

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121024\
 Data File : BF140799.D
 Acq On : 10 Dec 2024 11:55
 Operator : RC/JU
 Sample : P5174-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-COMP

Quant Time: Dec 10 19:51:57 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	6.863	152	68334	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	237345	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	114671	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	177820	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	157386	20.000	ng	0.00
86) Perylene-d12	15.539	264	166493	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	467564	116.745	ng	0.00
7) Phenol-d6	6.504	99	608422	114.911	ng	-0.01
23) Nitrobenzene-d5	7.428	82	380809	82.068	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	123211	100.464	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	637955	82.891	ng	-0.02
79) Terphenyl-d14	12.974	244	502584	49.724	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.522	94	12277	2.270	ng	# 70
18) Hexachloroethane	7.392	117	5365	2.930	ng	# 1
25) Isophorone	7.428	82	377507	48.777	ng	# 66
32) Benzoic acid	7.928	122	467	7.371	ng	# 38
35) Caprolactam	8.557	113	7626	7.313	ng	# 5
37) 2-Methylnaphthalene	8.857	142	38474	4.955	ng	99
38) 1-Methylnaphthalene	8.957	142	28342	3.724	ng	95
52) Acenaphthene	9.933	154	12829	2.060	ng	# 75
54) 2,4-Dinitrophenol	10.110	184	315	8.143	ng	# 1
56) 4-Nitrophenol	10.004	139	6299	5.513	ng	# 57
58) Fluorene	10.451	166	20819	2.730	ng	# 85
63) Azobenzene	10.610	77	27283	3.755	ng	# 1
66) n-Nitrosodiphenylamine	10.557	169	44420	8.447	ng	# 48
71) Phenanthrene	11.416	178	201466	23.570	ng	98
72) Anthracene	11.416	178	201466	24.095	ng	99
75) Fluoranthene	12.610	202	378847	40.822	ng	99
78) Pyrene	12.839	202	349145	23.992	ng	99
81) Benzo(a)anthracene	14.033	228	192775	18.503	ng	97
83) Chrysene	14.068	228	149709	15.715	ng	98
87) Indeno(1,2,3-cd)pyrene	17.057	276	62580	5.768	ng	98
88) Benzo(b)fluoranthene	15.104	252	282328	26.997	ng	# 98
89) Benzo(k)fluoranthene	15.104	252	282328	30.851	ng	# 97
90) Benzo(a)pyrene	15.480	252	146493	17.229	ng	# 96
92) Benzo(g,h,i)perylene	17.515	276	60586	6.682	ng	97

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

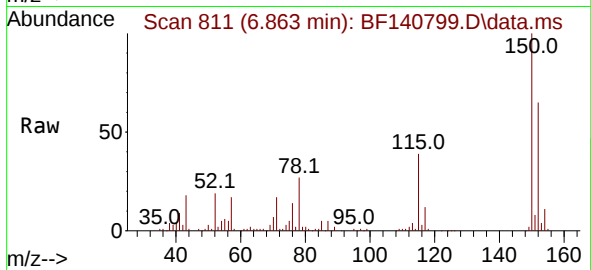
Quant Time: Dec 10 19:51:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
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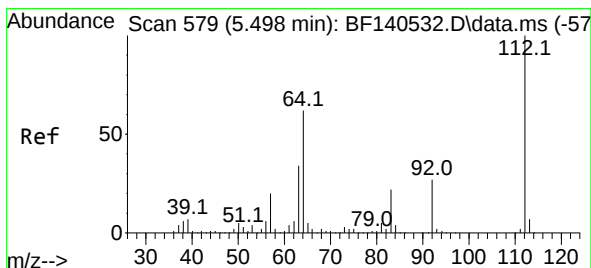
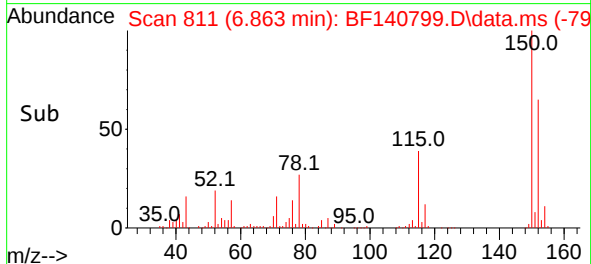
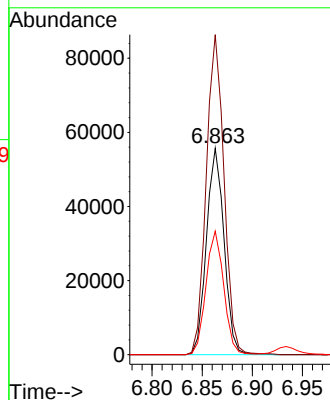


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-COMP

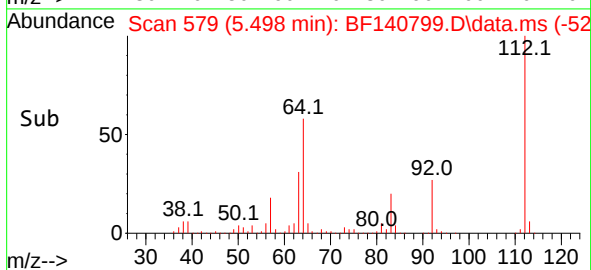
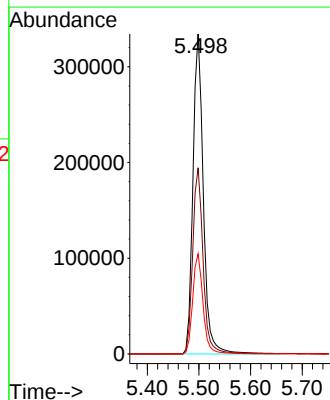
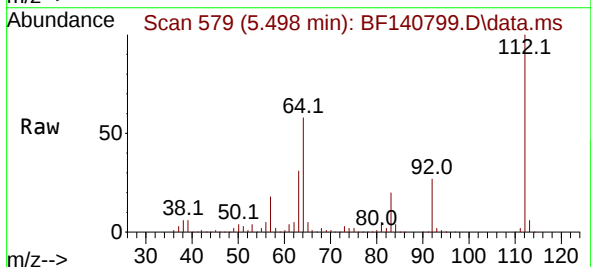


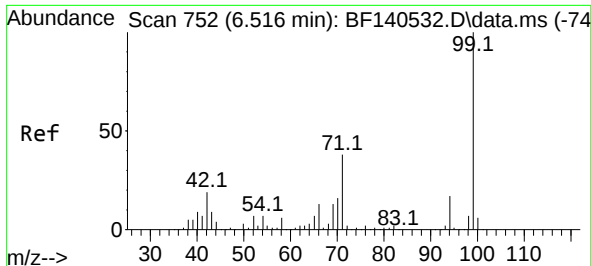
Tgt Ion:152 Resp: 68334
Ion Ratio Lower Upper
152 100
150 155.0 128.5 192.7
115 59.8 50.2 75.4



#5
2-Fluorophenol
Concen: 116.745 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

Tgt Ion:112 Resp: 467564
Ion Ratio Lower Upper
112 100
64 58.2 49.2 73.8
63 31.3 27.0 40.4

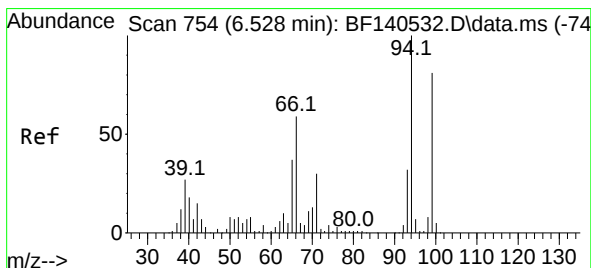
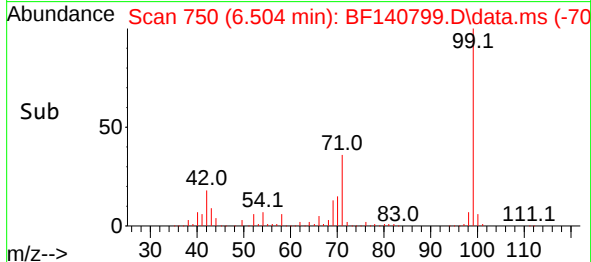
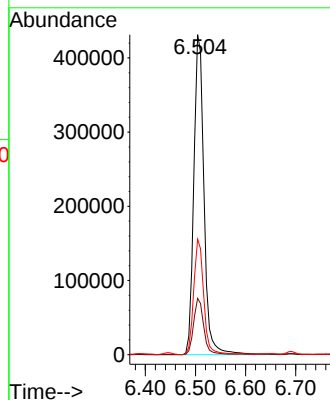
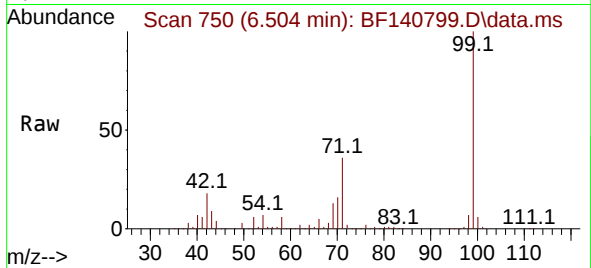




#7
Phenol-d6
Concen: 114.911 ng
RT: 6.504 min Scan# 711
Delta R.T. -0.012 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

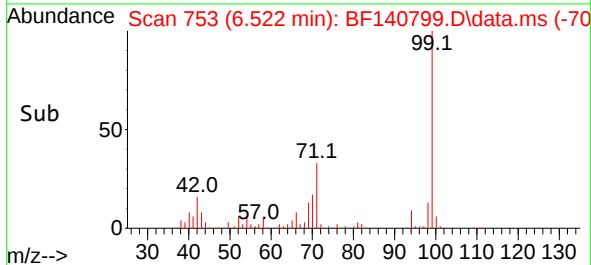
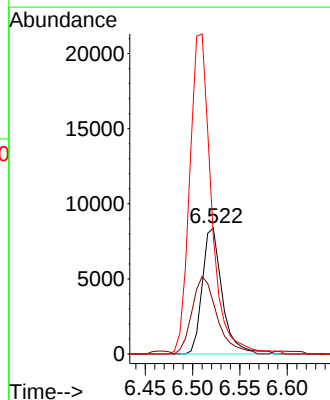
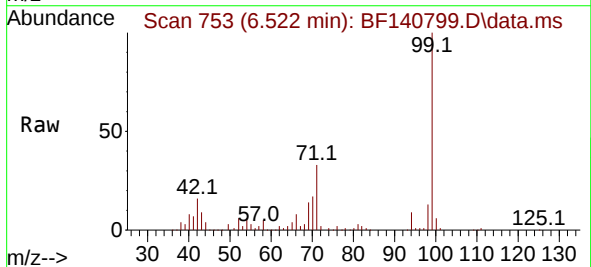
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-COMP

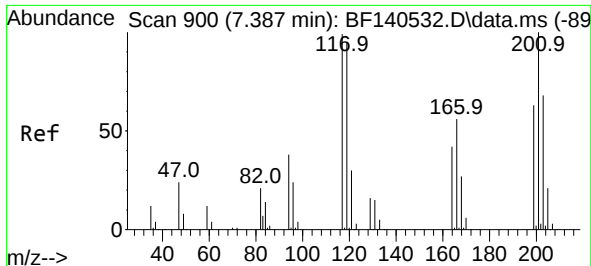
Tgt Ion: 99 Resp: 608422
Ion Ratio Lower Upper
99 100
42 17.6 15.4 23.0
71 36.1 30.6 46.0



#10
Phenol
Concen: 2.270 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

Tgt Ion: 94 Resp: 12277
Ion Ratio Lower Upper
94 100
65 40.8 17.2 57.2
66 93.5 39.2 79.2#

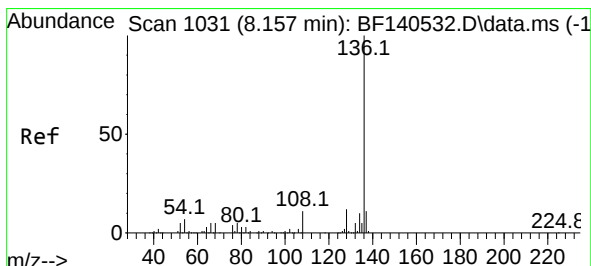
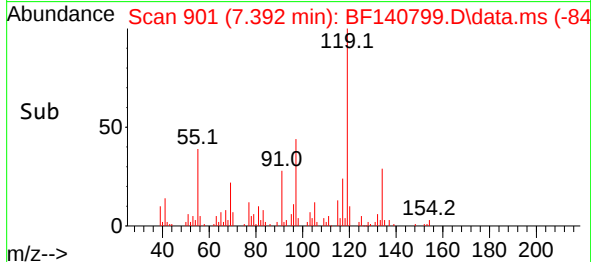
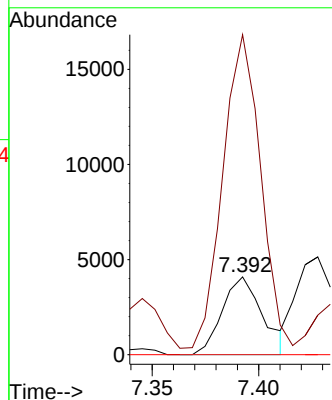
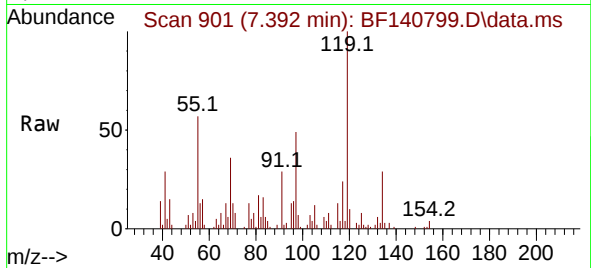




#18
Hexachloroethane
Concen: 2.930 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

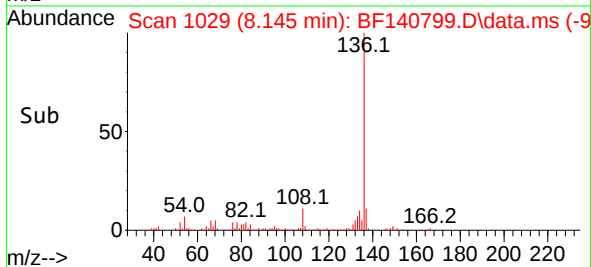
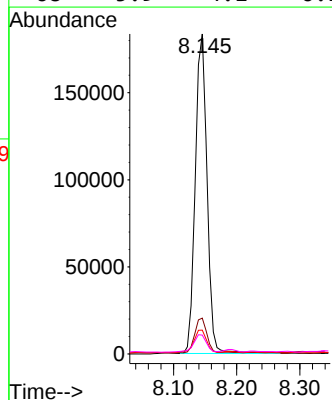
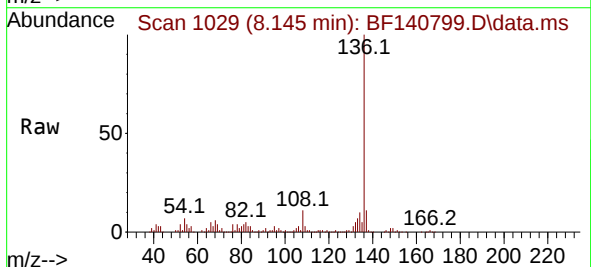
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-COMP

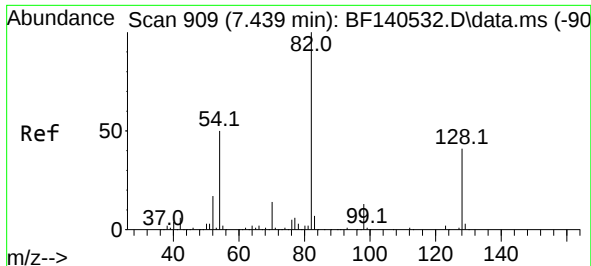
Tgt Ion:117 Resp: 5365
Ion Ratio Lower Upper
117 100
119 411.2 77.1 115.7#
201 0.0 81.1 121.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

Tgt Ion:136 Resp: 237345
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 7.4 5.8 8.8
68 5.9 4.1 6.1

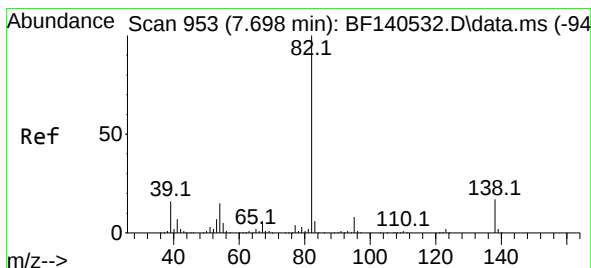
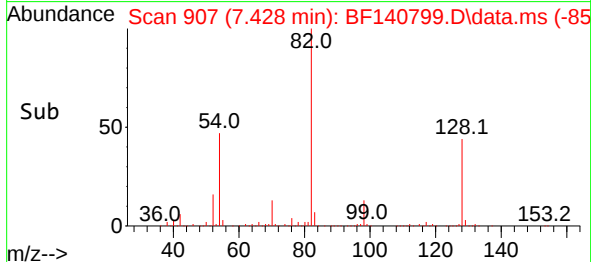
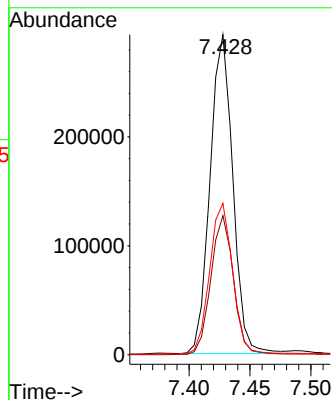
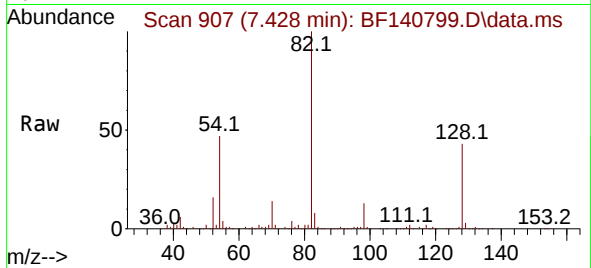




#23
Nitrobenzene-d5
Concen: 82.068 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

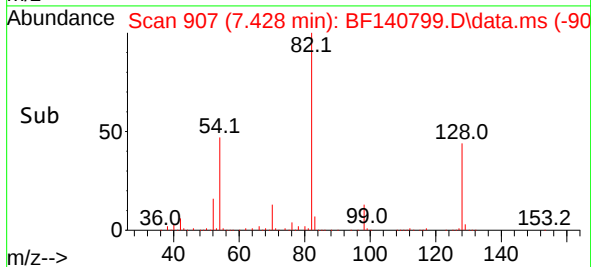
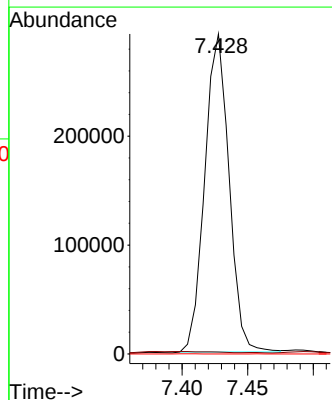
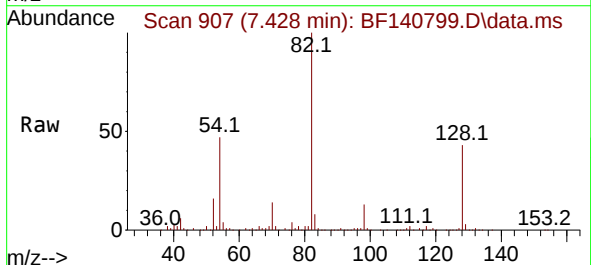
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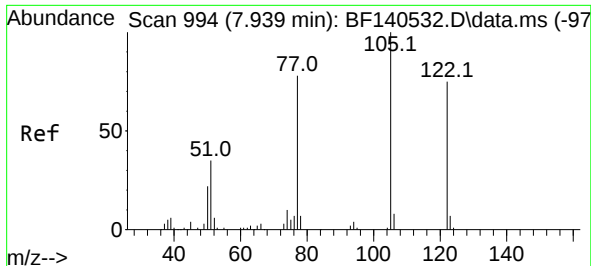
Tgt Ion: 82 Resp: 380809
Ion Ratio Lower Upper
82 100
128 43.4 33.0 49.4
54 47.3 39.5 59.3



#25
Isophorone
Concen: 48.777 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.271 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

Tgt Ion: 82 Resp: 377507
Ion Ratio Lower Upper
82 100
95 0.6 6.4 9.6#
138 0.0 13.8 20.6#

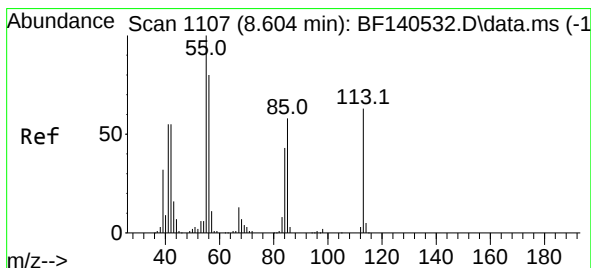
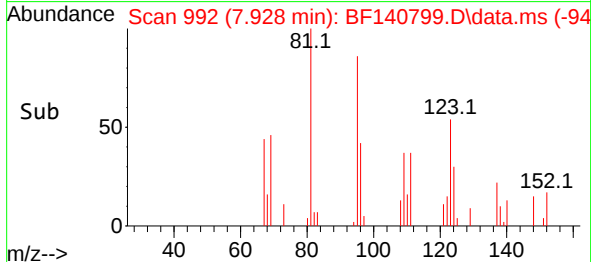
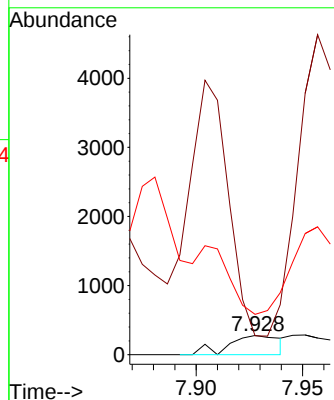
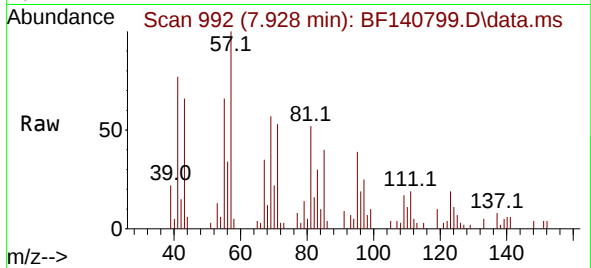




#32
Benzoic acid
Concen: 7.371 ng
RT: 7.928 min Scan# 994
Delta R.T. -0.011 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

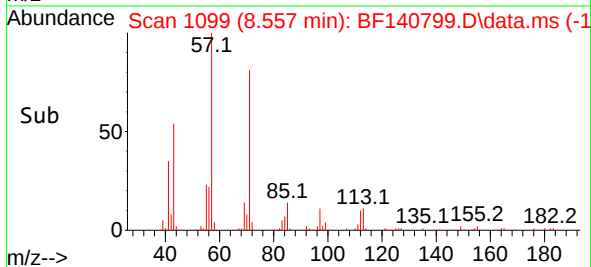
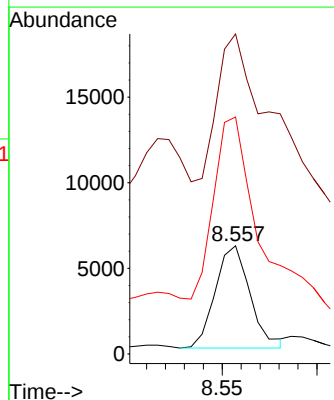
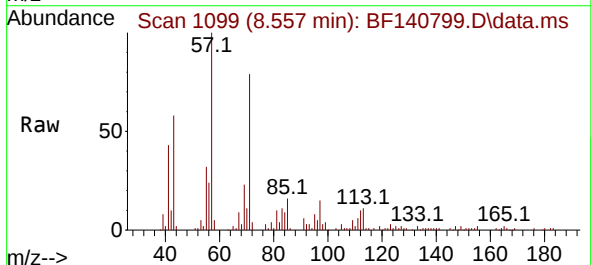
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-COMP

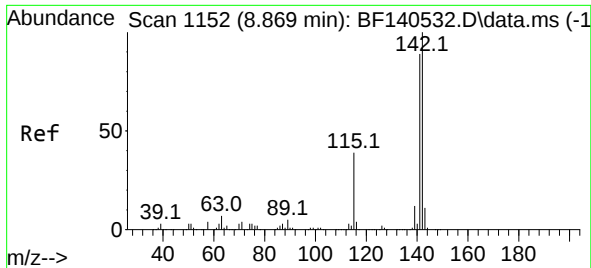
Tgt Ion:122 Resp: 467
Ion Ratio Lower Upper
122 100
105 98.2 109.3 149.3#
77 209.7 82.3 122.3#



#35
Caprolactam
Concen: 7.313 ng
RT: 8.557 min Scan# 1099
Delta R.T. -0.047 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

Tgt Ion:113 Resp: 7626
Ion Ratio Lower Upper
113 100
55 295.8 137.7 177.7#
56 219.0 106.4 146.4#

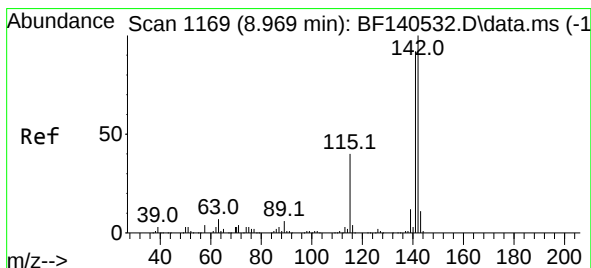
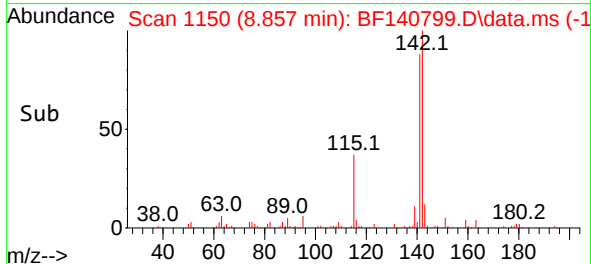
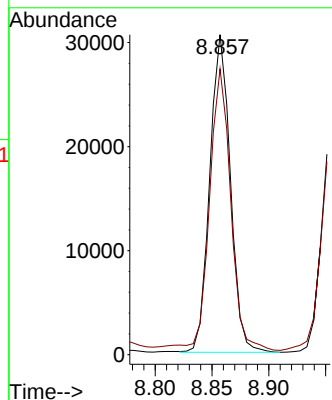
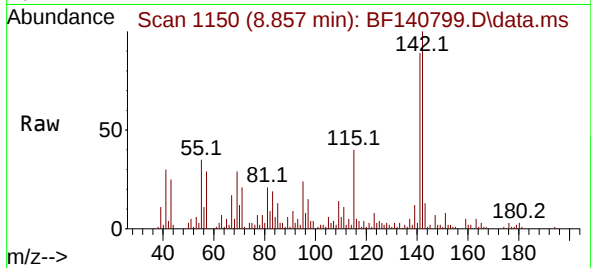




#37
2-Methylnaphthalene
Concen: 4.955 ng
RT: 8.857 min Scan# 1150
Delta R.T. -0.012 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

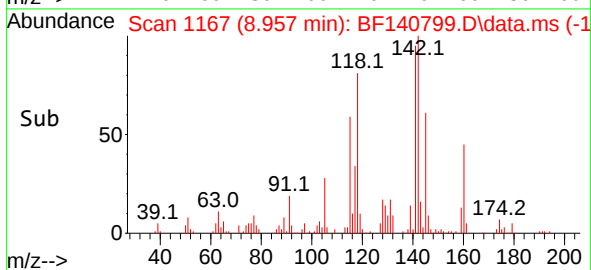
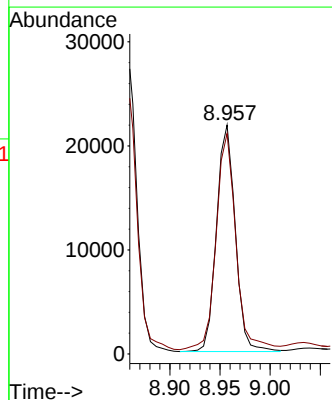
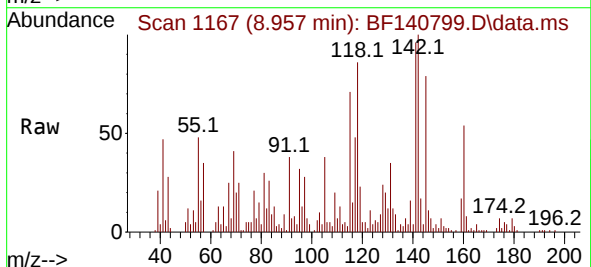
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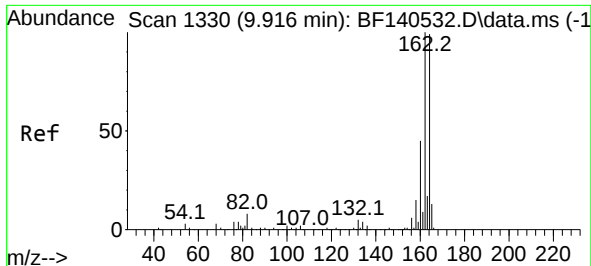
Tgt Ion:142 Resp: 38474
Ion Ratio Lower Upper
142 100
141 89.4 71.0 106.6



#38
1-Methylnaphthalene
Concen: 3.724 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

Tgt Ion:142 Resp: 28342
Ion Ratio Lower Upper
142 100
141 96.3 73.3 109.9

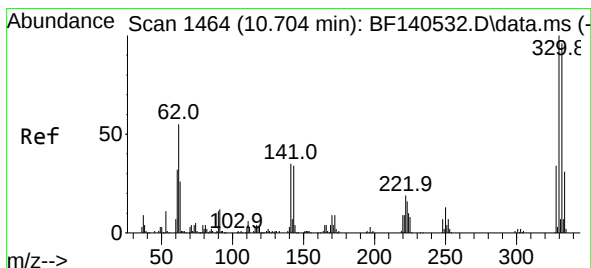
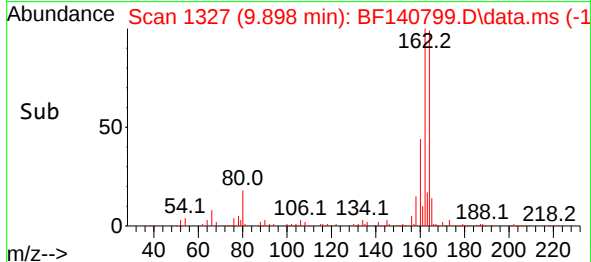
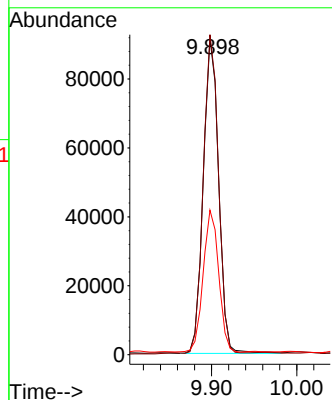
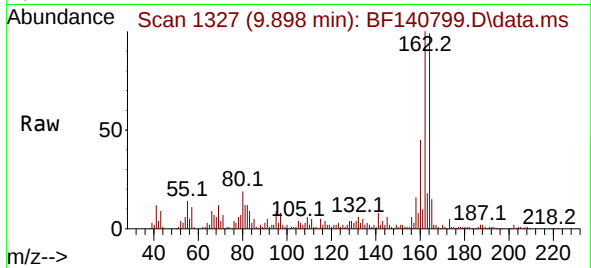




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

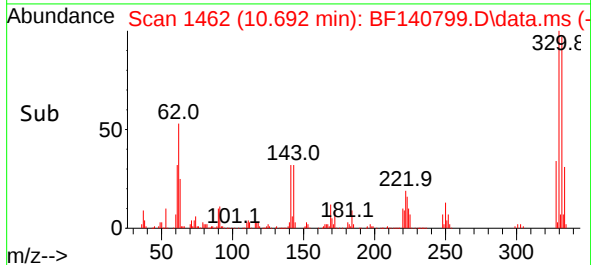
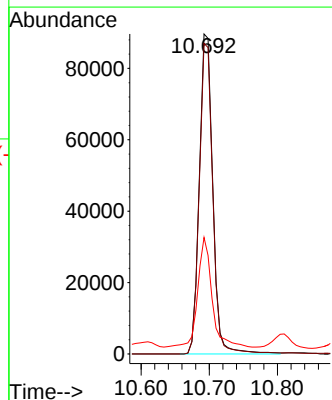
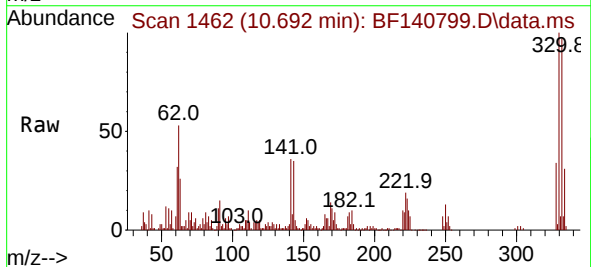
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-COMP

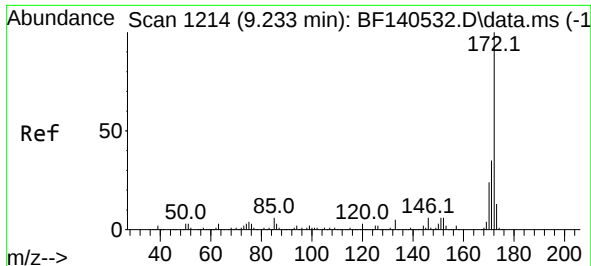
Tgt Ion:164 Resp: 114671
Ion Ratio Lower Upper
164 100
162 101.2 80.6 120.8
160 45.7 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 100.464 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

Tgt Ion:330 Resp: 123211
Ion Ratio Lower Upper
330 100
332 96.8 76.9 115.3
141 35.9 26.7 40.1





#45

2-Fluorobiphenyl

Concen: 82.891 ng

RT: 9.216 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF140799.D

Acq: 10 Dec 2024 11:55

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-COMP

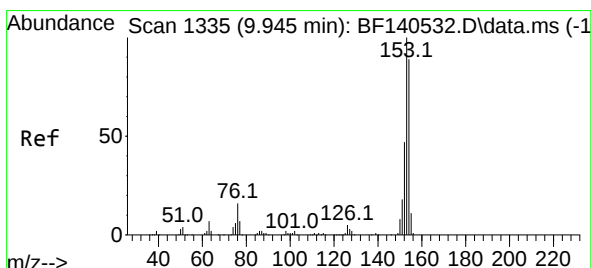
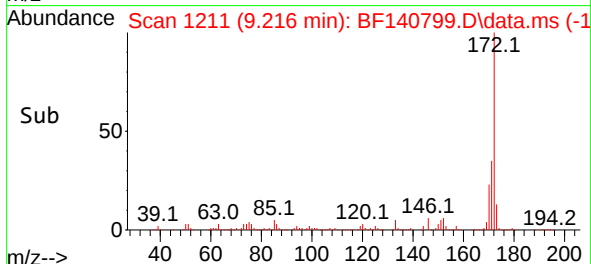
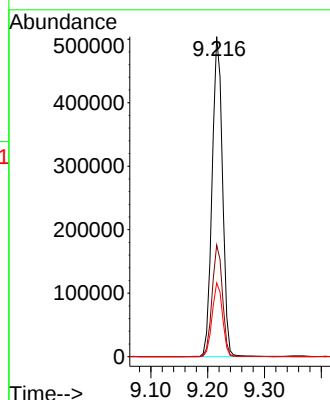
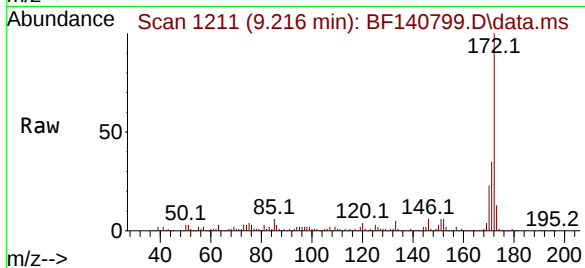
Tgt Ion:172 Resp: 637955

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.1 19.0 28.6



#52

Acenaphthene

Concen: 2.060 ng

RT: 9.933 min Scan# 1333

Delta R.T. -0.012 min

Lab File: BF140799.D

Acq: 10 Dec 2024 11:55

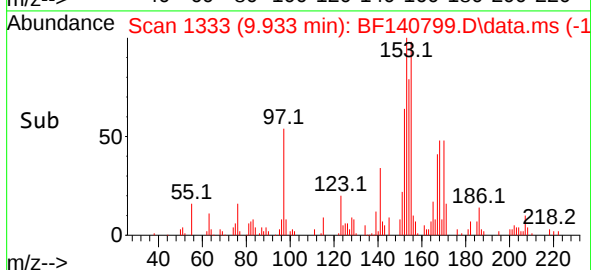
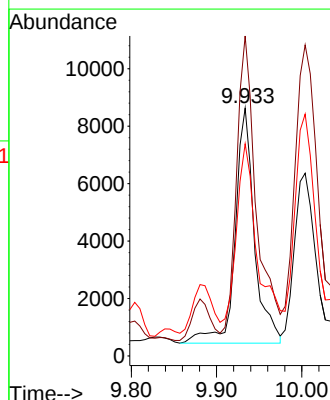
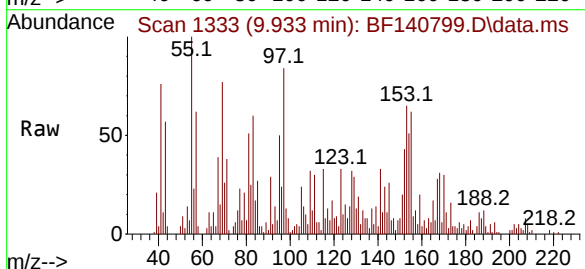
Tgt Ion:154 Resp: 12829

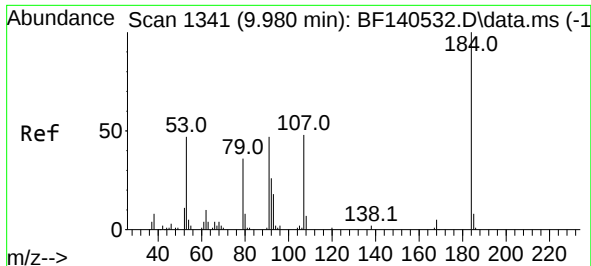
Ion Ratio Lower Upper

154 100

153 129.1 89.7 134.5

152 85.6 42.5 63.7#

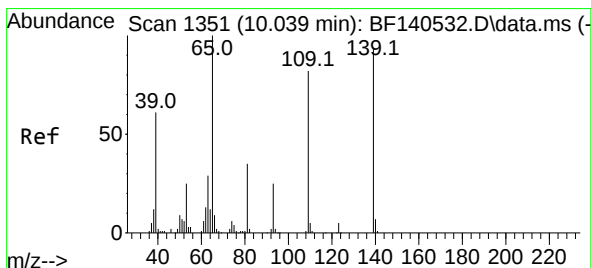
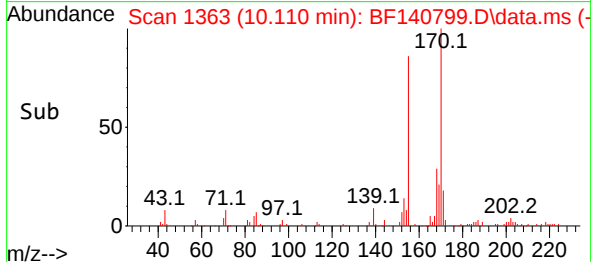
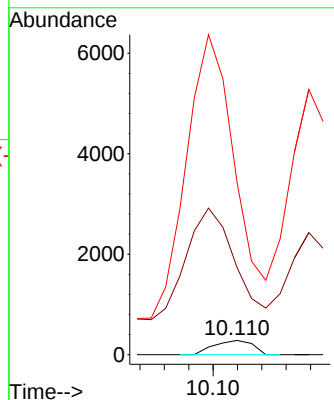
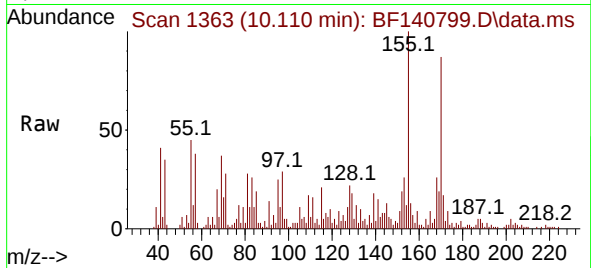




#54
2,4-Dinitrophenol
Concen: 8.143 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.130 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

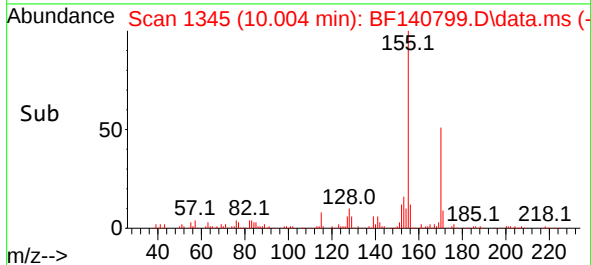
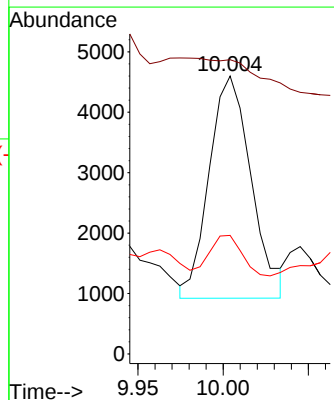
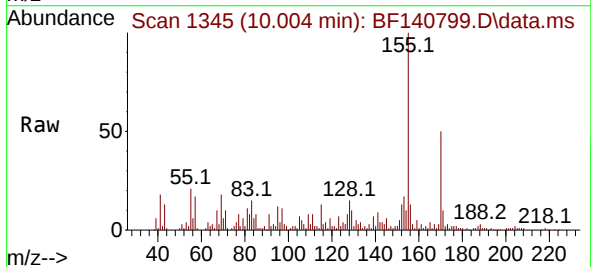
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-COMP

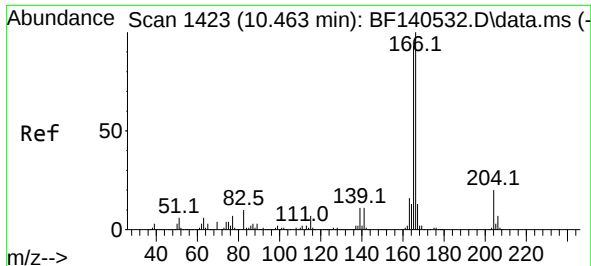
Tgt Ion:184 Resp: 315
Ion Ratio Lower Upper
184 100
63 606.3 54.1 81.1#
154 1198.6 57.4 86.0#



#56
4-Nitrophenol
Concen: 5.513 ng
RT: 10.004 min Scan# 1345
Delta R.T. -0.035 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

Tgt Ion:139 Resp: 6299
Ion Ratio Lower Upper
139 100
109 105.9 68.4 108.4
65 42.7 88.6 128.6#

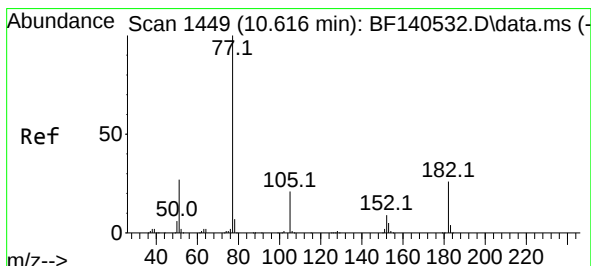
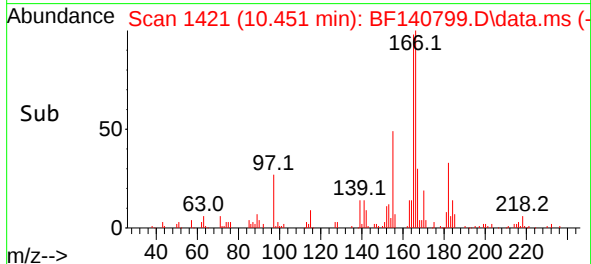
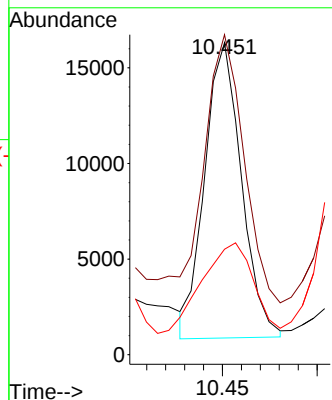
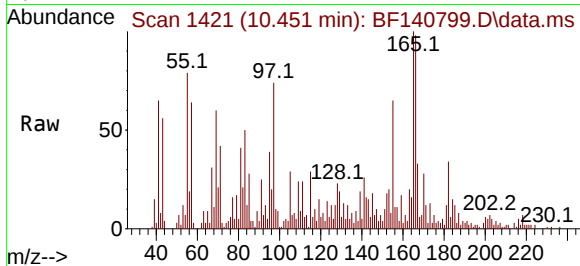




#58
Fluorene
Concen: 2.730 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

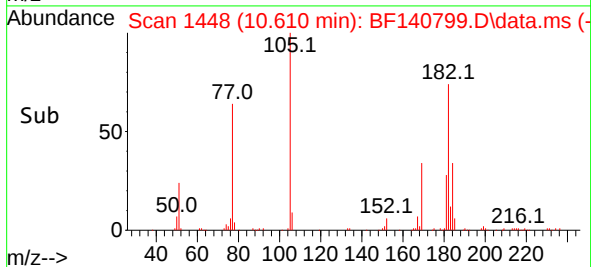
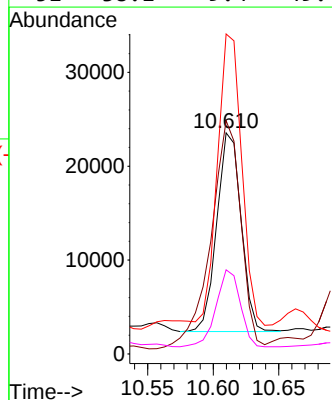
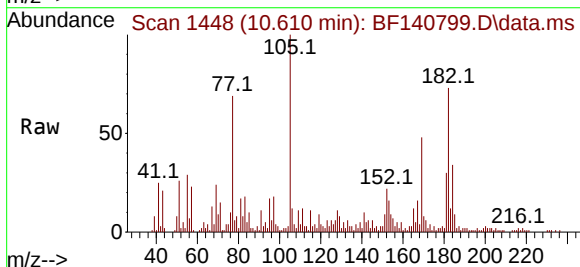
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-COMP

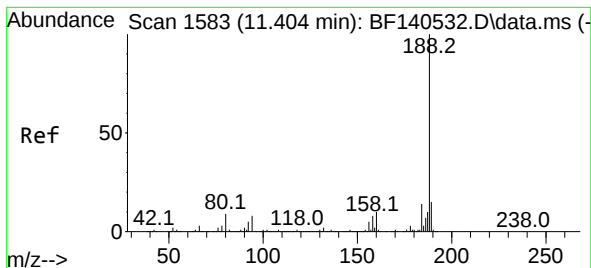
Tgt Ion:166 Resp: 20819
Ion Ratio Lower Upper
166 100
165 102.5 74.6 111.8
167 33.8 10.6 16.0#



#63
Azobenzene
Concen: 3.755 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

Tgt Ion: 77 Resp: 27283
Ion Ratio Lower Upper
77 100
182 105.5 5.3 45.3#
105 144.7 0.3 40.3#
51 38.1 9.4 49.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140799.D

Acq: 10 Dec 2024 11:55

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-COMP

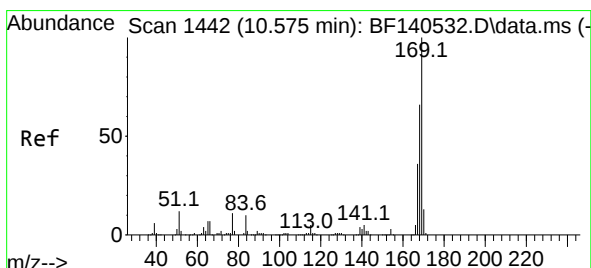
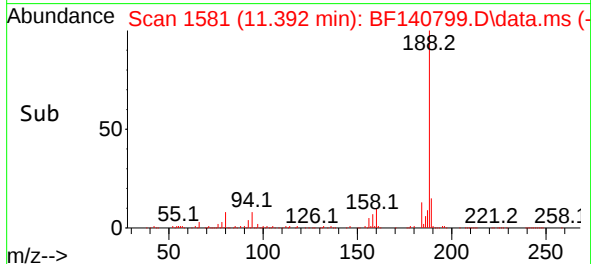
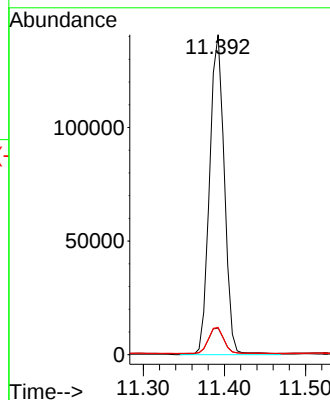
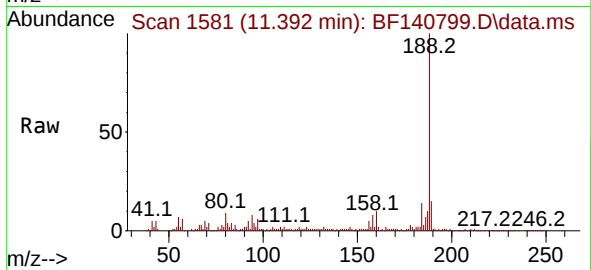
Tgt Ion:188 Resp: 177820

Ion Ratio Lower Upper

188 100

94 8.3 6.4 9.6

80 8.6 6.9 10.3



#66

n-Nitrosodiphenylamine

Concen: 8.447 ng

RT: 10.557 min Scan# 1439

Delta R.T. -0.018 min

Lab File: BF140799.D

Acq: 10 Dec 2024 11:55

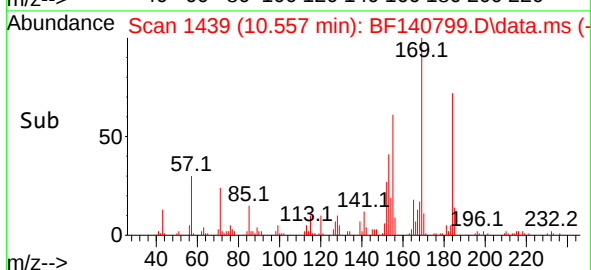
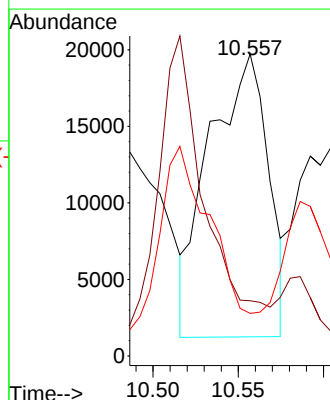
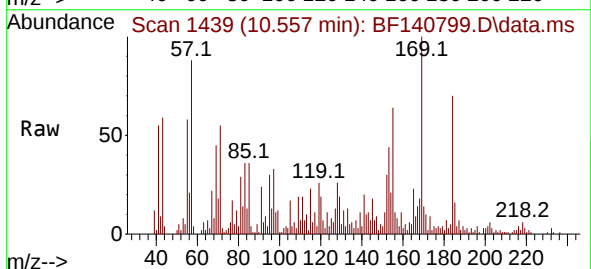
Tgt Ion:169 Resp: 44420

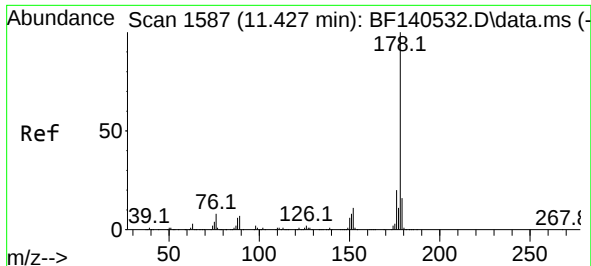
Ion Ratio Lower Upper

169 100

168 18.3 53.2 79.8#

167 14.1 29.0 43.6#

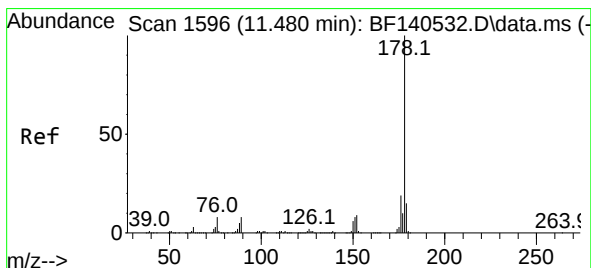
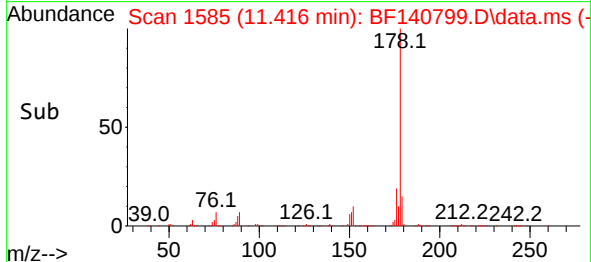
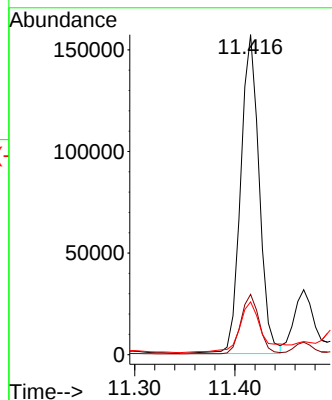
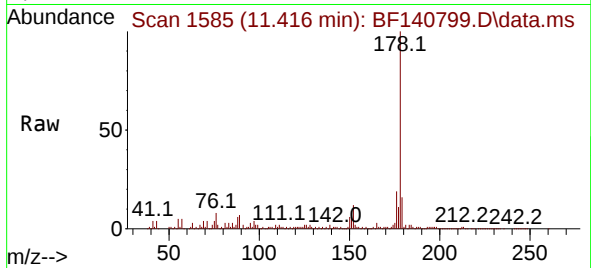




#71
Phenanthrene
Concen: 23.570 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

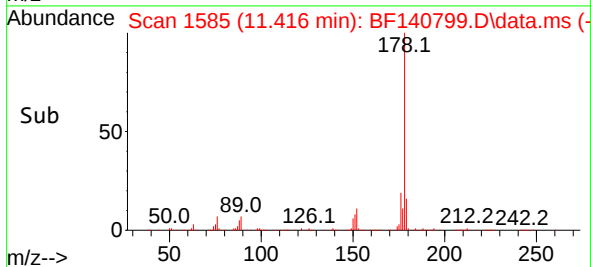
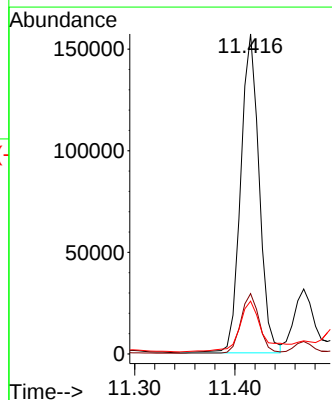
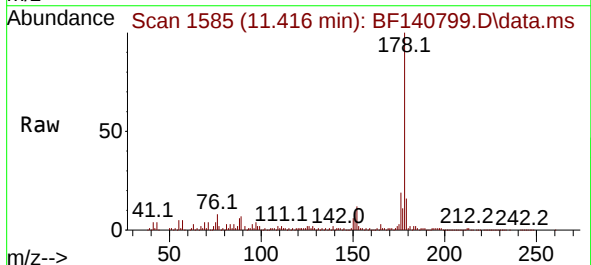
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-COMP

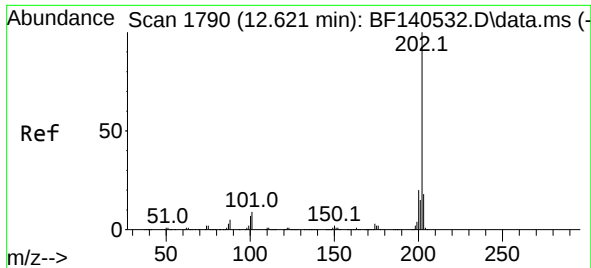
Tgt Ion:178 Resp: 201466
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 16.5 12.4 18.6



#72
Anthracene
Concen: 24.095 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.065 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

Tgt Ion:178 Resp: 201466
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 16.5 12.2 18.4

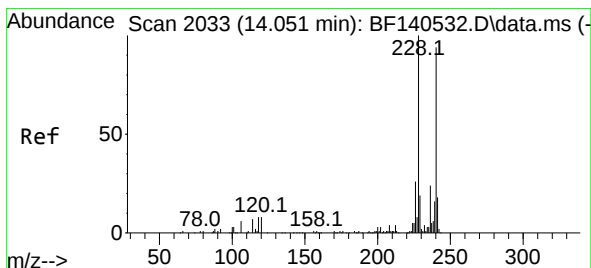
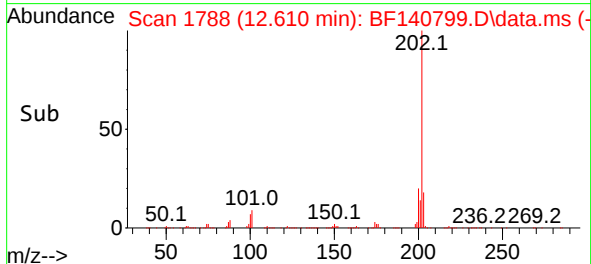
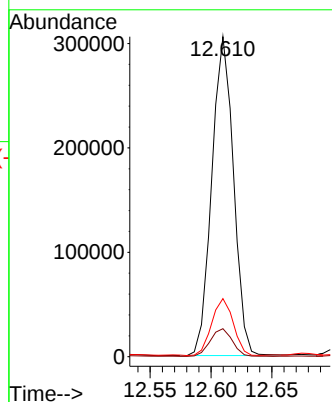
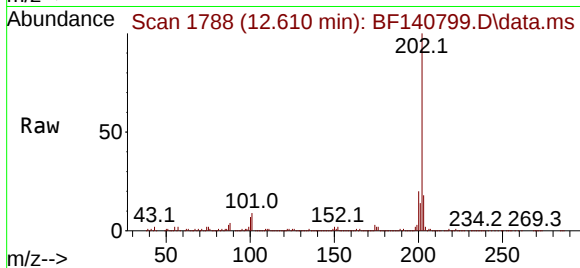




#75
Fluoranthene
Concen: 40.822 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.012 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

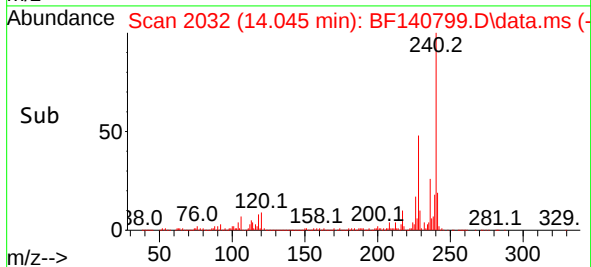
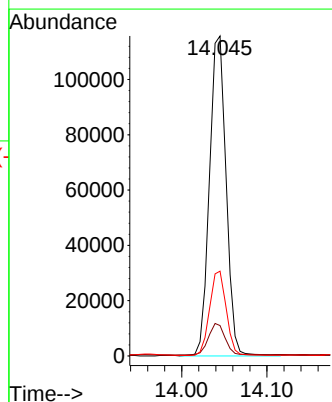
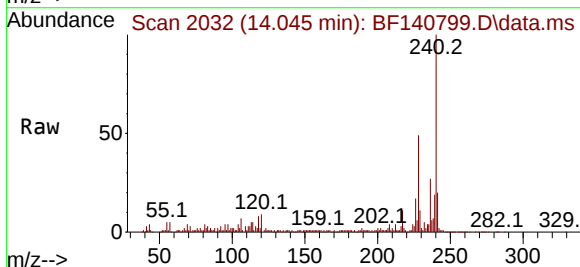
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-COMP

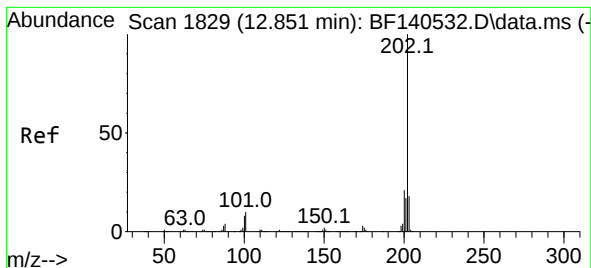
Tgt Ion:202 Resp: 378847
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.9
203 18.2 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

Tgt Ion:240 Resp: 157386
Ion Ratio Lower Upper
240 100
120 9.5 7.3 10.9
236 26.5 20.6 31.0





#78

Pyrene

Concen: 23.992 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.012 min

Lab File: BF140799.D

Acq: 10 Dec 2024 11:55

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-COMP

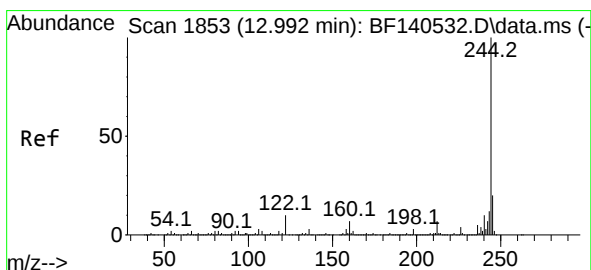
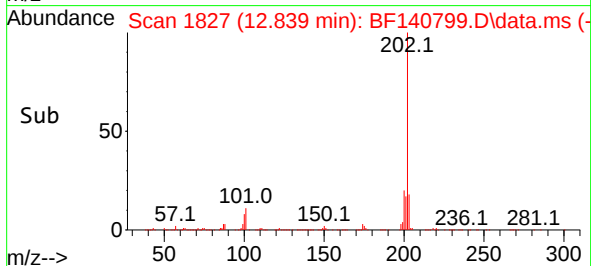
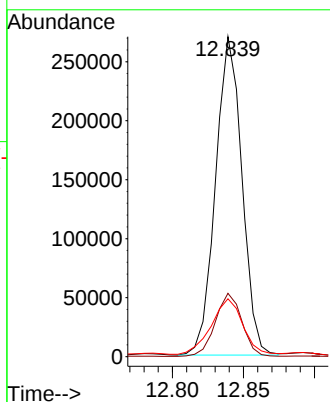
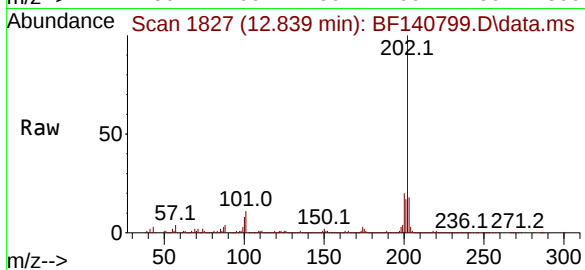
Tgt Ion:202 Resp: 349145

Ion Ratio Lower Upper

202 100

200 19.8 16.5 24.7

203 18.1 14.2 21.4



#79

Terphenyl-d14

Concen: 49.724 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.018 min

Lab File: BF140799.D

Acq: 10 Dec 2024 11:55

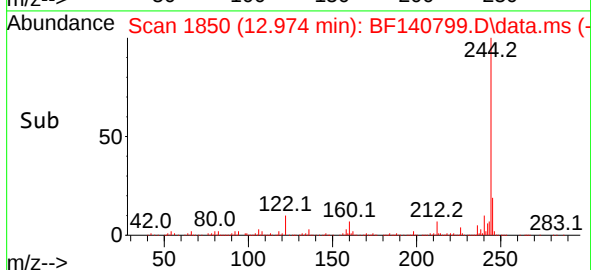
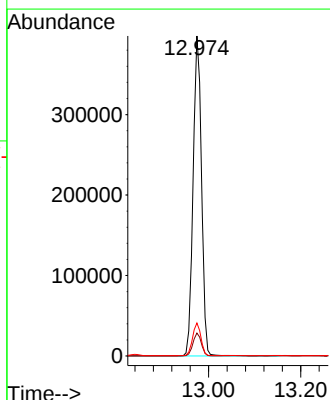
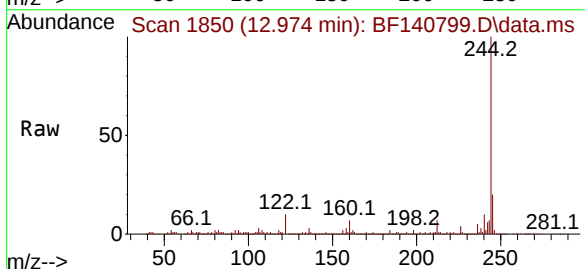
Tgt Ion:244 Resp: 502584

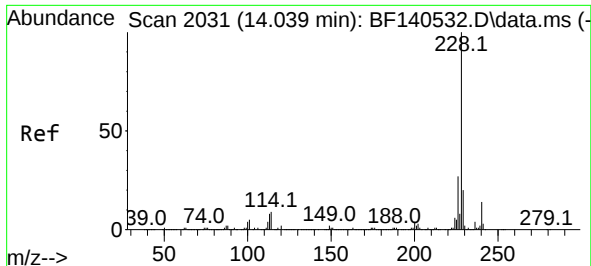
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 10.3 8.0 12.0

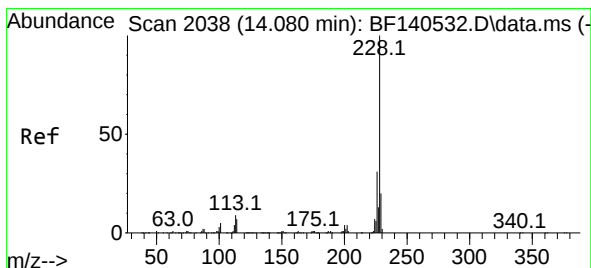
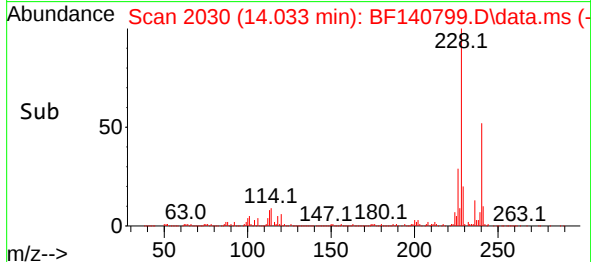
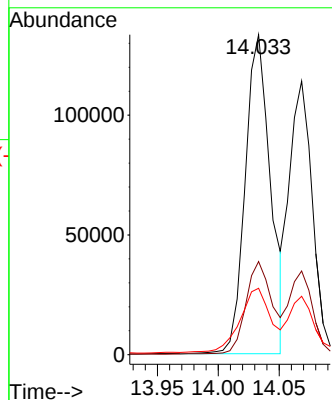
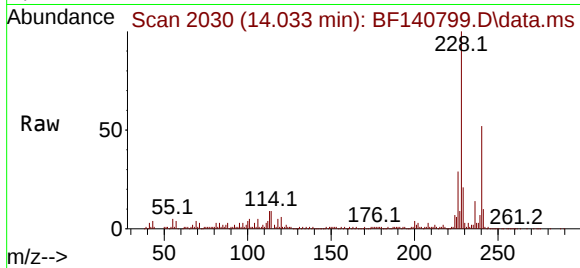




#81
Benzo(a)anthracene
Concen: 18.503 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

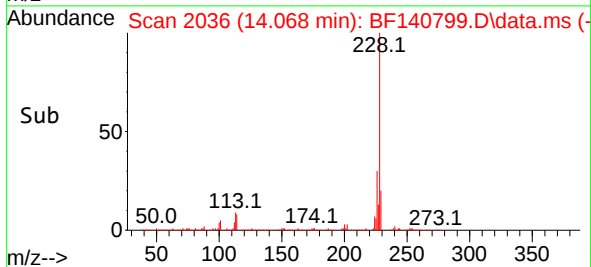
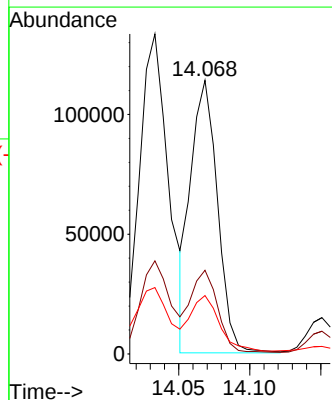
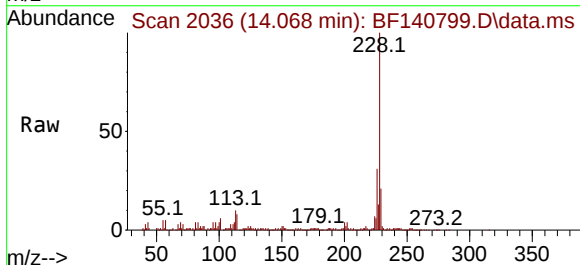
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-COMP

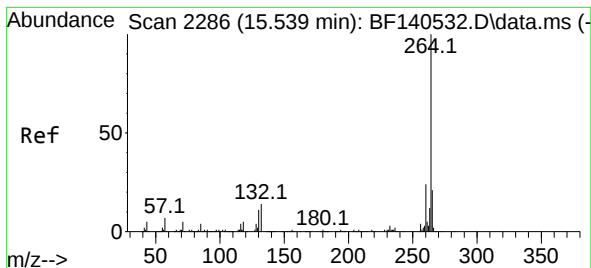
Tgt Ion:228 Resp: 192775
Ion Ratio Lower Upper
228 100
226 29.1 21.8 32.8
229 20.7 15.8 23.6



#83
Chrysene
Concen: 15.715 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

Tgt Ion:228 Resp: 149709
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 21.4 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140799.D

Acq: 10 Dec 2024 11:55

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-COMP

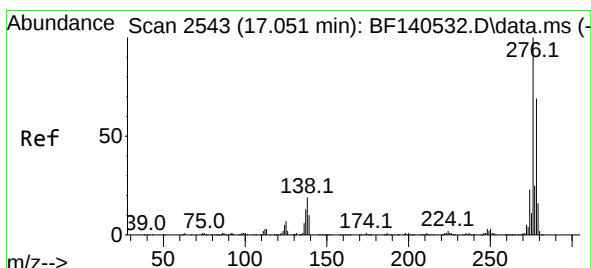
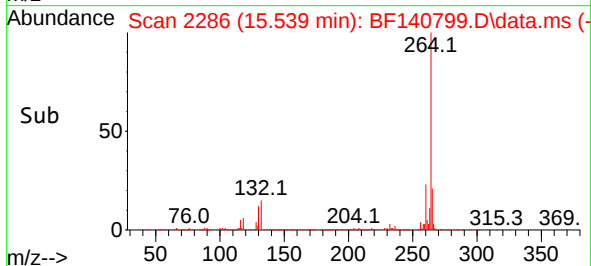
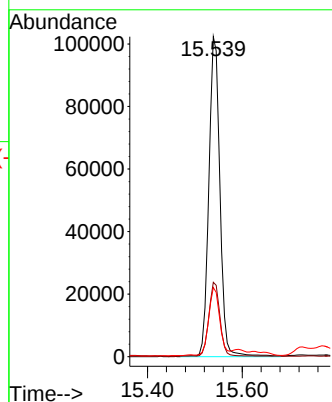
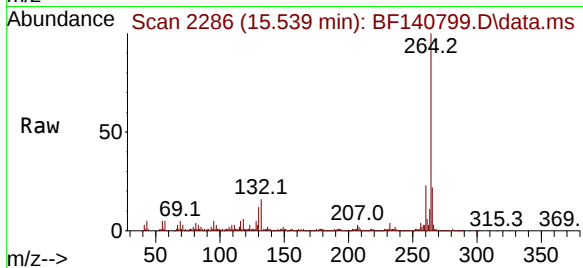
Tgt Ion:264 Resp: 166493

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 21.6 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.768 ng

RT: 17.057 min Scan# 2544

Delta R.T. 0.006 min

Lab File: BF140799.D

Acq: 10 Dec 2024 11:55

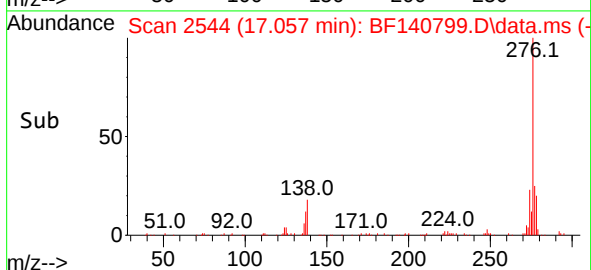
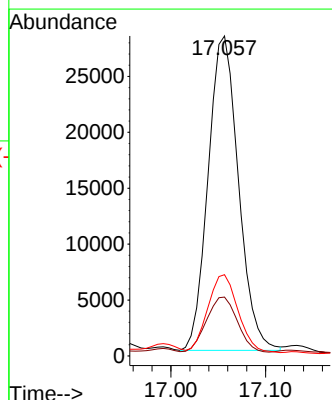
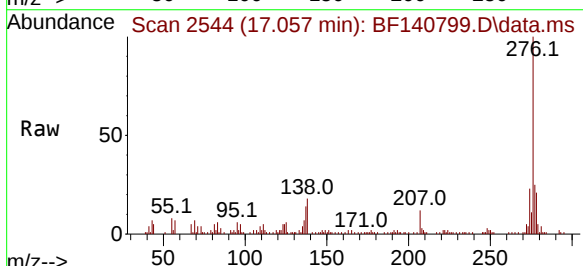
Tgt Ion:276 Resp: 62580

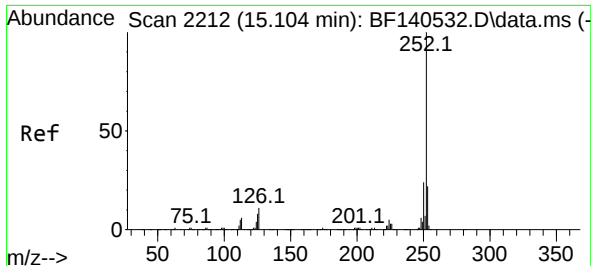
Ion Ratio Lower Upper

276 100

138 17.8 15.5 23.3

277 24.8 20.1 30.1

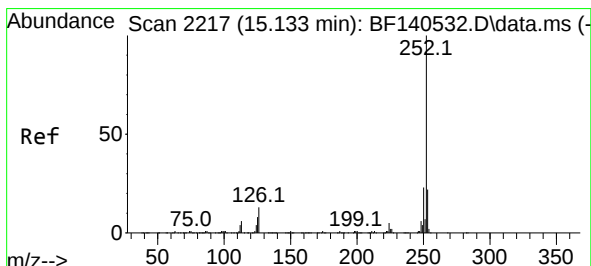
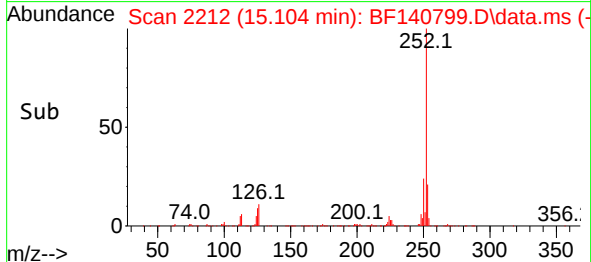
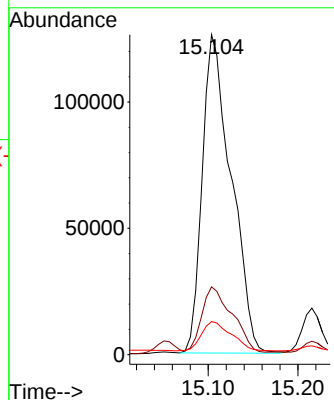
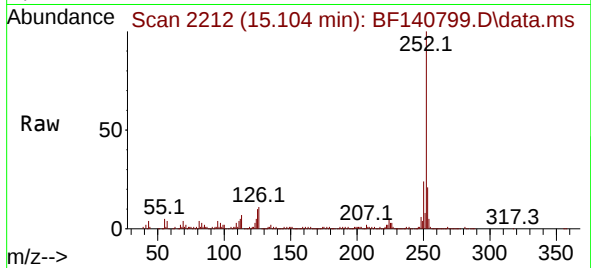




#88
Benzo(b)fluoranthene
Concen: 26.997 ng
RT: 15.104 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

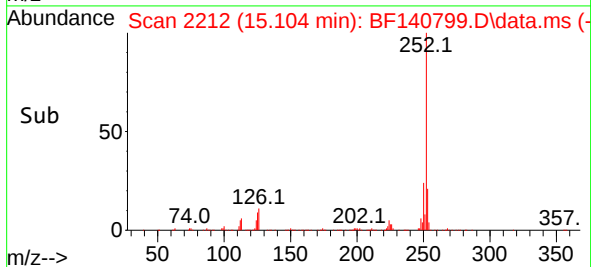
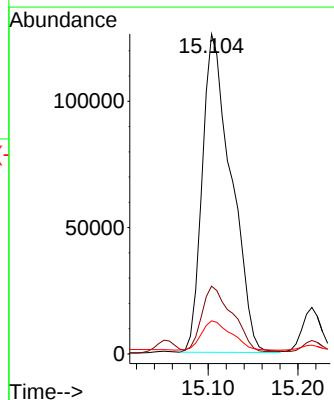
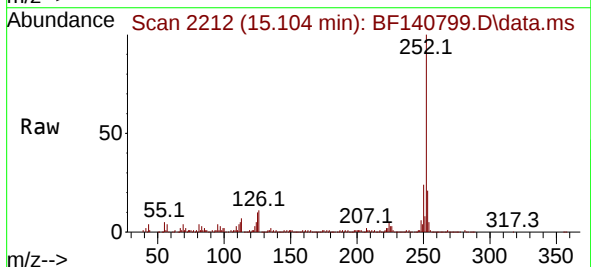
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-COMP

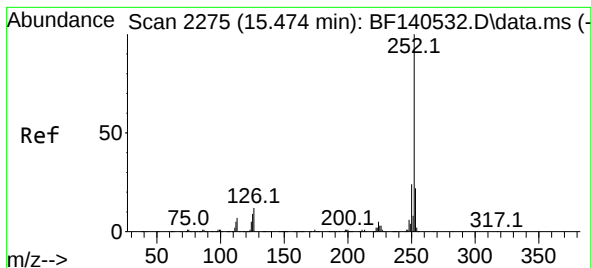
Tgt Ion:252 Resp: 282328
Ion Ratio Lower Upper
252 100
253 21.2 17.2 25.8
125 10.4 6.7 10.1#



#89
Benzo(k)fluoranthene
Concen: 30.851 ng
RT: 15.104 min Scan# 2212
Delta R.T. -0.029 min
Lab File: BF140799.D
Acq: 10 Dec 2024 11:55

Tgt Ion:252 Resp: 282328
Ion Ratio Lower Upper
252 100
253 21.2 17.5 26.3
125 10.4 6.5 9.7#





#90

Benzo(a)pyrene

Concen: 17.229 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140799.D

Acq: 10 Dec 2024 11:55

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-COMP

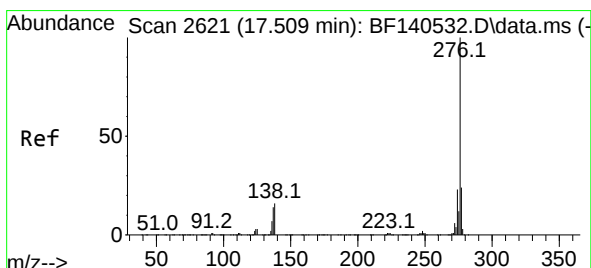
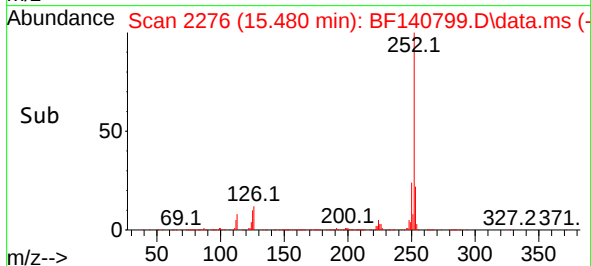
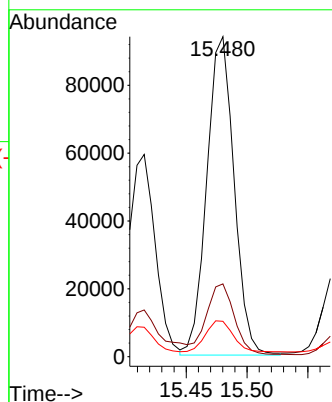
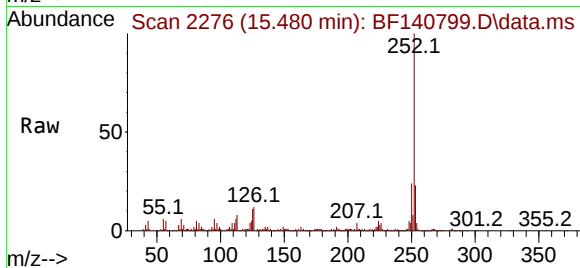
Tgt Ion:252 Resp: 146493

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 11.1 7.0 10.6#



#92

Benzo(g,h,i)perylene

Concen: 6.682 ng

RT: 17.515 min Scan# 2622

Delta R.T. 0.006 min

Lab File: BF140799.D

Acq: 10 Dec 2024 11:55

Tgt Ion:276 Resp: 60586

Ion Ratio Lower Upper

276 100

277 24.0 18.9 28.3

138 19.4 13.2 19.8

