

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
 Data File : BF140623.D
 Acq On : 26 Nov 2024 00:14
 Operator : RC/JU
 Sample : P4951-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-112124

Quant Time: Nov 26 02:01:22 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)

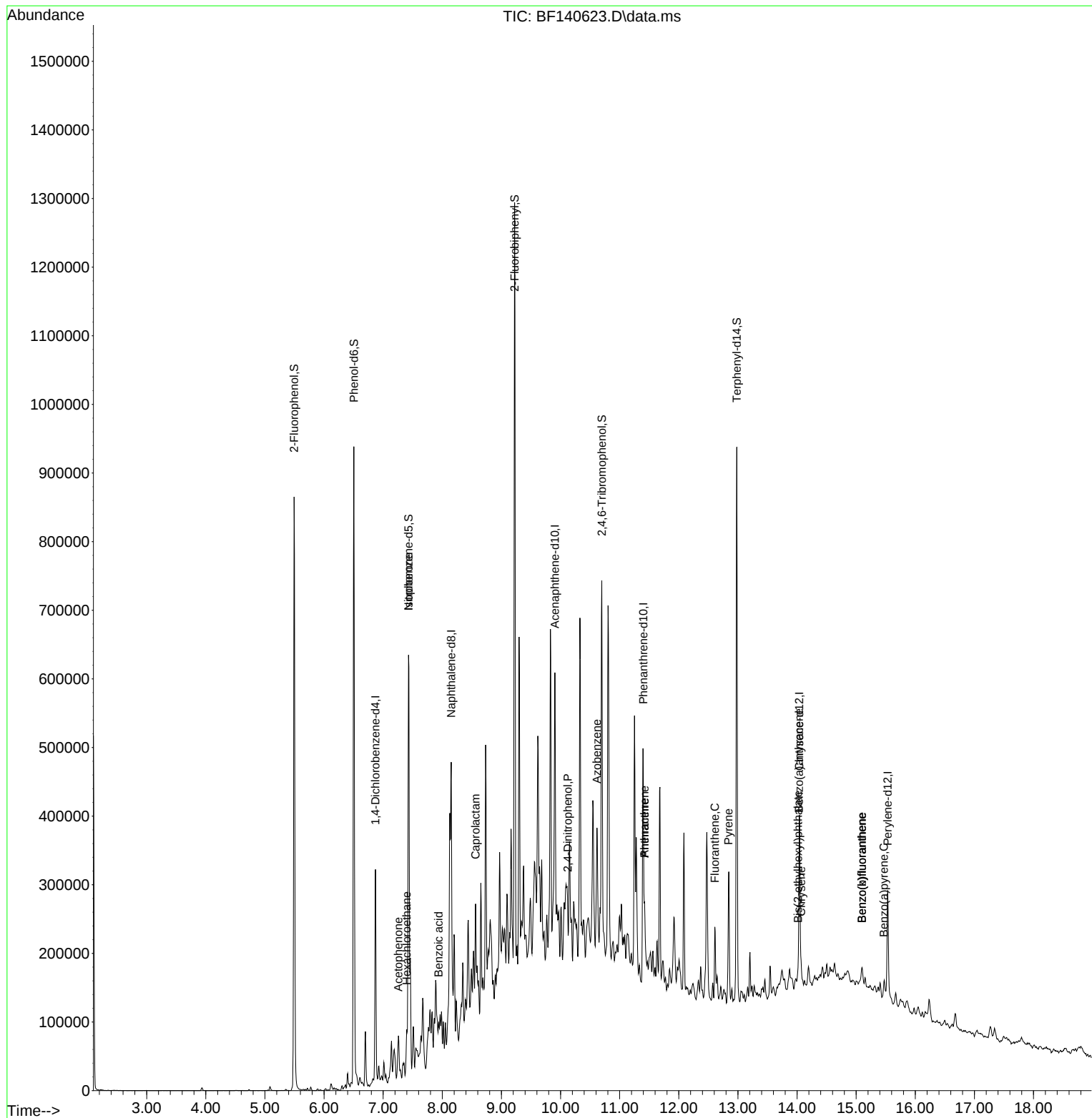
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	59779	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	217864	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	111229	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	181532	20.000	ng	0.00
76) Chrysene-d12	14.039	240	106827	20.000	ng	-0.01
86) Perylene-d12	15.533	264	86105	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	330869	94.436	ng	0.00
7) Phenol-d6	6.504	99	428644	92.543	ng	-0.01
23) Nitrobenzene-d5	7.428	82	275070	64.581	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	96279	80.934	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	484249	64.866	ng	-0.01
79) Terphenyl-d14	12.980	244	387585	56.495	ng	-0.01
Target Compounds						
						Qvalue
18) Hexachloroethane	7.398	117	3840	2.397	ng	# 1
22) Acetophenone	7.257	105	10876	2.048	ng	# 51
25) Isophorone	7.428	82	267880	37.707	ng	# 66
32) Benzoic acid	7.939	122	191	7.272	ng	# 1
35) Caprolactam	8.563	113	4668	4.877	ng	# 1
54) 2,4-Dinitrophenol	10.122	184	54	7.880	ng	# 1
63) Azobenzene	10.616	77	45087	6.397	ng	# 1
71) Phenanthrene	11.422	178	44229	5.069	ng	97
72) Anthracene	11.422	178	44229	5.182	ng	96
75) Fluoranthene	12.610	202	52962	5.590	ng	98
78) Pyrene	12.839	202	50127	5.075	ng	98
81) Benzo(a)anthracene	14.033	228	20915	2.958	ng	# 88
83) Chrysene	14.068	228	17503	2.707	ng	# 90
84) Bis(2-ethylhexyl)phtha...	14.016	149	9382	2.088	ng	# 93
88) Benzo(b)fluoranthene	15.098	252	20116	3.719	ng	# 76
89) Benzo(k)fluoranthene	15.098	252	20116	4.250	ng	# 77
90) Benzo(a)pyrene	15.468	252	10224	2.325	ng	# 77

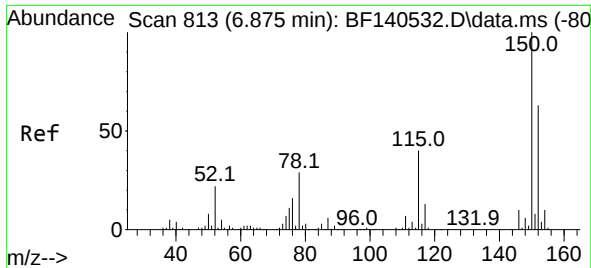
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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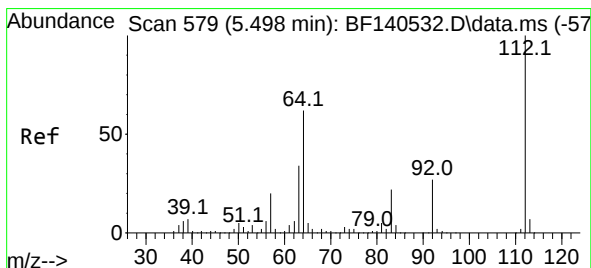
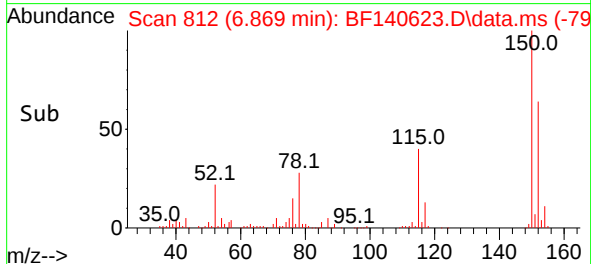
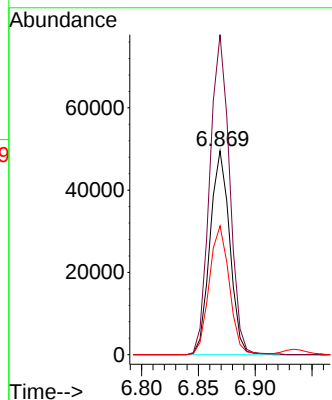
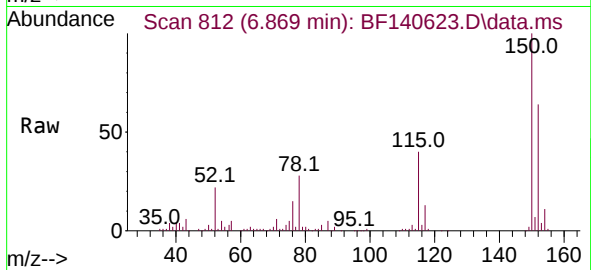




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

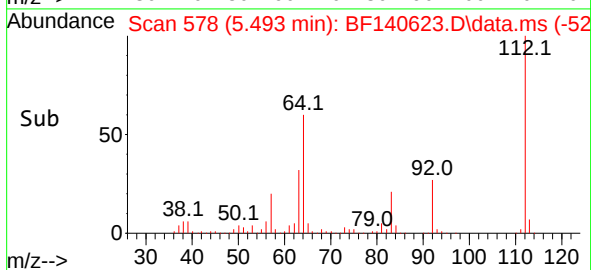
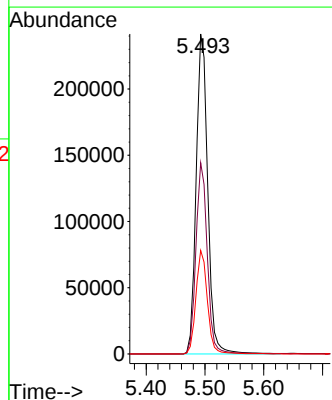
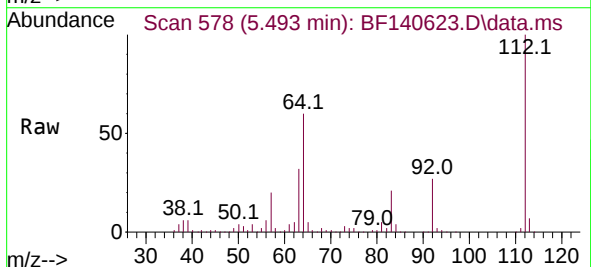
Instrument :
BNA_F
ClientSampleId :
AU-05-112124

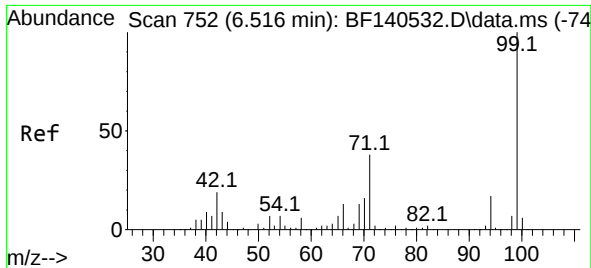
Tgt Ion:152 Resp: 59779
Ion Ratio Lower Upper
152 100
150 157.0 128.5 192.7
115 63.2 50.2 75.4



#5
2-Fluorophenol
Concen: 94.436 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

Tgt Ion:112 Resp: 330869
Ion Ratio Lower Upper
112 100
64 59.8 49.2 73.8
63 32.3 27.0 40.4





#7

Phenol-d6

Concen: 92.543 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF140623.D

Acq: 26 Nov 2024 00:14

Instrument :

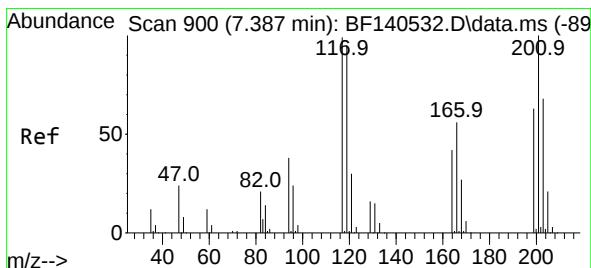
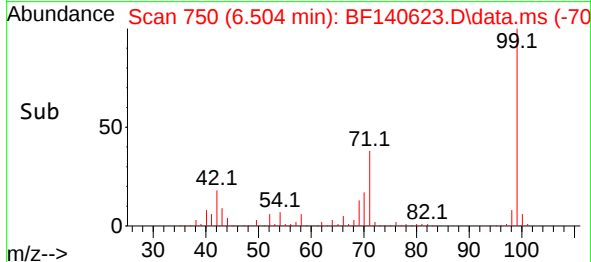
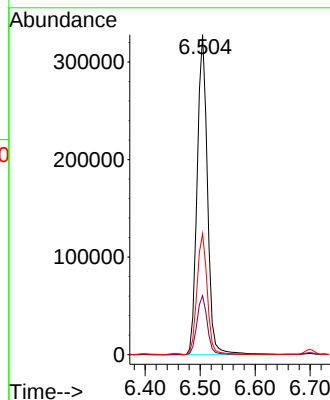
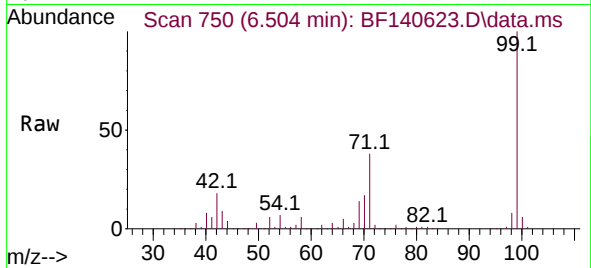
BNA_F

ClientSampleId :

AU-05-112124

Tgt Ion: 99 Resp: 428644

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.4	23.0
71	37.9	30.6	46.0



#18

Hexachloroethane

Concen: 2.397 ng

RT: 7.398 min Scan# 902

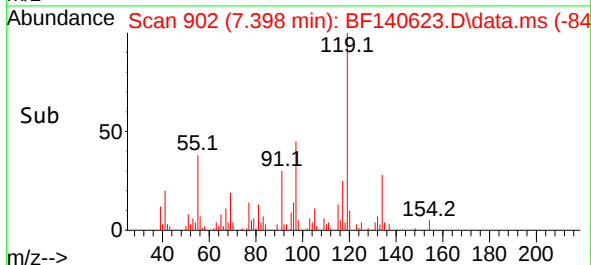
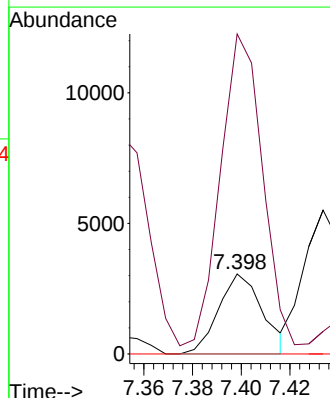
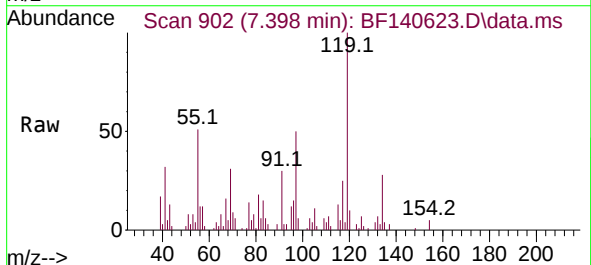
Delta R.T. 0.012 min

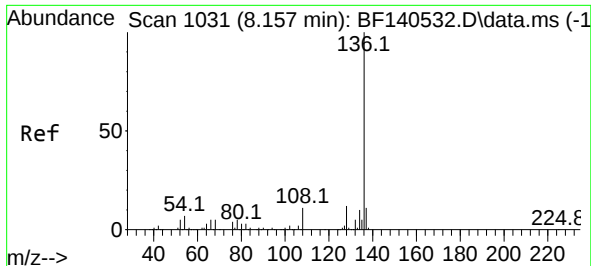
Lab File: BF140623.D

Acq: 26 Nov 2024 00:14

Tgt Ion: 117 Resp: 3840

Ion	Ratio	Lower	Upper
117	100		
119	400.0	77.1	115.7#
201	0.0	81.1	121.7#

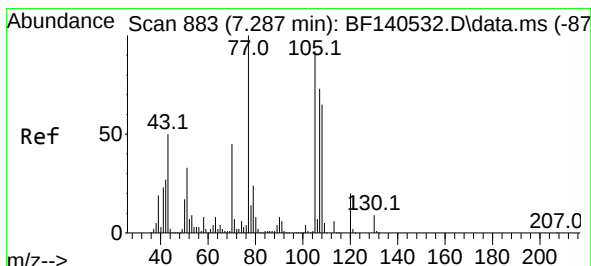
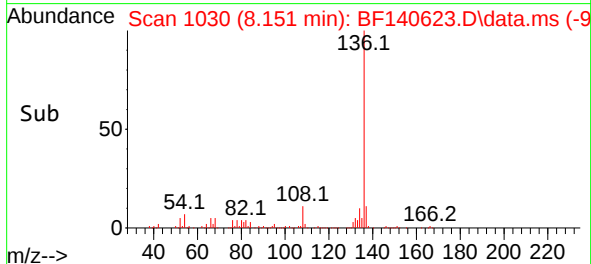
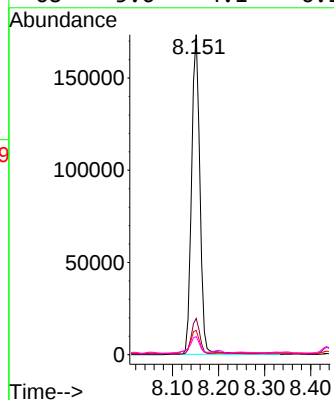
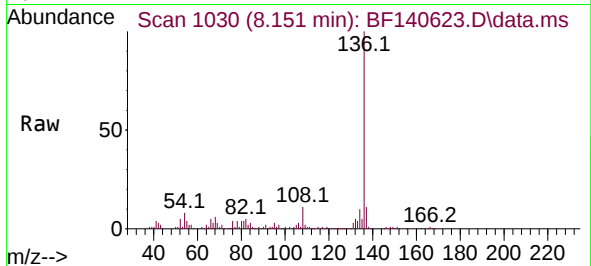




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

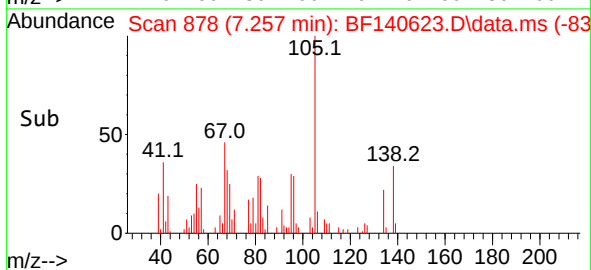
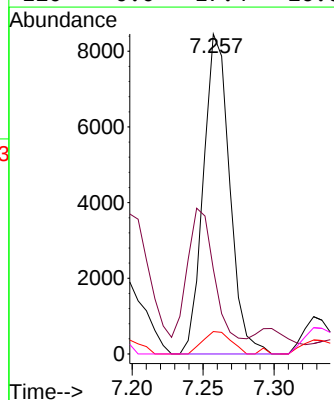
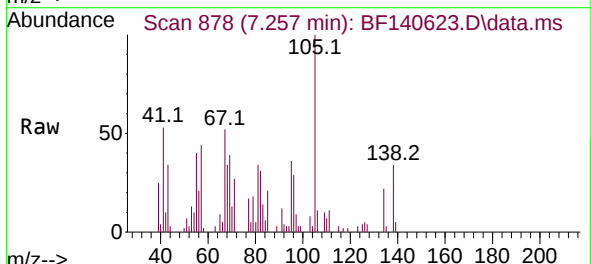
Instrument :
BNA_F
ClientSampleId :
AU-05-112124

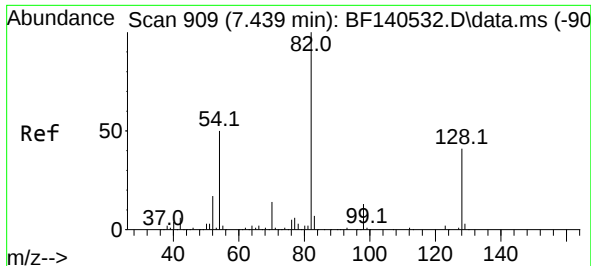
Tgt	Ion:136	Resp:	217864
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	7.6	5.8	8.8
68	5.6	4.1	6.1



#22
Acetophenone
Concen: 2.048 ng
RT: 7.257 min Scan# 878
Delta R.T. -0.029 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

Tgt	Ion:105	Resp:	10876
Ion	Ratio	Lower	Upper
105	100		
71	26.5	6.2	9.2#
51	7.0	29.0	43.6#
120	0.0	17.4	26.0#

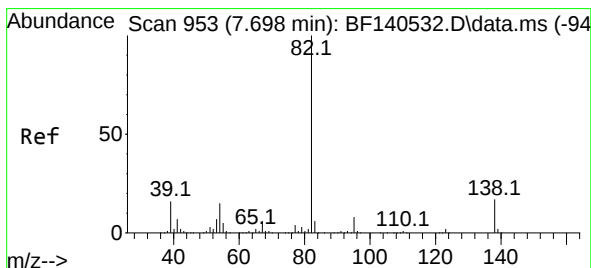
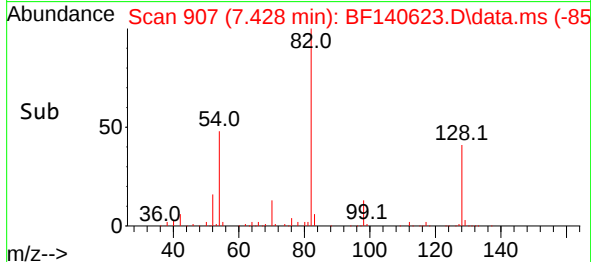
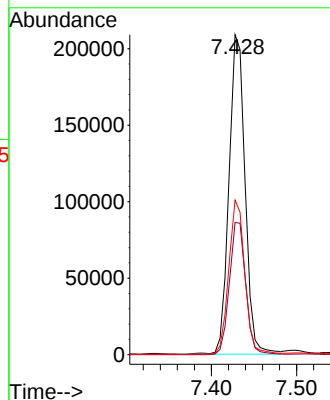
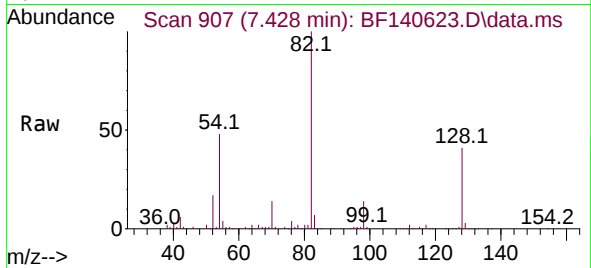




#23
Nitrobenzene-d5
Concen: 64.581 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

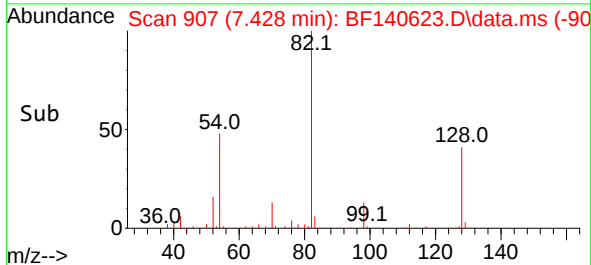
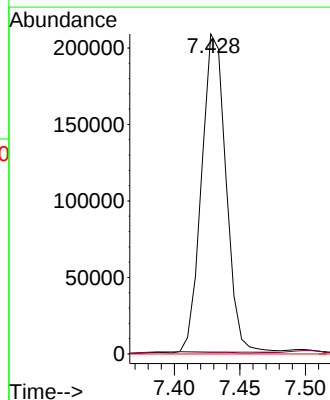
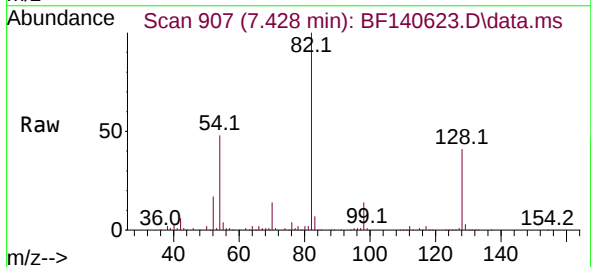
Instrument :
BNA_F
ClientSampleId :
AU-05-112124

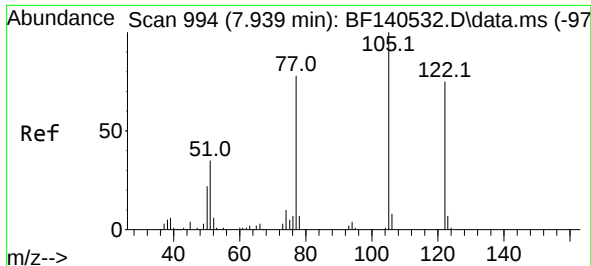
Tgt Ion: 82 Resp: 275070
Ion Ratio Lower Upper
82 100
128 41.3 33.0 49.4
54 48.3 39.5 59.3



#25
Isophorone
Concen: 37.707 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.271 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

Tgt Ion: 82 Resp: 267880
Ion Ratio Lower Upper
82 100
95 0.5 6.4 9.6#
138 0.0 13.8 20.6#

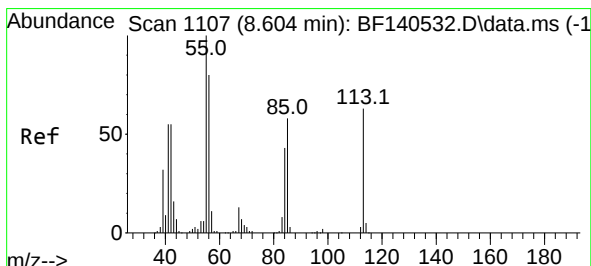
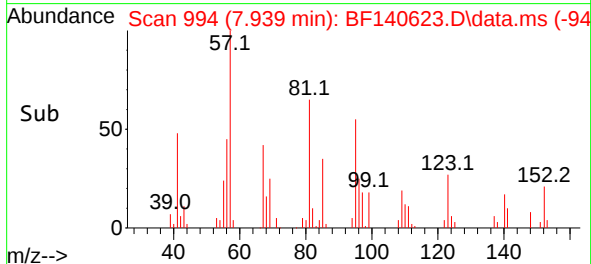
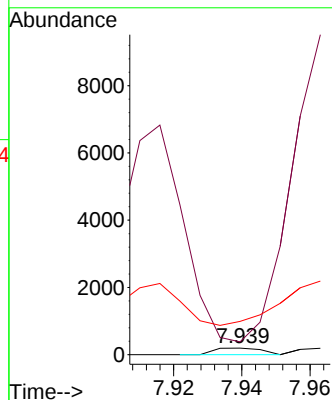
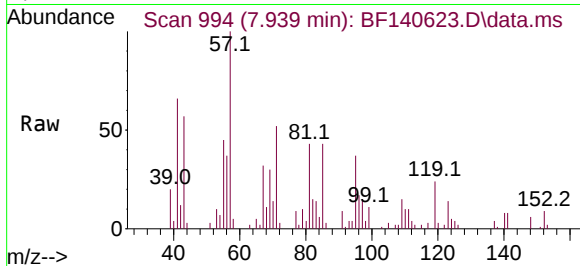




#32
Benzoic acid
Concen: 7.272 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

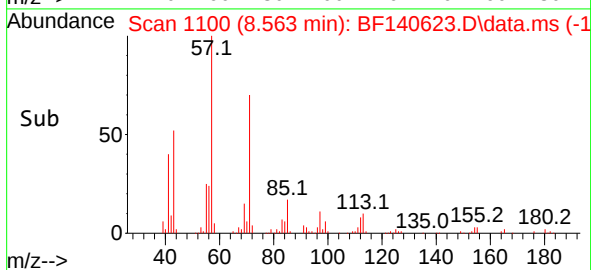
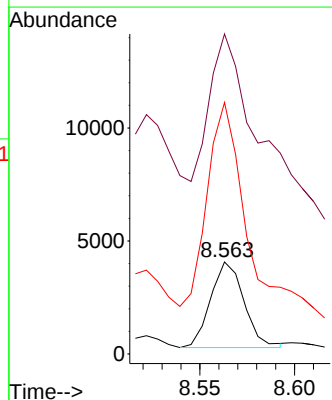
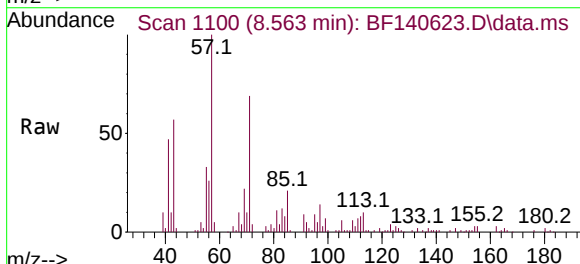
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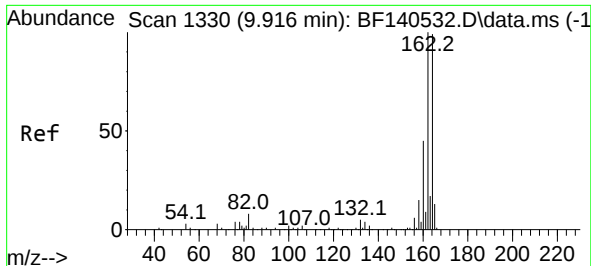
Tgt Ion:122 Resp: 191
Ion Ratio Lower Upper
122 100
105 192.4 109.3 149.3#
77 503.6 82.3 122.3#



#35
Caprolactam
Concen: 4.877 ng
RT: 8.563 min Scan# 1100
Delta R.T. -0.041 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

Tgt Ion:113 Resp: 4668
Ion Ratio Lower Upper
113 100
55 347.6 137.7 177.7#
56 273.1 106.4 146.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140623.D

Acq: 26 Nov 2024 00:14

Instrument :

BNA_F

ClientSampleId :

AU-05-112124

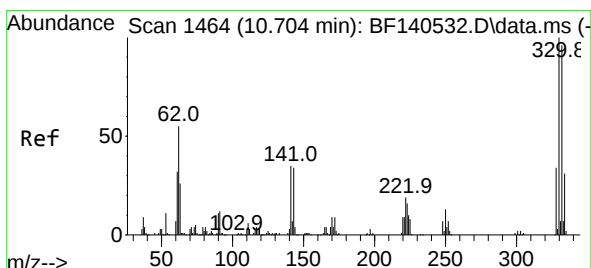
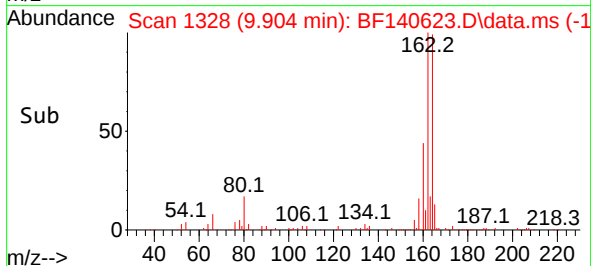
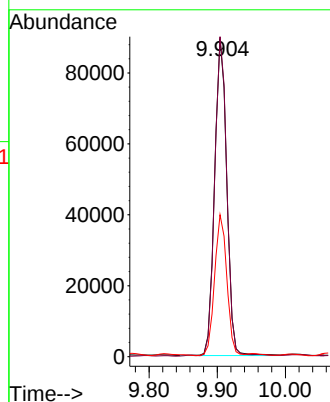
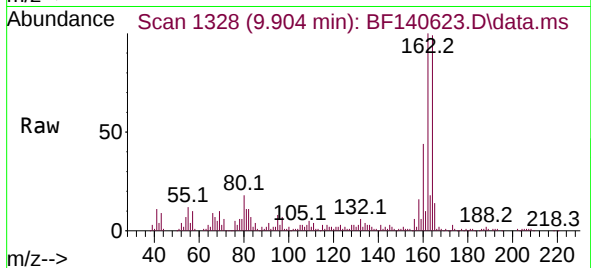
Tgt Ion:164 Resp: 111229

Ion Ratio Lower Upper

164 100

162 100.6 80.6 120.8

160 44.6 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 80.934 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140623.D

Acq: 26 Nov 2024 00:14

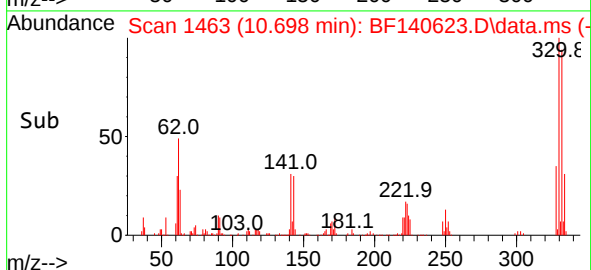
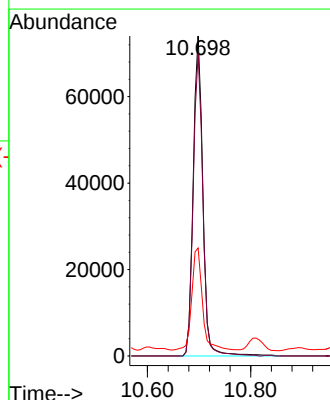
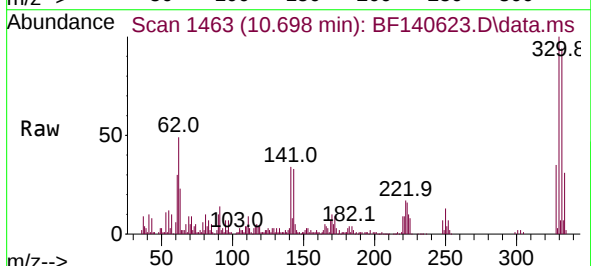
Tgt Ion:330 Resp: 96279

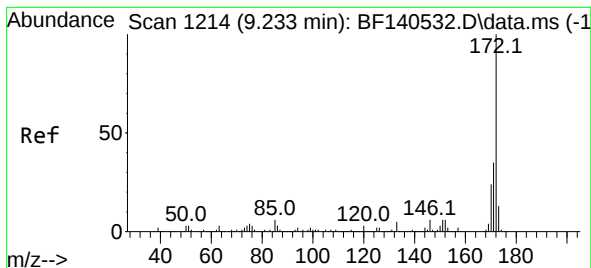
Ion Ratio Lower Upper

330 100

332 94.1 76.9 115.3

141 34.9 26.7 40.1





#45

2-Fluorobiphenyl

Concen: 64.866 ng

RT: 9.222 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140623.D

Acq: 26 Nov 2024 00:14

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BNA_F

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AU-05-112124

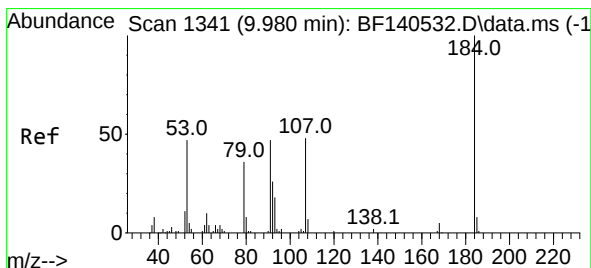
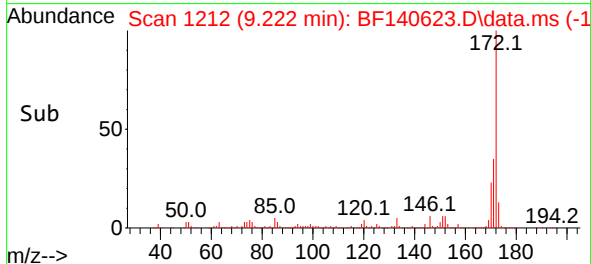
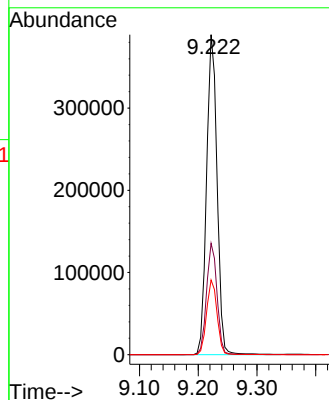
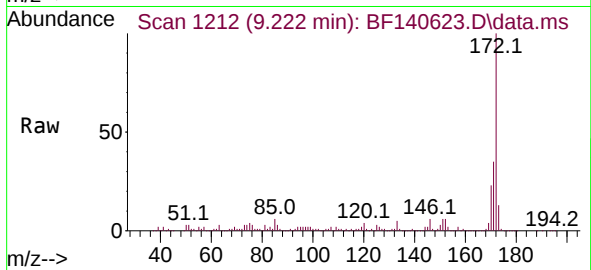
Tgt Ion:172 Resp: 484249

Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 23.4 19.0 28.6



#54

2,4-Dinitrophenol

Concen: 7.880 ng

RT: 10.122 min Scan# 1365

Delta R.T. 0.142 min

Lab File: BF140623.D

Acq: 26 Nov 2024 00:14

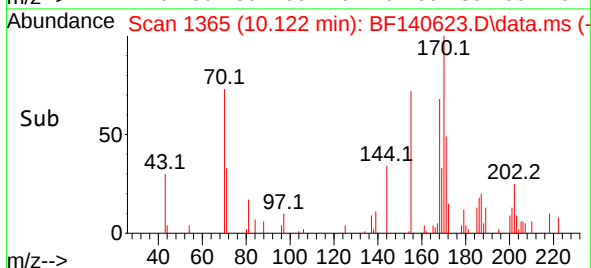
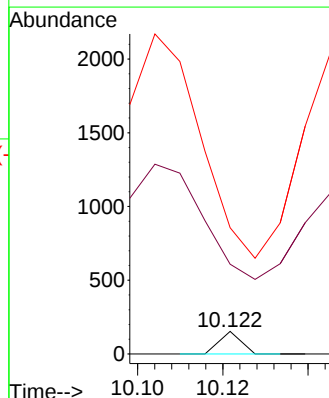
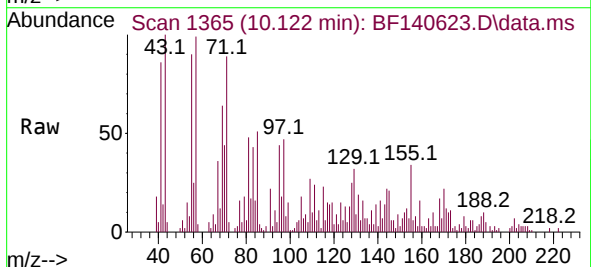
Tgt Ion:184 Resp: 54

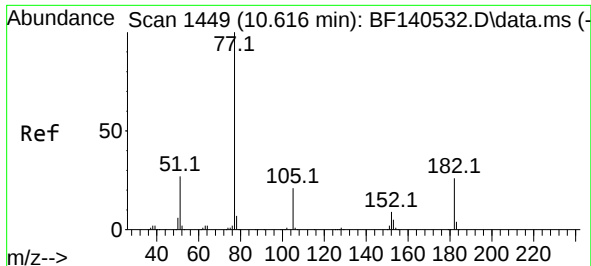
Ion Ratio Lower Upper

184 100

63 398.0 54.1 81.1#

154 559.5 57.4 86.0#

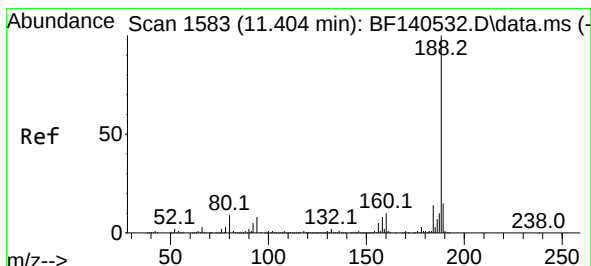
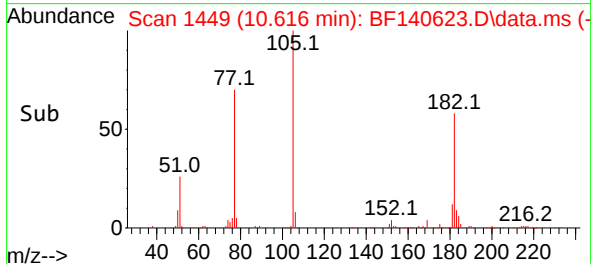
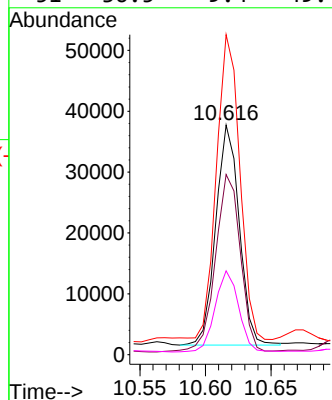
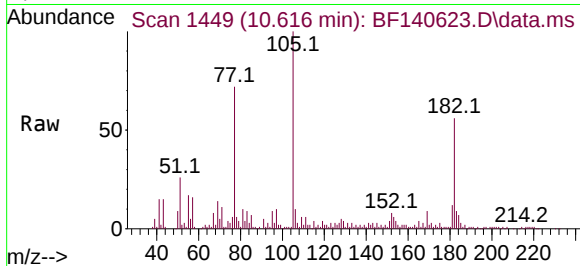




#63
Azobenzene
Concen: 6.397 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

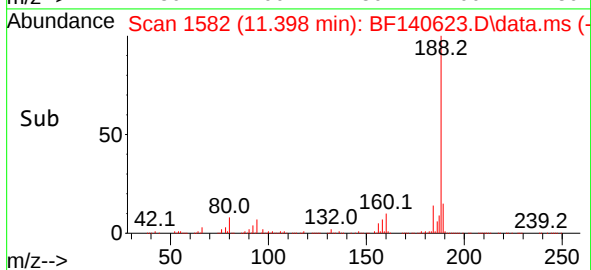
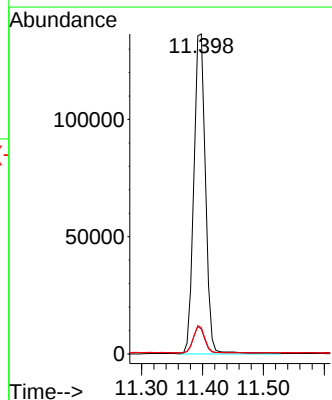
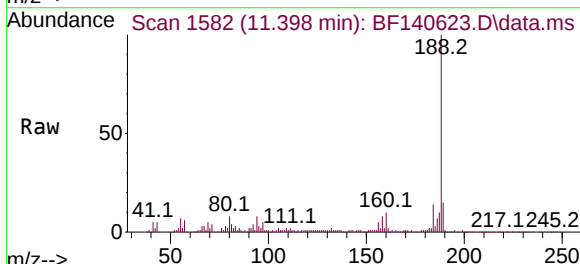
Instrument :
BNA_F
ClientSampleId :
AU-05-112124

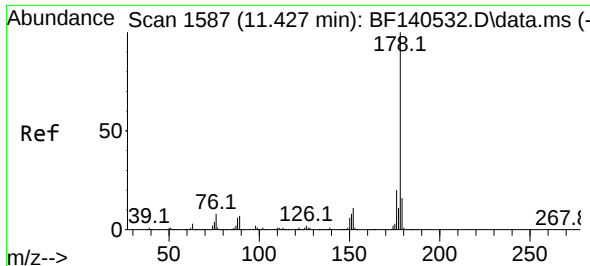
Tgt Ion:	77	Resp:	45087
Ion	Ratio	Lower	Upper
77	100		
182	78.5	5.3	45.3#
105	139.4	0.3	40.3#
51	36.5	9.4	49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

Tgt Ion:	188	Resp:	181532
Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.4	9.6
80	8.3	6.9	10.3

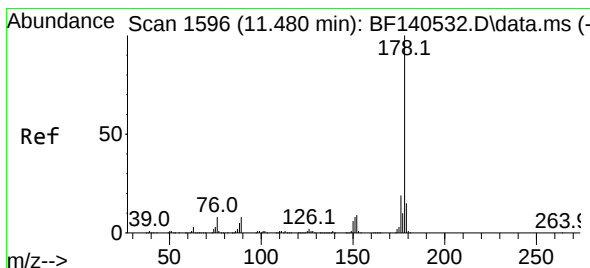
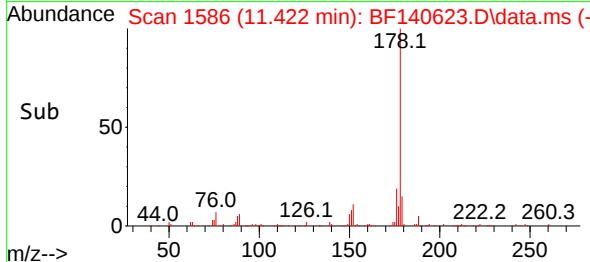
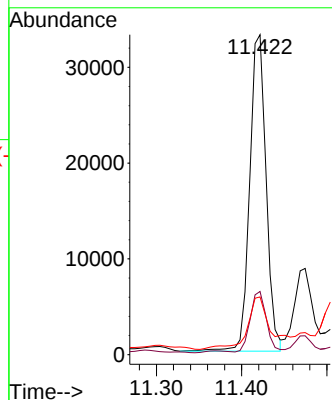
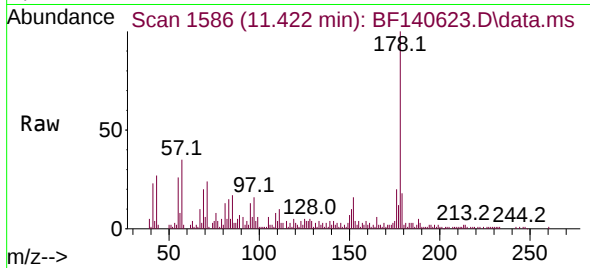




#71
Phenanthrene
Concen: 5.069 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

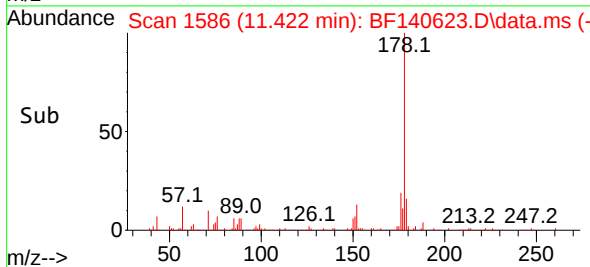
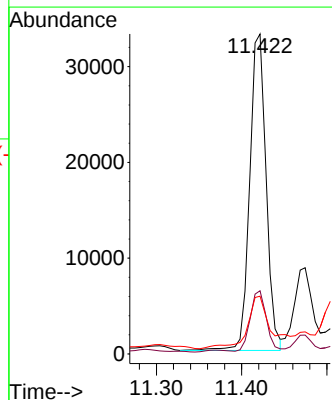
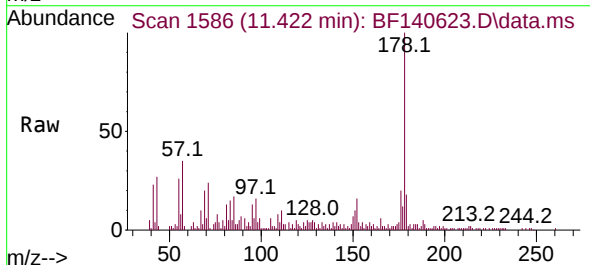
Instrument :
BNA_F
ClientSampleId :
AU-05-112124

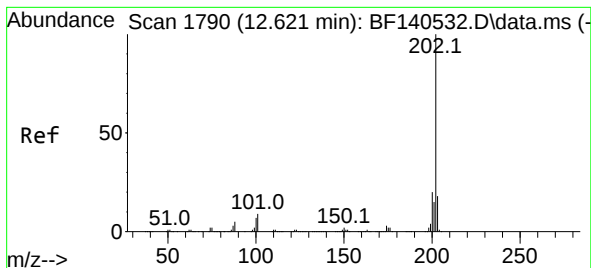
Tgt Ion:178 Resp: 44229
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 18.1 12.4 18.6



#72
Anthracene
Concen: 5.182 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.059 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

Tgt Ion:178 Resp: 44229
Ion Ratio Lower Upper
178 100
176 19.7 15.0 22.4
179 18.1 12.2 18.4





#75

Fluoranthene

Concen: 5.590 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF140623.D

Acq: 26 Nov 2024 00:14

Instrument :

BNA_F

ClientSampleId :

AU-05-112124

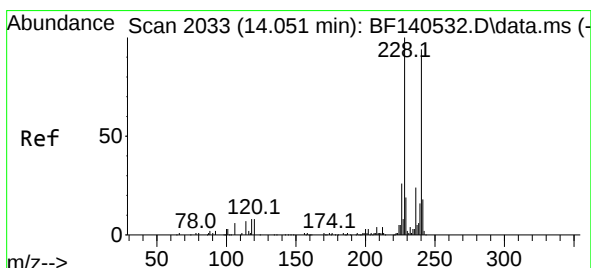
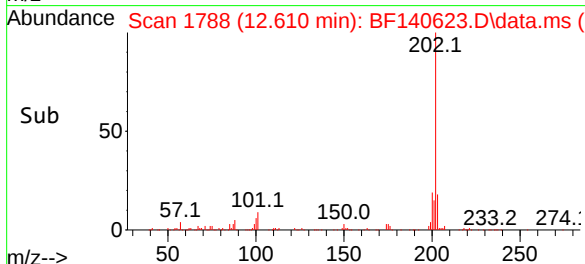
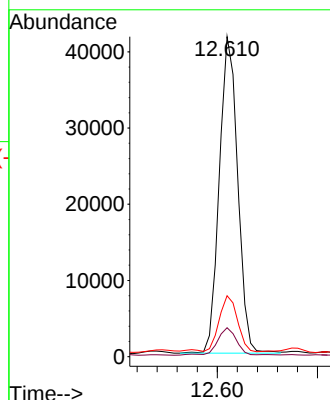
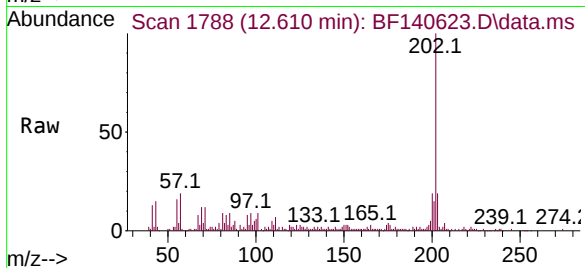
Tgt Ion:202 Resp: 52962

Ion Ratio Lower Upper

202 100

101 9.0 0.0 28.9

203 19.0 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF140623.D

Acq: 26 Nov 2024 00:14

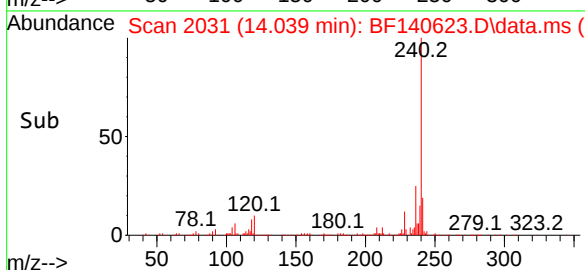
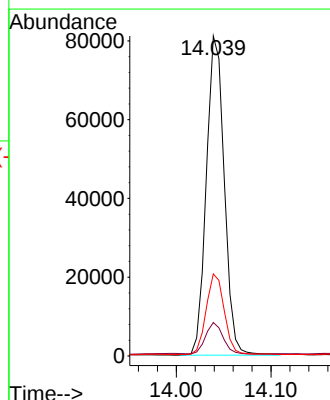
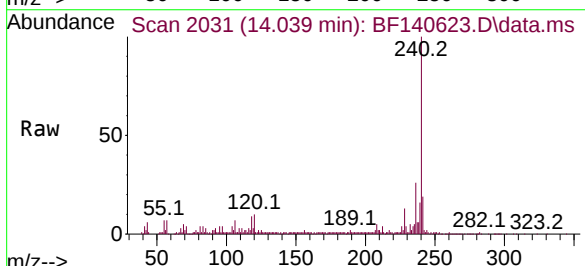
Tgt Ion:240 Resp: 106827

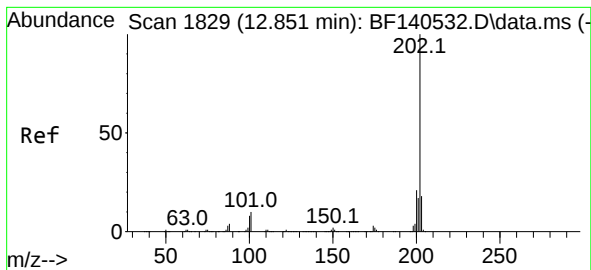
Ion Ratio Lower Upper

240 100

120 10.4 7.3 10.9

236 25.7 20.6 31.0





#78

Pyrene

Concen: 5.075 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.012 min

Lab File: BF140623.D

Acq: 26 Nov 2024 00:14

Instrument :

BNA_F

ClientSampleId :

AU-05-112124

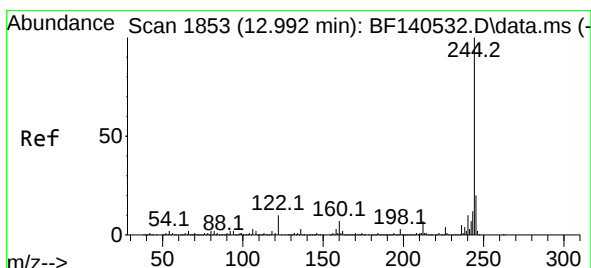
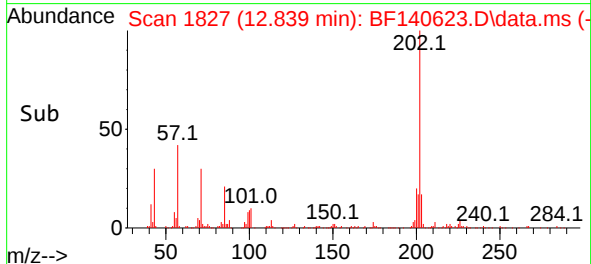
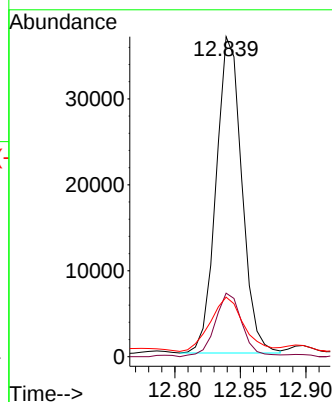
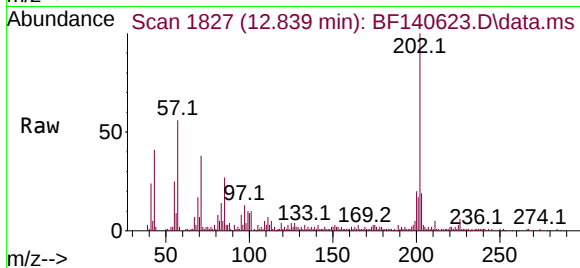
Tgt Ion:202 Resp: 50127

Ion Ratio Lower Upper

202 100

200 19.9 16.5 24.7

203 18.6 14.2 21.4



#79

Terphenyl-d14

Concen: 56.495 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140623.D

Acq: 26 Nov 2024 00:14

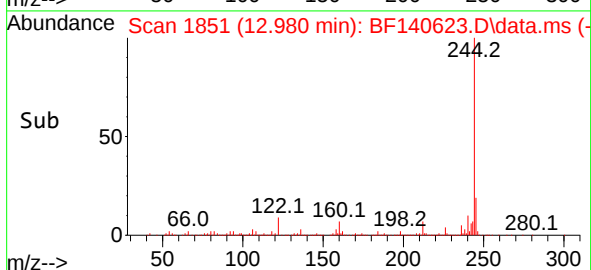
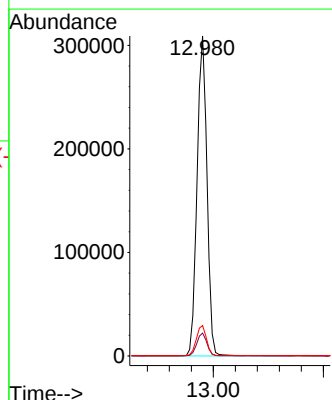
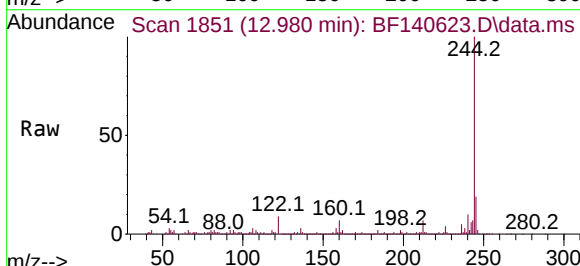
Tgt Ion:244 Resp: 387585

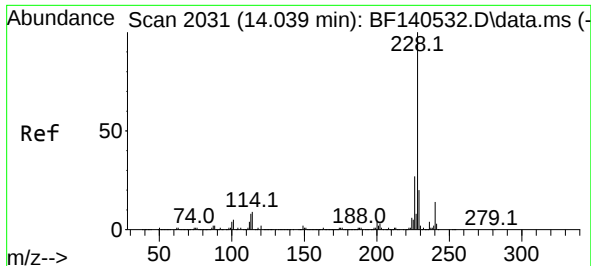
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 9.5 8.0 12.0

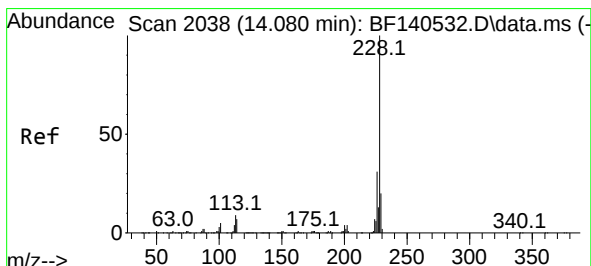
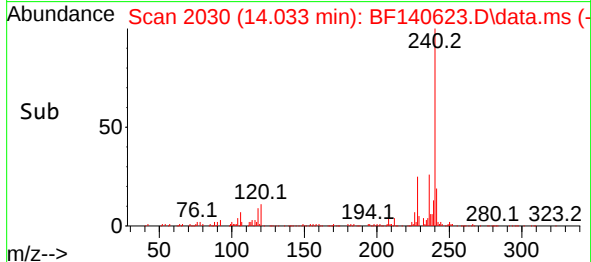
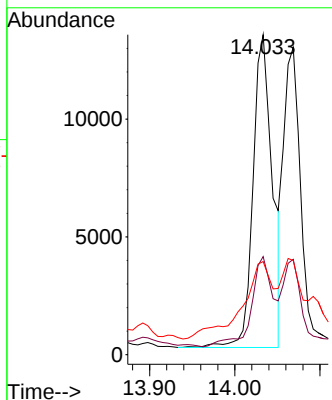
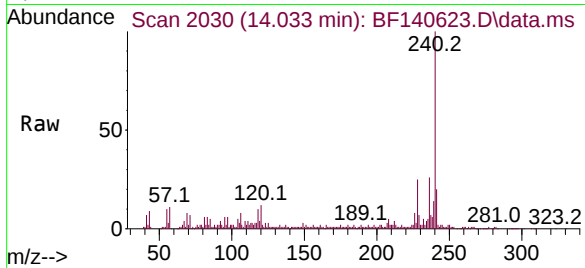




#81
Benzo(a)anthracene
Concen: 2.958 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

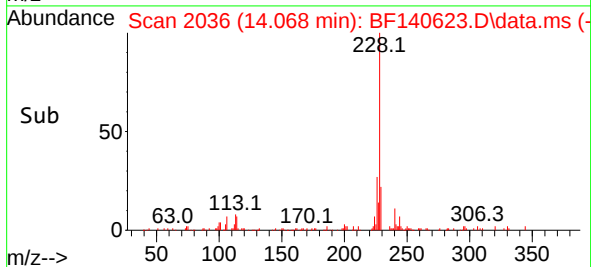
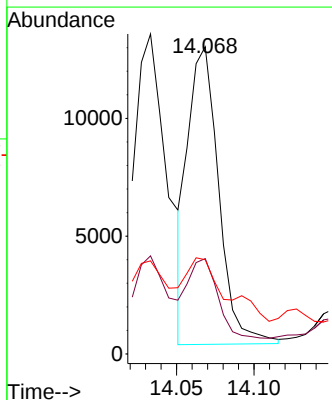
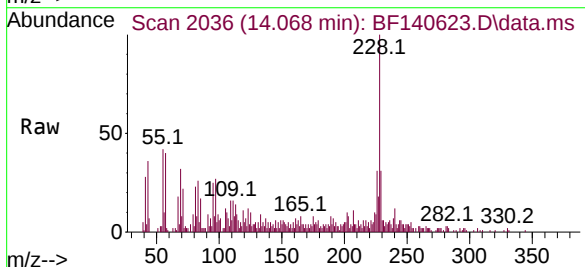
Instrument :
BNA_F
ClientSampleId :
AU-05-112124

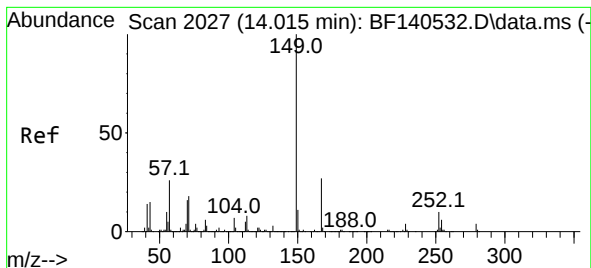
Tgt Ion:228 Resp: 20915
Ion Ratio Lower Upper
228 100
226 30.6 21.8 32.8
229 29.1 15.8 23.6#



#83
Chrysene
Concen: 2.707 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

Tgt Ion:228 Resp: 17503
Ion Ratio Lower Upper
228 100
226 31.0 24.4 36.6
229 30.7 15.8 23.6#

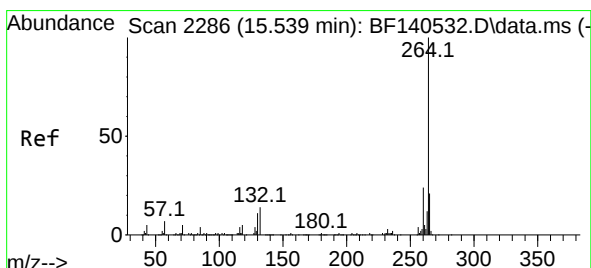
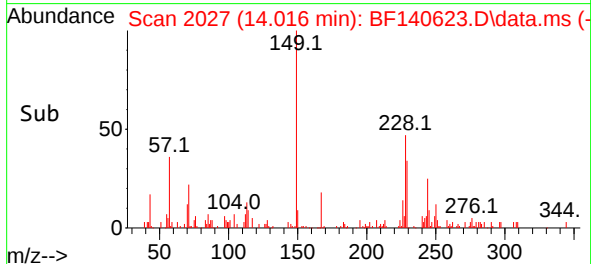
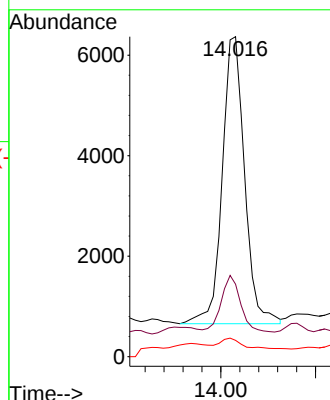
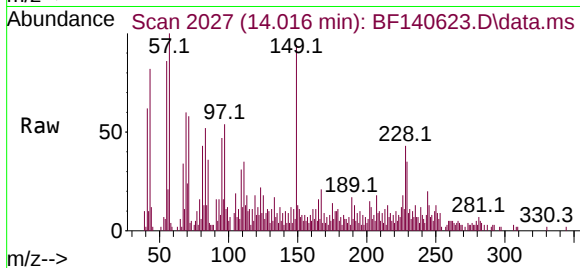




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.088 ng
RT: 14.016 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

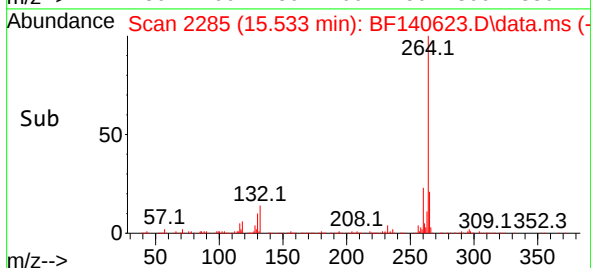
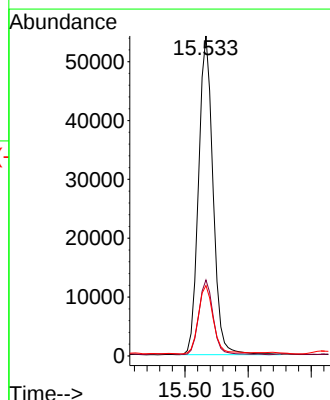
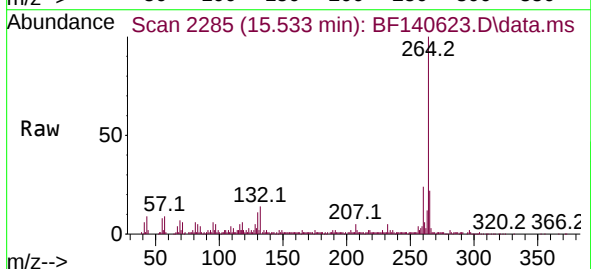
Instrument :
BNA_F
ClientSampleId :
AU-05-112124

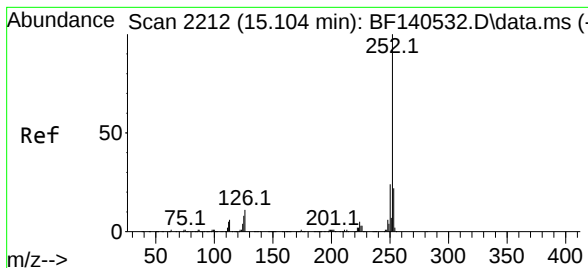
Tgt Ion:149 Resp: 9382
Ion Ratio Lower Upper
149 100
167 22.6 21.2 31.8
279 5.1 3.2 4.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF140623.D
Acq: 26 Nov 2024 00:14

Tgt Ion:264 Resp: 86105
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 22.0 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 3.719 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.006 min

Lab File: BF140623.D

Acq: 26 Nov 2024 00:14

Instrument :

BNA_F

ClientSampleId :

AU-05-112124

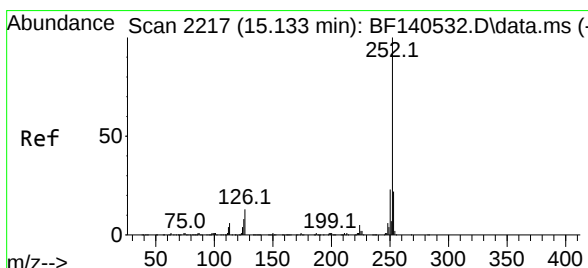
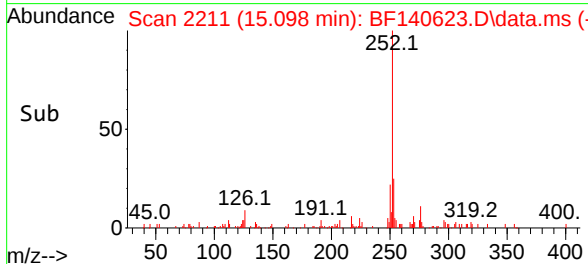
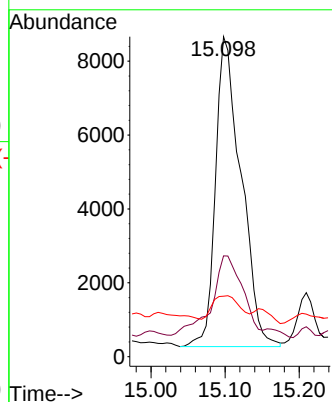
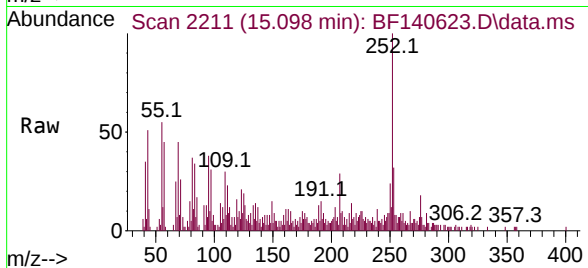
Tgt Ion:252 Resp: 20116

Ion Ratio Lower Upper

252 100

253 31.5 17.2 25.8#

125 18.9 6.7 10.1#



#89

Benzo(k)fluoranthene

Concen: 4.250 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.035 min

Lab File: BF140623.D

Acq: 26 Nov 2024 00:14

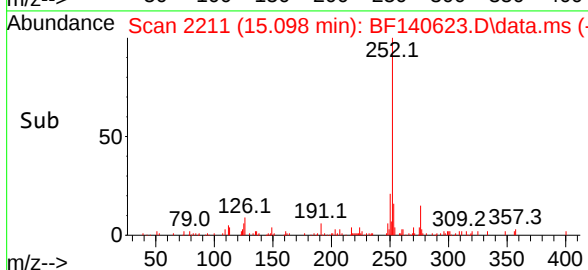
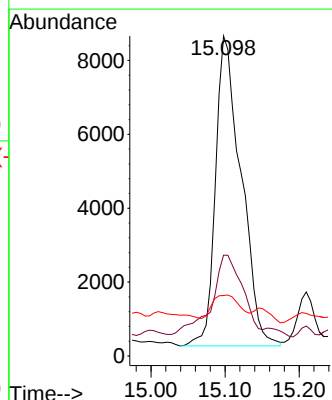
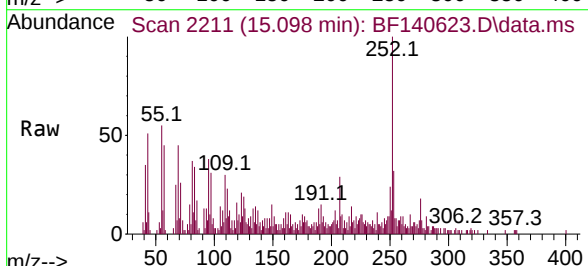
Tgt Ion:252 Resp: 20116

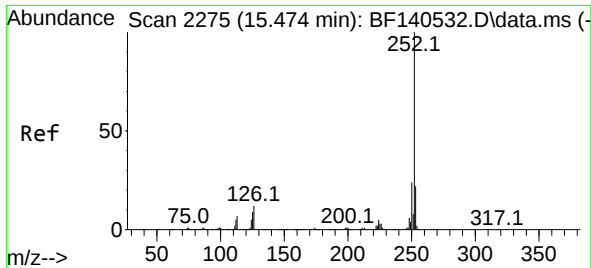
Ion Ratio Lower Upper

252 100

253 31.5 17.5 26.3#

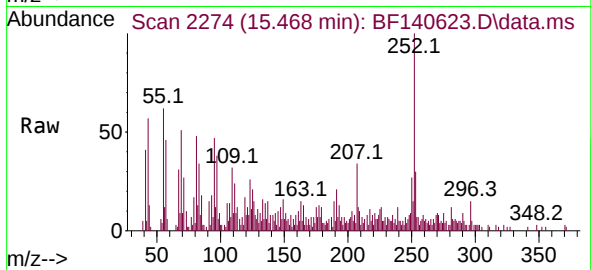
125 18.9 6.5 9.7#





#90
 Benzo(a)pyrene
 Concen: 2.325 ng
 RT: 15.468 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF140623.D
 Acq: 26 Nov 2024 00:14

Instrument :
 BNA_F
 ClientSampleId :
 AU-05-112124



Tgt Ion:252 Resp: 10224
 Ion Ratio Lower Upper
 252 100
 253 30.4 17.3 25.9#
 125 21.0 7.0 10.6#

