

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112624\
 Data File : BF140642.D
 Acq On : 26 Nov 2024 15:22
 Operator : RC/JU
 Sample : P4951-01RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-112124RE

Quant Time: Nov 26 16:00:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

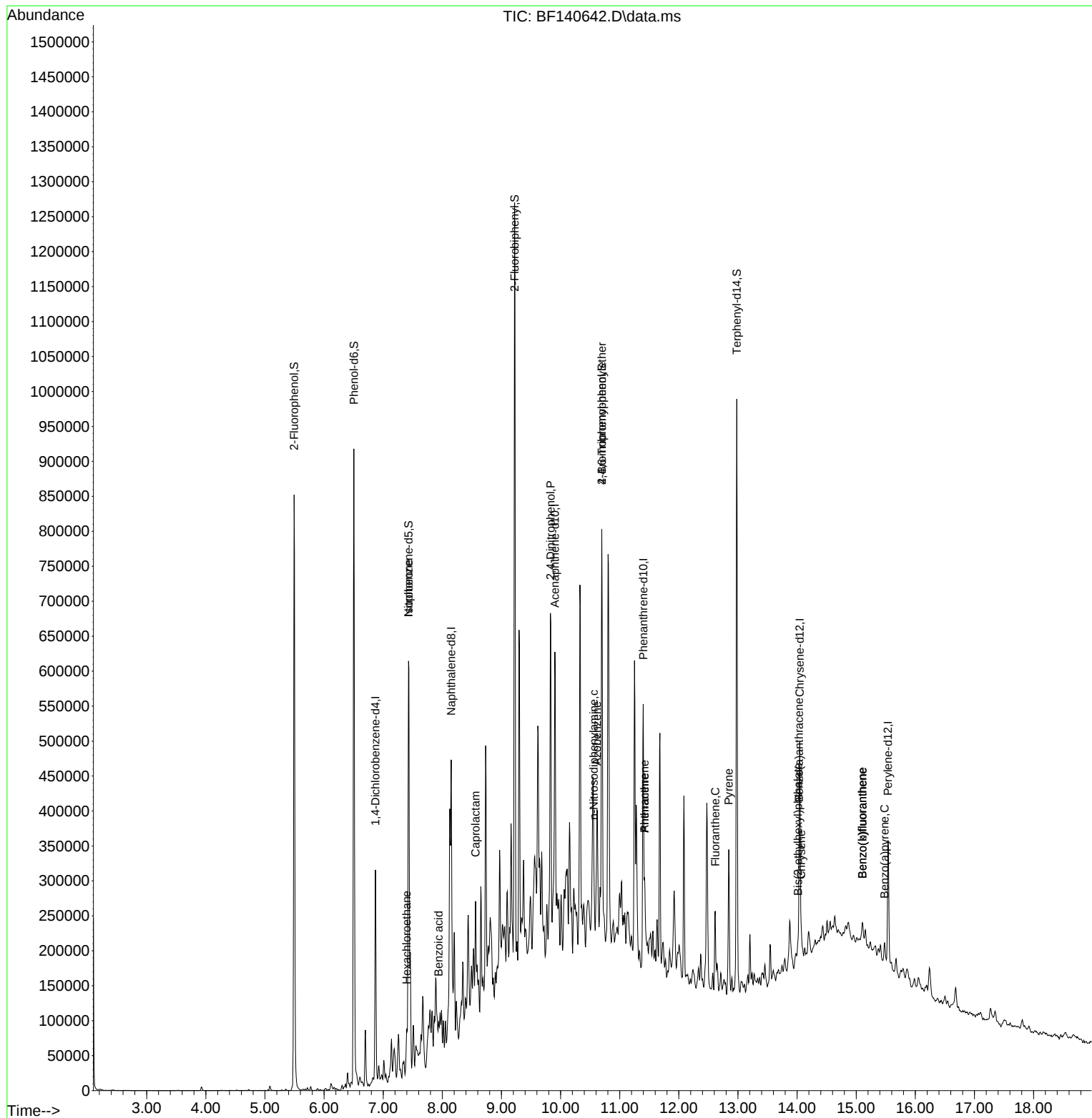
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	60748	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	219263	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	116655	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	188337	20.000	ng	0.00
76) Chrysene-d12	14.045	240	135305	20.000	ng	0.00
86) Perylene-d12	15.539	264	95803	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	327585	92.008	ng	0.00
7) Phenol-d6	6.504	99	422773	89.819	ng	-0.01
23) Nitrobenzene-d5	7.428	82	268788	62.704	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	102929	82.499	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	480309	61.346	ng	-0.01
79) Terphenyl-d14	12.980	244	403590	46.446	ng	-0.01
Target Compounds						
						Qvalue
18) Hexachloroethane	7.398	117	3715	2.282	ng	# 1
25) Isophorone	7.428	82	261355	36.554	ng	# 66
32) Benzoic acid	7.939	122	375	7.348	ng	# 32
35) Caprolactam	8.563	113	4738	4.919	ng	# 1
54) 2,4-Dinitrophenol	9.833	184	58	7.881	ng	# 1
63) Azobenzene	10.616	77	46601	6.304	ng	# 1
66) n-Nitrosodiphenylamine	10.563	169	16244	2.917	ng	# 53
67) 4-Bromophenyl-phenylether	10.698	248	6798	3.505	ng	# 1
71) Phenanthrene	11.422	178	48232	5.328	ng	98
72) Anthracene	11.422	178	48232	5.446	ng	97
75) Fluoranthene	12.616	202	54795	5.575	ng	98
78) Pyrene	12.845	202	50481	4.035	ng	96
81) Benzo(a)anthracene	14.033	228	25567	2.855	ng	# 88
83) Chrysene	14.068	228	25102	3.065	ng	# 90
84) Bis(2-ethylhexyl)phtha...	14.015	149	11472	2.016	ng	# 97
88) Benzo(b)fluoranthene	15.104	252	22815	3.791	ng	# 73
89) Benzo(k)fluoranthene	15.104	252	22815	4.333	ng	# 74
90) Benzo(a)pyrene	15.480	252	11153	2.280	ng	# 69

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

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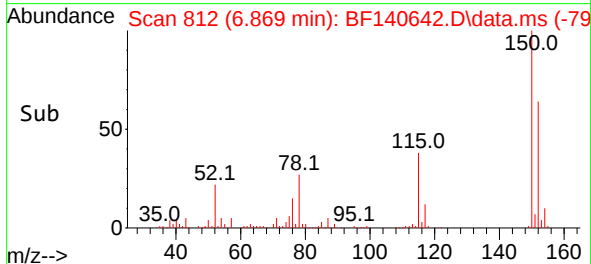
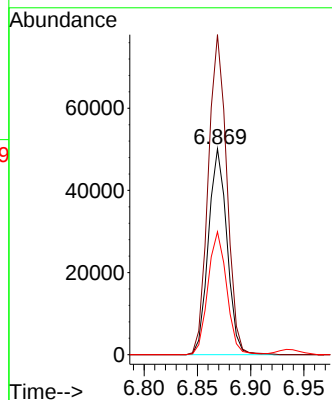
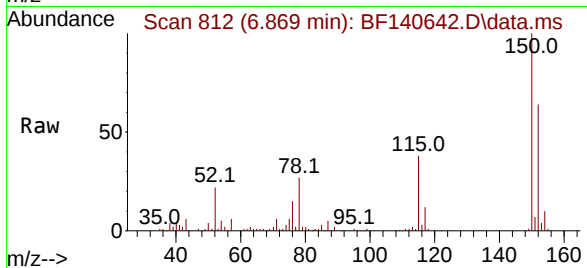




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

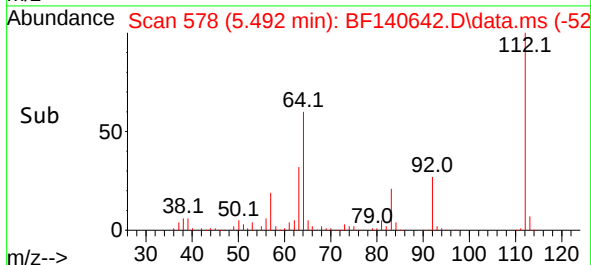
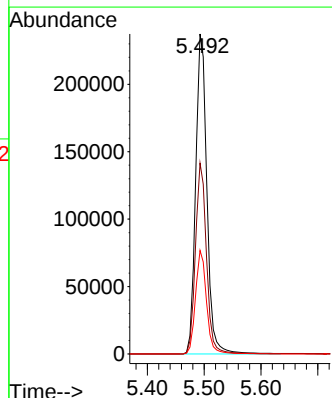
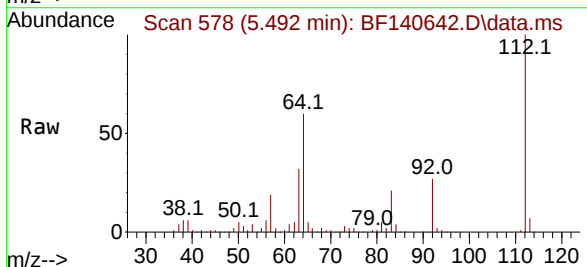
Instrument :
BNA_F
ClientSampleId :
AU-05-112124RE

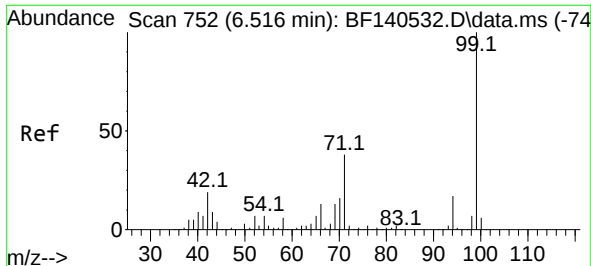
Tgt Ion:152 Resp: 60748
Ion Ratio Lower Upper
152 100
150 155.4 128.5 192.7
115 59.7 50.2 75.4



#5
2-Fluorophenol
Concen: 92.008 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

Tgt Ion:112 Resp: 327585
Ion Ratio Lower Upper
112 100
64 59.6 49.2 73.8
63 32.3 27.0 40.4

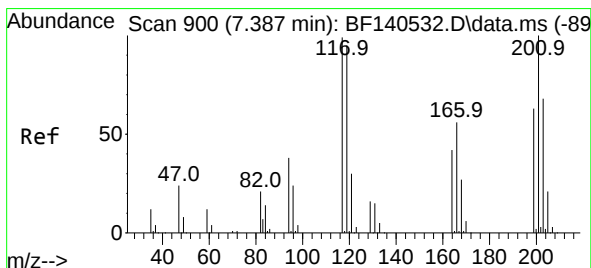
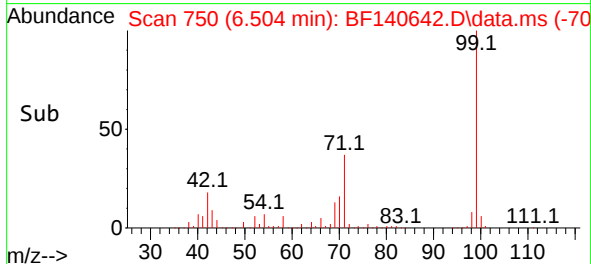
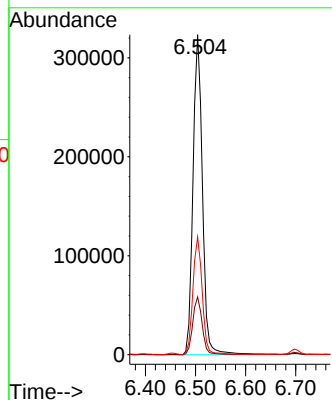
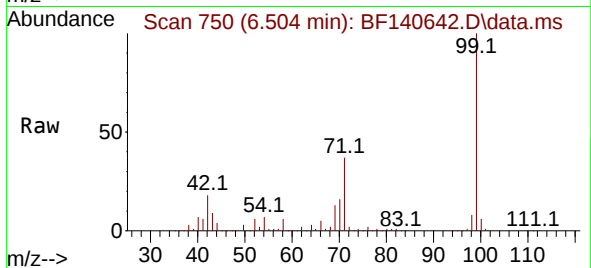




#7
Phenol-d6
Concen: 89.819 ng
RT: 6.504 min Scan# 711
Delta R.T. -0.012 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

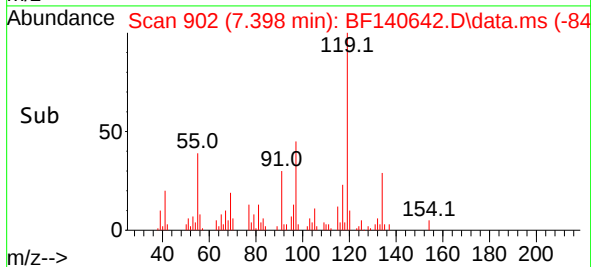
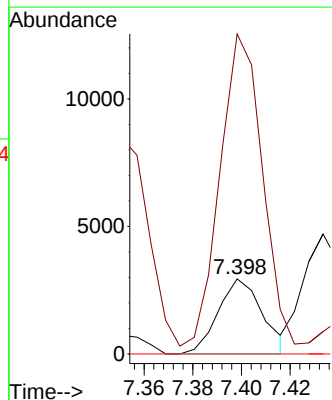
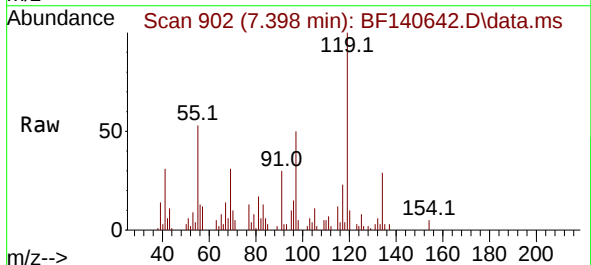
Instrument :
BNA_F
ClientSampleId :
AU-05-112124RE

Tgt Ion: 99 Resp: 422773
Ion Ratio Lower Upper
99 100
42 18.1 15.4 23.0
71 36.8 30.6 46.0



#18
Hexachloroethane
Concen: 2.282 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.012 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

Tgt Ion: 117 Resp: 3715
Ion Ratio Lower Upper
117 100
119 426.8 77.1 115.7#
201 0.0 81.1 121.7#

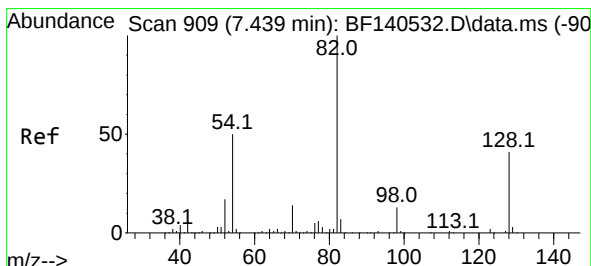
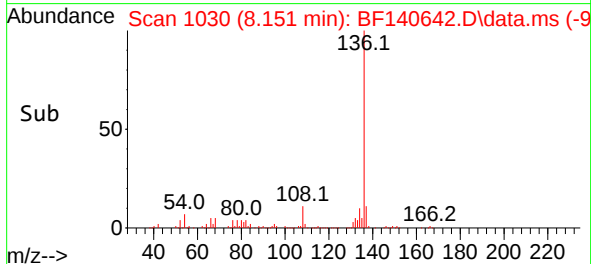
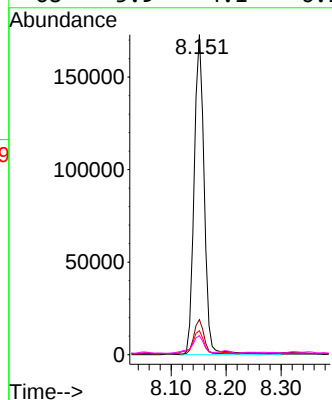
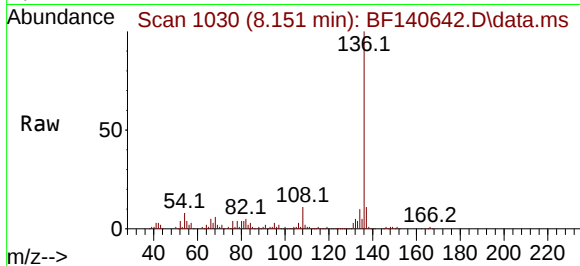




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

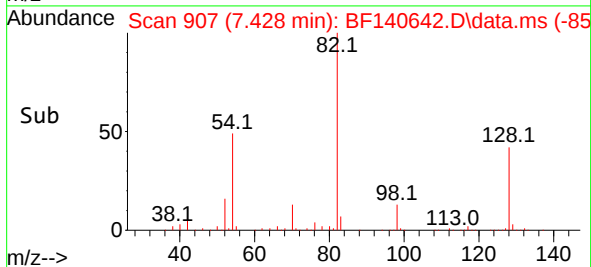
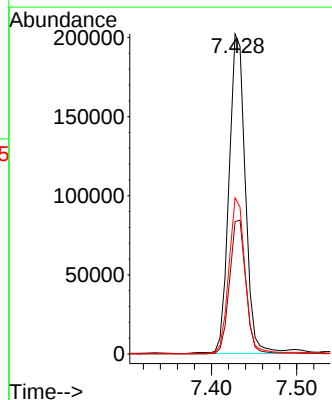
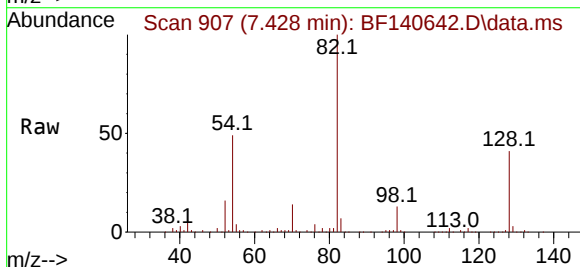
Instrument :
BNA_F
ClientSampleId :
AU-05-112124RE

Tgt Ion:	136	Resp:	219263
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	7.5	5.8	8.8
68	5.9	4.1	6.1



#23
Nitrobenzene-d5
Concen: 62.704 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

Tgt Ion:	82	Resp:	268788
Ion Ratio	Lower	Upper	
82	100		
128	41.4	33.0	49.4
54	48.8	39.5	59.3

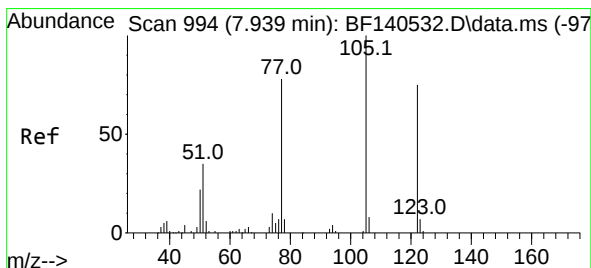
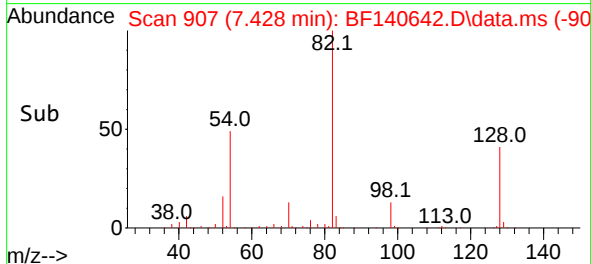
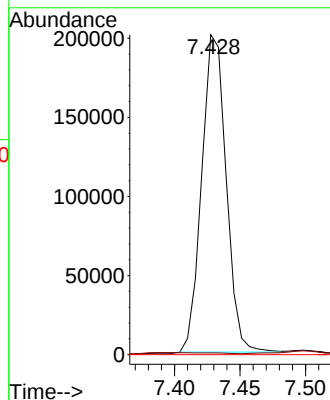
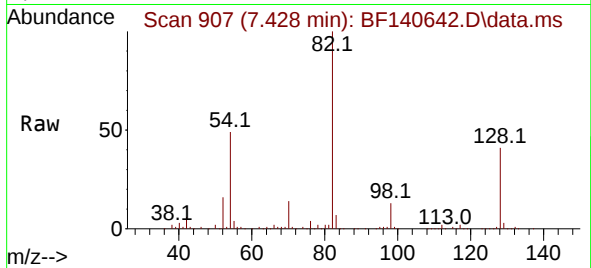




#25
Isophorone
Concen: 36.554 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

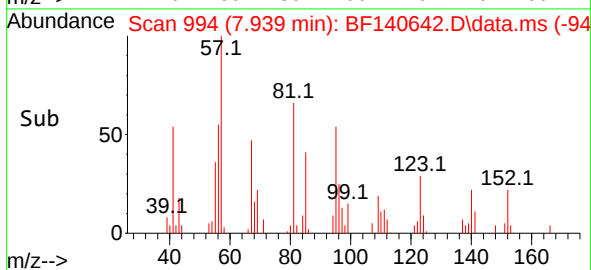
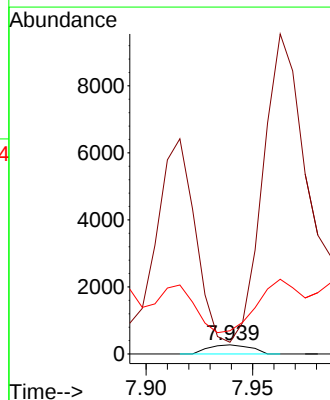
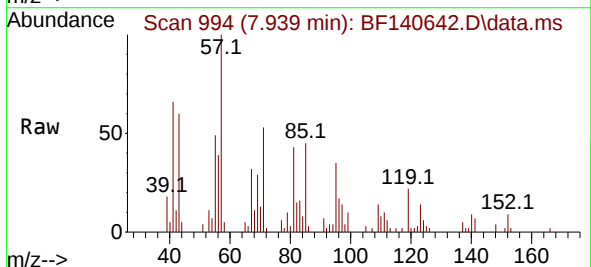
Instrument :
BNA_F
ClientSampleId :
AU-05-112124RE

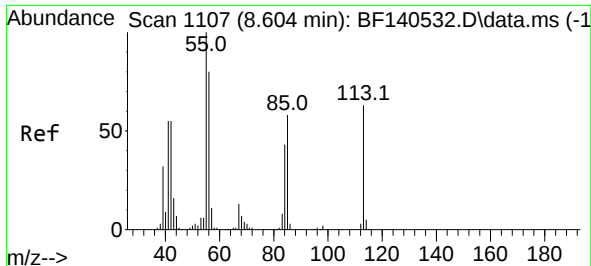
Tgt Ion: 82 Resp: 261355
Ion Ratio Lower Upper
82 100
95 0.6 6.4 9.6#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.348 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

Tgt Ion:122 Resp: 375
Ion Ratio Lower Upper
122 100
105 128.0 109.3 149.3
77 256.1 82.3 122.3#

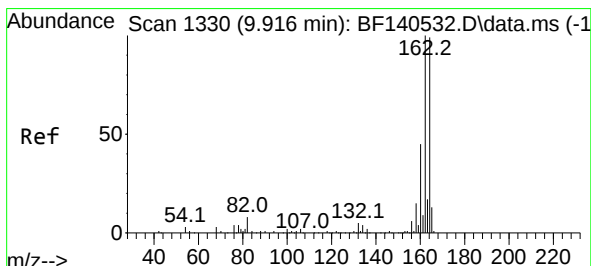
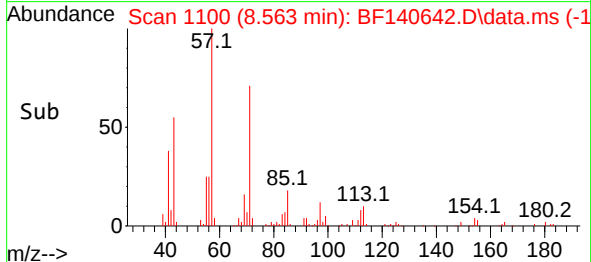
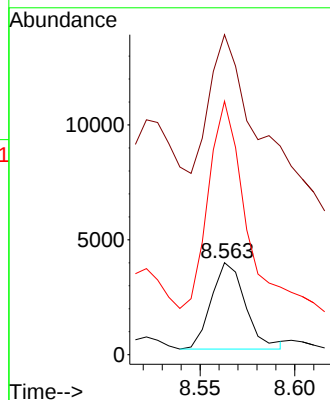
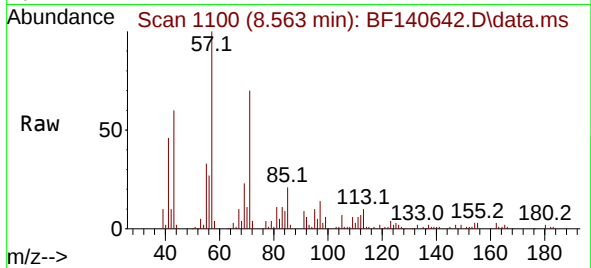




#35
Caprolactam
Concen: 4.919 ng
RT: 8.563 min Scan# 1107
Delta R.T. -0.041 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

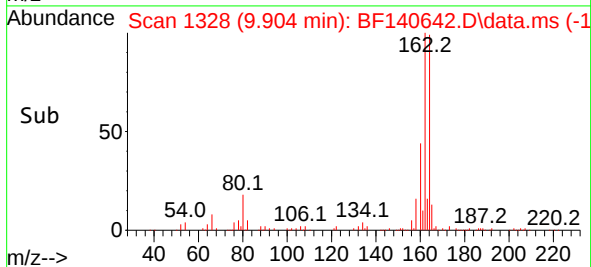
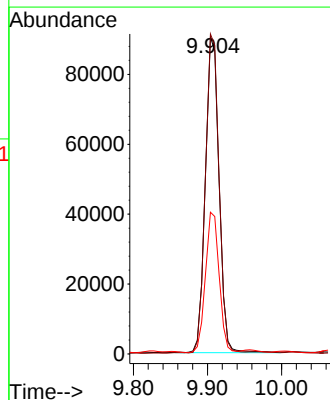
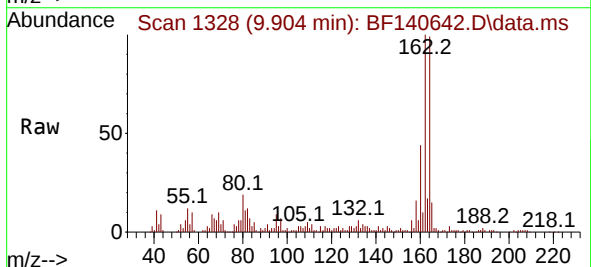
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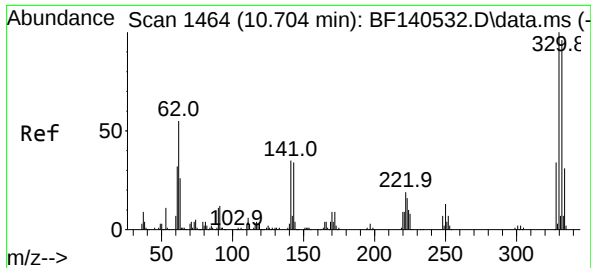
Tgt Ion:113 Resp: 4738
Ion Ratio Lower Upper
113 100
55 347.9 137.7 177.7#
56 275.6 106.4 146.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

Tgt Ion:164 Resp: 116655
Ion Ratio Lower Upper
164 100
162 101.0 80.6 120.8
160 44.7 36.2 54.4

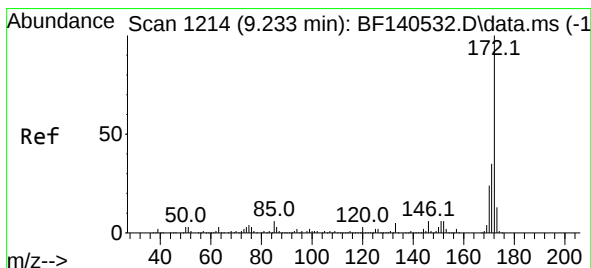
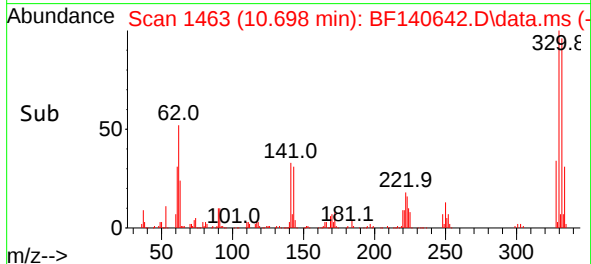
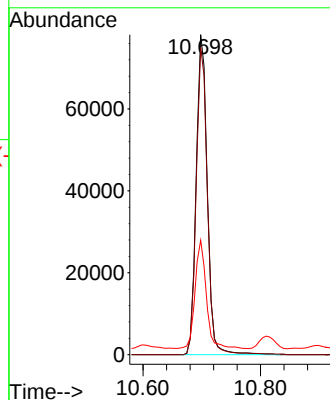
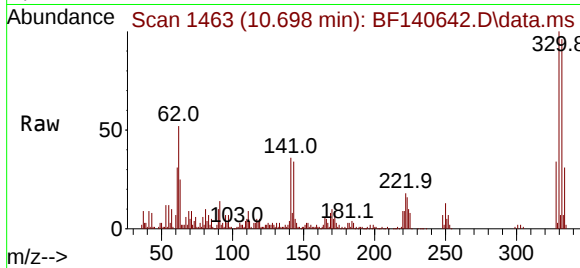




#42
2,4,6-Tribromophenol
Concen: 82.499 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

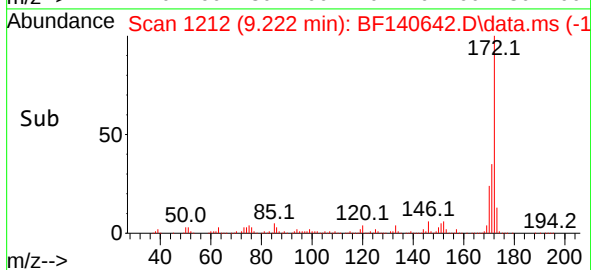
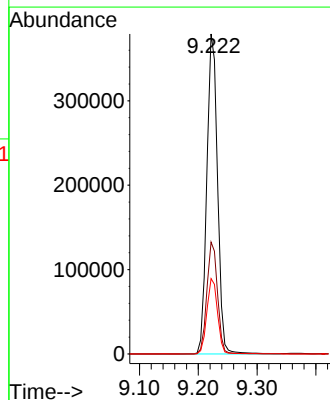
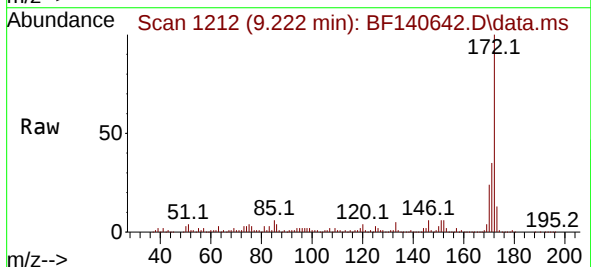
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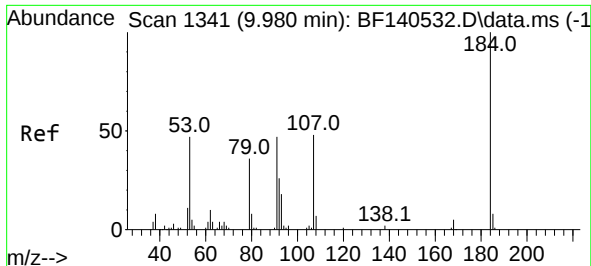
Tgt Ion:330 Resp: 102929
Ion Ratio Lower Upper
330 100
332 96.0 76.9 115.3
141 34.2 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 61.346 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

Tgt Ion:172 Resp: 480309
Ion Ratio Lower Upper
172 100
171 34.9 28.4 42.6
170 23.6 19.0 28.6

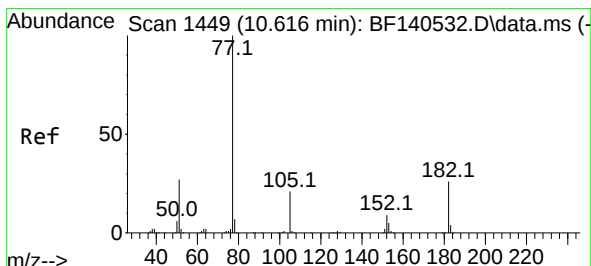
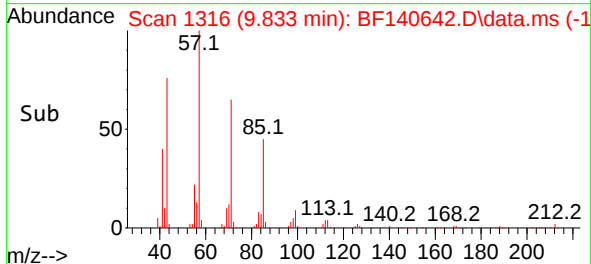
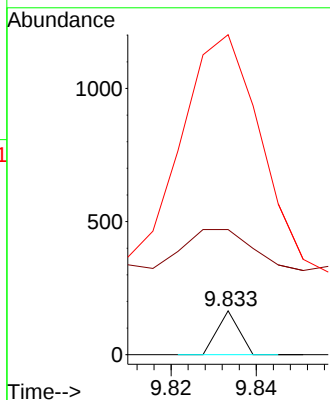
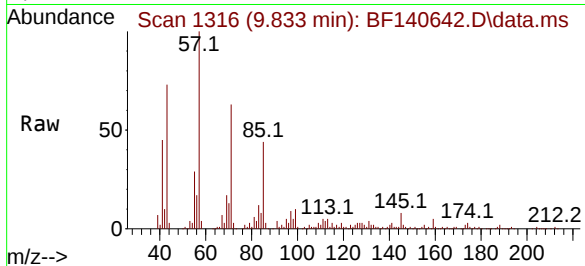




#54
2,4-Dinitrophenol
Concen: 7.881 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.147 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

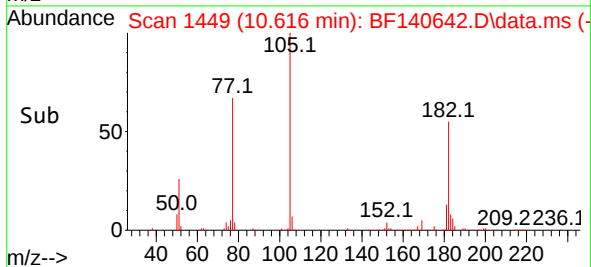
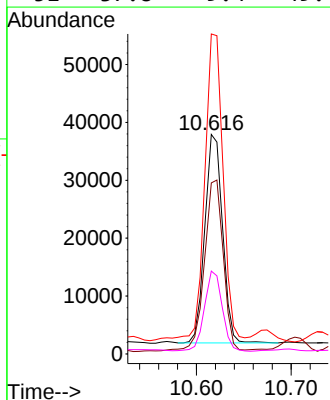
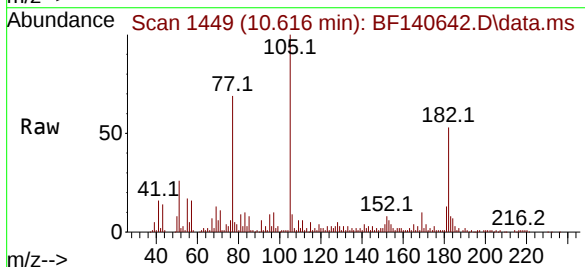
Instrument :
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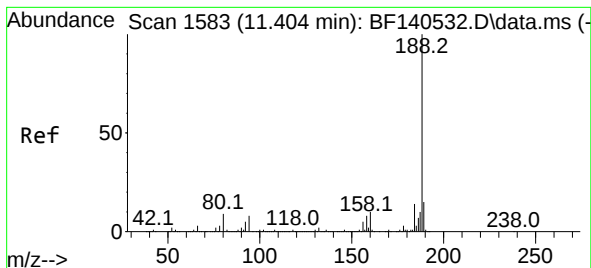
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 284.8 54.1 81.1#
154 728.5 57.4 86.0#



#63
Azobenzene
Concen: 6.304 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

Tgt Ion: 77 Resp: 46601
Ion Ratio Lower Upper
77 100
182 77.9 5.3 45.3#
105 145.8 0.3 40.3#
51 37.8 9.4 49.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140642.D

Acq: 26 Nov 2024 15:22

Instrument :

BNA_F

ClientSampleId :

AU-05-112124RE

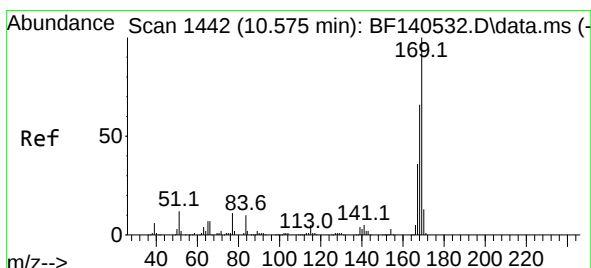
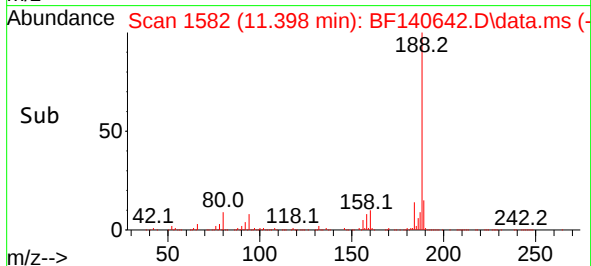
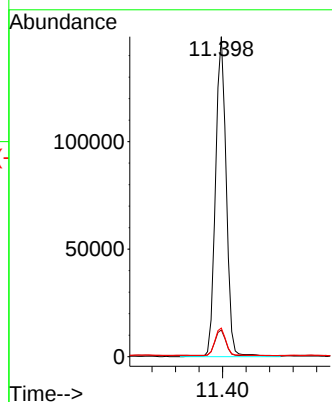
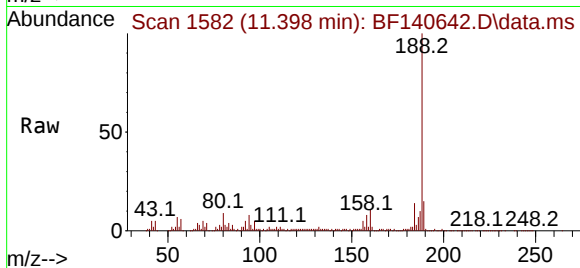
Tgt Ion:188 Resp: 188337

Ion Ratio Lower Upper

188 100

94 8.3 6.4 9.6

80 8.9 6.9 10.3



#66

n-Nitrosodiphenylamine

Concen: 2.917 ng

RT: 10.563 min Scan# 1440

Delta R.T. -0.012 min

Lab File: BF140642.D

Acq: 26 Nov 2024 15:22

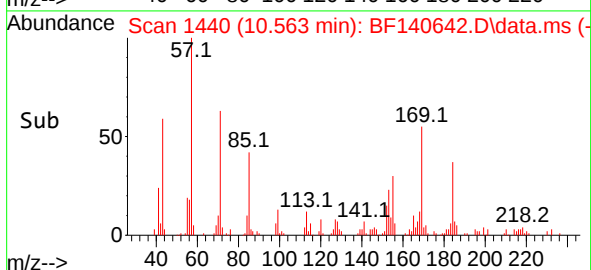
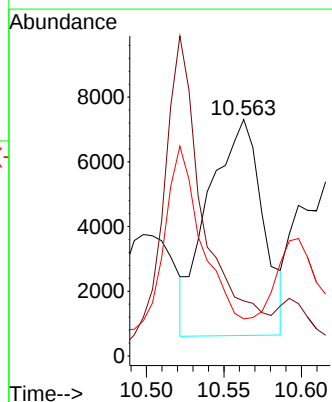
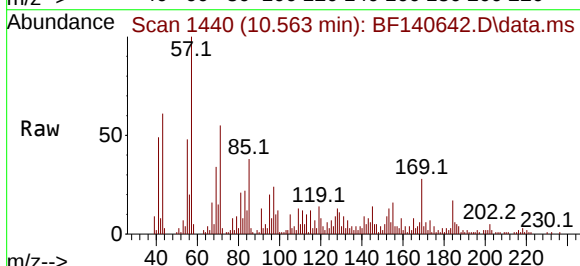
Tgt Ion:169 Resp: 16244

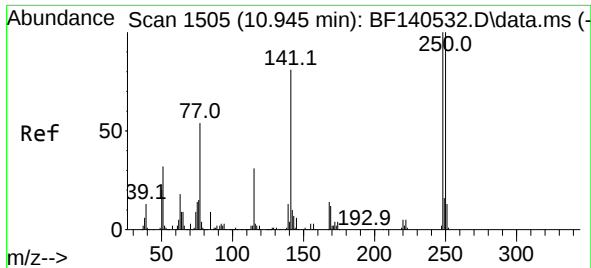
Ion Ratio Lower Upper

169 100

168 23.2 53.2 79.8#

167 15.7 29.0 43.6#

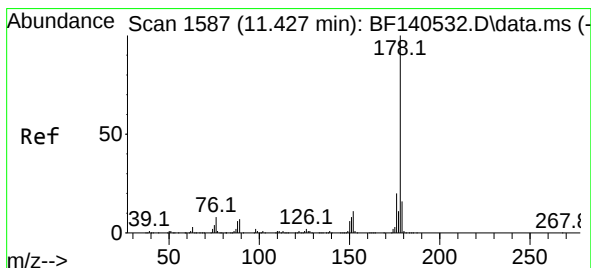
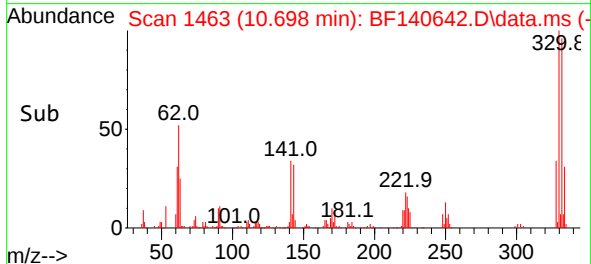
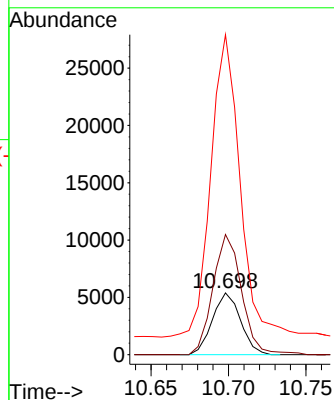
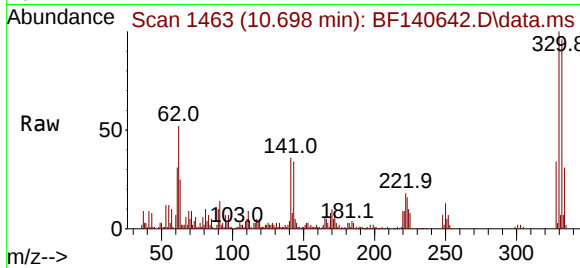




#67
4-Bromophenyl-phenylether
Concen: 3.505 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

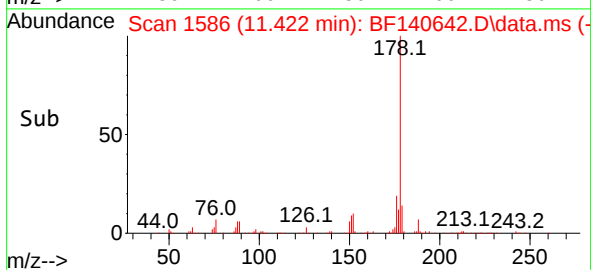
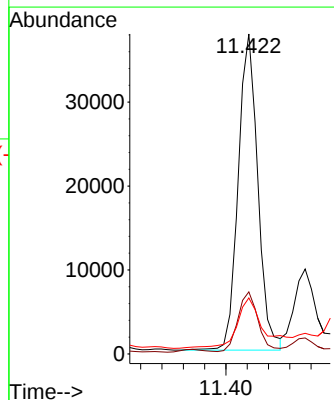
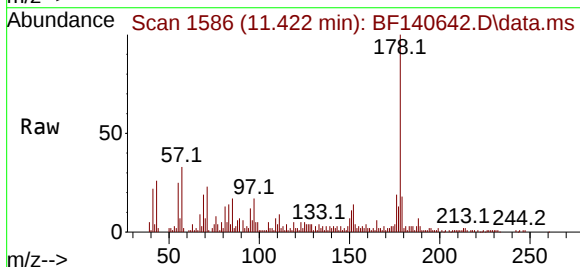
Instrument :
BNA_F
ClientSampleId :
AU-05-112124RE

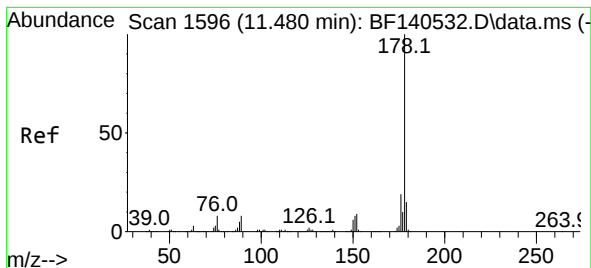
Tgt Ion:248 Resp: 6798
Ion Ratio Lower Upper
248 100
250 194.7 79.8 119.8#
141 518.4 64.7 97.1#



#71
Phenanthrene
Concen: 5.328 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

Tgt Ion:178 Resp: 48232
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.6
179 17.5 12.4 18.6





#72

Anthracene

Concen: 5.446 ng

RT: 11.422 min Scan# 11

Delta R.T. -0.059 min

Lab File: BF140642.D

Acq: 26 Nov 2024 15:22

Instrument :

BNA_F

ClientSampleId :

AU-05-112124RE

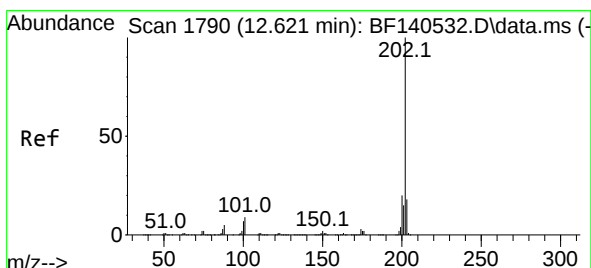
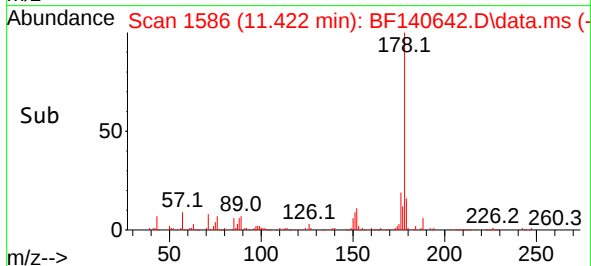
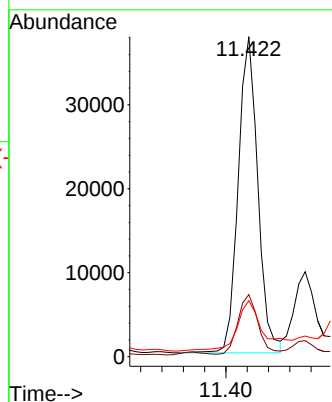
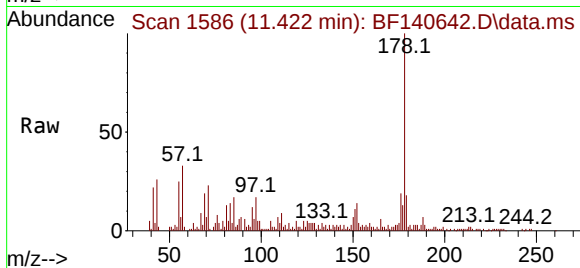
Tgt Ion:178 Resp: 48232

Ion Ratio Lower Upper

178 100

176 19.4 15.0 22.4

179 17.5 12.2 18.4



#75

Fluoranthene

Concen: 5.575 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF140642.D

Acq: 26 Nov 2024 15:22

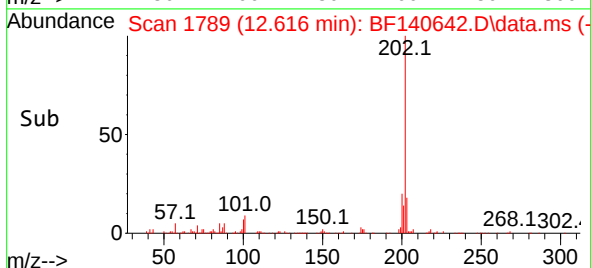
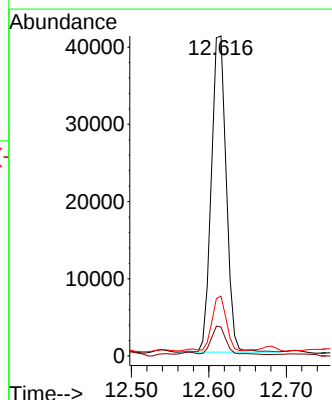
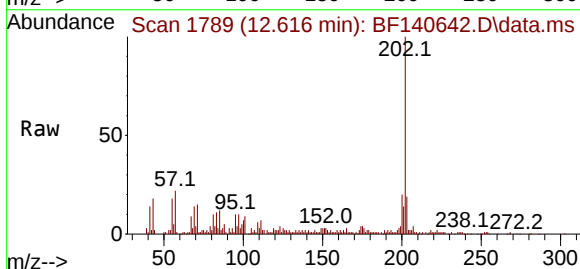
Tgt Ion:202 Resp: 54795

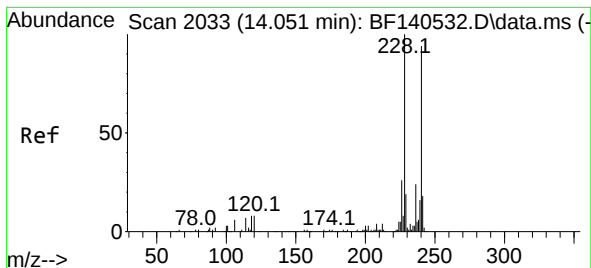
Ion Ratio Lower Upper

202 100

101 9.0 0.0 28.9

203 18.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF140642.D

Acq: 26 Nov 2024 15:22

Instrument :

BNA_F

ClientSampleId :

AU-05-112124RE

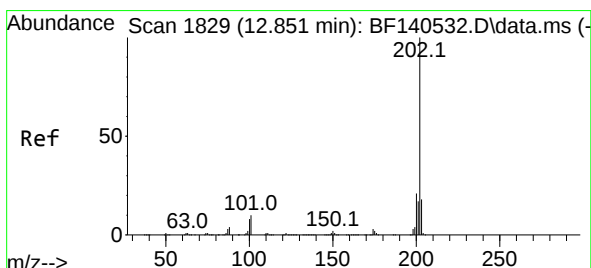
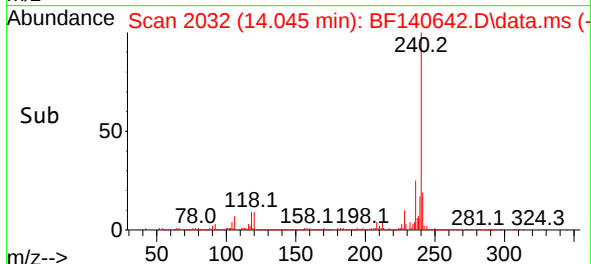
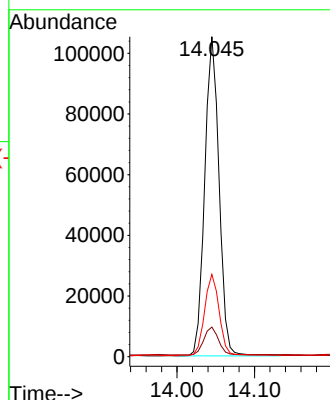
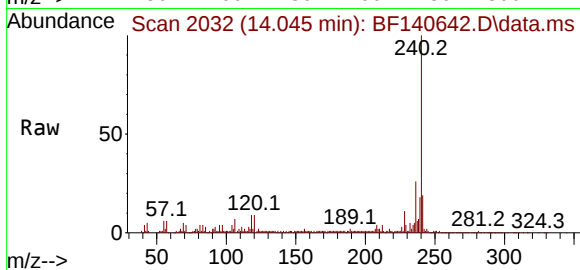
Tgt Ion:240 Resp: 135305

Ion Ratio Lower Upper

240 100

120 9.3 7.3 10.9

236 25.7 20.6 31.0



#78

Pyrene

Concen: 4.035 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140642.D

Acq: 26 Nov 2024 15:22

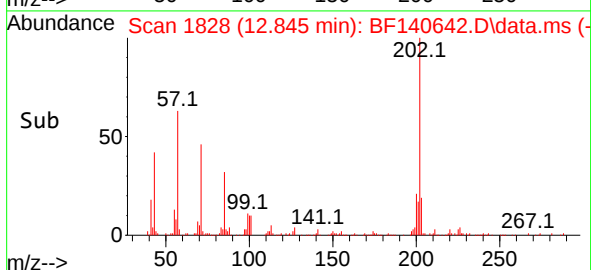
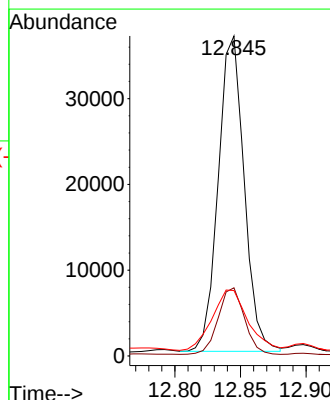
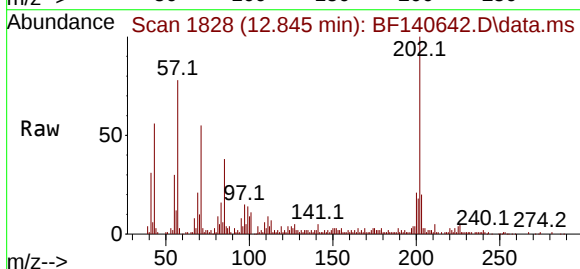
Tgt Ion:202 Resp: 50481

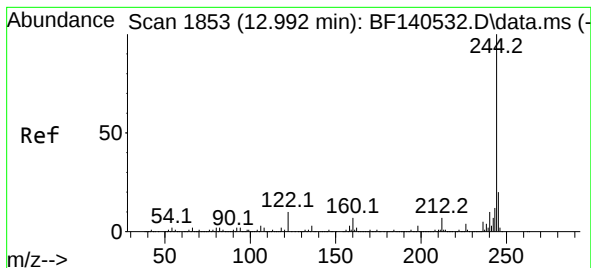
Ion Ratio Lower Upper

202 100

200 21.3 16.5 24.7

203 20.5 14.2 21.4





#79

Terphenyl-d14

Concen: 46.446 ng

RT: 12.980 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140642.D

Acq: 26 Nov 2024 15:22

Instrument :

BNA_F

ClientSampleId :

AU-05-112124RE

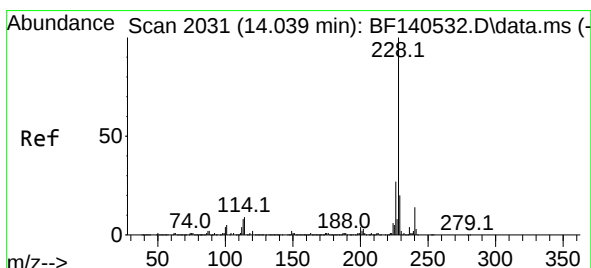
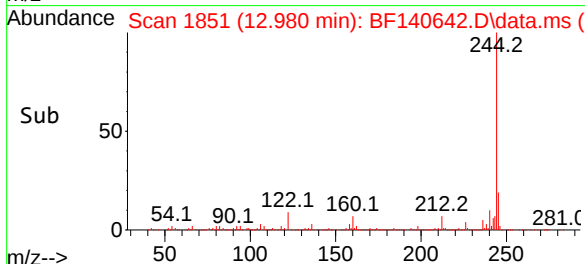
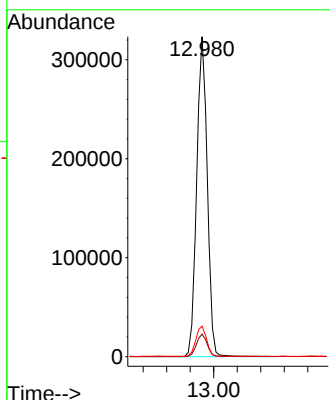
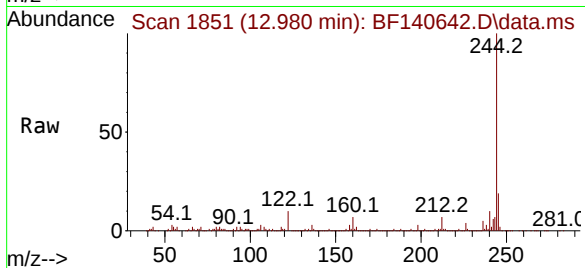
Tgt Ion:244 Resp: 403590

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 9.6 8.0 12.0



#81

Benzo(a)anthracene

Concen: 2.855 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF140642.D

Acq: 26 Nov 2024 15:22

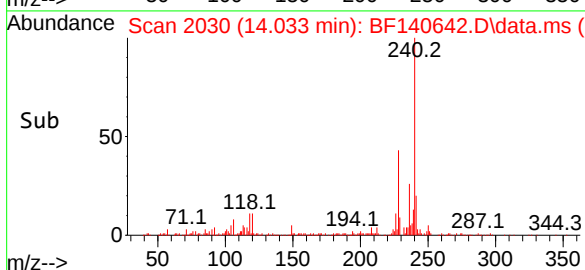
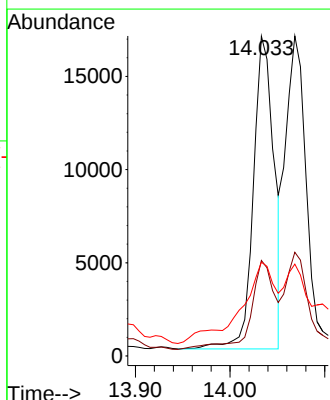
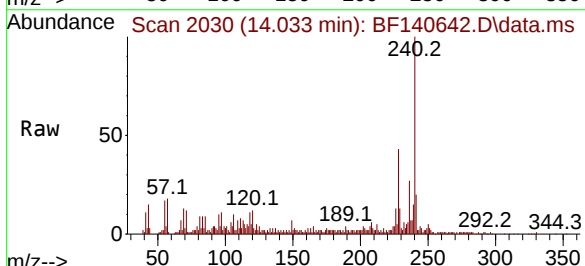
Tgt Ion:228 Resp: 25567

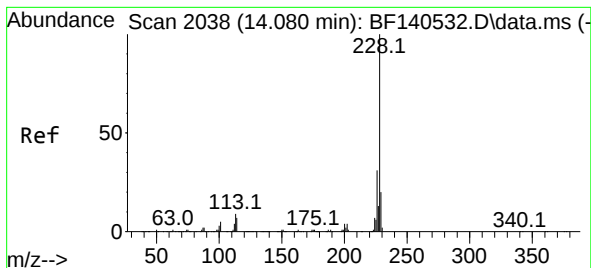
Ion Ratio Lower Upper

228 100

226 29.9 21.8 32.8

229 29.3 15.8 23.6#





#83

Chrysene

Concen: 3.065 ng

RT: 14.068 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF140642.D

Acq: 26 Nov 2024 15:22

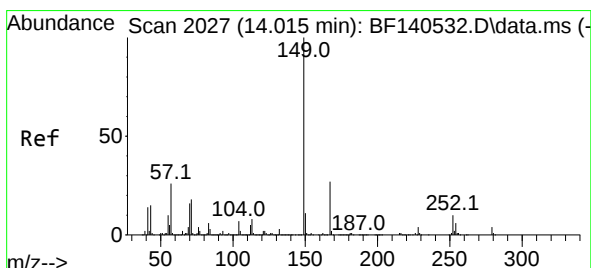
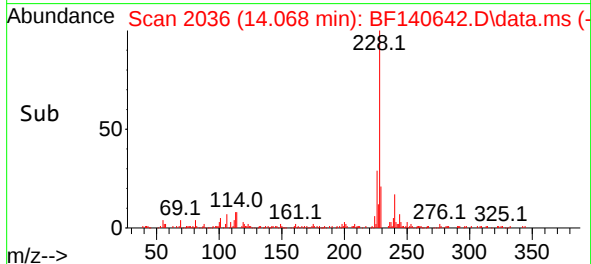
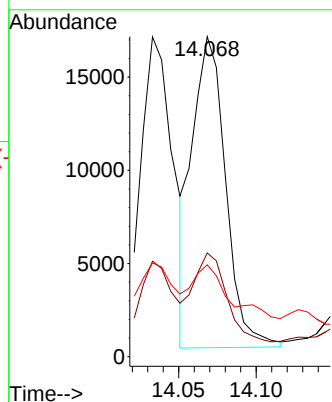
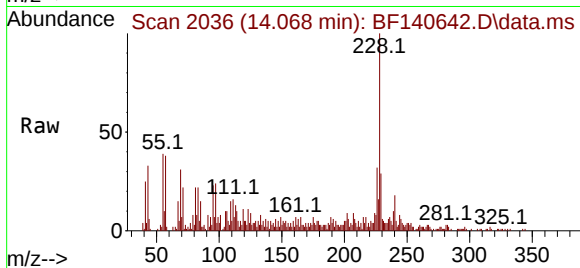
Instrument :

BNA_F

ClientSampleId :

AU-05-112124RE

Tgt Ion:228	Resp:	25102
Ion Ratio	Lower	Upper
228	100	
226	32.4	24.4 36.6
229	28.7	15.8 23.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.016 ng

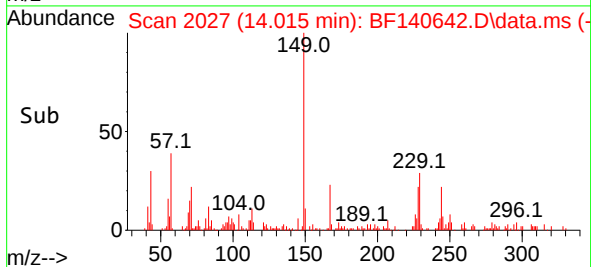
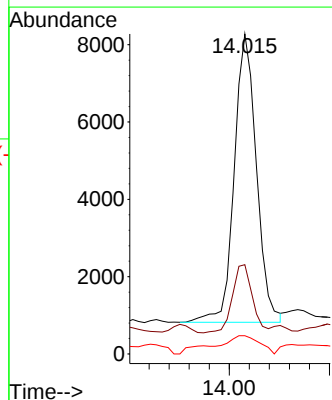
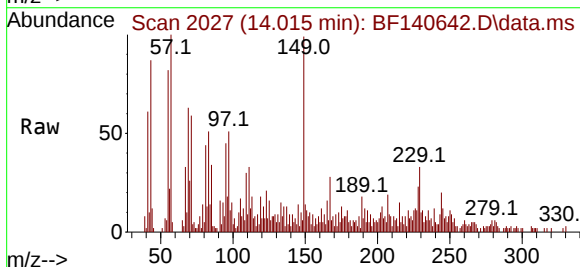
RT: 14.015 min Scan# 2027

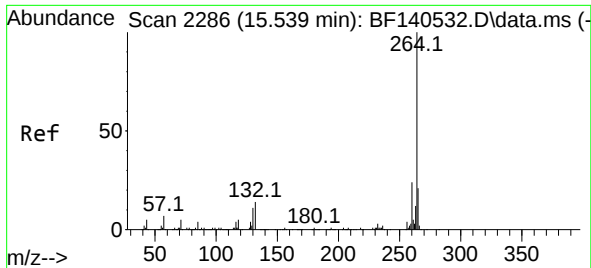
Delta R.T. -0.000 min

Lab File: BF140642.D

Acq: 26 Nov 2024 15:22

Tgt Ion:149	Resp:	11472
Ion Ratio	Lower	Upper
149	100	
167	27.9	21.2 31.8
279	5.7	3.2 4.8#



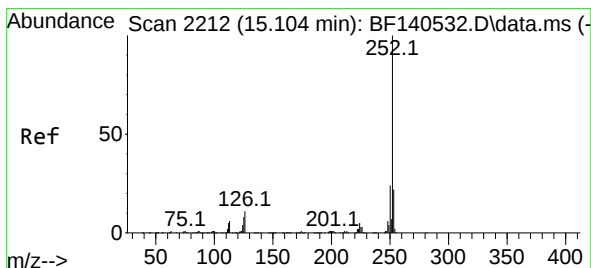
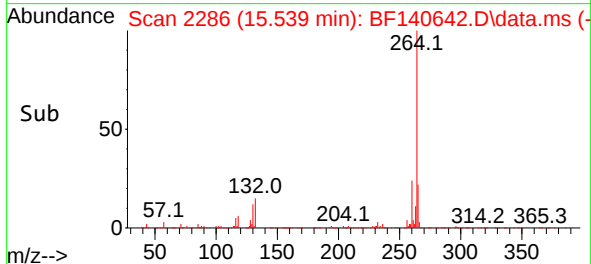
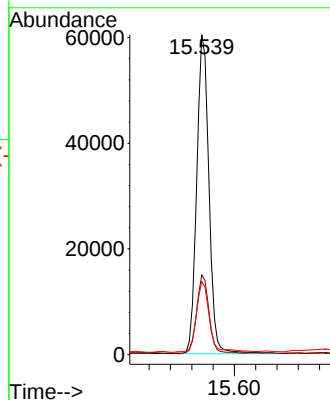
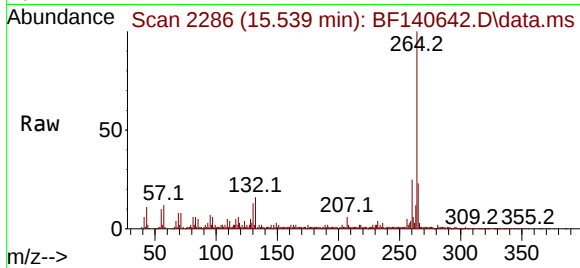


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

Instrument :
BNA_F
ClientSampleId :
AU-05-112124RE

Tgt Ion:264 Resp: 95803

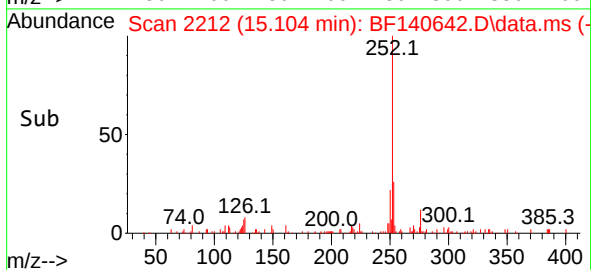
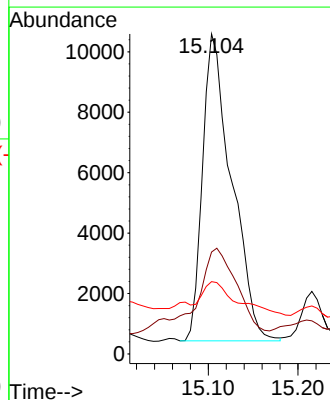
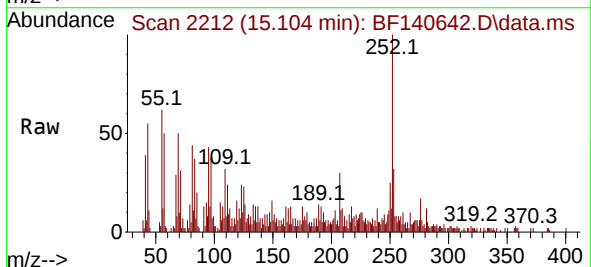
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.0	28.6
265	22.8	16.6	25.0

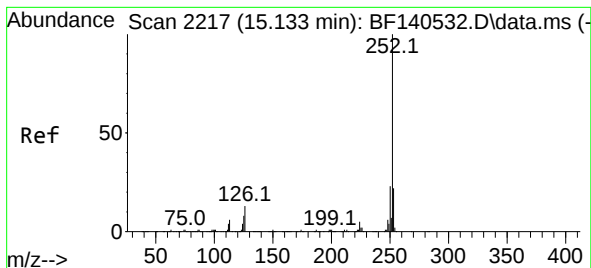


#88
Benzo(b)fluoranthene
Concen: 3.791 ng
RT: 15.104 min Scan# 2212
Delta R.T. -0.000 min
Lab File: BF140642.D
Acq: 26 Nov 2024 15:22

Tgt Ion:252 Resp: 22815

Ion	Ratio	Lower	Upper
252	100		
253	31.9	17.2	25.8#
125	22.6	6.7	10.1#





#89

Benzo(k)fluoranthene

Concen: 4.333 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140642.D

Acq: 26 Nov 2024 15:22

Instrument :

BNA_F

ClientSampleId :

AU-05-112124RE

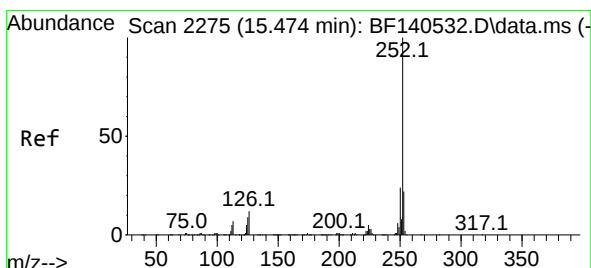
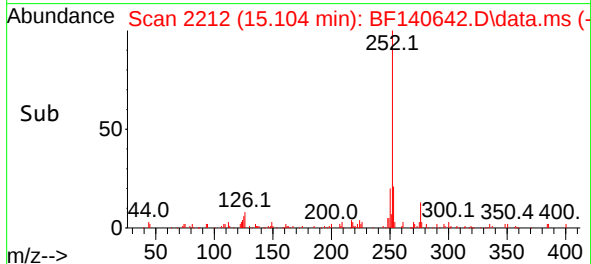
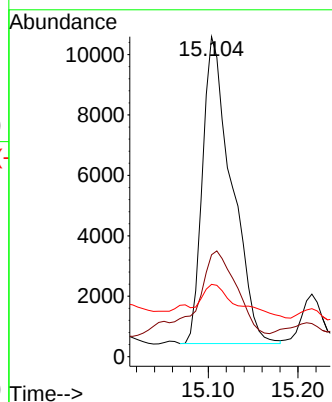
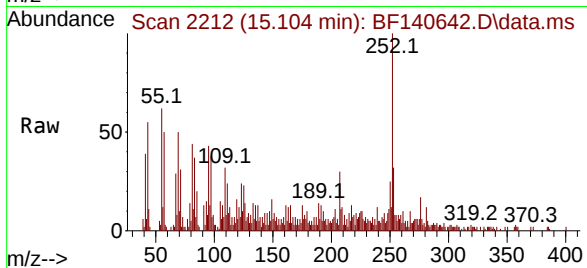
Tgt Ion:252 Resp: 22815

Ion Ratio Lower Upper

252 100

253 31.9 17.5 26.3#

125 22.6 6.5 9.7#



#90

Benzo(a)pyrene

Concen: 2.280 ng

RT: 15.480 min Scan# 2276

Delta R.T. 0.006 min

Lab File: BF140642.D

Acq: 26 Nov 2024 15:22

Tgt Ion:252 Resp: 11153

Ion Ratio Lower Upper

252 100

253 31.6 17.3 25.9#

125 28.2 7.0 10.6#

