

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080224\
 Data File : BF138748.D
 Acq On : 02 Aug 2024 15:38
 Operator : RC/JU
 Sample : P3413-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-073124

Quant Time: Aug 02 16:15:34 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)

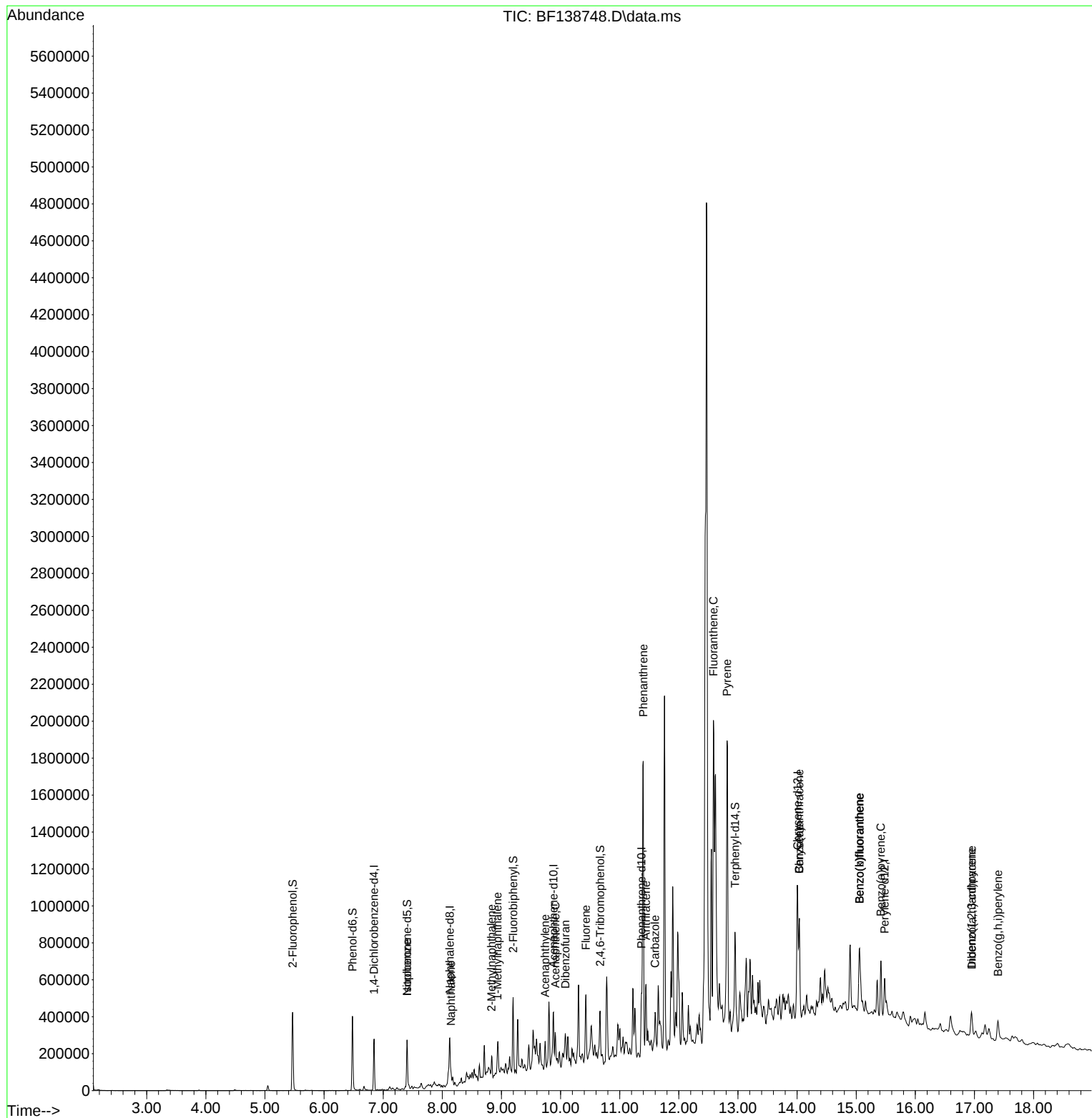
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	51958	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	149689	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	83993	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	162369	20.000	ng	0.00
76) Chrysene-d12	14.010	240	114788	20.000	ng	0.00
86) Perylene-d12	15.480	264	94033	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	149362	44.375	ng	0.00
7) Phenol-d6	6.481	99	175741	38.889	ng	0.00
23) Nitrobenzene-d5	7.404	82	109556	35.783	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	31950	46.438	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	168010	30.054	ng	0.00
79) Terphenyl-d14	12.951	244	232072	33.849	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.404	82	106041	20.284	ng	# 66
31) Naphthalene	8.145	128	33150	4.207	ng	98
37) 2-Methylnaphthalene	8.833	142	43213	8.684	ng	99
38) 1-Methylnaphthalene	8.933	142	50649	10.387	ng	100
49) Acenaphthylene	9.739	152	55377	7.981	ng	# 93
52) Acenaphthene	9.910	154	45225	9.696	ng	96
55) Dibenzofuran	10.080	168	46975	7.134	ng	# 90
58) Fluorene	10.427	166	127665	24.348	ng	99
71) Phenanthrene	11.398	178	864708	103.425	ng	99
72) Anthracene	11.445	178	234599	28.483	ng	99
73) Carbazole	11.598	167	86056	12.110	ng	98
75) Fluoranthene	12.586	202	786248	100.734	ng	98
78) Pyrene	12.816	202	853791	78.999	ng	97
81) Benzo(a)anthracene	14.039	228	259125	32.782	ng	93
83) Chrysene	14.039	228	258294	36.219	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.951	276	90397	13.415	ng	# 93
88) Benzo(b)fluoranthene	15.057	252	291480	50.004	ng	96
89) Benzo(k)fluoranthene	15.057	252	291480	57.754	ng	95
90) Benzo(a)pyrene	15.415	252	174198	35.528	ng	96
91) Dibenzo(a,h)anthracene	16.956	278	25801	4.664	ng	# 85
92) Benzo(g,h,i)perylene	17.398	276	91402	15.923	ng	97

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

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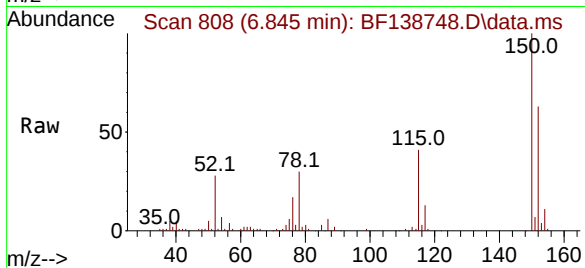
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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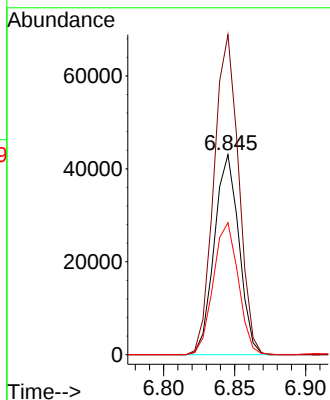
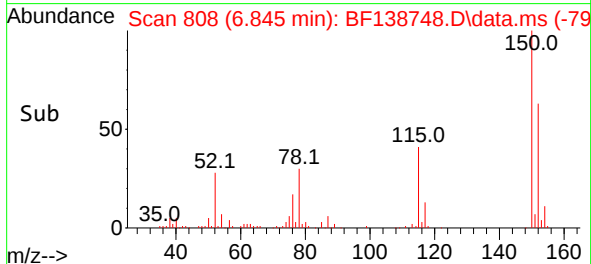


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

Instrument :
BNA_F
ClientSampleId :
EO-02-073124

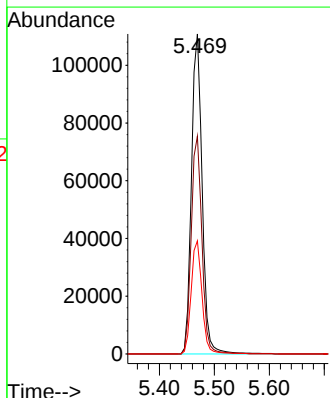
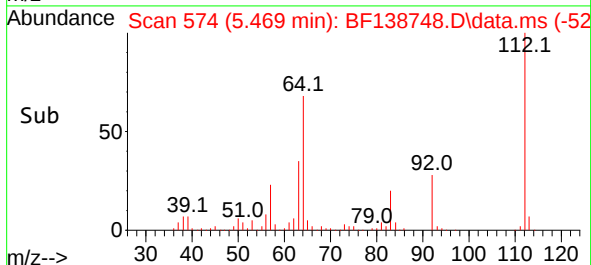
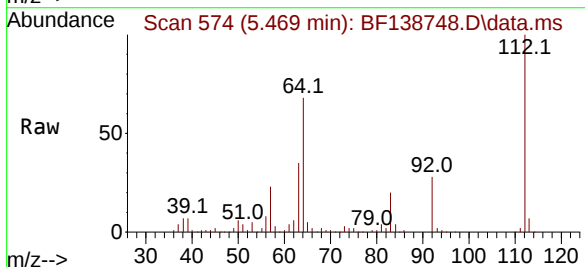


Tgt Ion:152 Resp: 51958
Ion Ratio Lower Upper
152 100
150 160.0 126.0 189.0
115 66.0 51.7 77.5



#5
2-Fluorophenol
Concen: 44.375 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

Tgt Ion:112 Resp: 149362
Ion Ratio Lower Upper
112 100
64 68.1 54.2 81.4
63 35.3 28.7 43.1

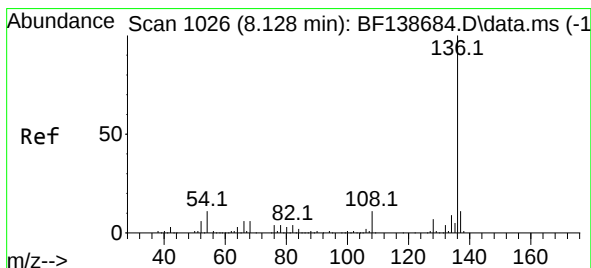
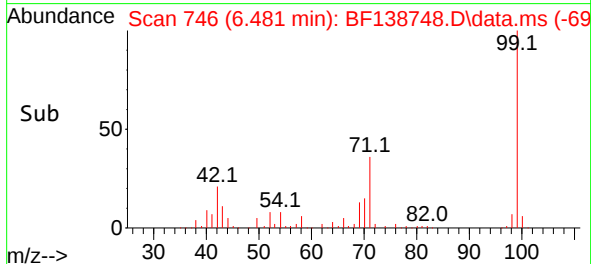
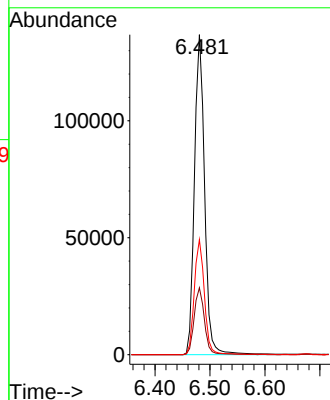
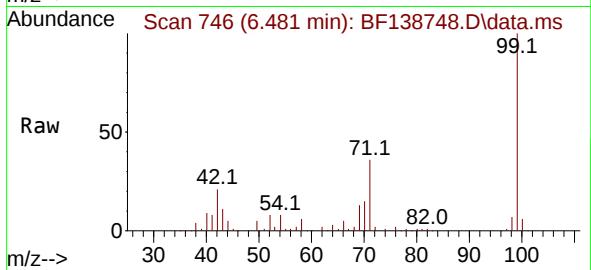




#7
Phenol-d6
Concen: 38.889 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

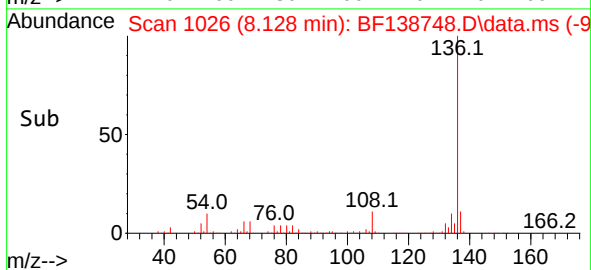
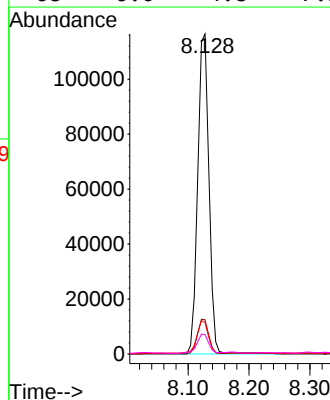
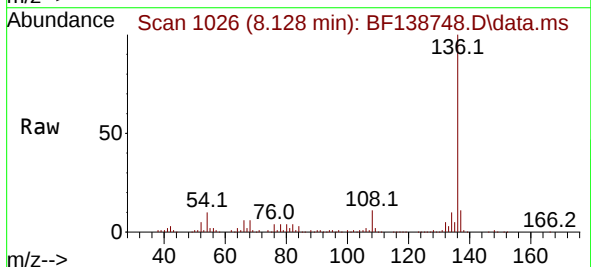
Instrument :
BNA_F
ClientSampleId :
EO-02-073124

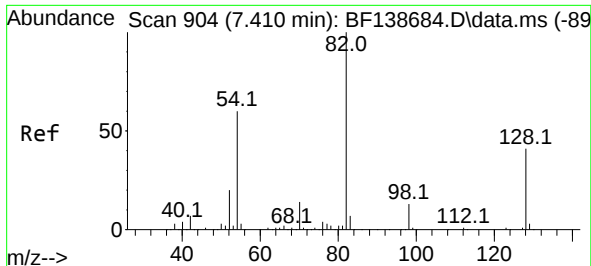
Tgt Ion: 99 Resp: 175741
Ion Ratio Lower Upper
99 100
42 20.9 17.4 26.0
71 36.0 28.1 42.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

Tgt Ion: 136 Resp: 149689
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 9.8 8.6 12.8
68 6.0 4.8 7.2





#23

Nitrobenzene-d5

Concen: 35.783 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF138748.D

Acq: 02 Aug 2024 15:38

Instrument :

BNA_F

ClientSampleId :

EO-02-073124

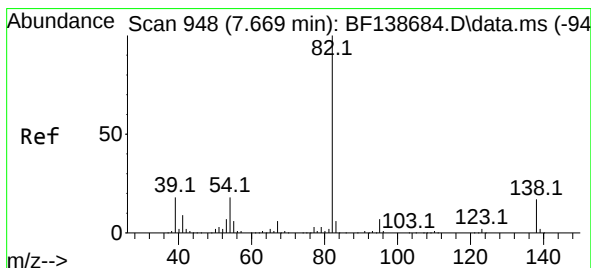
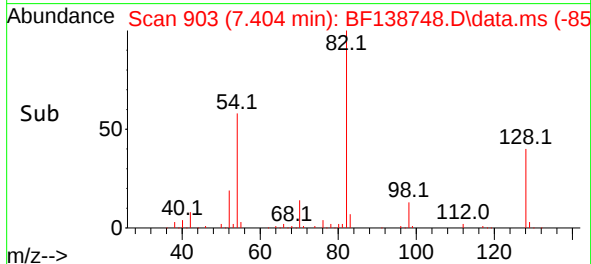
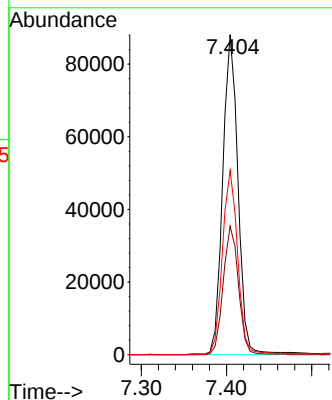
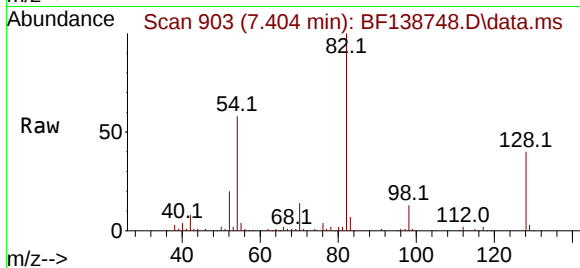
Tgt Ion: 82 Resp: 109556

Ion Ratio Lower Upper

82 100

128 40.1 32.8 49.2

54 57.7 48.3 72.5



#25

Isophorone

Concen: 20.284 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF138748.D

Acq: 02 Aug 2024 15:38

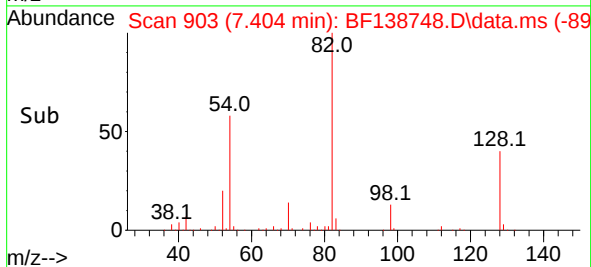
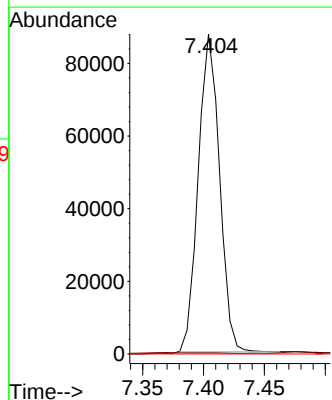
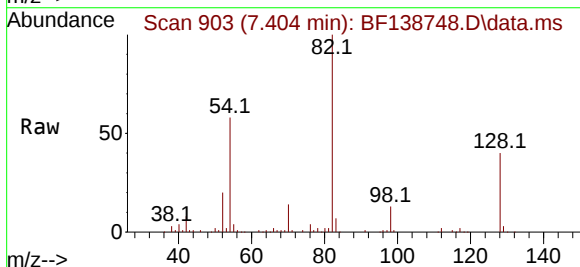
Tgt Ion: 82 Resp: 106041

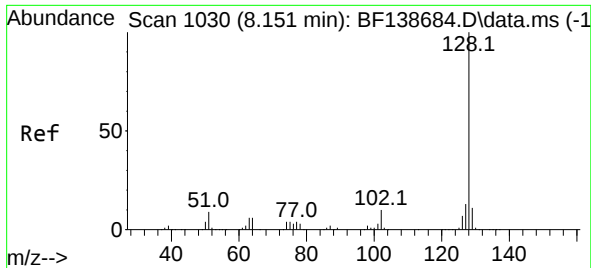
Ion Ratio Lower Upper

82 100

95 0.3 5.7 8.5#

138 0.0 13.7 20.5#

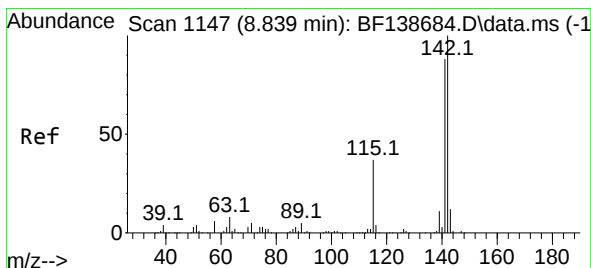
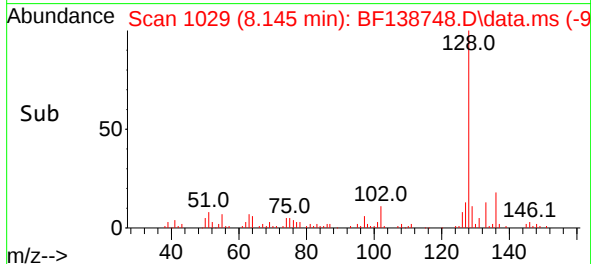
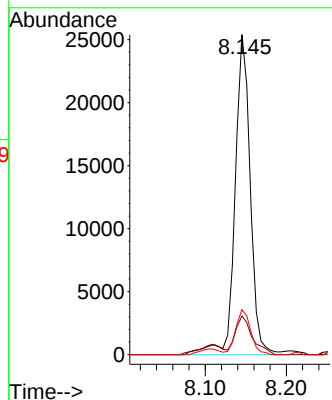
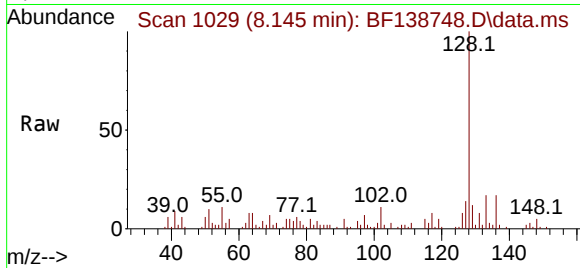




#31
Naphthalene
Concen: 4.207 ng
RT: 8.145 min Scan# 110
Delta R.T. -0.006 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

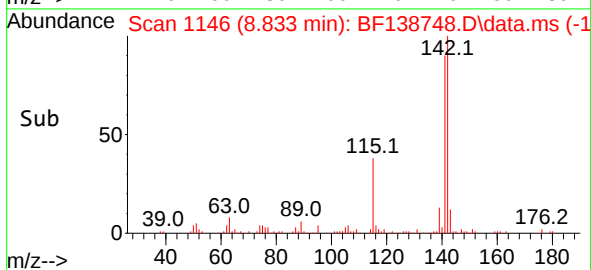
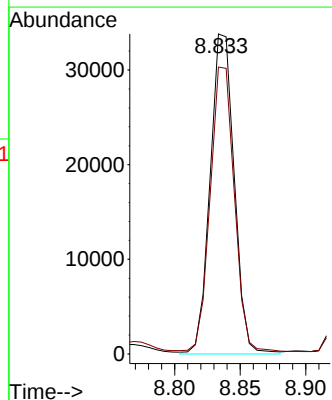
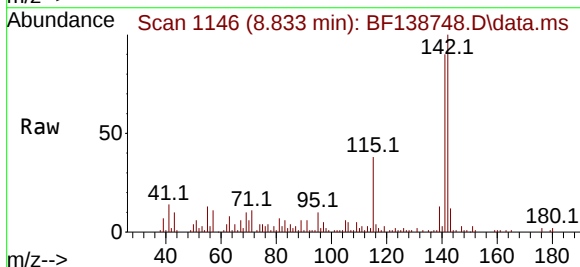
Instrument :
BNA_F
ClientSampleId :
EO-02-073124

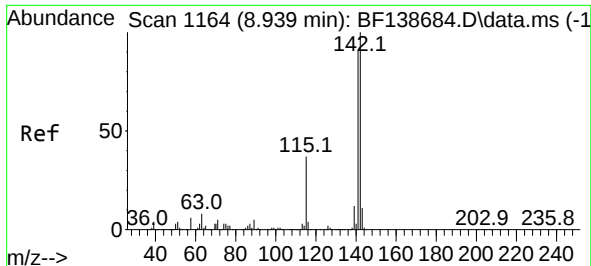
Tgt Ion:128 Resp: 33150
Ion Ratio Lower Upper
128 100
129 12.1 8.7 13.1
127 14.0 10.6 16.0



#37
2-Methylnaphthalene
Concen: 8.684 ng
RT: 8.833 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

Tgt Ion:142 Resp: 43213
Ion Ratio Lower Upper
142 100
141 89.6 70.8 106.2

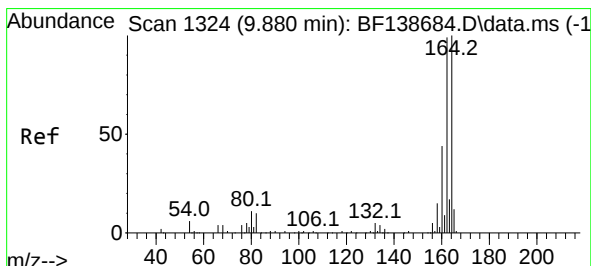
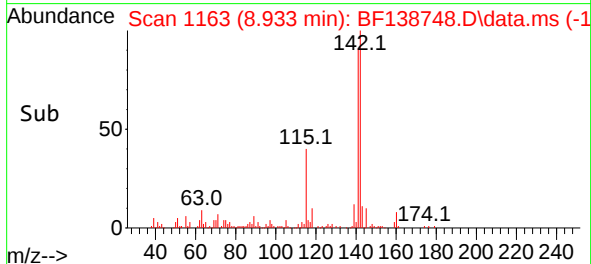
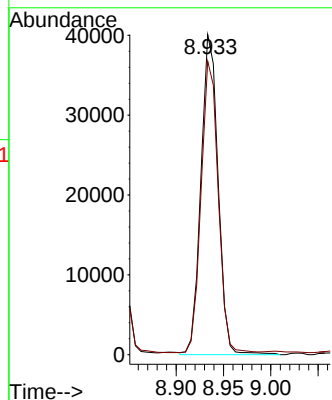
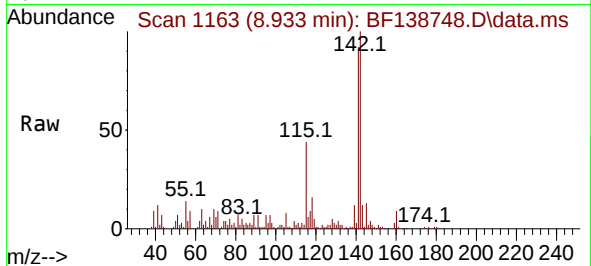




#38
1-Methylnaphthalene
Concen: 10.387 ng
RT: 8.933 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

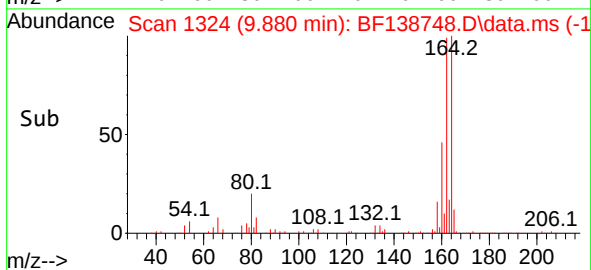
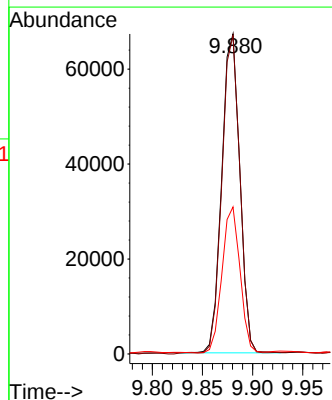
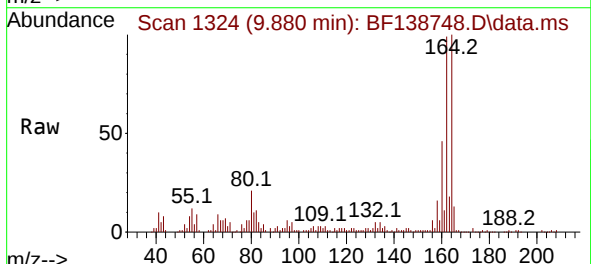
Instrument :
BNA_F
ClientSampleId :
EO-02-073124

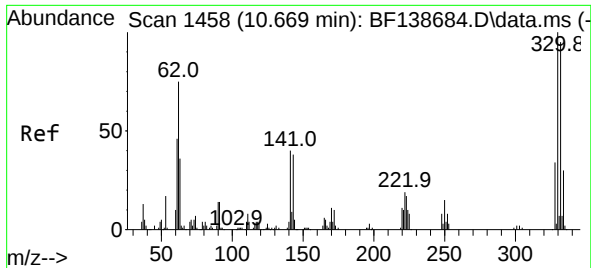
Tgt Ion:142 Resp: 50649
Ion Ratio Lower Upper
142 100
141 91.7 73.1 109.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

Tgt Ion:164 Resp: 83993
Ion Ratio Lower Upper
164 100
162 99.5 79.4 119.0
160 45.9 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 46.438 ng

RT: 10.669 min Scan# 1458

Delta R.T. -0.000 min

Lab File: BF138748.D

Acq: 02 Aug 2024 15:38

Instrument :

BNA_F

ClientSampleId :

EO-02-073124

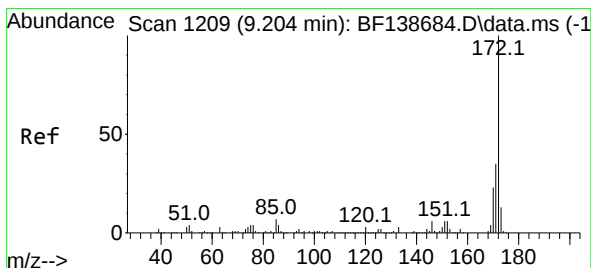
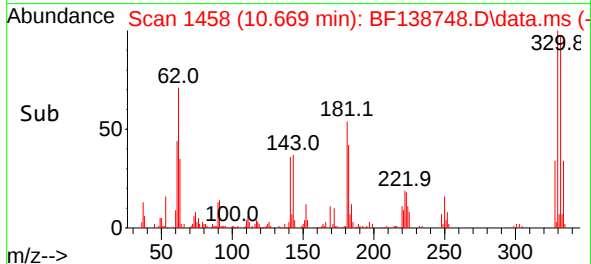
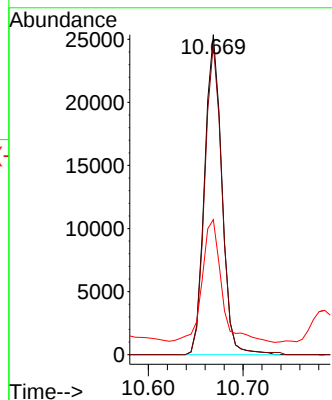
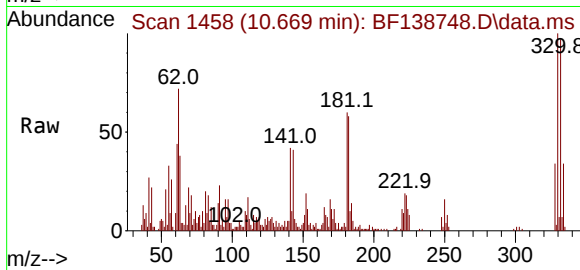
Tgt Ion:330 Resp: 31950

Ion Ratio Lower Upper

330 100

332 97.3 76.4 114.6

141 43.6 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 30.054 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF138748.D

Acq: 02 Aug 2024 15:38

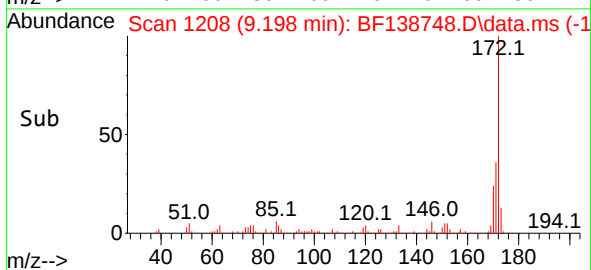
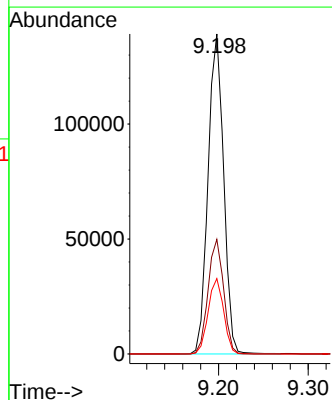
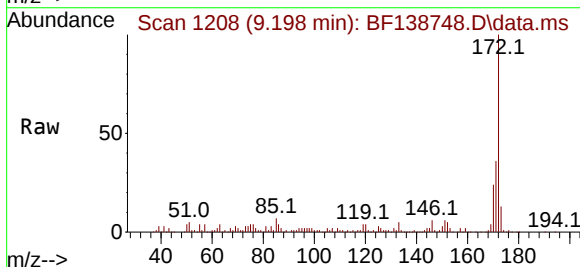
Tgt Ion:172 Resp: 168010

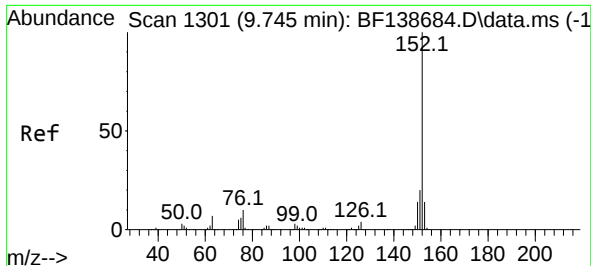
Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.6 18.8 28.2





#49

Acenaphthylene

Concen: 7.981 ng

RT: 9.739 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138748.D

Acq: 02 Aug 2024 15:38

Instrument :

BNA_F

ClientSampleId :

EO-02-073124

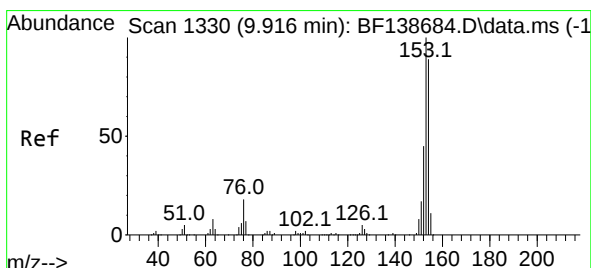
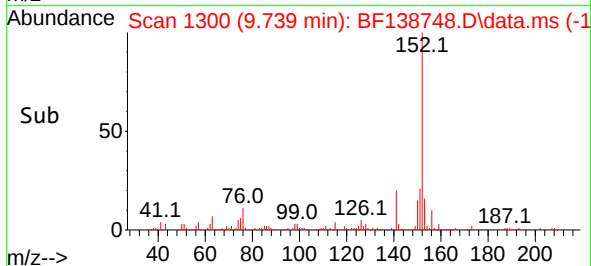
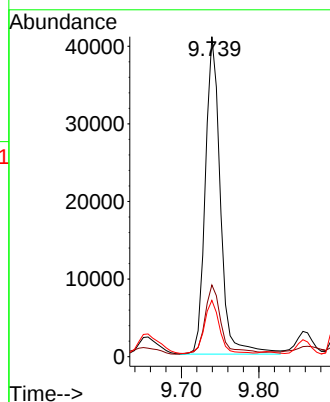
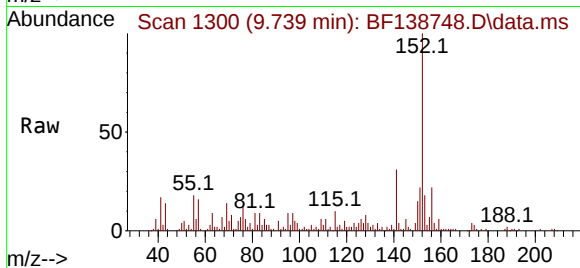
Tgt Ion:152 Resp: 55377

Ion Ratio Lower Upper

152 100

151 22.4 16.0 24.0

153 17.6 11.0 16.4#



#52

Acenaphthene

Concen: 9.696 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF138748.D

Acq: 02 Aug 2024 15:38

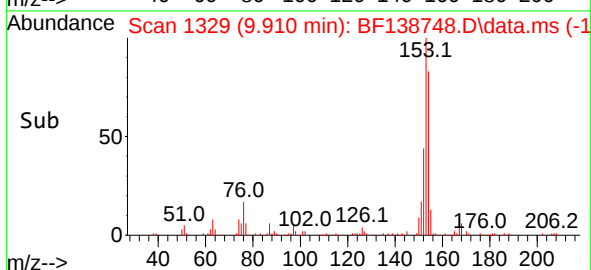
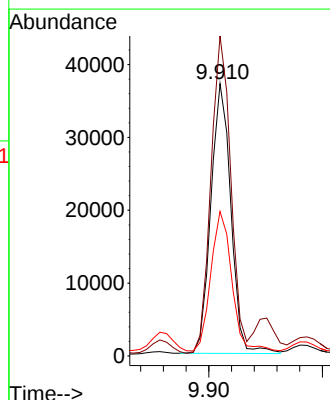
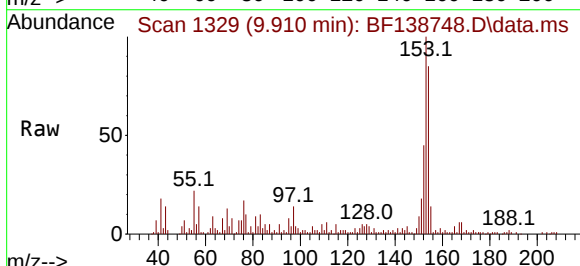
Tgt Ion:154 Resp: 45225

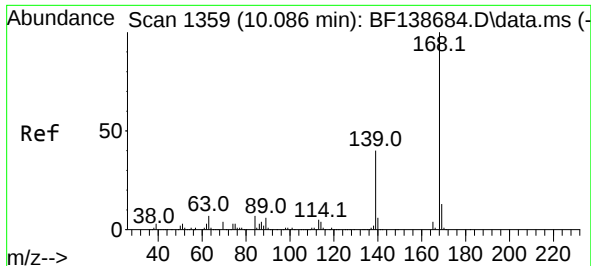
Ion Ratio Lower Upper

154 100

153 117.5 89.9 134.9

152 53.1 40.6 60.8

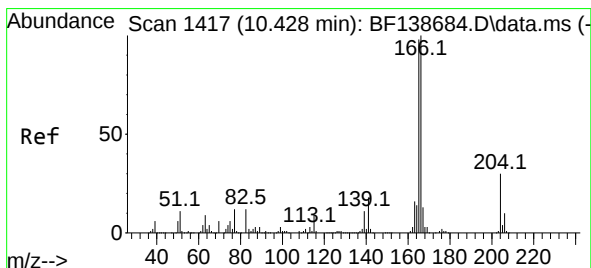
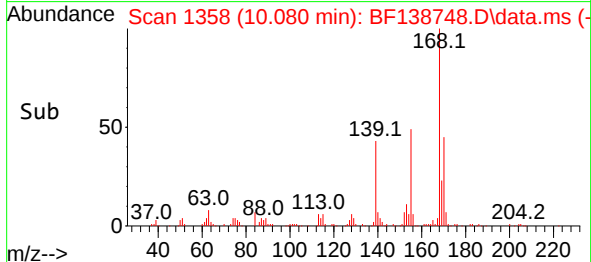
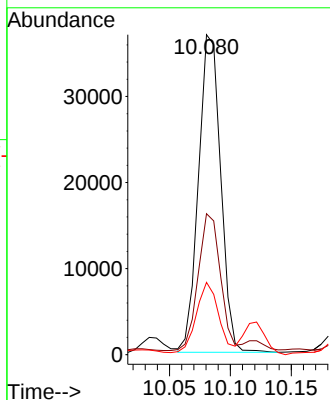
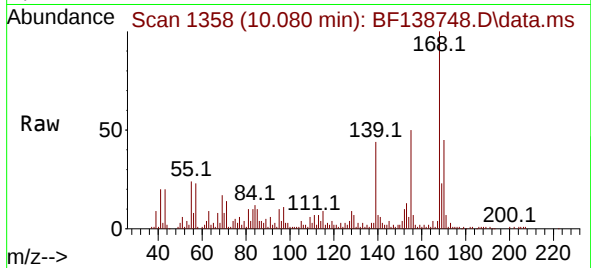




#55
Dibenzenofuran
Concen: 7.134 ng
RT: 10.080 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

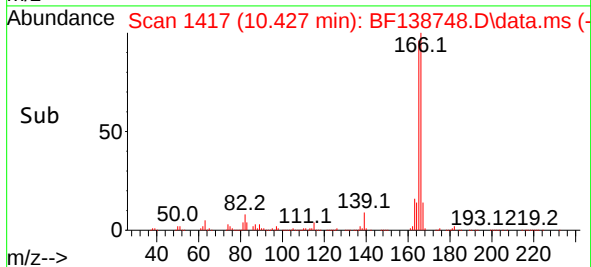
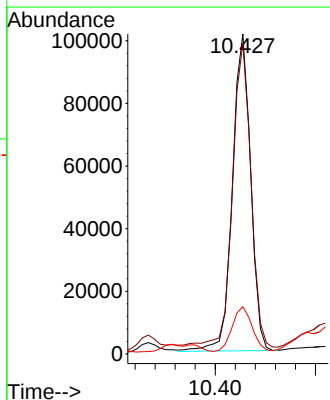
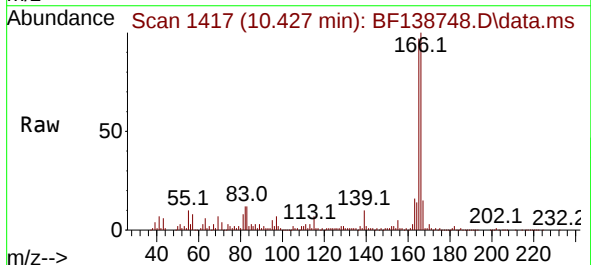
Instrument :
BNA_F
ClientSampleId :
EO-02-073124

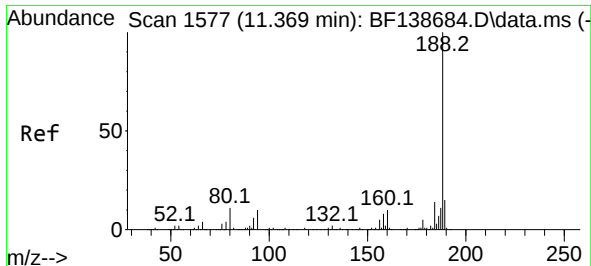
Tgt Ion:168 Resp: 46975
Ion Ratio Lower Upper
168 100
139 44.1 32.6 49.0
169 22.6 10.7 16.1#



#58
Fluorene
Concen: 24.348 ng
RT: 10.427 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

Tgt Ion:166 Resp: 127665
Ion Ratio Lower Upper
166 100
165 97.1 78.4 117.6
167 14.8 10.6 16.0

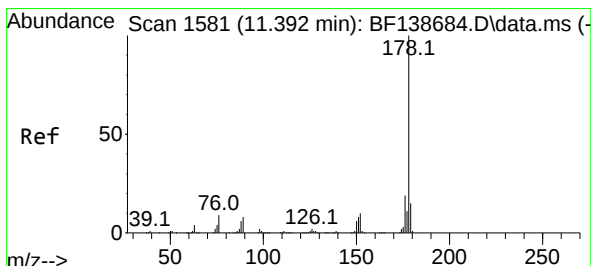
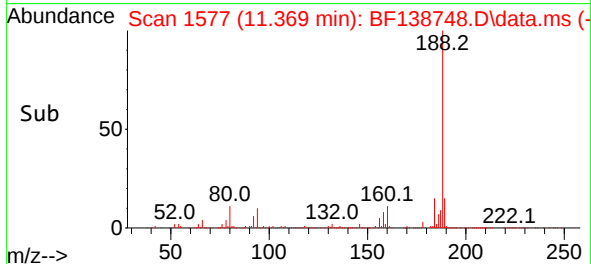
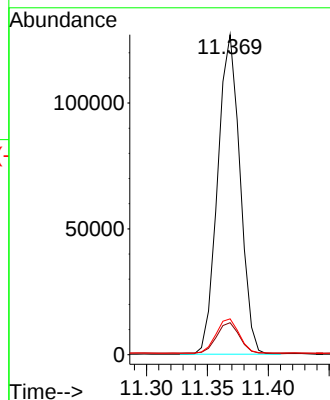
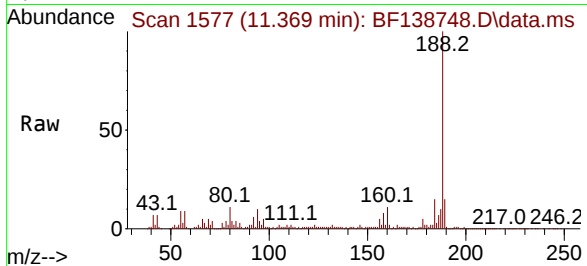




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

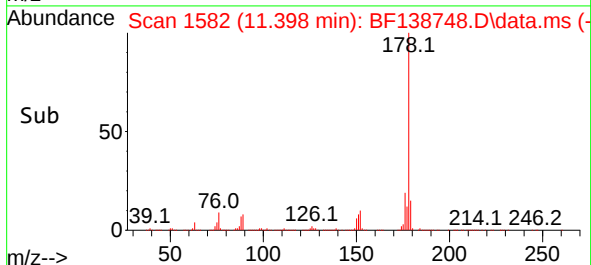
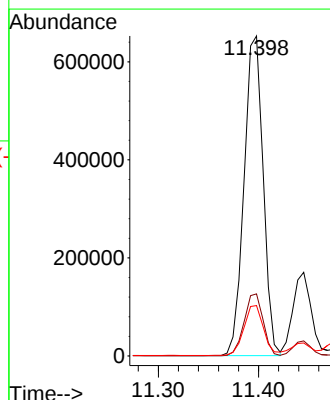
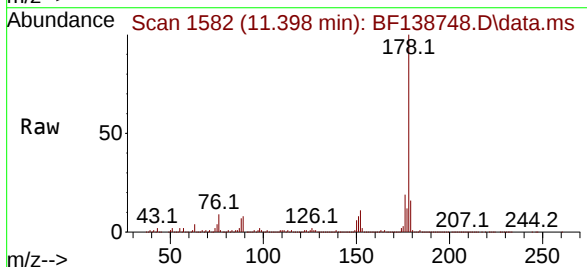
Instrument :
BNA_F
ClientSampleId :
EO-02-073124

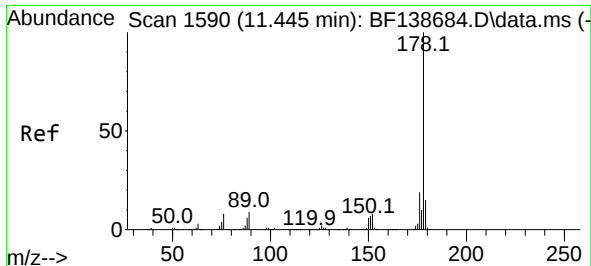
Tgt Ion:188 Resp: 162369
Ion Ratio Lower Upper
188 100
94 10.0 7.6 11.4
80 11.2 8.6 12.8



#71
Phenanthrene
Concen: 103.425 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

Tgt Ion:178 Resp: 864708
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.7 12.2 18.2

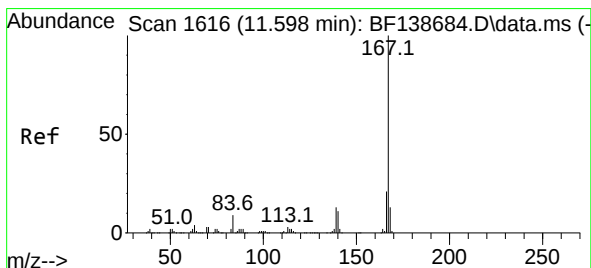
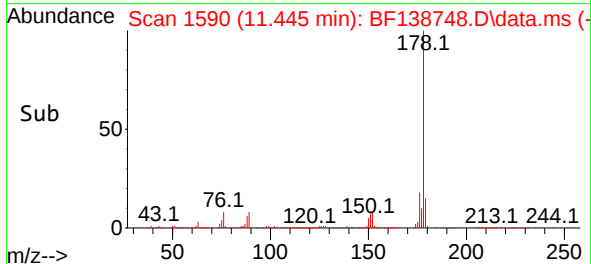
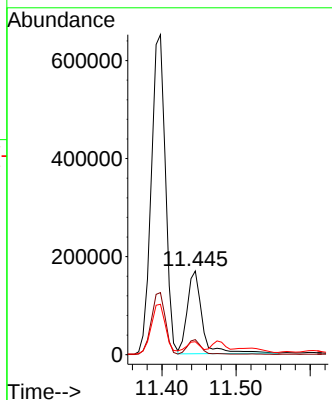
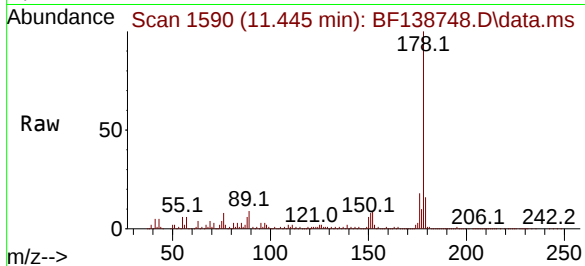




#72
 Anthracene
 Concen: 28.483 ng
 RT: 11.445 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF138748.D
 Acq: 02 Aug 2024 15:38

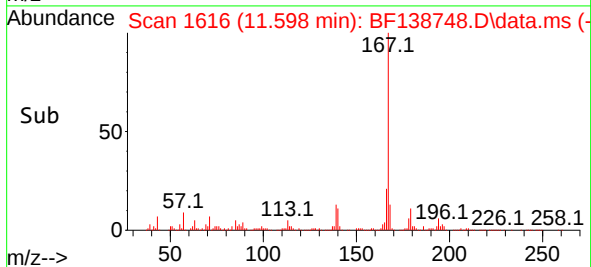
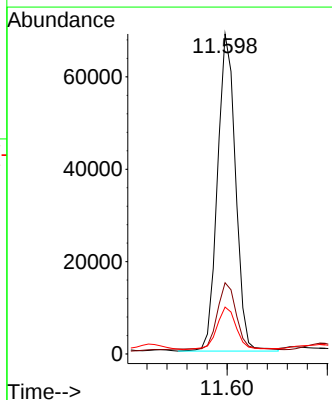
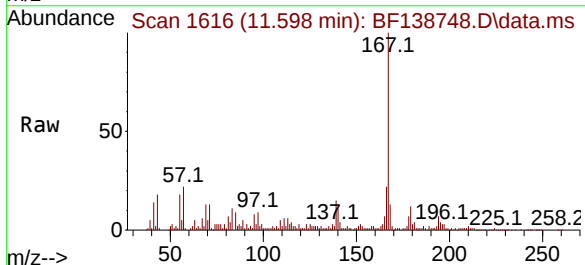
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-073124

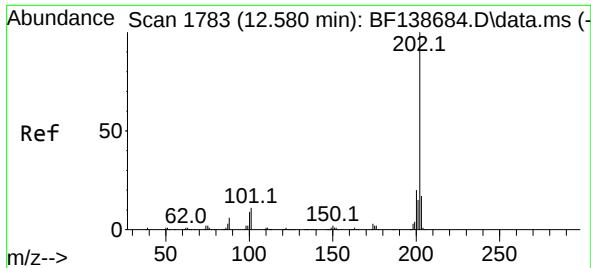
Tgt Ion:178 Resp: 234599
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.9 22.3
 179 15.6 12.4 18.6



#73
 Carbazole
 Concen: 12.110 ng
 RT: 11.598 min Scan# 1616
 Delta R.T. -0.000 min
 Lab File: BF138748.D
 Acq: 02 Aug 2024 15:38

Tgt Ion:167 Resp: 86056
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.2 25.8
 139 14.6 10.6 16.0

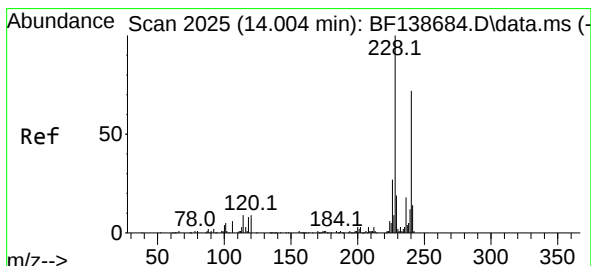
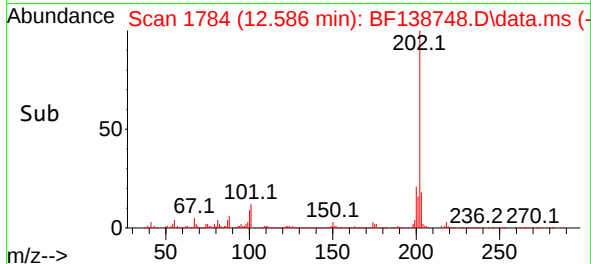
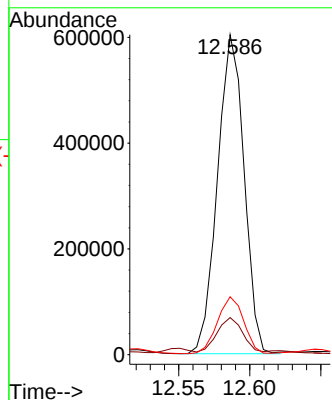
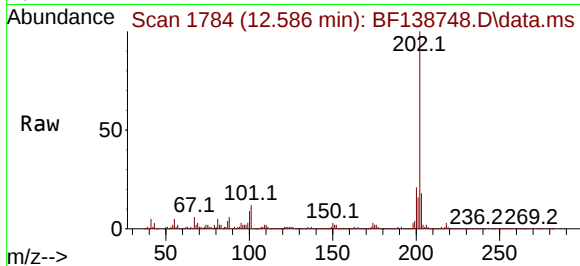




#75
Fluoranthene
Concen: 100.734 ng
RT: 12.586 min Scan# 1783
Delta R.T. 0.006 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

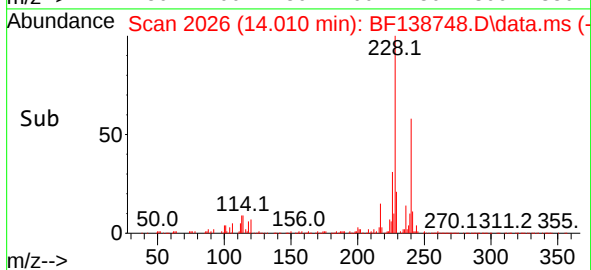
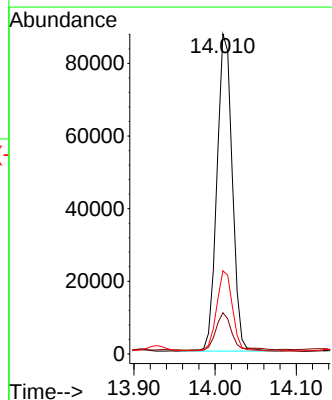
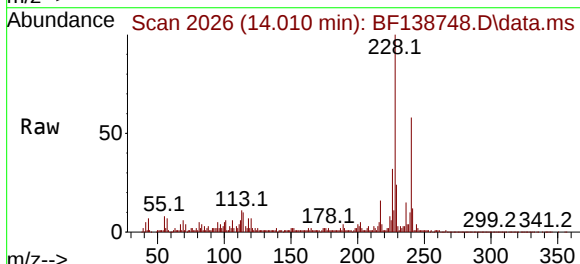
Instrument :
BNA_F
ClientSampleId :
EO-02-073124

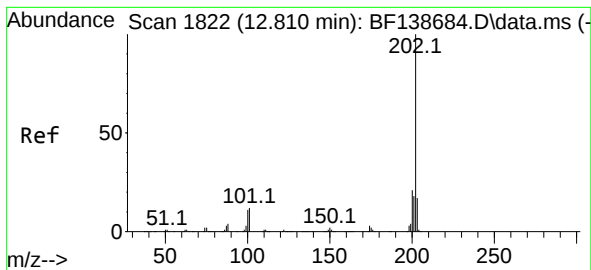
Tgt Ion:202 Resp: 786248
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.2
203 18.1 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

Tgt Ion:240 Resp: 114788
Ion Ratio Lower Upper
240 100
120 12.9 10.2 15.4
236 26.0 19.8 29.8





#78

Pyrene

Concen: 78.999 ng

RT: 12.816 min Scan# 1822

Delta R.T. 0.006 min

Lab File: BF138748.D

Acq: 02 Aug 2024 15:38

Instrument :

BNA_F

ClientSampleId :

EO-02-073124

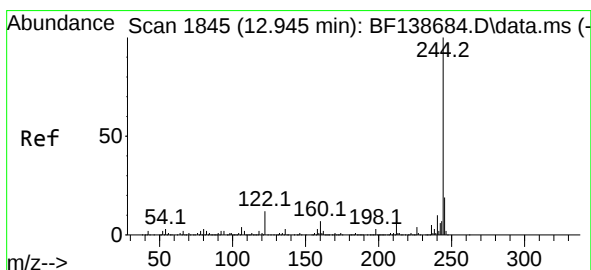
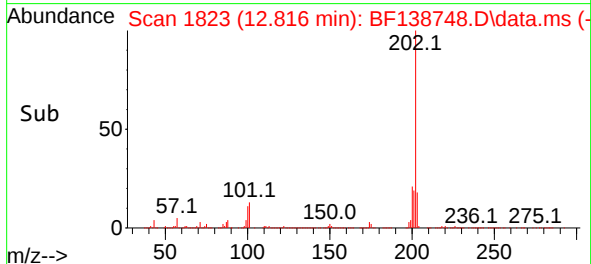
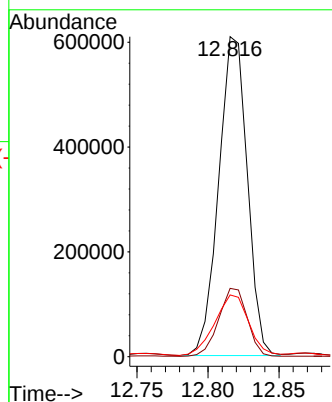
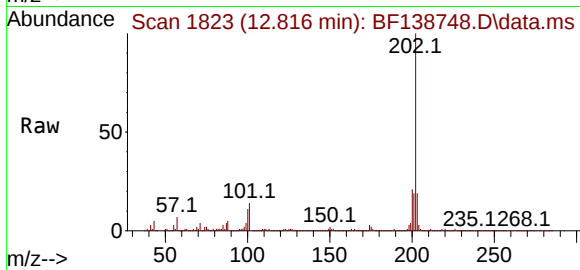
Tgt Ion:202 Resp: 853791

Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 19.3 13.8 20.6



#79

Terphenyl-d14

Concen: 33.849 ng

RT: 12.951 min Scan# 1846

Delta R.T. 0.006 min

Lab File: BF138748.D

Acq: 02 Aug 2024 15:38

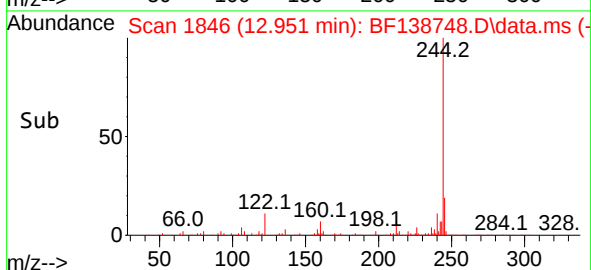
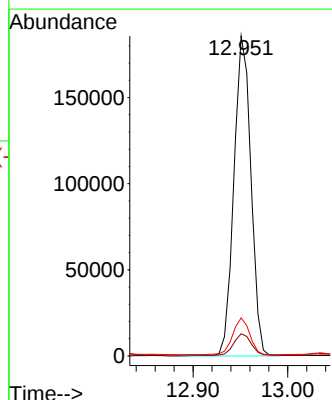
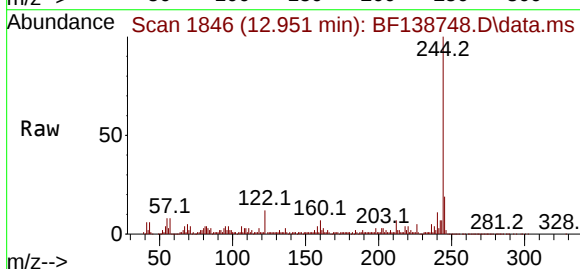
Tgt Ion:244 Resp: 232072

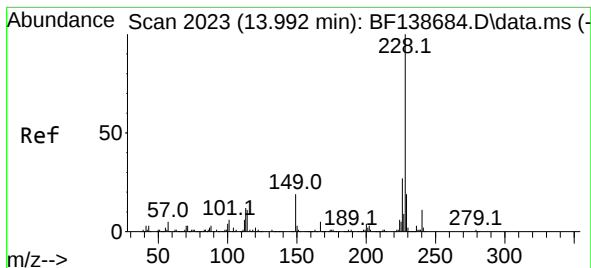
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 11.9 9.6 14.4





#81

Benzo(a)anthracene

Concen: 32.782 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.047 min

Lab File: BF138748.D

Acq: 02 Aug 2024 15:38

Instrument :

BNA_F

ClientSampleId :

EO-02-073124

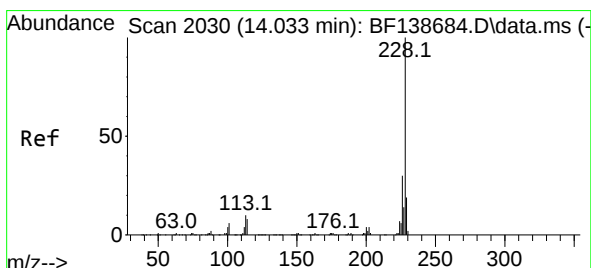
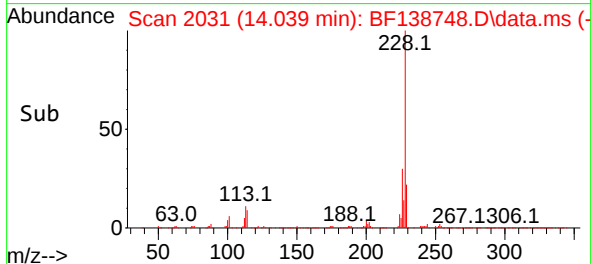
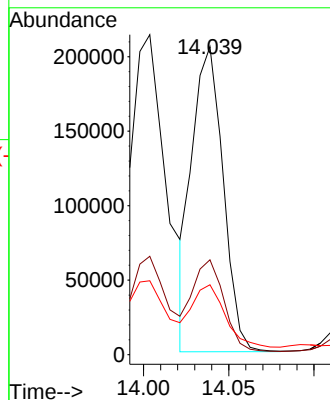
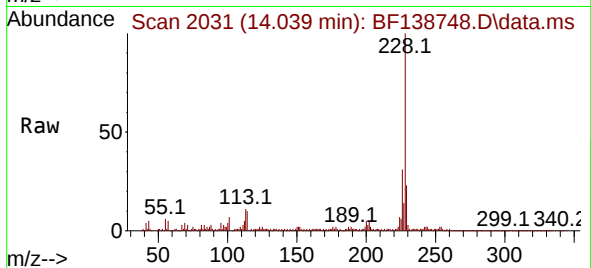
Tgt Ion:228 Resp: 259125

Ion Ratio Lower Upper

228 100

226 30.8 22.1 33.1

229 22.7 15.4 23.0



#83

Chrysene

Concen: 36.219 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF138748.D

Acq: 02 Aug 2024 15:38

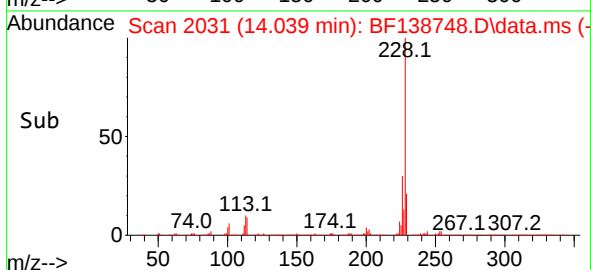
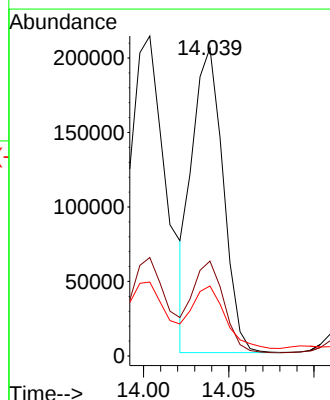
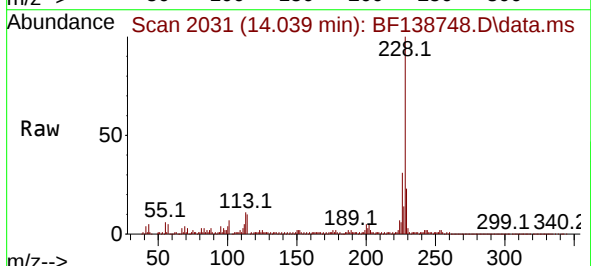
Tgt Ion:228 Resp: 258294

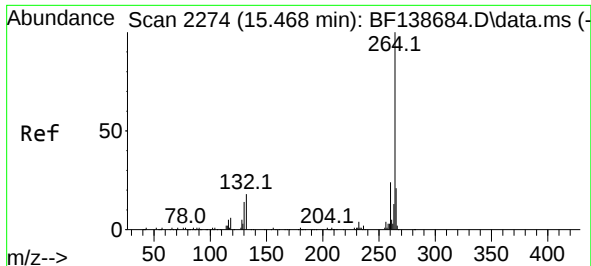
Ion Ratio Lower Upper

228 100

226 30.8 23.7 35.5

229 22.7 15.0 22.6#

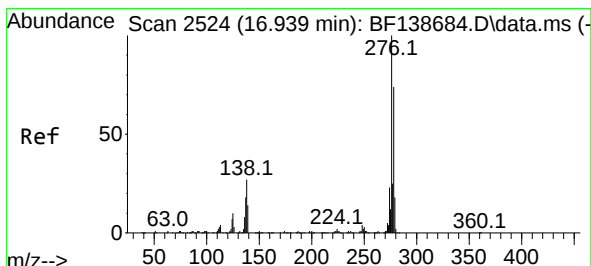
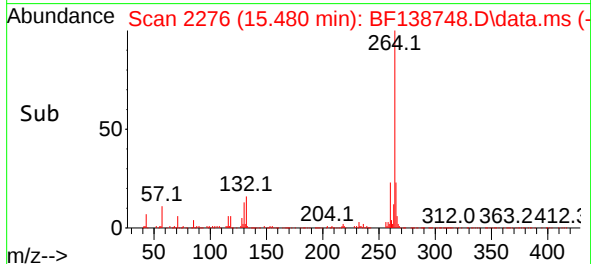
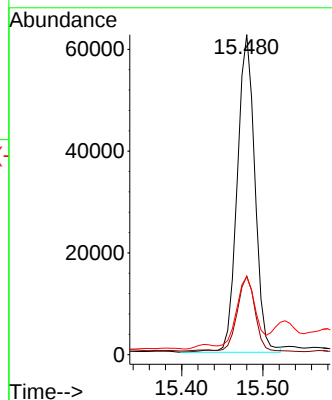
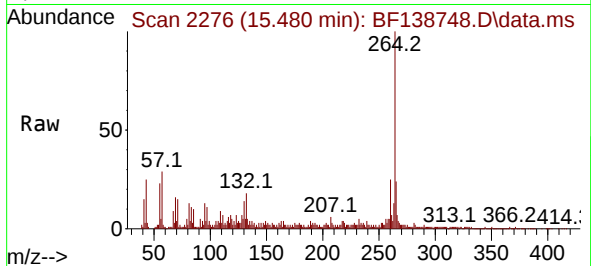




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

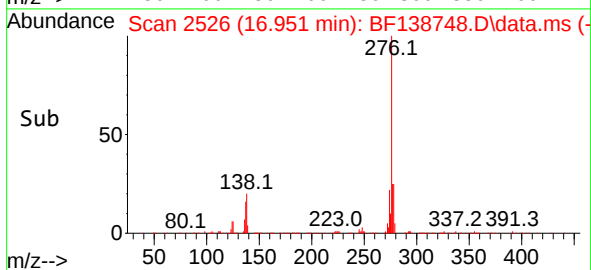
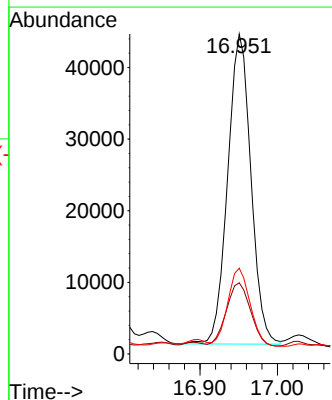
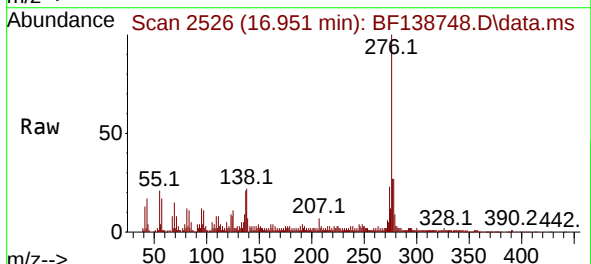
Instrument :
BNA_F
ClientSampleId :
EO-02-073124

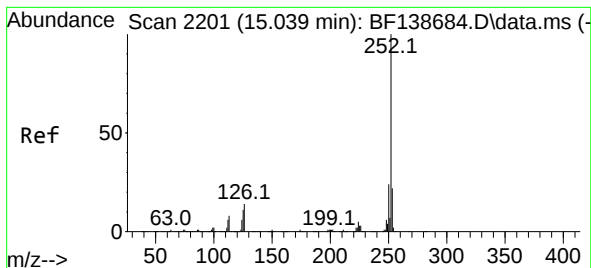
Tgt Ion:264 Resp: 94033
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.6
265 24.3 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 13.415 ng
RT: 16.951 min Scan# 2526
Delta R.T. 0.012 min
Lab File: BF138748.D
Acq: 02 Aug 2024 15:38

Tgt Ion:276 Resp: 90397
Ion Ratio Lower Upper
276 100
138 21.1 21.8 32.8#
277 24.4 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 50.004 ng

RT: 15.057 min Scan# 2204

Delta R.T. 0.018 min

Lab File: BF138748.D

Acq: 02 Aug 2024 15:38

Instrument :

BNA_F

ClientSampleId :

EO-02-073124

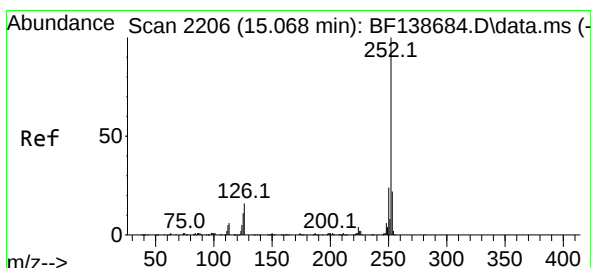
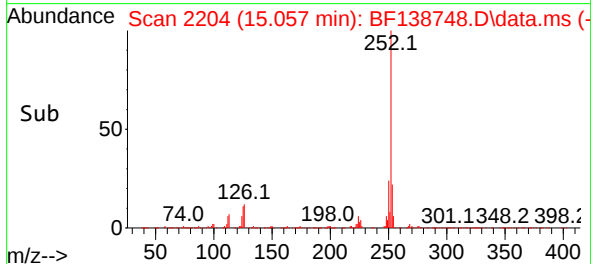
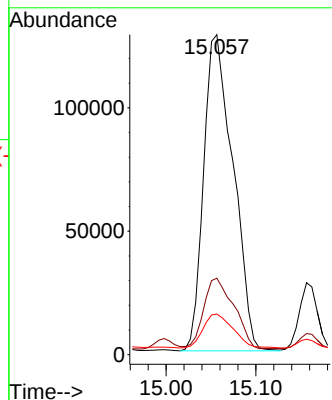
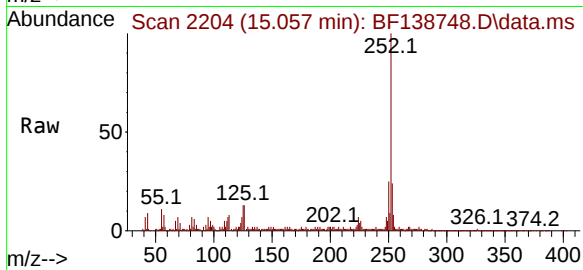
Tgt Ion:252 Resp: 291480

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

125 12.7 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 57.754 ng

RT: 15.057 min Scan# 2204

Delta R.T. -0.012 min

Lab File: BF138748.D

Acq: 02 Aug 2024 15:38

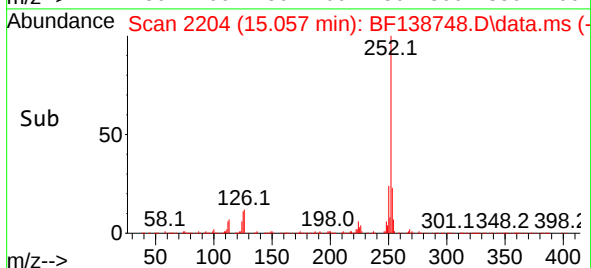
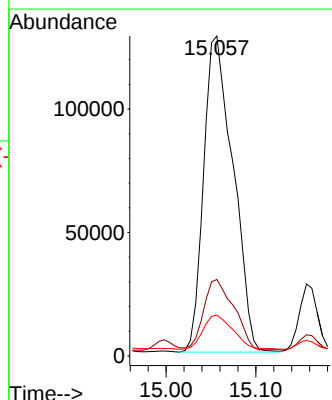
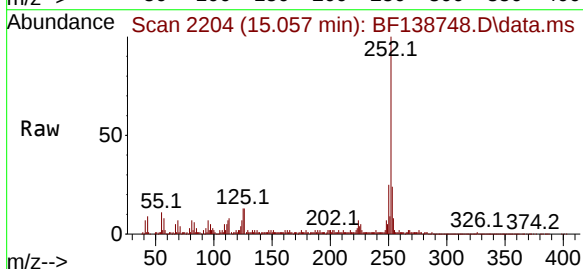
Tgt Ion:252 Resp: 291480

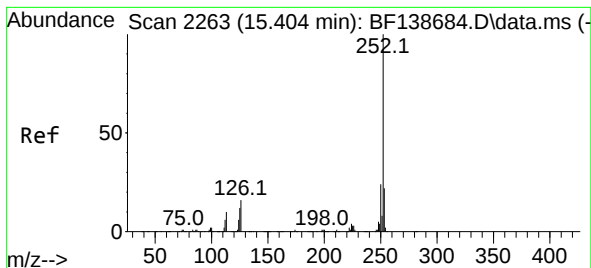
Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

125 12.7 8.6 13.0





#90

Benzo(a)pyrene

Concen: 35.528 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138748.D

Acq: 02 Aug 2024 15:38

Instrument :

BNA_F

ClientSampleId :

EO-02-073124

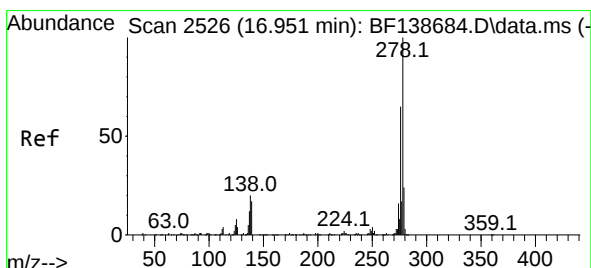
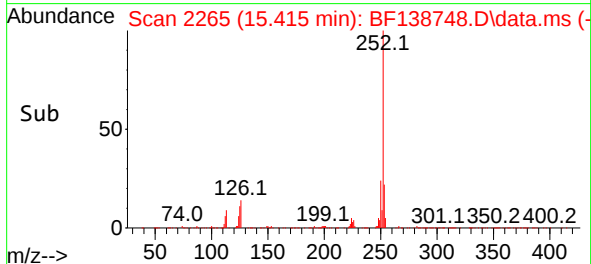
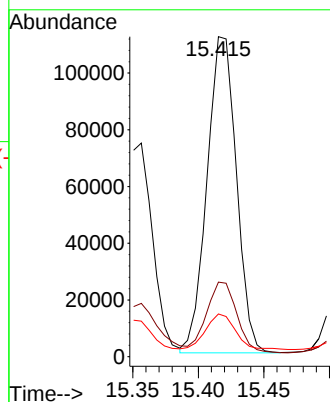
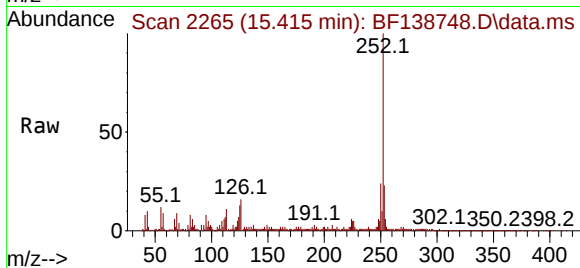
Tgt Ion:252 Resp: 174198

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 13.4 9.5 14.3



#91

Dibenzo(a,h)anthracene

Concen: 4.664 ng

RT: 16.956 min Scan# 2527

Delta R.T. 0.006 min

Lab File: BF138748.D

Acq: 02 Aug 2024 15:38

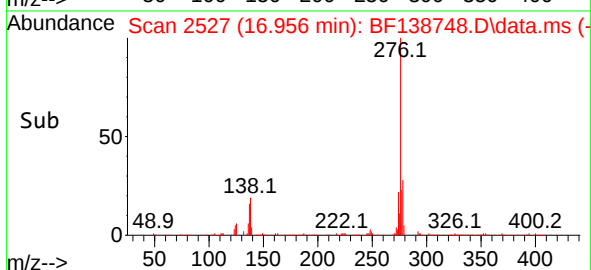
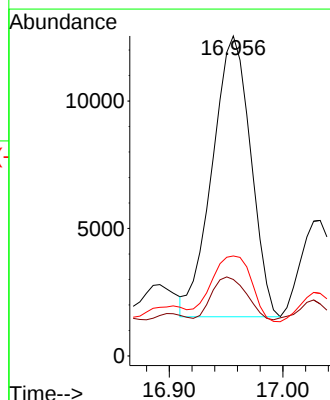
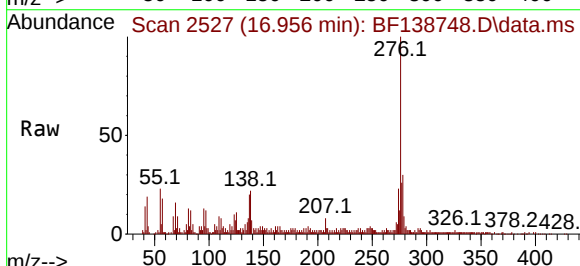
Tgt Ion:278 Resp: 25801

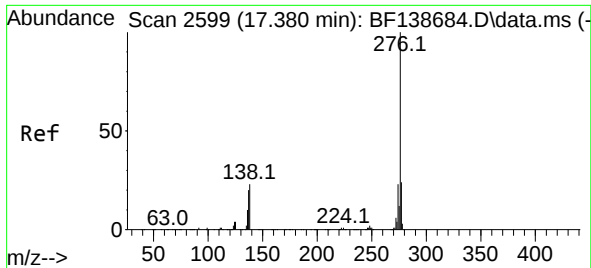
Ion Ratio Lower Upper

278 100

139 23.9 14.0 21.0#

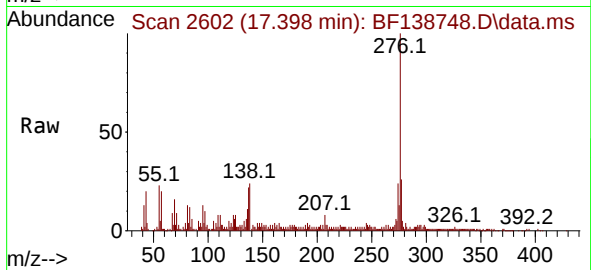
279 31.3 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 15.923 ng
 RT: 17.398 min Scan# 20
 Delta R.T. 0.018 min
 Lab File: BF138748.D
 Acq: 02 Aug 2024 15:38

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-073124



Tgt Ion:	276	Resp:	91402
Ion Ratio	Lower	Upper	
276	100		
277	25.6	19.0	28.4
138	24.4	18.5	27.7

