

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140473.D
 Acq On : 19 Nov 2024 15:06
 Operator : RC/JU
 Sample : P4771-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-1

Quant Time: Nov 19 15:29:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

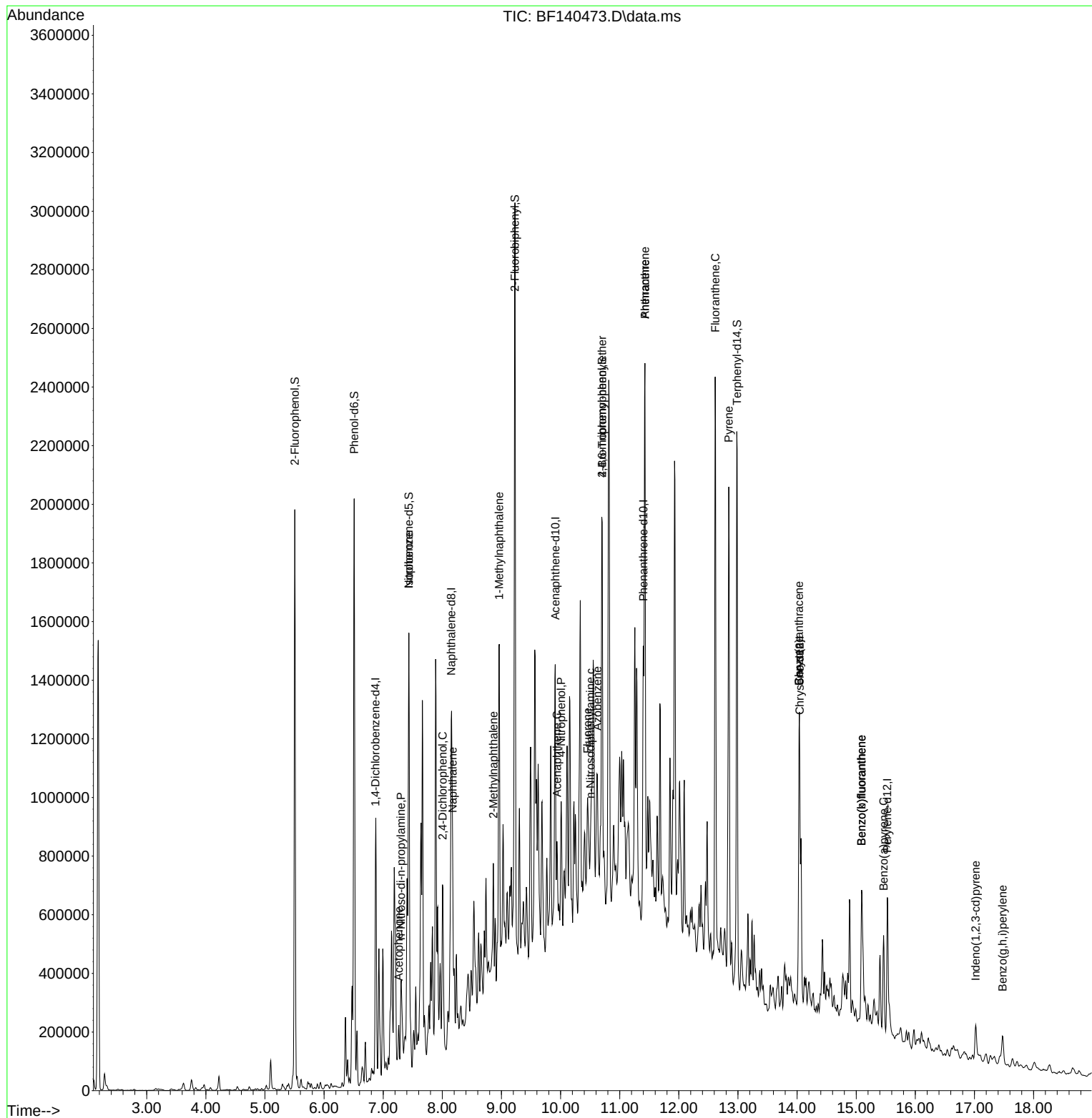
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	146282	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	527101	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	277147	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	459414	20.000	ng	0.00
76) Chrysene-d12	14.045	240	253688	20.000	ng	0.00
86) Perylene-d12	15.527	264	274336	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	741721	86.573	ng	0.01
7) Phenol-d6	6.510	99	992523	85.505	ng	0.00
23) Nitrobenzene-d5	7.433	82	637886	63.054	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	220489	80.003	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1124162	65.205	ng	0.00
79) Terphenyl-d14	12.986	244	946135	64.737	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.298	70	25056	3.574	ng	# 54
22) Acetophenone	7.263	105	71249	5.812	ng	# 56
25) Isophorone	7.433	82	626840	34.961	ng	# 67
29) 2,4-Dichlorophenol	8.004	162	44822	6.061	ng	# 26
31) Naphthalene	8.175	128	112848	4.220	ng	# 91
37) 2-Methylnaphthalene	8.863	142	181985	10.614	ng	100
38) 1-Methylnaphthalene	8.963	142	278568	16.592	ng	100
52) Acenaphthene	9.939	154	57909	3.690	ng	96
56) 4-Nitrophenol	10.010	139	13697	4.342	ng	# 60
58) Fluorene	10.457	166	100376	5.719	ng	# 93
63) Azobenzene	10.621	77	81791	4.481	ng	# 1
66) n-Nitrosodiphenylamine	10.504	169	55621	4.190	ng	92
67) 4-Bromophenyl-phenylether	10.704	248	15020	3.271	ng	# 1
71) Phenanthrene	11.427	178	981374	45.474	ng	99
72) Anthracene	11.427	178	981374	46.398	ng	99
75) Fluoranthene	12.615	202	1118801	46.208	ng	99
78) Pyrene	12.845	202	908827	41.882	ng	98
81) Benzo(a)anthracene	14.033	228	389369	23.353	ng	# 96
83) Chrysene	14.033	228	389369	25.595	ng	94
87) Indeno(1,2,3-cd)pyrene	17.021	276	95812	5.654	ng	97
88) Benzo(b)fluoranthene	15.092	252	415449	23.150	ng	97
89) Benzo(k)fluoranthene	15.092	252	415449	28.338	ng	96
90) Benzo(a)pyrene	15.462	252	201869	14.485	ng	98
92) Benzo(g,h,i)perylene	17.474	276	86981	6.074	ng	96

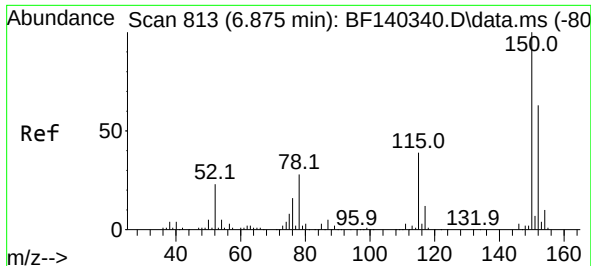
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
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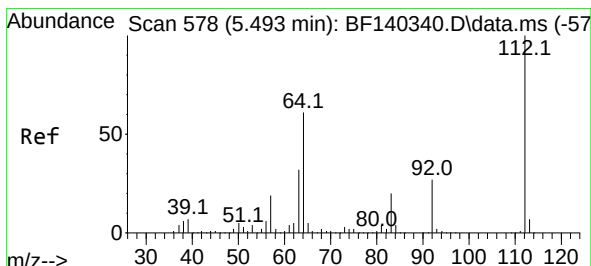
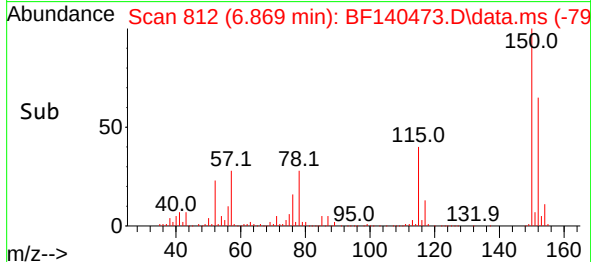
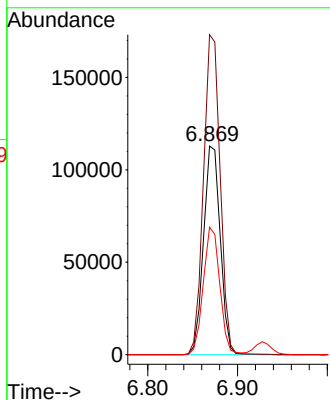
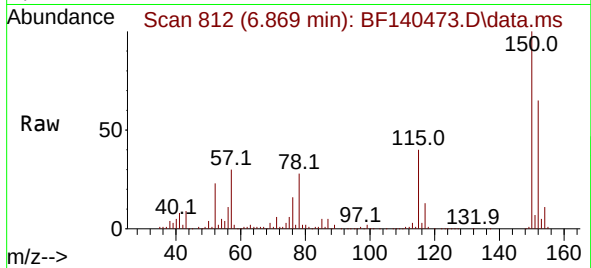




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

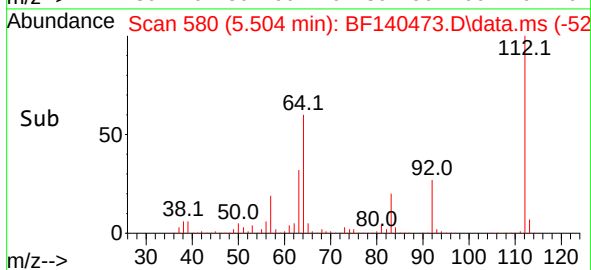
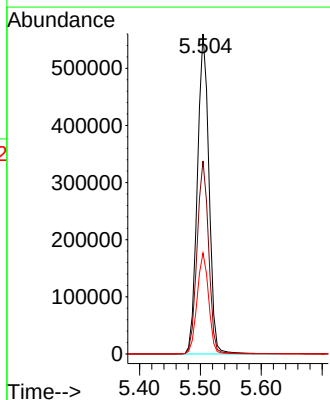
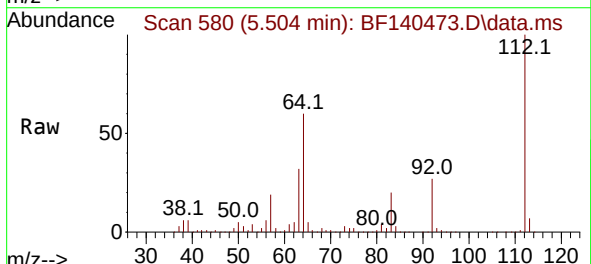
Instrument :
BNA_F
ClientSampleId :
P-1

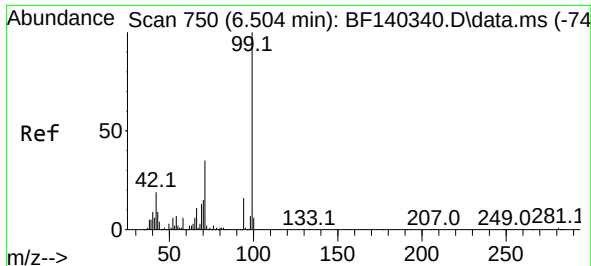
Tgt Ion:152 Resp: 146282
Ion Ratio Lower Upper
152 100
150 153.3 127.4 191.0
115 61.1 47.4 71.2



#5
2-Fluorophenol
Concen: 86.573 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:112 Resp: 741721
Ion Ratio Lower Upper
112 100
64 60.3 49.2 73.8
63 31.5 25.6 38.4

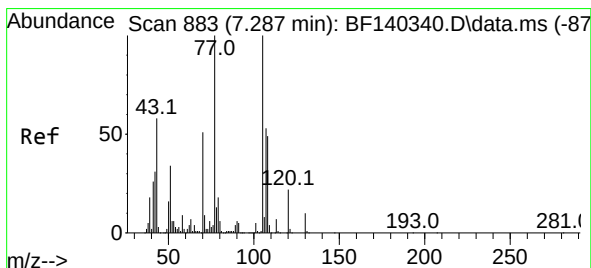
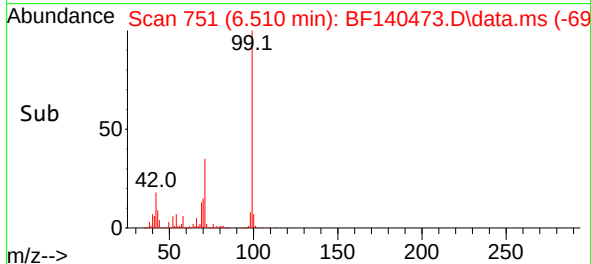
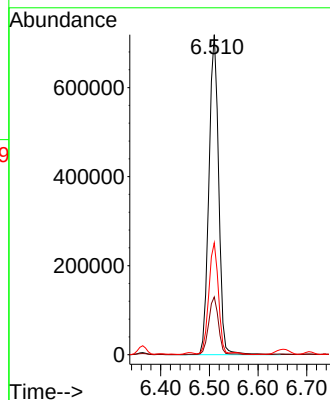
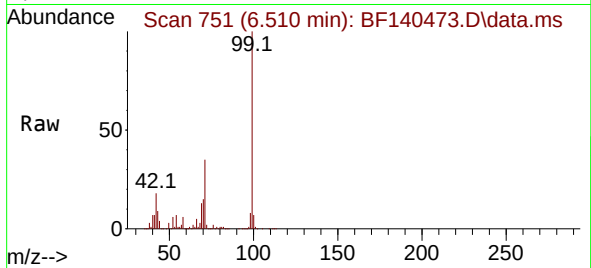




#7
Phenol-d6
Concen: 85.505 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

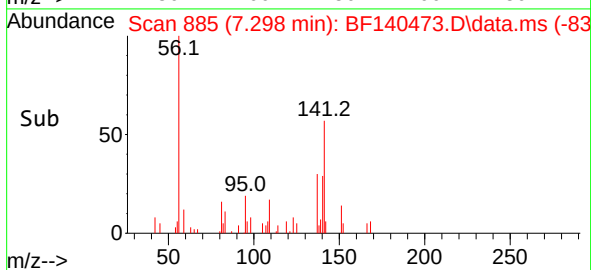
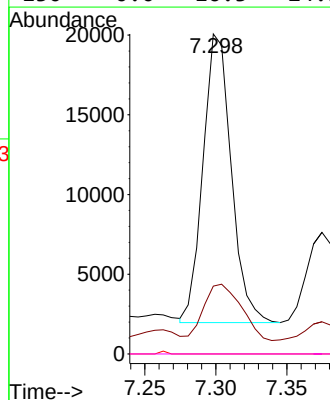
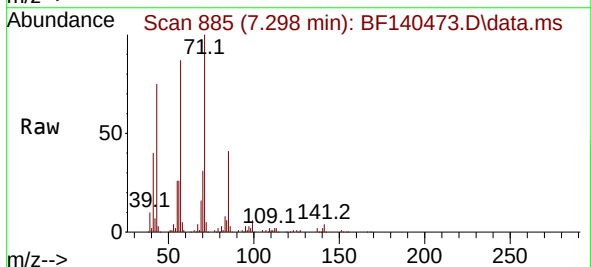
Instrument :
BNA_F
ClientSampleId :
P-1

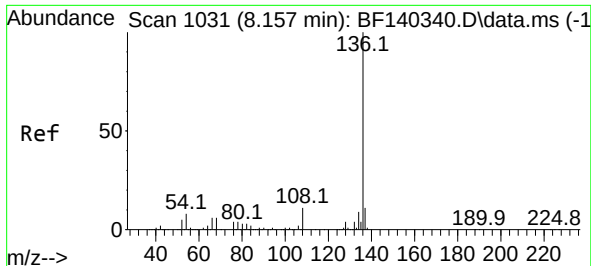
Tgt Ion: 99 Resp: 992523
Ion Ratio Lower Upper
99 100
42 18.1 15.1 22.7
71 35.0 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 3.574 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion: 70 Resp: 25056
Ion Ratio Lower Upper
70 100
42 21.2 46.8 70.2#
101 0.0 7.5 11.3#
130 0.0 16.3 24.5#

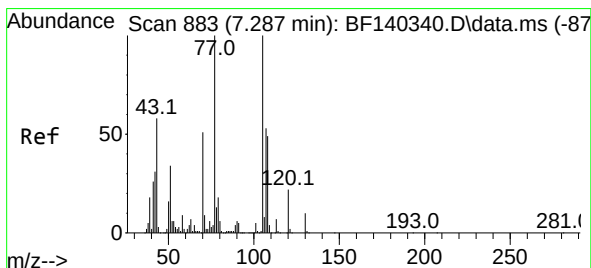
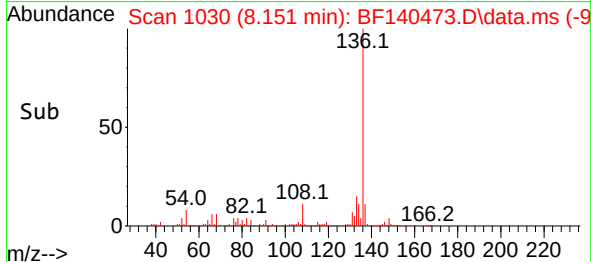
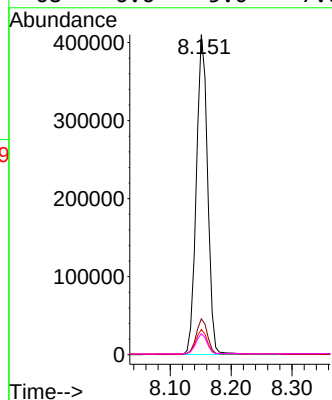
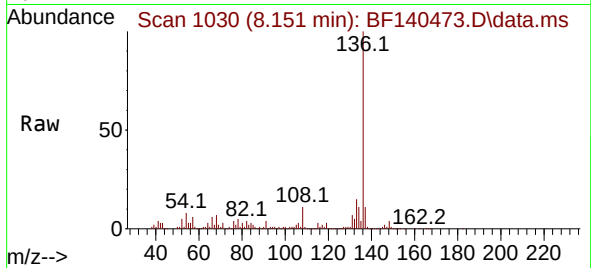




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

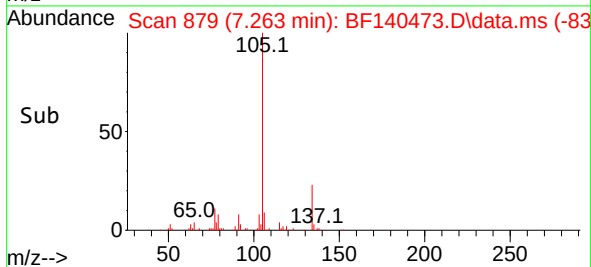
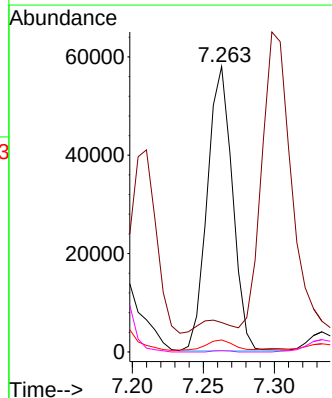
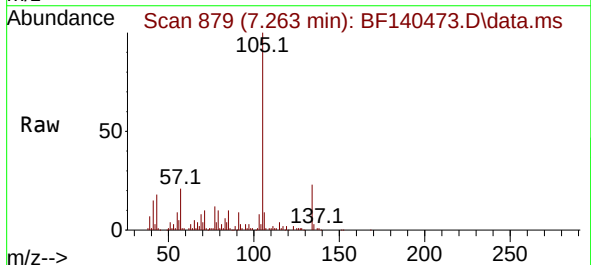
Instrument :
BNA_F
ClientSampleId :
P-1

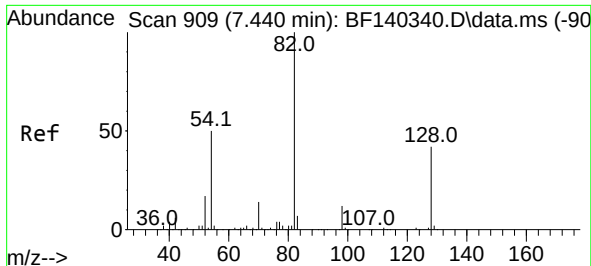
Tgt Ion:136 Resp: 527101
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 7.9 6.5 9.7
68 6.6 5.0 7.6



#22
Acetophenone
Concen: 5.812 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.024 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:105 Resp: 71249
Ion Ratio Lower Upper
105 100
71 10.3 6.9 10.3#
51 4.2 28.6 43.0#
120 0.5 17.2 25.8#





#23

Nitrobenzene-d5

Concen: 63.054 ng

RT: 7.433 min Scan# 908

Delta R.T. -0.006 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

Instrument :

BNA_F

ClientSampleId :

P-1

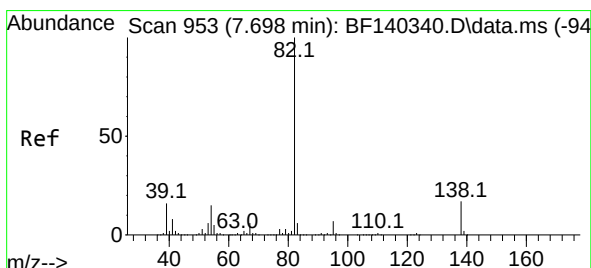
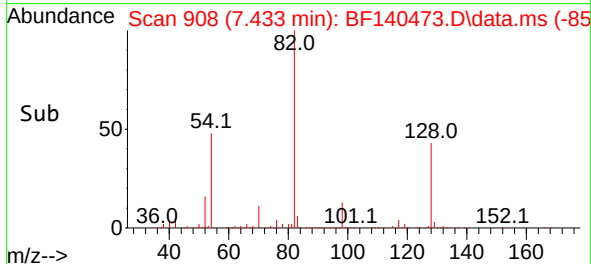
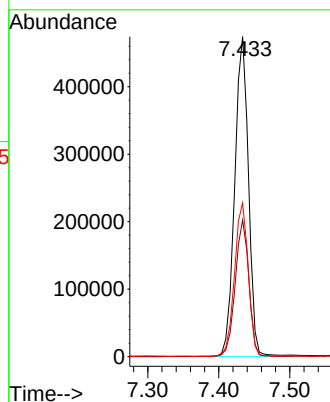
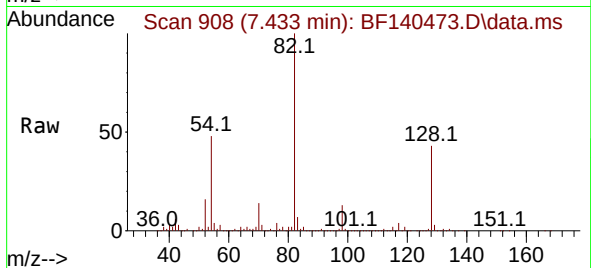
Tgt Ion: 82 Resp: 637886

Ion Ratio Lower Upper

82 100

128 42.7 33.3 49.9

54 48.1 39.8 59.8



#25

Isophorone

Concen: 34.961 ng

RT: 7.433 min Scan# 908

Delta R.T. -0.265 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

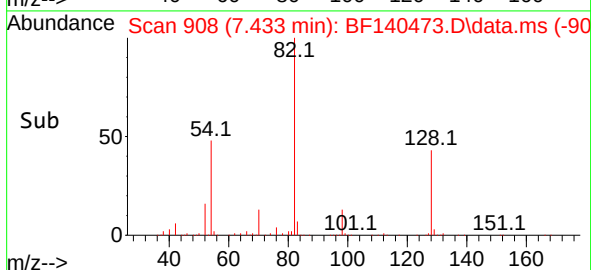
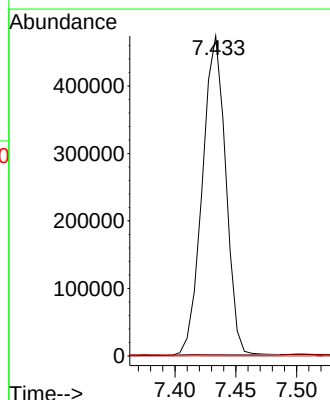
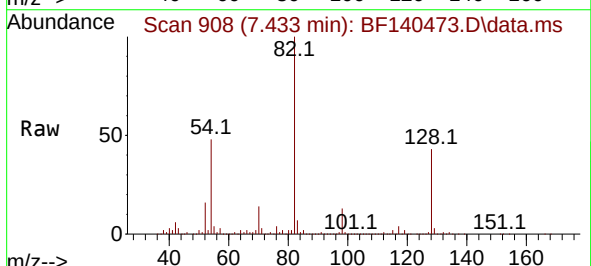
Tgt Ion: 82 Resp: 626840

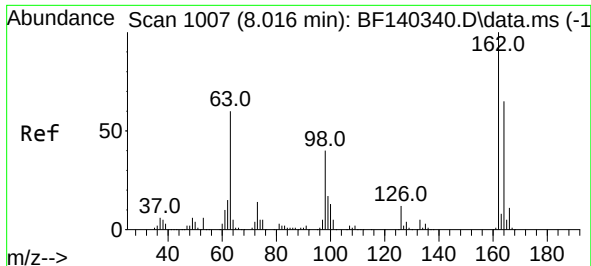
Ion Ratio Lower Upper

82 100

95 0.3 5.9 8.9#

138 0.0 13.4 20.2#

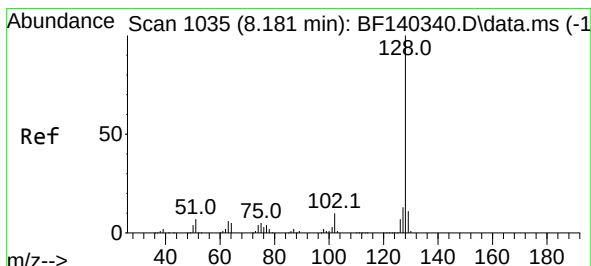
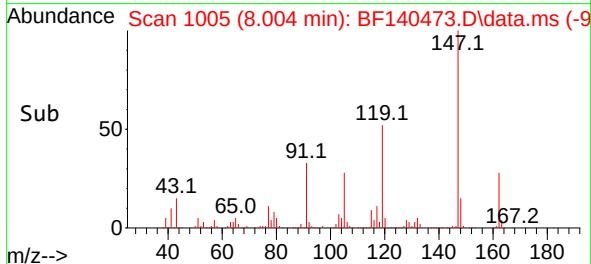
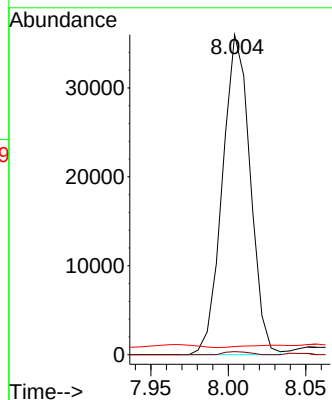
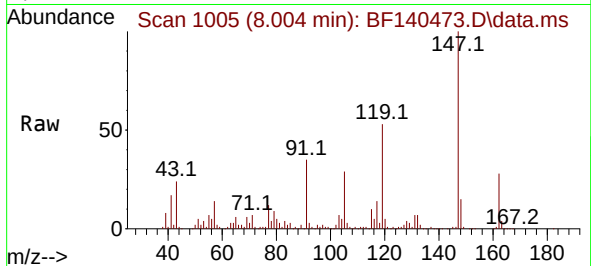




#29
2,4-Dichlorophenol
Concen: 6.061 ng
RT: 8.004 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

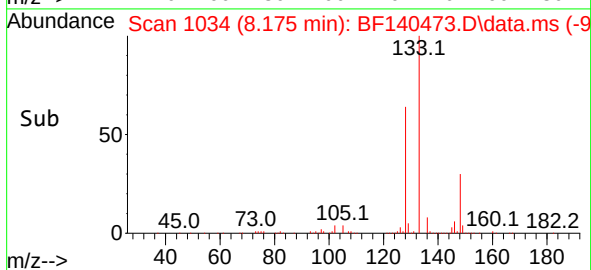
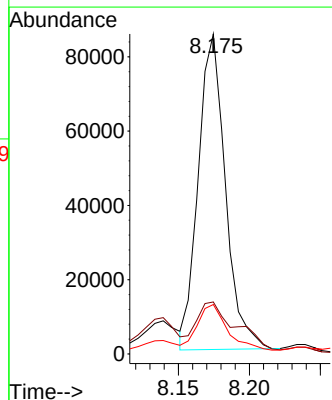
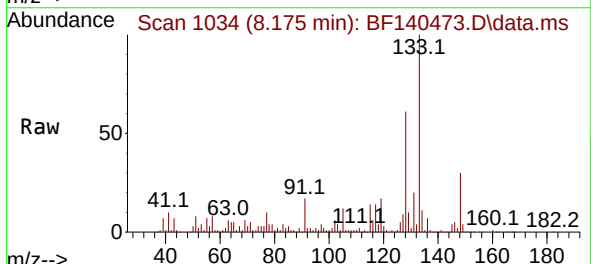
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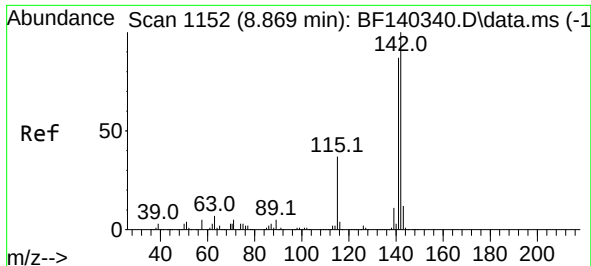
Tgt Ion:162 Resp: 44822
Ion Ratio Lower Upper
162 100
164 1.0 45.4 85.4#
98 2.5 19.9 59.9#



#31
Naphthalene
Concen: 4.220 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:128 Resp: 112848
Ion Ratio Lower Upper
128 100
129 16.3 8.9 13.3#
127 15.4 10.6 15.8

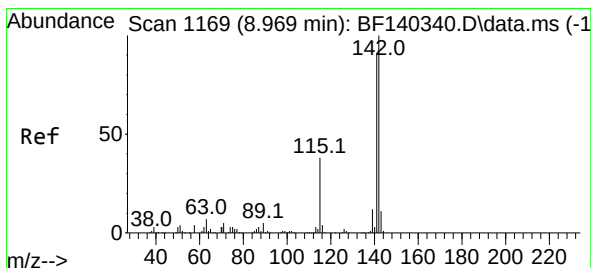
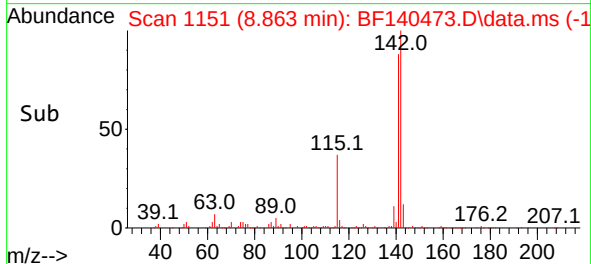
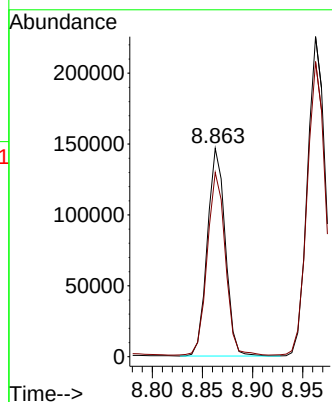
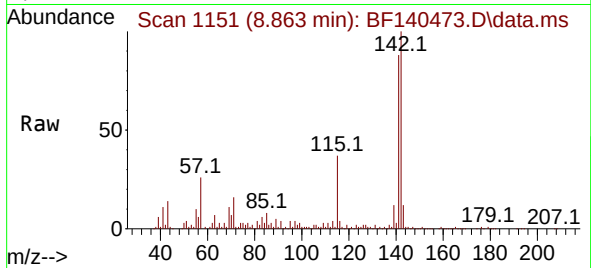




#37
2-Methylnaphthalene
Concen: 10.614 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

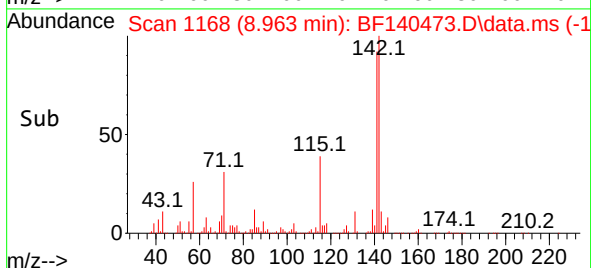
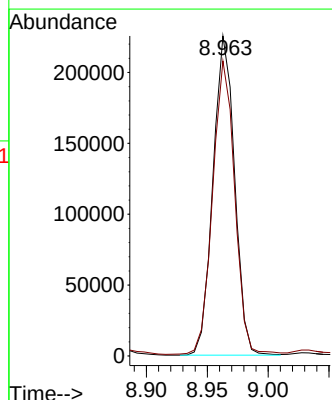
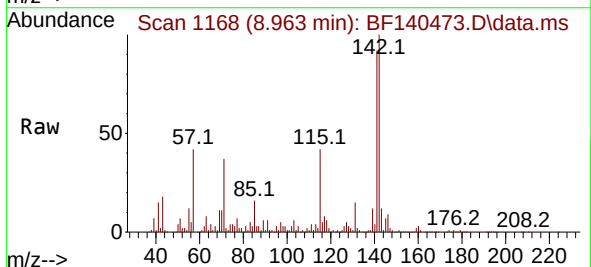
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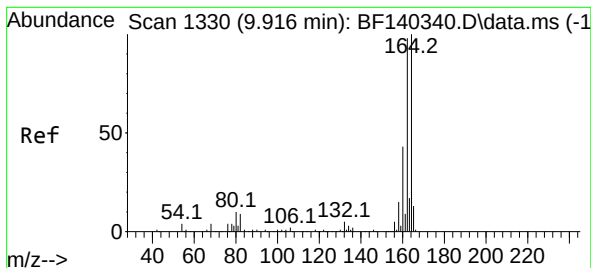
Tgt Ion:142 Resp: 181985
Ion Ratio Lower Upper
142 100
141 88.4 70.4 105.6



#38
1-Methylnaphthalene
Concen: 16.592 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:142 Resp: 278568
Ion Ratio Lower Upper
142 100
141 92.2 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

Instrument :

BNA_F

ClientSampleId :

P-1

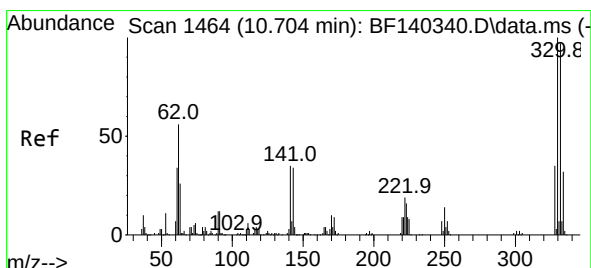
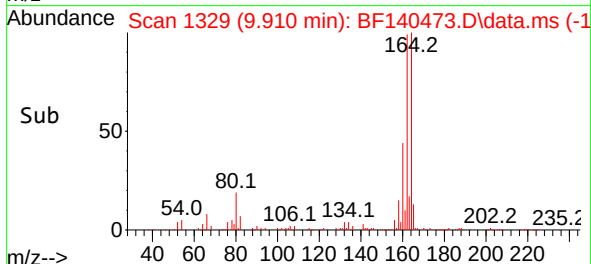
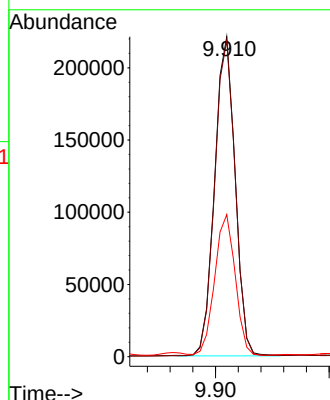
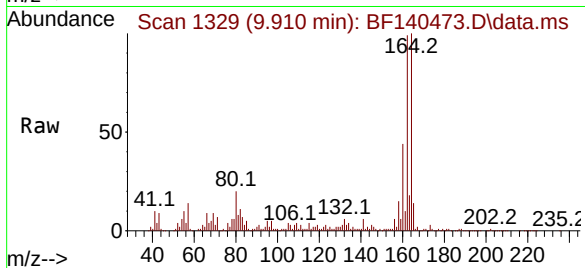
Tgt Ion:164 Resp: 277147

Ion Ratio Lower Upper

164 100

162 98.9 79.8 119.8

160 44.4 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 80.003 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

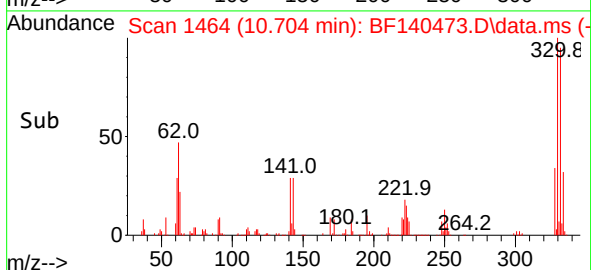
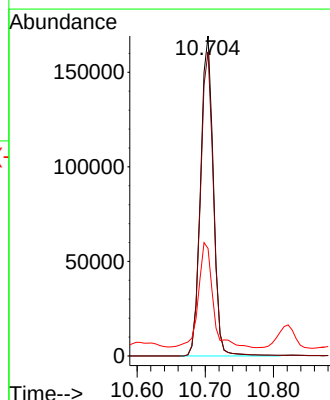
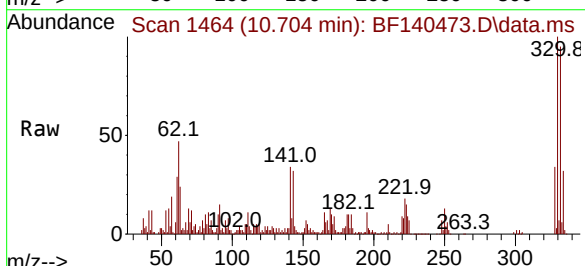
Tgt Ion:330 Resp: 220489

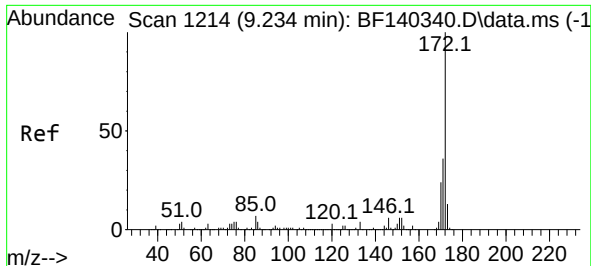
Ion Ratio Lower Upper

330 100

332 95.9 75.9 113.9

141 37.1 26.9 40.3

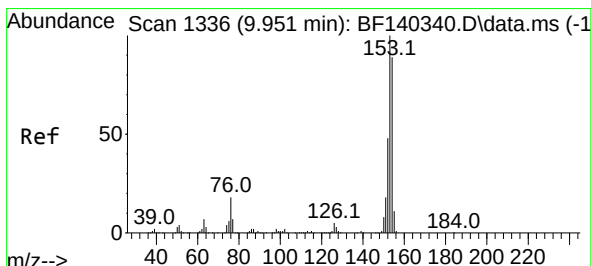
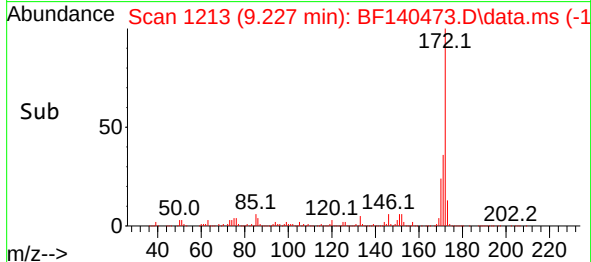
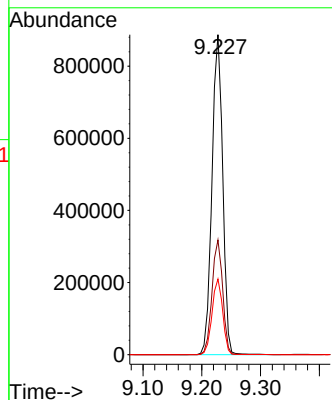
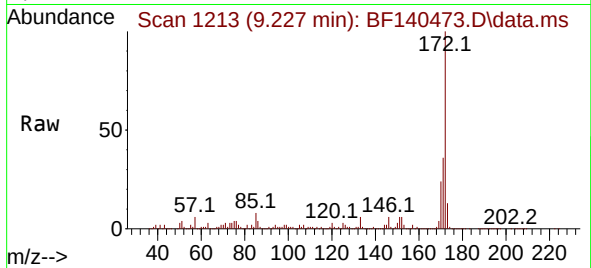




#45
2-Fluorobiphenyl
Concen: 65.205 ng
RT: 9.227 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

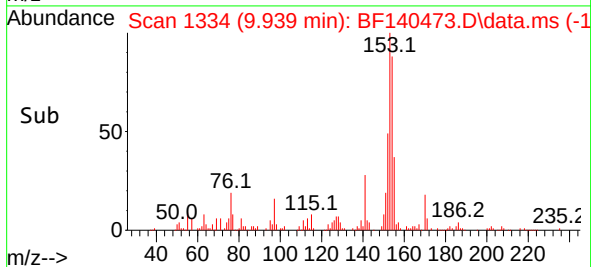
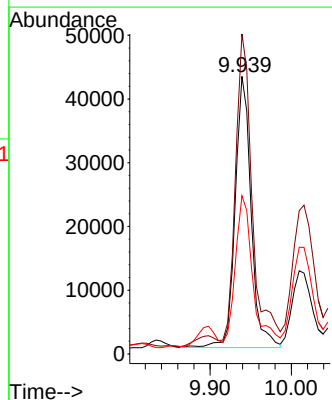
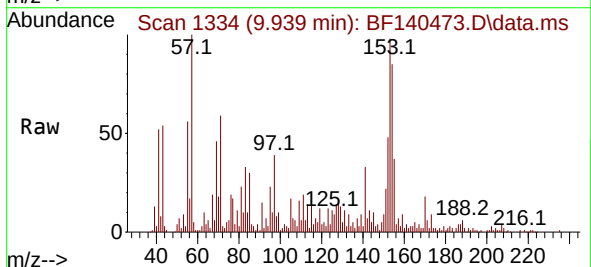
Instrument :
BNA_F
ClientSampleId :
P-1

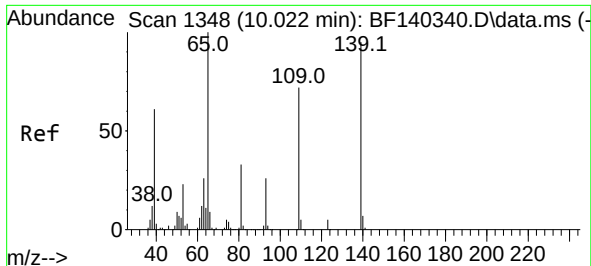
Tgt Ion:172 Resp: 1124162
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 23.6 19.1 28.7



#52
Acenaphthene
Concen: 3.690 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:154 Resp: 57909
Ion Ratio Lower Upper
154 100
153 115.3 89.8 134.8
152 57.0 42.6 64.0

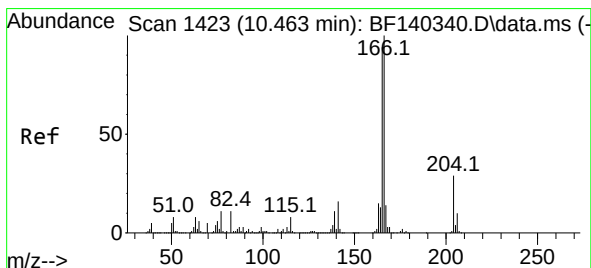
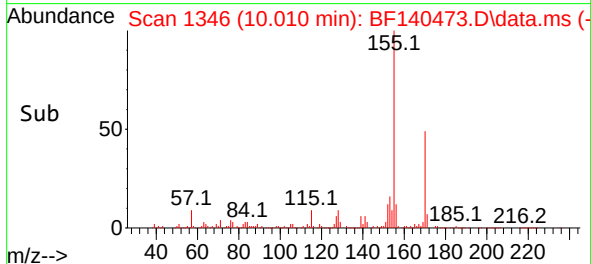
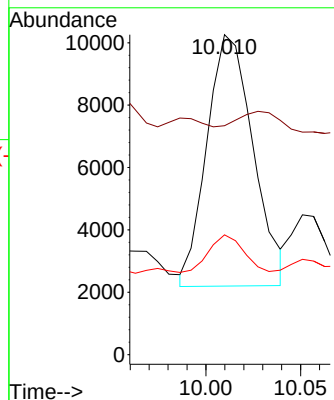
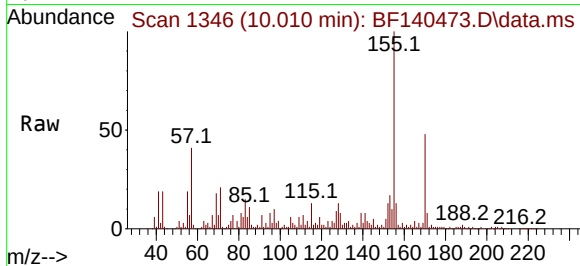




#56
4-Nitrophenol
Concen: 4.342 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

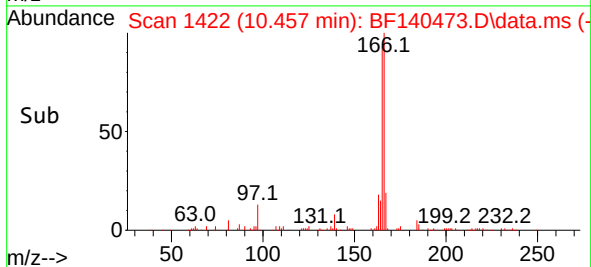
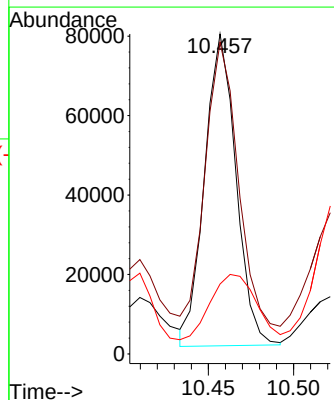
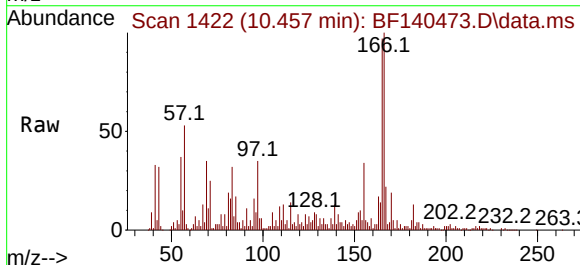
Instrument :
BNA_F
ClientSampleId :
P-1

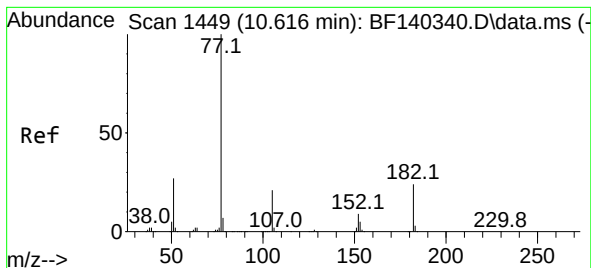
Tgt Ion:139 Resp: 13697
Ion Ratio Lower Upper
139 100
109 71.5 54.5 94.5
65 37.5 84.4 124.4#



#58
Fluorene
Concen: 5.719 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:166 Resp: 100376
Ion Ratio Lower Upper
166 100
165 97.4 73.9 110.9
167 21.8 10.9 16.3#





#63

Azobenzene

Concen: 4.481 ng

RT: 10.621 min Scan# 1449

Delta R.T. 0.006 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

Instrument :

BNA_F

ClientSampleId :

P-1

Tgt Ion: 77 Resp: 81791

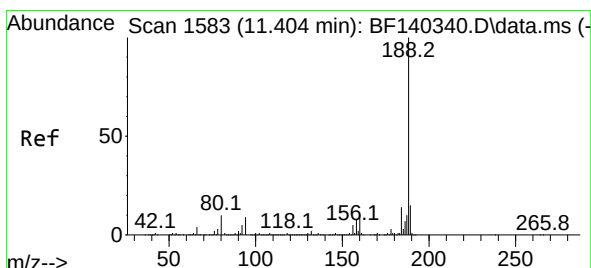
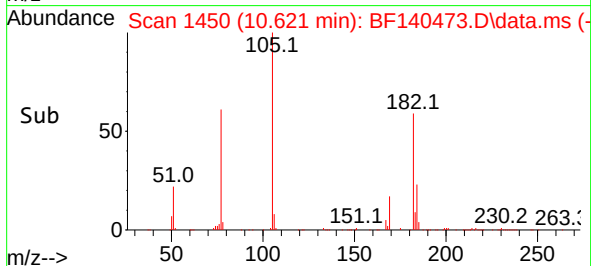
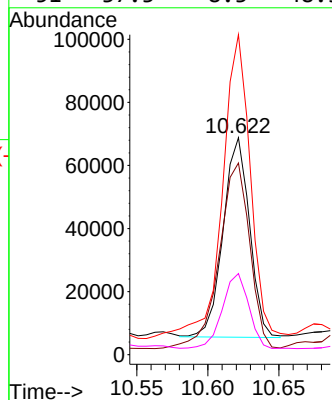
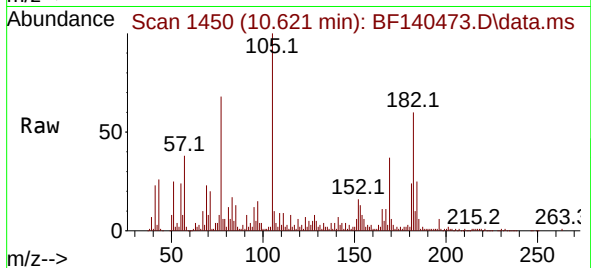
Ion Ratio Lower Upper

77 100

182 88.3 4.6 44.6#

105 147.4 0.9 40.9#

51 37.3 8.3 48.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

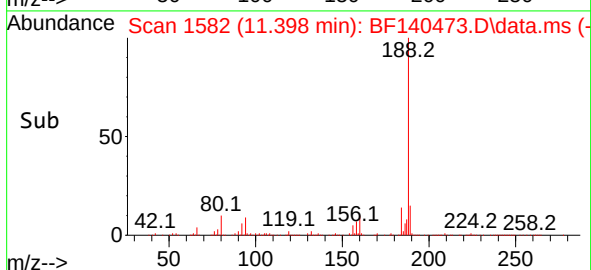
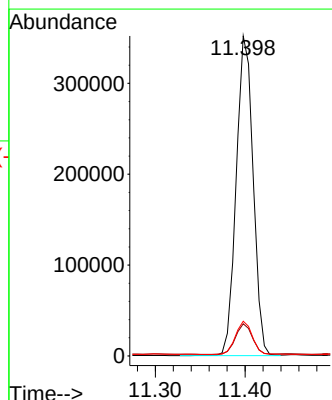
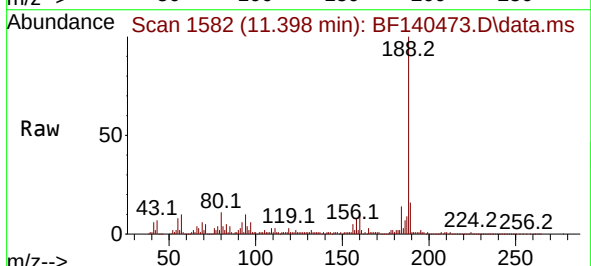
Tgt Ion: 188 Resp: 459414

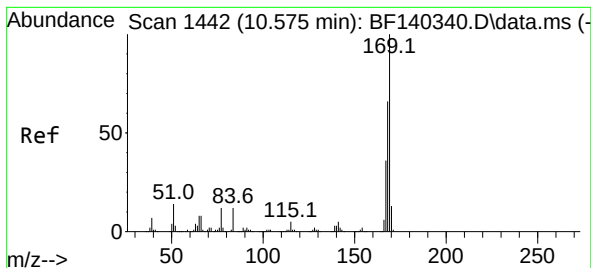
Ion Ratio Lower Upper

188 100

94 10.0 7.6 11.4

80 10.9 8.0 12.0





#66

n-Nitrosodiphenylamine

Concen: 4.190 ng

RT: 10.504 min Scan# 1442

Delta R.T. -0.071 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

Instrument :

BNA_F

ClientSampleId :

P-1

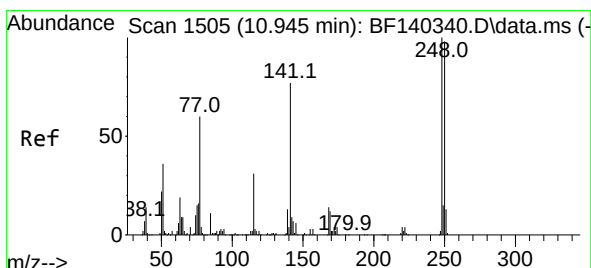
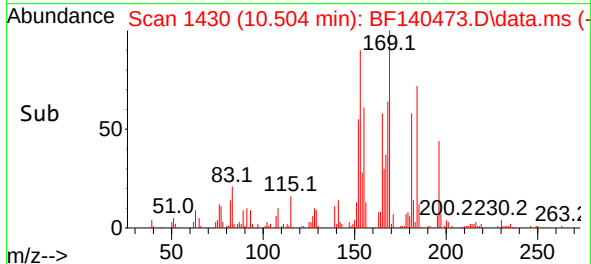
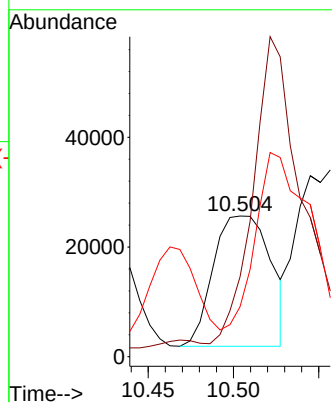
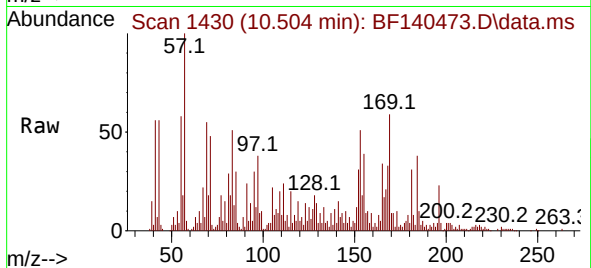
Tgt Ion:169 Resp: 55621

Ion Ratio Lower Upper

169 100

168 56.7 52.7 79.1

167 35.5 29.3 43.9



#67

4-Bromophenyl-phenylether

Concen: 3.271 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.241 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

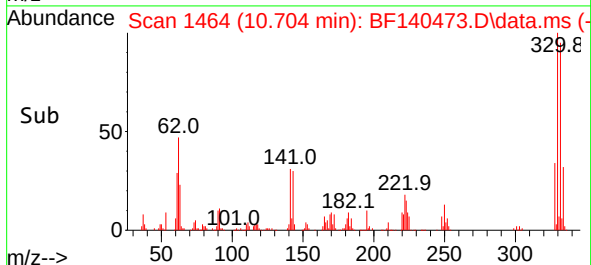
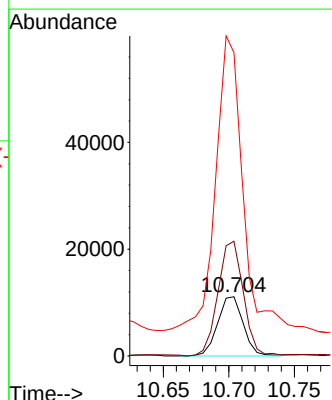
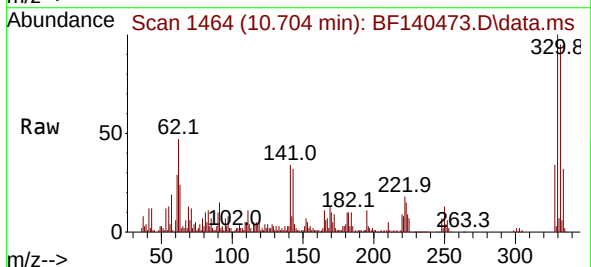
Tgt Ion:248 Resp: 15020

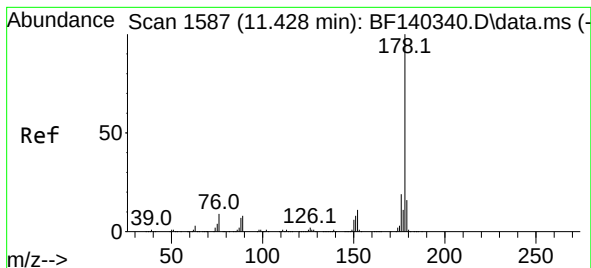
Ion Ratio Lower Upper

248 100

250 193.6 77.9 116.9#

141 512.3 61.8 92.6#





#71

Phenanthrene

Concen: 45.474 ng

RT: 11.427 min Scan# 1587

Delta R.T. -0.000 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

Instrument :

BNA_F

ClientSampleId :

P-1

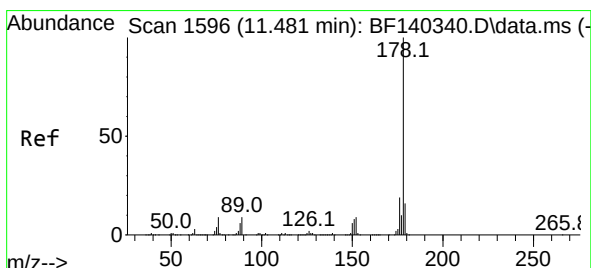
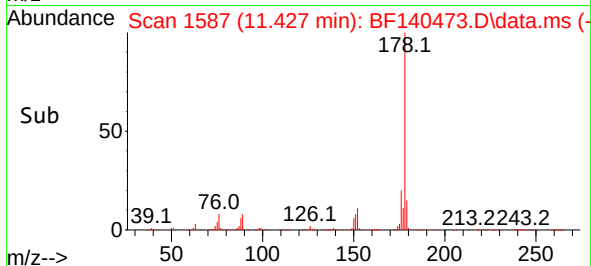
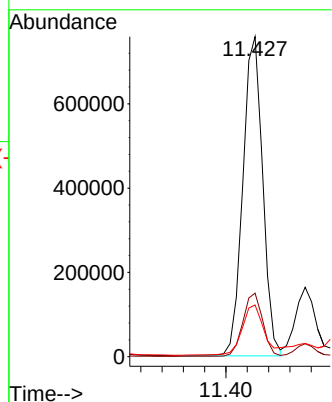
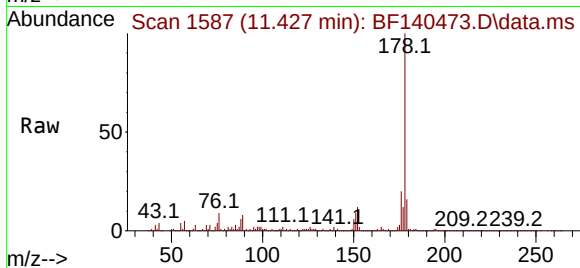
Tgt Ion:178 Resp: 981374

Ion Ratio Lower Upper

178 100

176 19.9 15.5 23.3

179 16.2 12.4 18.6



#72

Anthracene

Concen: 46.398 ng

RT: 11.427 min Scan# 1587

Delta R.T. -0.053 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

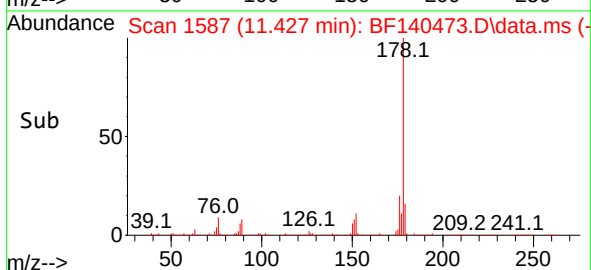
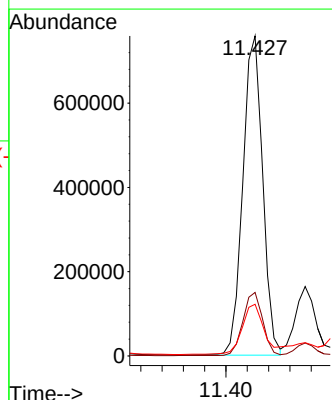
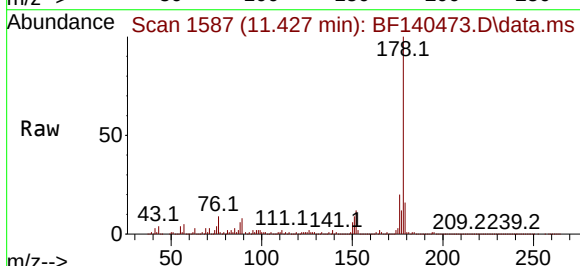
Tgt Ion:178 Resp: 981374

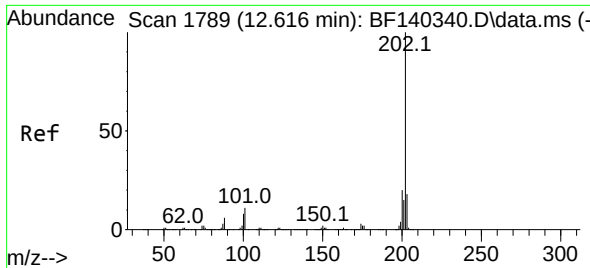
Ion Ratio Lower Upper

178 100

176 19.9 15.4 23.0

179 16.2 12.6 18.8

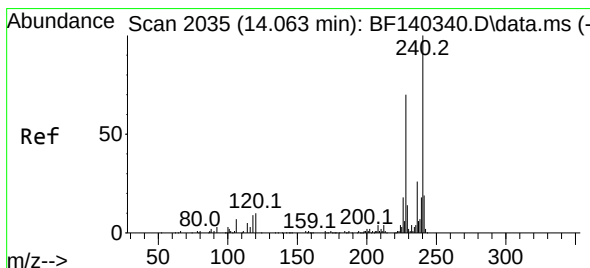
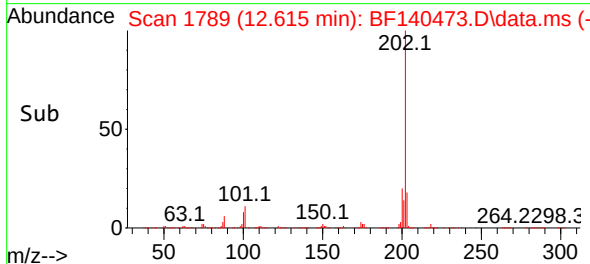
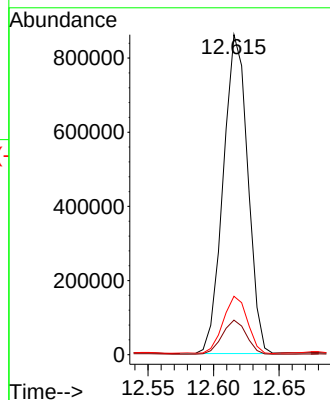
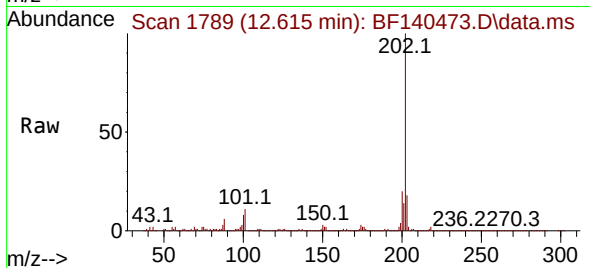




#75
Fluoranthene
Concen: 46.208 ng
RT: 12.615 min Scan# 111
Delta R.T. -0.000 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

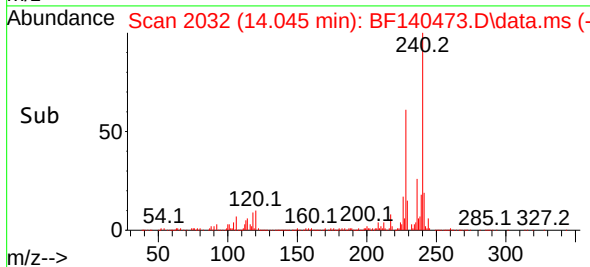
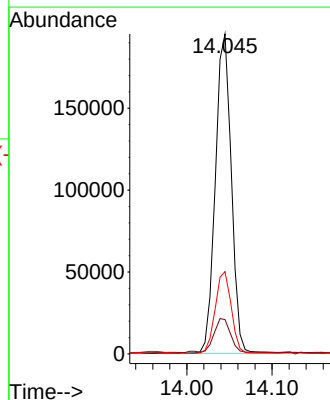
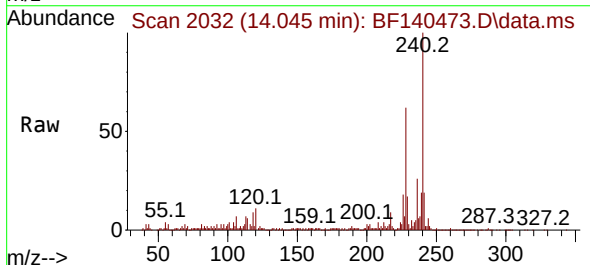
Instrument :
BNA_F
ClientSampleId :
P-1

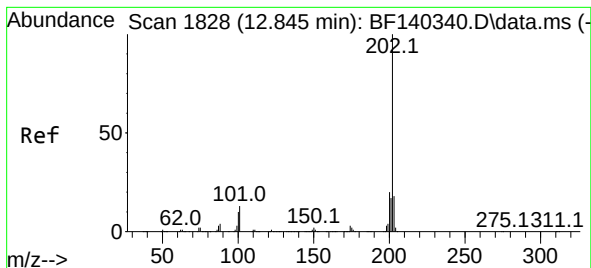
Tgt Ion:202 Resp: 1118801
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.7
203 18.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:240 Resp: 253688
Ion Ratio Lower Upper
240 100
120 10.7 8.8 13.2
236 25.8 20.9 31.3





#78

Pyrene

Concen: 41.882 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

Instrument :

BNA_F

ClientSampleId :

P-1

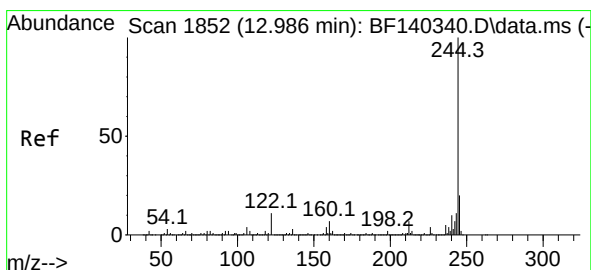
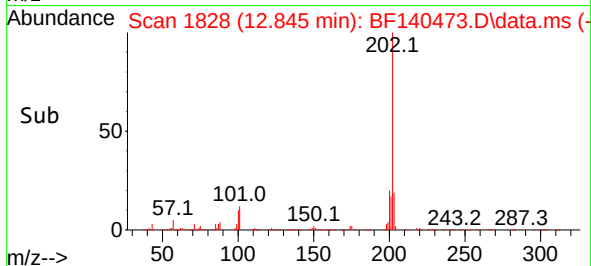
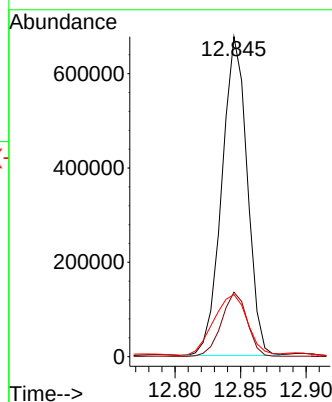
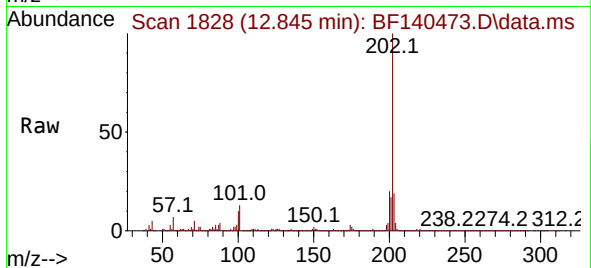
Tgt Ion:202 Resp: 908827

Ion Ratio Lower Upper

202 100

200 20.2 16.2 24.2

203 19.4 14.2 21.4



#79

Terphenyl-d14

Concen: 64.737 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.000 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

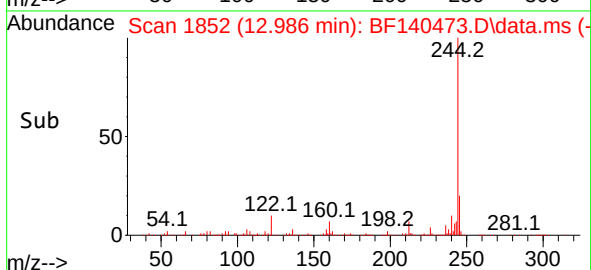
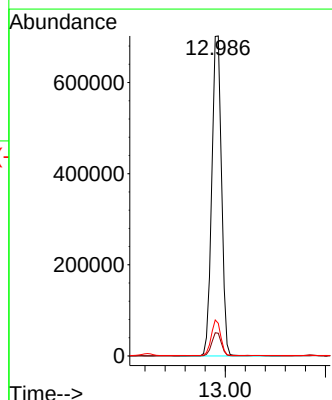
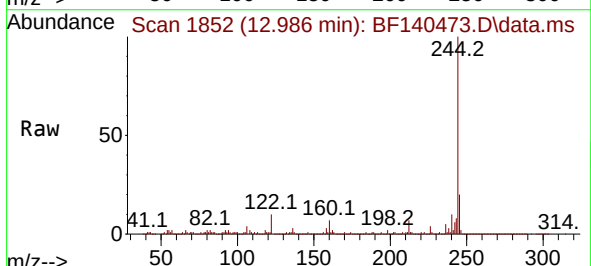
Tgt Ion:244 Resp: 946135

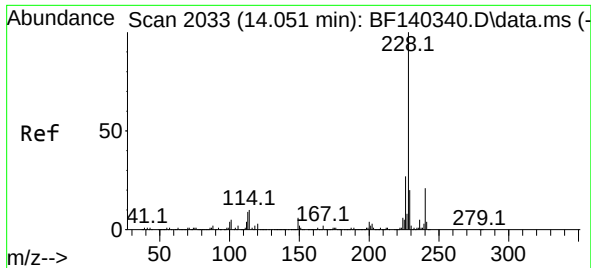
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 10.2 8.8 13.2

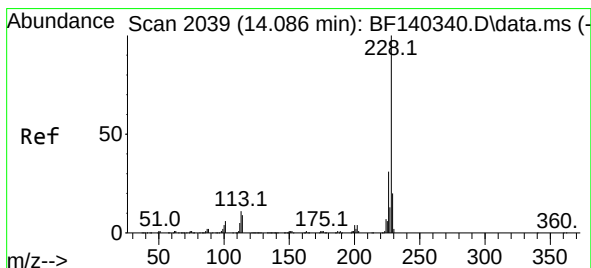
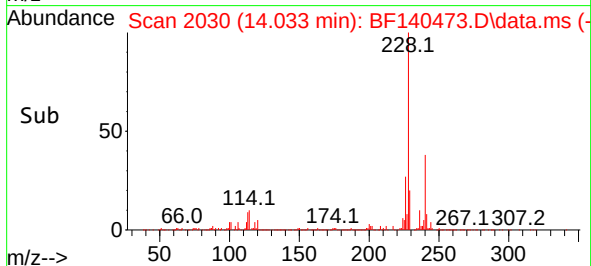
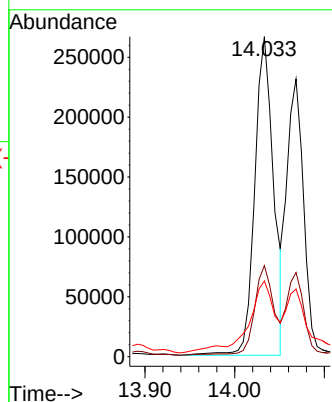
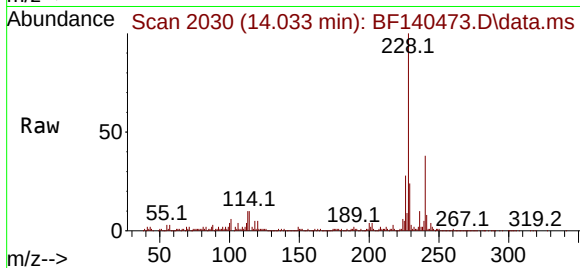




#81
Benzo(a)anthracene
Concen: 23.353 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

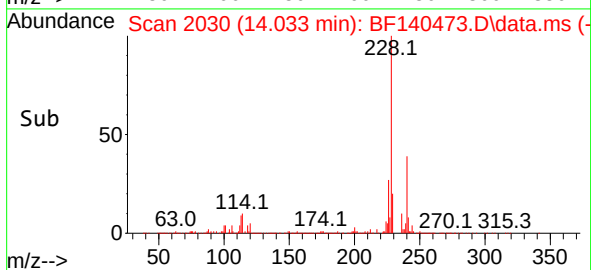
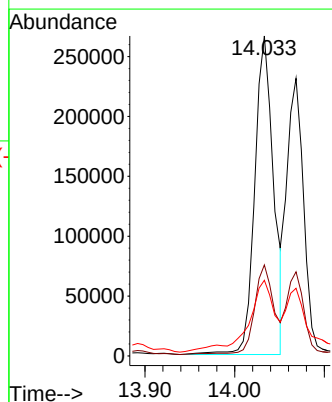
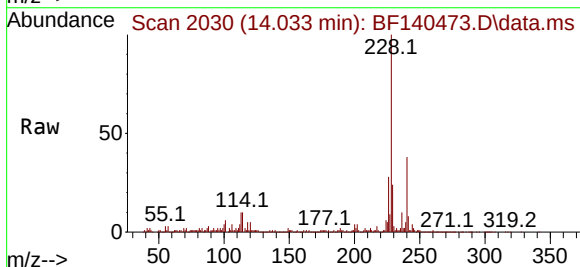
Instrument :
BNA_F
ClientSampleId :
P-1

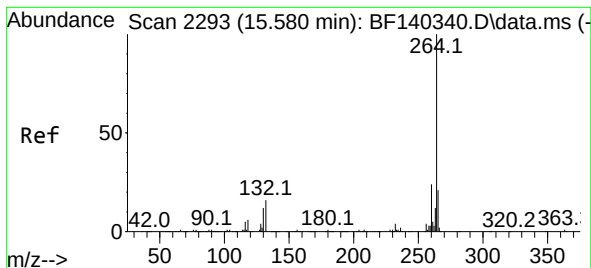
Tgt Ion:228 Resp: 389369
Ion Ratio Lower Upper
228 100
226 28.4 22.2 33.4
229 23.7 15.8 23.6#



#83
Chrysene
Concen: 25.595 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.047 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:228 Resp: 389369
Ion Ratio Lower Upper
228 100
226 28.4 24.5 36.7
229 23.7 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

Instrument :

BNA_F

ClientSampleId :

P-1

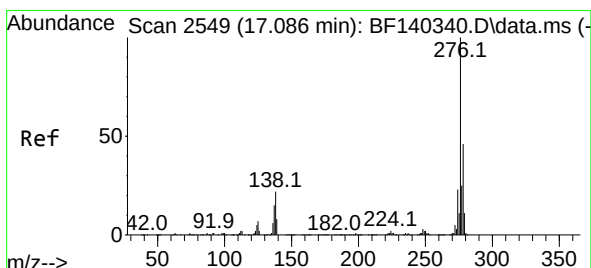
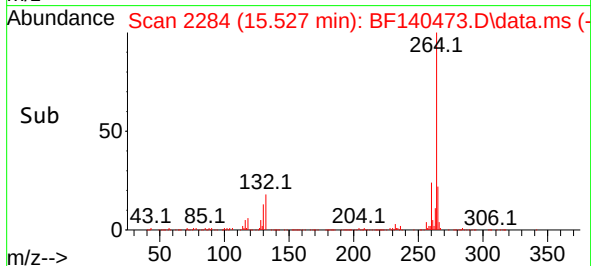
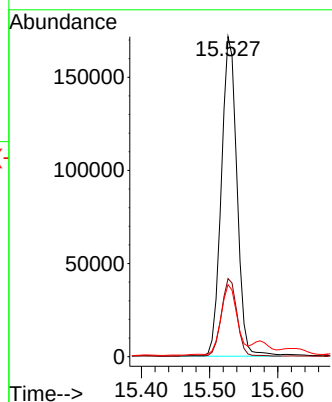
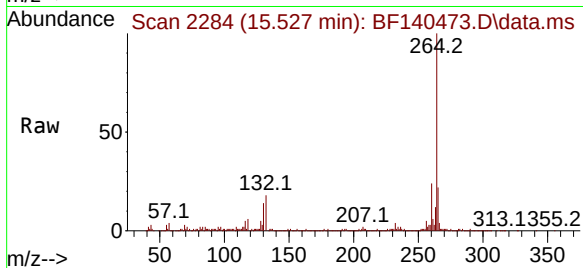
Tgt Ion:264 Resp: 274336

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 22.5 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.654 ng

RT: 17.021 min Scan# 2538

Delta R.T. -0.035 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

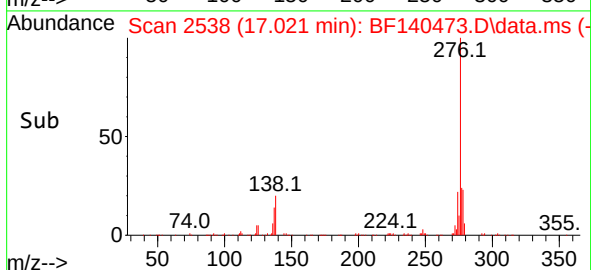
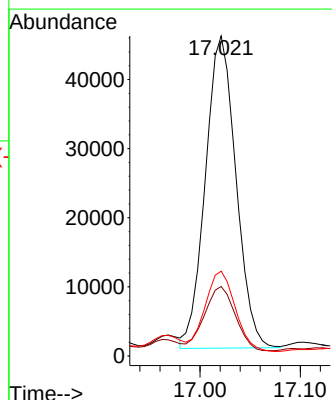
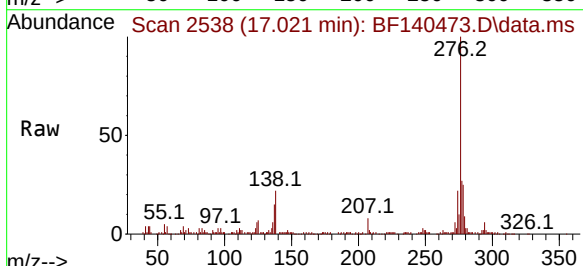
Tgt Ion:276 Resp: 95812

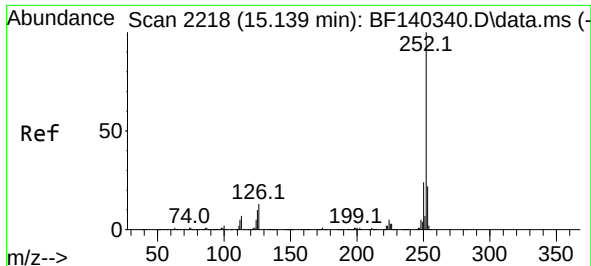
Ion Ratio Lower Upper

276 100

138 20.6 18.8 28.2

277 25.5 20.2 30.2

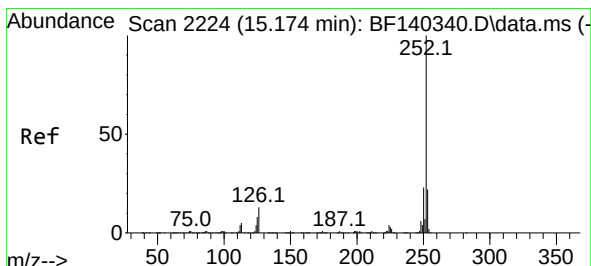
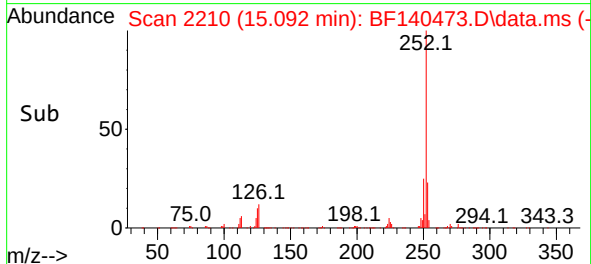
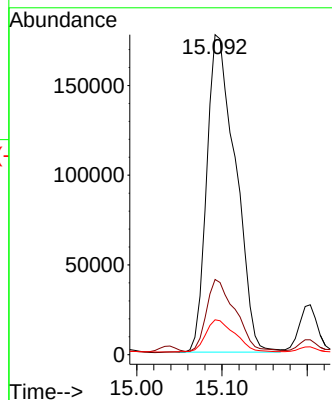
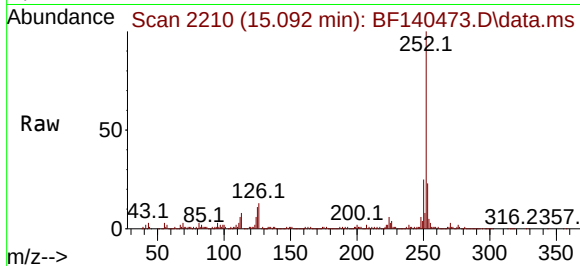




#88
Benzo(b)fluoranthene
Concen: 23.150 ng
RT: 15.092 min Scan# 2110
Delta R.T. -0.024 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

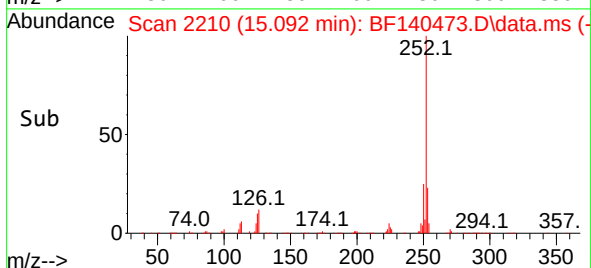
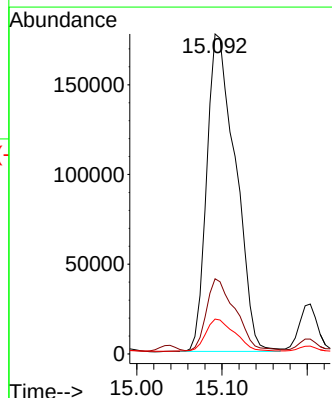
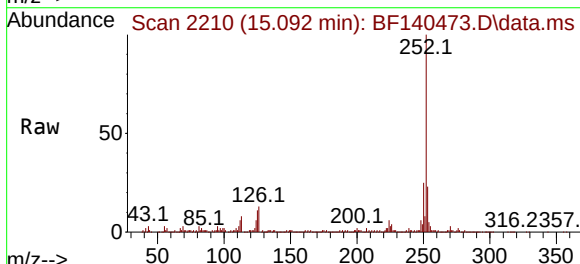
Instrument :
BNA_F
ClientSampleId :
P-1

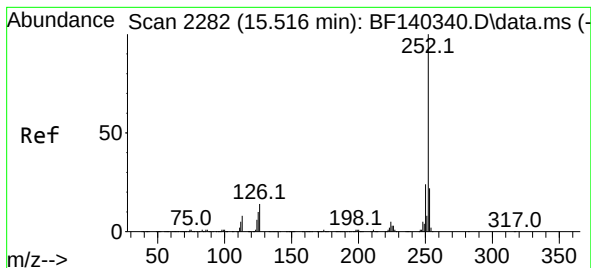
Tgt Ion:252 Resp: 415449
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.9 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 28.338 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.059 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:252 Resp: 415449
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 10.9 7.4 11.2





#90

Benzo(a)pyrene

Concen: 14.485 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

Instrument :

BNA_F

ClientSampleId :

P-1

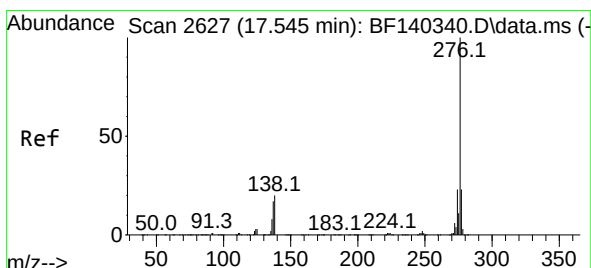
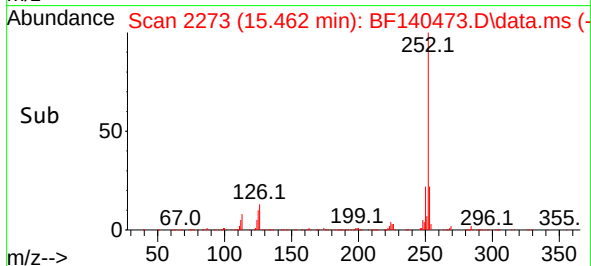
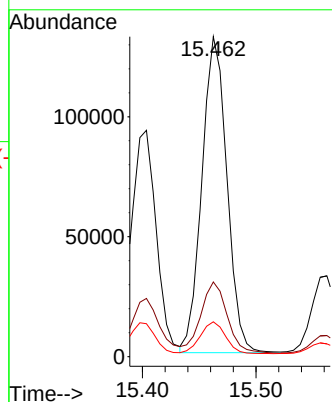
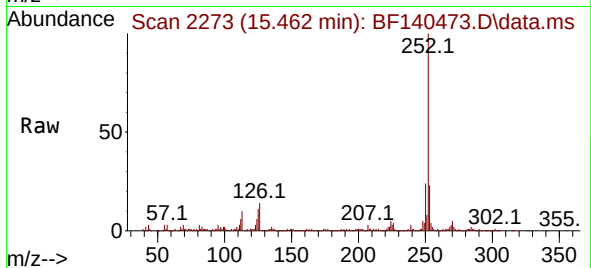
Tgt Ion:252 Resp: 201869

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 10.9 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 6.074 ng

RT: 17.474 min Scan# 2615

Delta R.T. -0.041 min

Lab File: BF140473.D

Acq: 19 Nov 2024 15:06

Tgt Ion:276 Resp: 86981

Ion Ratio Lower Upper

276 100

277 24.9 18.6 28.0

138 22.0 16.0 24.0

