

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138797.D
 Acq On : 05 Aug 2024 21:30
 Operator : RC/JU
 Sample : P3413-01DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-073124DL

Quant Time: Aug 06 00:57:13 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)

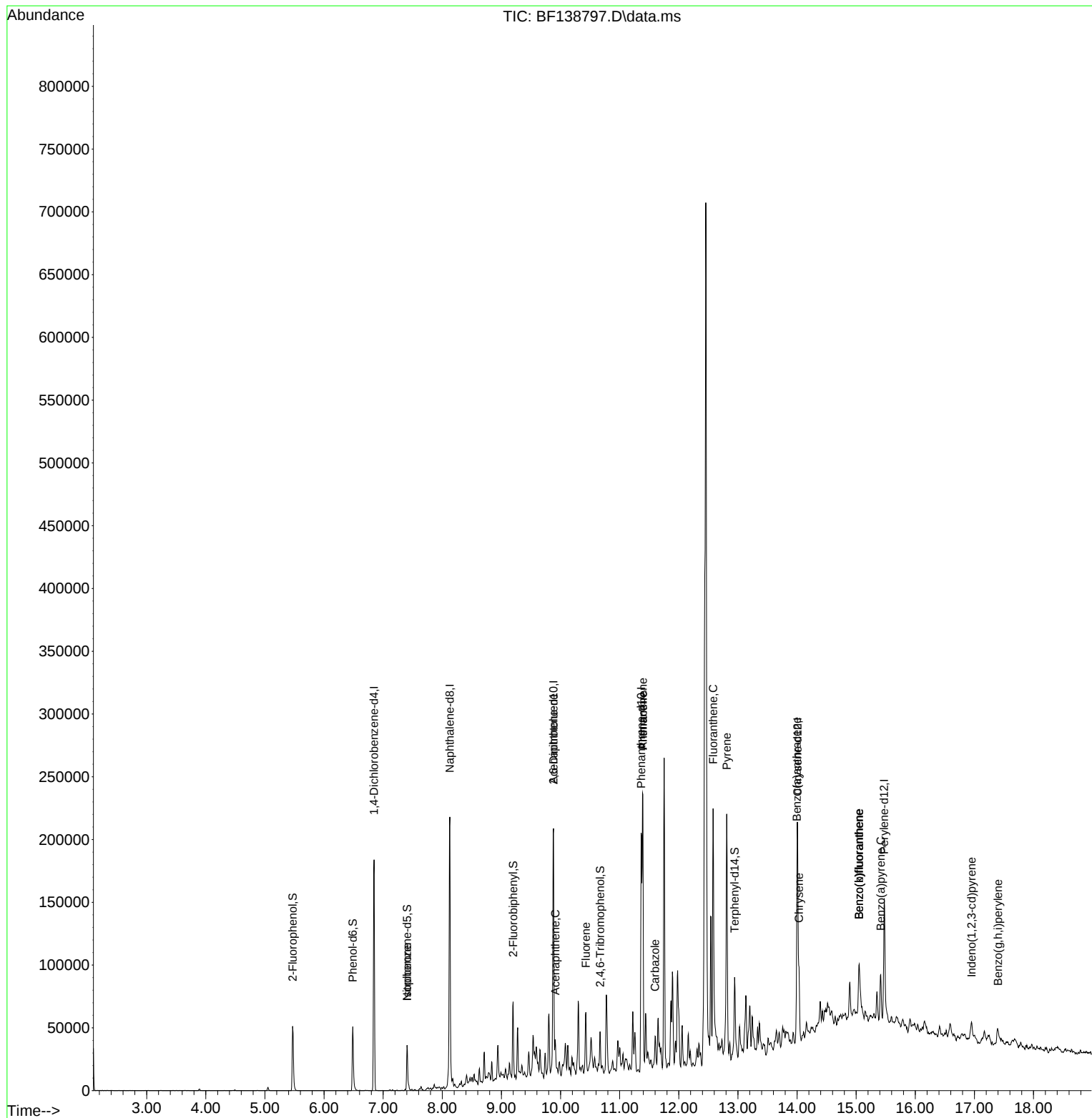
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	35574	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	131281	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	58222	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	96827	20.000	ng	0.00
76) Chrysene-d12	14.010	240	58984	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	51276	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	20094	8.719	ng	0.00
7) Phenol-d6	6.487	99	25642	8.287	ng	0.00
23) Nitrobenzene-d5	7.404	82	16172	6.023	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	4110	8.618	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	26327	6.794	ng	0.00
79) Terphenyl-d14	12.945	244	25278	7.175	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.404	82	16172	3.527	ng	# 66
51) 2,6-Dinitrotoluene	9.881	165	8009	9.533	ng	# 19
52) Acenaphthene	9.910	154	7297	2.257	ng	94
58) Fluorene	10.428	166	16766	4.613	ng	# 97
71) Phenanthrene	11.392	178	116814	23.429	ng	100
72) Anthracene	11.392	178	116814	23.783	ng	99
73) Carbazole	11.598	167	10363	2.446	ng	# 91
75) Fluoranthene	12.580	202	94450	20.292	ng	98
78) Pyrene	12.810	202	98935	17.815	ng	99
81) Benzo(a)anthracene	13.998	228	34087	8.392	ng	93
83) Chrysene	14.033	228	26874	7.334	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.951	276	9729	2.648	ng	# 87
88) Benzo(b)fluoranthene	15.051	252	32047	10.082	ng	# 91
89) Benzo(k)fluoranthene	15.051	252	32047	11.645	ng	# 90
90) Benzo(a)pyrene	15.416	252	20987	7.850	ng	95
92) Benzo(g,h,i)perylene	17.398	276	10781	3.444	ng	# 94

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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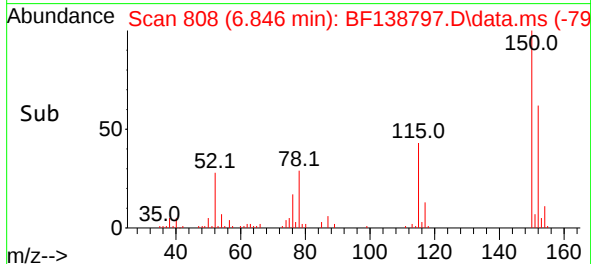
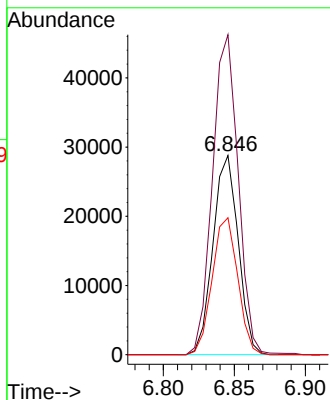
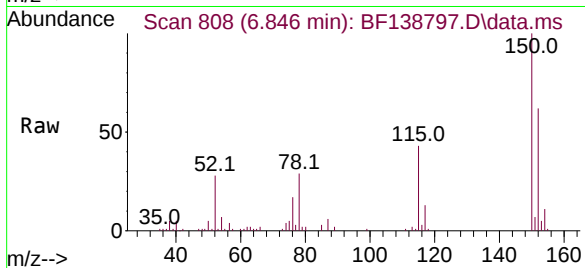




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 808
Delta R.T. 0.001 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

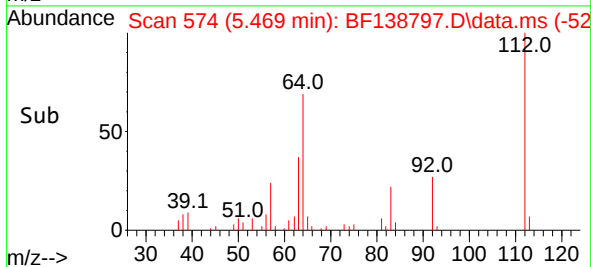
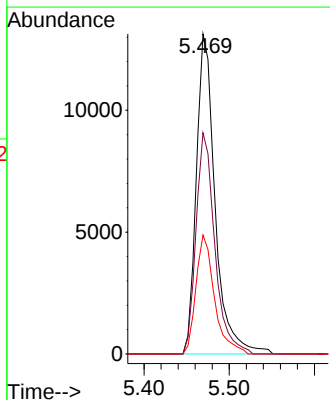
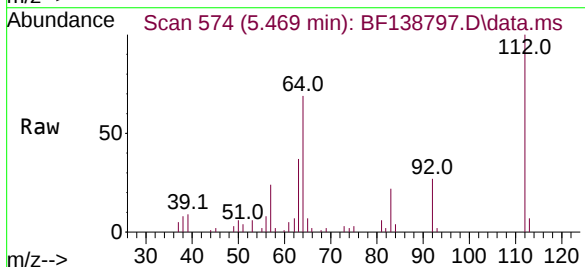
Instrument :
BNA_F
ClientSampleId :
EO-02-073124DL

Tgt Ion:152 Resp: 35574
Ion Ratio Lower Upper
152 100
150 160.7 126.0 189.0
115 68.8 51.7 77.5



#5
2-Fluorophenol
Concen: 8.719 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

Tgt Ion:112 Resp: 20094
Ion Ratio Lower Upper
112 100
64 69.1 54.2 81.4
63 37.2 28.7 43.1





#7

Phenol-d6

Concen: 8.287 ng

RT: 6.487 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

Instrument :

BNA_F

ClientSampleId :

EO-02-073124DL

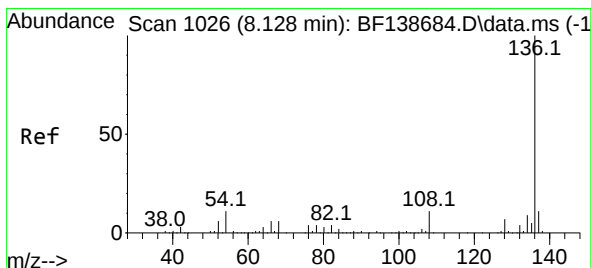
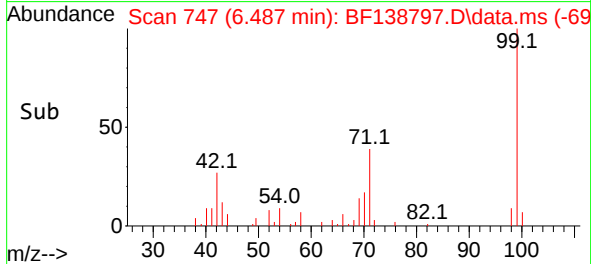
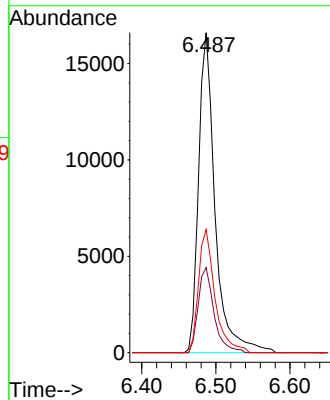
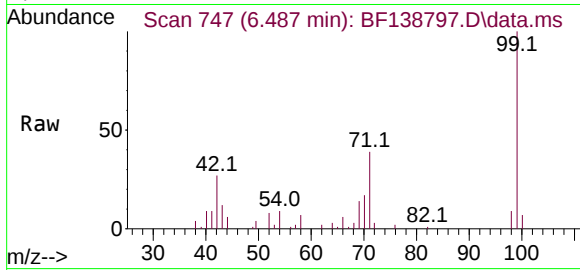
Tgt Ion: 99 Resp: 25642

Ion Ratio Lower Upper

99 100

42 26.6 17.4 26.0#

71 38.5 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: BF138797.D

Acq: 05 Aug 2024 21:30

Tgt Ion: 136 Resp: 131281

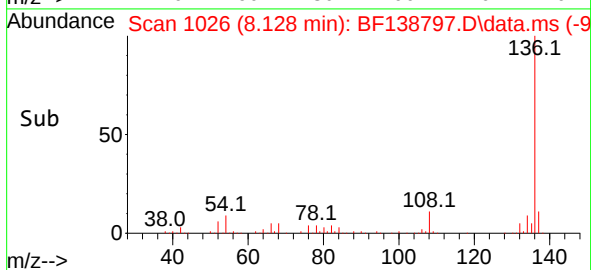
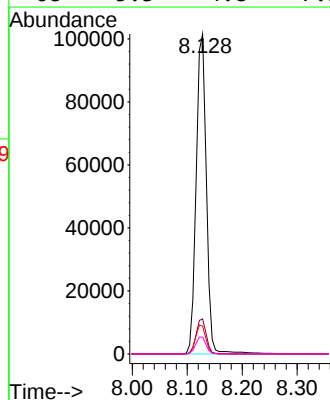
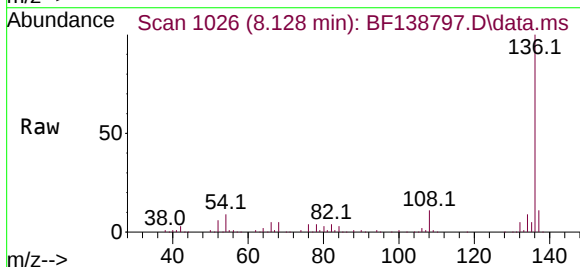
Ion Ratio Lower Upper

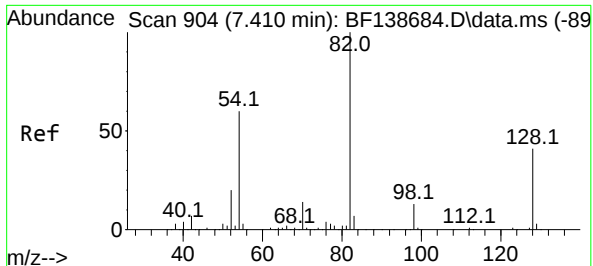
136 100

137 11.0 8.9 13.3

54 8.7 8.6 12.8

68 5.3 4.8 7.2





#23

Nitrobenzene-d5

Concen: 6.023 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

Instrument :

BNA_F

ClientSampleId :

EO-02-073124DL

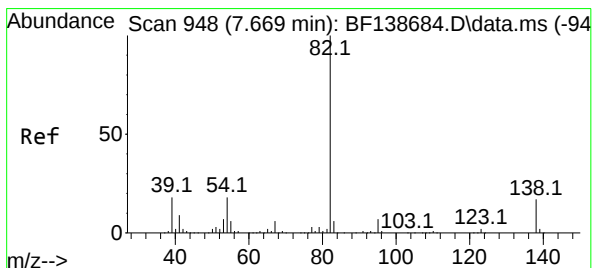
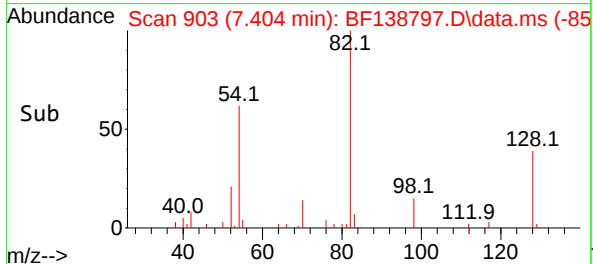
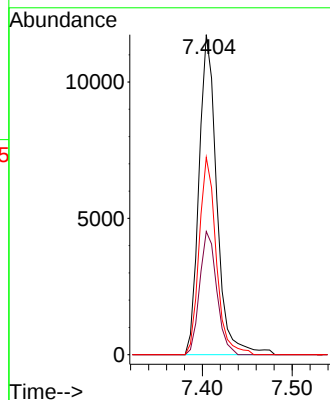
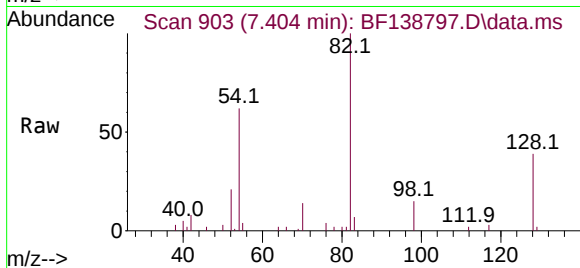
Tgt Ion: 82 Resp: 16172

Ion Ratio Lower Upper

82 100

128 38.5 32.8 49.2

54 61.7 48.3 72.5



#25

Isophorone

Concen: 3.527 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

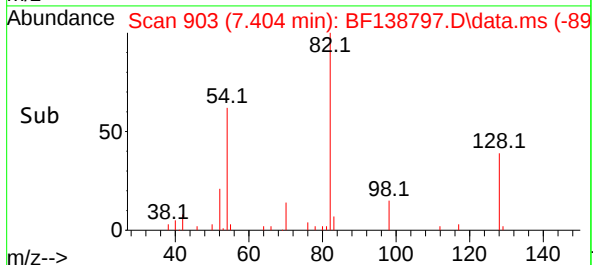
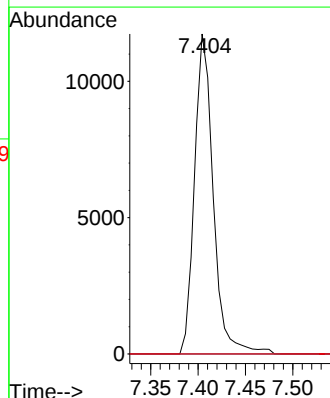
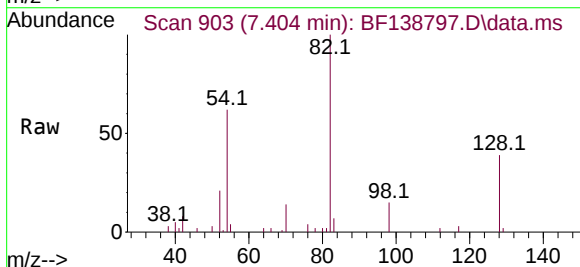
Tgt Ion: 82 Resp: 16172

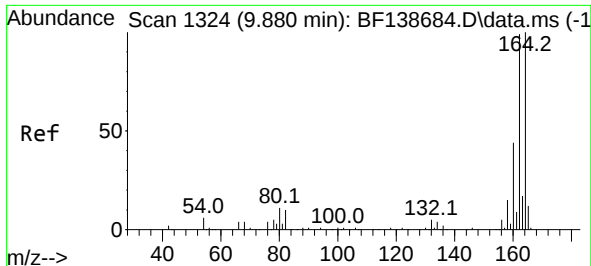
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

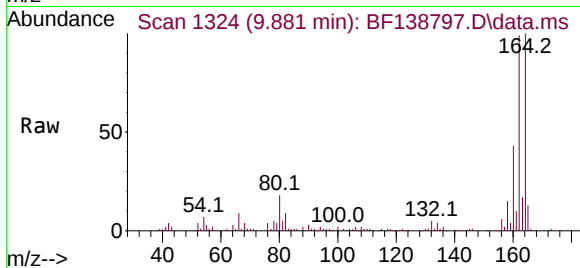
138 0.0 13.7 20.5#



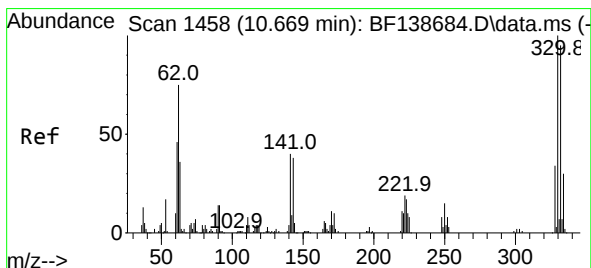
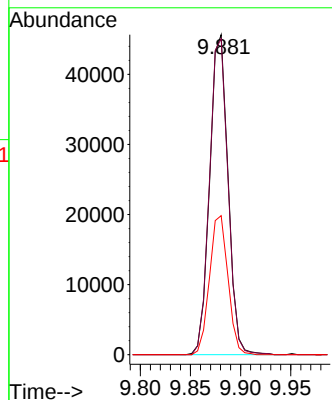
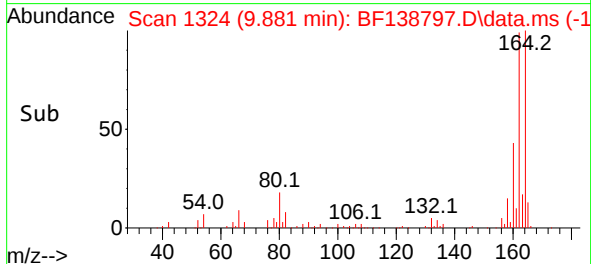


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 11
Delta R.T. 0.001 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

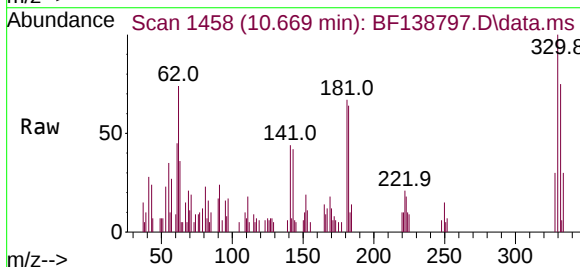
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BNA_F
ClientSampleId :
EO-02-073124DL



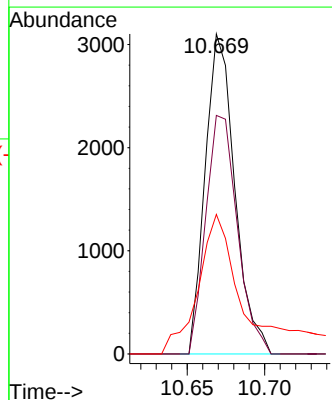
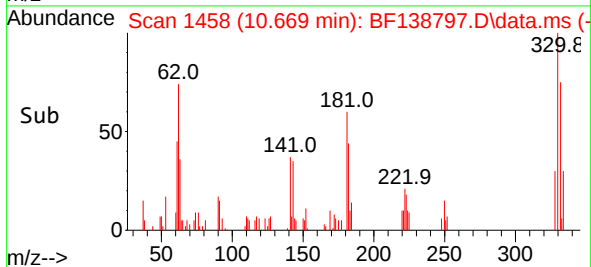
Tgt Ion:164 Resp: 58222
Ion Ratio Lower Upper
164 100
162 98.7 79.4 119.0
160 43.4 35.1 52.7

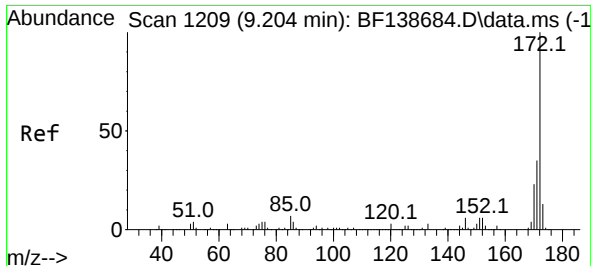


#42
2,4,6-Tribromophenol
Concen: 8.618 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30



Tgt Ion:330 Resp: 4110
Ion Ratio Lower Upper
330 100
332 79.7 76.4 114.6
141 69.1 31.1 46.7#

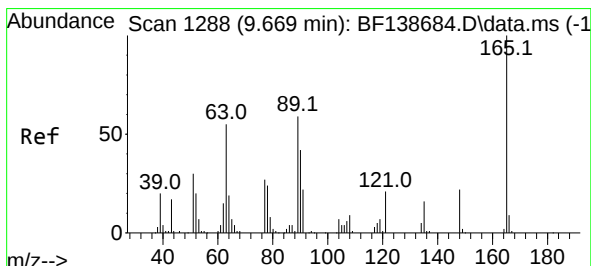
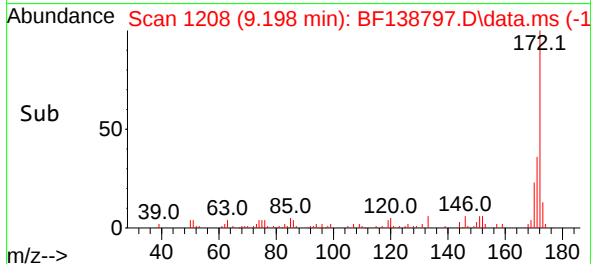
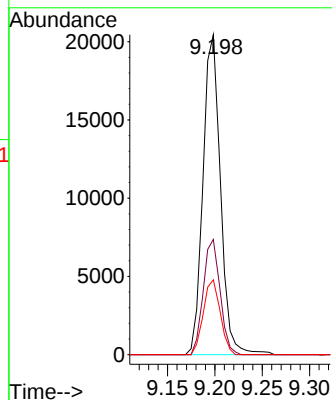
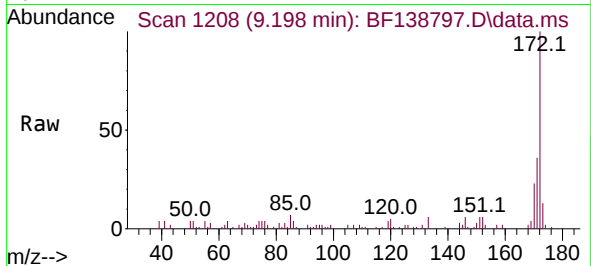




#45
2-Fluorobiphenyl
Concen: 6.794 ng
RT: 9.198 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

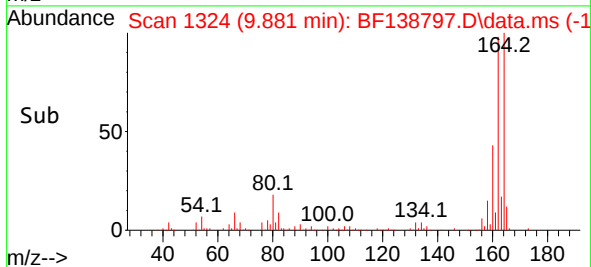
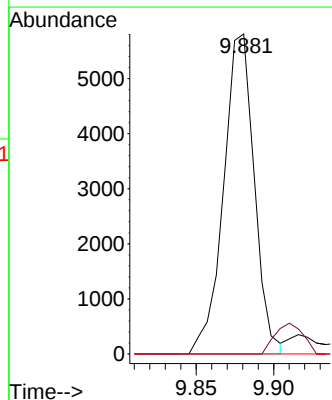
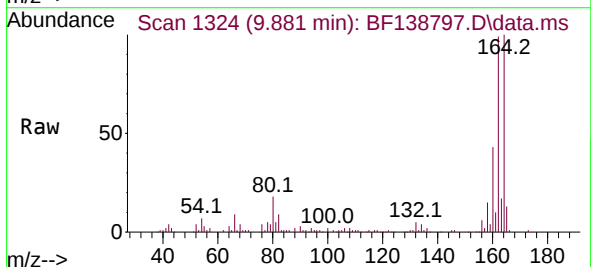
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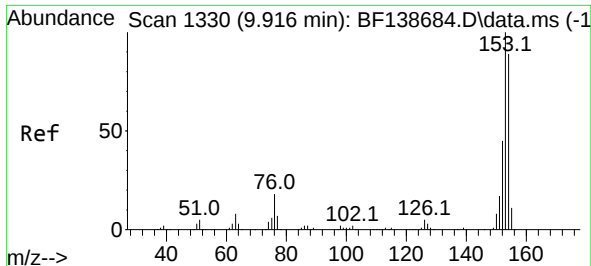
Tgt Ion:172 Resp: 26327
Ion Ratio Lower Upper
172 100
171 36.0 28.3 42.5
170 23.4 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.533 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

Tgt Ion:165 Resp: 8009
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 0.0 47.0 70.6#

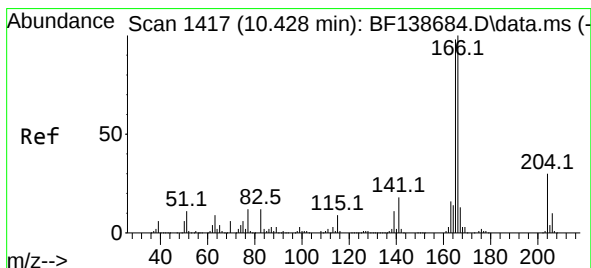
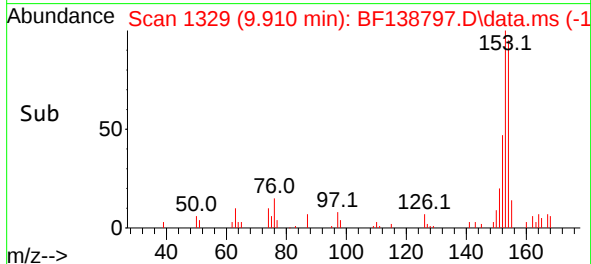
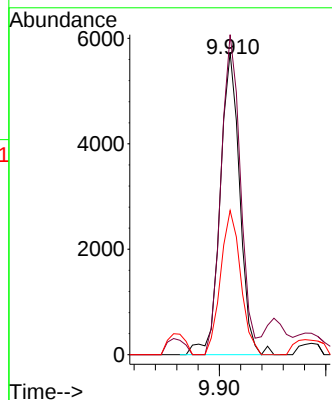
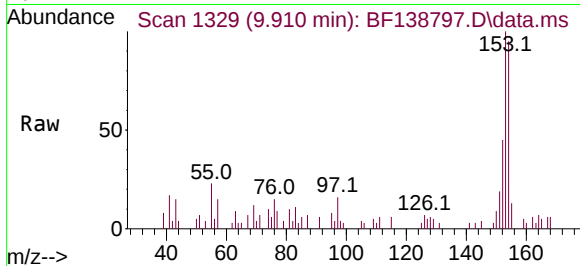




#52
Acenaphthene
Concen: 2.257 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

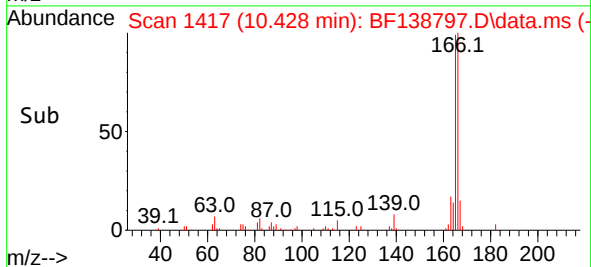
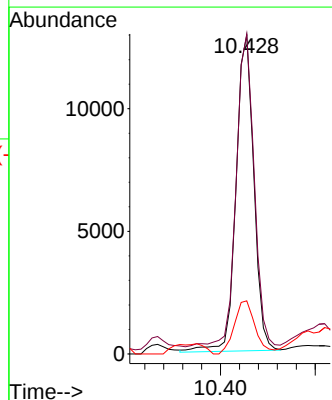
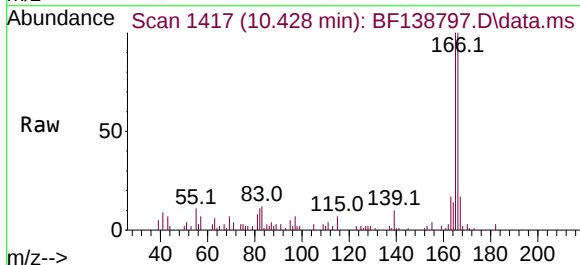
Instrument :
BNA_F
ClientSampleId :
EO-02-073124DL

Tgt Ion:154 Resp: 7297
Ion Ratio Lower Upper
154 100
153 105.8 89.9 134.9
152 47.7 40.6 60.8



#58
Fluorene
Concen: 4.613 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.000 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

Tgt Ion:166 Resp: 16766
Ion Ratio Lower Upper
166 100
165 100.3 78.4 117.6
167 16.7 10.6 16.0#

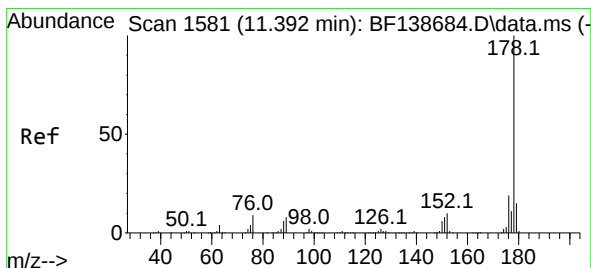
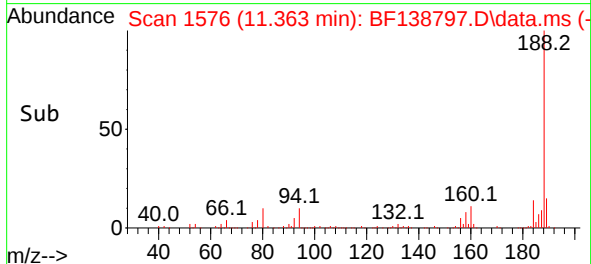
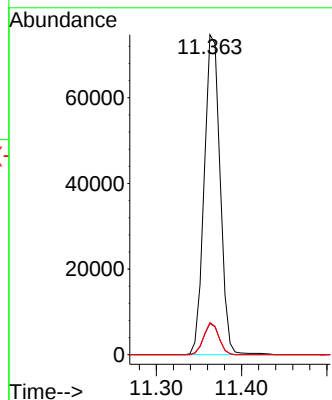
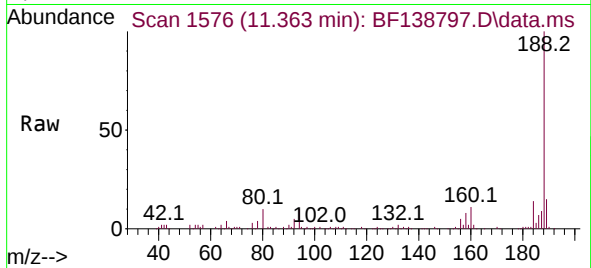




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

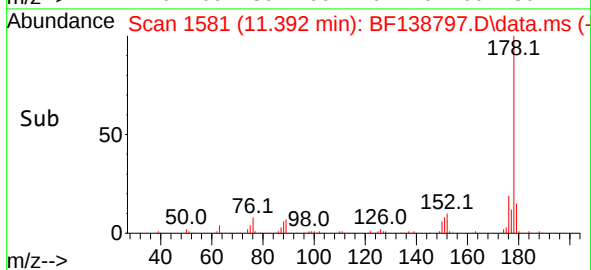
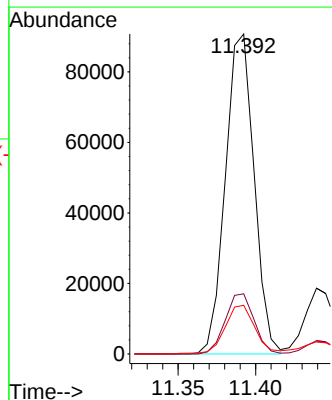
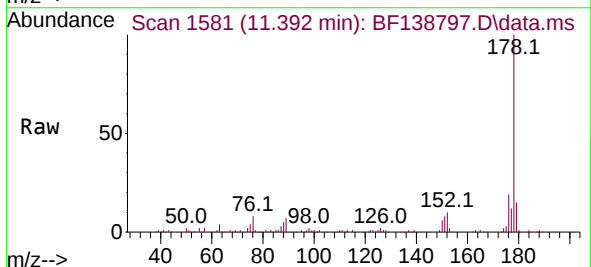
Instrument :
BNA_F
ClientSampleId :
EO-02-073124DL

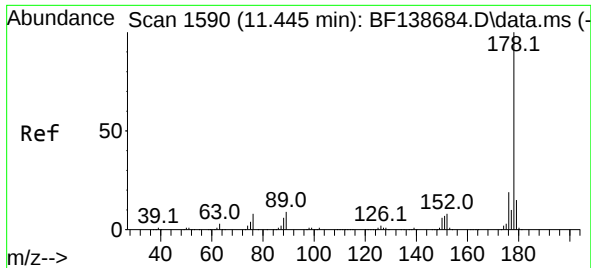
Tgt Ion:188 Resp: 96827
Ion Ratio Lower Upper
188 100
94 9.7 7.6 11.4
80 10.0 8.6 12.8



#71
Phenanthrene
Concen: 23.429 ng
RT: 11.392 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

Tgt Ion:178 Resp: 116814
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.2 12.2 18.2

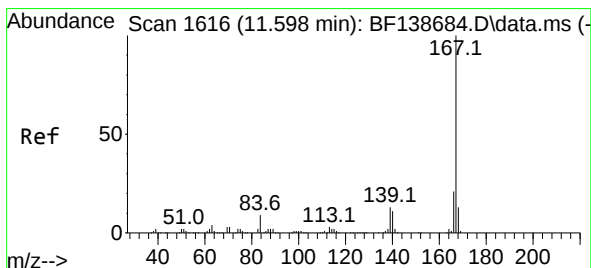
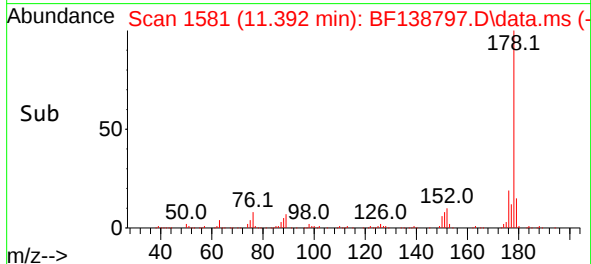
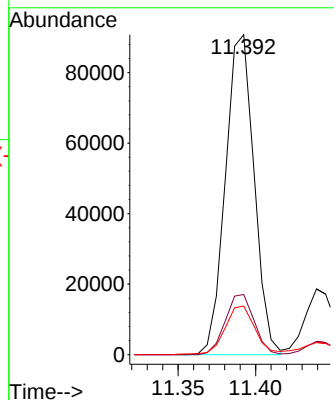
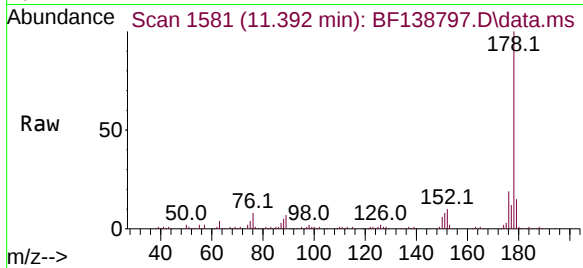




#72
 Anthracene
 Concen: 23.783 ng
 RT: 11.392 min Scan# 11392
 Delta R.T. -0.053 min
 Lab File: BF138797.D
 Acq: 05 Aug 2024 21:30

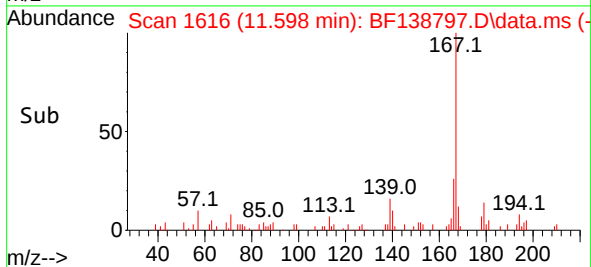
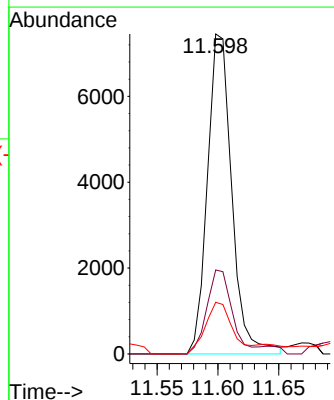
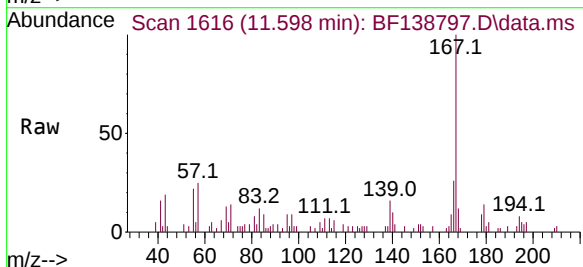
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-073124DL

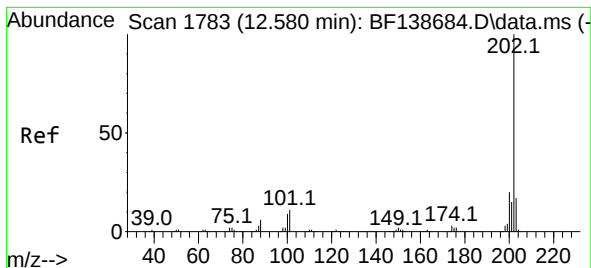
Tgt Ion:178 Resp: 116814
 Ion Ratio Lower Upper
 178 100
 176 18.8 14.9 22.3
 179 15.2 12.4 18.6



#73
 Carbazole
 Concen: 2.446 ng
 RT: 11.598 min Scan# 1616
 Delta R.T. 0.000 min
 Lab File: BF138797.D
 Acq: 05 Aug 2024 21:30

Tgt Ion:167 Resp: 10363
 Ion Ratio Lower Upper
 167 100
 166 26.2 17.2 25.8#
 139 16.2 10.6 16.0#





#75

Fluoranthene

Concen: 20.292 ng

RT: 12.580 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

Instrument :

BNA_F

ClientSampleId :

EO-02-073124DL

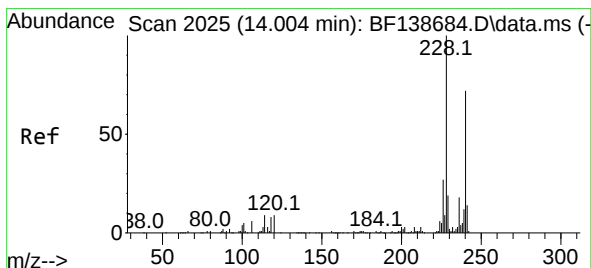
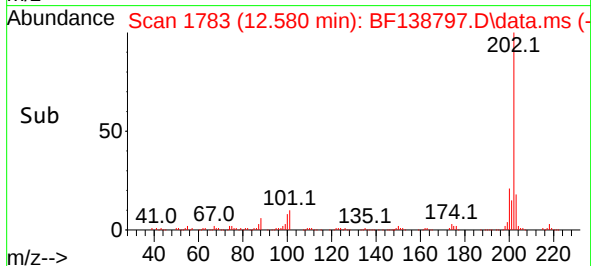
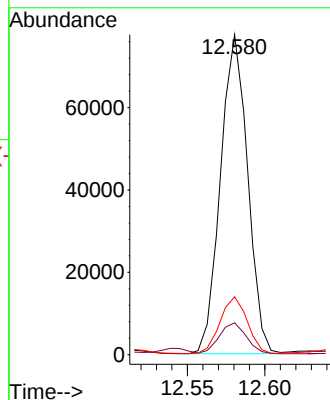
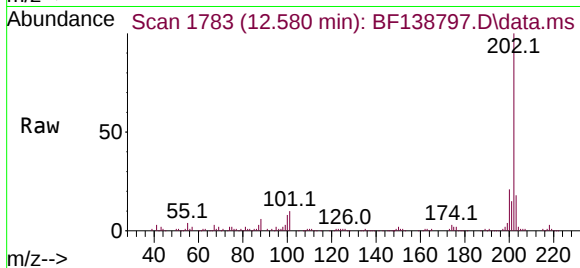
Tgt Ion:202 Resp: 94450

Ion Ratio Lower Upper

202 100

101 9.9 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: BF138797.D

Acq: 05 Aug 2024 21:30

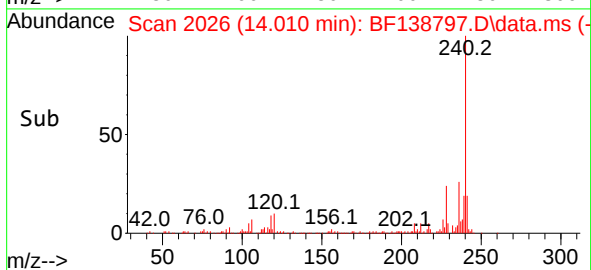
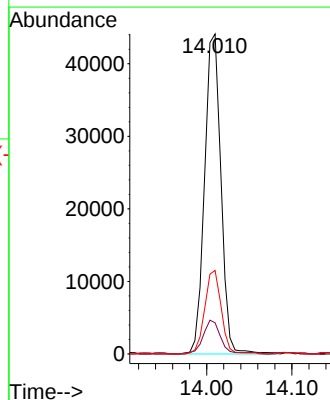
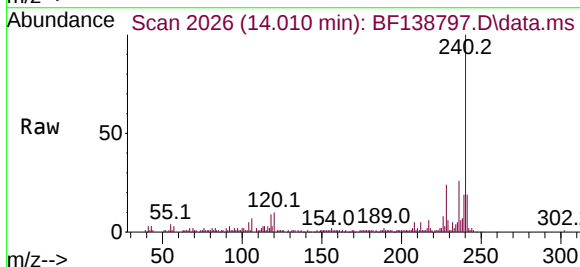
Tgt Ion:240 Resp: 58984

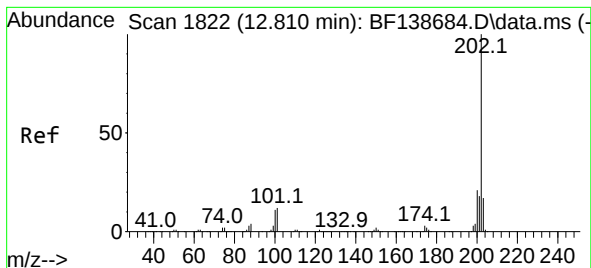
Ion Ratio Lower Upper

240 100

120 9.8 10.2 15.4#

236 26.1 19.8 29.8





#78

Pyrene

Concen: 17.815 ng

RT: 12.810 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

Instrument :

BNA_F

ClientSampleId :

EO-02-073124DL

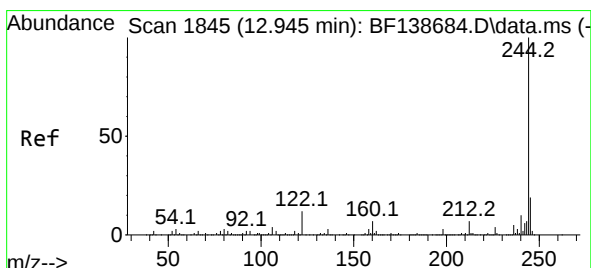
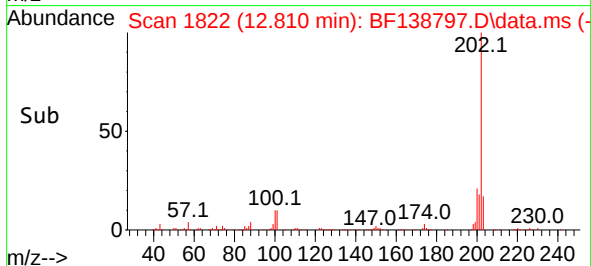
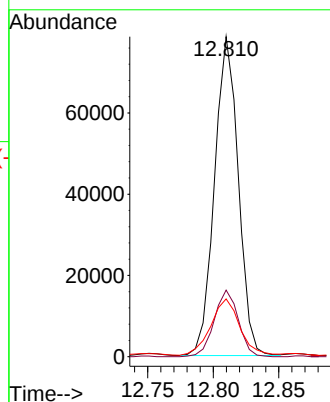
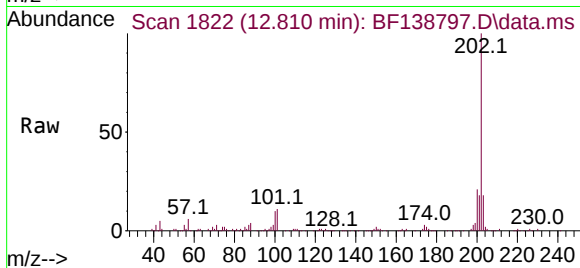
Tgt Ion:202 Resp: 98935

Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

203 18.1 13.8 20.6



#79

Terphenyl-d14

Concen: 7.175 ng

RT: 12.945 min Scan# 1845

Delta R.T. 0.000 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

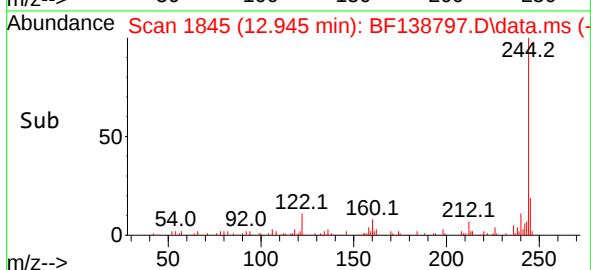
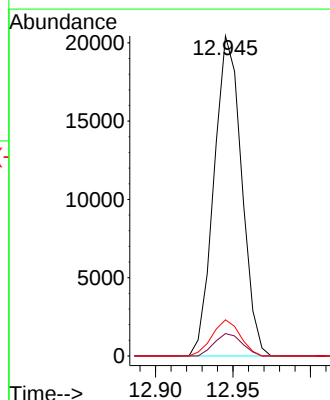
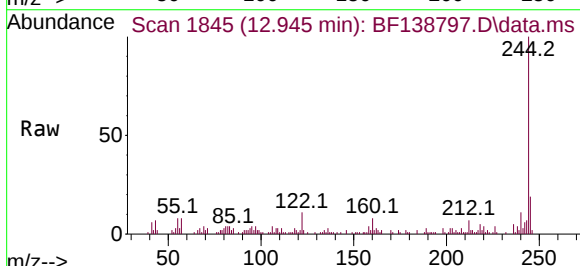
Tgt Ion:244 Resp: 25278

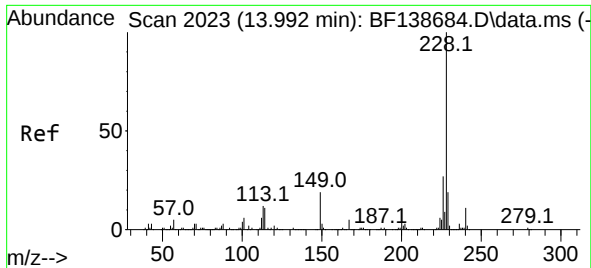
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 11.3 9.6 14.4

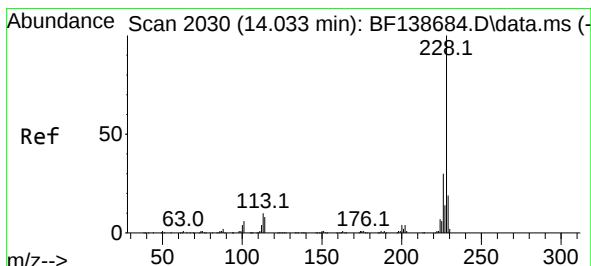
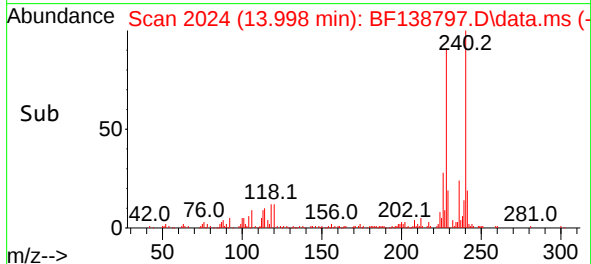
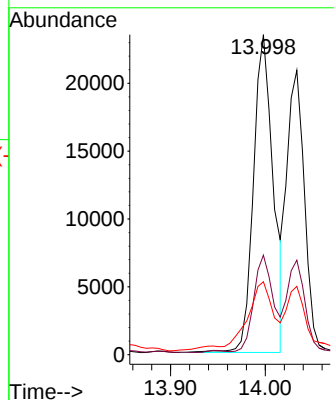
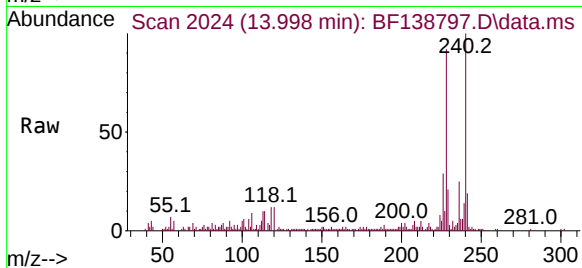




#81
Benzo(a)anthracene
Concen: 8.392 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

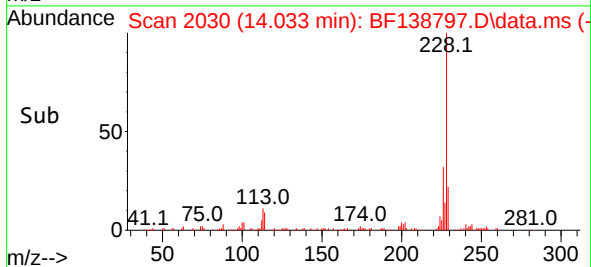
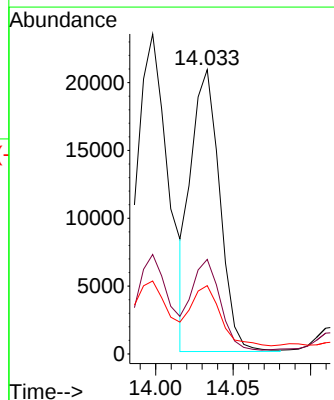
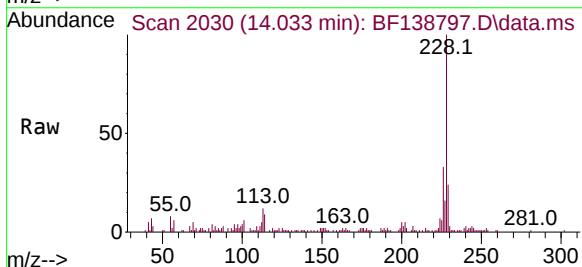
Instrument :
BNA_F
ClientSampleId :
EO-02-073124DL

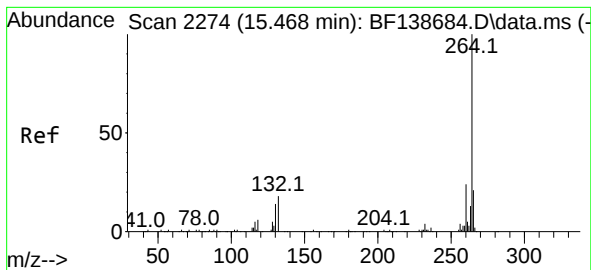
Tgt Ion:228 Resp: 34087
Ion Ratio Lower Upper
228 100
226 31.1 22.1 33.1
229 22.8 15.4 23.0



#83
Chrysene
Concen: 7.334 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138797.D
Acq: 05 Aug 2024 21:30

Tgt Ion:228 Resp: 26874
Ion Ratio Lower Upper
228 100
226 33.2 23.7 35.5
229 24.0 15.0 22.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

Instrument :

BNA_F

ClientSampleId :

EO-02-073124DL

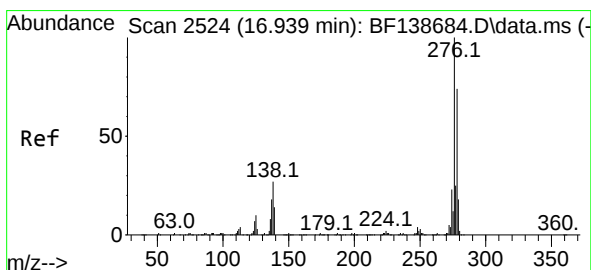
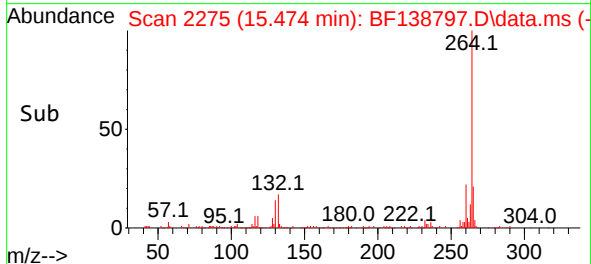
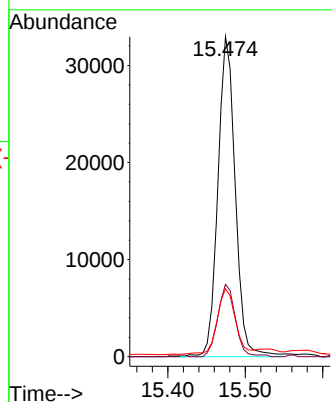
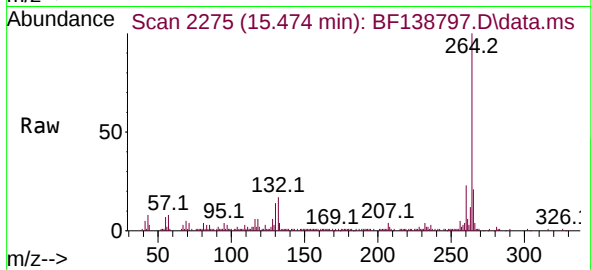
Tgt Ion:264 Resp: 51276

Ion Ratio Lower Upper

264 100

260 22.6 19.0 28.6

265 21.2 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.648 ng

RT: 16.951 min Scan# 2526

Delta R.T. 0.012 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

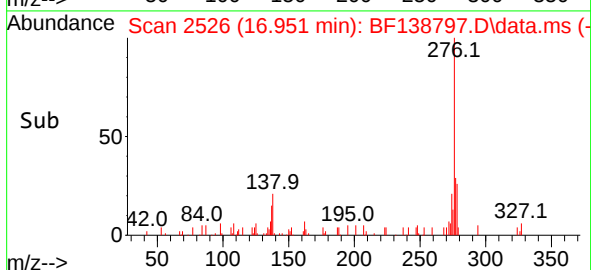
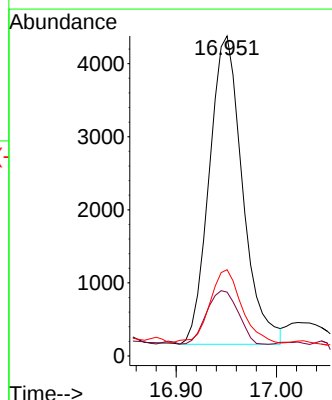
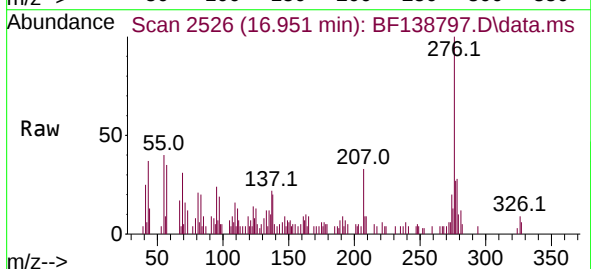
Tgt Ion:276 Resp: 9729

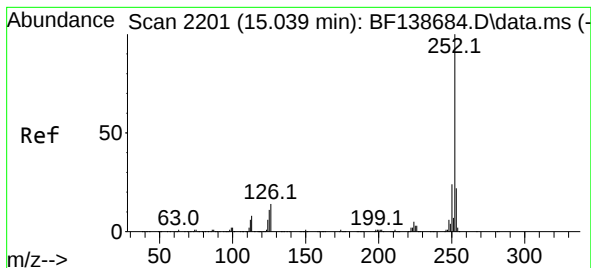
Ion Ratio Lower Upper

276 100

138 17.6 21.8 32.8#

277 22.6 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 10.082 ng

RT: 15.051 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

Instrument :

BNA_F

ClientSampleId :

EO-02-073124DL

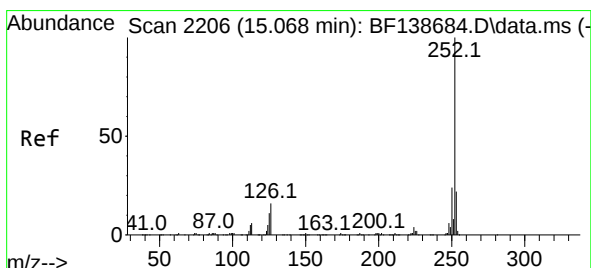
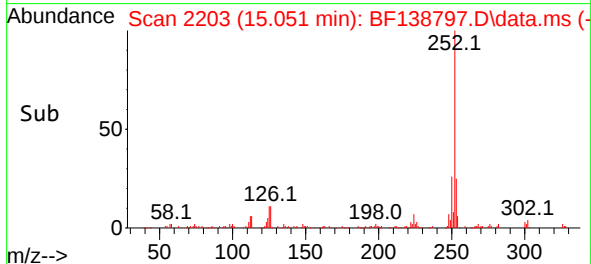
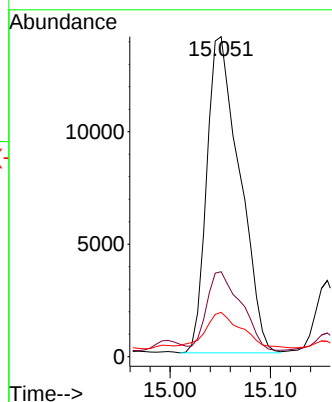
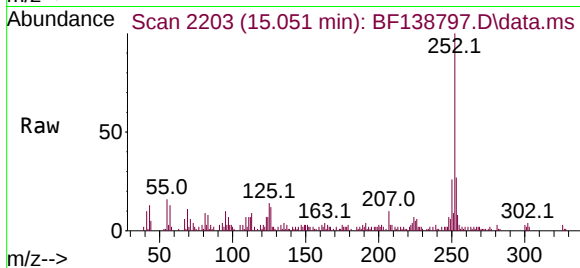
Tgt Ion:252 Resp: 32047

Ion Ratio Lower Upper

252 100

253 26.6 17.5 26.3#

125 13.9 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 11.645 ng

RT: 15.051 min Scan# 2203

Delta R.T. -0.018 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

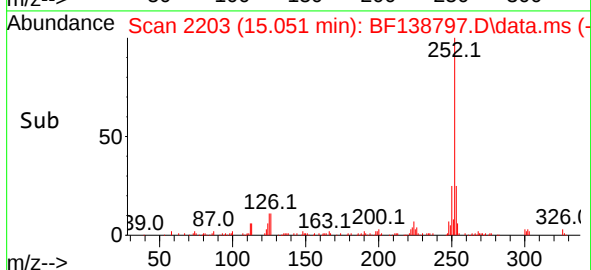
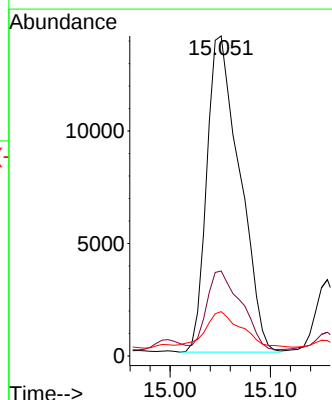
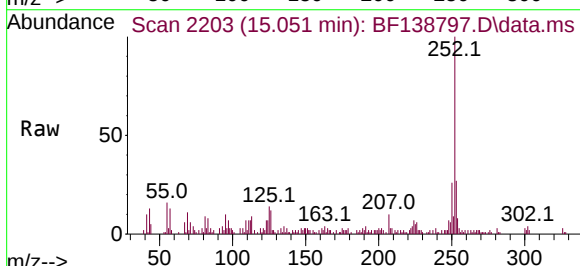
Tgt Ion:252 Resp: 32047

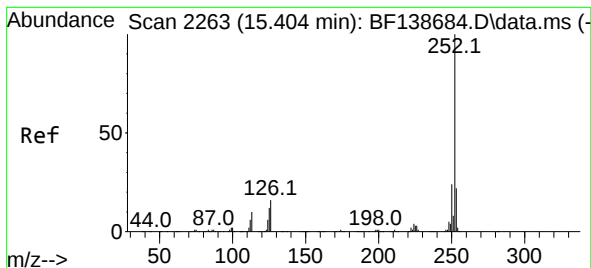
Ion Ratio Lower Upper

252 100

253 26.6 17.4 26.0#

125 13.9 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 7.850 ng

RT: 15.416 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

Instrument :

BNA_F

ClientSampleId :

EO-02-073124DL

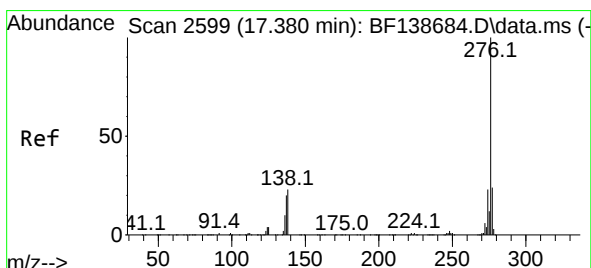
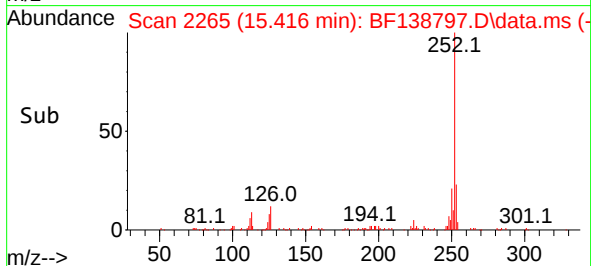
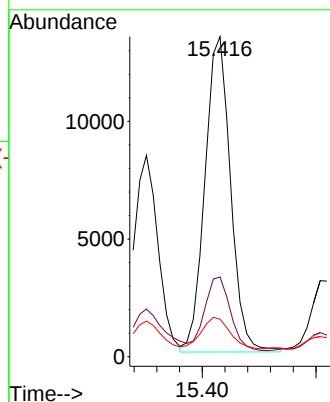
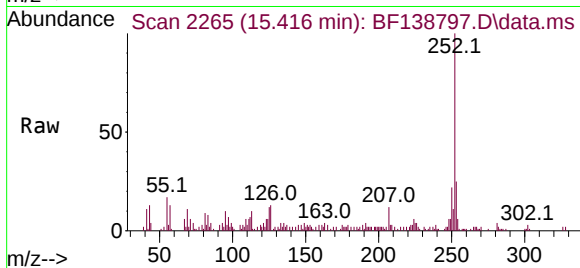
Tgt Ion:252 Resp: 20987

Ion Ratio Lower Upper

252 100

253 24.9 17.3 25.9

125 11.7 9.5 14.3



#92

Benzo(g,h,i)perylene

Concen: 3.444 ng

RT: 17.398 min Scan# 2602

Delta R.T. 0.018 min

Lab File: BF138797.D

Acq: 05 Aug 2024 21:30

Tgt Ion:276 Resp: 10781

Ion Ratio Lower Upper

276 100

277 28.5 19.0 28.4#

138 24.4 18.5 27.7

