

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
 Data File : BF138320.D
 Acq On : 24 Jun 2024 20:12
 Operator : CG\JU
 Sample : P23009-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204

Quant Time: Jun 25 01:17:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

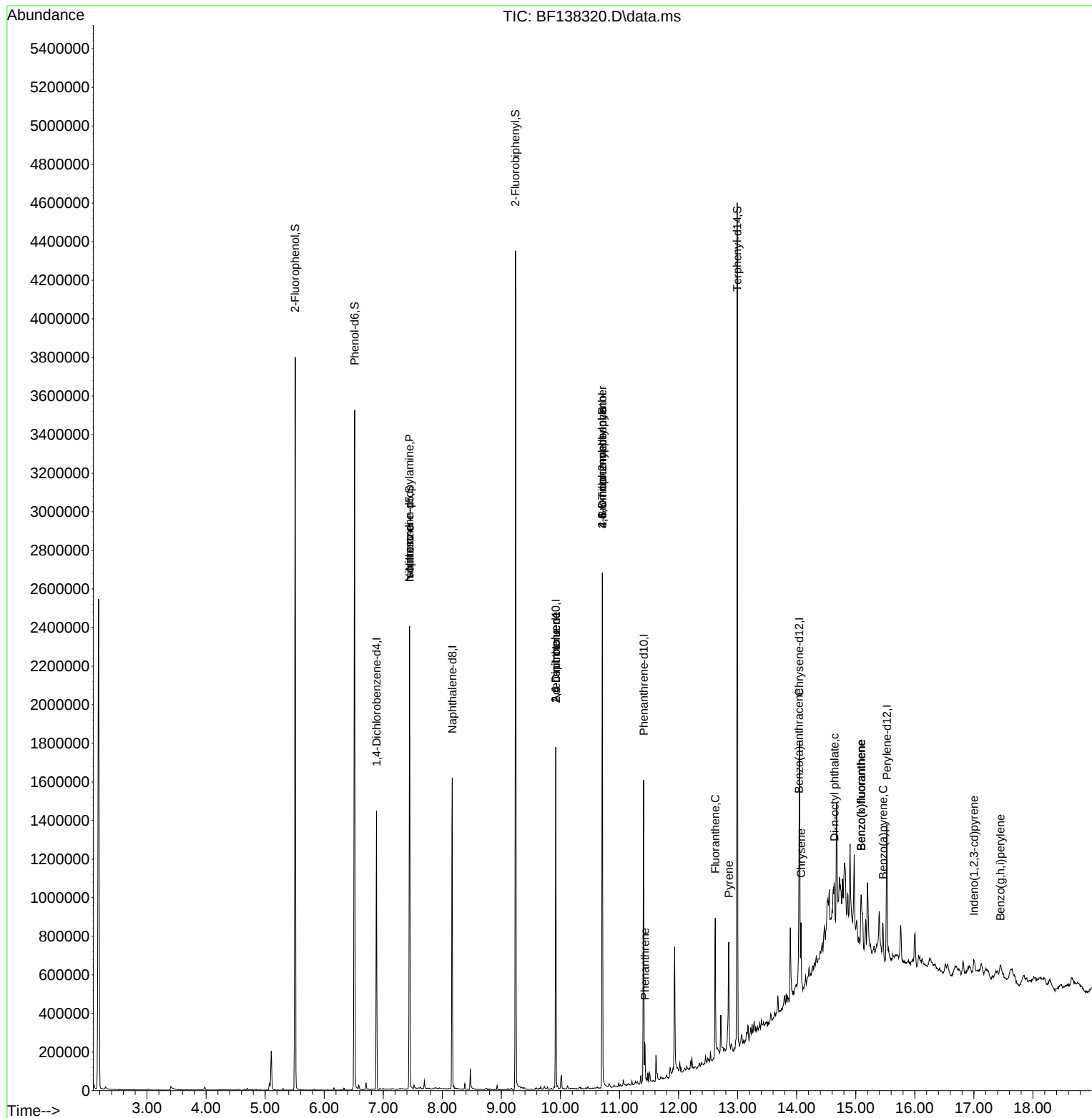
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	197945	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	683446	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	321090	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	557044	20.000	ng	0.00
76) Chrysene-d12	14.045	240	396520	20.000	ng	0.00
86) Perylene-d12	15.527	264	337469	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1054145	89.085	ng	0.00
7) Phenol-d6	6.516	99	1234582	82.280	ng	0.00
23) Nitrobenzene-d5	7.445	82	718701	61.219	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	309027	96.676	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1350760	66.894	ng	-0.01
79) Terphenyl-d14	12.992	244	1575262	62.921	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	95315	10.717	ng	# 76
25) Isophorone	7.445	82	715310	33.686	ng	# 62
51) 2,6-Dinitrotoluene	9.922	165	42872	10.045	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	42872	8.144	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.710	198	707	7.147	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	19080	3.040	ng	# 1
71) Phenanthrene	11.433	178	71946	2.612	ng	96
75) Fluoranthene	12.621	202	269069	9.578	ng	98
78) Pyrene	12.851	202	237276	6.937	ng	97
81) Benzo(a)anthracene	14.039	228	121359	4.771	ng	98
83) Chrysene	14.074	228	147582	6.086	ng	98
85) Di-n-octyl phthalate	14.639	149	160820	10.005	ng	# 63
87) Indeno(1,2,3-cd)pyrene	17.003	276	62674	2.849	ng	94
88) Benzo(b)fluoranthene	15.092	252	232224	11.669	ng	# 94
89) Benzo(k)fluoranthene	15.092	252	232224	11.907	ng	# 95
90) Benzo(a)pyrene	15.462	252	93087	5.445	ng	# 95
92) Benzo(g,h,i)perylene	17.450	276	55111	2.950	ng	93

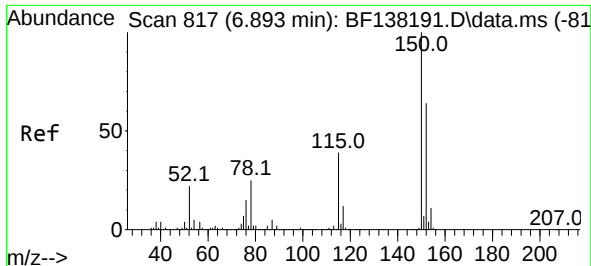
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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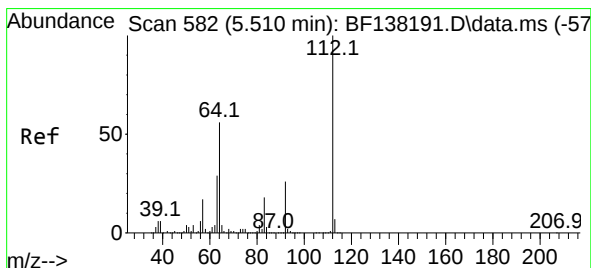
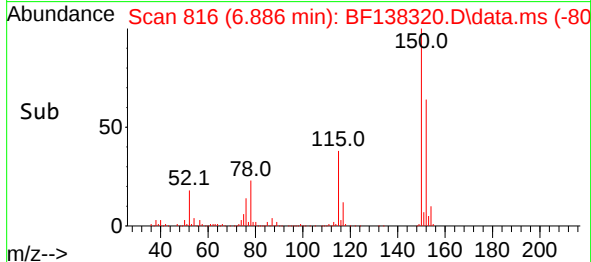
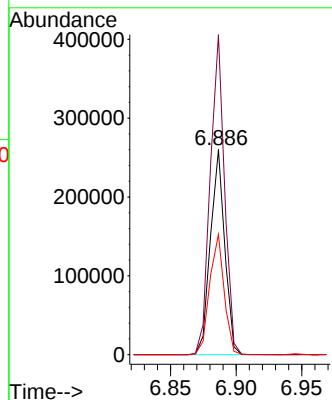
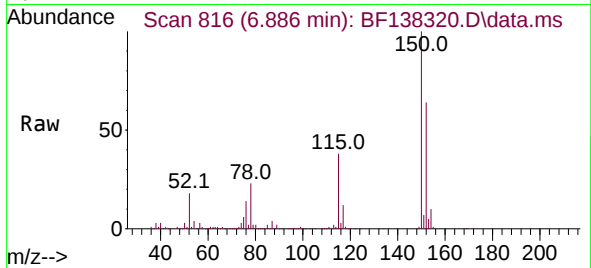




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 817
Delta R.T. -0.007 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

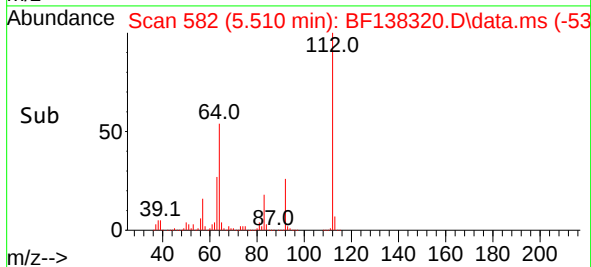
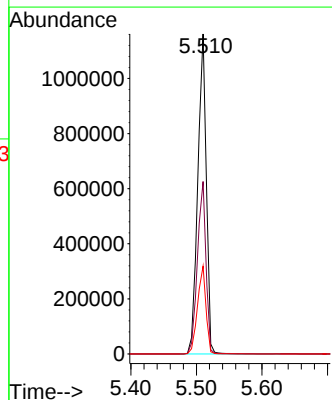
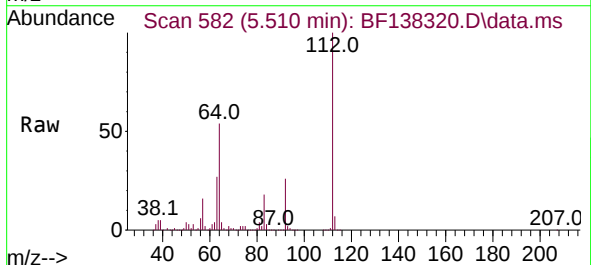
Instrument :
BNA_F
ClientSampleId :
VNJ-204

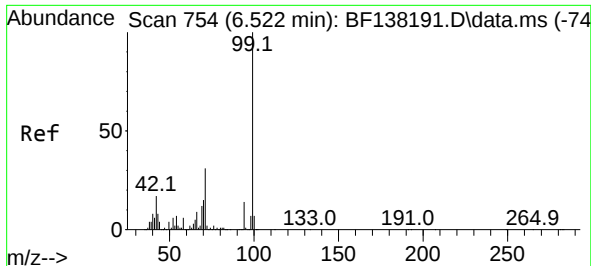
Tgt Ion:152 Resp: 197945
Ion Ratio Lower Upper
152 100
150 156.1 125.0 187.4
115 58.6 48.4 72.6



#5
2-Fluorophenol
Concen: 89.085 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

Tgt Ion:112 Resp: 1054145
Ion Ratio Lower Upper
112 100
64 53.9 45.2 67.8
63 27.5 22.9 34.3

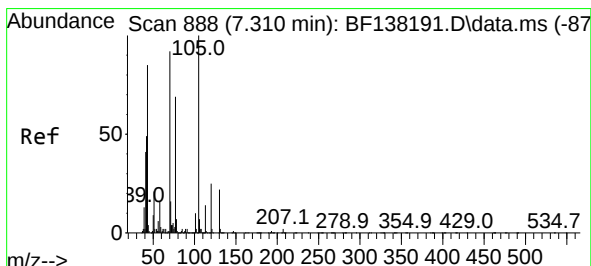
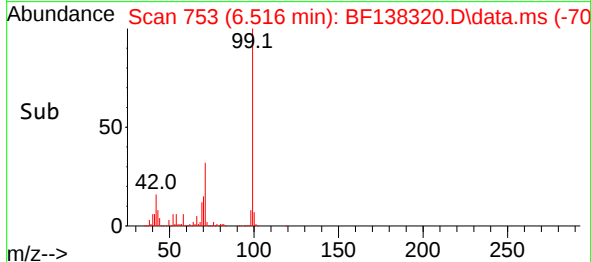
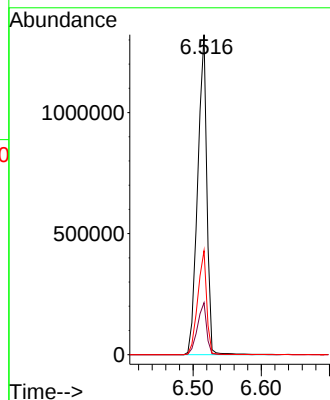
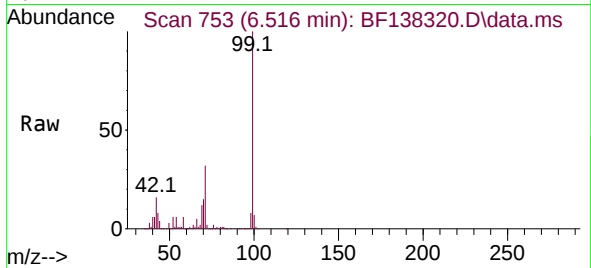




#7
Phenol-d6
Concen: 82.280 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

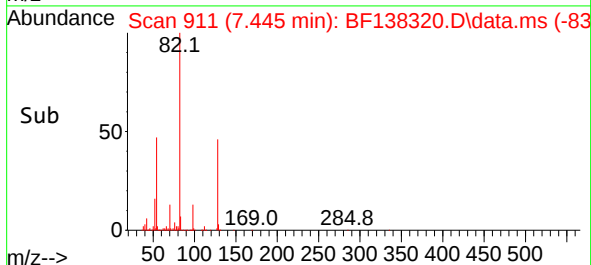
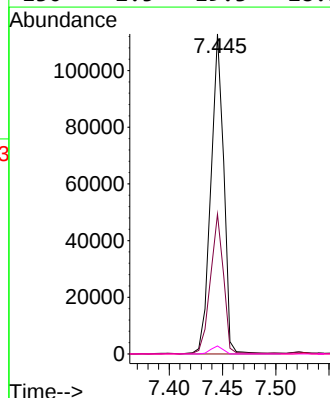
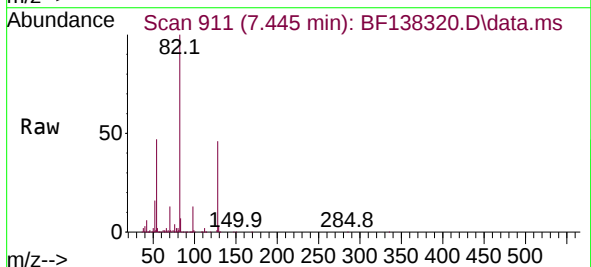
Instrument :
BNA_F
ClientSampleId :
VNJ-204

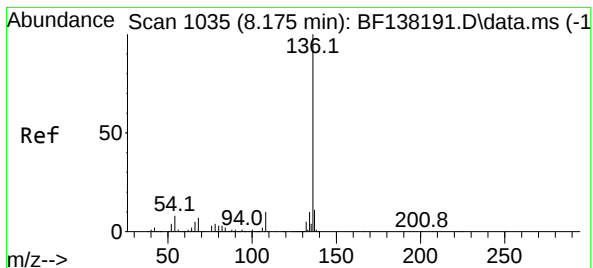
Tgt Ion: 99 Resp: 1234582
Ion Ratio Lower Upper
99 100
42 16.3 13.7 20.5
71 32.5 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.717 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.135 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

Tgt Ion: 70 Resp: 95315
Ion Ratio Lower Upper
70 100
42 43.7 42.8 64.2
101 0.0 8.4 12.6#
130 2.5 19.3 28.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

Instrument :

BNA_F

ClientSampleId :

VNJ-204

Tgt Ion:136 Resp: 683446

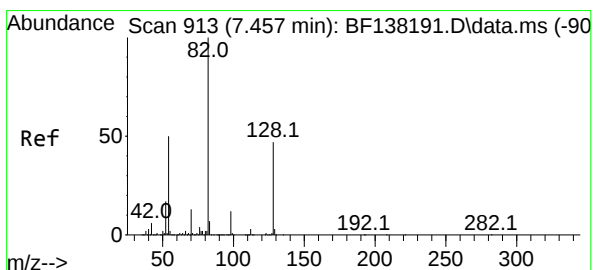
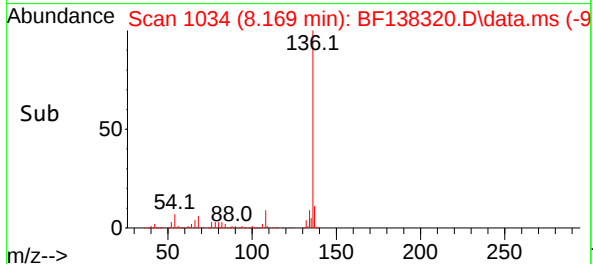
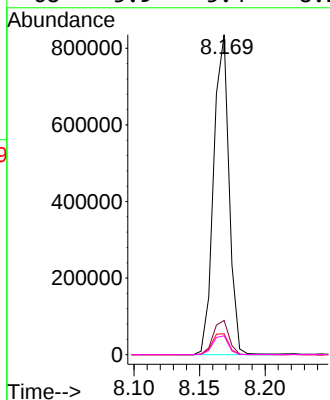
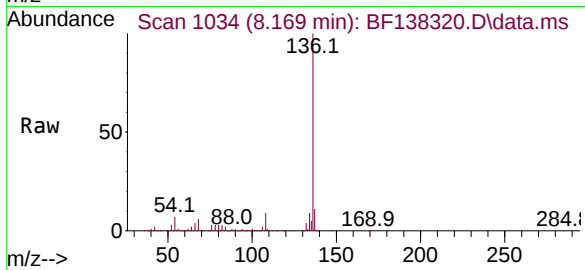
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 6.6 6.6 10.0#

68 5.9 5.4 8.2



#23

Nitrobenzene-d5

Concen: 61.219 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

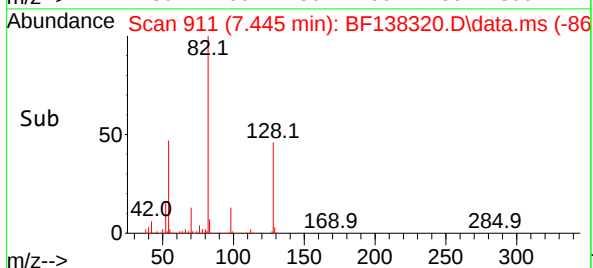
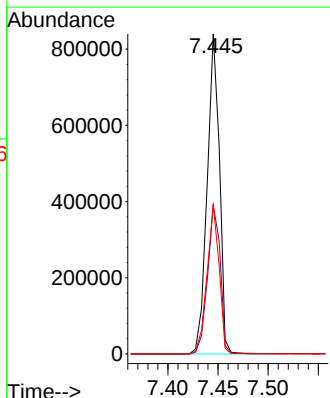
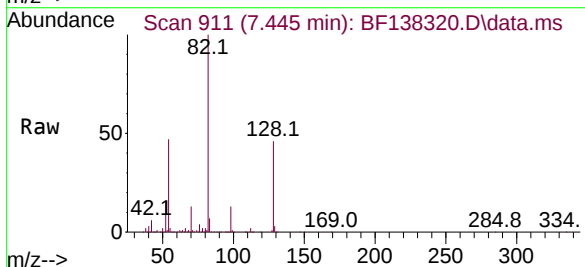
Tgt Ion: 82 Resp: 718701

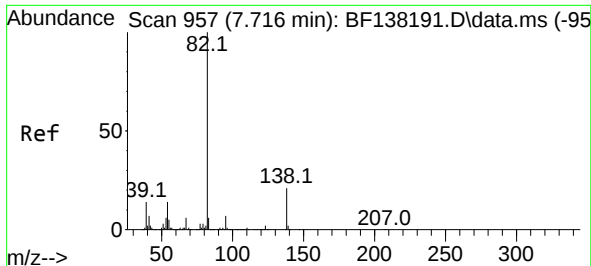
Ion Ratio Lower Upper

82 100

128 46.5 37.2 55.8

54 46.7 39.8 59.6

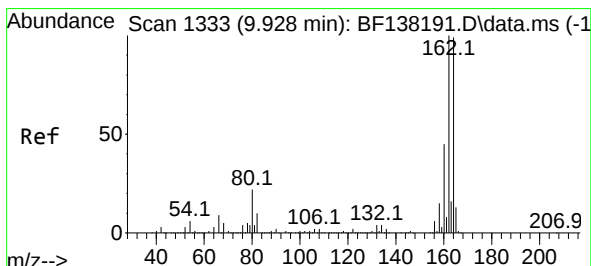
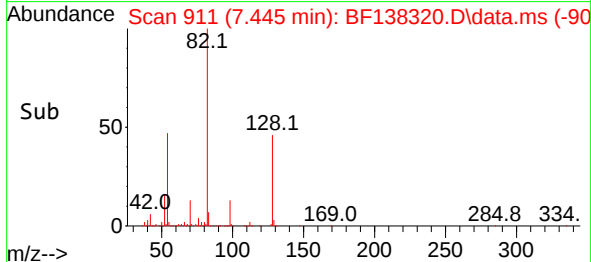
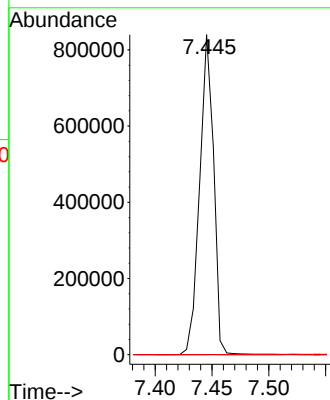
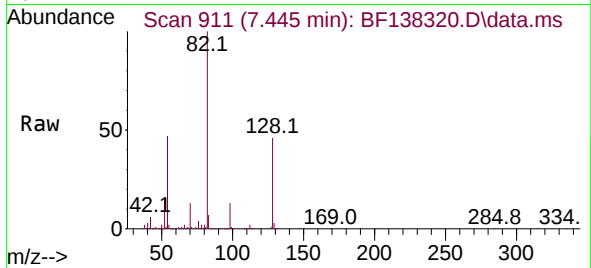




#25
Isophorone
Concen: 33.686 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.271 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

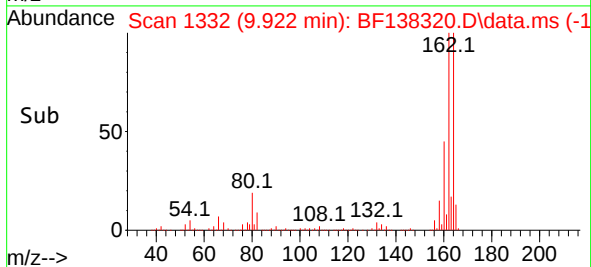
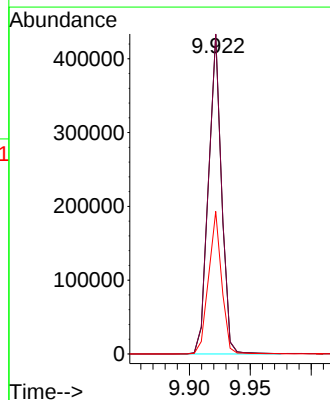
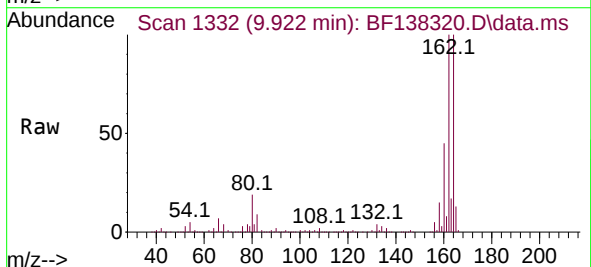
Instrument :
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ClientSampleId :
VNJ-204

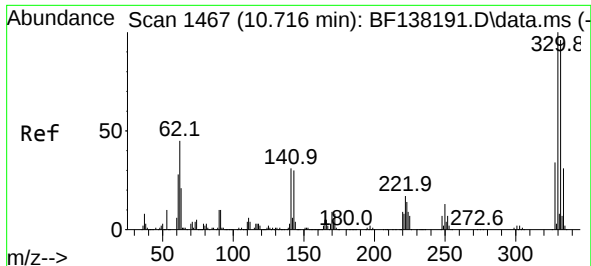
Tgt Ion: 82 Resp: 715310
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

Tgt Ion: 164 Resp: 321090
Ion Ratio Lower Upper
164 100
162 100.2 80.6 121.0
160 44.6 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 96.676 ng

RT: 10.710 min Scan# 1467

Delta R.T. -0.006 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

Instrument :

BNA_F

ClientSampleId :

VNJ-204

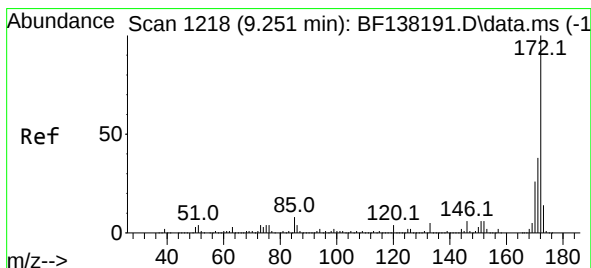
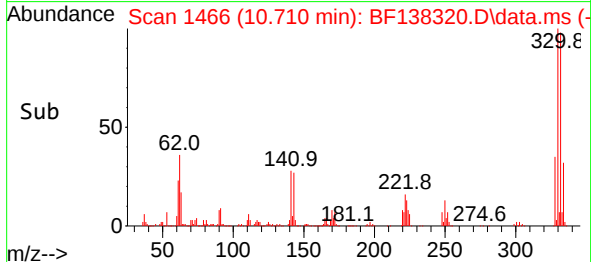
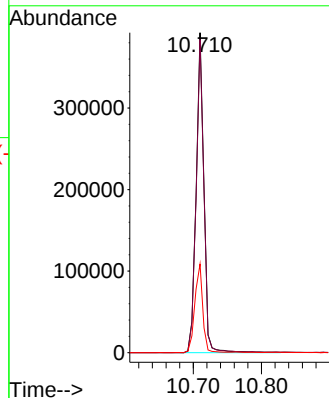
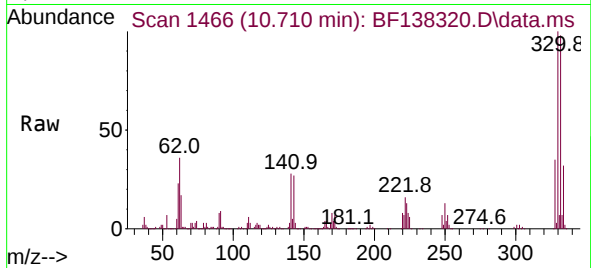
Tgt Ion:330 Resp: 309027

Ion Ratio Lower Upper

330 100

332 97.8 76.6 115.0

141 28.4 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 66.894 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

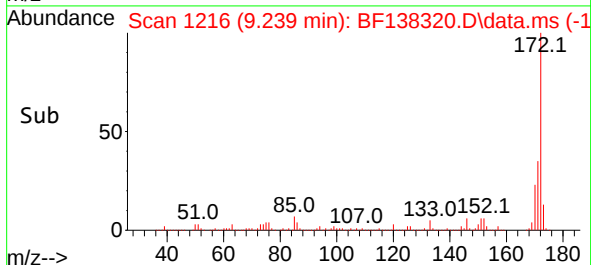
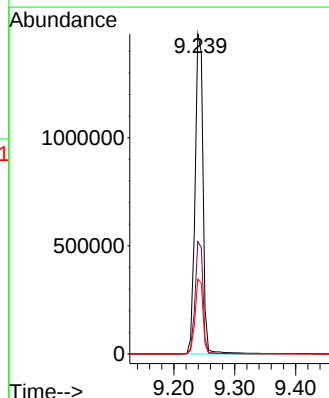
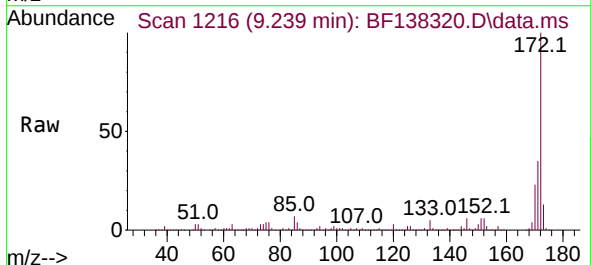
Tgt Ion:172 Resp: 1350760

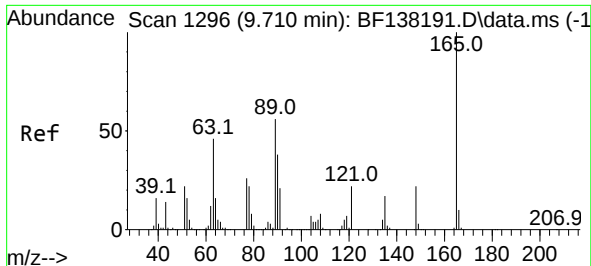
Ion Ratio Lower Upper

172 100

171 35.1 30.3 45.5

170 23.4 20.6 30.8

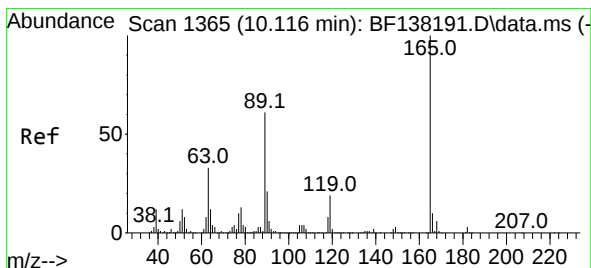
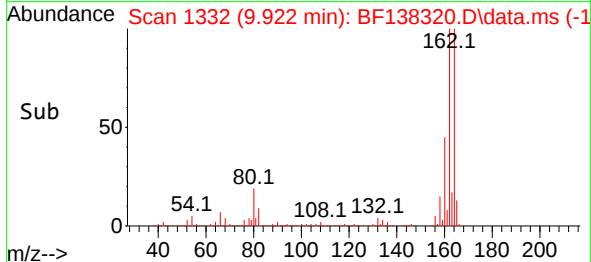
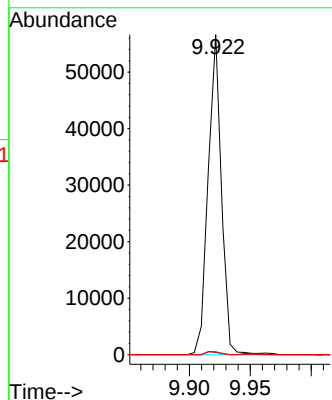
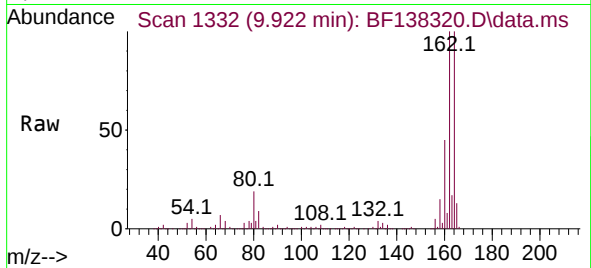




#51
2,6-Dinitrotoluene
Concen: 10.045 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.212 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

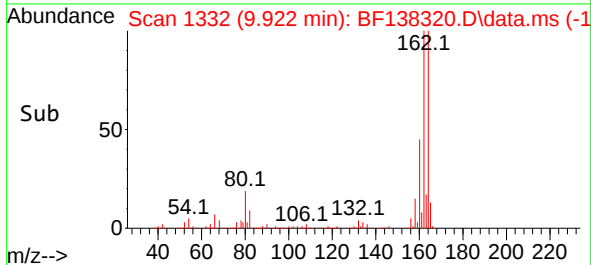
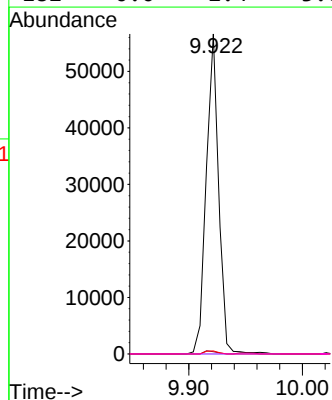
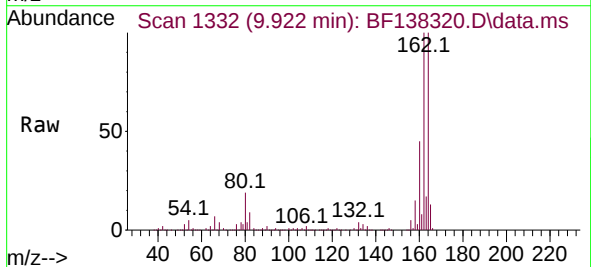
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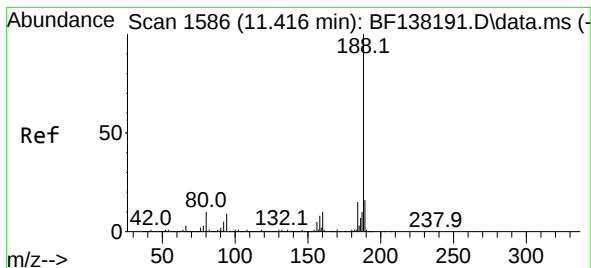
Tgt Ion:165 Resp: 42872
Ion Ratio Lower Upper
165 100
63 0.7 43.7 65.5#
89 0.9 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 8.144 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.194 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

Tgt Ion:165 Resp: 42872
Ion Ratio Lower Upper
165 100
63 0.7 26.6 39.8#
89 0.9 48.7 73.1#
182 0.0 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

Instrument :

BNA_F

ClientSampleId :

VNJ-204

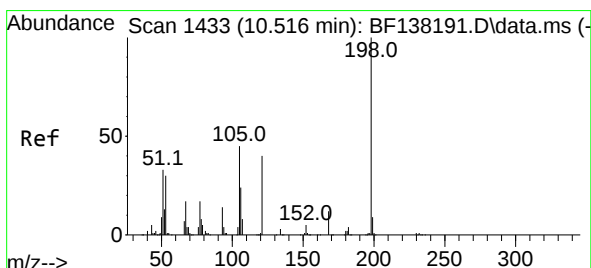
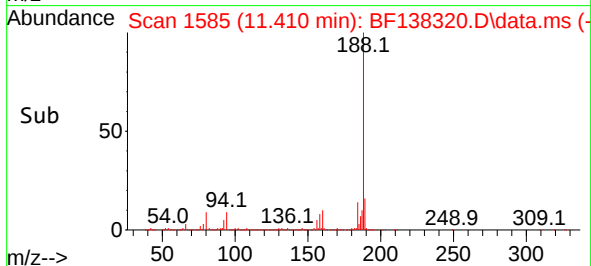
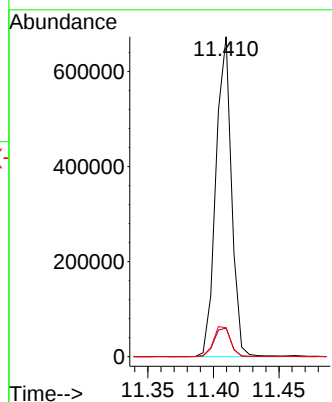
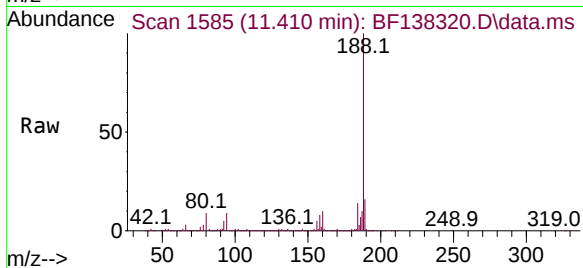
Tgt Ion:188 Resp: 557044

Ion Ratio Lower Upper

188 100

94 8.9 7.6 11.4

80 9.1 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.147 ng

RT: 10.710 min Scan# 1466

Delta R.T. 0.194 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

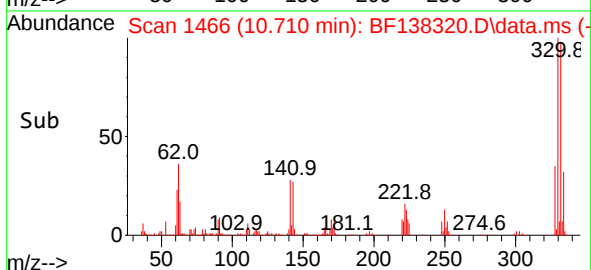
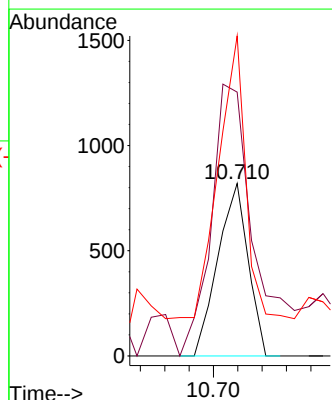
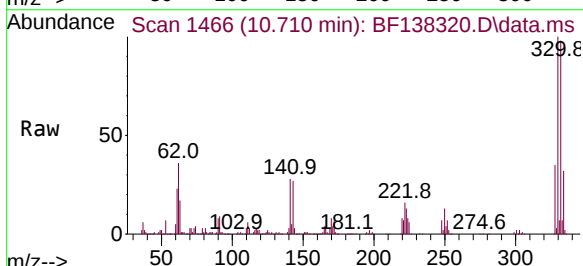
Tgt Ion:198 Resp: 707

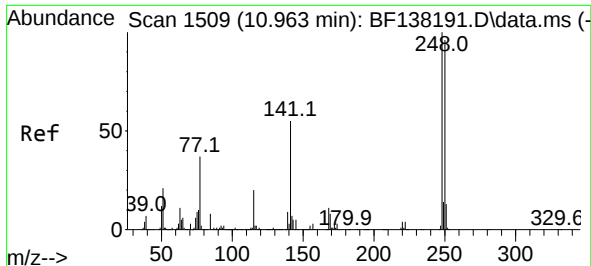
Ion Ratio Lower Upper

198 100

51 152.9 26.9 66.9#

105 185.5 26.0 66.0#

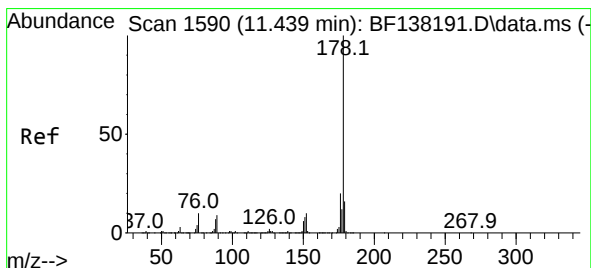
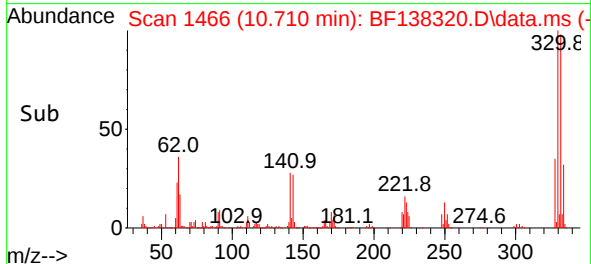
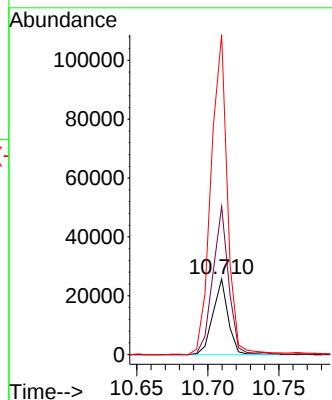
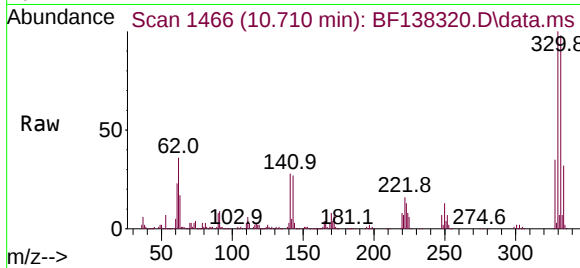




#67
4-Bromophenyl-phenylether
Concen: 3.040 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.253 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

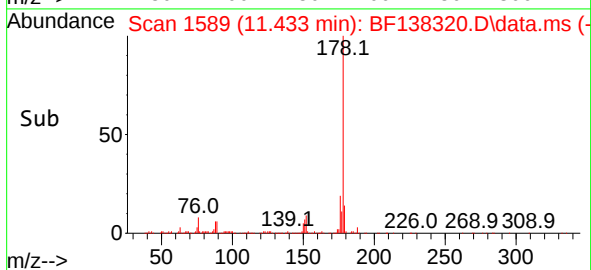
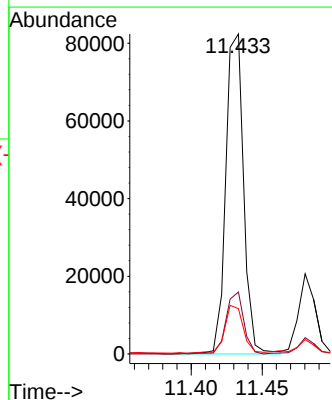
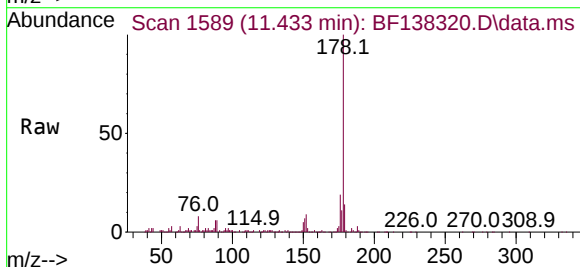
Instrument :
BNA_F
ClientSampleId :
VNJ-204

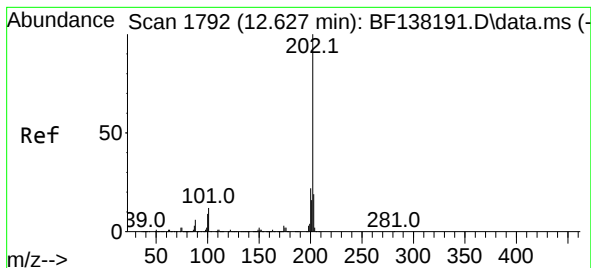
Tgt Ion:248 Resp: 19080
Ion Ratio Lower Upper
248 100
250 195.7 77.2 115.8#
141 422.6 44.1 66.1#



#71
Phenanthrene
Concen: 2.612 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

Tgt Ion:178 Resp: 71946
Ion Ratio Lower Upper
178 100
176 19.4 16.4 24.6
179 14.2 13.1 19.7





#75

Fluoranthene

Concen: 9.578 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

Instrument :

BNA_F

ClientSampleId :

VNJ-204

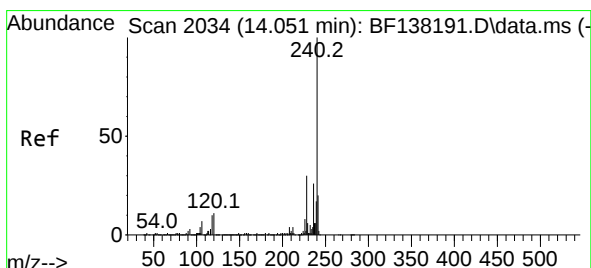
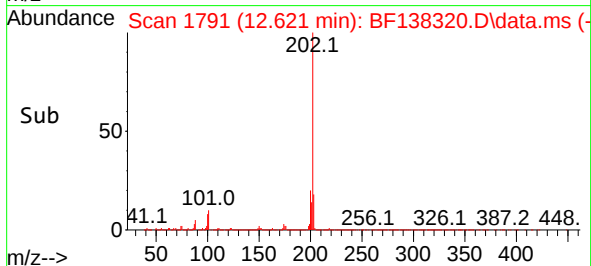
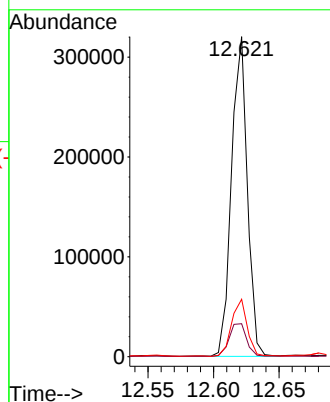
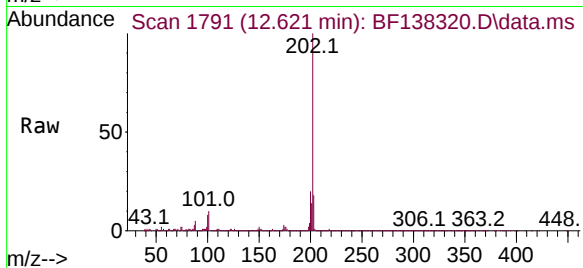
Tgt Ion:202 Resp: 269069

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.8

203 18.0 0.0 38.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

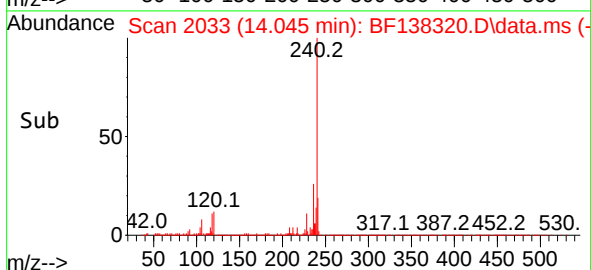
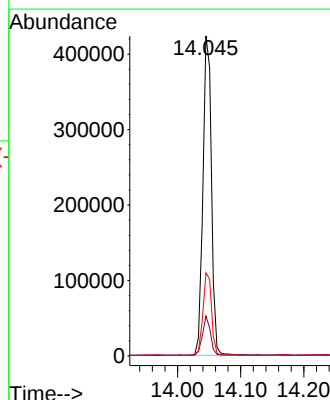
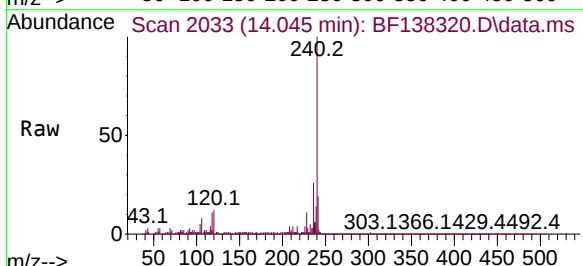
Tgt Ion:240 Resp: 396520

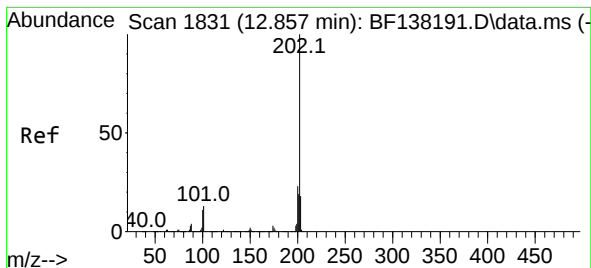
Ion Ratio Lower Upper

240 100

120 12.5 9.2 13.8

236 26.0 21.0 31.6





#78

Pyrene

Concen: 6.937 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

Instrument :

BNA_F

ClientSampleId :

VNJ-204

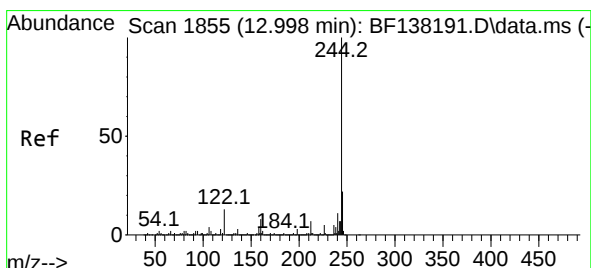
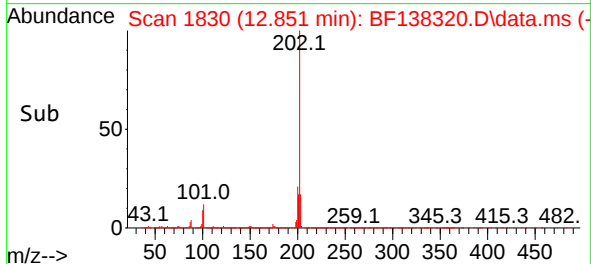
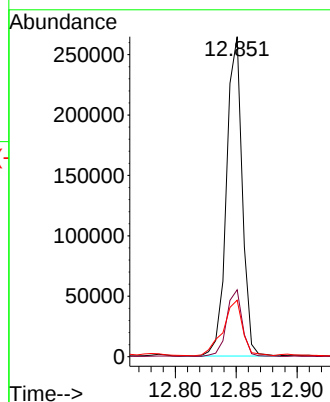
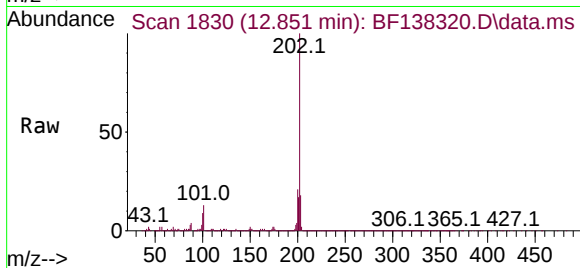
Tgt Ion:202 Resp: 237276

Ion Ratio Lower Upper

202 100

200 20.9 18.0 27.0

203 17.6 14.7 22.1



#79

Terphenyl-d14

Concen: 62.921 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

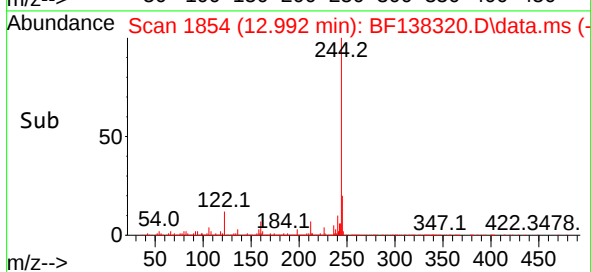
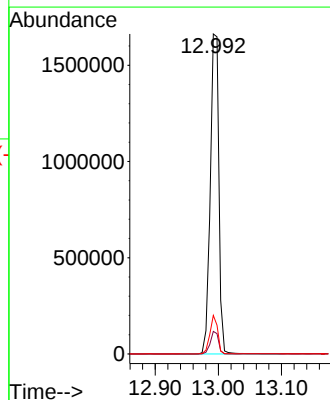
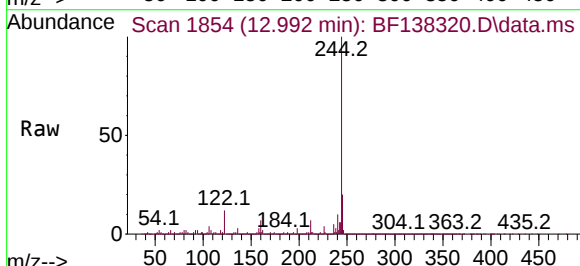
Tgt Ion:244 Resp: 1575262

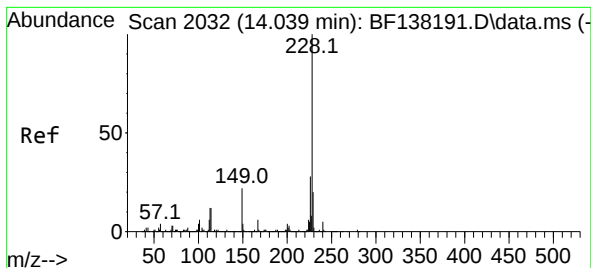
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 12.0 10.6 15.8





#81

Benzo(a)anthracene

Concen: 4.771 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

Instrument :

BNA_F

ClientSampleId :

VNJ-204

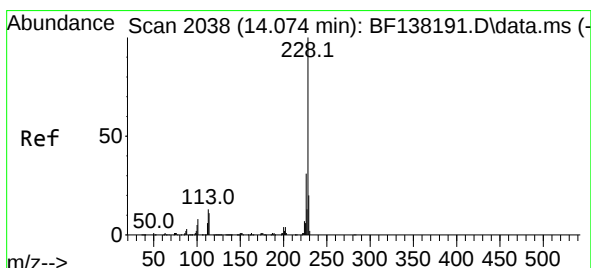
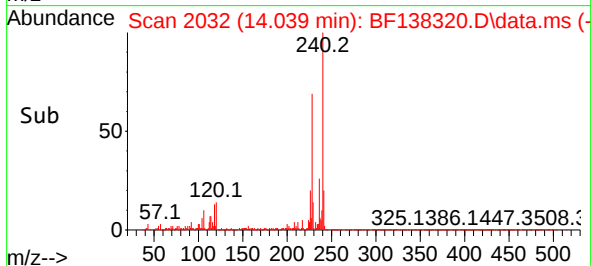
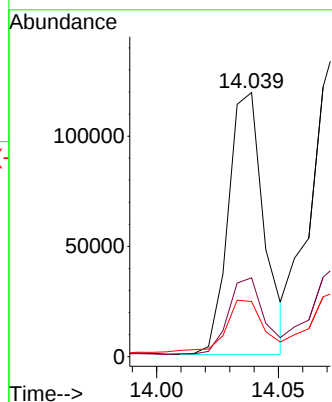
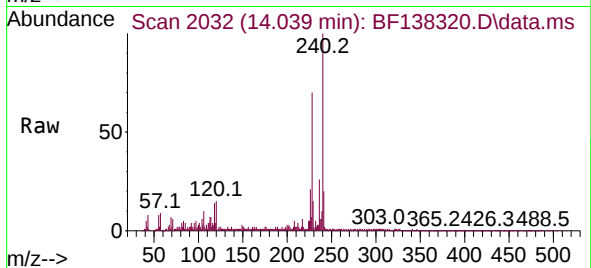
Tgt Ion:228 Resp: 121359

Ion Ratio Lower Upper

228 100

226 29.9 22.5 33.7

229 20.9 16.3 24.5



#83

Chrysene

Concen: 6.086 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

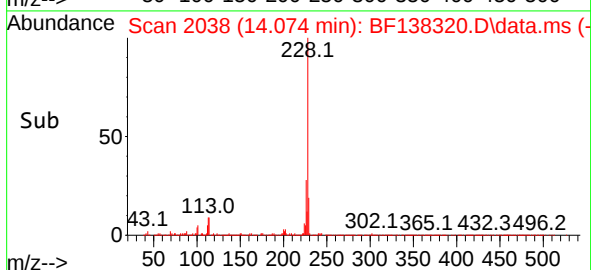
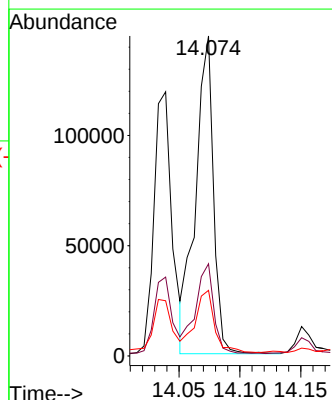
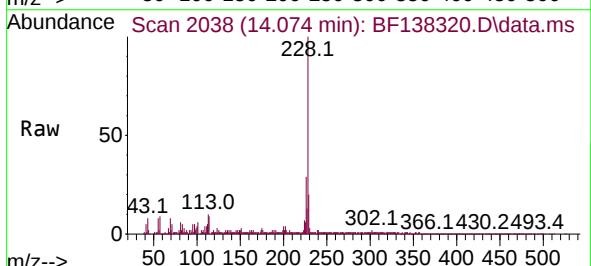
Tgt Ion:228 Resp: 147582

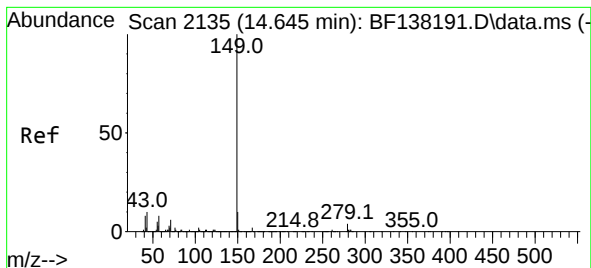
Ion Ratio Lower Upper

228 100

226 28.8 24.5 36.7

229 20.5 16.3 24.5





#85

Di-n-octyl phthalate

Concen: 10.005 ng

RT: 14.639 min Scan# 2134

Delta R.T. -0.006 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

Instrument :

BNA_F

ClientSampleId :

VNJ-204

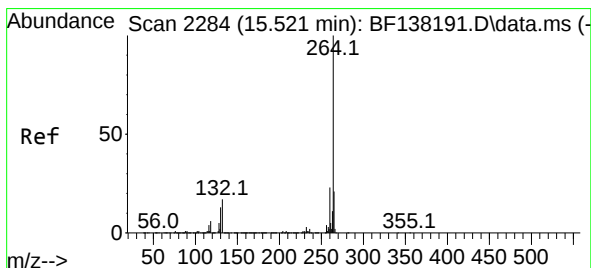
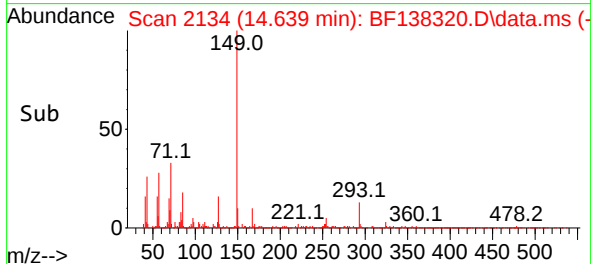
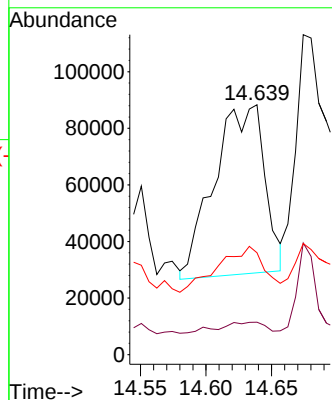
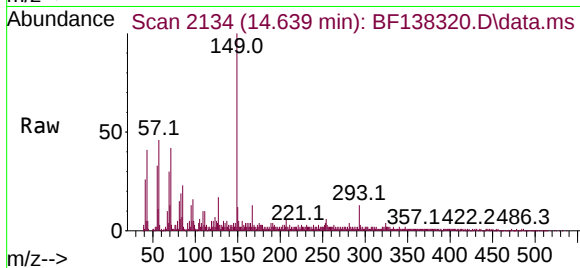
Tgt Ion:149 Resp: 160820

Ion Ratio Lower Upper

149 100

167 9.1 1.3 1.9#

43 24.5 7.8 11.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2285

Delta R.T. 0.006 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

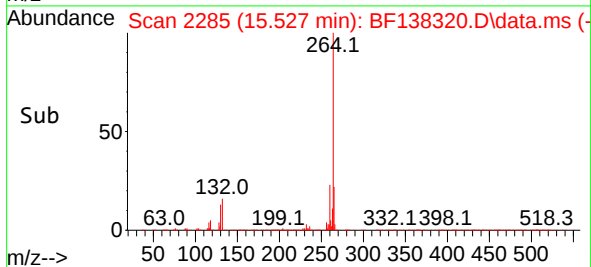
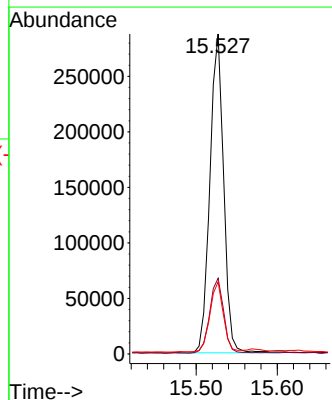
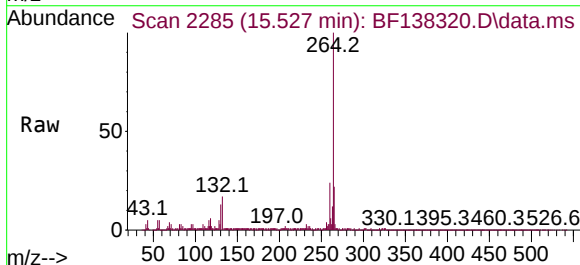
Tgt Ion:264 Resp: 337469

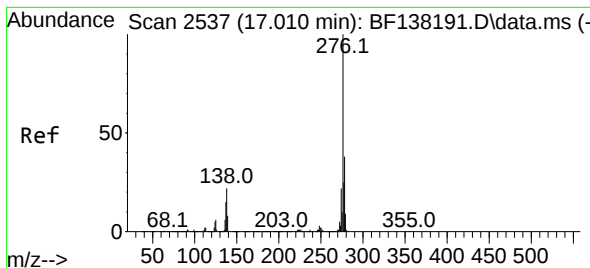
Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 22.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.849 ng

RT: 17.003 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

Instrument :

BNA_F

ClientSampleId :

VNJ-204

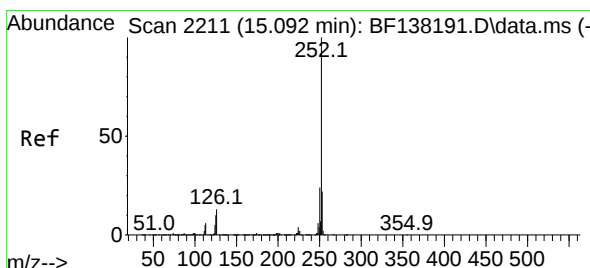
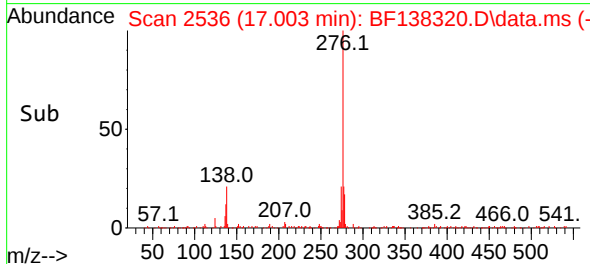
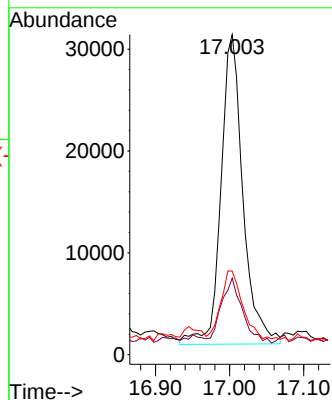
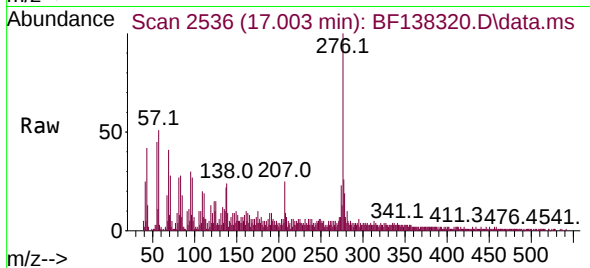
Tgt Ion:276 Resp: 62674

Ion Ratio Lower Upper

276 100

138 20.1 19.3 28.9

277 23.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 11.669 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

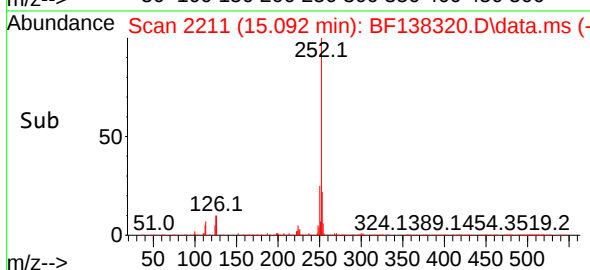
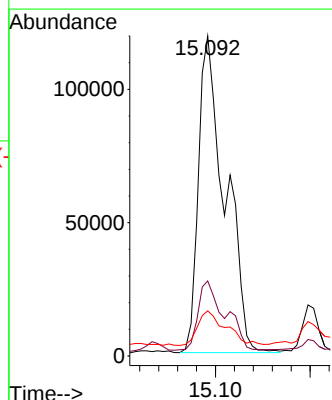
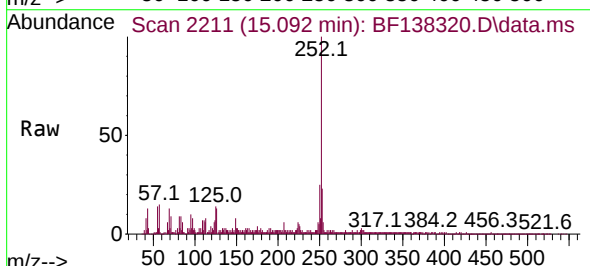
Tgt Ion:252 Resp: 232224

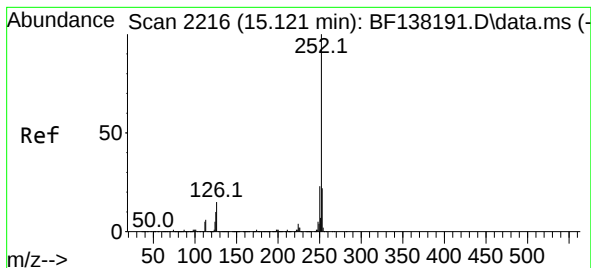
Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 14.1 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 11.907 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

Instrument :

BNA_F

ClientSampleId :

VNJ-204

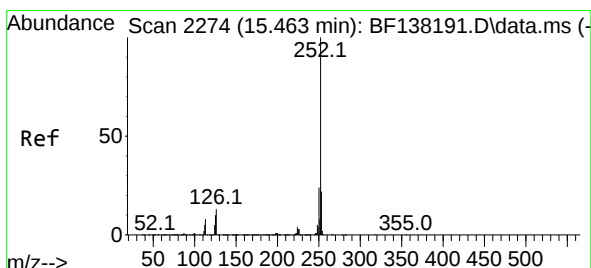
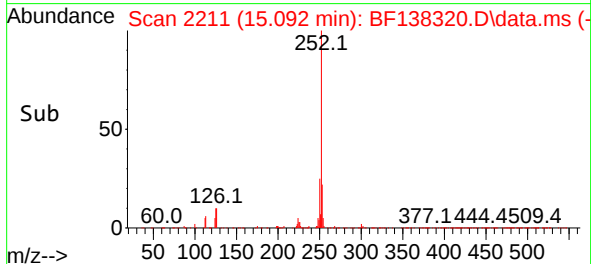
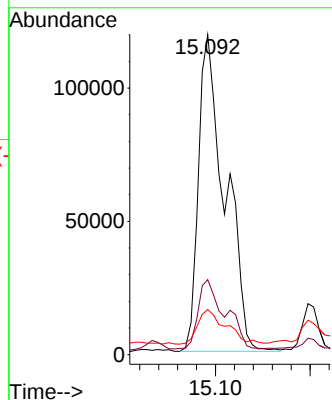
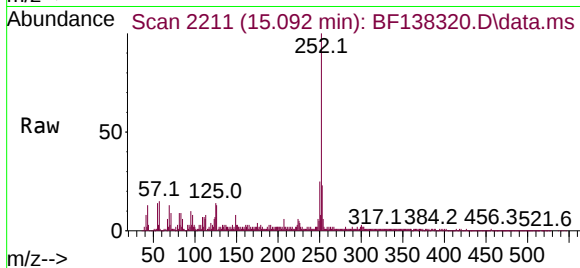
Tgt Ion:252 Resp: 232224

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 14.1 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 5.445 ng

RT: 15.462 min Scan# 2274

Delta R.T. -0.000 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

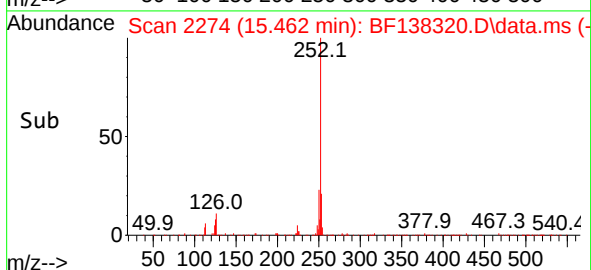
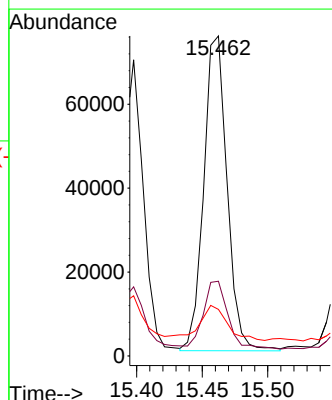
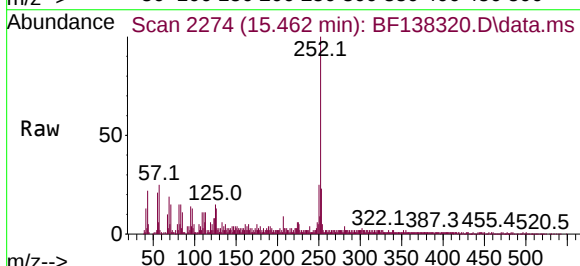
Tgt Ion:252 Resp: 93087

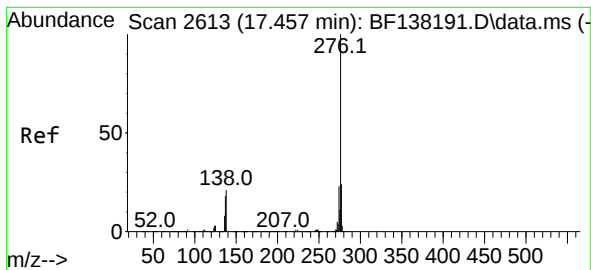
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 14.5 8.2 12.2#





#92
 Benzo(g,h,i)perylene
 Concen: 2.950 ng
 RT: 17.450 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF138320.D
 Acq: 24 Jun 2024 20:12

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204

Tgt Ion:	276	Resp:	55111
Ion	Ratio	Lower	Upper
276	100		
277	28.7	19.5	29.3
138	22.7	16.6	24.8

