

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138800.D
 Acq On : 05 Aug 2024 23:08
 Operator : RC/JU
 Sample : P3362-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11978RE

Quant Time: Aug 06 00:58:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

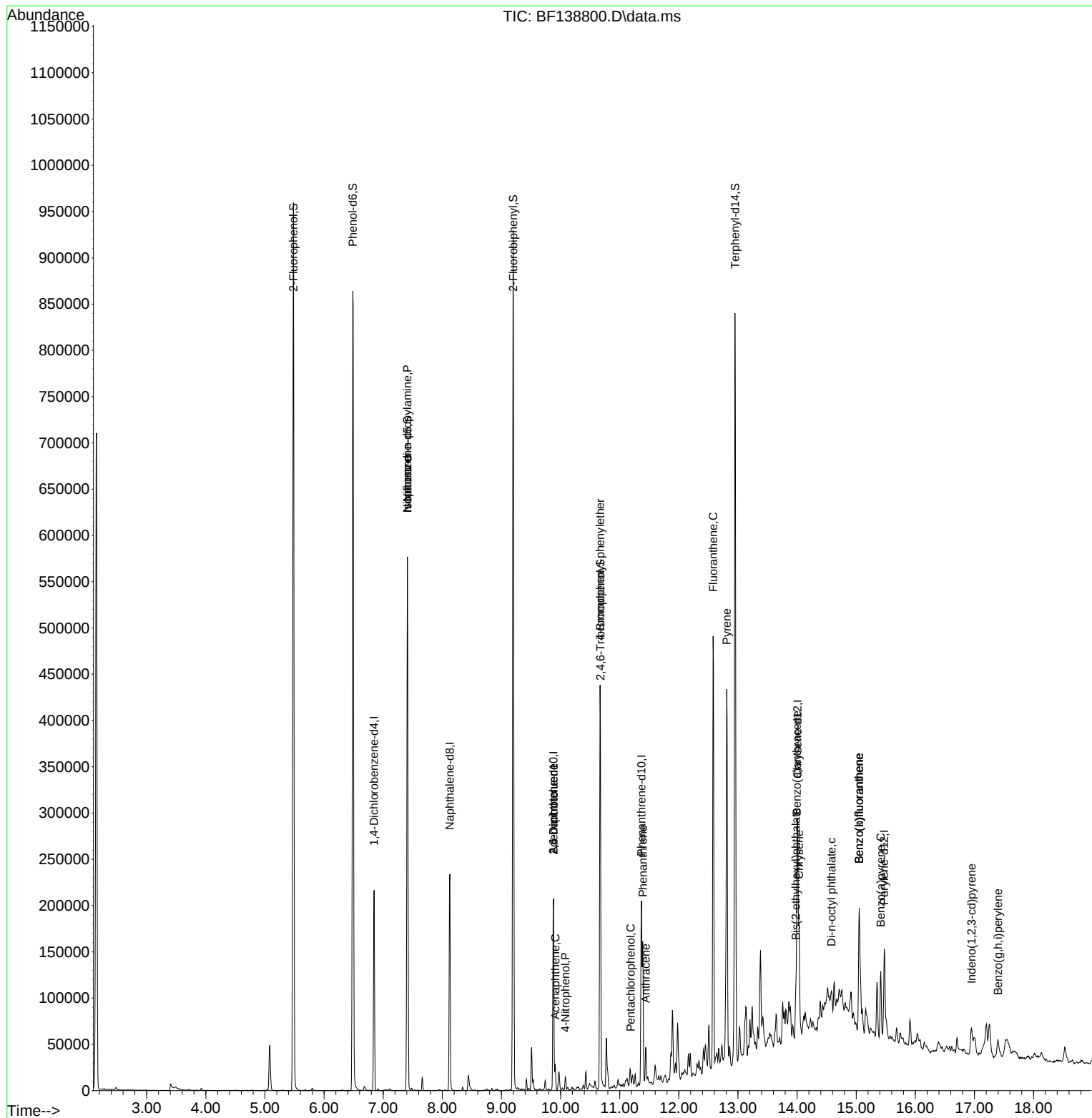
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	40552	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	142569	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	60671	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	100059	20.000	ng	0.00
76) Chrysene-d12	14.010	240	60181	20.000	ng	0.00
86) Perylene-d12	15.474	264	50676	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	328802	125.162	ng	0.01
7) Phenol-d6	6.486	99	407685	115.588	ng	0.00
23) Nitrobenzene-d5	7.410	82	250501	85.905	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	64311	129.404	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	397661	98.479	ng	0.00
79) Terphenyl-d14	12.951	244	376618	104.777	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	34584	16.235	ng	# 76
25) Isophorone	7.410	82	248287	49.864	ng	# 66
51) 2,6-Dinitrotoluene	9.880	165	7989	9.125	ng	# 19
52) Acenaphthene	9.910	154	8231	2.443	ng	# 98
56) 4-Nitrophenol	10.080	139	2370	4.354	ng	# 1
57) 2,4-Dinitrotoluene	9.880	165	7989	7.152	ng	# 16
67) 4-Bromophenyl-phenylether	10.669	248	4697	4.336	ng	# 1
70) Pentachlorophenol	11.186	266	1691	3.354	ng	# 86
71) Phenanthrene	11.392	178	81239	15.768	ng	# 99
72) Anthracene	11.439	178	24810	4.888	ng	# 98
75) Fluoranthene	12.580	202	260447	54.148	ng	# 98
78) Pyrene	12.810	202	226982	40.059	ng	# 98
81) Benzo(a)anthracene	13.998	228	77983	18.817	ng	# 96
83) Chrysene	14.033	228	63776	17.058	ng	# 96
84) Bis(2-ethylhexyl)phtha...	13.980	149	10900	4.102	ng	# 95
85) Di-n-octyl phthalate	14.580	149	12220	2.486	ng	# 36
87) Indeno(1,2,3-cd)pyrene	16.951	276	21310	5.868	ng	# 85
88) Benzo(b)fluoranthene	15.051	252	101046	32.166	ng	# 99
89) Benzo(k)fluoranthene	15.051	252	101046	37.151	ng	# 99
90) Benzo(a)pyrene	15.415	252	39852	15.082	ng	# 97
92) Benzo(g,h,i)perylene	17.398	276	16933	5.474	ng	# 96

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

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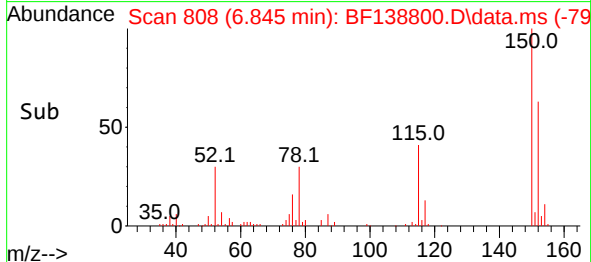
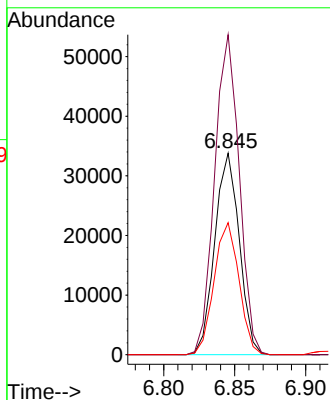
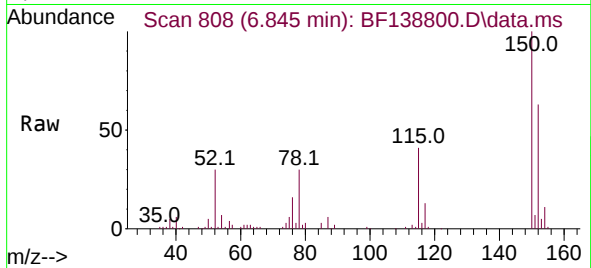




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

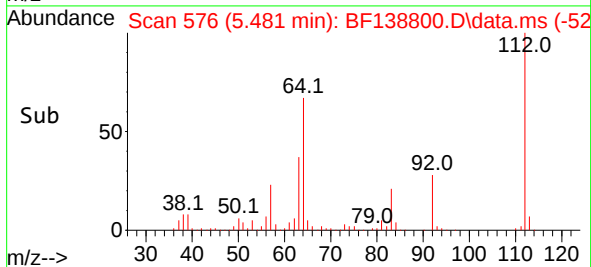
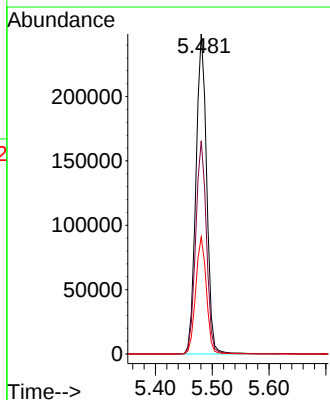
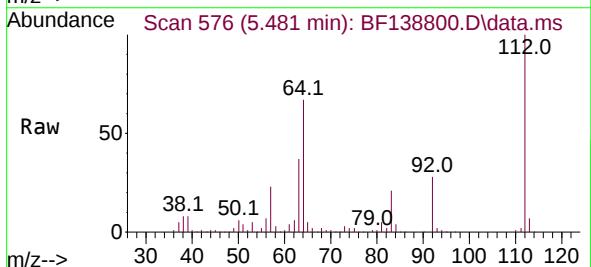
Instrument :
BNA_F
ClientSampleId :
72-11978RE

Tgt Ion:152 Resp: 40552
Ion Ratio Lower Upper
152 100
150 158.9 126.0 189.0
115 65.6 51.7 77.5



#5
2-Fluorophenol
Concen: 125.162 ng
RT: 5.481 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

Tgt Ion:112 Resp: 328802
Ion Ratio Lower Upper
112 100
64 66.6 54.2 81.4
63 36.6 28.7 43.1

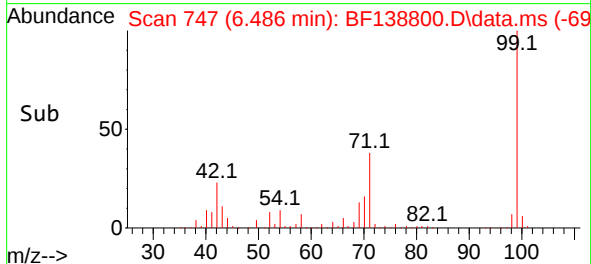
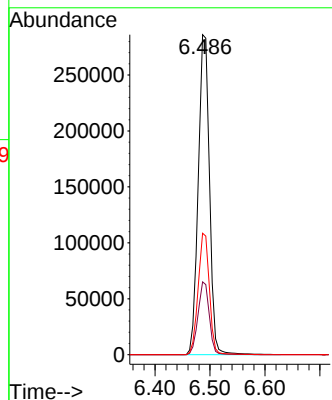
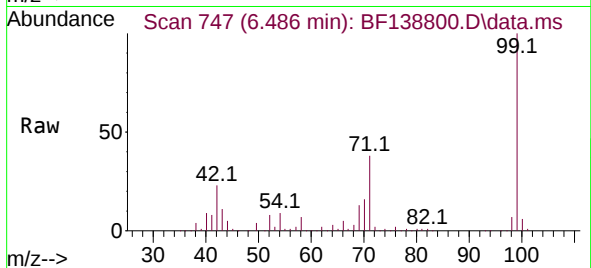




#7
Phenol-d6
Concen: 115.588 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

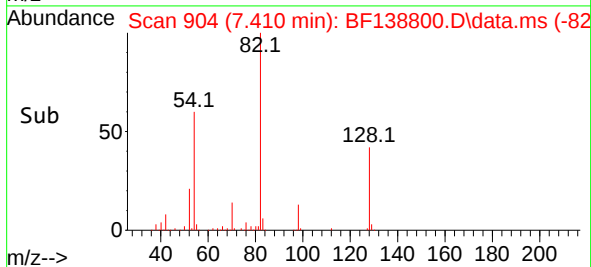
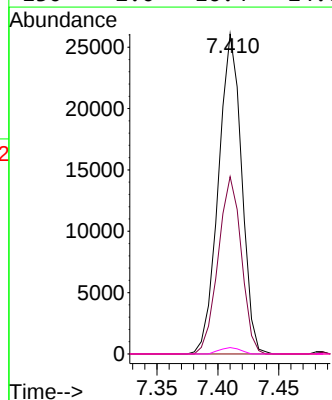
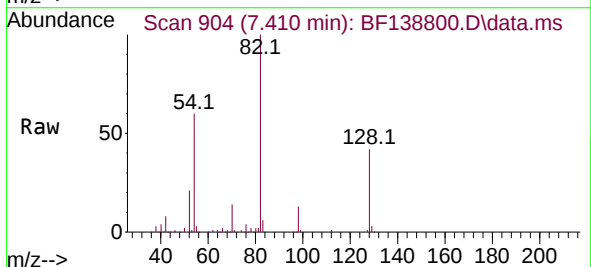
Instrument :
BNA_F
ClientSampleId :
72-11978RE

Tgt Ion: 99 Resp: 407685
Ion Ratio Lower Upper
99 100
42 22.7 17.4 26.0
71 38.0 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 16.235 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.153 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

Tgt Ion: 70 Resp: 34584
Ion Ratio Lower Upper
70 100
42 55.4 57.4 86.0#
101 0.0 7.5 11.3#
130 2.0 16.4 24.6#

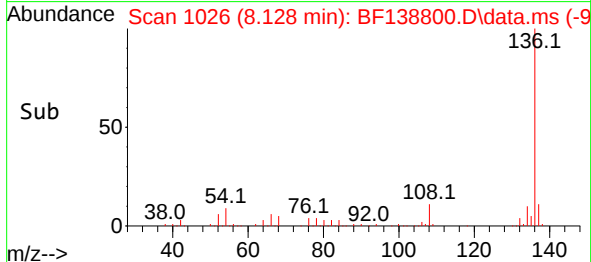
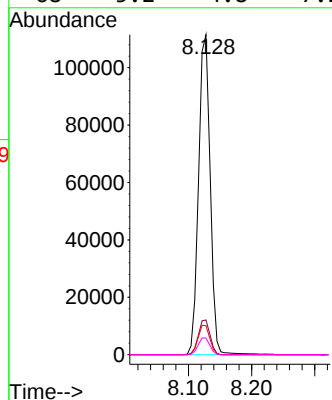
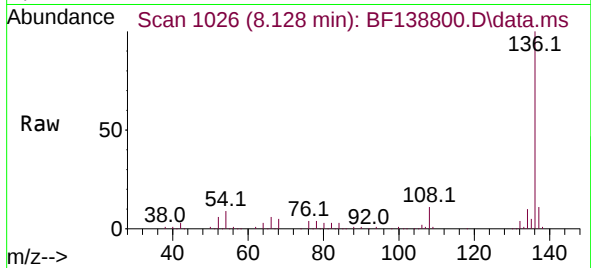




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

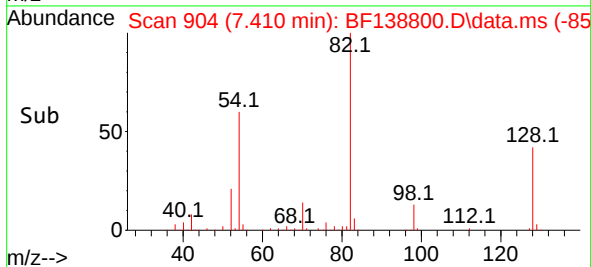
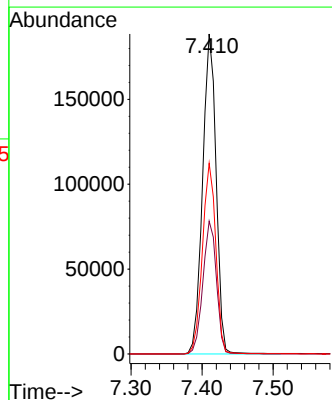
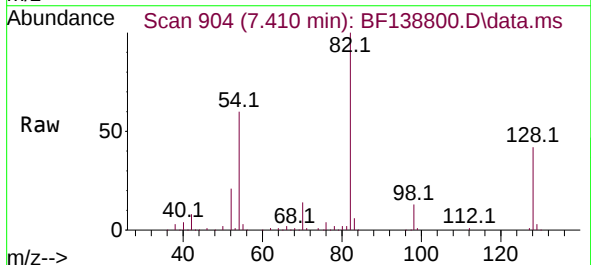
Instrument :
BNA_F
ClientSampleId :
72-11978RE

Tgt Ion:	136	Resp:	142569
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	9.0	8.6	12.8
68	5.2	4.8	7.2



#23
Nitrobenzene-d5
Concen: 85.905 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

Tgt Ion:	82	Resp:	250501
Ion Ratio	Lower	Upper	
82	100		
128	41.5	32.8	49.2
54	59.6	48.3	72.5

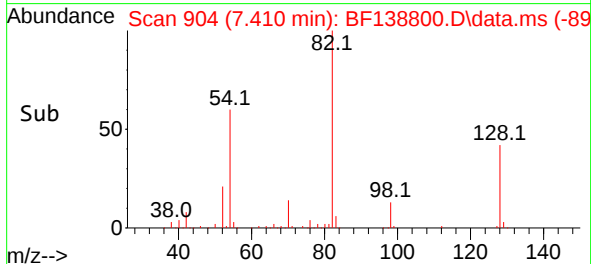
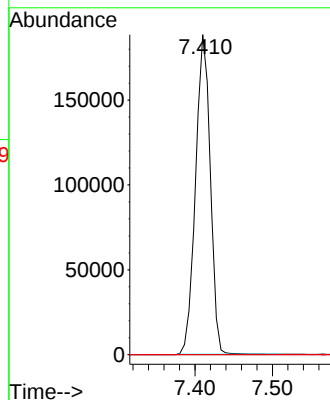
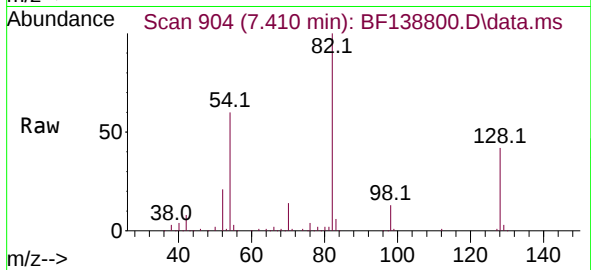




#25
Isophorone
Concen: 49.864 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

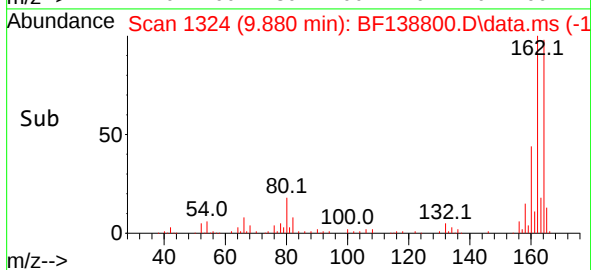
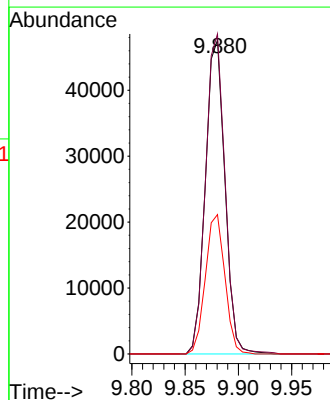
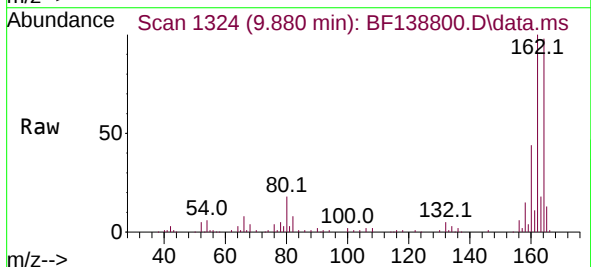
Instrument :
BNA_F
ClientSampleId :
72-11978RE

Tgt Ion: 82 Resp: 248287
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

Tgt Ion:164 Resp: 60671
Ion Ratio Lower Upper
164 100
162 101.9 79.4 119.0
160 44.4 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 129.404 ng

RT: 10.674 min Scan# 1458

Delta R.T. 0.006 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

Instrument :

BNA_F

ClientSampleId :

72-11978RE

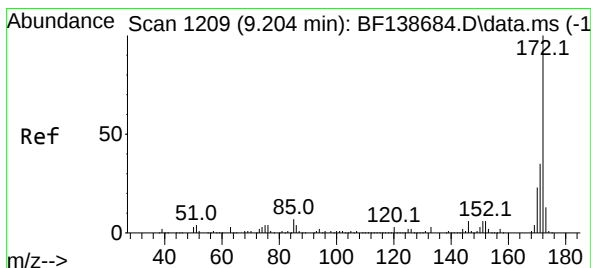
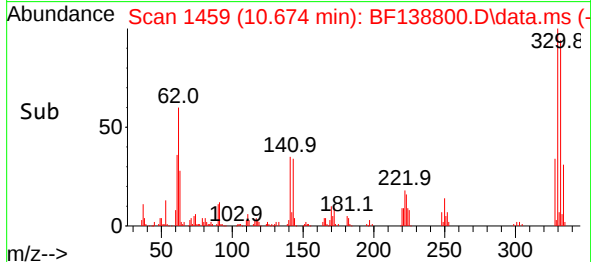
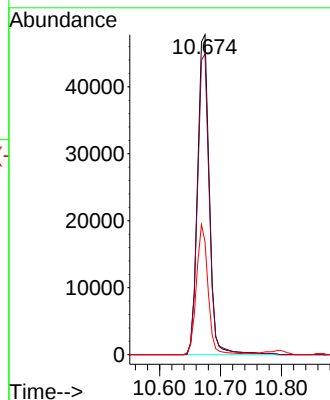
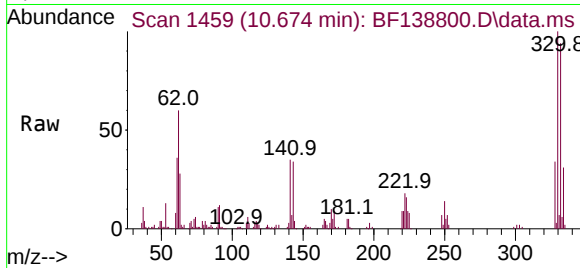
Tgt Ion:330 Resp: 64311

Ion Ratio Lower Upper

330 100

332 94.8 76.4 114.6

141 39.9 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 98.479 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

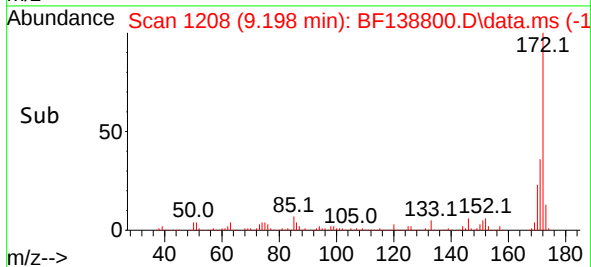
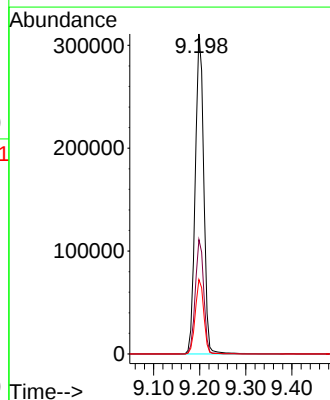
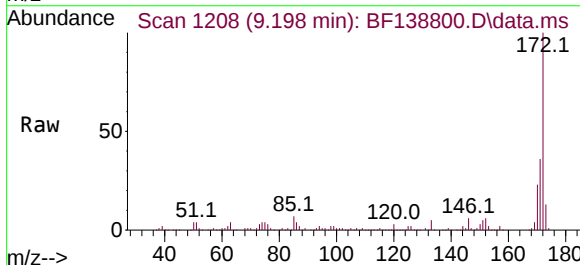
Tgt Ion:172 Resp: 397661

Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.2 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.125 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

Instrument :

BNA_F

ClientSampleId :

72-11978RE

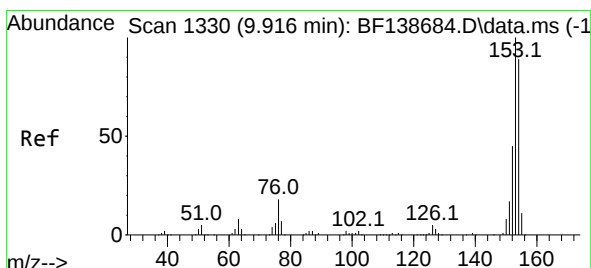
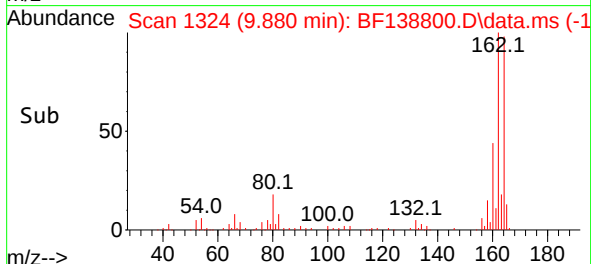
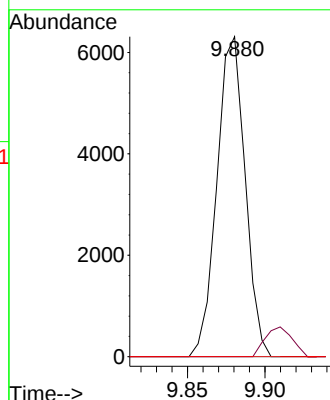
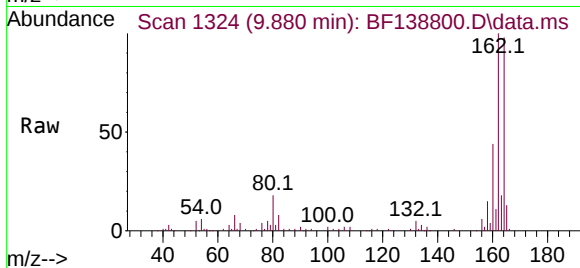
Tgt Ion:165 Resp: 7989

Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

89 0.0 47.0 70.6#



#52

Acenaphthene

Concen: 2.443 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

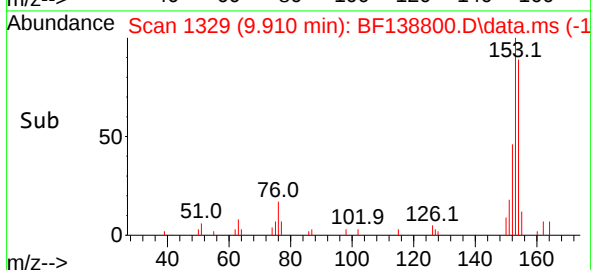
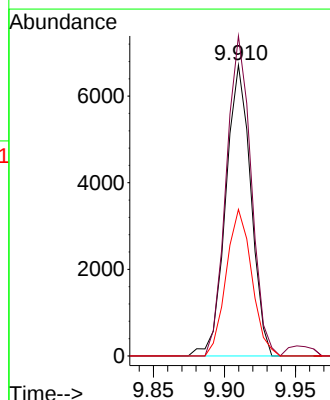
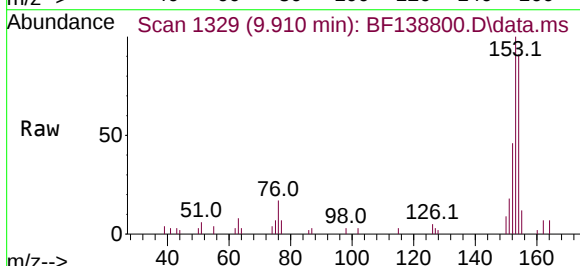
Tgt Ion:154 Resp: 8231

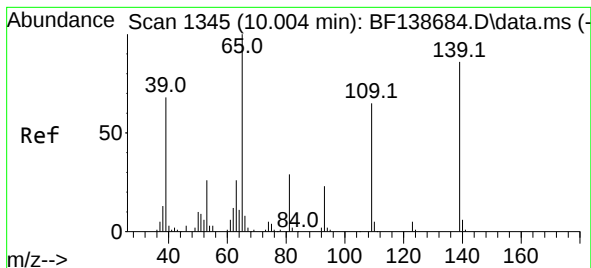
Ion Ratio Lower Upper

154 100

153 110.0 89.9 134.9

152 50.4 40.6 60.8

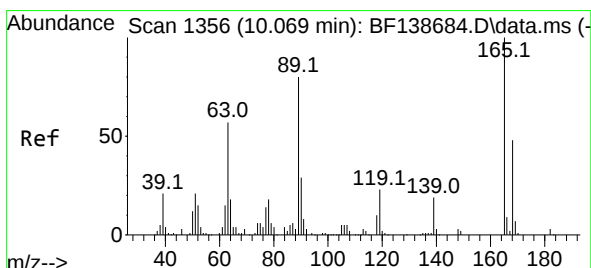
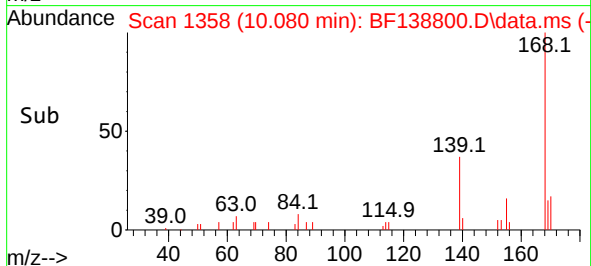
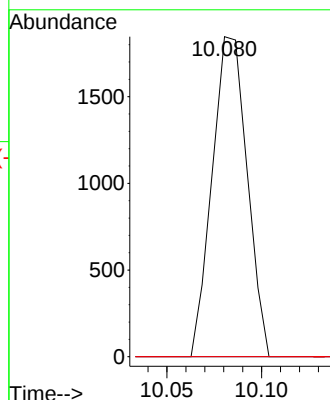
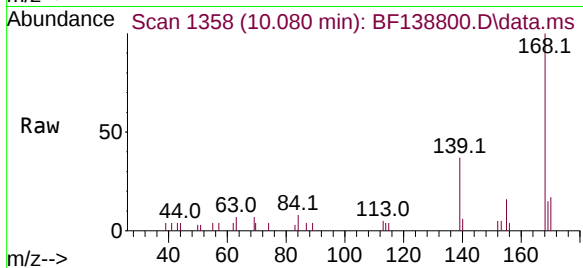




#56
4-Nitrophenol
Concen: 4.354 ng
RT: 10.080 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

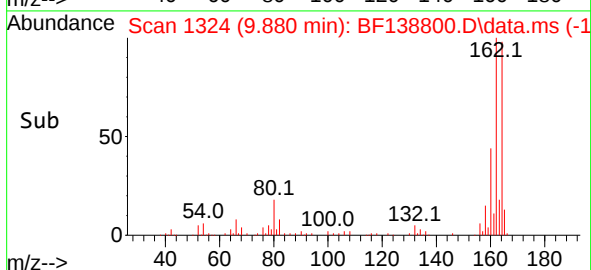
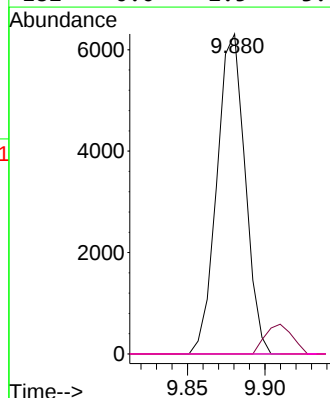
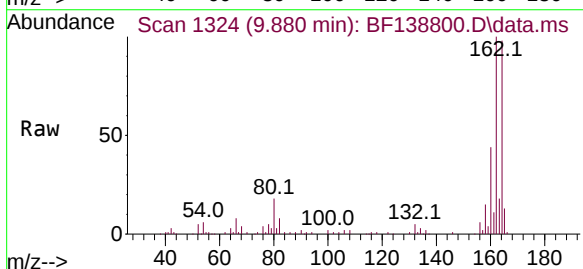
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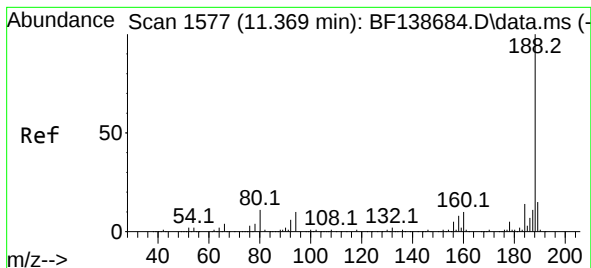
Tgt Ion:139 Resp: 2370
Ion Ratio Lower Upper
139 100
109 0.0 55.5 95.5#
65 0.0 96.7 136.7#



#57
2,4-Dinitrotoluene
Concen: 7.152 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

Tgt Ion:165 Resp: 7989
Ion Ratio Lower Upper
165 100
63 0.0 46.3 69.5#
89 0.0 64.2 96.4#
182 0.0 2.5 3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

Instrument :

BNA_F

ClientSampleId :

72-11978RE

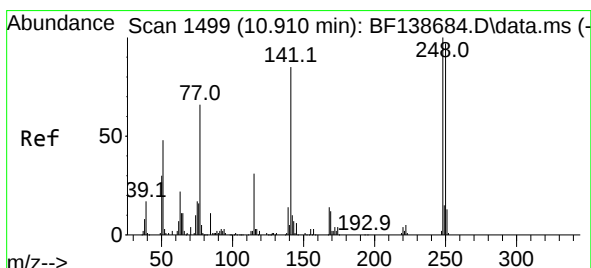
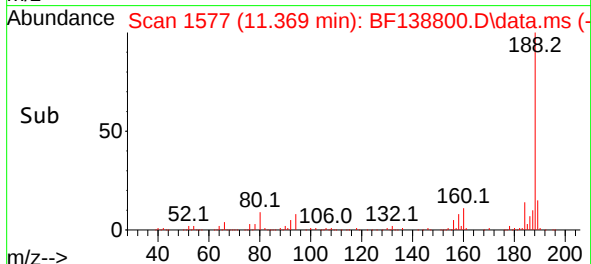
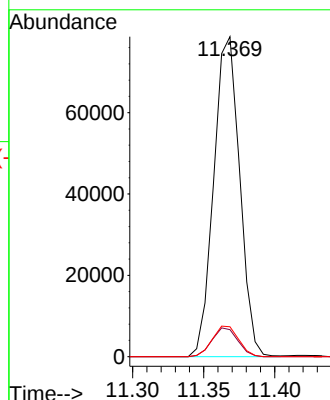
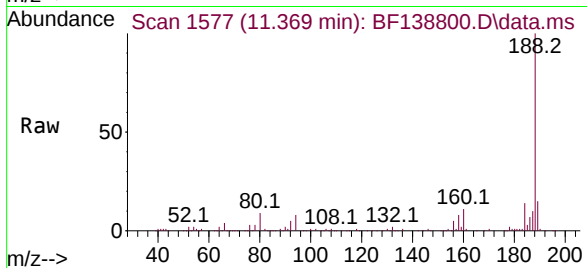
Tgt Ion:188 Resp: 100059

Ion Ratio Lower Upper

188 100

94 8.5 7.6 11.4

80 9.4 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 4.336 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.241 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

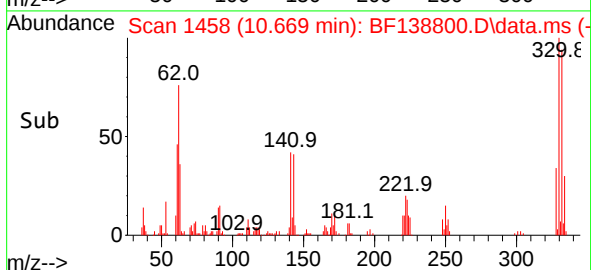
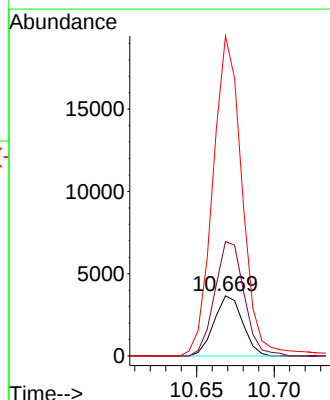
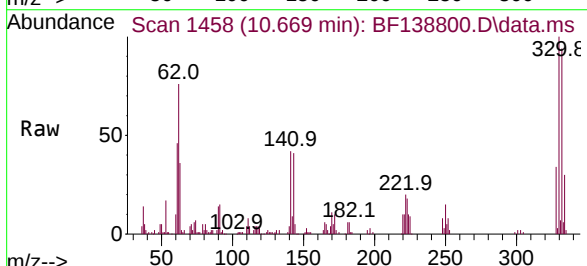
Tgt Ion:248 Resp: 4697

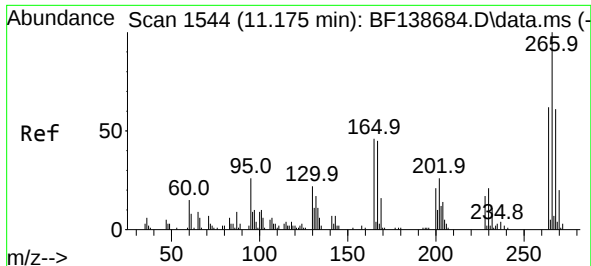
Ion Ratio Lower Upper

248 100

250 190.0 77.7 116.5#

141 531.2 68.0 102.0#

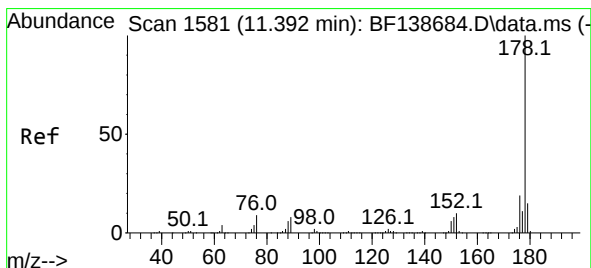
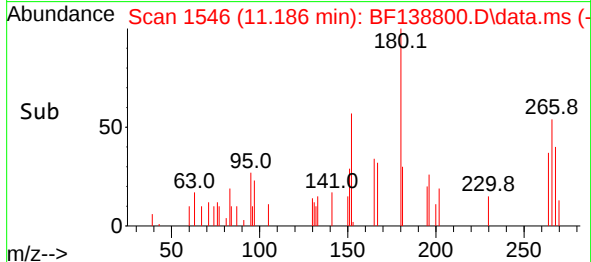
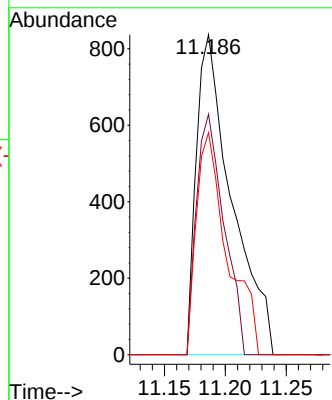
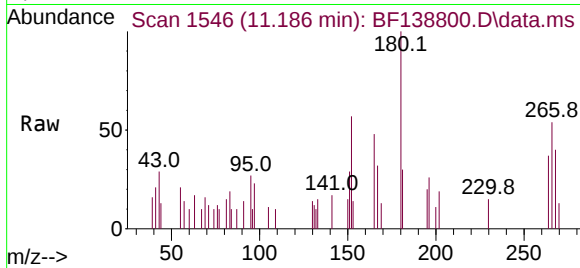




#70
 Pentachlorophenol
 Concen: 3.354 ng
 RT: 11.186 min Scan# 11
 Delta R.T. 0.011 min
 Lab File: BF138800.D
 Acq: 05 Aug 2024 23:08

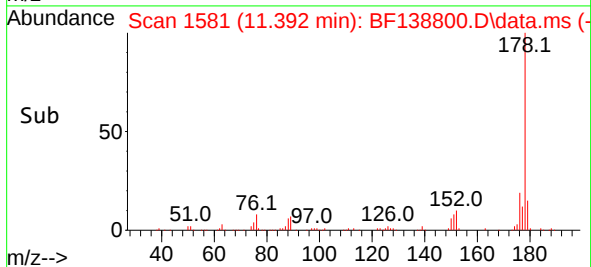
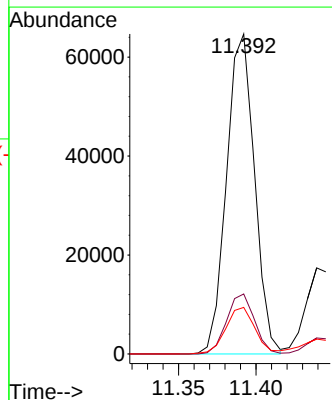
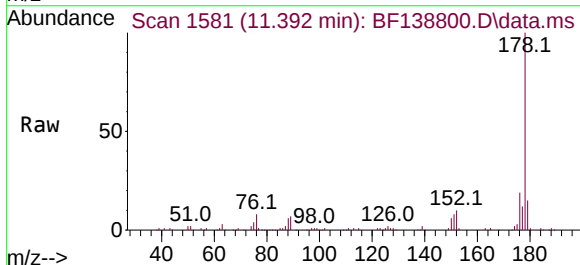
Instrument :
 BNA_F
 ClientSampleId :
 72-11978RE

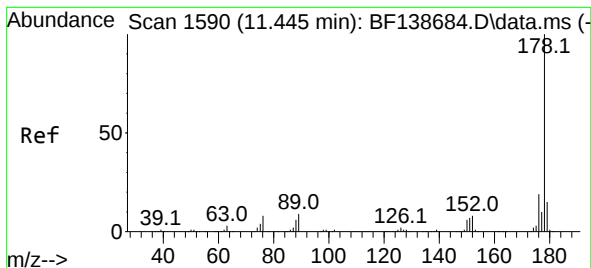
Tgt Ion:266 Resp: 1691
 Ion Ratio Lower Upper
 266 100
 268 75.1 49.2 73.8#
 264 69.4 49.8 74.6



#71
 Phenanthrene
 Concen: 15.768 ng
 RT: 11.392 min Scan# 1581
 Delta R.T. -0.000 min
 Lab File: BF138800.D
 Acq: 05 Aug 2024 23:08

Tgt Ion:178 Resp: 81239
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.0
 179 14.5 12.2 18.2





#72

Anthracene

Concen: 4.888 ng

RT: 11.439 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

Instrument :

BNA_F

ClientSampleId :

72-11978RE

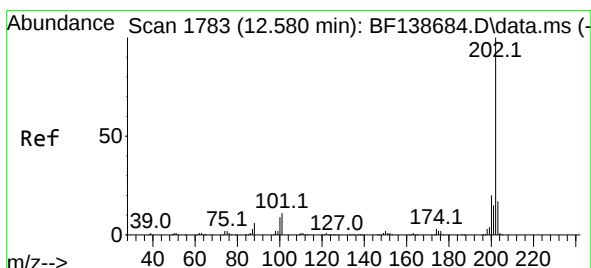
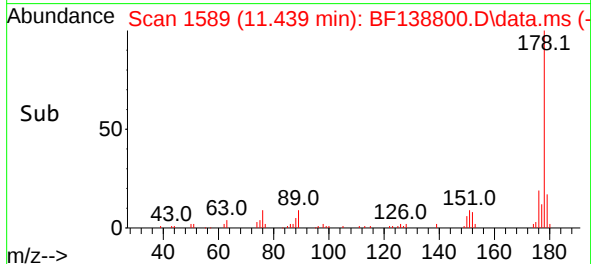
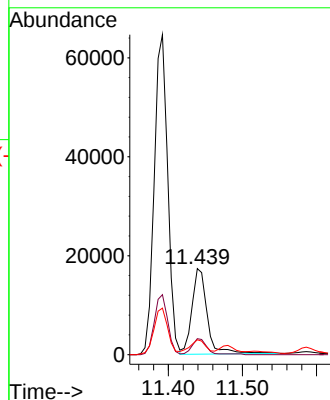
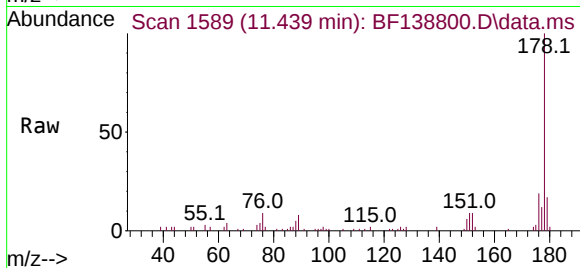
Tgt Ion:178 Resp: 24810

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 17.2 12.4 18.6



#75

Fluoranthene

Concen: 54.148 ng

RT: 12.580 min Scan# 1783

Delta R.T. -0.000 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

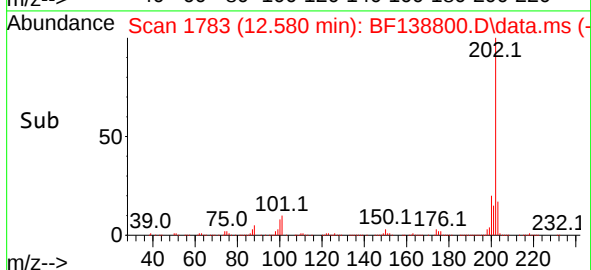
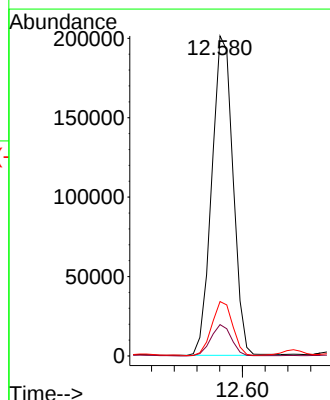
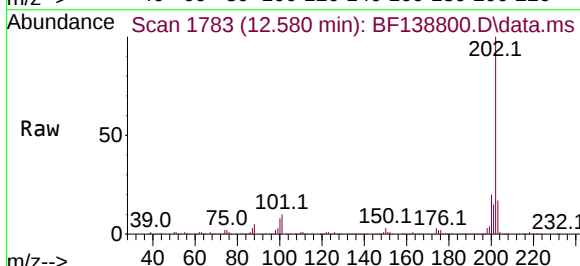
Tgt Ion:202 Resp: 260447

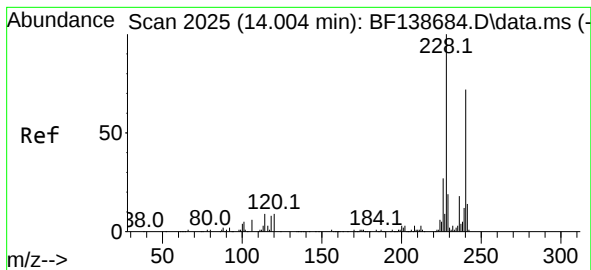
Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.2

203 17.0 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

Instrument :

BNA_F

ClientSampleId :

72-11978RE

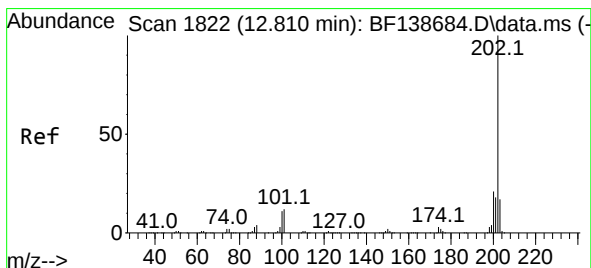
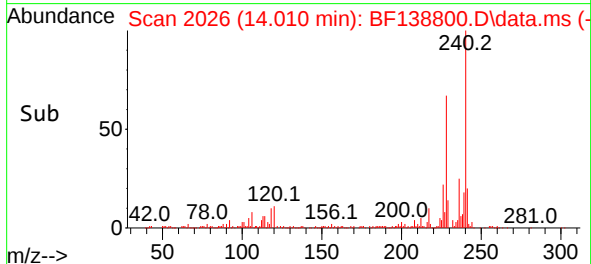
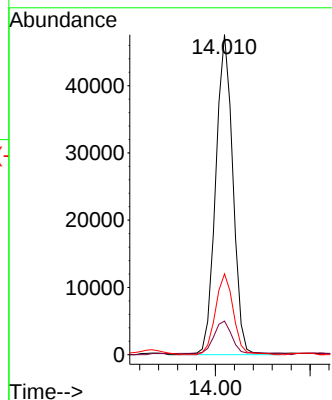
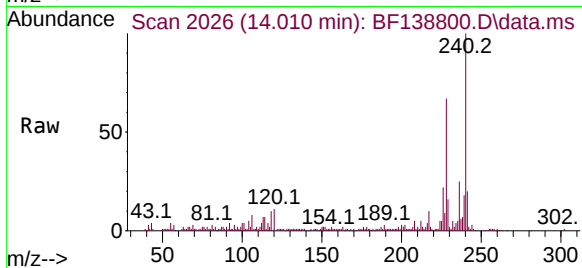
Tgt Ion:240 Resp: 60181

Ion Ratio Lower Upper

240 100

120 10.5 10.2 15.4

236 25.3 19.8 29.8



#78

Pyrene

Concen: 40.059 ng

RT: 12.810 min Scan# 1822

Delta R.T. -0.000 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

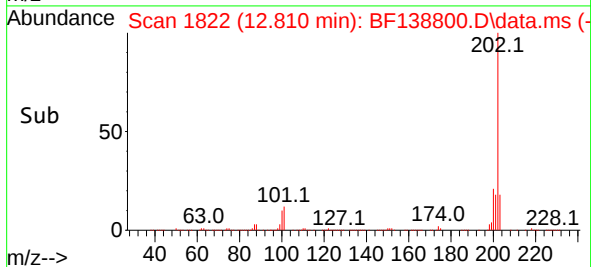
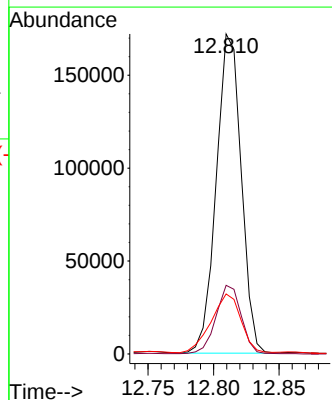
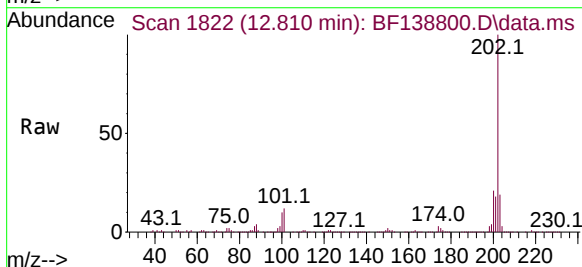
Tgt Ion:202 Resp: 226982

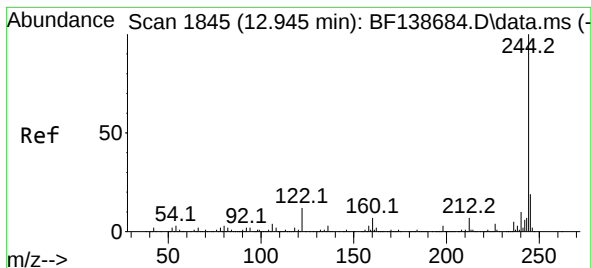
Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 18.8 13.8 20.6





#79

Terphenyl-d14

Concen: 104.777 ng

RT: 12.951 min Scan# 1846

Delta R.T. 0.006 min

Lab File: BF138800.D

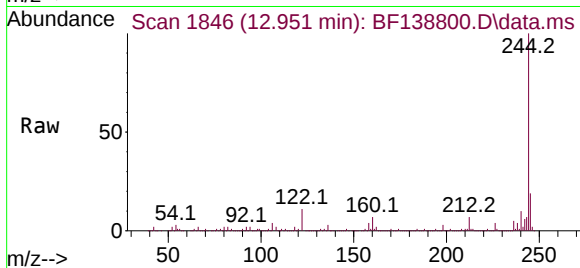
Acq: 05 Aug 2024 23:08

Instrument :

BNA_F

ClientSampleId :

72-11978RE



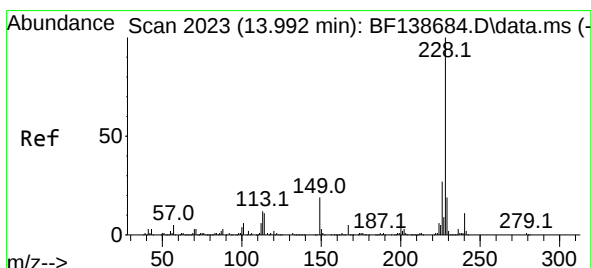
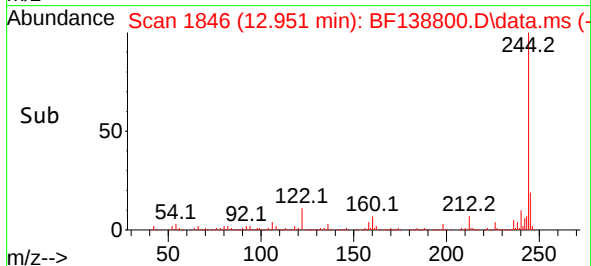
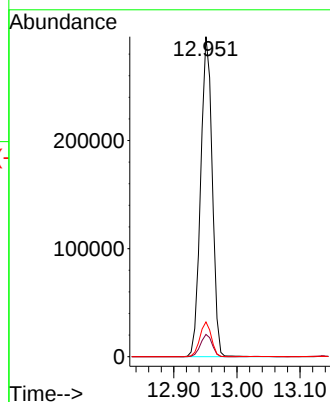
Tgt Ion:244 Resp: 376618

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 10.8 9.6 14.4



#81

Benzo(a)anthracene

Concen: 18.817 ng

RT: 13.998 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

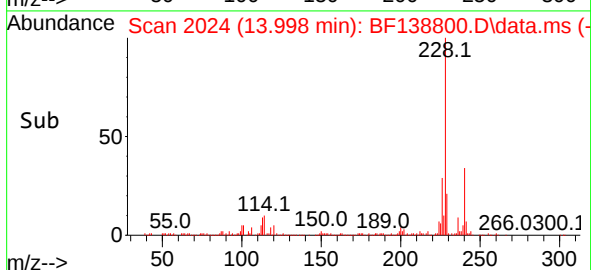
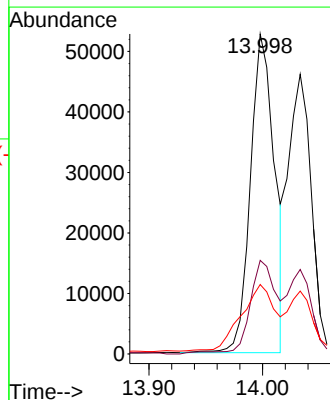
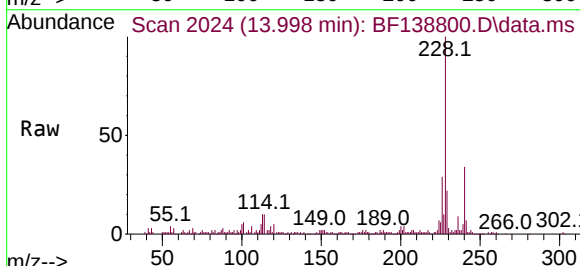
Tgt Ion:228 Resp: 77983

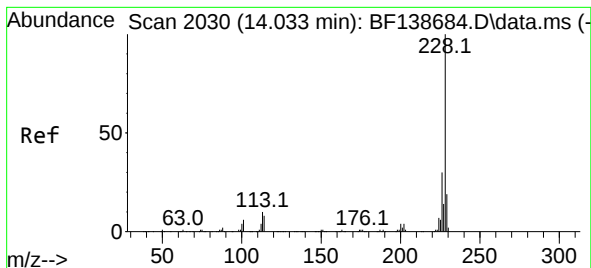
Ion Ratio Lower Upper

228 100

226 29.2 22.1 33.1

229 21.7 15.4 23.0





#83

Chrysene

Concen: 17.058 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

Instrument :

BNA_F

ClientSampleId :

72-11978RE

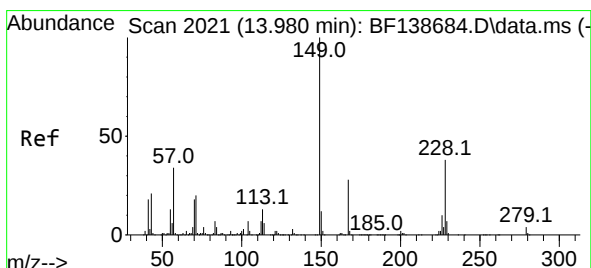
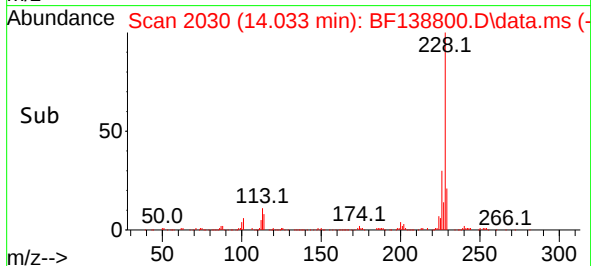
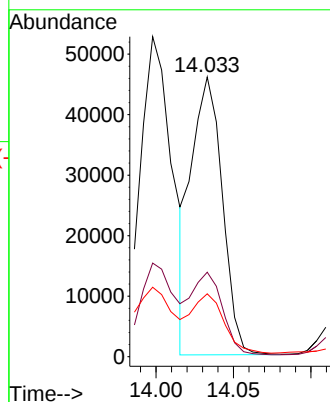
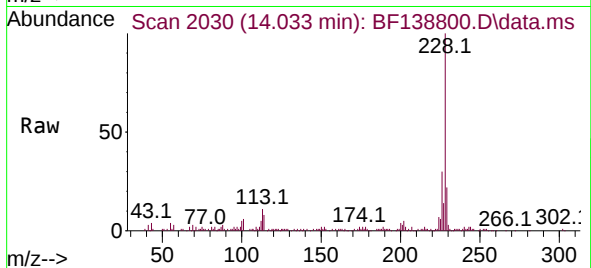
Tgt Ion:228 Resp: 63776

Ion Ratio Lower Upper

228 100

226 30.2 23.7 35.5

229 22.5 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.102 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.000 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

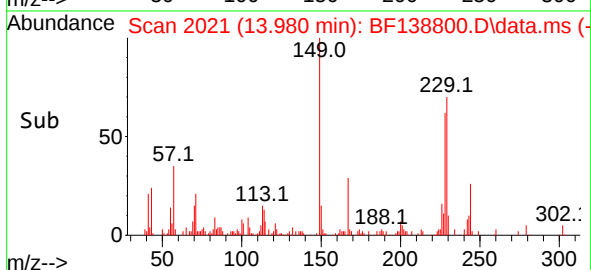
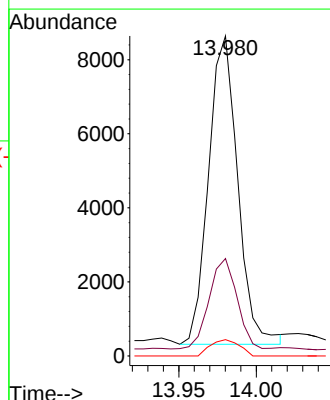
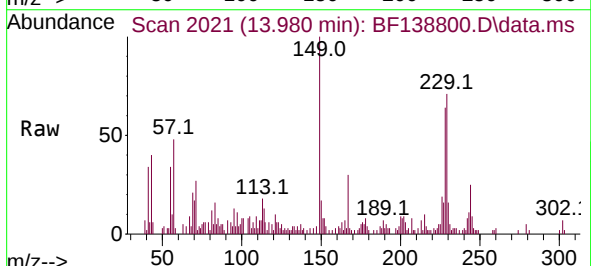
Tgt Ion:149 Resp: 10900

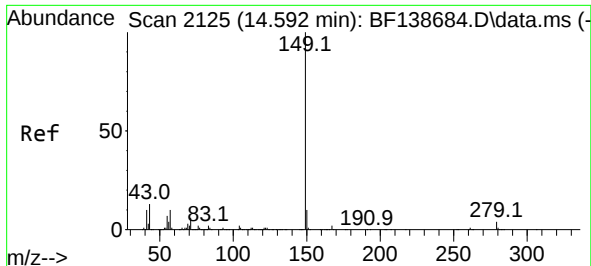
Ion Ratio Lower Upper

149 100

167 30.5 22.2 33.4

279 5.1 3.4 5.0#

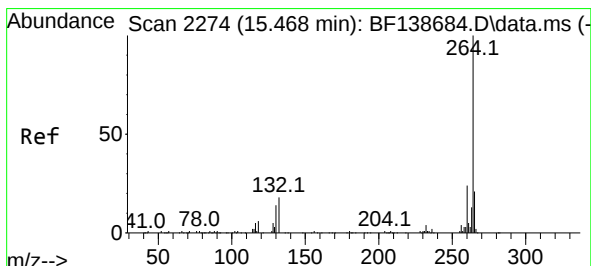
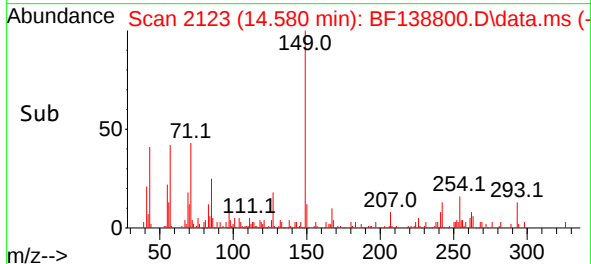
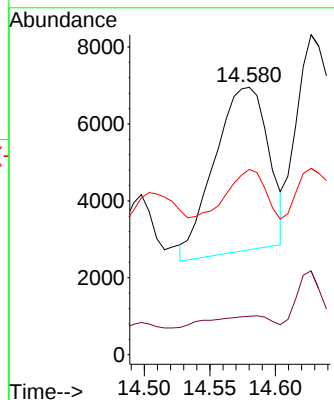
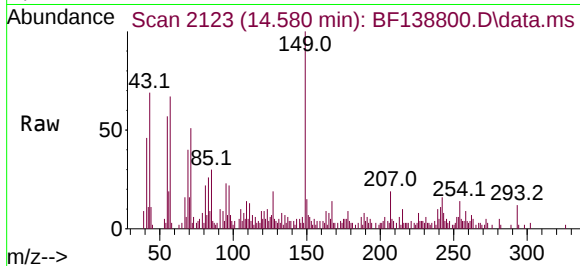




#85
Di-n-octyl phthalate
Concen: 2.486 ng
RT: 14.580 min Scan# 2125
Delta R.T. -0.012 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

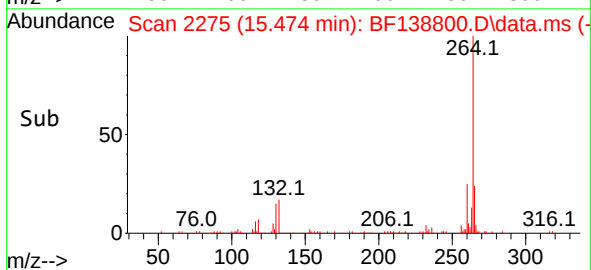
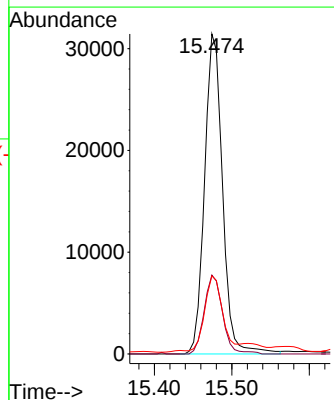
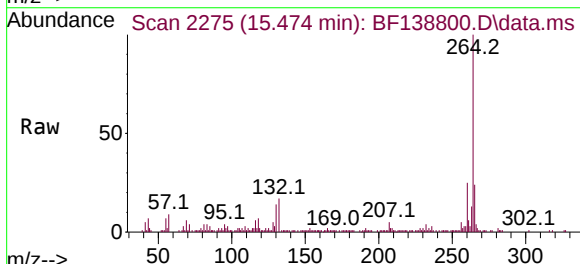
Instrument :
BNA_F
ClientSampleId :
72-11978RE

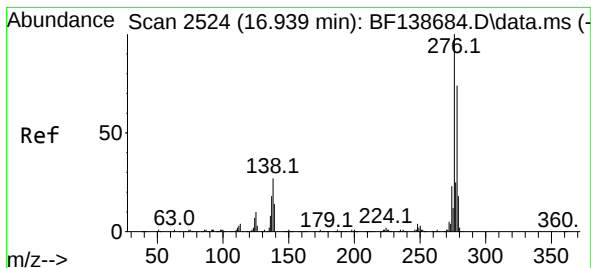
Tgt Ion:149 Resp: 12220
Ion Ratio Lower Upper
149 100
167 21.2 1.4 2.0#
43 39.0 10.4 15.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2275
Delta R.T. 0.006 min
Lab File: BF138800.D
Acq: 05 Aug 2024 23:08

Tgt Ion:264 Resp: 50676
Ion Ratio Lower Upper
264 100
260 24.6 19.0 28.6
265 24.4 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.868 ng

RT: 16.951 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

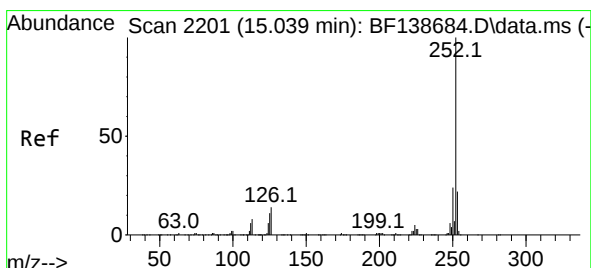
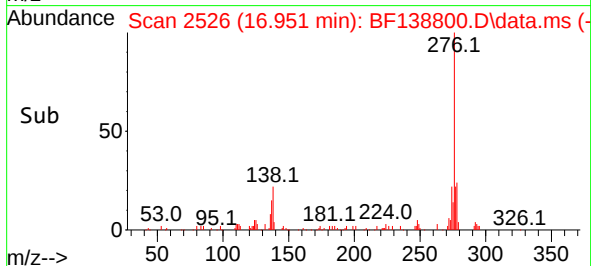
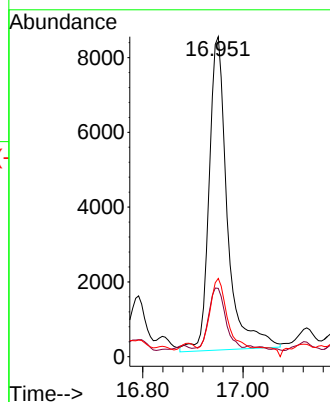
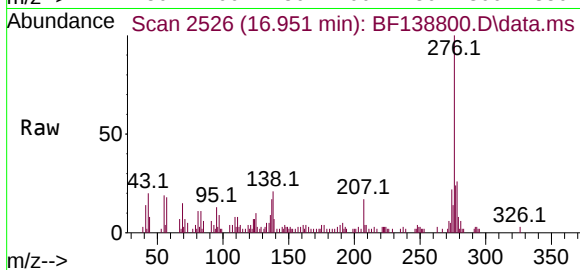
Instrument :

BNA_F

ClientSampleId :

72-11978RE

Tgt Ion:	276	Resp:	21310
Ion Ratio	Lower	Upper	
276	100		
138	17.7	21.8	32.8#
277	20.4	20.6	30.8#



#88

Benzo(b)fluoranthene

Concen: 32.166 ng

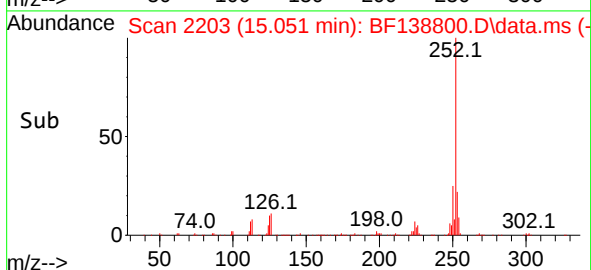
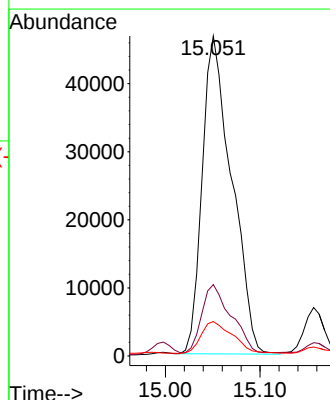
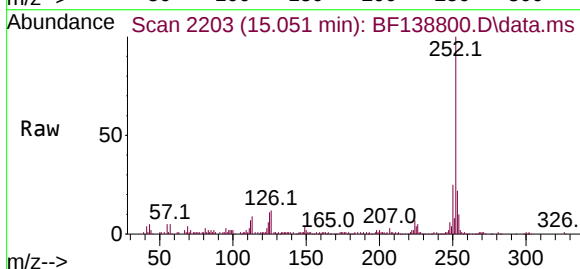
RT: 15.051 min Scan# 2203

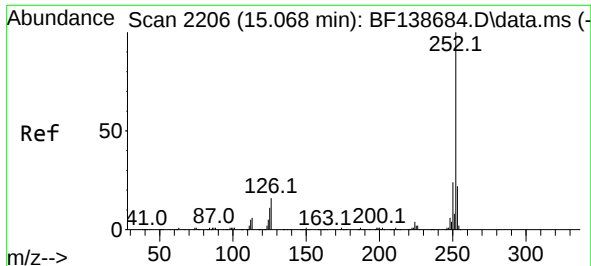
Delta R.T. 0.012 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

Tgt Ion:	252	Resp:	101046
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.5	26.3
125	10.7	8.9	13.3





#89

Benzo(k)fluoranthene

Concen: 37.151 ng

RT: 15.051 min Scan# 2206

Delta R.T. -0.018 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

Instrument :

BNA_F

ClientSampleId :

72-11978RE

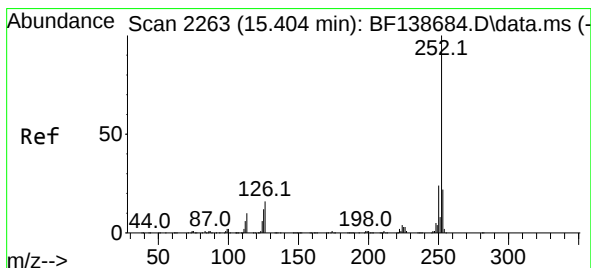
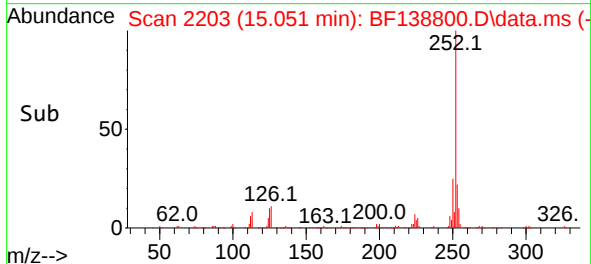
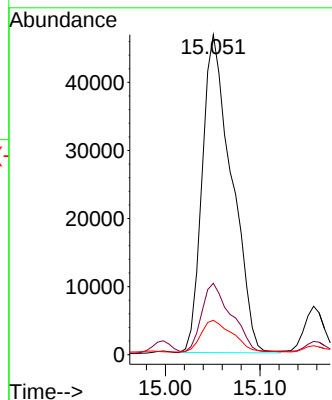
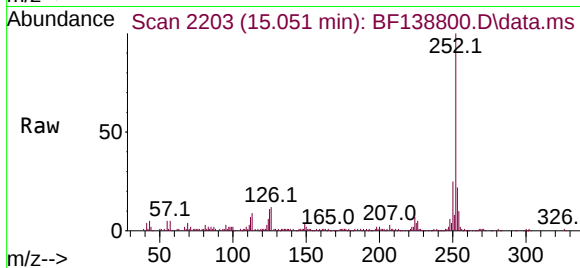
Tgt Ion:252 Resp: 101046

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 10.7 8.6 13.0



#90

Benzo(a)pyrene

Concen: 15.082 ng

RT: 15.415 min Scan# 2265

Delta R.T. 0.012 min

Lab File: BF138800.D

Acq: 05 Aug 2024 23:08

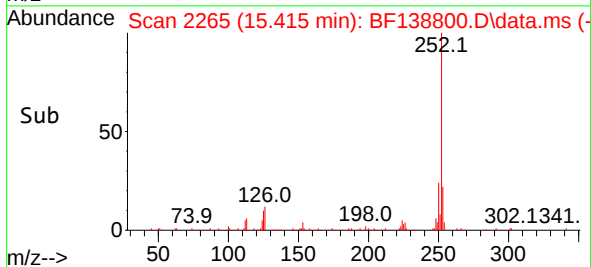
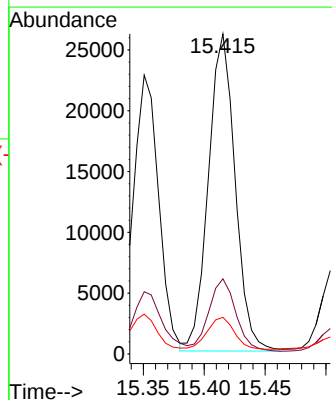
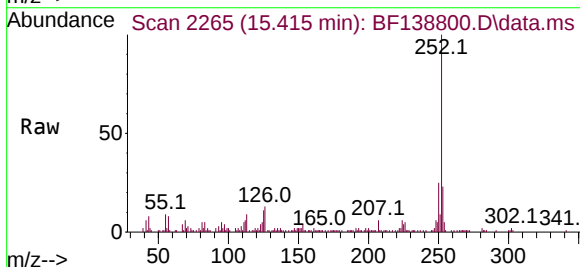
Tgt Ion:252 Resp: 39852

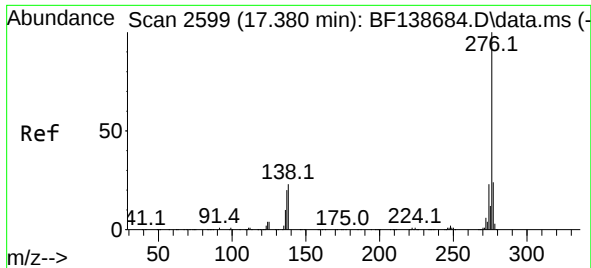
Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

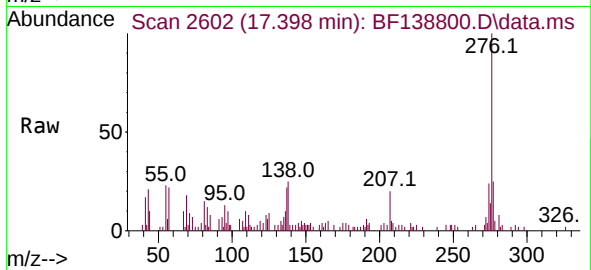
125 11.5 9.5 14.3





#92
 Benzo(g,h,i)perylene
 Concen: 5.474 ng
 RT: 17.398 min Scan# 20
 Delta R.T. 0.018 min
 Lab File: BF138800.D
 Acq: 05 Aug 2024 23:08

Instrument :
 BNA_F
 ClientSampleId :
 72-11978RE



Tgt Ion:	276	Resp:	16933
Ion Ratio	Lower	Upper	
276	100		
277	25.3	19.0	28.4
138	25.1	18.5	27.7

