

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011024\
 Data File : BF137032.D
 Acq On : 10 Jan 2024 21:37
 Operator : CG\JU
 Sample : P1086-02 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 332

Quant Time: Jan 11 00:03:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

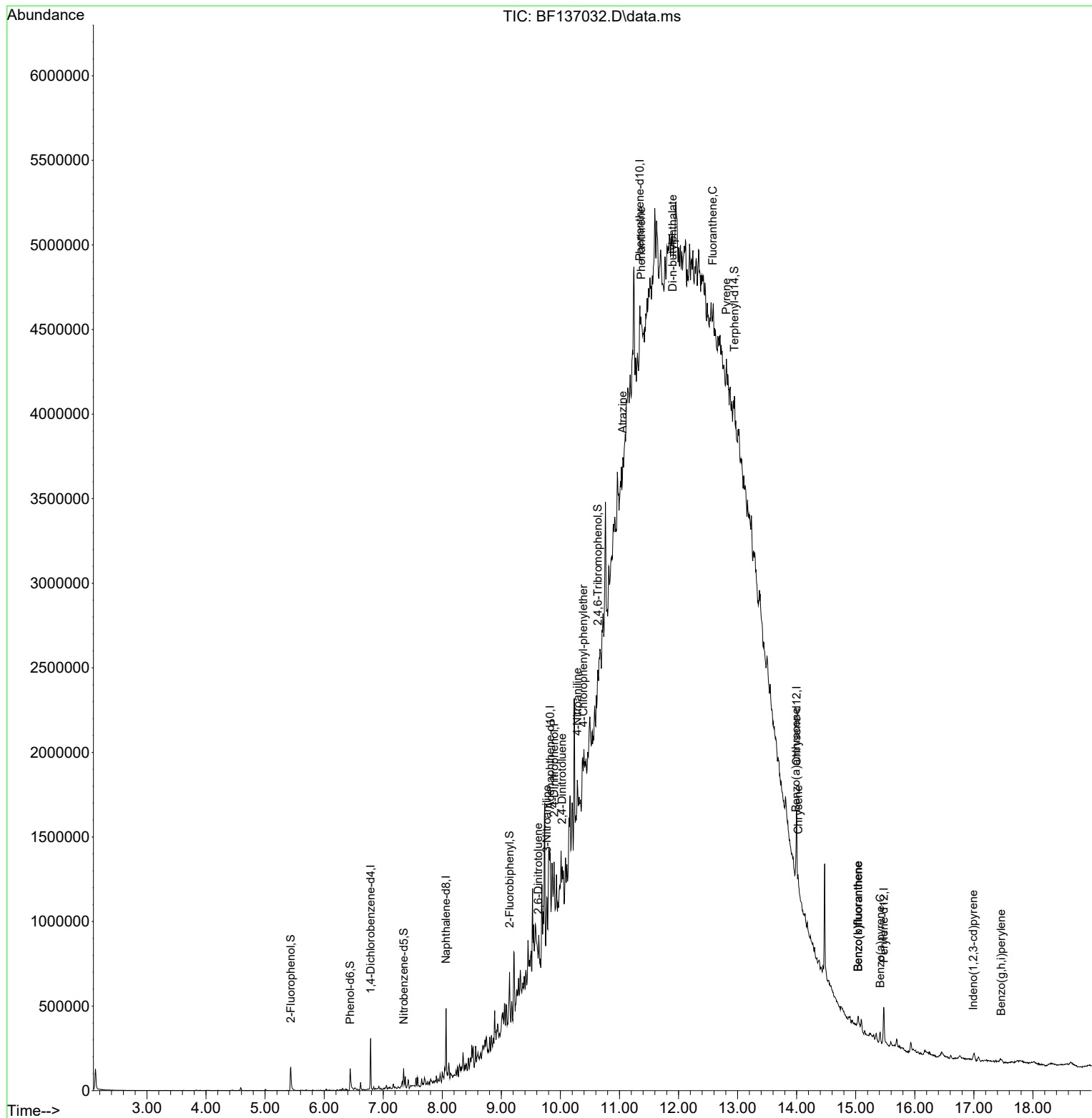
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	43128	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	144934	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	71241	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	114753	20.000	ng	# 0.03
76) Chrysene-d12	13.998	240	118973	20.000	ng	0.03
86) Perylene-d12	15.474	264	93018	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	52870	19.127	ng	0.00
7) Phenol-d6	6.440	99	59103	16.502	ng	0.00
23) Nitrobenzene-d5	7.345	82	32277	11.396	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	14489	17.269	ng	0.01
45) 2-Fluorobiphenyl	9.139	172	71146	13.432	ng	-0.01
79) Terphenyl-d14	12.945	244	79579	9.347	ng	0.03
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.622	165	4930	4.175	ng	# 40
53) 3-Nitroaniline	9.769	138	6444	5.151	ng	# 25
54) 2,4-Dinitrophenol	9.892	184	64	3.828	ng	# 1
57) 2,4-Dinitrotoluene	10.028	165	4714	3.075	ng	# 54
61) 4-Chlorophenyl-phenyle...	10.386	204	6448	2.561	ng	# 40
62) 4-Nitroaniline	10.286	138	12387	10.271	ng	# 89
69) Atrazine	11.051	200	5631	5.906	ng	# 1
71) Phenanthrene	11.369	178	40939	6.953	ng	# 50
74) Di-n-butylphthalate	11.898	149	26914	3.923	ng	# 23
75) Fluoranthene	12.580	202	58195	9.240	ng	# 77
78) Pyrene	12.810	202	70571	6.042	ng	# 84
81) Benzo(a)anthracene	13.986	228	40722	4.929	ng	# 93
83) Chrysene	14.027	228	40760	5.045	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.992	276	16784	2.499	ng	# 96
88) Benzo(b)fluoranthene	15.039	252	54850	8.829	ng	# 82
89) Benzo(k)fluoranthene	15.039	252	54850	9.343	ng	# 82
90) Benzo(a)pyrene	15.416	252	25375	4.839	ng	# 82
92) Benzo(g,h,i)perylene	17.462	276	15141	2.683	ng	# 90

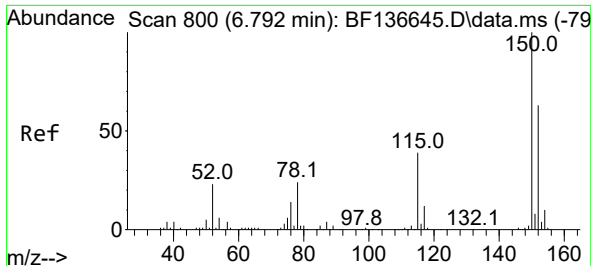
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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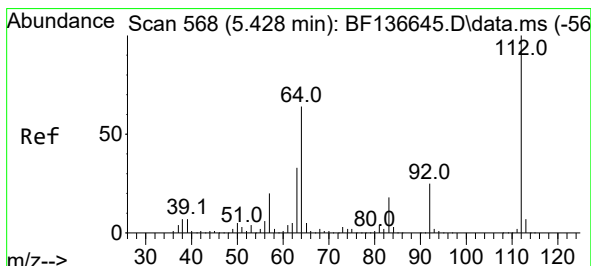
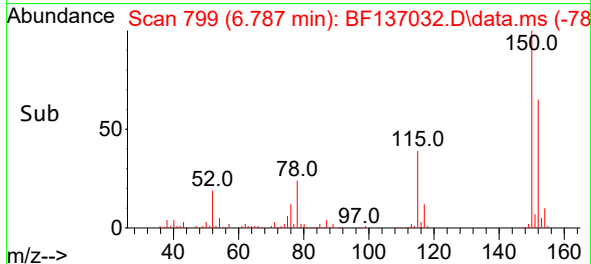
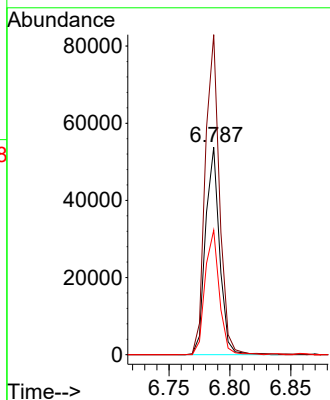
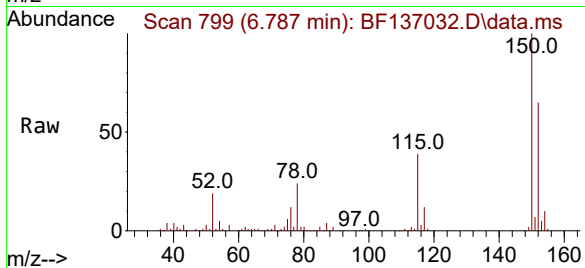




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 799
 Delta R.T. -0.005 min
 Lab File: BF137032.D
 Acq: 10 Jan 2024 21:37

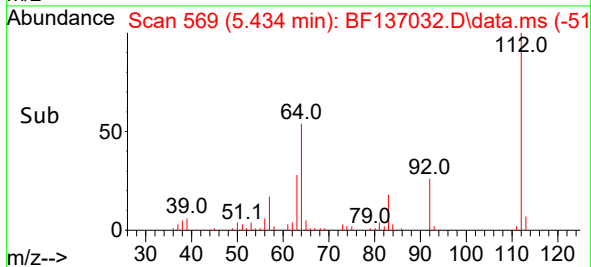
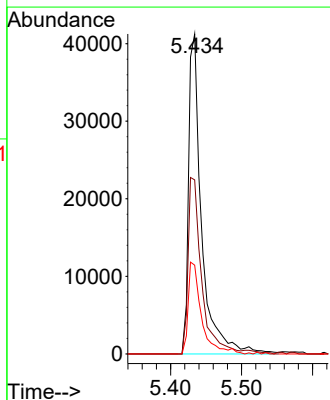
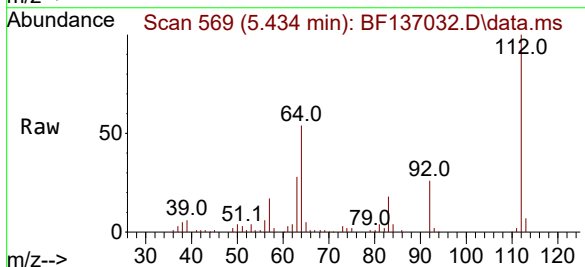
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 332

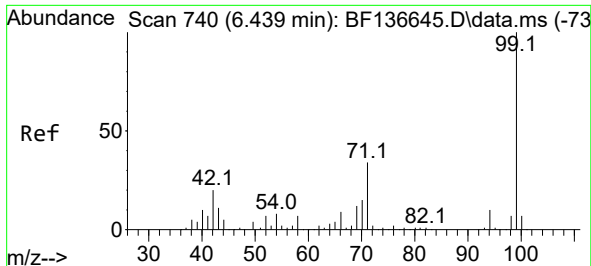
Tgt Ion:152 Resp: 43128
 Ion Ratio Lower Upper
 152 100
 150 154.3 127.0 190.6
 115 60.0 49.0 73.4



#5
 2-Fluorophenol
 Concen: 19.127 ng
 RT: 5.434 min Scan# 569
 Delta R.T. 0.006 min
 Lab File: BF137032.D
 Acq: 10 Jan 2024 21:37

Tgt Ion:112 Resp: 52870
 Ion Ratio Lower Upper
 112 100
 64 54.4 51.1 76.7
 63 27.8 26.1 39.1

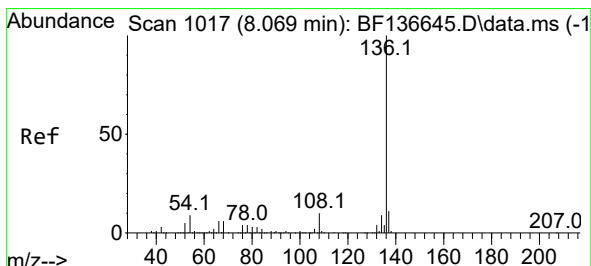
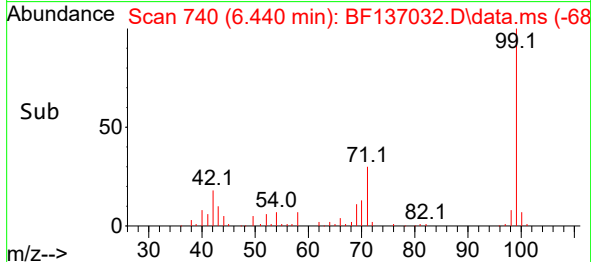
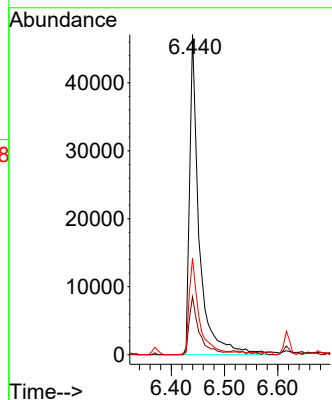
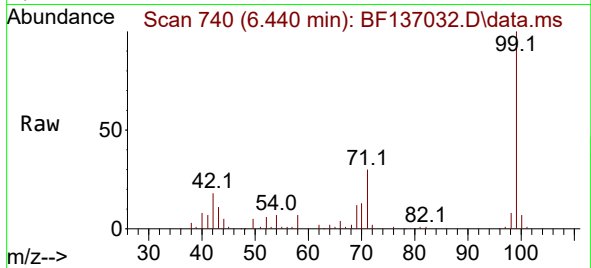




#7
Phenol-d6
Concen: 16.502 ng
RT: 6.440 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

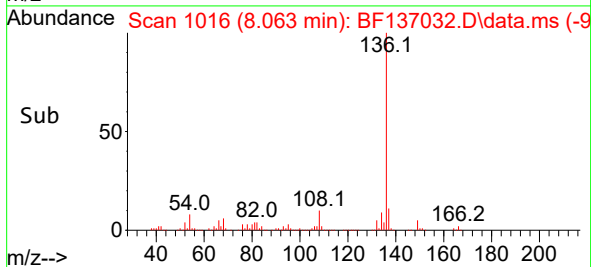
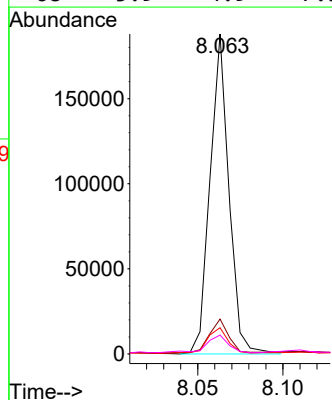
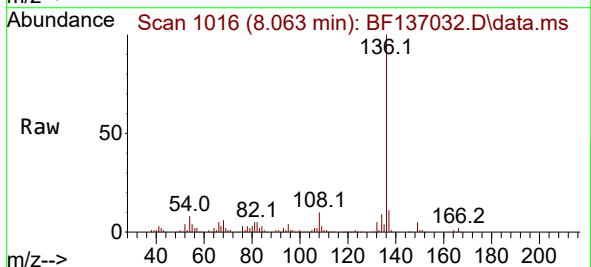
Instrument :
BNA_F
ClientSampleId :
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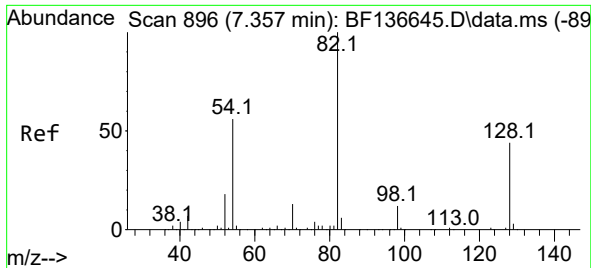
Tgt Ion: 99 Resp: 59103
Ion Ratio Lower Upper
99 100
42 18.1 16.1 24.1
71 30.2 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

Tgt Ion:136 Resp: 144934
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 8.2 7.2 10.8
68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 11.396 ng

RT: 7.345 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

332

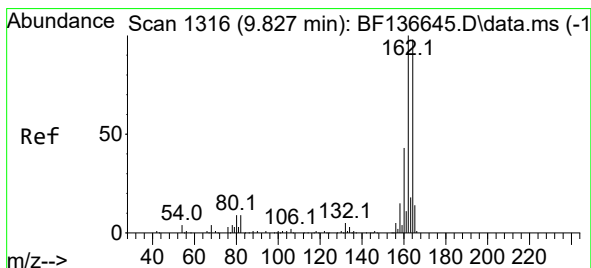
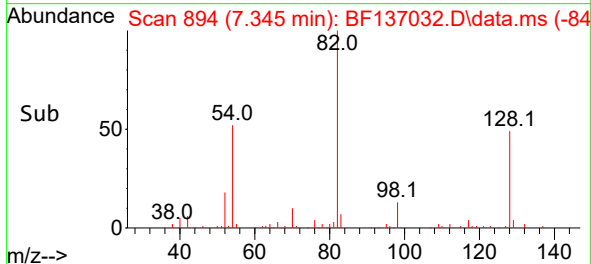
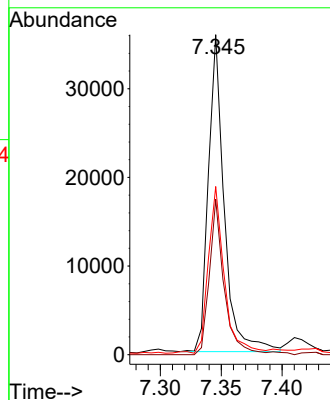
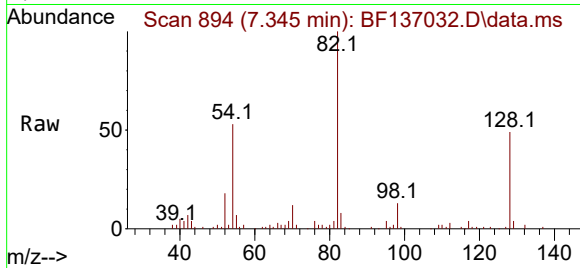
Tgt Ion: 82 Resp: 32277

Ion Ratio Lower Upper

82 100

128 48.5 35.3 52.9

54 52.5 44.5 66.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.000 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

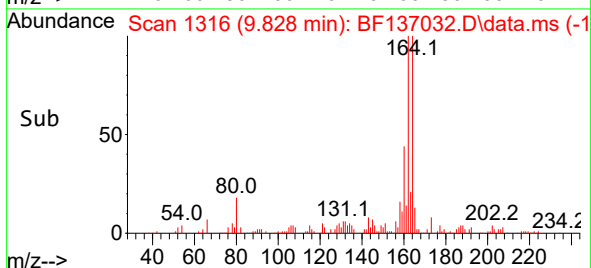
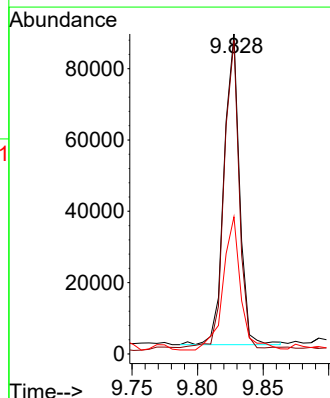
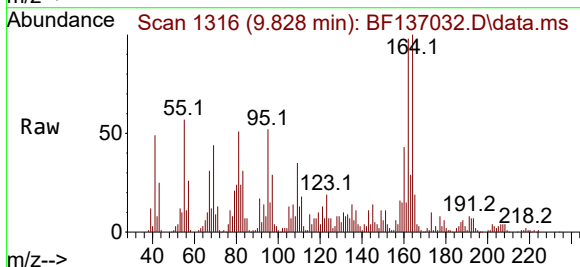
Tgt Ion: 164 Resp: 71241

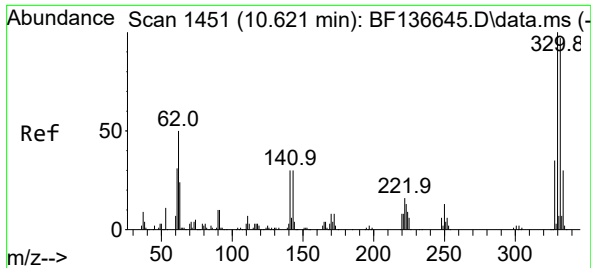
Ion Ratio Lower Upper

164 100

162 98.0 81.6 122.4

160 42.9 34.9 52.3

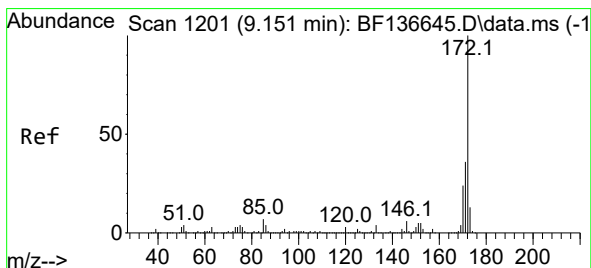
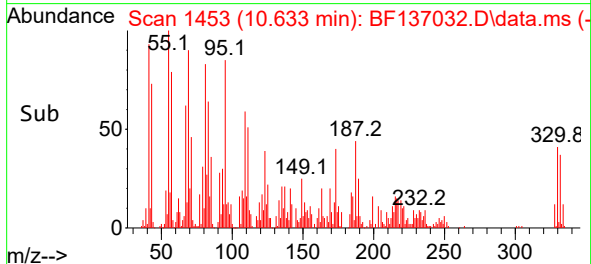
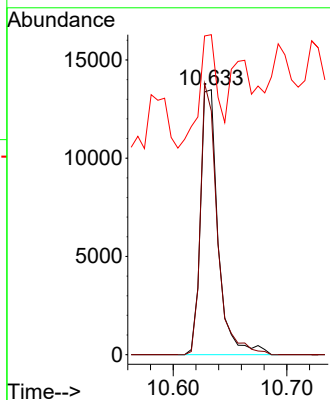
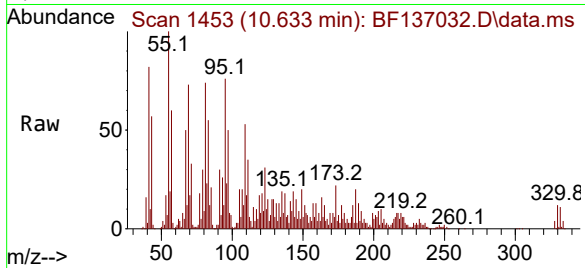




#42
2,4,6-Tribromophenol
Concen: 17.269 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.012 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

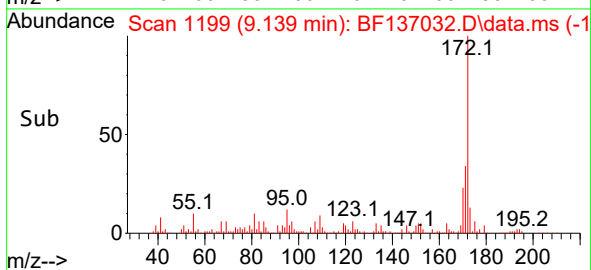
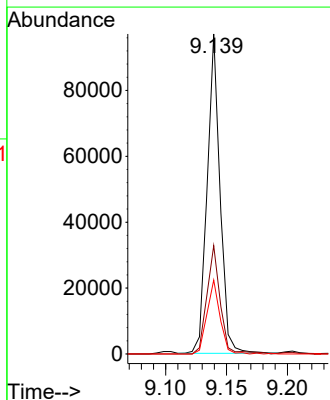
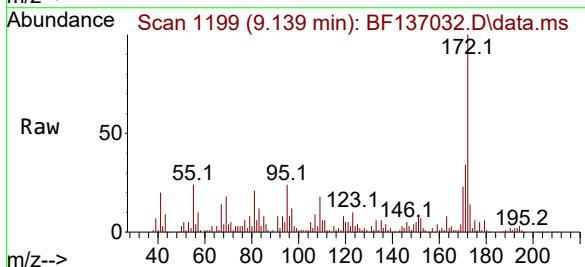
Instrument :
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ClientSampleId :
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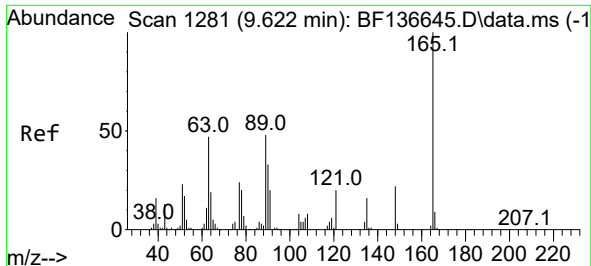
Tgt Ion: 330 Resp: 14489
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.0
141 45.1 23.4 35.2#



#45
2-Fluorobiphenyl
Concen: 13.432 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

Tgt Ion: 172 Resp: 71146
Ion Ratio Lower Upper
172 100
171 33.9 29.0 43.6
170 23.1 19.0 28.4

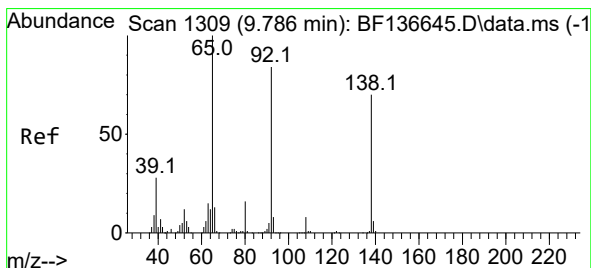
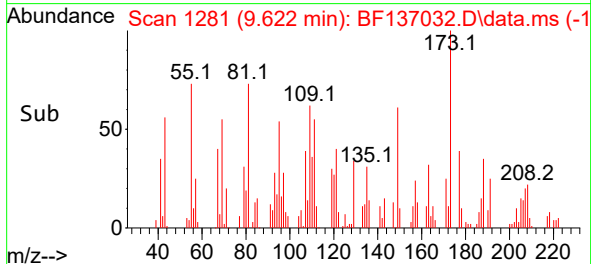
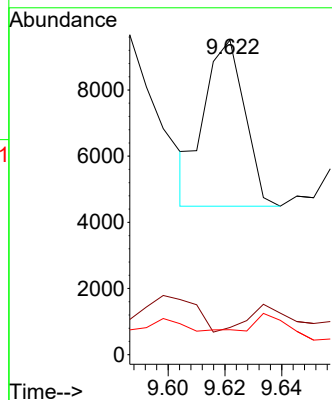
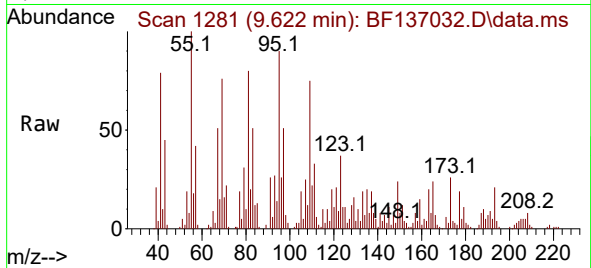




#51
2,6-Dinitrotoluene
Concen: 4.175 ng
RT: 9.622 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

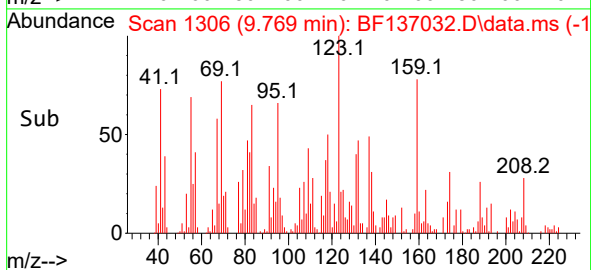
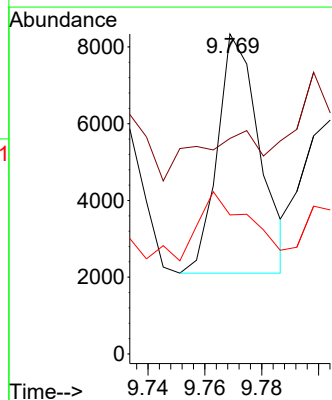
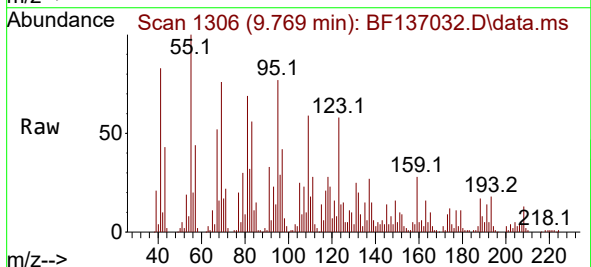
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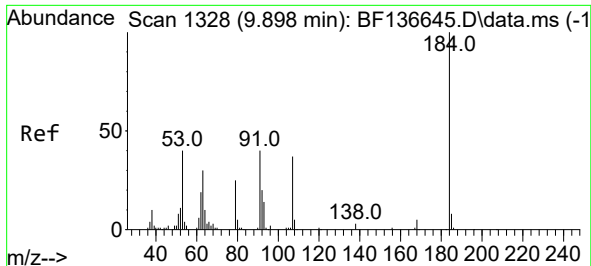
Tgt Ion:165 Resp: 4930
Ion Ratio Lower Upper
165 100
63 8.7 39.8 59.6#
89 8.0 38.8 58.2#



#53
3-Nitroaniline
Concen: 5.151 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.017 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

Tgt Ion:138 Resp: 6444
Ion Ratio Lower Upper
138 100
108 67.3 8.6 12.8#
92 43.5 95.2 142.8#

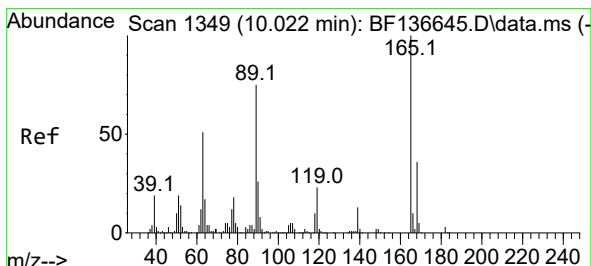
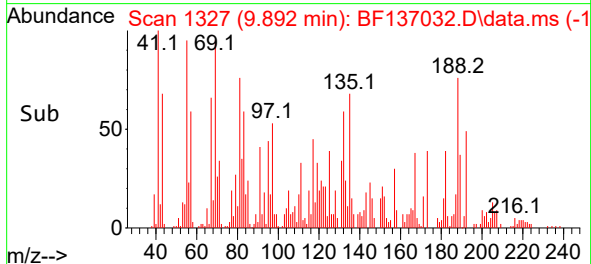
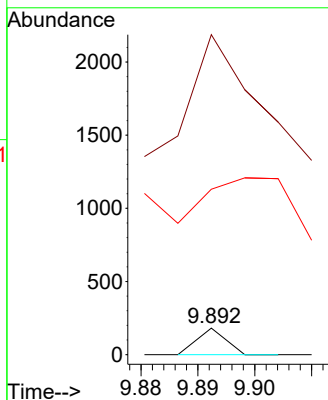
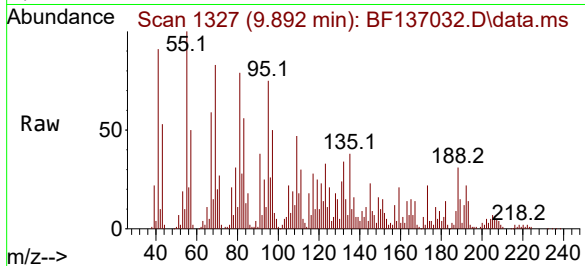




#54
2,4-Dinitrophenol
Concen: 3.828 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

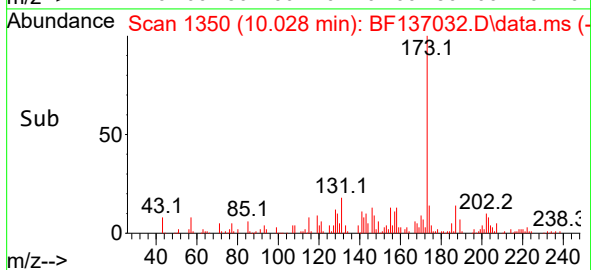
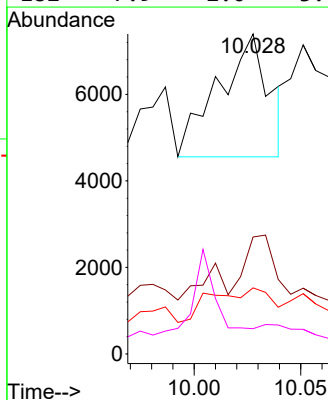
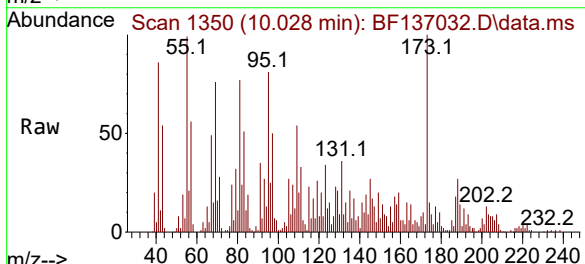
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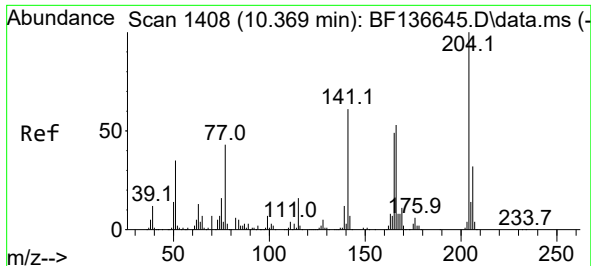
Tgt Ion:184 Resp: 64
Ion Ratio Lower Upper
184 100
63 1208.3 40.9 61.3#
154 624.9 42.7 64.1#



#57
2,4-Dinitrotoluene
Concen: 3.075 ng
RT: 10.028 min Scan# 1350
Delta R.T. 0.006 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

Tgt Ion:165 Resp: 4714
Ion Ratio Lower Upper
165 100
63 36.6 41.0 61.6#
89 20.7 59.9 89.9#
182 7.9 2.0 3.0#

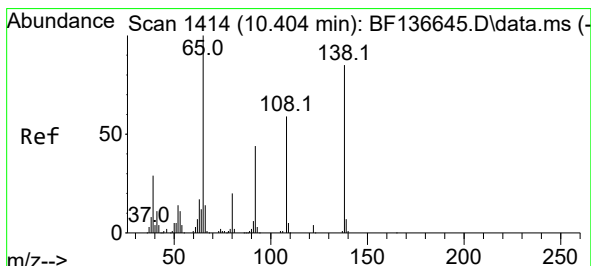
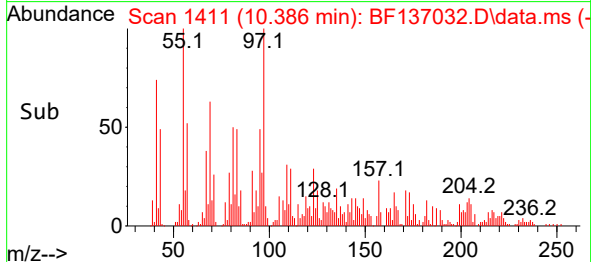
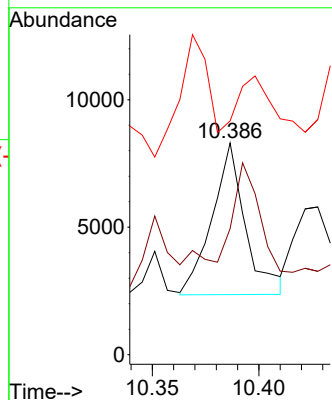
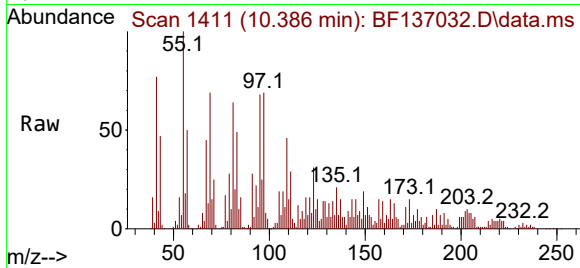




#61
4-Chlorophenyl-phenylether
Concen: 2.561 ng
RT: 10.386 min Scan# 1408
Delta R.T. 0.018 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

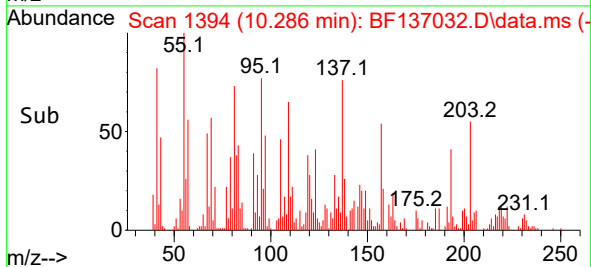
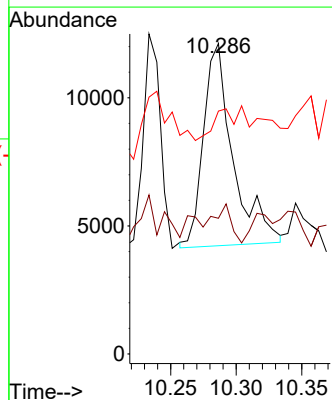
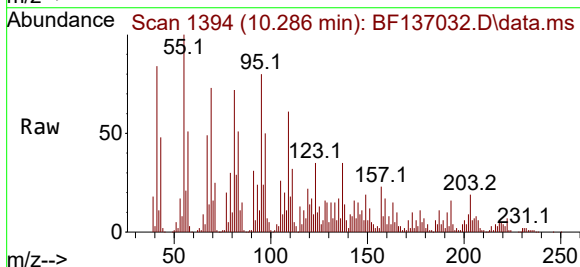
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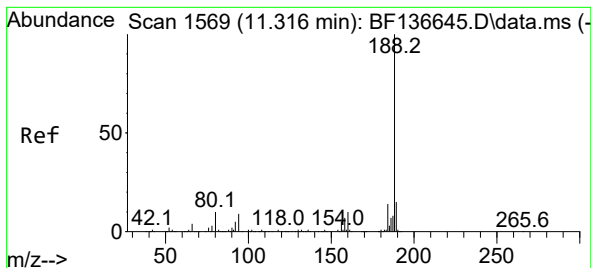
Tgt Ion:204 Resp: 6448
Ion Ratio Lower Upper
204 100
206 59.6 25.6 38.4#
141 110.5 48.4 72.6#



#62
4-Nitroaniline
Concen: 10.271 ng
RT: 10.286 min Scan# 1394
Delta R.T. -0.117 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

Tgt Ion:138 Resp: 12387
Ion Ratio Lower Upper
138 100
92 43.7 32.1 72.1
108 78.2 50.1 90.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 11

Delta R.T. 0.030 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

332

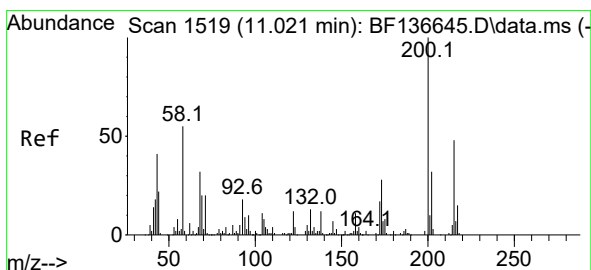
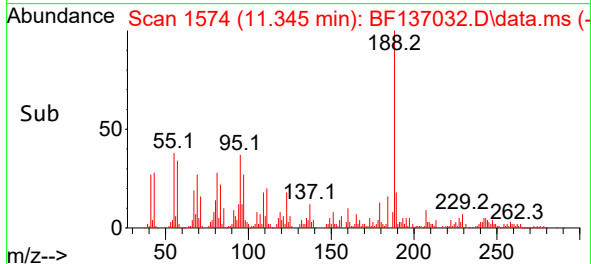
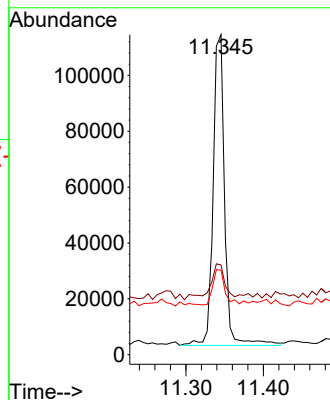
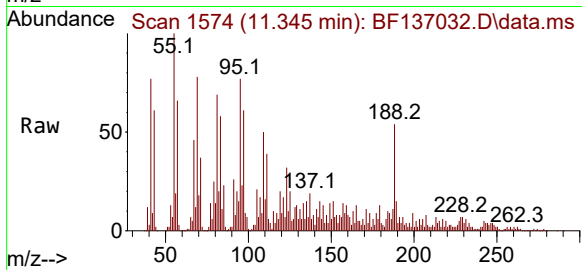
Tgt Ion:188 Resp: 114753

Ion Ratio Lower Upper

188 100

94 28.0 7.5 11.3#

80 26.4 8.1 12.1#



#69

Atrazine

Concen: 5.906 ng

RT: 11.051 min Scan# 1524

Delta R.T. 0.030 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

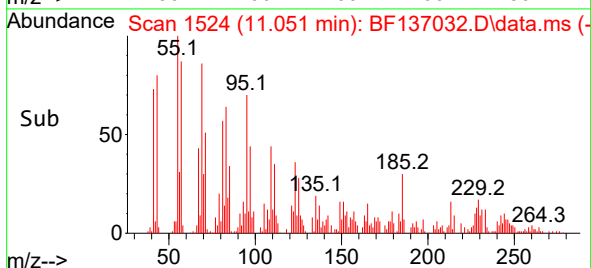
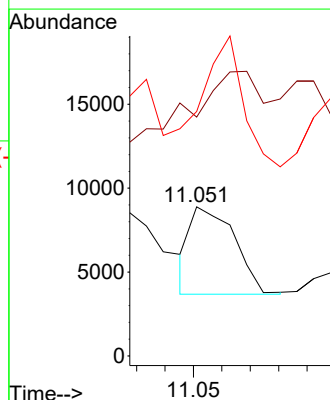
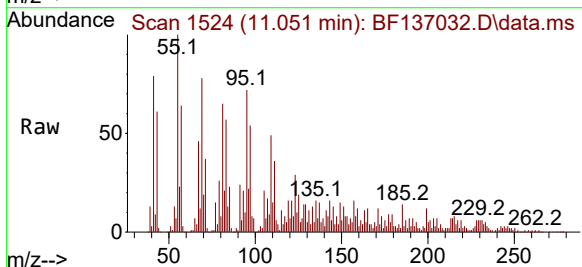
Tgt Ion:200 Resp: 5631

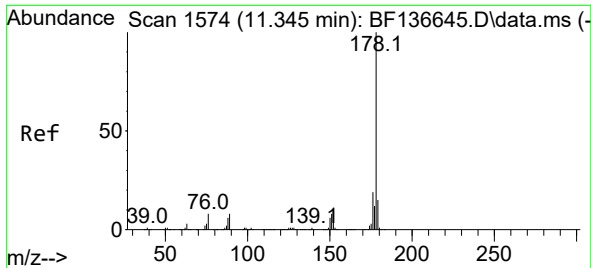
Ion Ratio Lower Upper

200 100

173 160.1 7.6 47.6#

215 163.9 28.3 68.3#

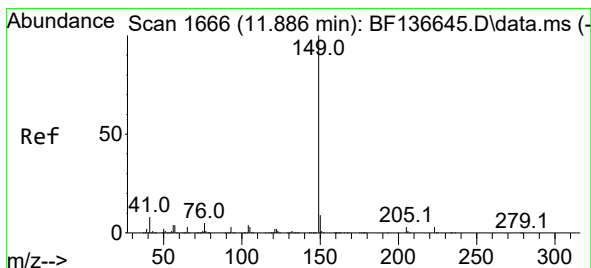
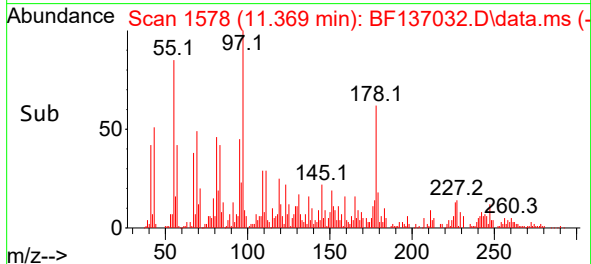
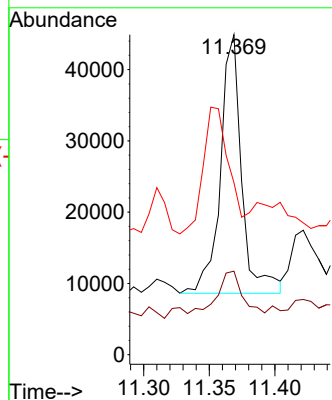
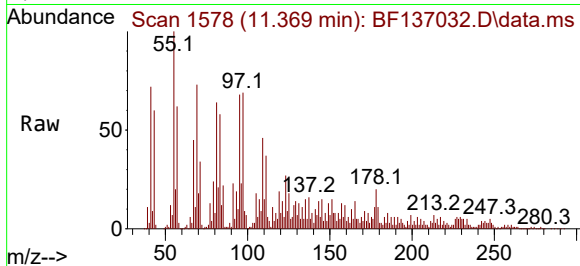




#71
Phenanthrene
Concen: 6.953 ng
RT: 11.369 min Scan# 11369
Delta R.T. 0.024 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

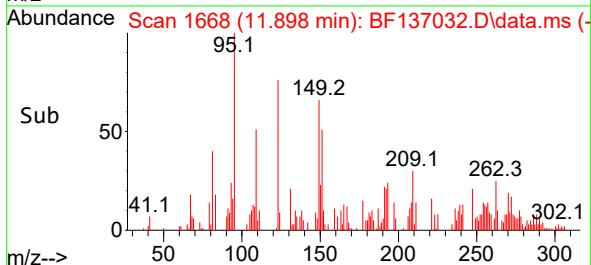
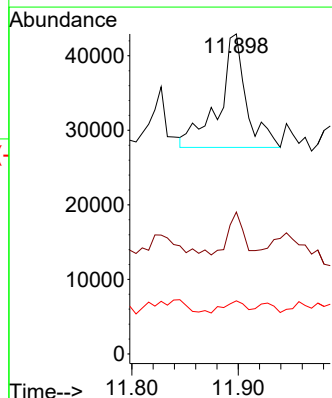
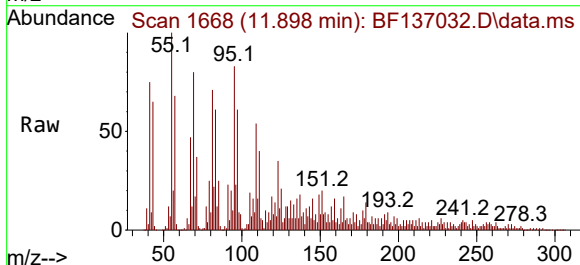
Instrument :
BNA_F
ClientSampleId :
332

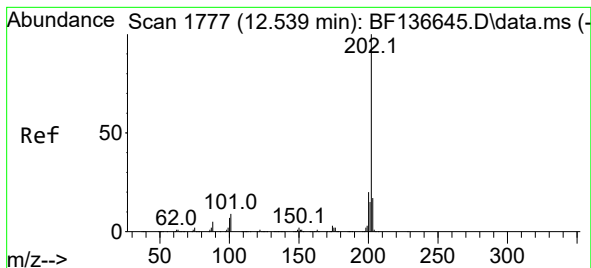
Tgt Ion:178 Resp: 40939
Ion Ratio Lower Upper
178 100
176 26.1 15.3 22.9#
179 53.8 11.9 17.9#



#74
Di-n-butylphthalate
Concen: 3.923 ng
RT: 11.898 min Scan# 1668
Delta R.T. 0.012 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

Tgt Ion:149 Resp: 26914
Ion Ratio Lower Upper
149 100
150 44.4 7.4 11.2#
104 16.6 3.6 5.4#





#75

Fluoranthene

Concen: 9.240 ng

RT: 12.580 min Scan# 1

Delta R.T. 0.041 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

332

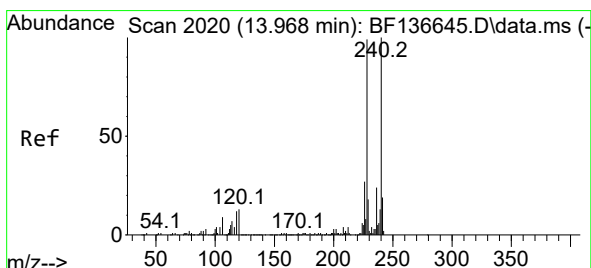
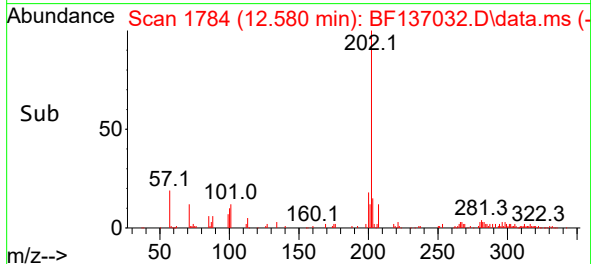
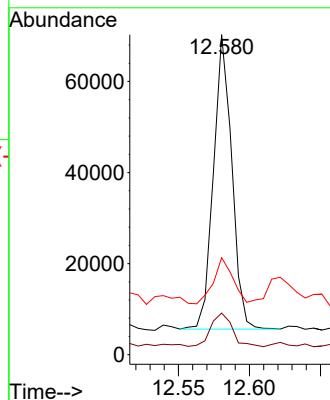
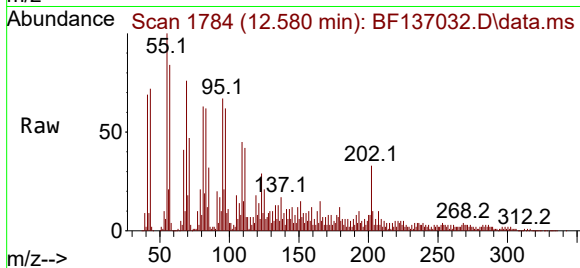
Tgt Ion:202 Resp: 58195

Ion Ratio Lower Upper

202 100

101 13.0 0.0 29.3

203 30.3 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.030 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

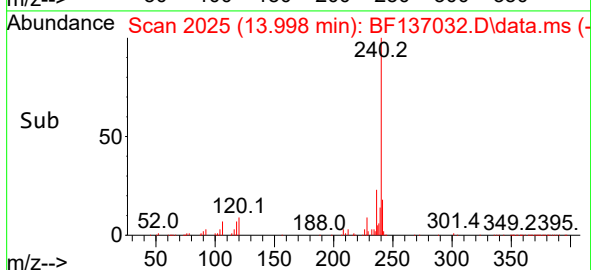
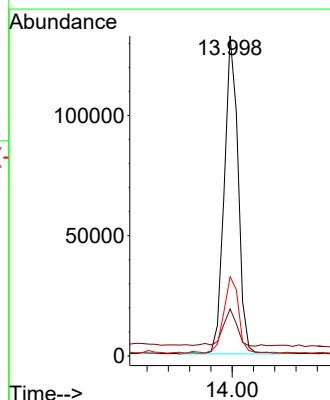
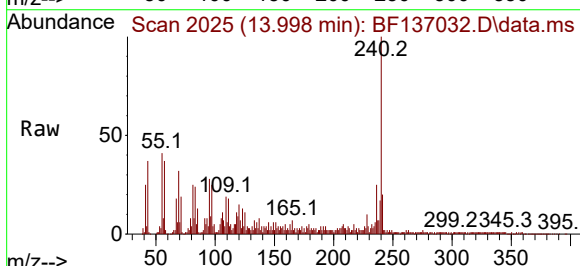
Tgt Ion:240 Resp: 118973

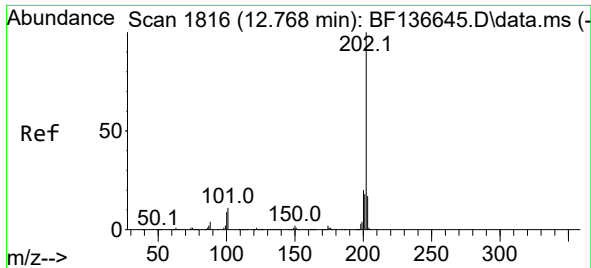
Ion Ratio Lower Upper

240 100

120 14.7 10.3 15.5

236 24.7 19.4 29.2

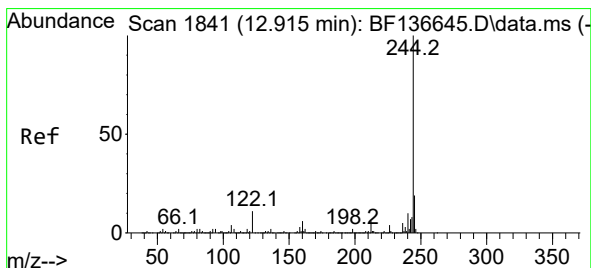
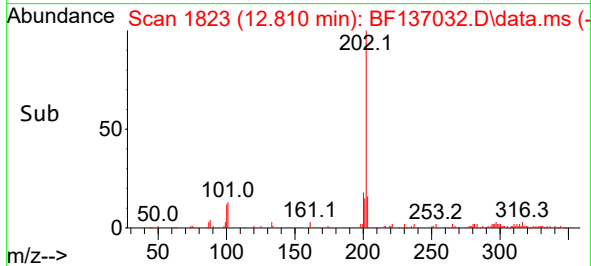
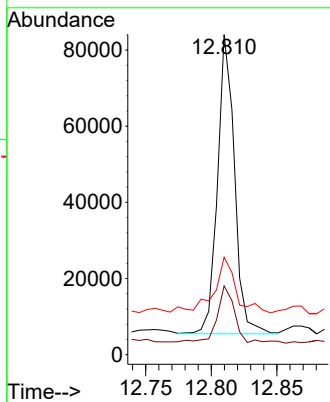
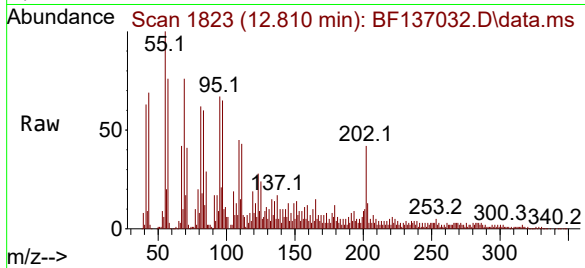




#78
Pyrene
Concen: 6.042 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.041 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

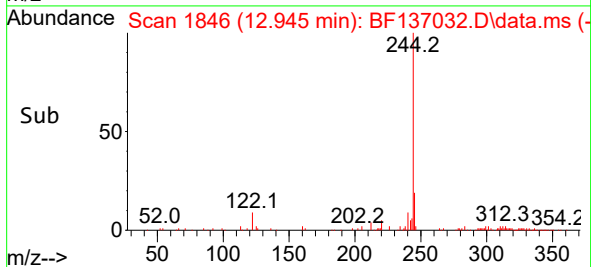
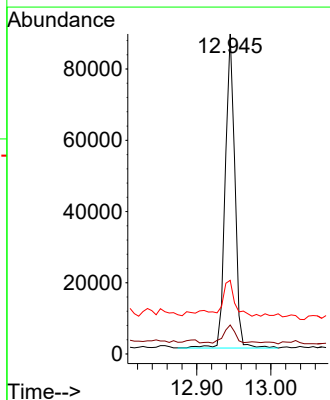
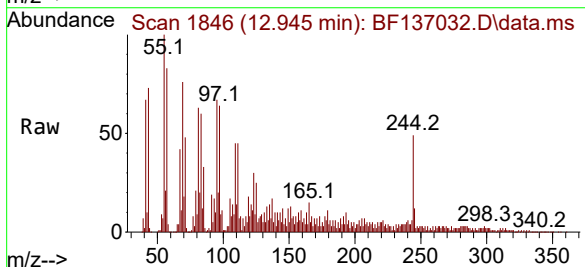
Instrument :
BNA_F
ClientSampleId :
332

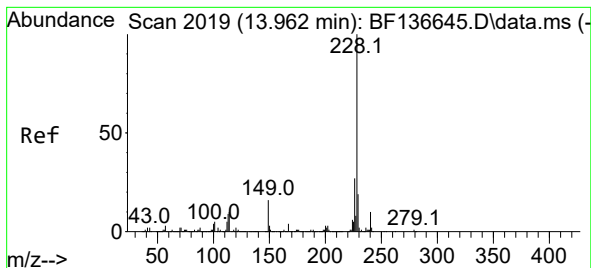
Tgt Ion:202 Resp: 70571
Ion Ratio Lower Upper
202 100
200 21.5 15.9 23.9
203 30.5 13.8 20.6#



#79
Terphenyl-d14
Concen: 9.347 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.030 min
Lab File: BF137032.D
Acq: 10 Jan 2024 21:37

Tgt Ion:244 Resp: 79579
Ion Ratio Lower Upper
244 100
212 9.0 5.0 7.4#
122 23.0 9.0 13.4#





#81

Benzo(a)anthracene

Concen: 4.929 ng

RT: 13.986 min Scan# 2019

Delta R.T. 0.024 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

332

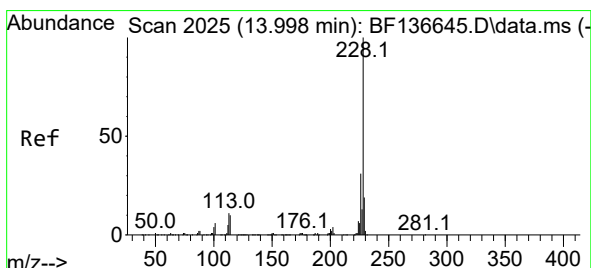
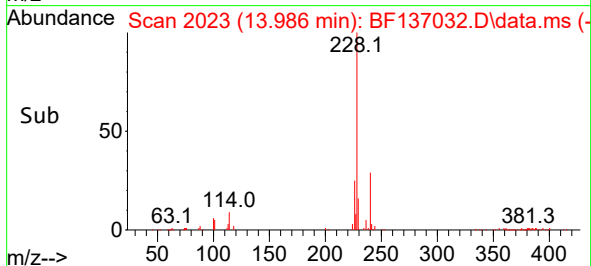
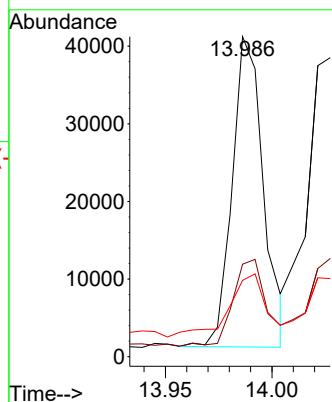
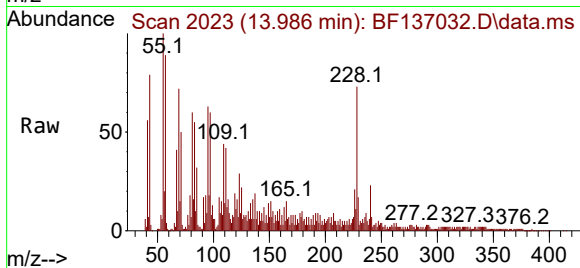
Tgt Ion:228 Resp: 40722

Ion Ratio Lower Upper

228 100

226 28.9 21.4 32.0

229 23.8 14.9 22.3#



#83

Chrysene

Concen: 5.045 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.030 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

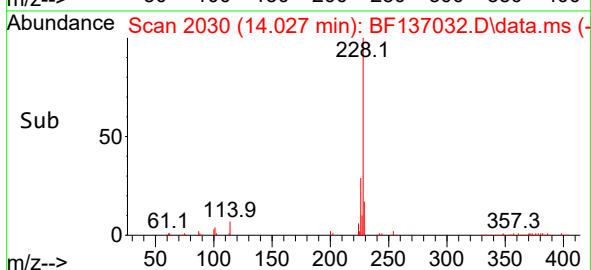
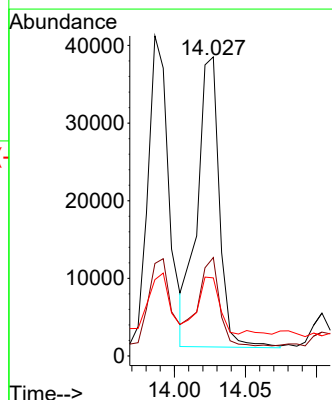
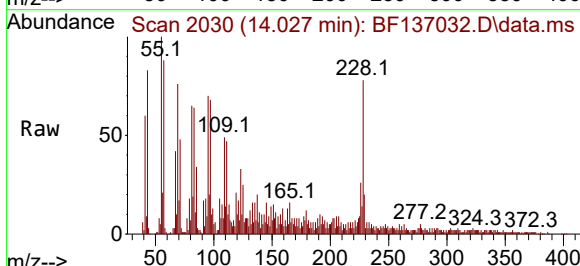
Tgt Ion:228 Resp: 40760

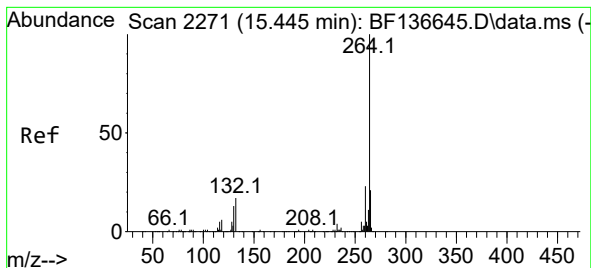
Ion Ratio Lower Upper

228 100

226 32.9 24.7 37.1

229 26.1 15.4 23.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

332

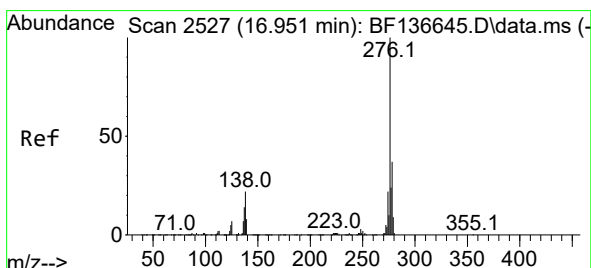
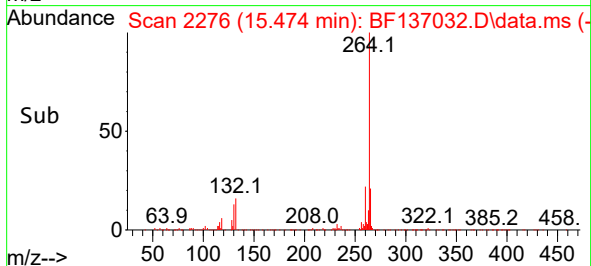
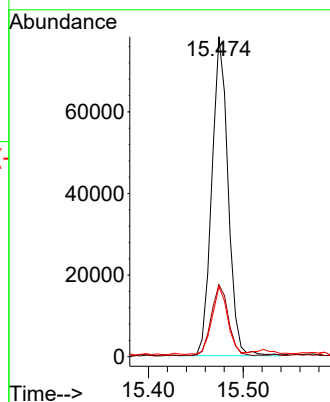
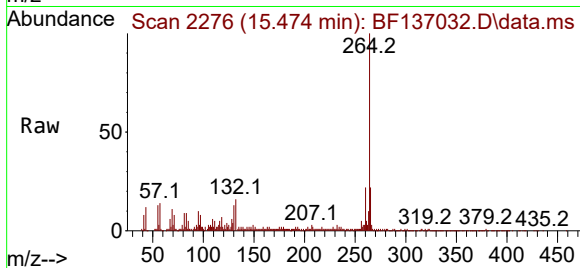
Tgt Ion:264 Resp: 93018

Ion Ratio Lower Upper

264 100

260 22.5 18.3 27.5

265 21.9 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.499 ng

RT: 16.992 min Scan# 2534

Delta R.T. 0.041 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

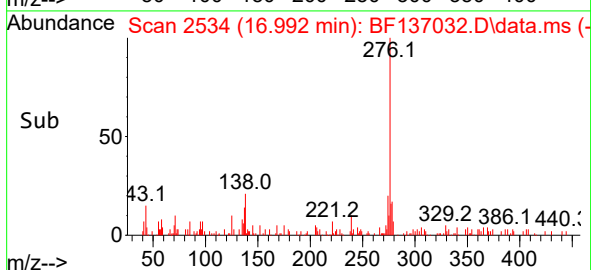
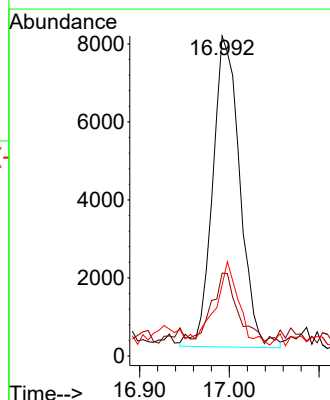
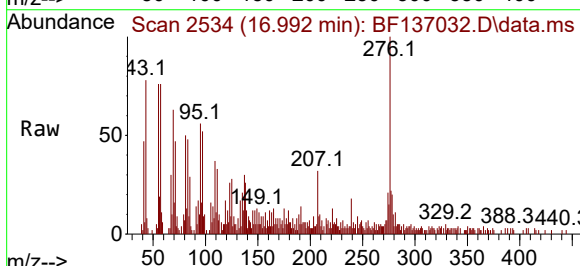
Tgt Ion:276 Resp: 16784

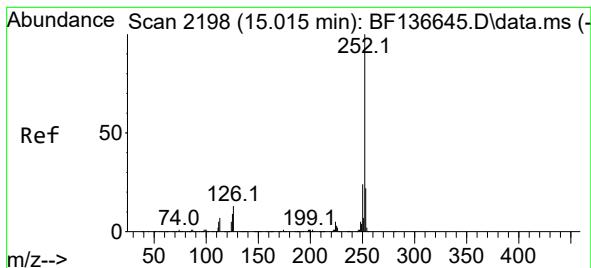
Ion Ratio Lower Upper

276 100

138 22.1 18.7 28.1

277 22.7 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 8.829 ng

RT: 15.039 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

332

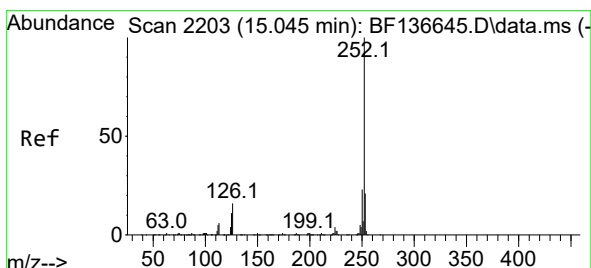
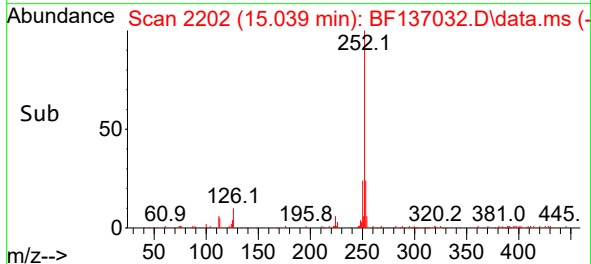
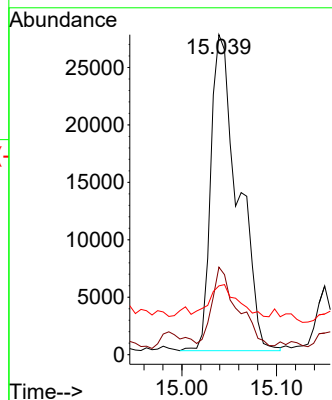
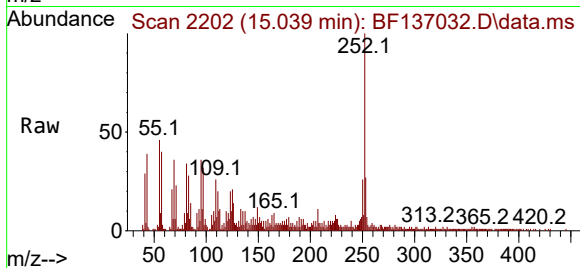
Tgt Ion:252 Resp: 54850

Ion Ratio Lower Upper

252 100

253 27.3 17.4 26.0#

125 21.5 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 9.343 ng

RT: 15.039 min Scan# 2202

Delta R.T. -0.006 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

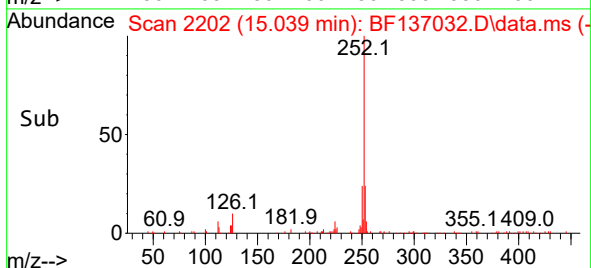
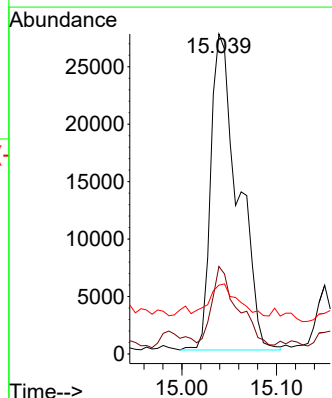
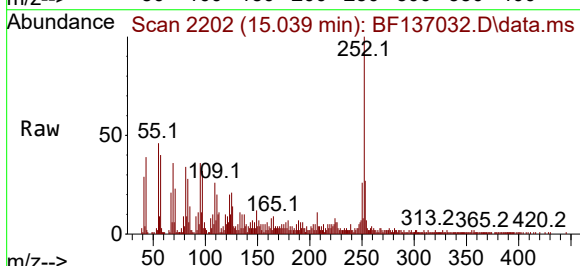
Tgt Ion:252 Resp: 54850

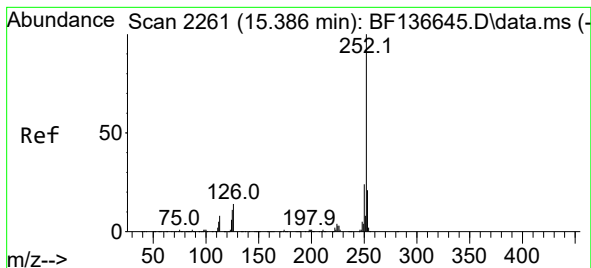
Ion Ratio Lower Upper

252 100

253 27.3 17.0 25.6#

125 21.5 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 4.839 ng

RT: 15.416 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Instrument :

BNA_F

ClientSampleId :

332

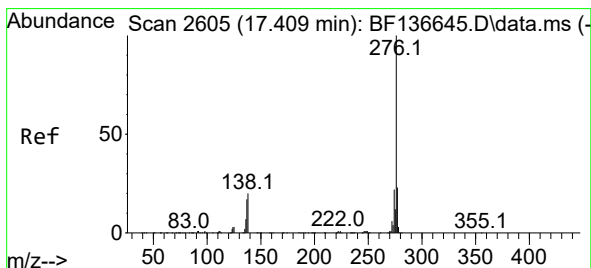
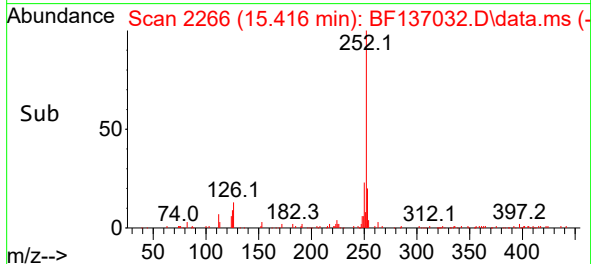
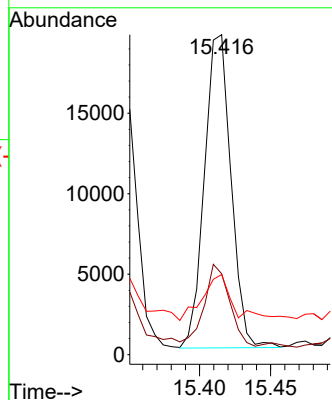
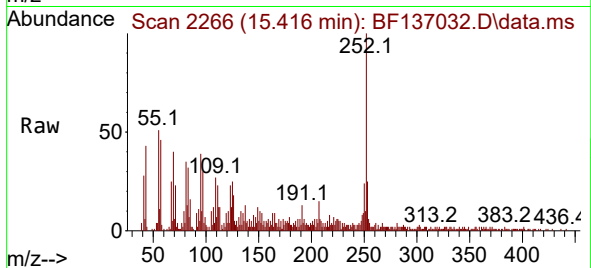
Tgt Ion:252 Resp: 25375

Ion Ratio Lower Upper

252 100

253 25.3 17.0 25.6

125 25.1 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 2.683 ng

RT: 17.462 min Scan# 2614

Delta R.T. 0.053 min

Lab File: BF137032.D

Acq: 10 Jan 2024 21:37

Tgt Ion:276 Resp: 15141

Ion Ratio Lower Upper

276 100

277 26.9 18.3 27.5

138 25.0 15.6 23.4#

