

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 :

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)

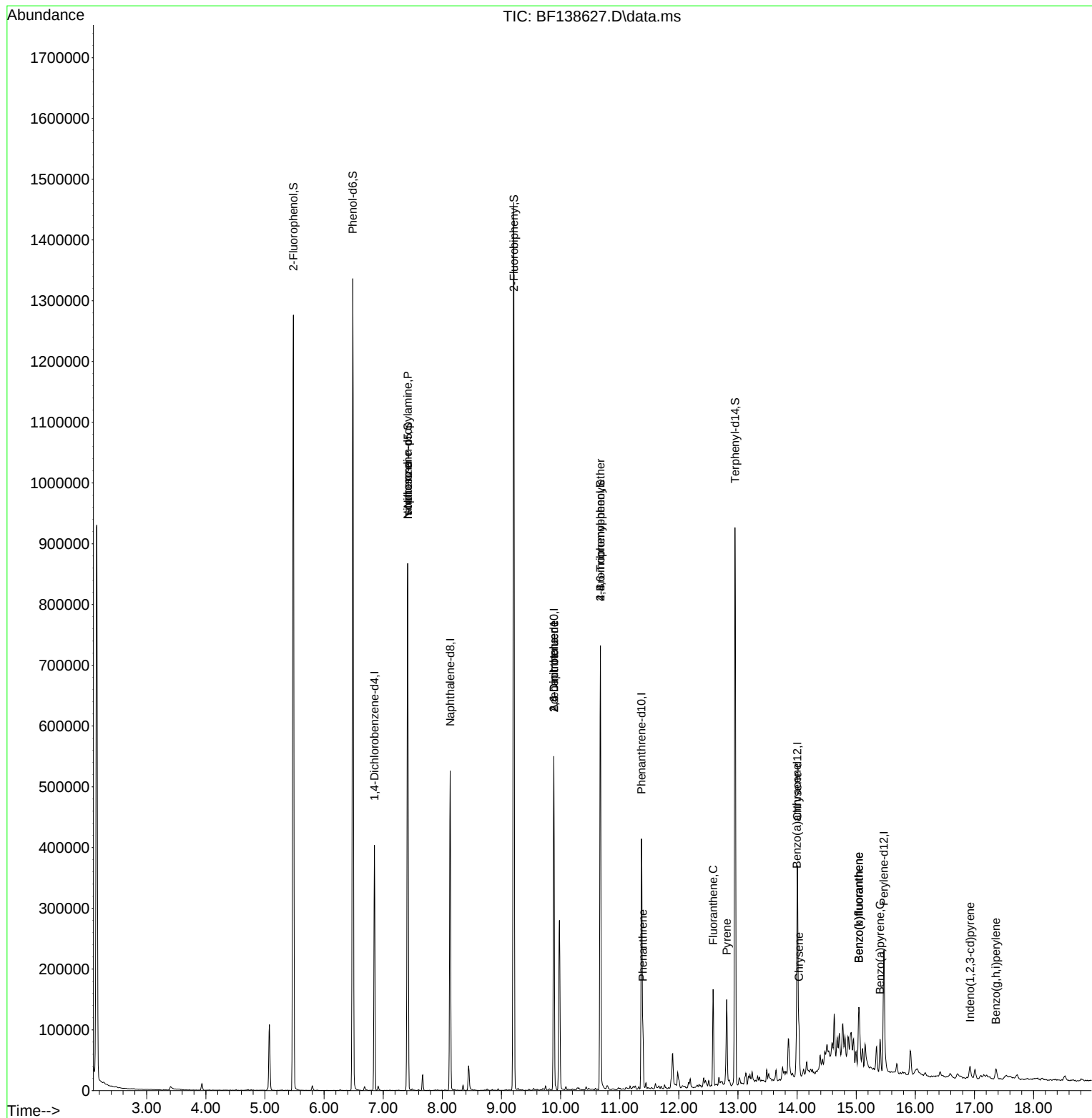
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	75798	20.000	ng	-0.02
21) Naphthalene-d8	8.134	136	305464	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	154485	20.000	ng	-0.02
64) Phenanthrene-d10	11.369	188	204842	20.000	ng	-0.02
76) Chrysene-d12	14.004	240	128328	20.000	ng	-0.02
86) Perylene-d12	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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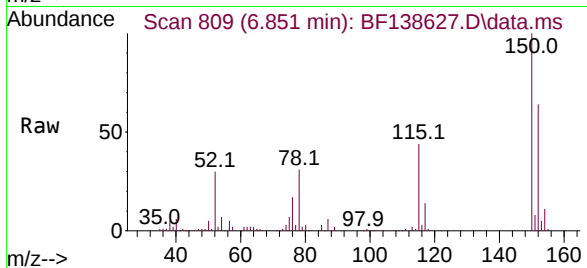
Quant Time: Jul 24 01:15:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
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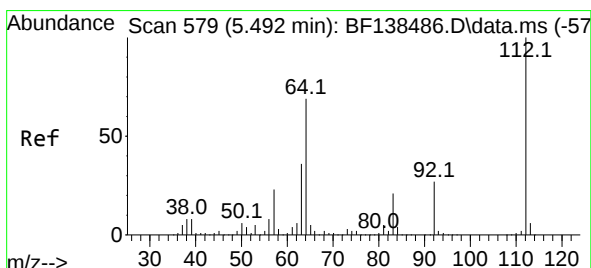
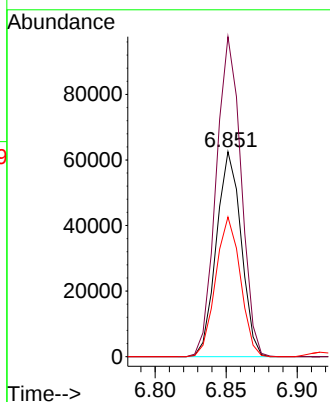
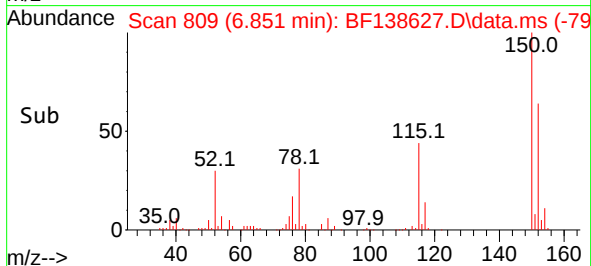


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.018 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

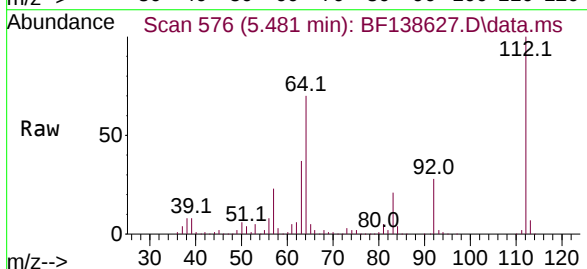
Instrument :
BNA_F
ClientSampleId :



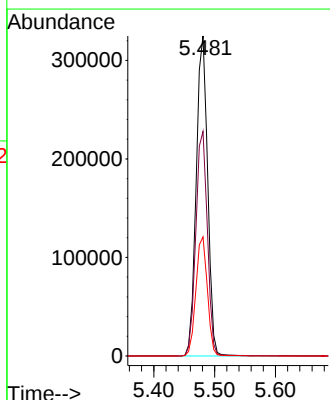
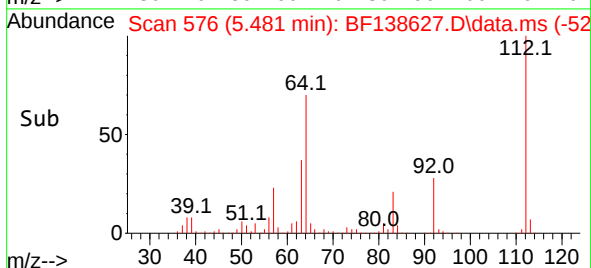
Tgt Ion:152 Resp: 75798
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.4
115 68.2 50.3 75.5

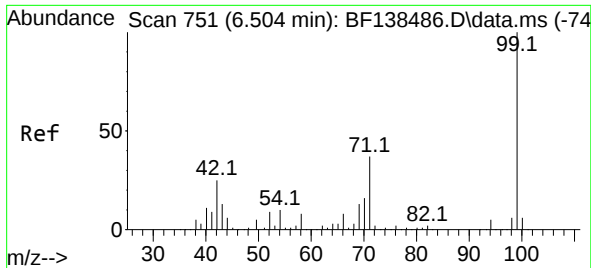


#5
2-Fluorophenol
Concen: 88.382 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37



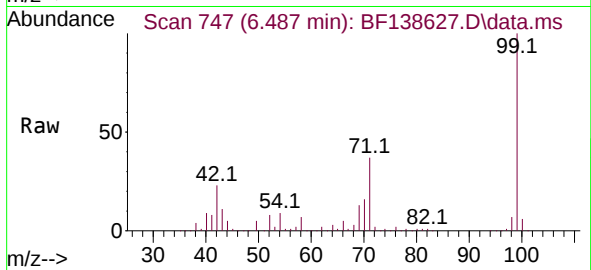
Tgt Ion:112 Resp: 422992
Ion Ratio Lower Upper
112 100
64 70.2 55.1 82.7
63 37.2 29.0 43.6



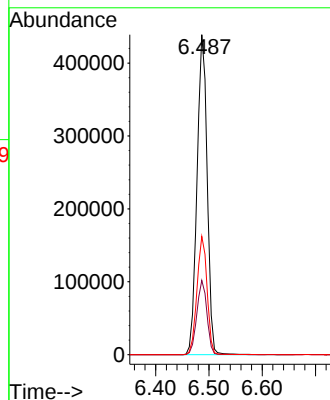
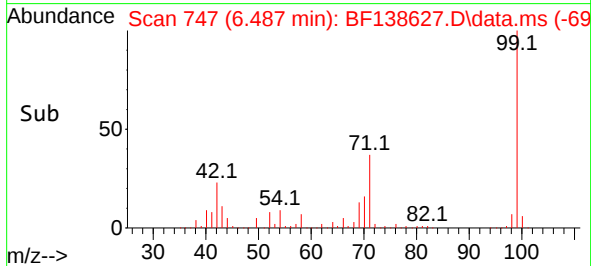


#7
Phenol-d6
Concen: 91.586 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

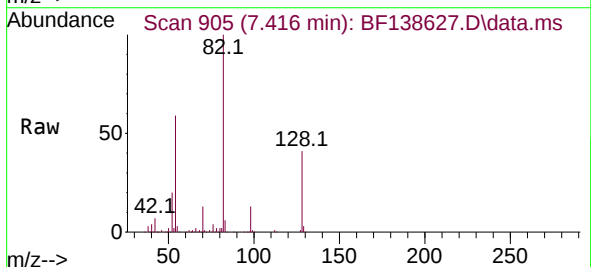
Instrument :
BNA_F
ClientSampleId :



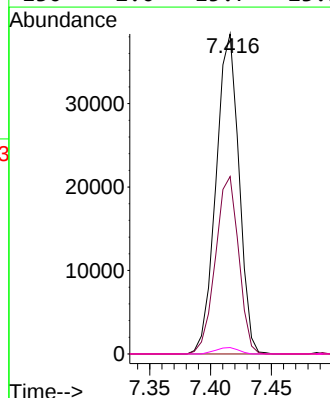
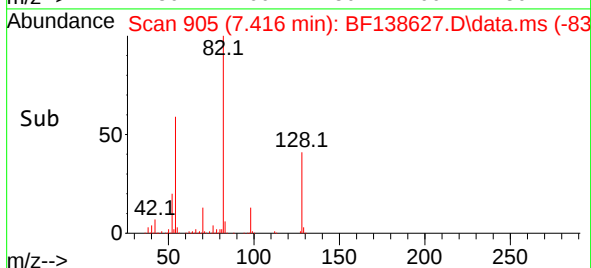
Tgt Ion: 99 Resp: 583108
Ion Ratio Lower Upper
99 100
42 23.2 19.7 29.5
71 36.9 29.9 44.9

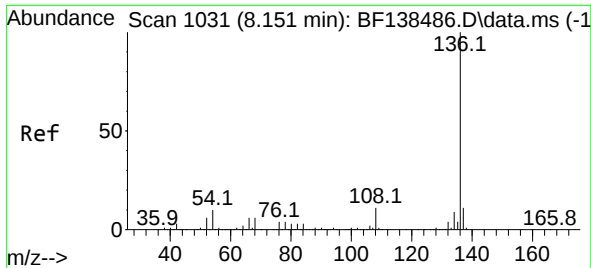


#19
n-Nitroso-di-n-propylamine
Concen: 12.784 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.135 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37



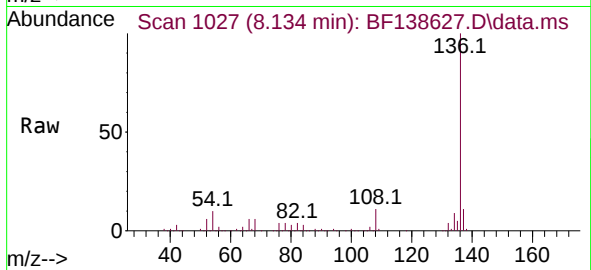
Tgt Ion: 70 Resp: 50293
Ion Ratio Lower Upper
70 100
42 55.5 62.4 93.6#
101 0.0 7.2 10.8#
130 2.0 15.7 23.5#



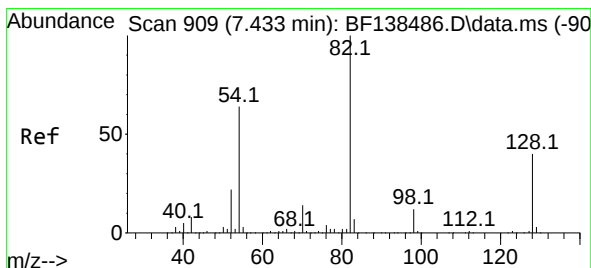
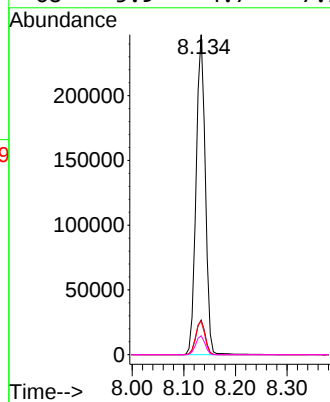
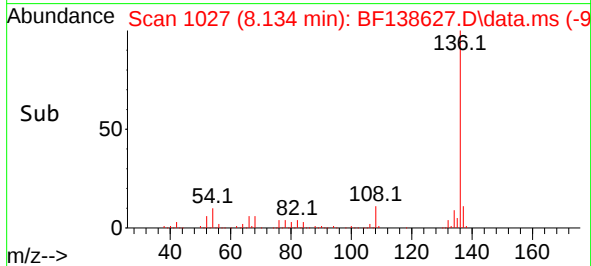


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1031
Delta R.T. -0.017 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

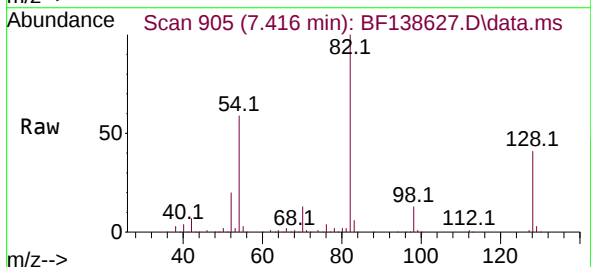
Instrument :
BNA_F
ClientSampleId :



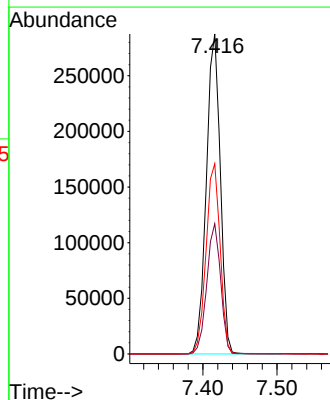
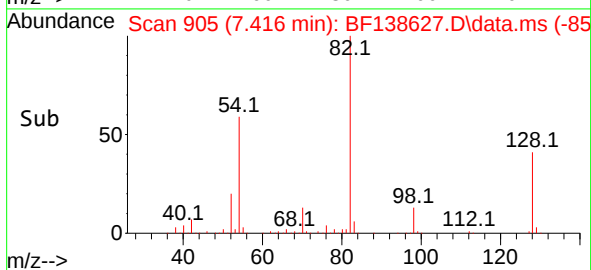
Tgt Ion:136 Resp: 305464
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.5 8.1 12.1
68 5.9 4.7 7.1



#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



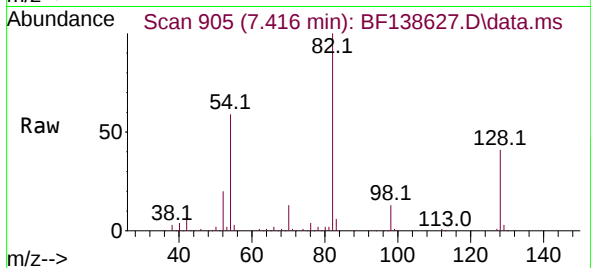
Tgt Ion: 82 Resp: 377799
Ion Ratio Lower Upper
82 100
128 40.7 32.3 48.5
54 59.4 51.4 77.0



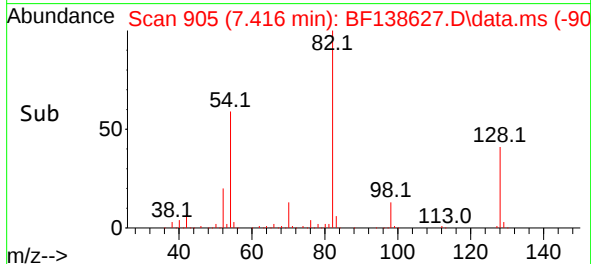
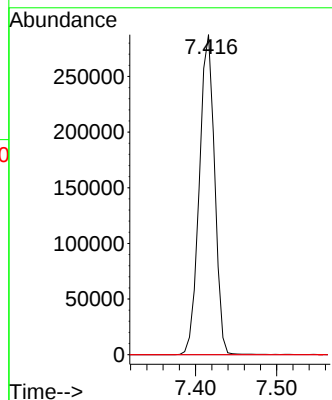


#25
Isophorone
Concen: 35.199 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

Instrument :
BNA_F
ClientSampleId :

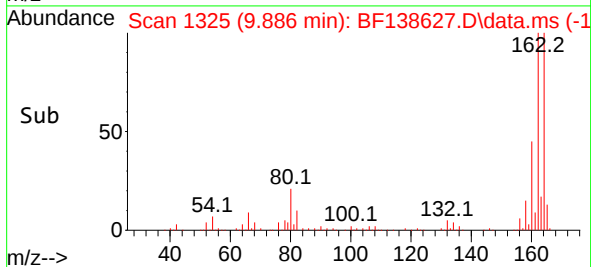
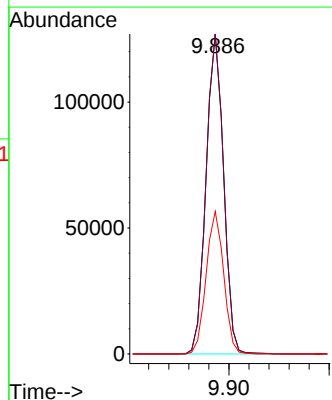
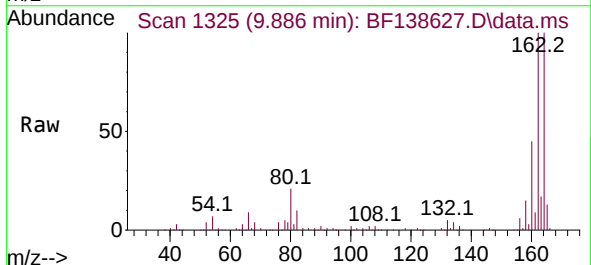


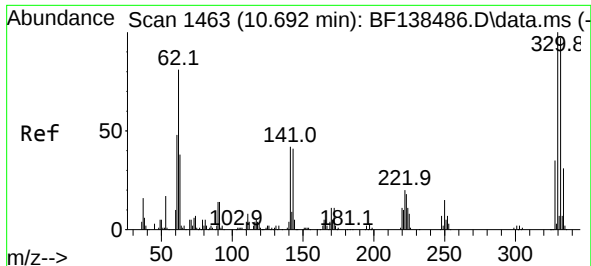
Tgt Ion: 82 Resp: 376073
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.8 19.2#



#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

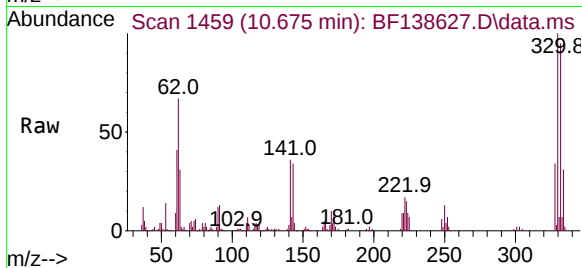
Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :



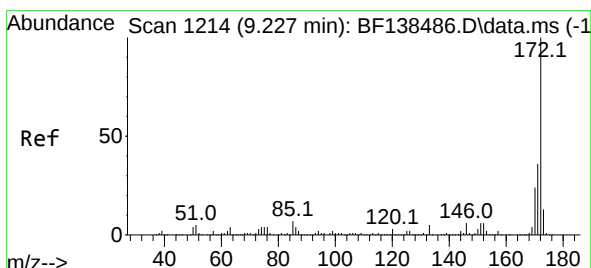
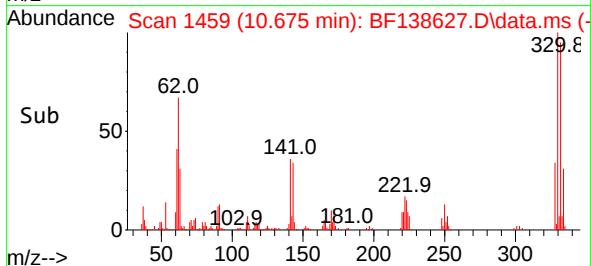
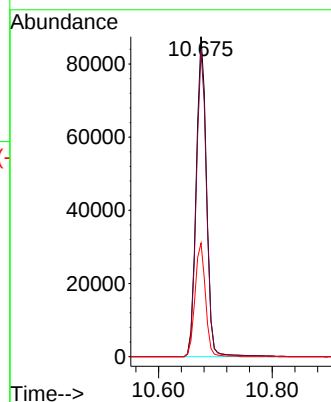
Tgt Ion:330 Resp: 111180

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

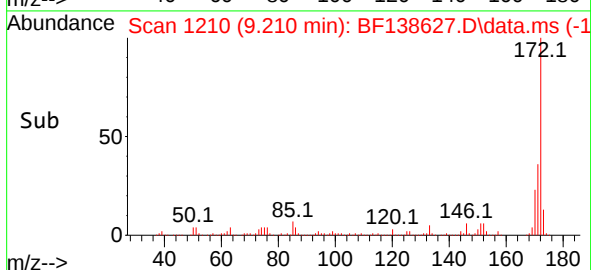
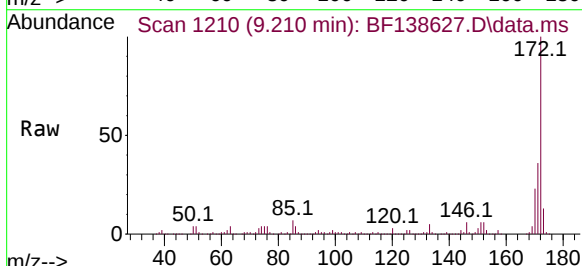
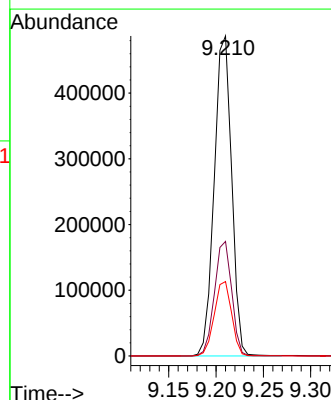
Tgt Ion:172 Resp: 621963

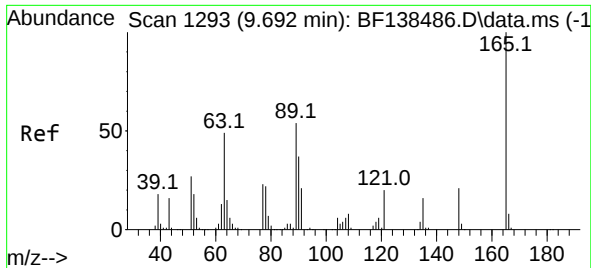
Ion Ratio Lower Upper

172 100

171 35.8 28.9 43.3

170 23.2 18.9 28.3

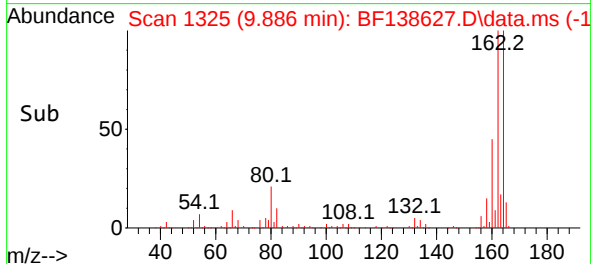
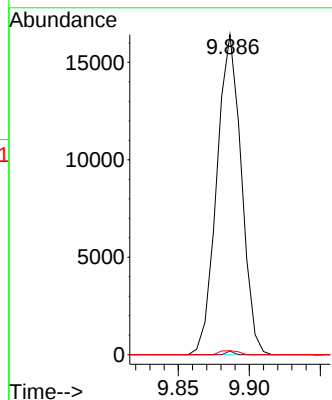
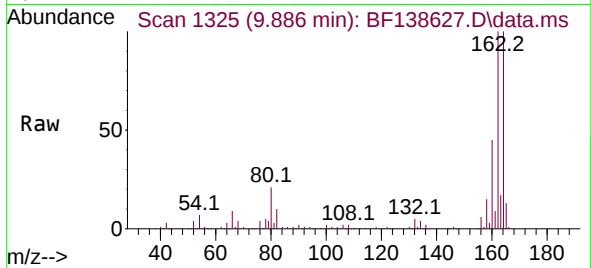




#51
2,6-Dinitrotoluene
Concen: 8.577 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

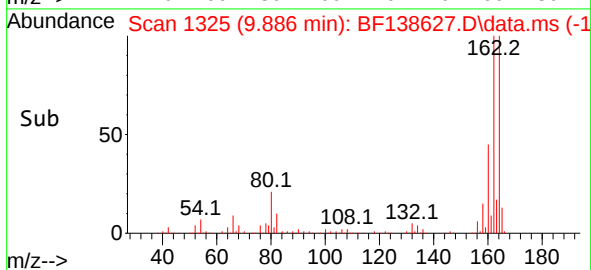
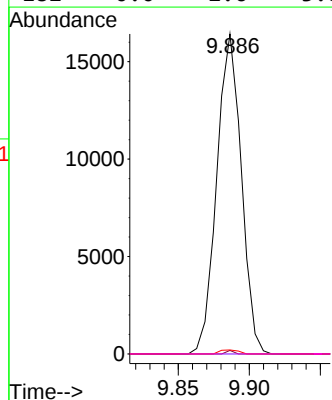
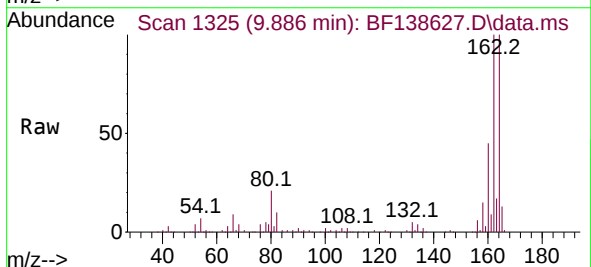
Instrument :
BNA_F
ClientSampleId :

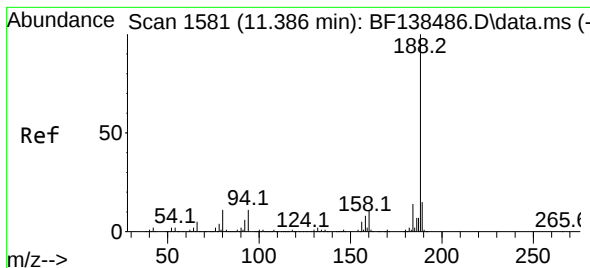
Tgt Ion:165 Resp: 19727
Ion Ratio Lower Upper
165 100
63 1.1 48.1 72.1#
89 1.3 43.0 64.6#



#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 :

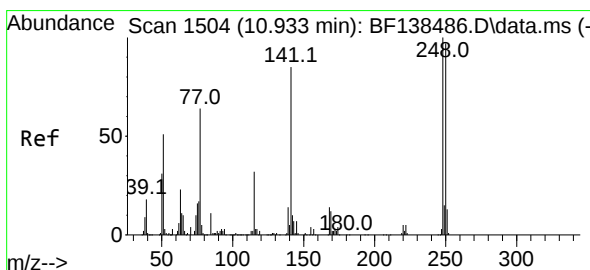
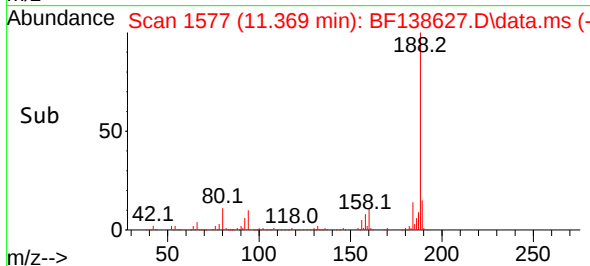
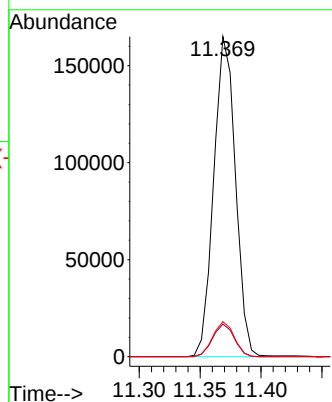
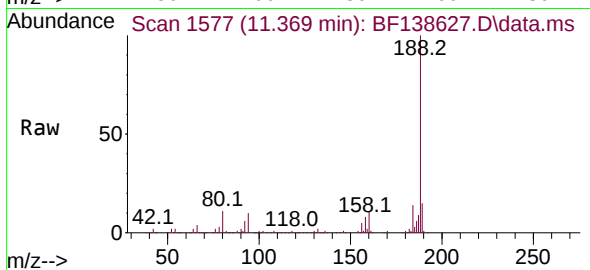
Tgt Ion:188 Resp: 204842

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

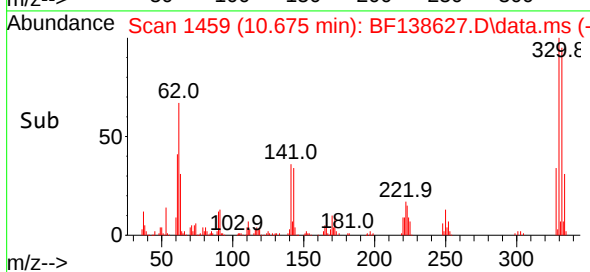
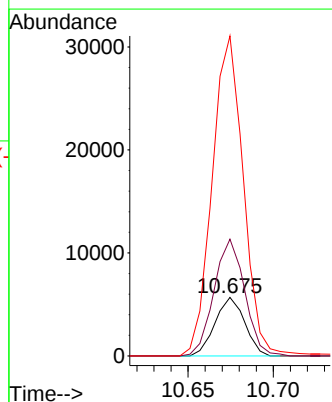
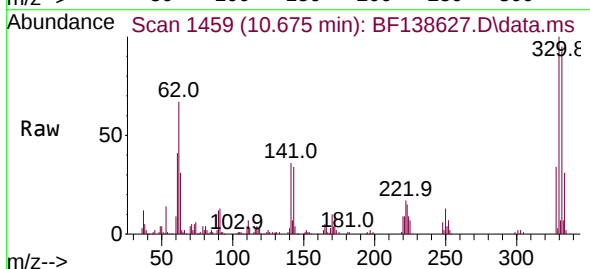
Tgt Ion:248 Resp: 6880

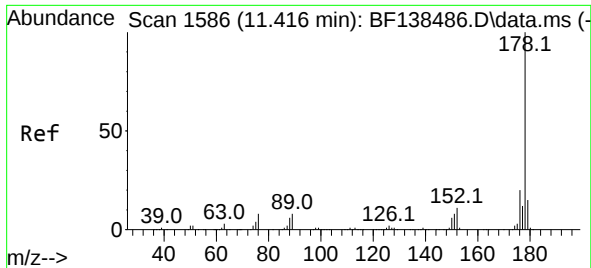
Ion Ratio Lower Upper

248 100

250 199.5 77.9 116.9#

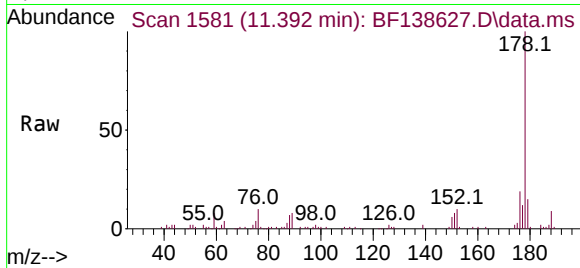
141 546.6 67.7 101.5#



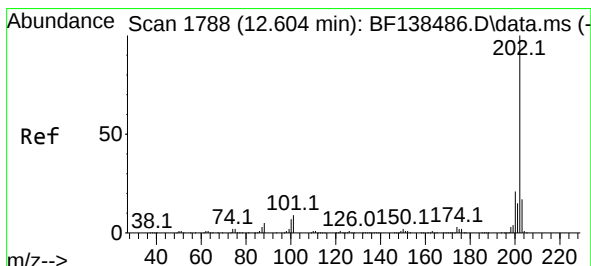
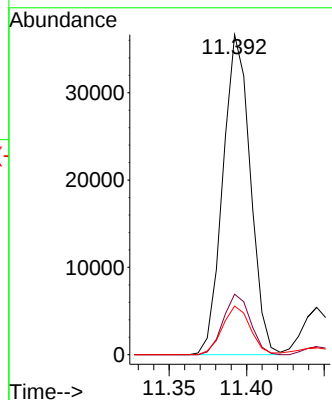
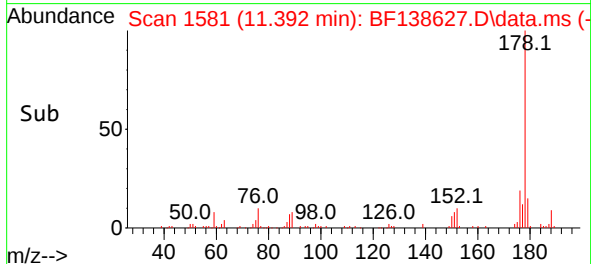


#71
Phenanthrene
Concen: 4.362 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF138627.D
Acq: 23 Jul 2024 19:37

Instrument :
BNA_F
ClientSampleId :

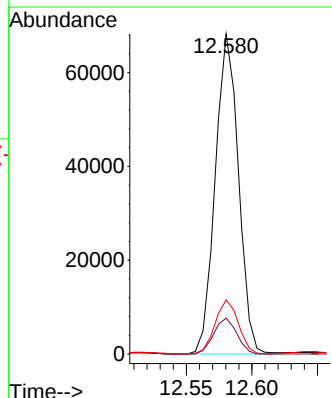
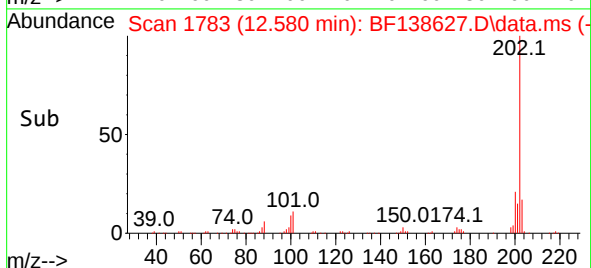
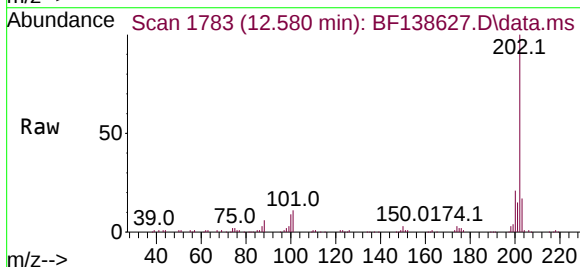


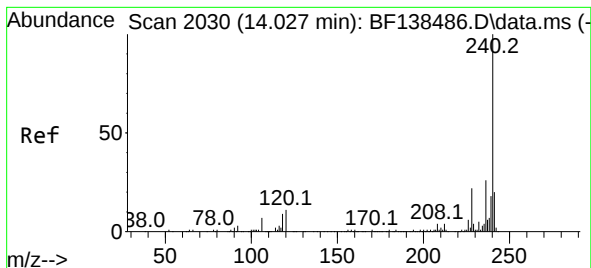
Tgt Ion:178 Resp: 45145
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.2 12.2 18.2



#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 :

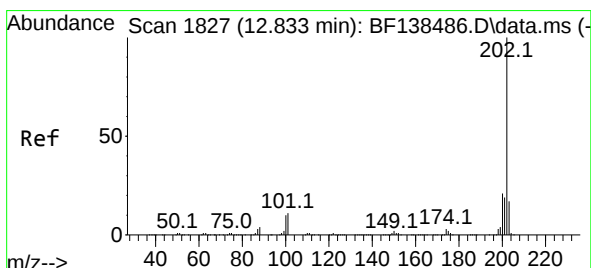
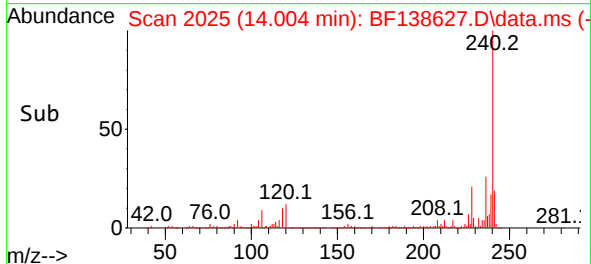
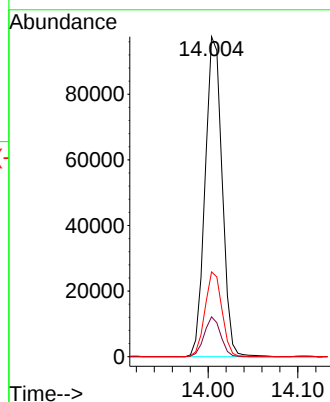
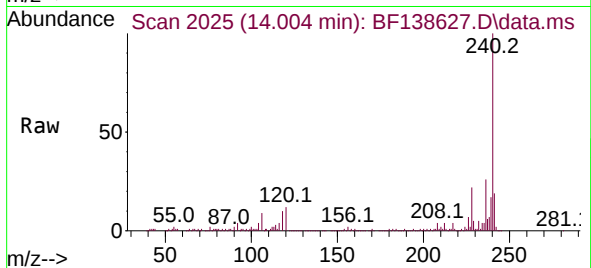
Tgt Ion:240 Resp: 128328

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

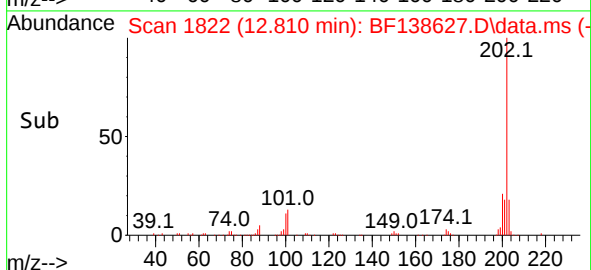
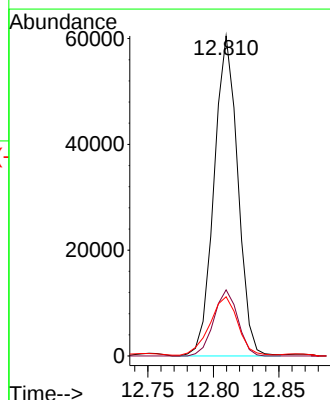
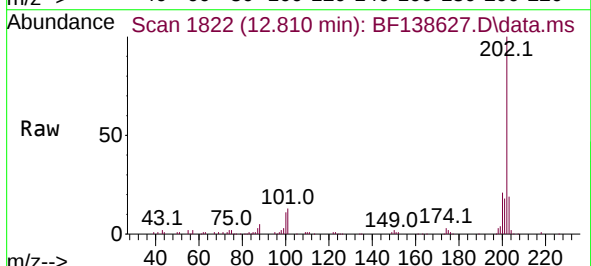
Tgt Ion:202 Resp: 76199

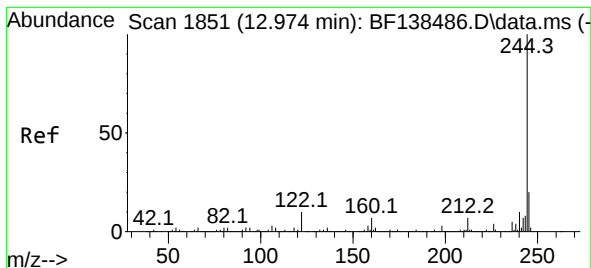
Ion Ratio Lower Upper

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

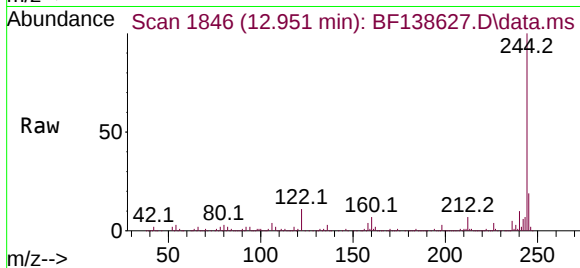
Lab File: BF138627.D

Acq: 23 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :



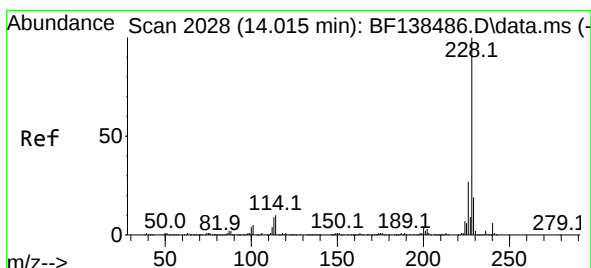
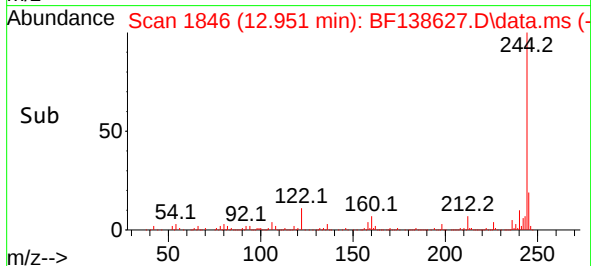
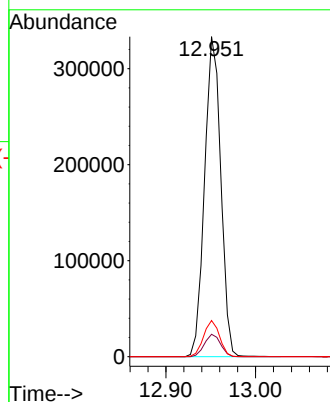
Tgt Ion:244 Resp: 418625

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

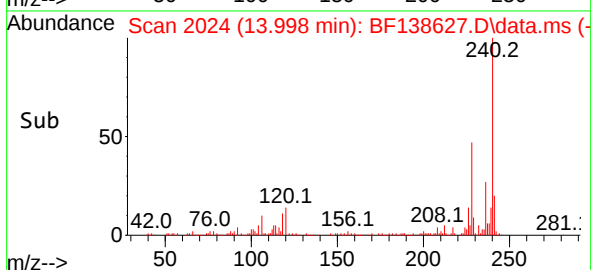
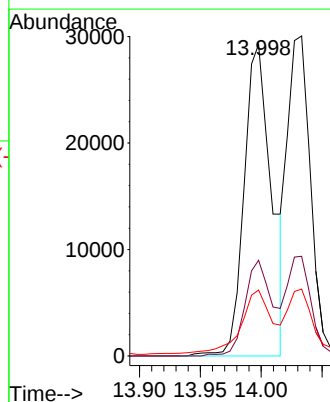
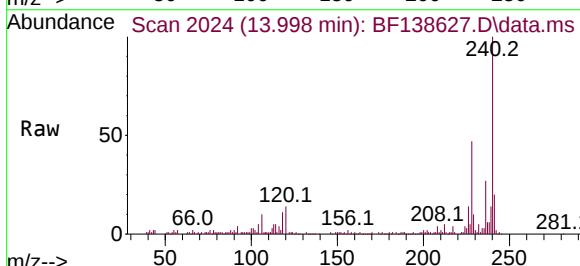
Tgt Ion:228 Resp: 45716

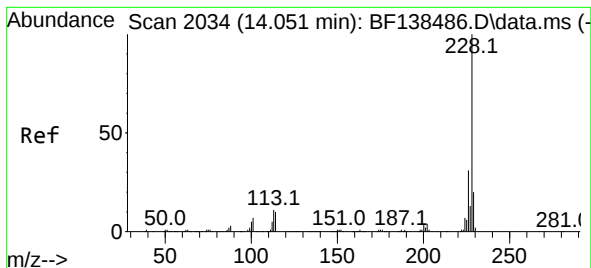
Ion Ratio Lower Upper

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 :

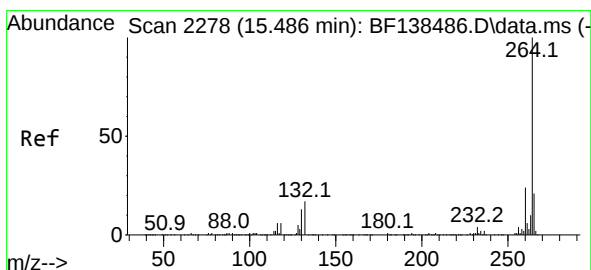
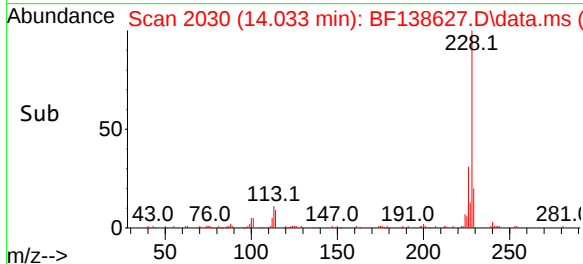
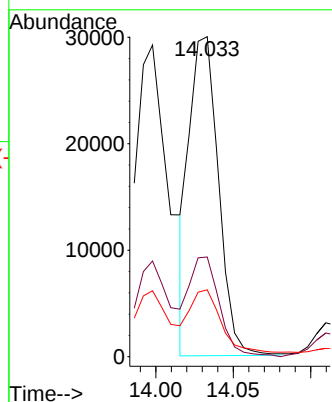
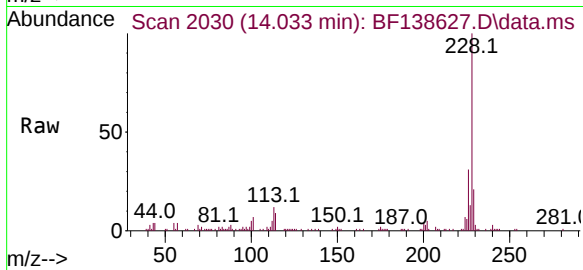
Tgt Ion:228 Resp: 39333

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

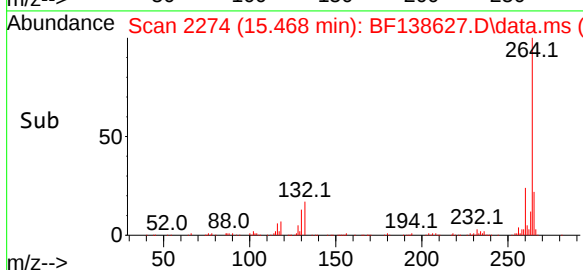
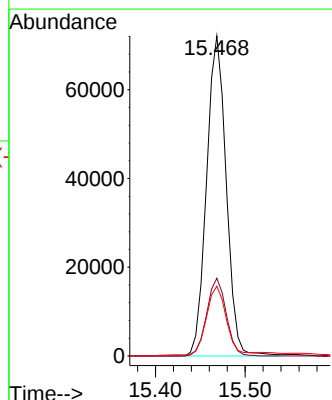
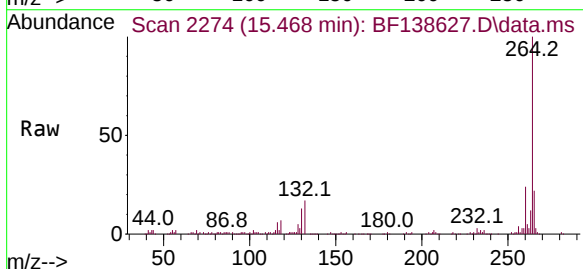
Tgt Ion:264 Resp: 109610

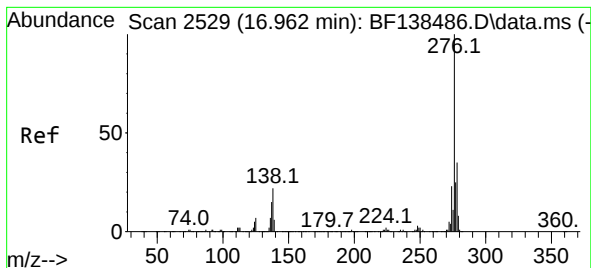
Ion Ratio Lower Upper

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

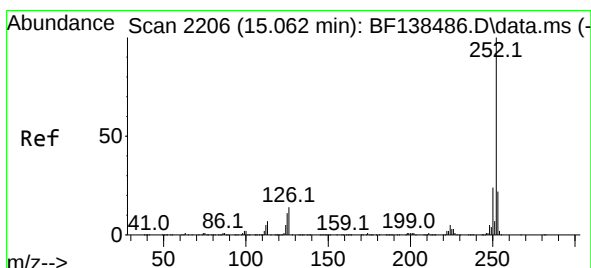
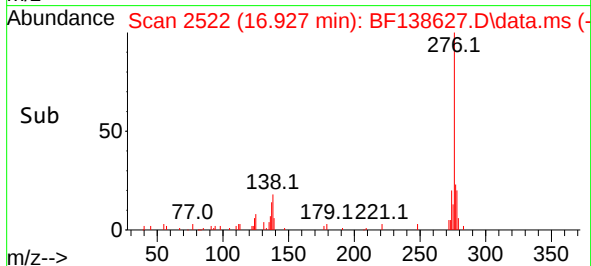
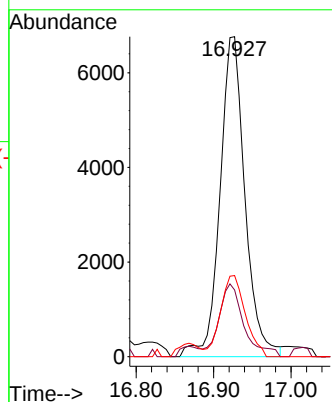
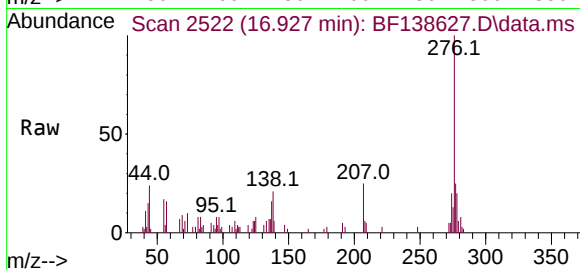
Acq: 23 Jul 2024 19:37

Instrument :

BNA_F

ClientSampleId :

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

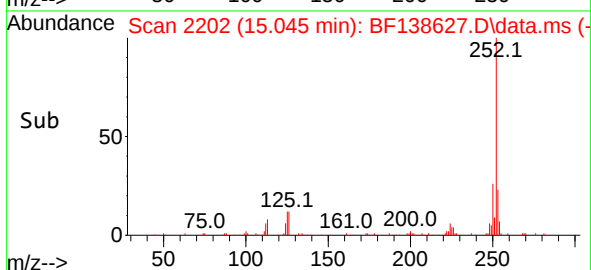
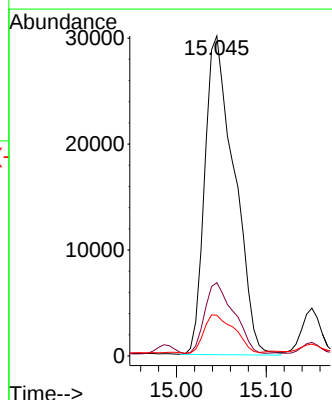
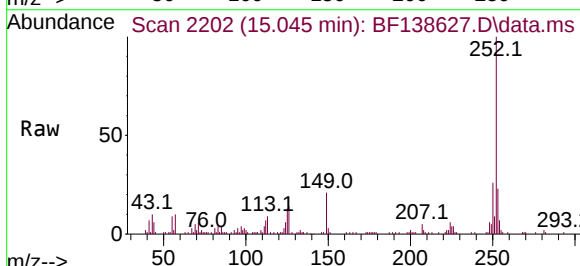
RT: 15.045 min Scan# 2202

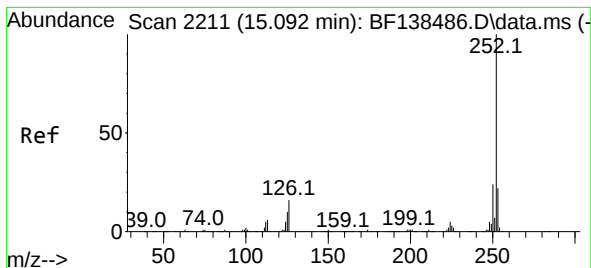
Delta R.T. -0.017 min

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 :

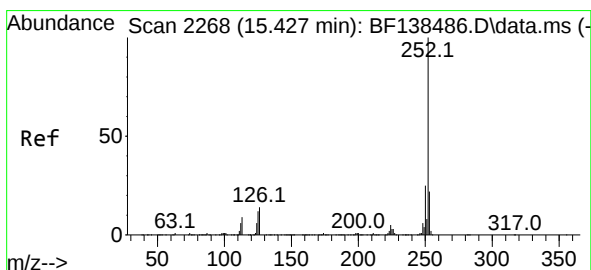
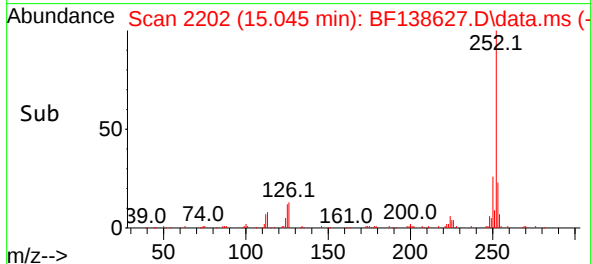
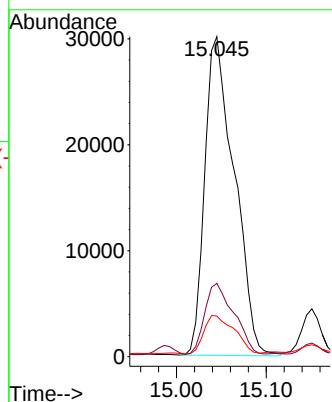
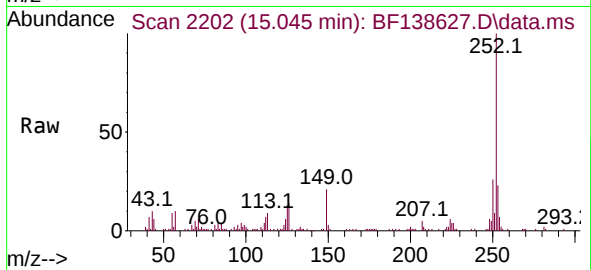
Tgt Ion:252 Resp: 68788

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

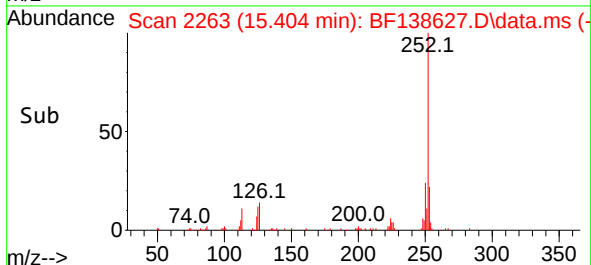
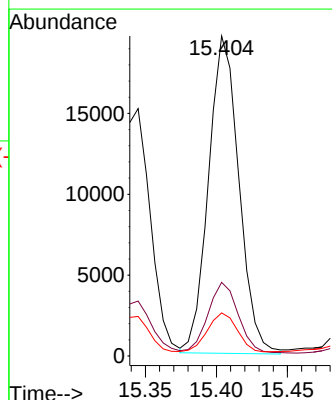
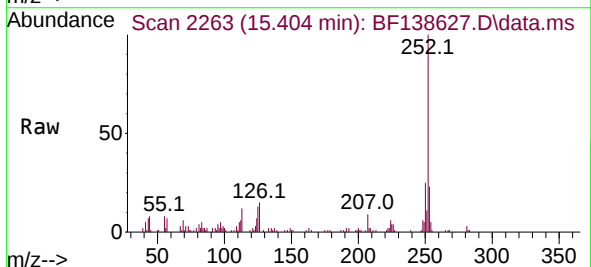
Tgt Ion:252 Resp: 29287

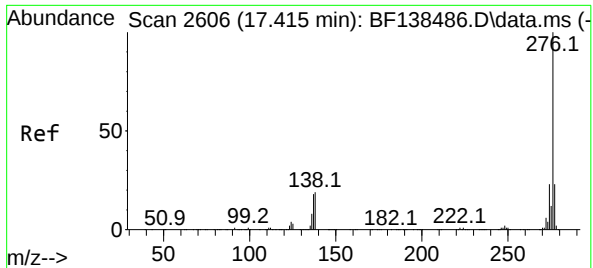
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

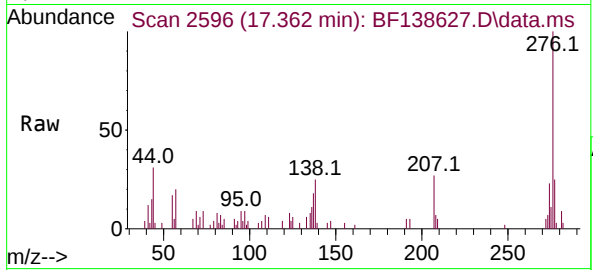
125 13.4 9.4 14.2





#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 :



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#

