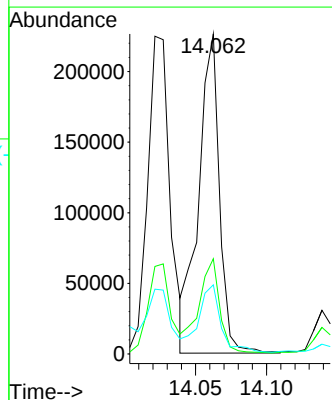
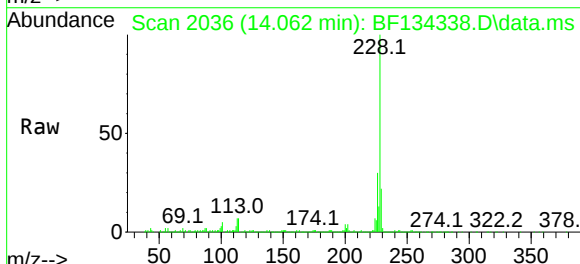
Instrument :
BNA_F
ClientSampleId :
VNJ-214

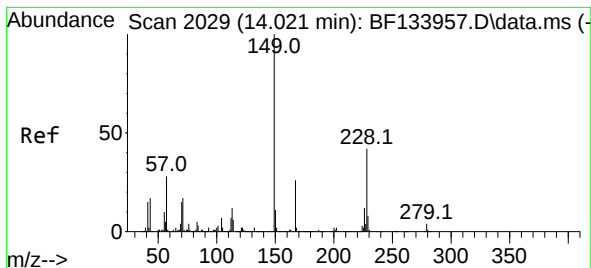
Tgt Ion:228 Resp: 246572
Ion Ratio Lower Upper
228 100
226 27.5 22.0 33.0
229 20.4 16.3 24.5



#83
Chrysene
Concen: 20.776 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF134338.D
Acq: 18 Jul 2023 15:09

Tgt Ion:228 Resp: 231341
Ion Ratio Lower Upper
228 100
226 29.8 24.4 36.6
229 21.6 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.204 ng

RT: 14.004 min Scan# 2029

Delta R.T. -0.012 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Instrument :

BNA_F

ClientSampleId :

VNJ-214

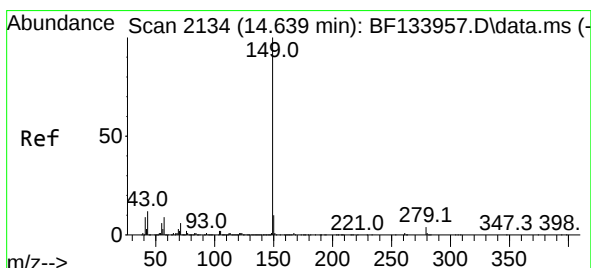
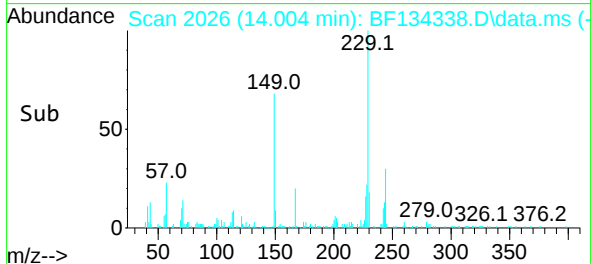
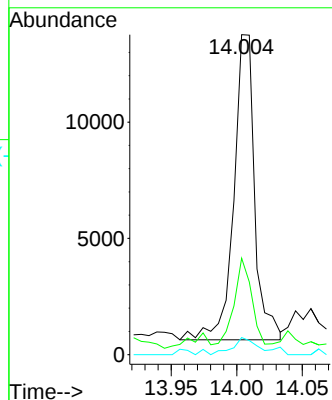
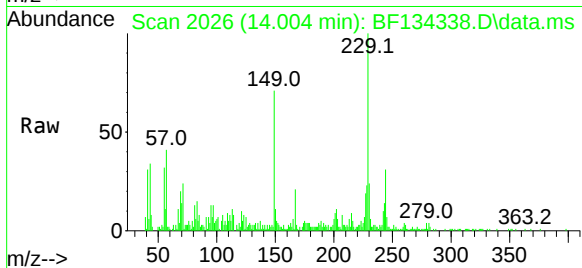
Tgt Ion:149 Resp: 14655

Ion Ratio Lower Upper

149 100

167 30.1 21.0 31.4

279 5.3 3.3 4.9#



#85

Di-n-octyl phthalate

Concen: 3.297 ng

RT: 14.627 min Scan# 2132

Delta R.T. -0.006 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

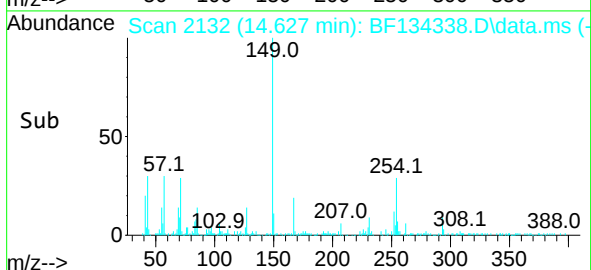
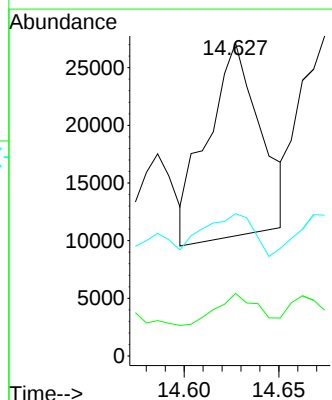
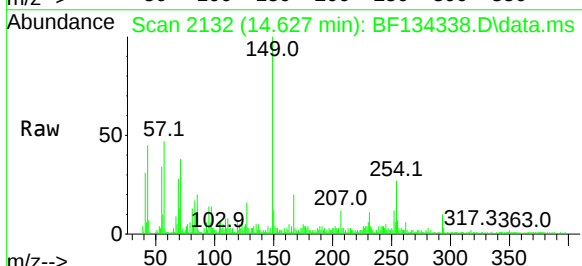
Tgt Ion:149 Resp: 32210

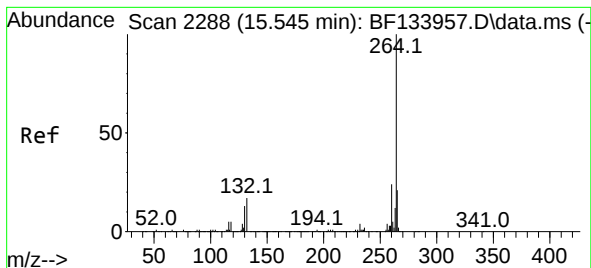
Ion Ratio Lower Upper

149 100

167 27.3 1.3 1.9#

43 29.8 9.0 13.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Instrument :

BNA_F

ClientSampleId :

VNJ-214

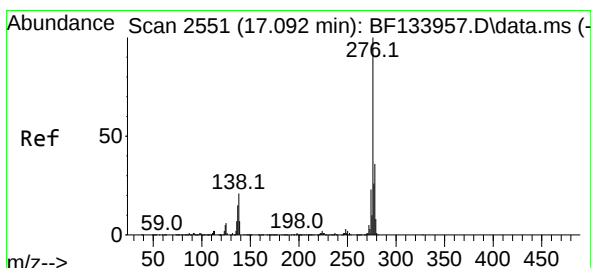
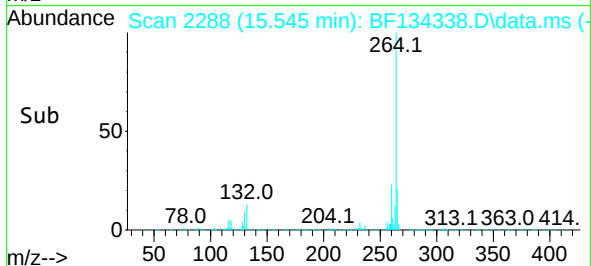
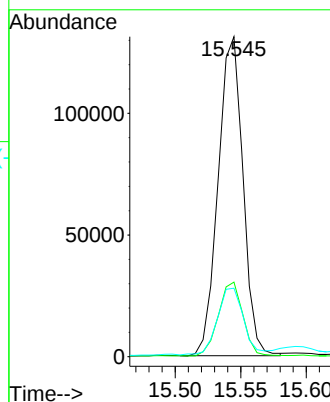
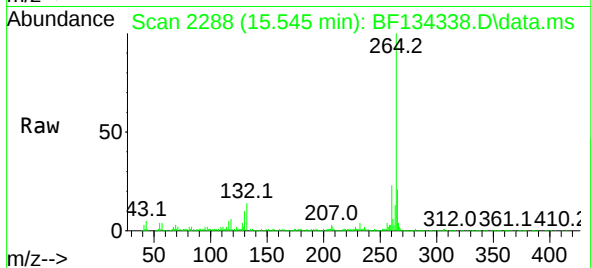
Tgt Ion:264 Resp: 172397

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 21.4 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.596 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.012 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

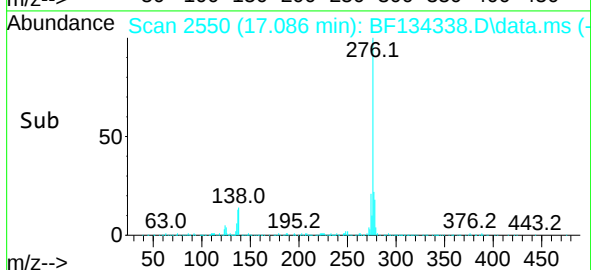
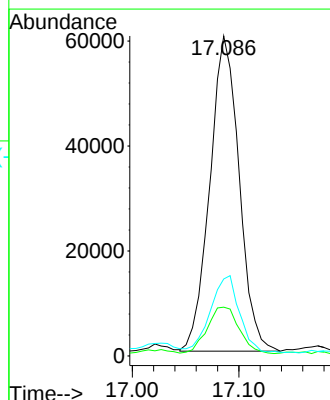
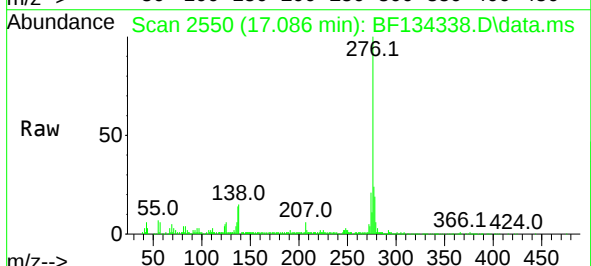
Tgt Ion:276 Resp: 114792

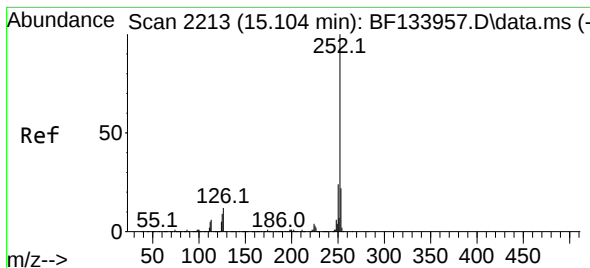
Ion Ratio Lower Upper

276 100

138 16.1 18.7 28.1#

277 24.4 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 38.363 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Instrument :

BNA_F

ClientSampleId :

VNJ-214

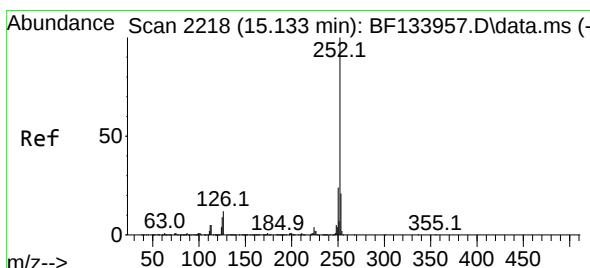
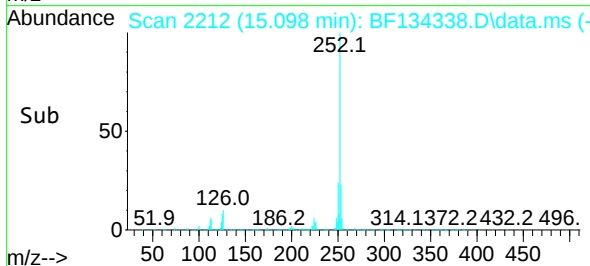
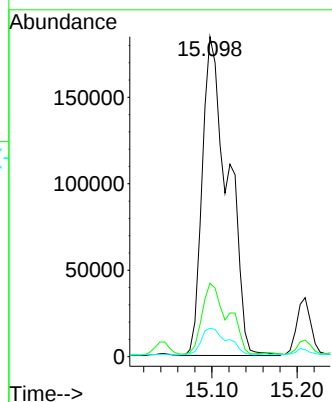
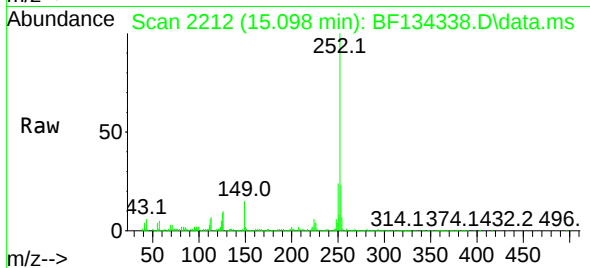
Tgt Ion:252 Resp: 388890

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 8.9 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 37.679 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.035 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

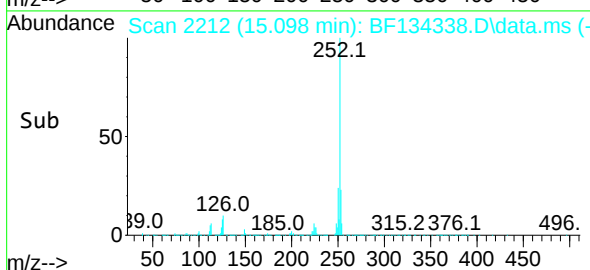
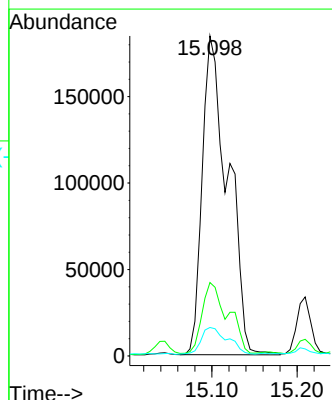
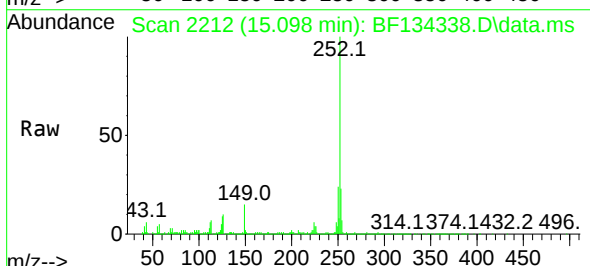
Tgt Ion:252 Resp: 388890

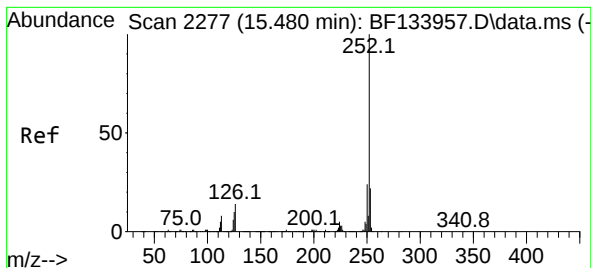
Ion Ratio Lower Upper

252 100

253 23.0 16.9 25.3

125 8.9 7.4 11.2





#90

Benzo(a)pyrene

Concen: 13.794 ng

RT: 15.409 min Scan# 21

Delta R.T. -0.071 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Instrument :

BNA_F

ClientSampleId :

VNJ-214

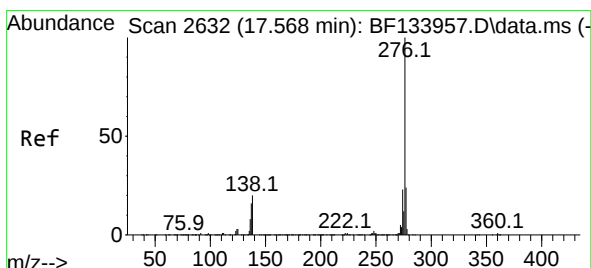
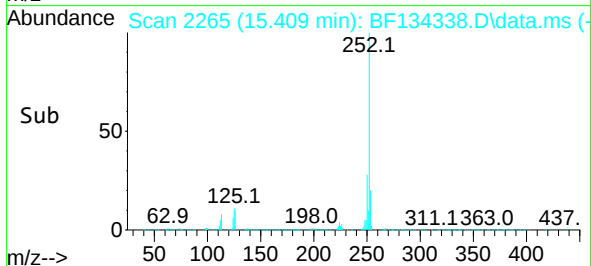
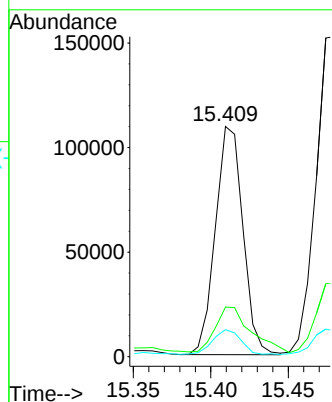
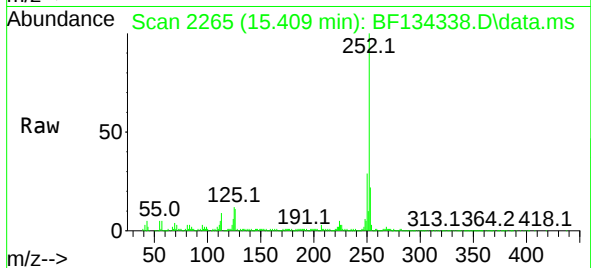
Tgt Ion:252 Resp: 135210

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

125 11.7 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 10.690 ng

RT: 17.562 min Scan# 2631

Delta R.T. -0.006 min

Lab File: BF134338.D

Acq: 18 Jul 2023 15:09

Tgt Ion:276 Resp: 107714

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.6

138 17.4 16.2 24.2

