

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072324\
 Data File : BF138627.D
 Acq On : 23 Jul 2024 19:37
 Operator : RC/JU
 Sample : P3314-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ206RE

Quant Time: Jul 24 01:15:53 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

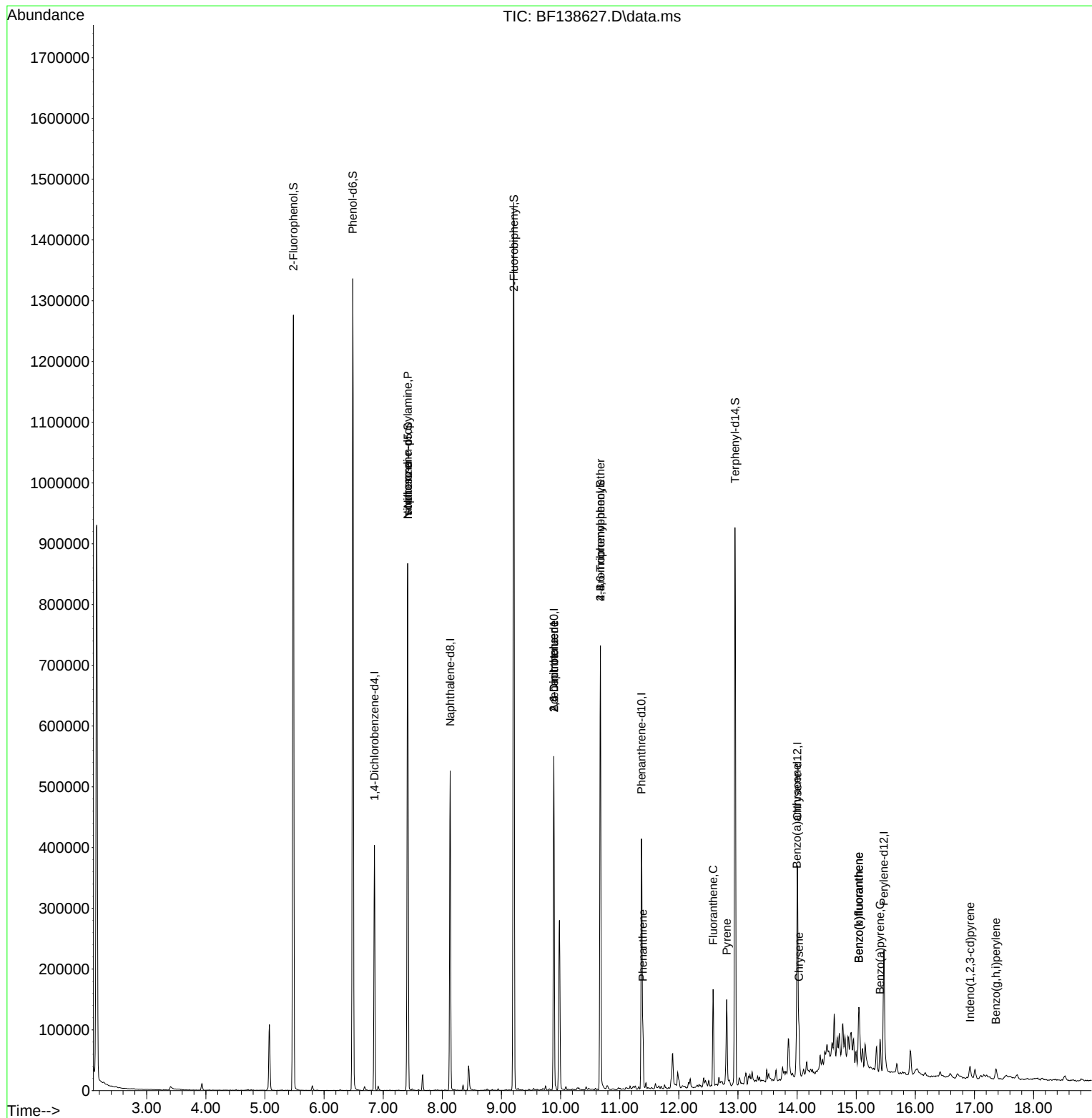
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	75798	20.000	ng	-0.02
21) Naphthalene-d8	8.134	136	305464	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	154485	20.000	ng	-0.02
64) Phenanthrene-d10	11.369	188	204842	20.000	ng	-0.02
76) Chrysene-d12	14.004	240	128328	20.000	ng	-0.02
86) Perylene-d12	15.468	264	109610	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	422992	88.382	ng	-0.01
7) Phenol-d6	6.487	99	583108	91.586	ng	-0.02
23) Nitrobenzene-d5	7.416	82	377799	60.724	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	111180	77.004	ng	-0.02
45) 2-Fluorobiphenyl	9.210	172	621963	62.923	ng	-0.02
79) Terphenyl-d14	12.951	244	418625	53.144	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	50293	12.784	ng	# 72
25) Isophorone	7.416	82	376073	35.199	ng	# 67
51) 2,6-Dinitrotoluene	9.886	165	19727	8.577	ng	# 24
57) 2,4-Dinitrotoluene	9.886	165	19727	6.629	ng	# 19
67) 4-Bromophenyl-phenylether	10.675	248	6880	3.268	ng	# 1
71) Phenanthrene	11.392	178	45145	4.362	ng	99
75) Fluoranthene	12.580	202	83898	7.945	ng	98
78) Pyrene	12.810	202	76199	5.849	ng	98
81) Benzo(a)anthracene	13.998	228	45716	5.309	ng	95
83) Chrysene	14.033	228	39333	4.829	ng	99
87) Indeno(1,2,3-cd)pyrene	16.927	276	15214	2.066	ng	98
88) Benzo(b)fluoranthene	15.045	252	68788	11.144	ng	97
89) Benzo(k)fluoranthene	15.045	252	68788	11.426	ng	# 97
90) Benzo(a)pyrene	15.404	252	29287	5.401	ng	97
92) Benzo(g,h,i)perylene	17.362	276	14662	2.296	ng	# 92

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

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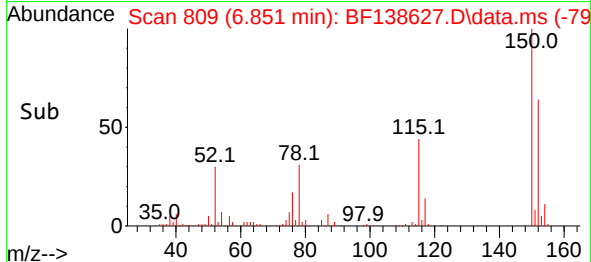
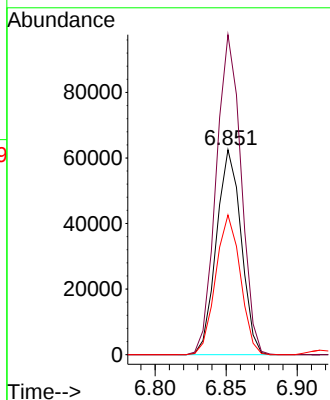
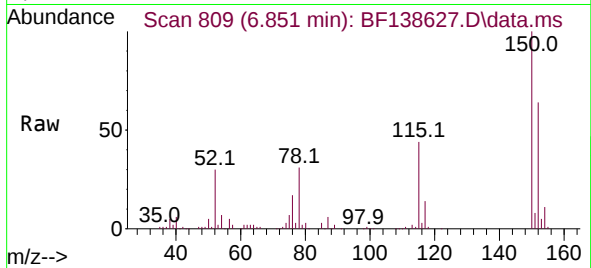




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.018 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

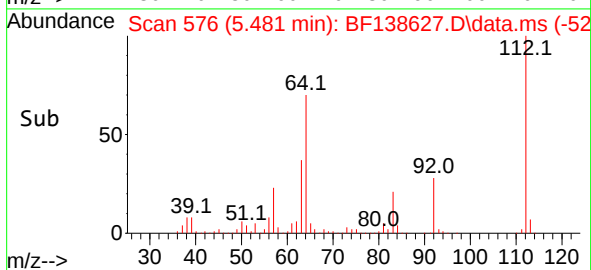
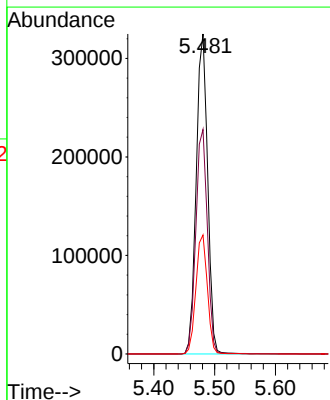
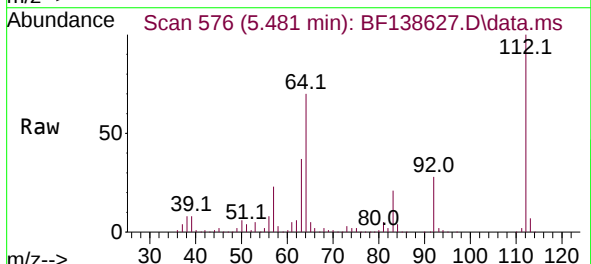
Instrument :
BNA_F
ClientSampleId :
VNJ206RE

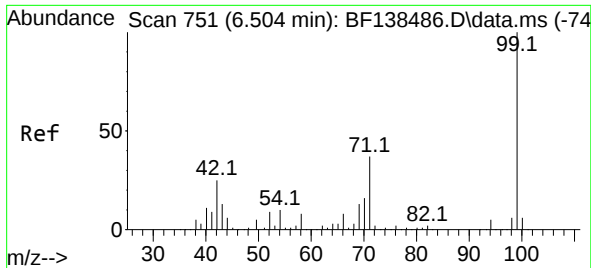
Tgt Ion:152 Resp: 75798
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.4
115 68.2 50.3 75.5



#5
2-Fluorophenol
Concen: 88.382 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

Tgt Ion:112 Resp: 422992
Ion Ratio Lower Upper
112 100
64 70.2 55.1 82.7
63 37.2 29.0 43.6

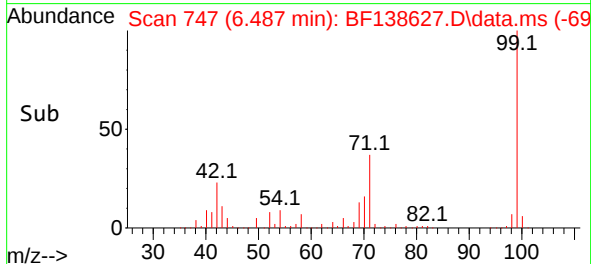
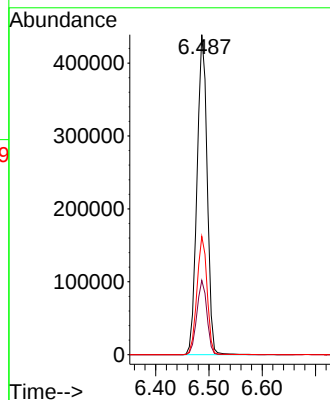
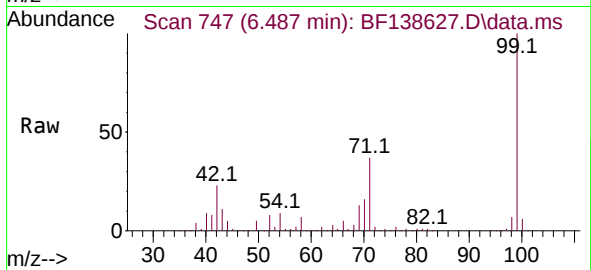




#7
Phenol-d6
Concen: 91.586 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

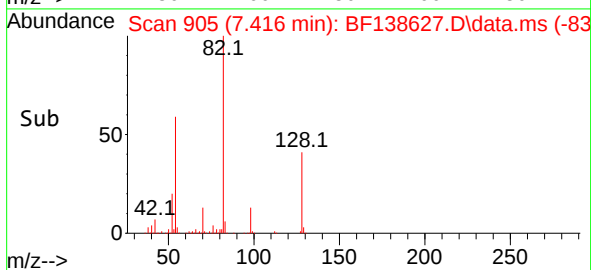
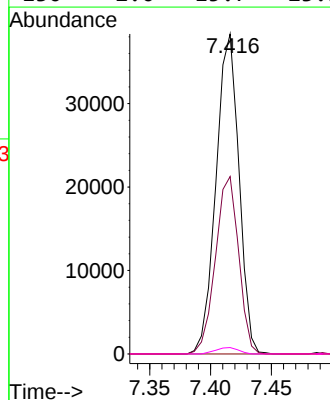
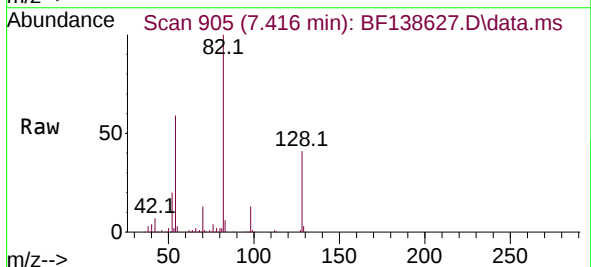
Instrument :
BNA_F
ClientSampleId :
VNJ206RE

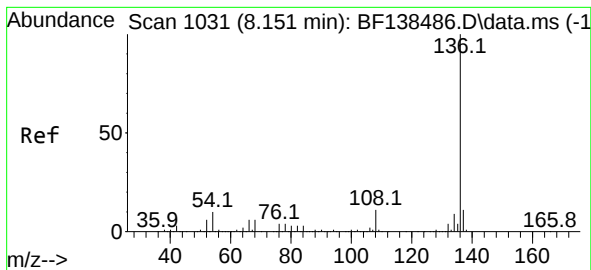
Tgt Ion: 99 Resp: 583108
Ion Ratio Lower Upper
99 100
42 23.2 19.7 29.5
71 36.9 29.9 44.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.784 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.135 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

Tgt Ion: 70 Resp: 50293
Ion Ratio Lower Upper
70 100
42 55.5 62.4 93.6#
101 0.0 7.2 10.8#
130 2.0 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.134 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

VNJ206RE

Tgt Ion:136 Resp: 305464

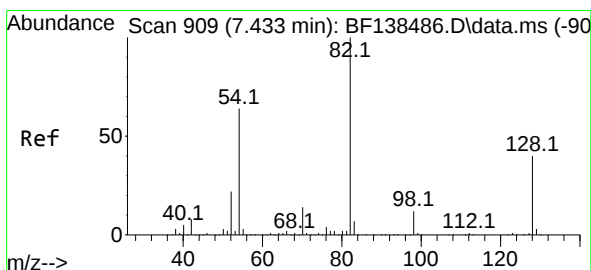
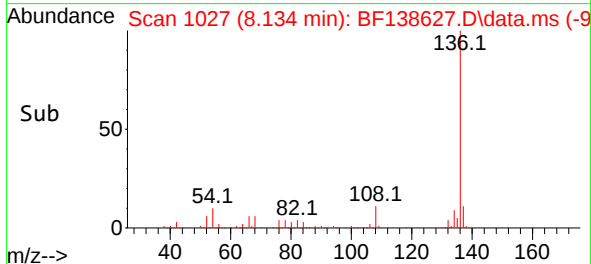
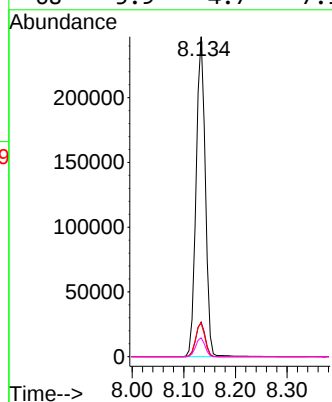
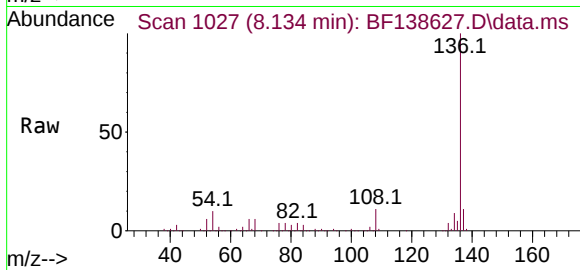
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.5 8.1 12.1

68 5.9 4.7 7.1



#23

Nitrobenzene-d5

Concen: 60.724 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.017 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

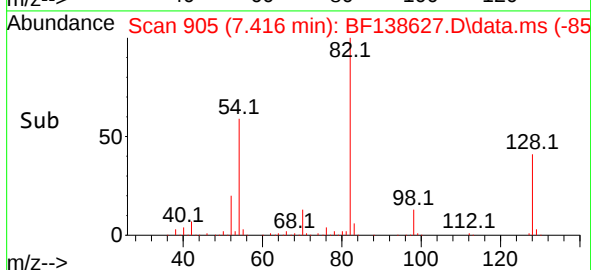
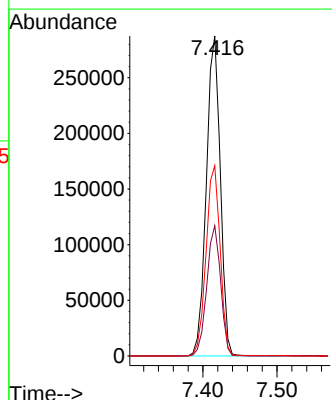
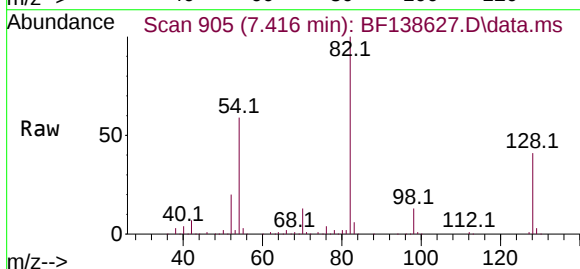
Tgt Ion: 82 Resp: 377799

Ion Ratio Lower Upper

82 100

128 40.7 32.3 48.5

54 59.4 51.4 77.0

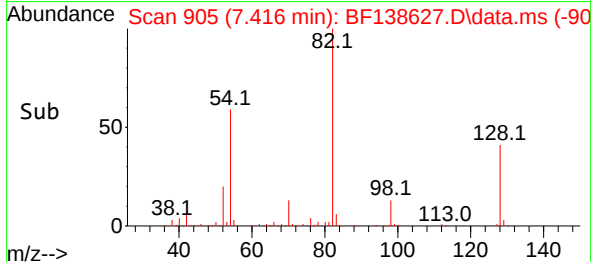
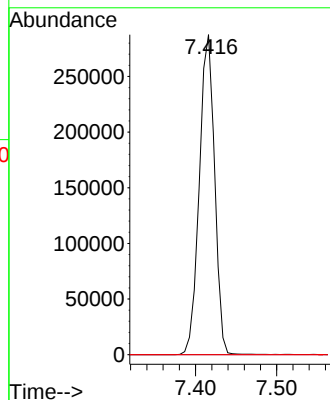
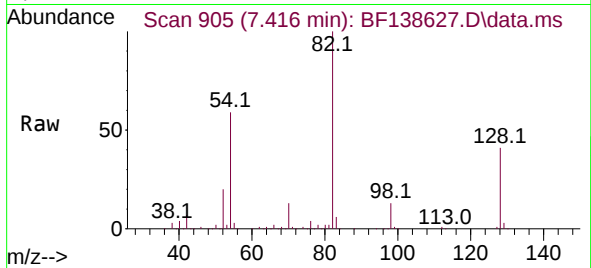




#25
Isophorone
Concen: 35.199 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

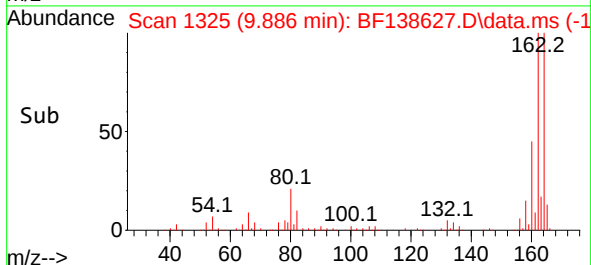
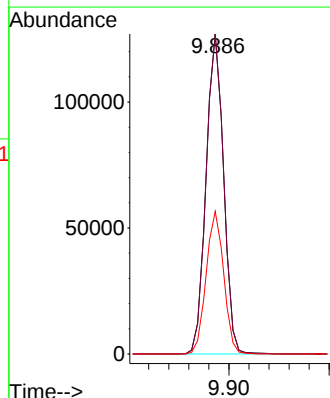
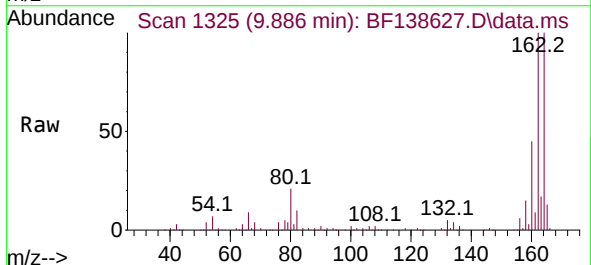
Instrument :
BNA_F
ClientSampleId :
VNJ206RE

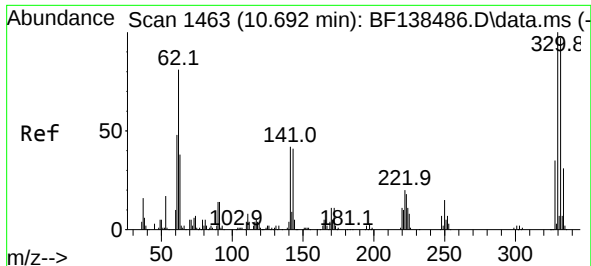
Tgt Ion: 82 Resp: 376073
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.017 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

Tgt Ion:164 Resp: 154485
Ion Ratio Lower Upper
164 100
162 100.0 79.0 118.6
160 44.5 34.4 51.6

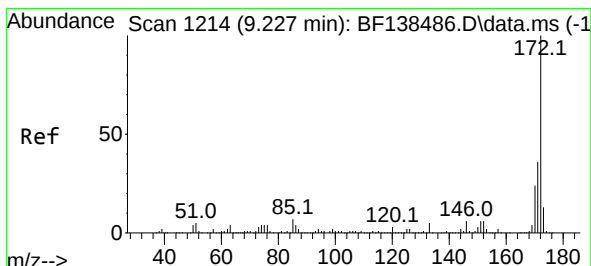
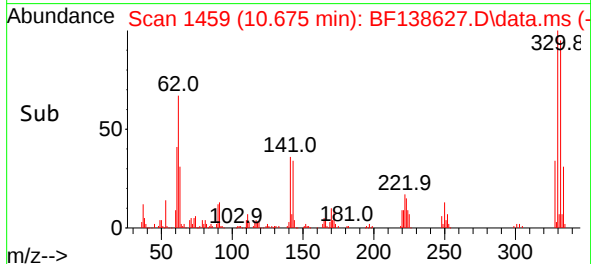
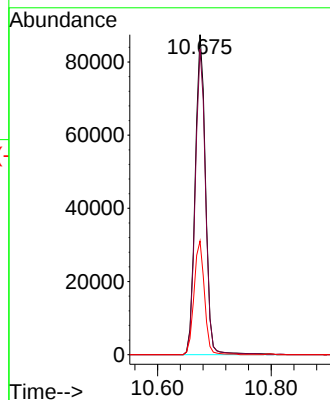
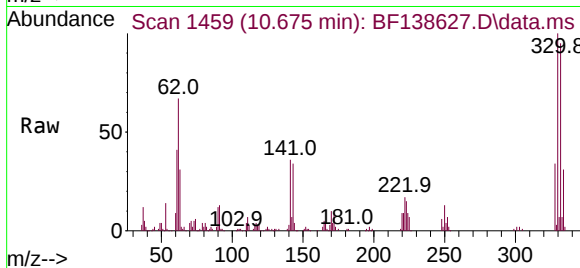




#42
2,4,6-Tribromophenol
Concen: 77.004 ng
RT: 10.675 min Scan# 1463
Delta R.T. -0.017 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

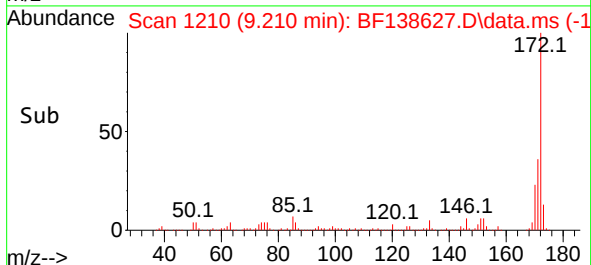
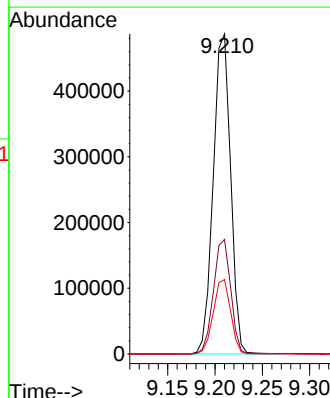
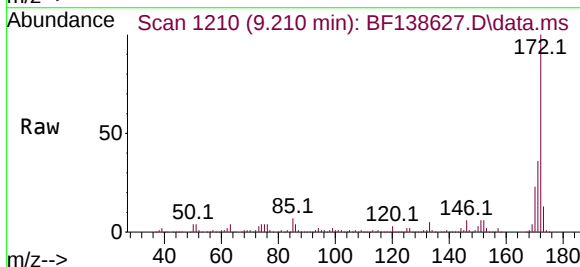
Instrument :
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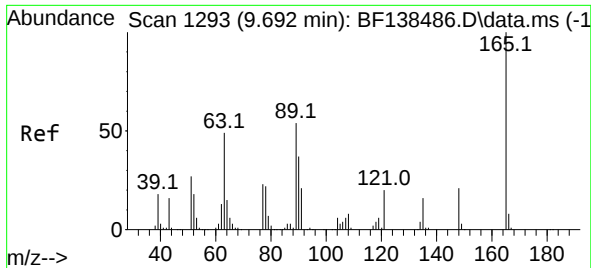
Tgt Ion:330 Resp: 111180
Ion Ratio Lower Upper
330 100
332 95.2 76.8 115.2
141 35.8 29.4 44.2



#45
2-Fluorobiphenyl
Concen: 62.923 ng
RT: 9.210 min Scan# 1210
Delta R.T. -0.017 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

Tgt Ion:172 Resp: 621963
Ion Ratio Lower Upper
172 100
171 35.8 28.9 43.3
170 23.2 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.577 ng

RT: 9.886 min Scan# 1

Delta R.T. 0.194 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

VNJ206RE

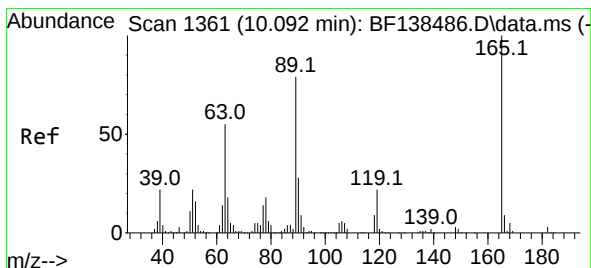
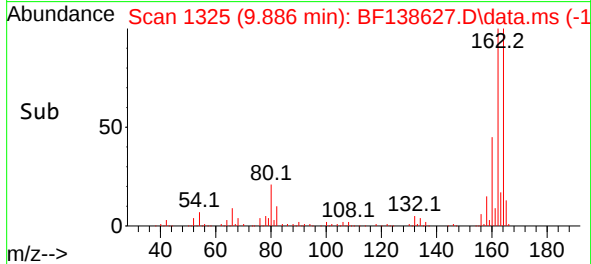
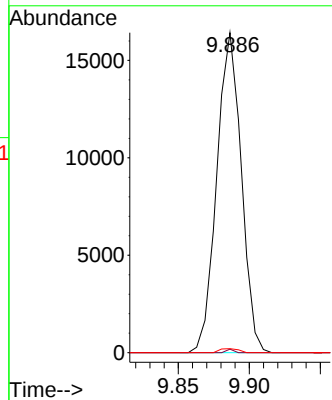
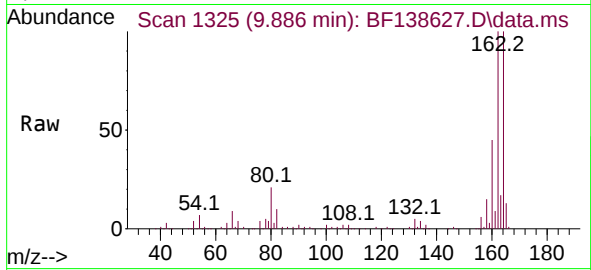
Tgt Ion:165 Resp: 19727

Ion Ratio Lower Upper

165 100

63 1.1 48.1 72.1#

89 1.3 43.0 64.6#



#57

2,4-Dinitrotoluene

Concen: 6.629 ng

RT: 9.886 min Scan# 1325

Delta R.T. -0.206 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

Tgt Ion:165 Resp: 19727

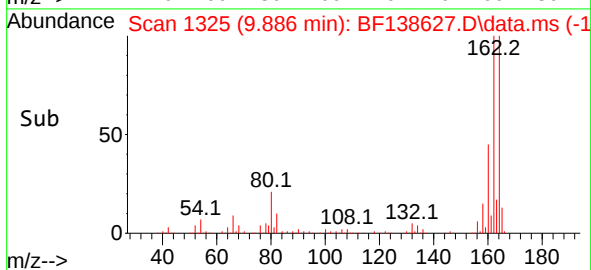
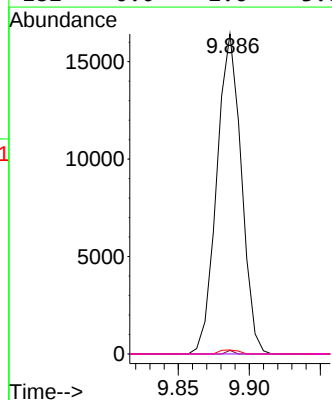
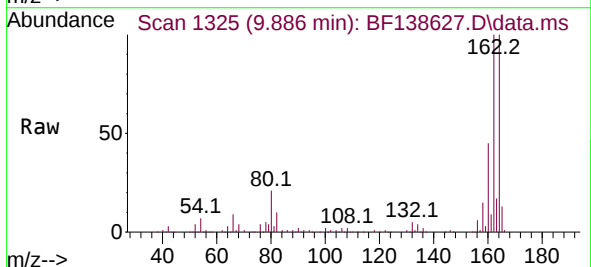
Ion Ratio Lower Upper

165 100

63 1.1 44.6 66.8#

89 1.3 63.4 95.2#

182 0.0 2.6 3.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

VNJ206RE

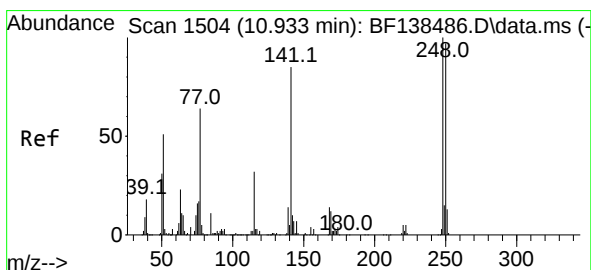
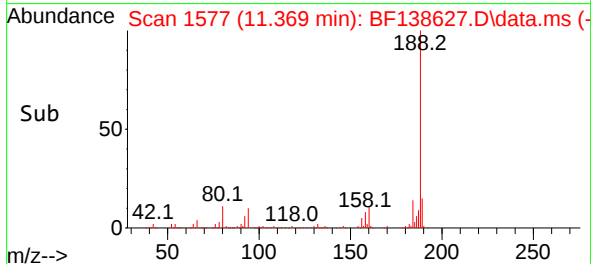
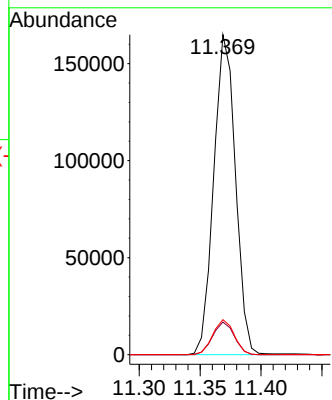
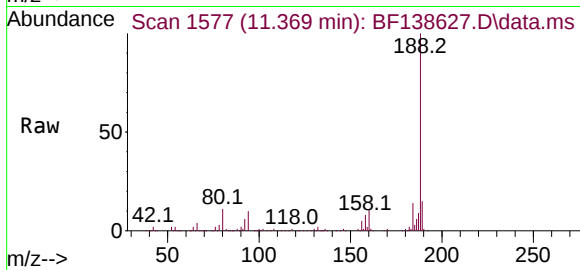
Tgt Ion:188 Resp: 204842

Ion Ratio Lower Upper

188 100

94 10.2 8.7 13.1

80 11.0 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 3.268 ng

RT: 10.675 min Scan# 1459

Delta R.T. -0.259 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

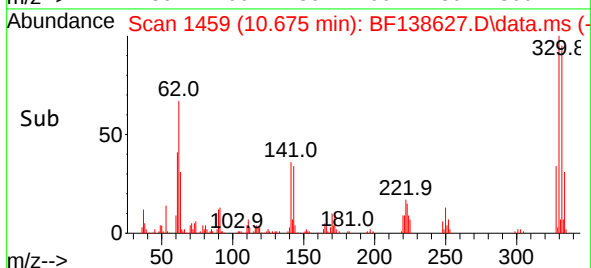
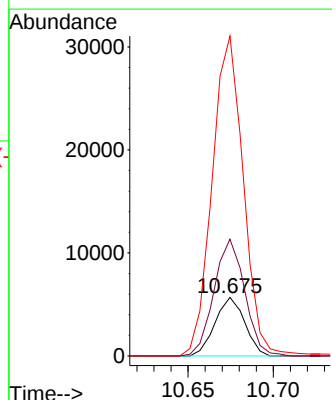
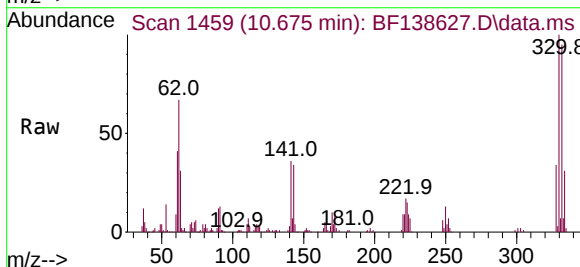
Tgt Ion:248 Resp: 6880

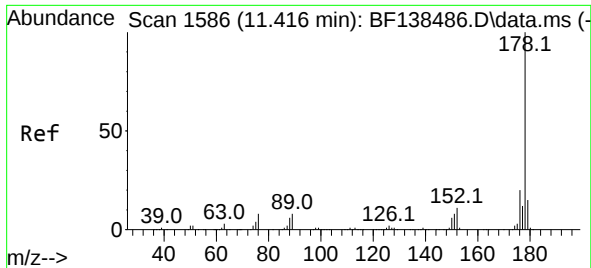
Ion Ratio Lower Upper

248 100

250 199.5 77.9 116.9#

141 546.6 67.7 101.5#

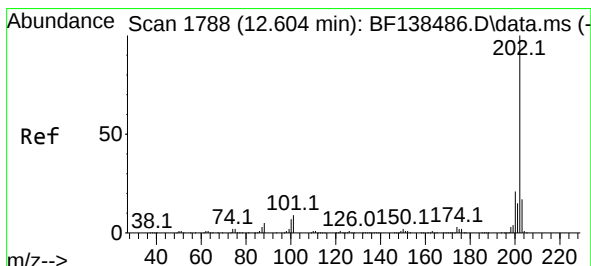
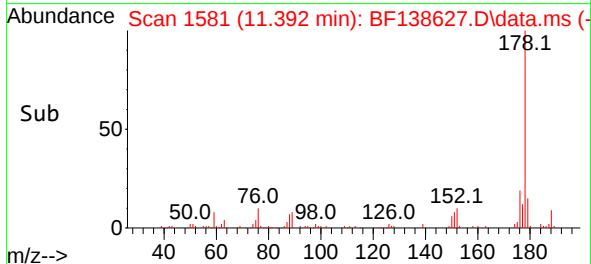
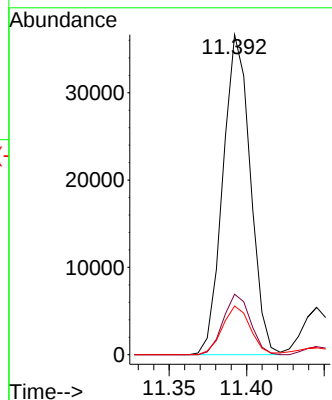
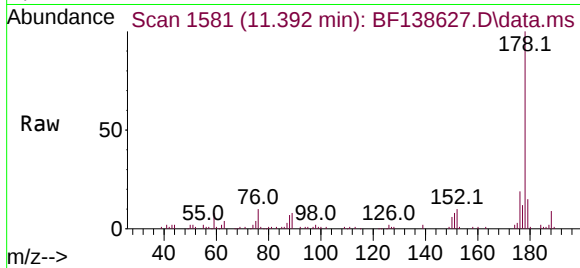




#71
Phenanthrene
Concen: 4.362 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

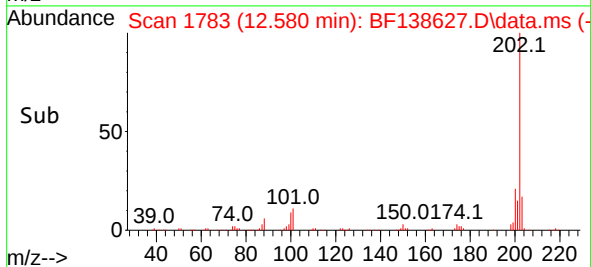
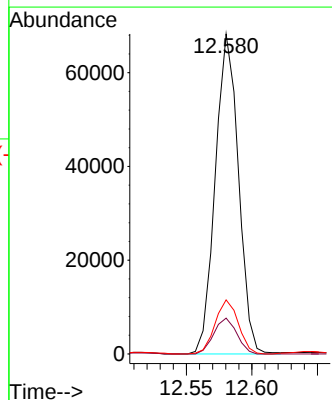
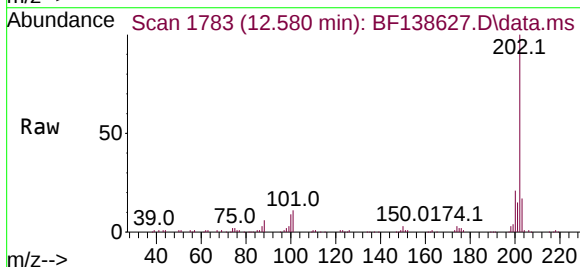
Instrument :
BNA_F
ClientSampleId :
VNJ206RE

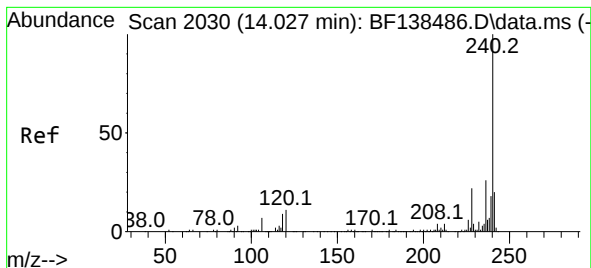
Tgt Ion:178 Resp: 45145
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.2 12.2 18.2



#75
Fluoranthene
Concen: 7.945 ng
RT: 12.580 min Scan# 1783
Delta R.T. -0.023 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

Tgt Ion:202 Resp: 83898
Ion Ratio Lower Upper
202 100
101 11.2 0.0 29.2
203 16.9 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2030

Delta R.T. -0.023 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

VNJ206RE

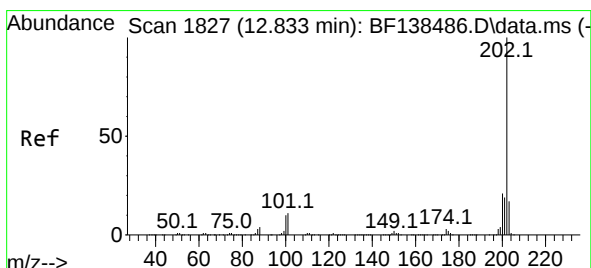
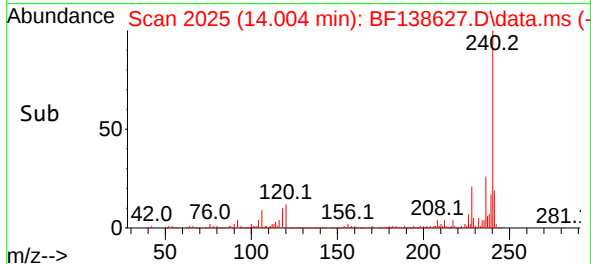
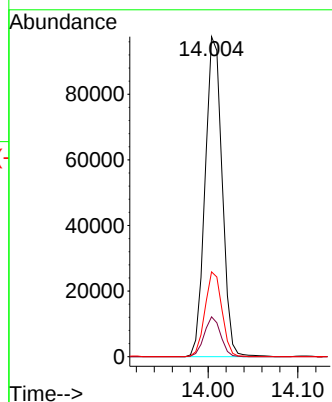
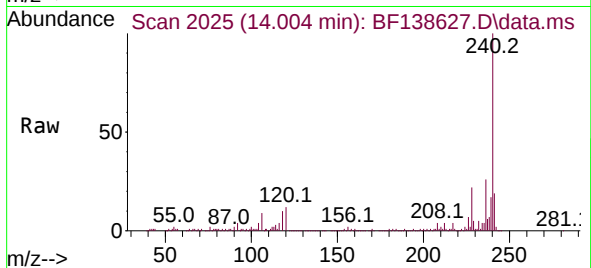
Tgt Ion:240 Resp: 128328

Ion Ratio Lower Upper

240 100

120 12.4 8.6 12.8

236 26.5 21.0 31.6



#78

Pyrene

Concen: 5.849 ng

RT: 12.810 min Scan# 1822

Delta R.T. -0.023 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

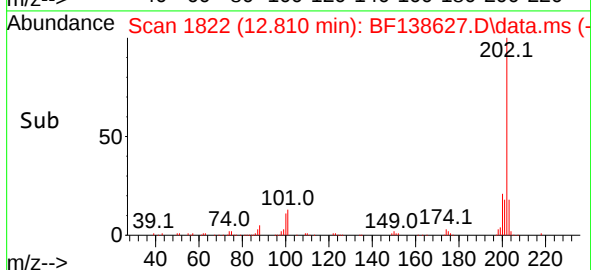
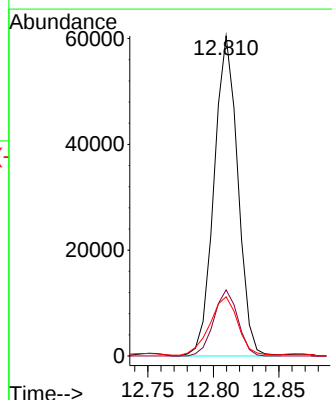
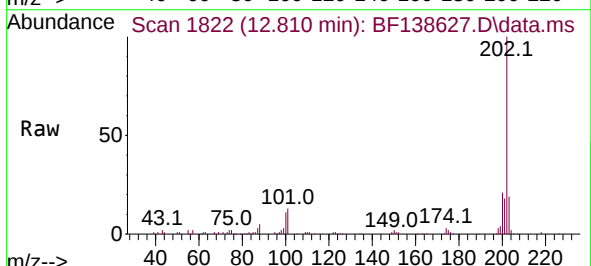
Tgt Ion:202 Resp: 76199

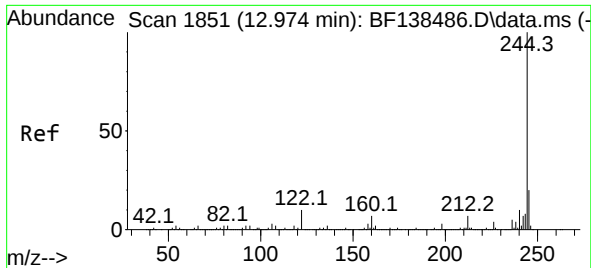
Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.6

203 18.5 13.7 20.5

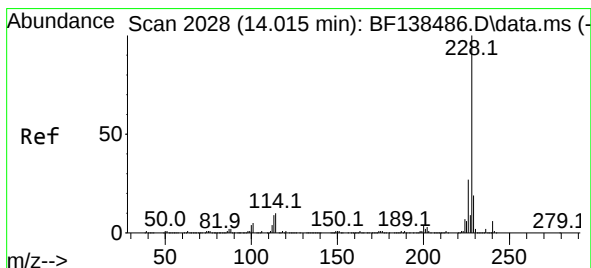
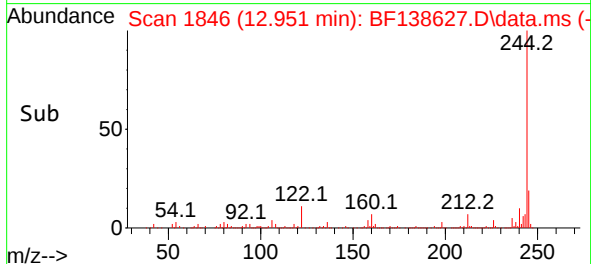
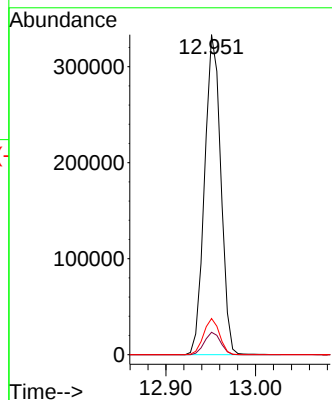
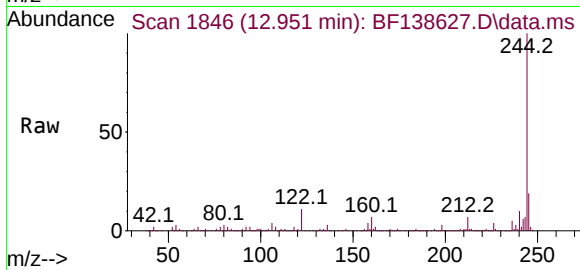




#79
 Terphenyl-d14
 Concen: 53.144 ng
 RT: 12.951 min Scan# 1846
 Delta R.T. -0.023 min
 Lab File: BF138627.D
 Acq: 23 Jul 2024 19:37

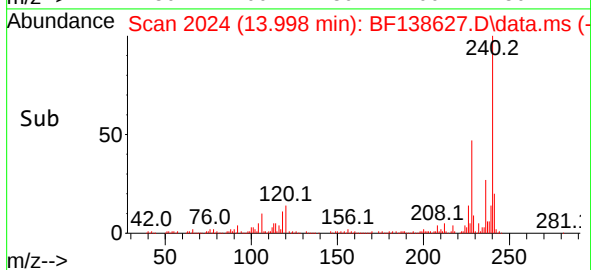
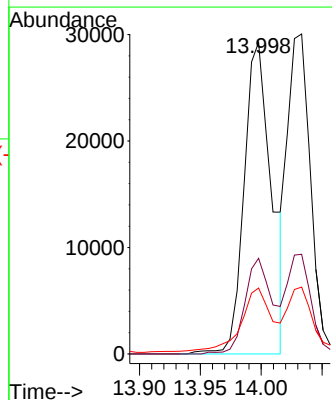
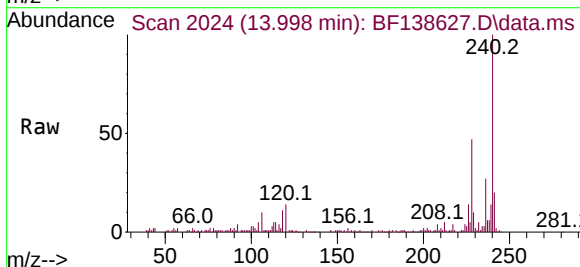
Instrument :
 BNA_F
 ClientSampleId :
 VNJ206RE

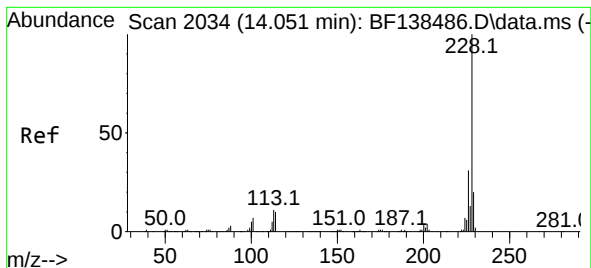
Tgt Ion:244 Resp: 418625
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 11.3 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 5.309 ng
 RT: 13.998 min Scan# 2024
 Delta R.T. -0.017 min
 Lab File: BF138627.D
 Acq: 23 Jul 2024 19:37

Tgt Ion:228 Resp: 45716
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.9 32.9
 229 21.2 15.5 23.3





#83

Chrysene

Concen: 4.829 ng

RT: 14.033 min Scan# 2034

Delta R.T. -0.017 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

VNJ206RE

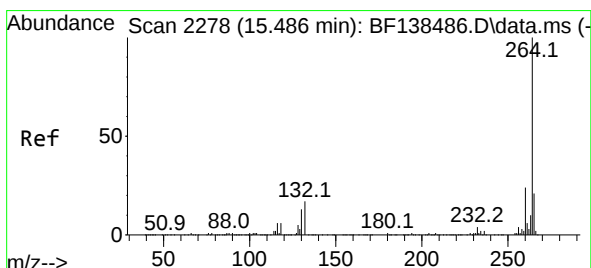
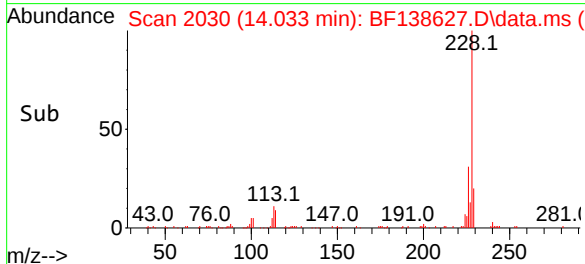
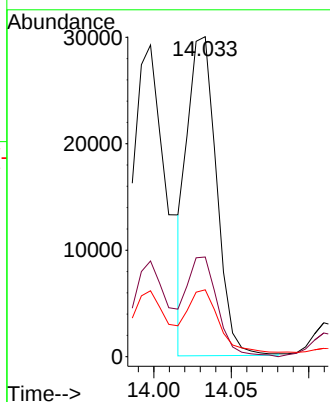
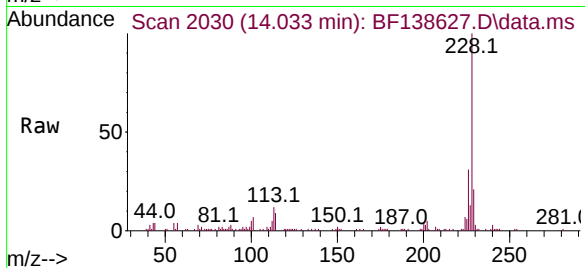
Tgt Ion:228 Resp: 39333

Ion Ratio Lower Upper

228 100

226 31.2 24.4 36.6

229 20.9 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.017 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

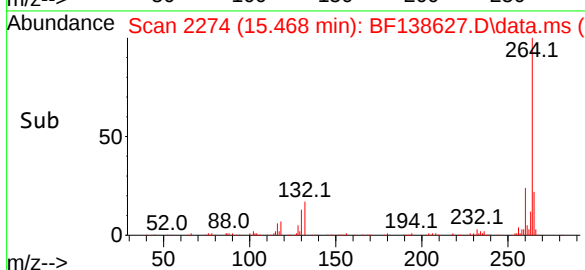
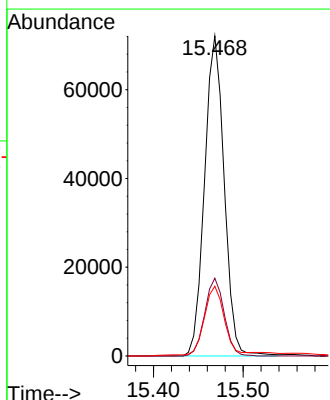
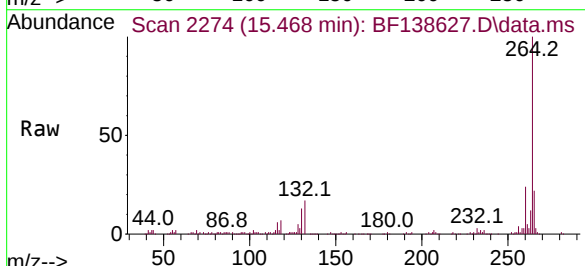
Tgt Ion:264 Resp: 109610

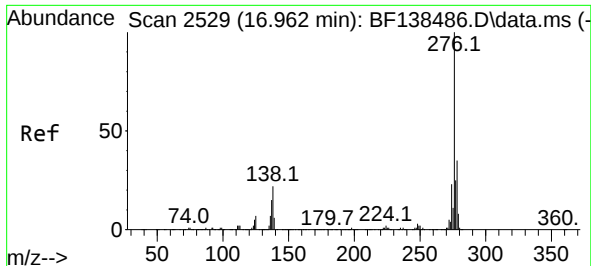
Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 21.8 17.0 25.4

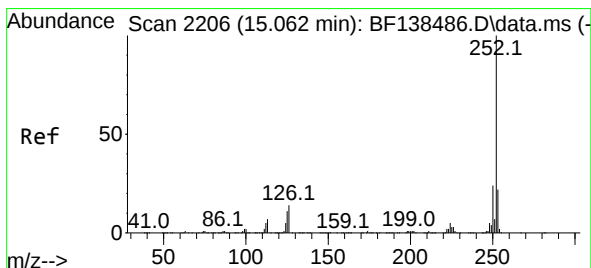
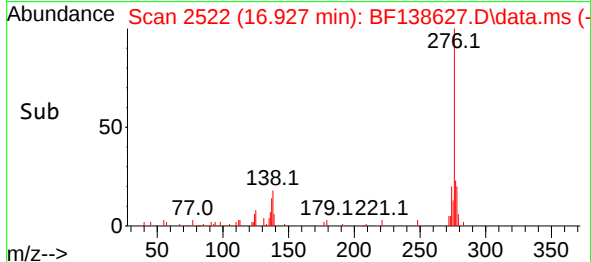
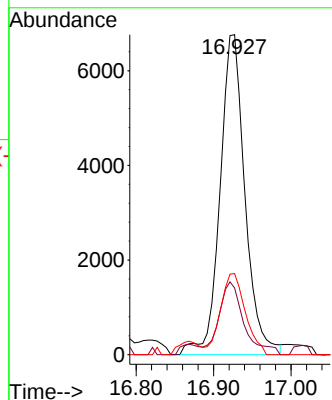
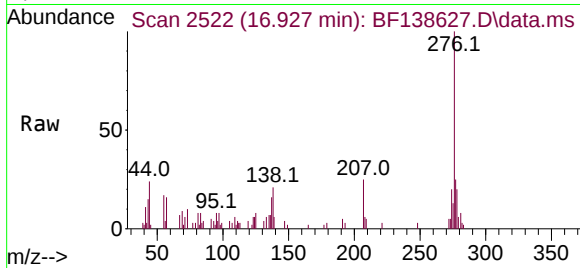




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.066 ng
 RT: 16.927 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF138627.D
 Acq: 23 Jul 2024 19:37

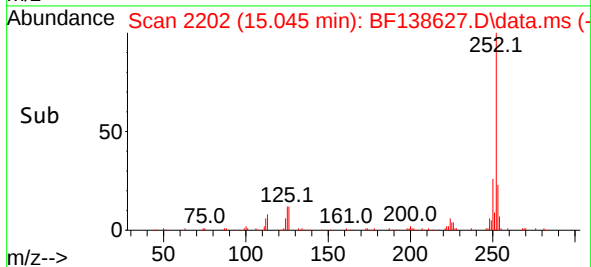
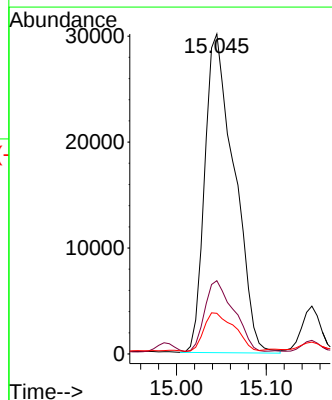
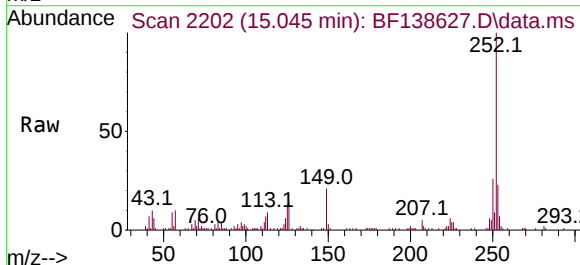
Instrument :
 BNA_F
 ClientSampleId :
 VNJ206RE

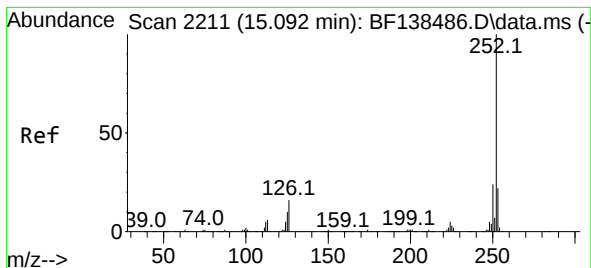
Tgt Ion:276 Resp: 15214
 Ion Ratio Lower Upper
 276 100
 138 22.5 19.6 29.4
 277 25.2 20.5 30.7



#88
 Benzo(b)fluoranthene
 Concen: 11.144 ng
 RT: 15.045 min Scan# 2202
 Delta R.T. -0.017 min
 Lab File: BF138627.D
 Acq: 23 Jul 2024 19:37

Tgt Ion:252 Resp: 68788
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.3 25.9
 125 12.7 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 11.426 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

VNJ206RE

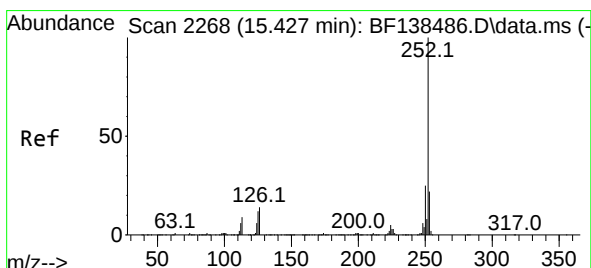
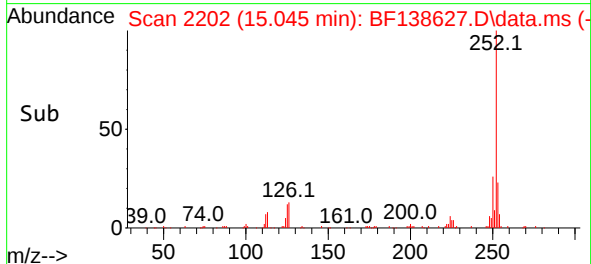
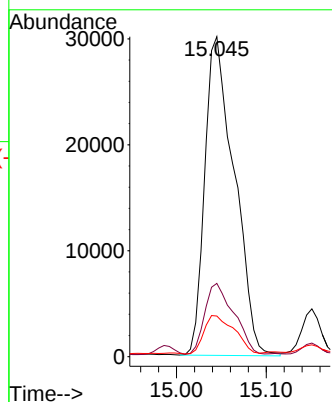
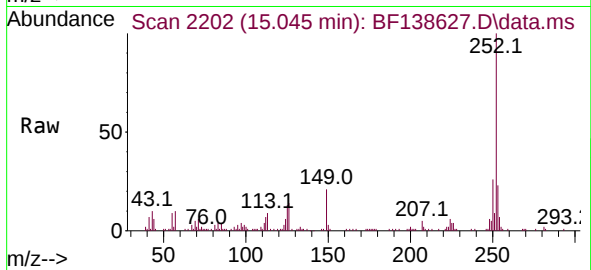
Tgt Ion:252 Resp: 68788

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 12.7 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 5.401 ng

RT: 15.404 min Scan# 2263

Delta R.T. -0.023 min

Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

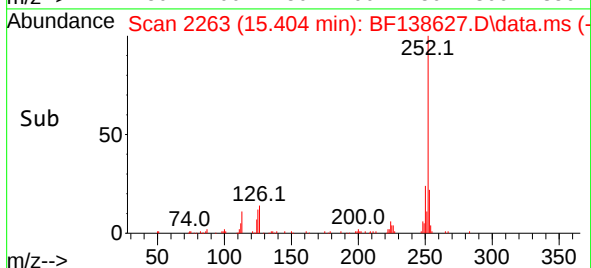
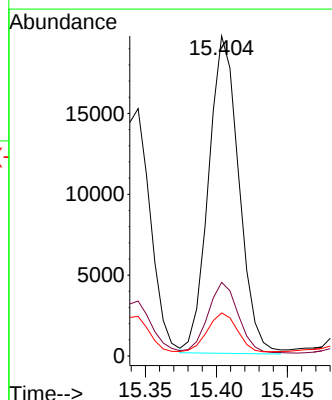
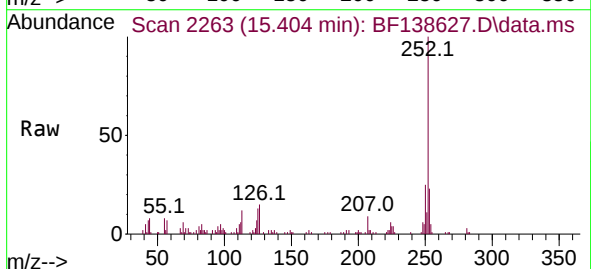
Tgt Ion:252 Resp: 29287

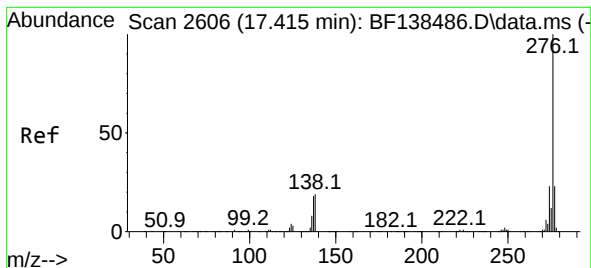
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 13.4 9.4 14.2





#92

Benzo(g,h,i)perylene

Concen: 2.296 ng

RT: 17.362 min Scan# 21

Delta R.T. -0.053 min

Lab File: BF138627.D

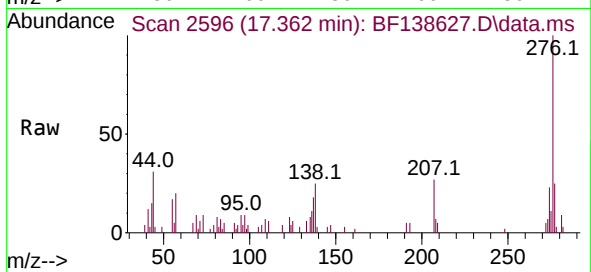
Acq: 23 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

VNJ206RE



Tgt Ion:276 Resp: 14662

Ion Ratio Lower Upper

276 100

277 24.8 18.0 27.0

138 25.2 15.5 23.3#

