

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143809.D
 Acq On : 25 Sep 2025 17:51
 Operator : RC/JU
 Sample : Q3188-02DL 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB22120DL

Quant Time: Sep 25 18:11:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

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

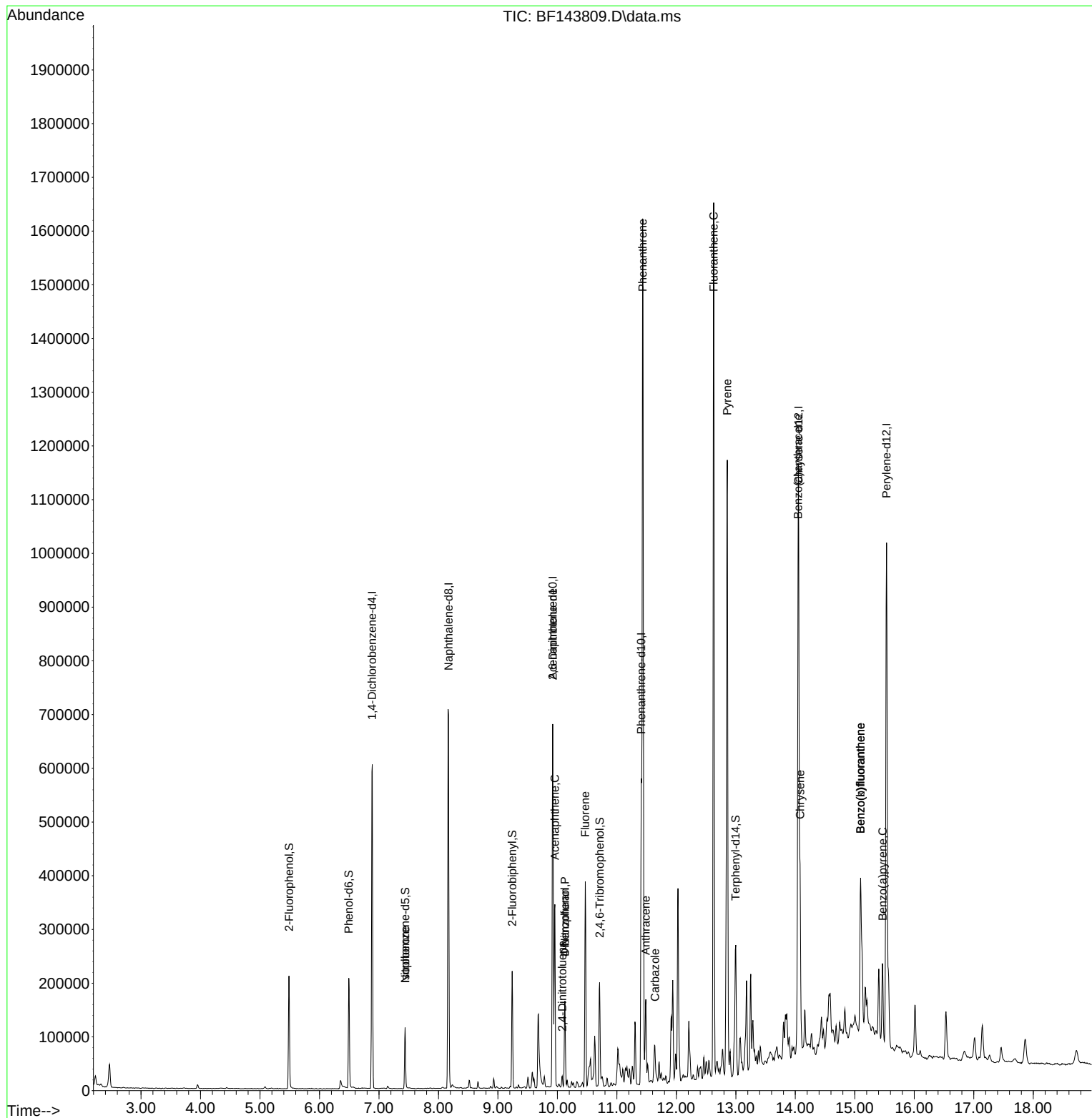
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	125211	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	428763	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	192837	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	282899	20.000	ng	0.00
76) Chrysene-d12	14.057	240	429866	20.000	ng	0.00
86) Perylene-d12	15.533	264	627231	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	70707	9.175	ng	-0.01
7) Phenol-d6	6.493	99	86457	9.709	ng	-0.02
23) Nitrobenzene-d5	7.440	82	41609	5.940	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	22634	7.927	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	92606	7.494	ng	0.00
79) Terphenyl-d14	12.998	244	126097	5.966	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.440	82	39460	2.891	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	25119	13.008	ng	# 17
52) Acenaphthene	9.957	154	104166	10.233	ng	99
55) Dibenzofuran	10.128	168	81738	5.679	ng	99
56) 4-Nitrophenol	10.128	139	31732	16.823	ng	# 1
57) 2,4-Dinitrotoluene	10.081	165	1109	3.283	ng	# 48
58) Fluorene	10.469	166	144367	13.491	ng	98
71) Phenanthrene	11.433	178	876669	60.360	ng	99
72) Anthracene	11.486	178	91380	6.272	ng	98
73) Carbazole	11.639	167	33031	2.593	ng	98
75) Fluoranthene	12.627	202	914815	62.625	ng	99
78) Pyrene	12.857	202	672872	31.838	ng	98
81) Benzo(a)anthracene	14.045	228	258106	11.177	ng	98
83) Chrysene	14.080	228	178503	8.542	ng	98
88) Benzo(b)fluoranthene	15.098	252	298190	9.335	ng	# 98
89) Benzo(k)fluoranthene	15.098	252	298190	9.292	ng	98
90) Benzo(a)pyrene	15.468	252	109791	3.657	ng	# 99

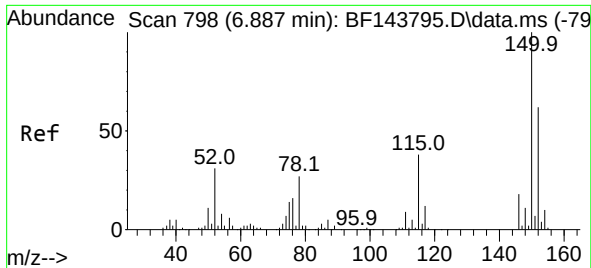
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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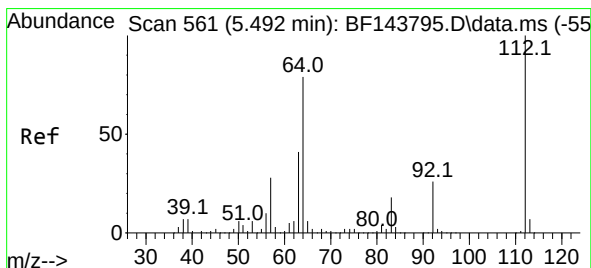
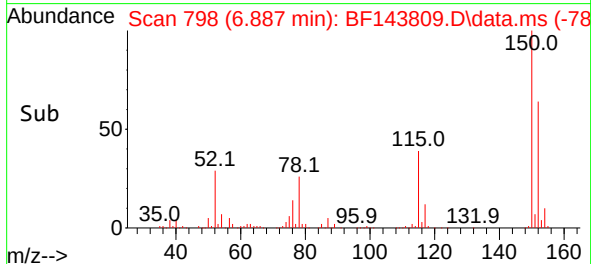
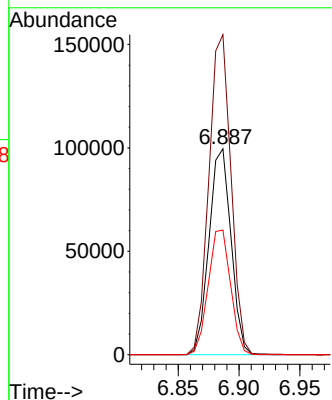
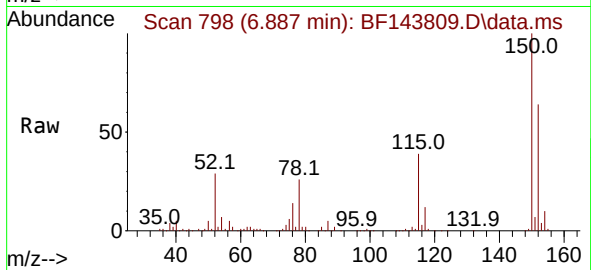




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: BF143809.D
 Acq: 25 Sep 2025 17:51

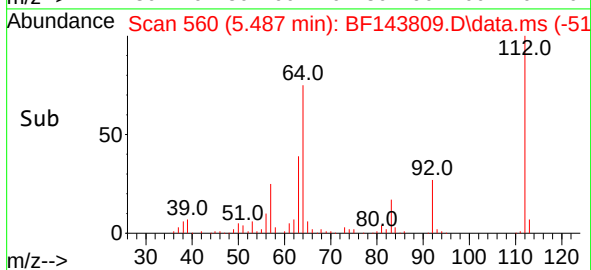
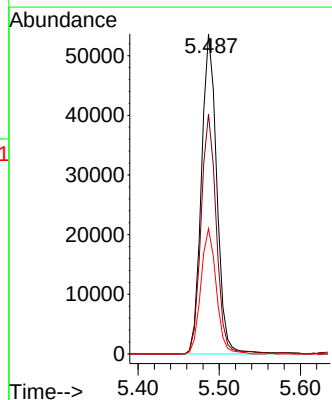
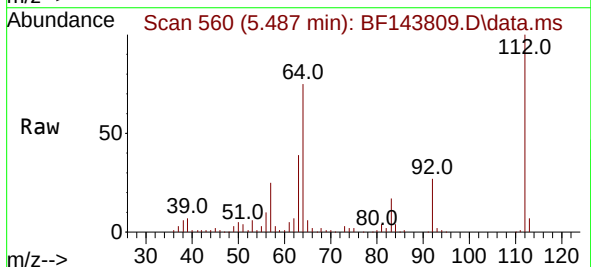
Instrument :
 BNA_F
 ClientSampleId :
 RB22120DL

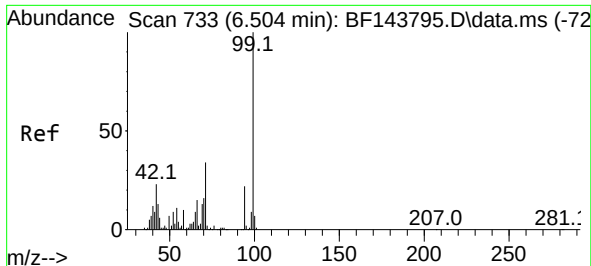
Tgt Ion:152 Resp: 125211
 Ion Ratio Lower Upper
 152 100
 150 155.4 129.6 194.4
 115 60.5 49.0 73.4



#5
 2-Fluorophenol
 Concen: 9.175 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.011 min
 Lab File: BF143809.D
 Acq: 25 Sep 2025 17:51

Tgt Ion:112 Resp: 70707
 Ion Ratio Lower Upper
 112 100
 64 75.0 63.0 94.4
 63 39.1 32.6 49.0

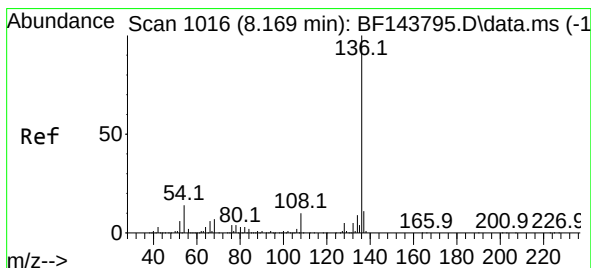
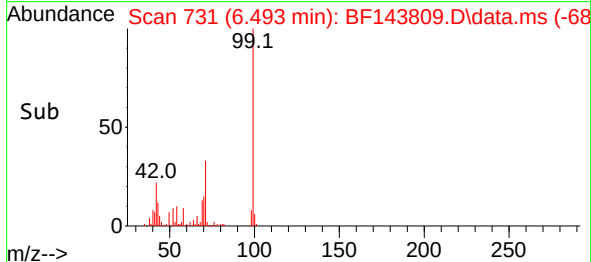
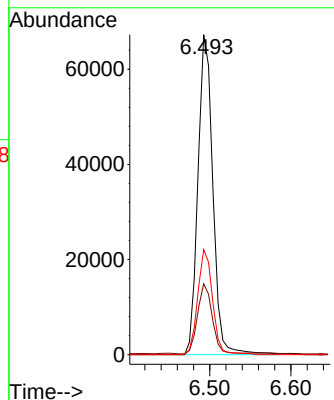
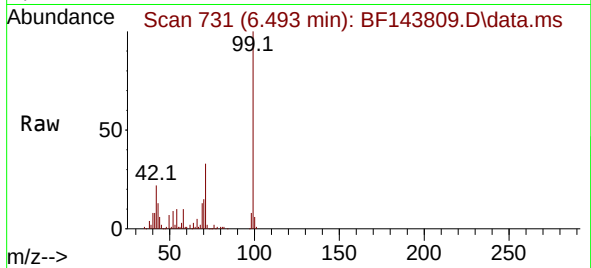




#7
Phenol-d6
Concen: 9.709 ng
RT: 6.493 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF143809.D
Acq: 25 Sep 2025 17:51

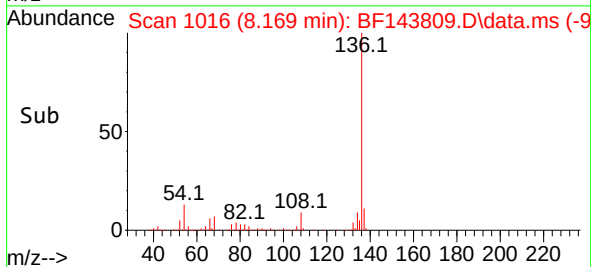
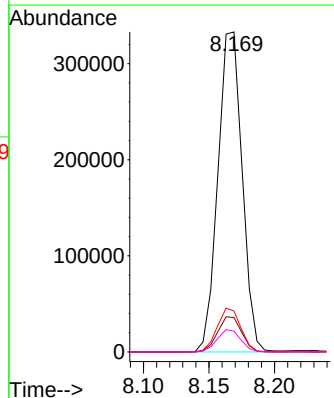
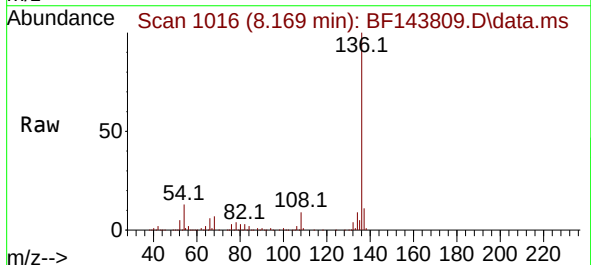
Instrument :
BNA_F
ClientSampleId :
RB22120DL

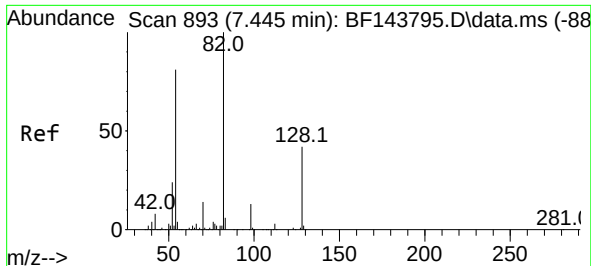
Tgt Ion: 99 Resp: 86457
Ion Ratio Lower Upper
99 100
42 22.1 18.6 28.0
71 32.9 27.0 40.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143809.D
Acq: 25 Sep 2025 17:51

Tgt Ion: 136 Resp: 428763
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 12.8 11.2 16.8
68 6.5 5.6 8.4





#23

Nitrobenzene-d5

Concen: 5.940 ng

RT: 7.440 min Scan# 892

Delta R.T. -0.011 min

Lab File: BF143809.D

Acq: 25 Sep 2025 17:51

Instrument :

BNA_F

ClientSampleId :

RB22120DL

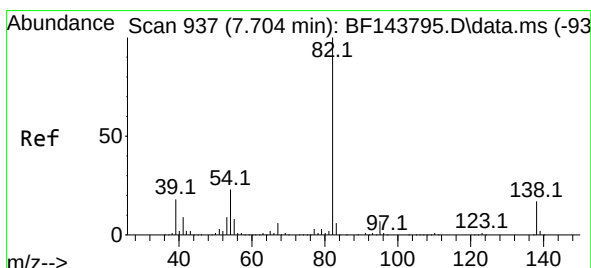
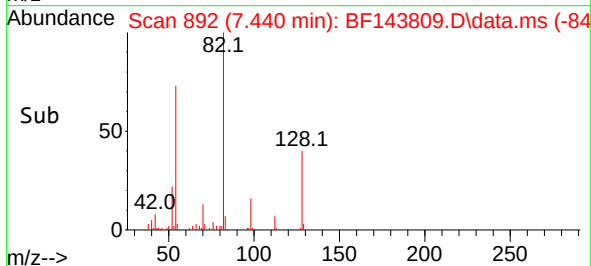
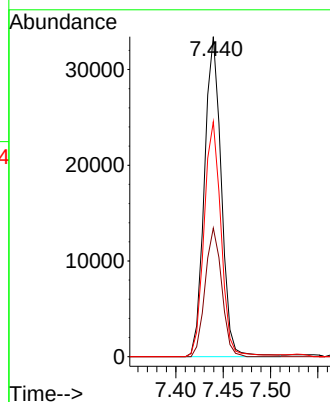
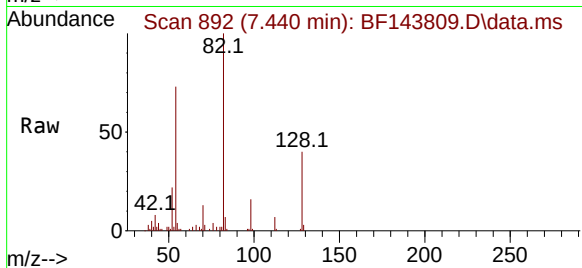
Tgt Ion: 82 Resp: 41609

Ion Ratio Lower Upper

82 100

128 40.2 33.3 49.9

54 73.4 64.2 96.4



#25

Isophorone

Concen: 2.891 ng

RT: 7.440 min Scan# 892

Delta R.T. -0.270 min

Lab File: BF143809.D

Acq: 25 Sep 2025 17:51

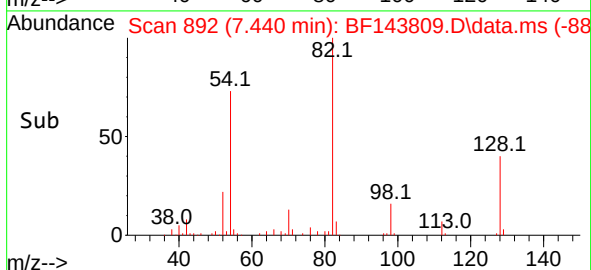
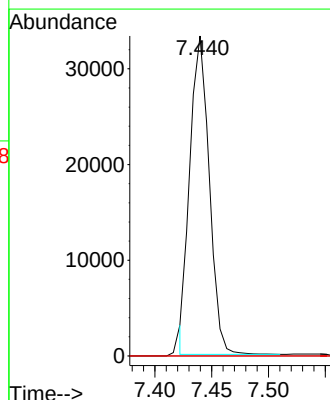
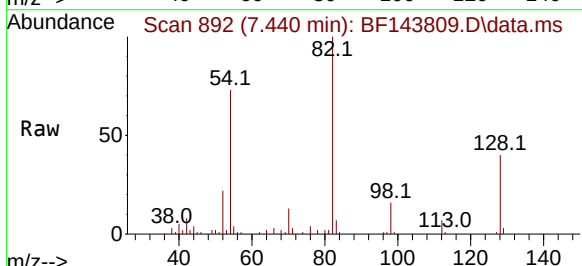
Tgt Ion: 82 Resp: 39460

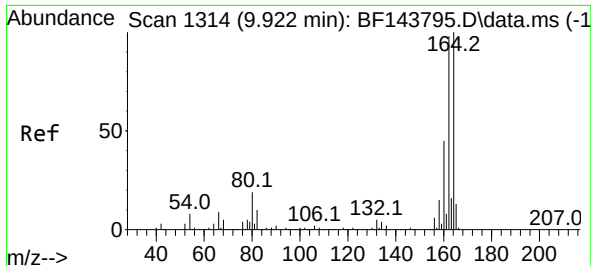
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

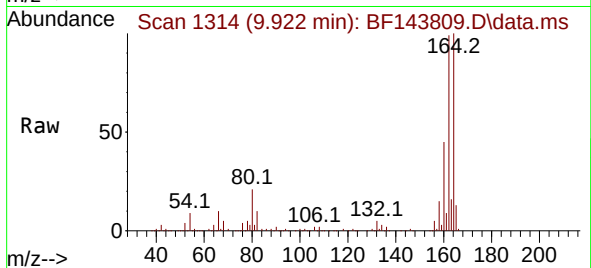
138 0.0 13.7 20.5#



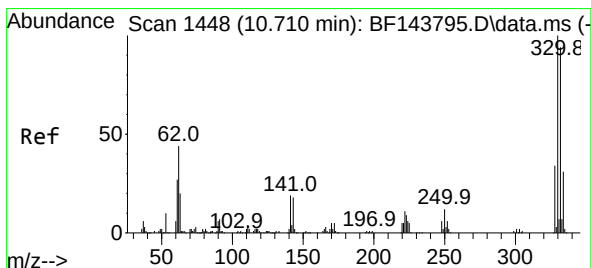
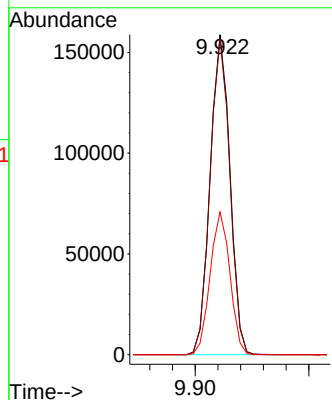
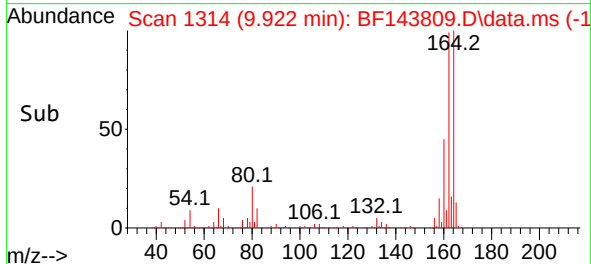


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143809.D
Acq: 25 Sep 2025 17:51

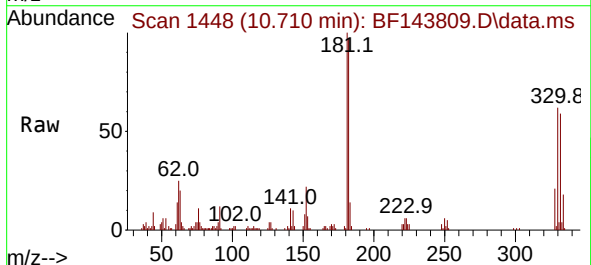
Instrument :
BNA_F
ClientSampleId :
RB22120DL



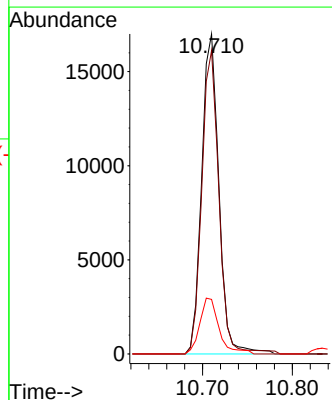
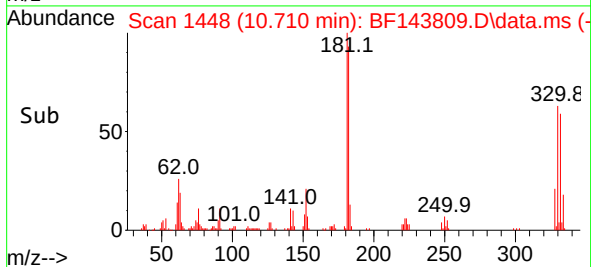
Tgt Ion:164 Resp: 192837
Ion Ratio Lower Upper
164 100
162 98.6 78.8 118.2
160 44.6 35.8 53.6

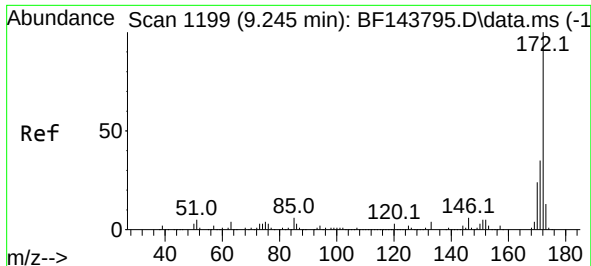


#42
2,4,6-Tribromophenol
Concen: 7.927 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143809.D
Acq: 25 Sep 2025 17:51



Tgt Ion:330 Resp: 22634
Ion Ratio Lower Upper
330 100
332 94.2 74.7 112.1
141 19.5 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 7.494 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143809.D

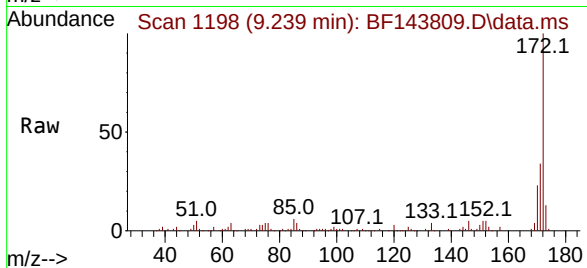
Acq: 25 Sep 2025 17:51

Instrument :

BNA_F

ClientSampleId :

RB22120DL



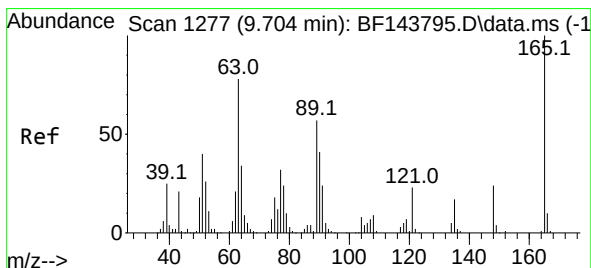
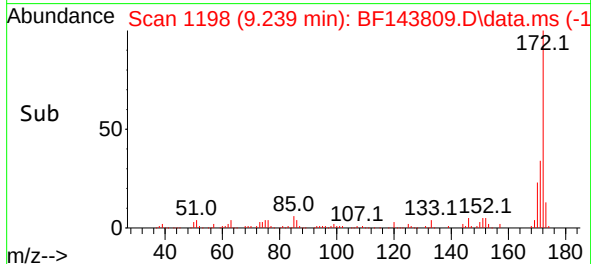
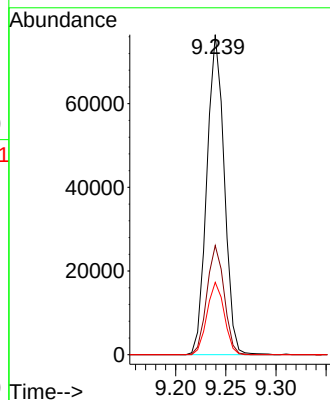
Tgt Ion:172 Resp: 92606

Ion Ratio Lower Upper

172 100

171 34.1 27.9 41.9

170 22.6 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 13.008 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.218 min

Lab File: BF143809.D

Acq: 25 Sep 2025 17:51

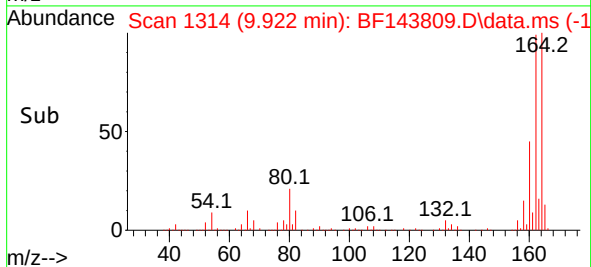
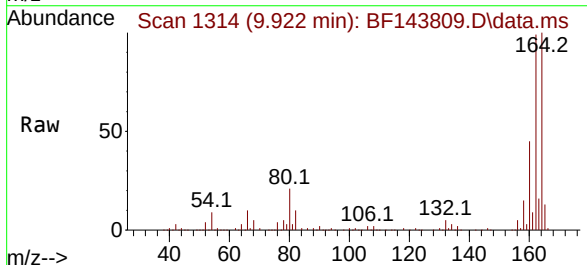
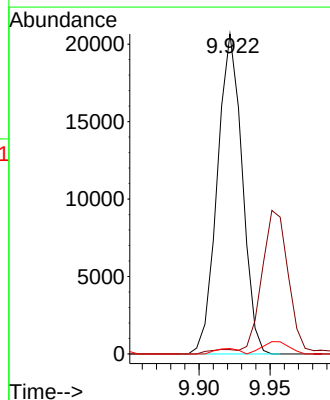
Tgt Ion:165 Resp: 25119

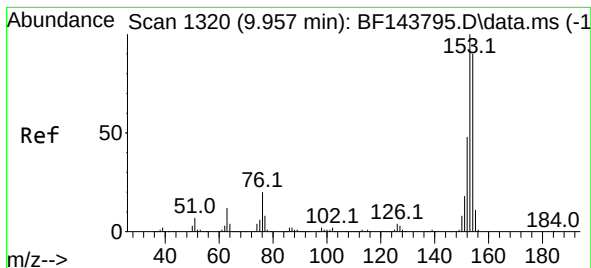
Ion Ratio Lower Upper

165 100

63 1.4 62.6 94.0#

89 1.7 45.2 67.8#





#52

Acenaphthene

Concen: 10.233 ng

RT: 9.957 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143809.D

Acq: 25 Sep 2025 17:51

Instrument :

BNA_F

ClientSampleId :

RB22120DL

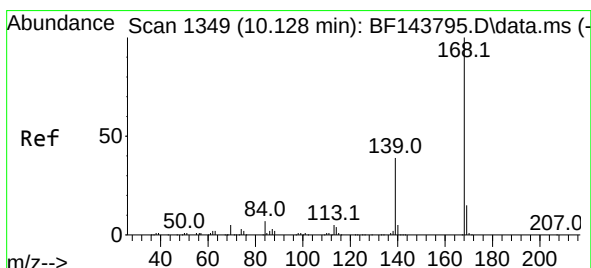
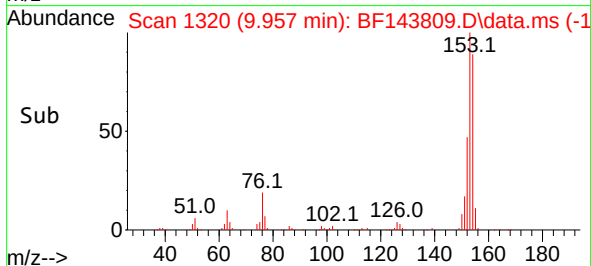
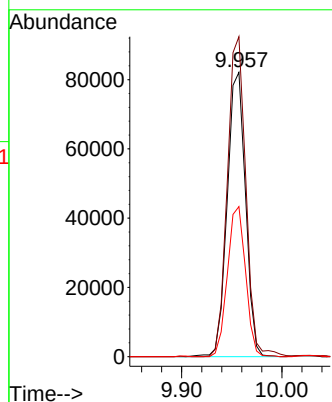
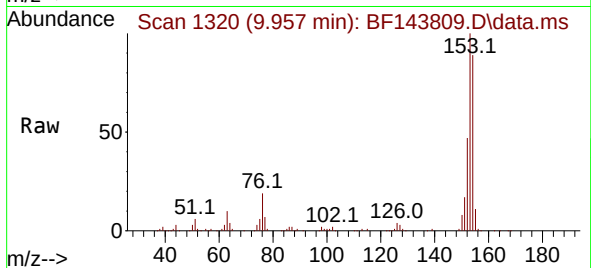
Tgt Ion:154 Resp: 104166

Ion Ratio Lower Upper

154 100

153 112.5 88.7 133.1

152 52.8 42.7 64.1



#55

Dibenzofuran

Concen: 5.679 ng

RT: 10.128 min Scan# 1349

Delta R.T. -0.006 min

Lab File: BF143809.D

Acq: 25 Sep 2025 17:51

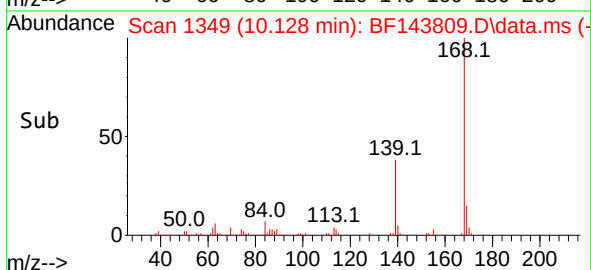
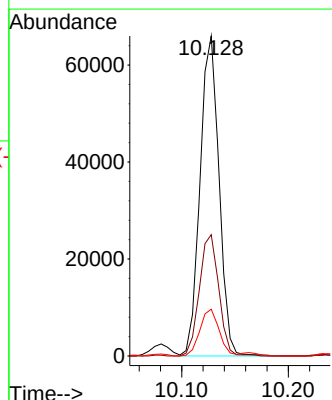
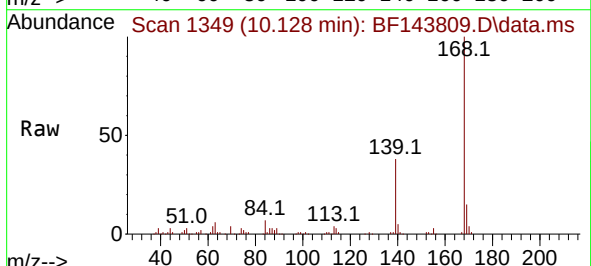
Tgt Ion:168 Resp: 81738

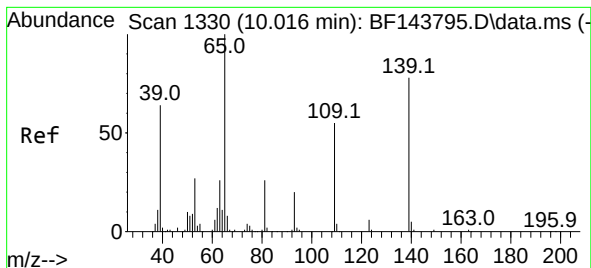
Ion Ratio Lower Upper

168 100

139 37.9 31.0 46.6

169 14.6 11.9 17.9

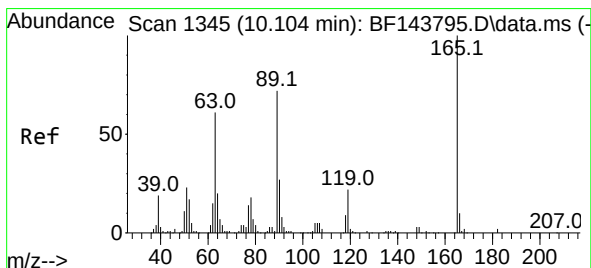
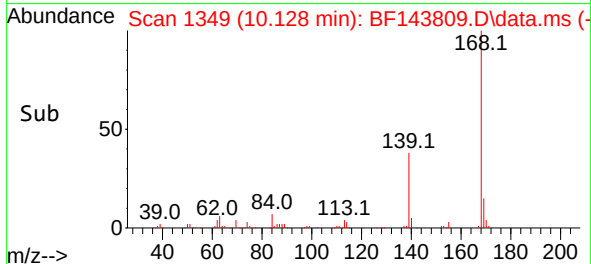
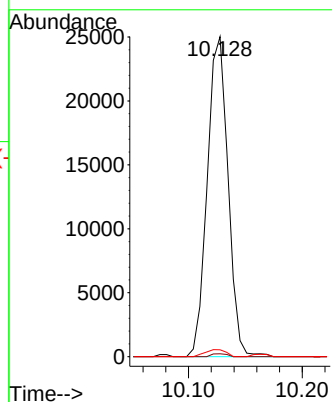
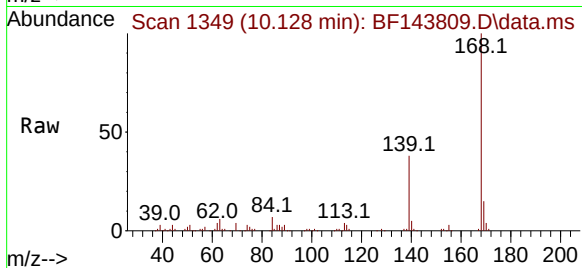




#56
4-Nitrophenol
Concen: 16.823 ng
RT: 10.128 min Scan# 1349
Delta R.T. 0.106 min
Lab File: BF143809.D
Acq: 25 Sep 2025 17:51

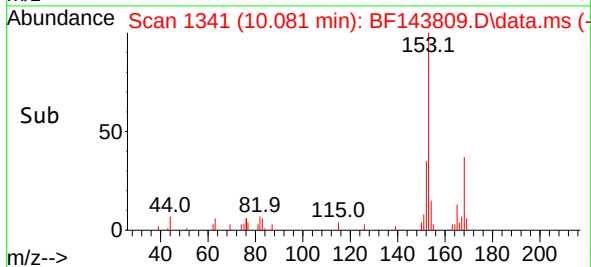
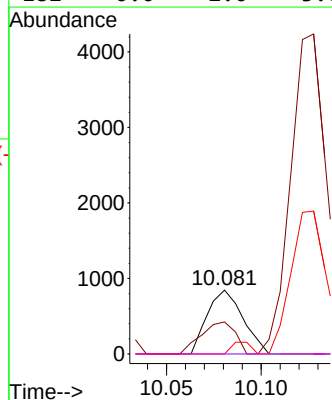
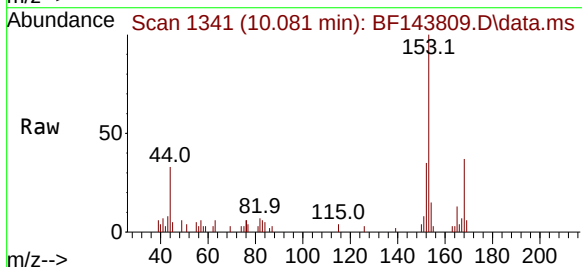
Instrument :
BNA_F
ClientSampleId :
RB22120DL

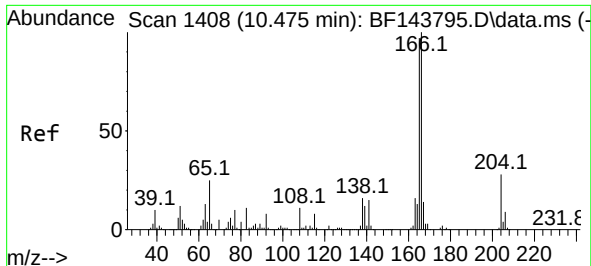
Tgt Ion:139 Resp: 31732
Ion Ratio Lower Upper
139 100
109 0.9 50.2 90.2#
65 2.2 109.2 149.2#



#57
2,4-Dinitrotoluene
Concen: 3.283 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.029 min
Lab File: BF143809.D
Acq: 25 Sep 2025 17:51

Tgt Ion:165 Resp: 1109
Ion Ratio Lower Upper
165 100
63 50.2 48.9 73.3
89 0.0 57.5 86.3#
182 0.0 2.0 3.0#

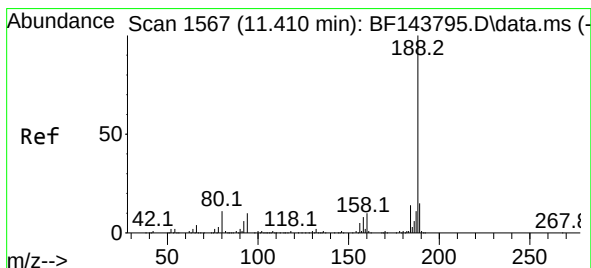
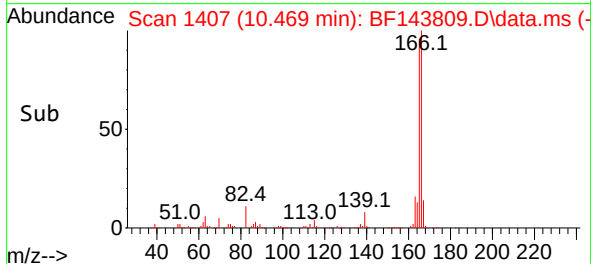
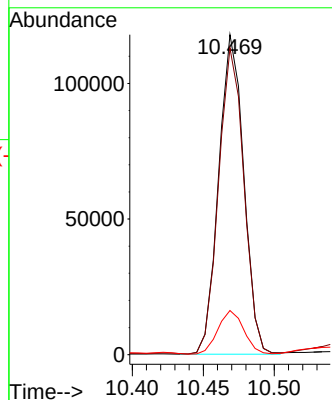
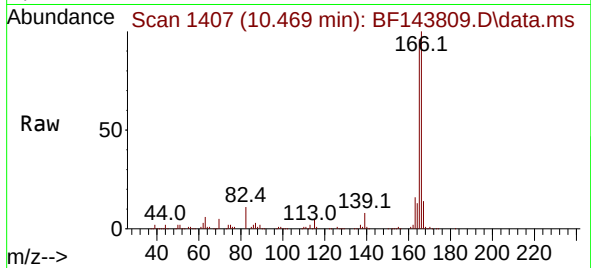




#58
Fluorene
Concen: 13.491 ng
RT: 10.469 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143809.D
Acq: 25 Sep 2025 17:51

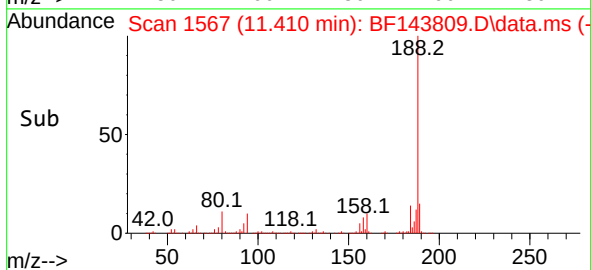
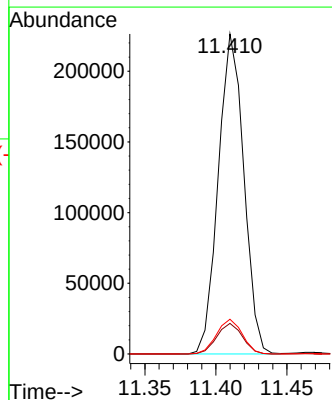
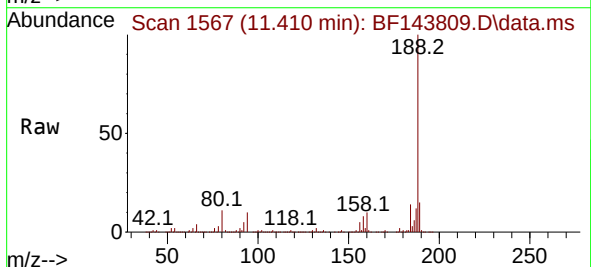
Instrument :
BNA_F
ClientSampleId :
RB22120DL

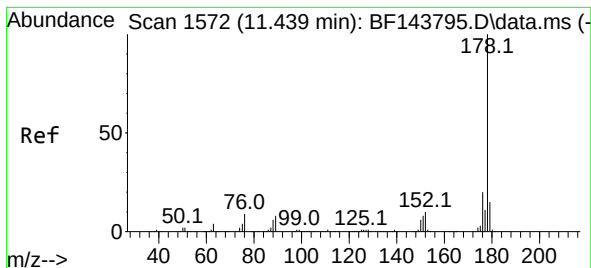
Tgt Ion:166 Resp: 144367
Ion Ratio Lower Upper
166 100
165 95.8 78.0 117.0
167 13.8 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143809.D
Acq: 25 Sep 2025 17:51

Tgt Ion:188 Resp: 282899
Ion Ratio Lower Upper
188 100
94 9.5 8.2 12.2
80 10.9 8.6 12.8





#71

Phenanthrene

Concen: 60.360 ng

RT: 11.433 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF143809.D

Acq: 25 Sep 2025 17:51

Instrument :

BNA_F

ClientSampleId :

RB22120DL

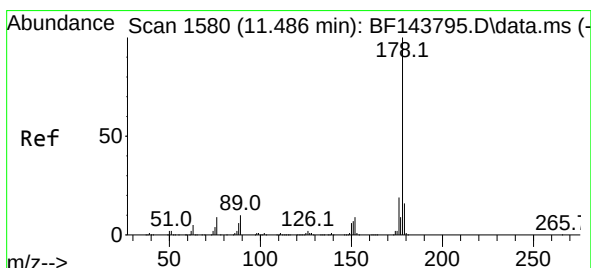
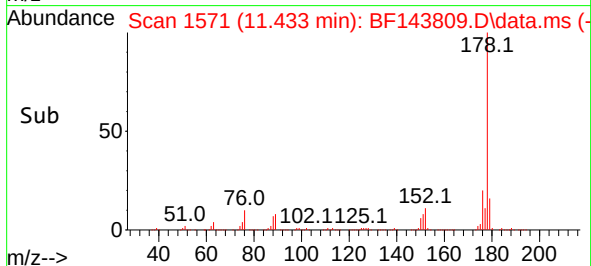
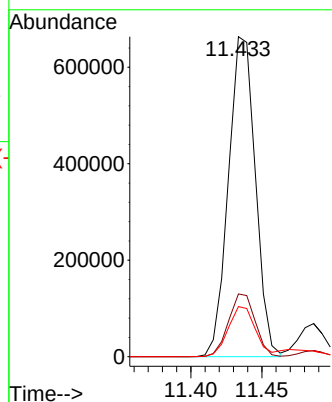
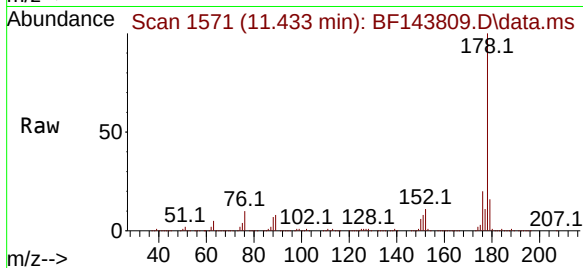
Tgt Ion:178 Resp: 876669

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 15.7 12.2 18.4



#72

Anthracene

Concen: 6.272 ng

RT: 11.486 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF143809.D

Acq: 25 Sep 2025 17:51

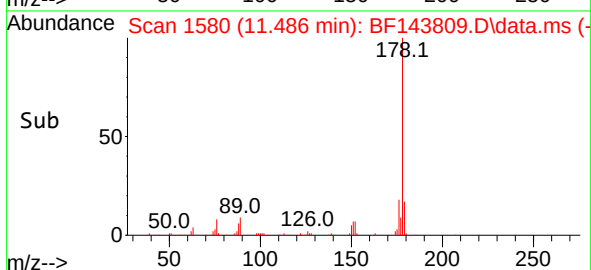
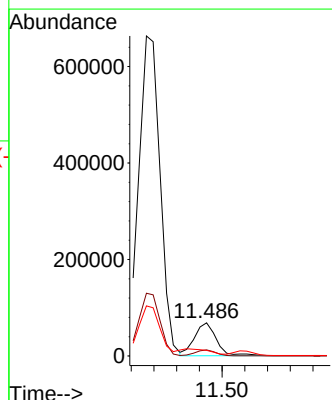
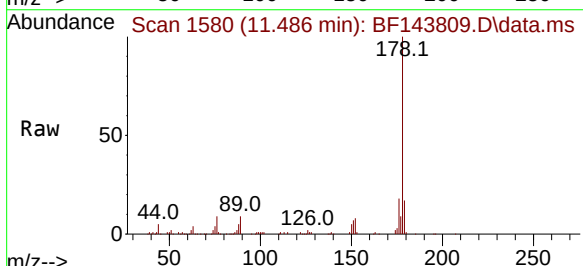
Tgt Ion:178 Resp: 91380

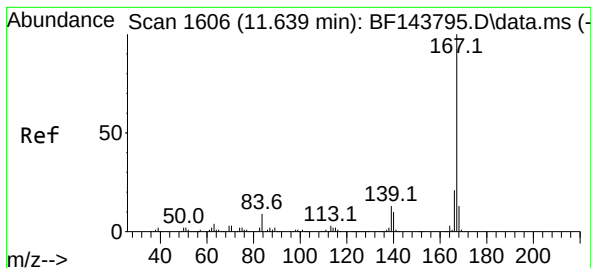
Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

179 16.8 12.8 19.2





#73

Carbazole

Concen: 2.593 ng

RT: 11.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143809.D

Acq: 25 Sep 2025 17:51

Instrument :

BNA_F

ClientSampleId :

RB22120DL

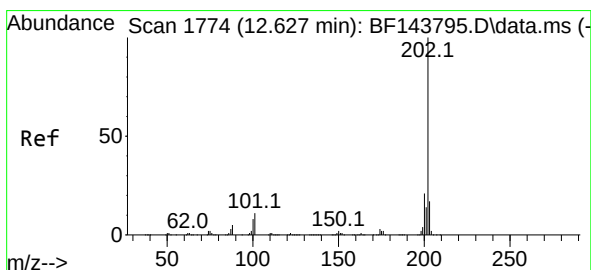
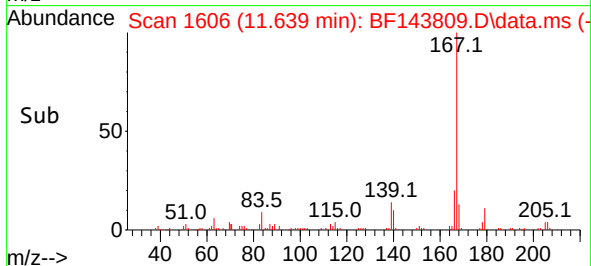
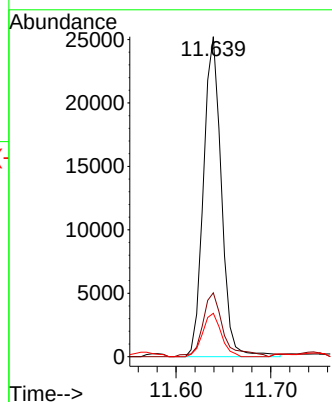
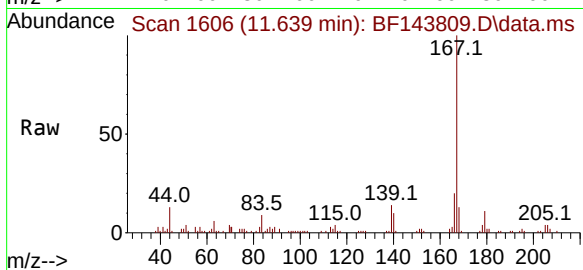
Tgt Ion:167 Resp: 33031

Ion Ratio Lower Upper

167 100

166 19.9 17.0 25.4

139 13.6 10.6 15.8



#75

Fluoranthene

Concen: 62.625 ng

RT: 12.627 min Scan# 1774

Delta R.T. 0.000 min

Lab File: BF143809.D

Acq: 25 Sep 2025 17:51

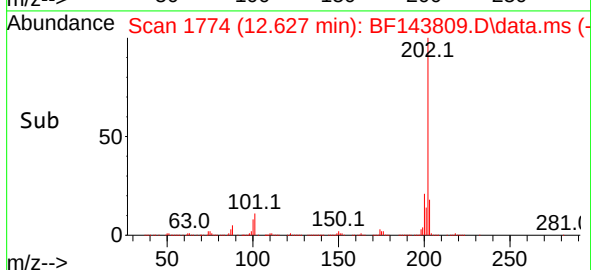
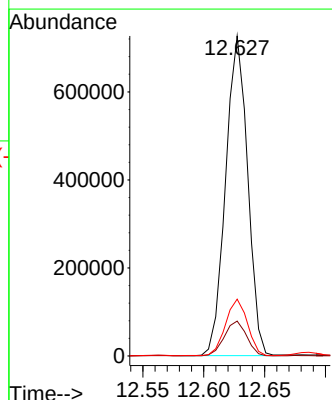
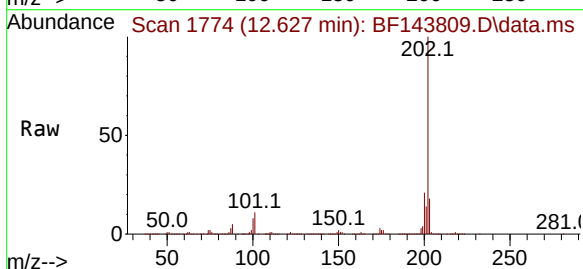
Tgt Ion:202 Resp: 914815

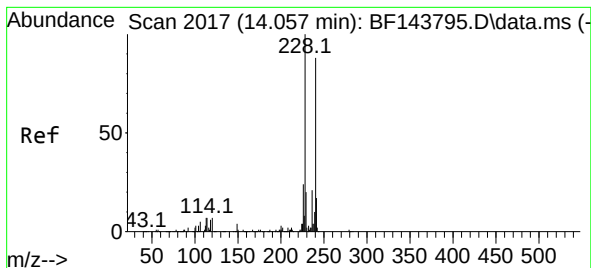
Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.1

203 17.7 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143809.D

Acq: 25 Sep 2025 17:51

Instrument :

BNA_F

ClientSampleId :

RB22120DL

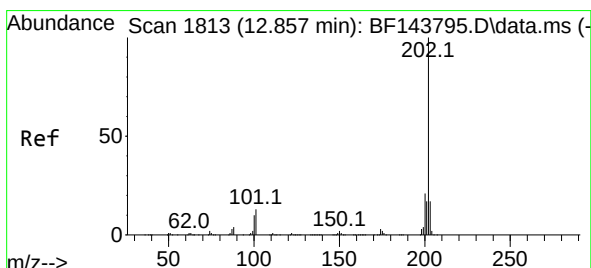
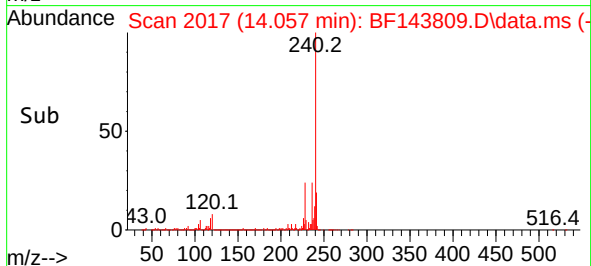
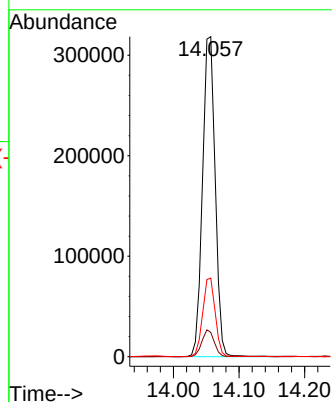
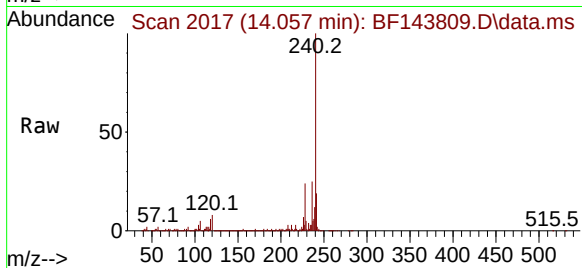
Tgt Ion:240 Resp: 429866

Ion Ratio Lower Upper

240 100

120 7.6 6.2 9.4

236 24.6 19.4 29.2



#78

Pyrene

Concen: 31.838 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF143809.D

Acq: 25 Sep 2025 17:51

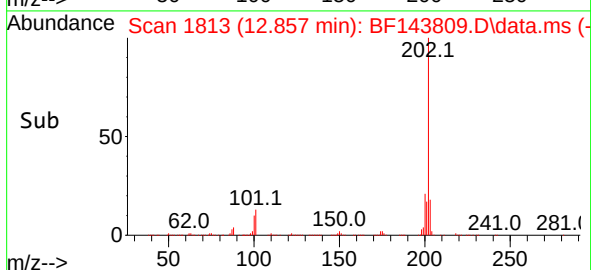
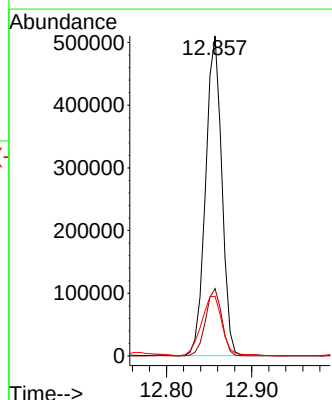
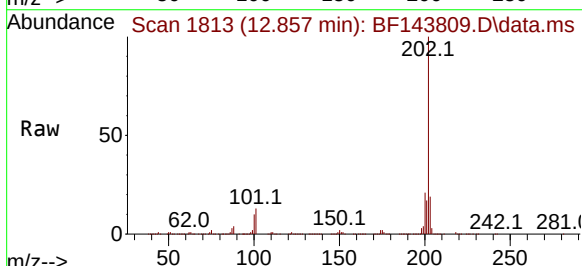
Tgt Ion:202 Resp: 672872

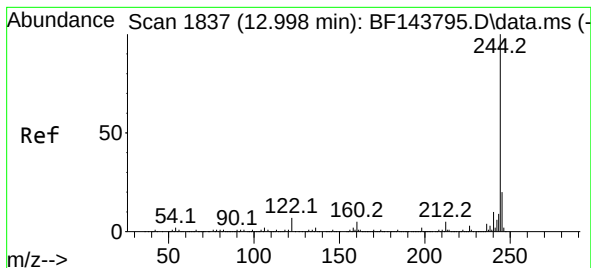
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 18.7 13.9 20.9





#79

Terphenyl-d14

Concen: 5.966 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143809.D

Acq: 25 Sep 2025 17:51

Instrument :

BNA_F

ClientSampleId :

RB22120DL

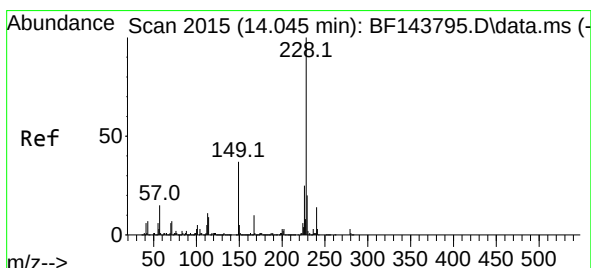
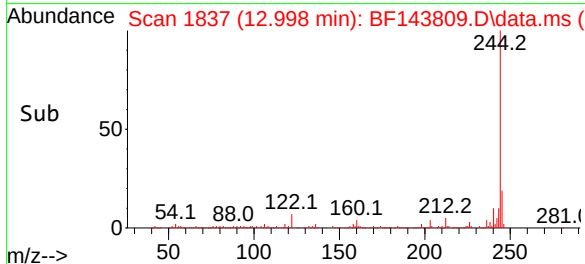
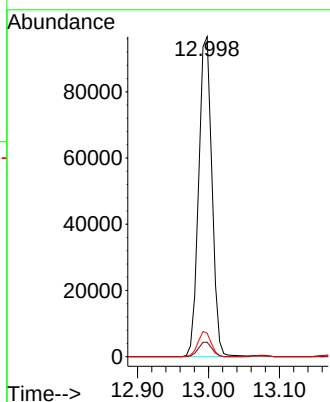
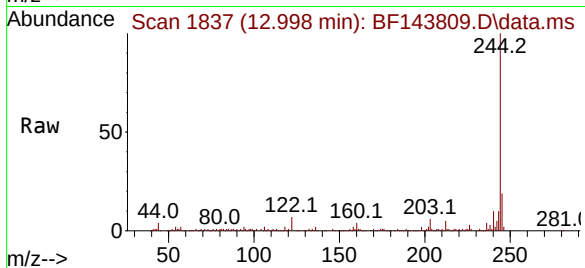
Tgt Ion:244 Resp: 126097

Ion Ratio Lower Upper

244 100

212 4.5 3.9 5.9

122 7.3 5.6 8.4



#81

Benzo(a)anthracene

Concen: 11.177 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF143809.D

Acq: 25 Sep 2025 17:51

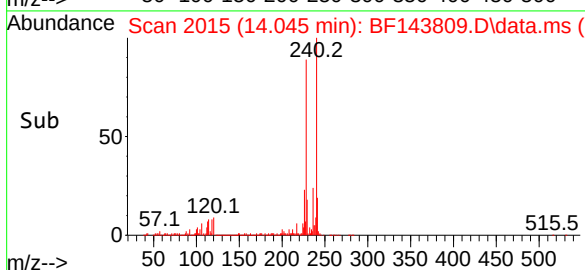
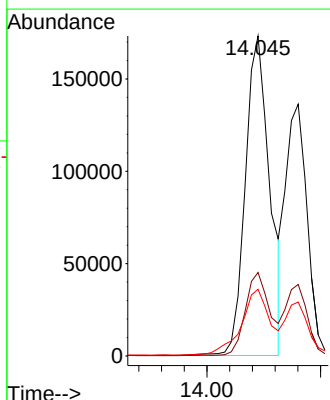
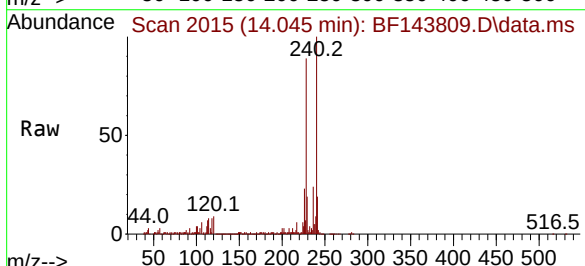
Tgt Ion:228 Resp: 258106

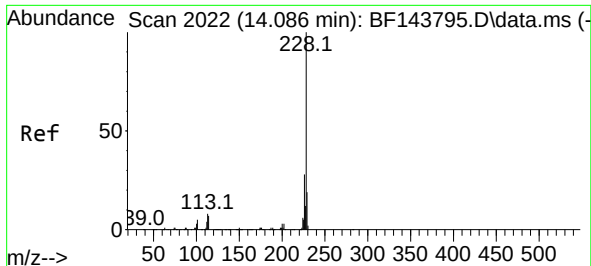
Ion Ratio Lower Upper

228 100

226 26.1 20.2 30.2

229 20.9 16.1 24.1

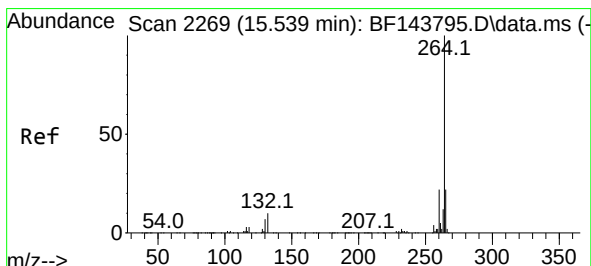
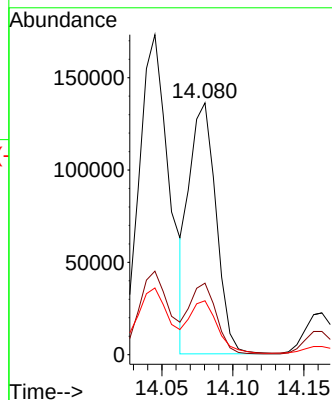
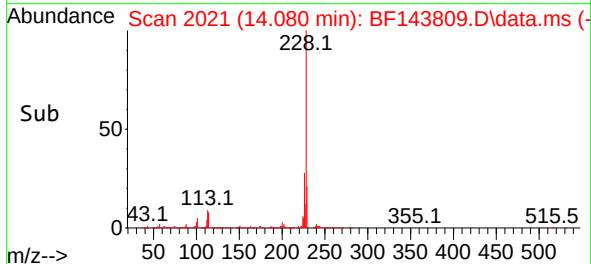
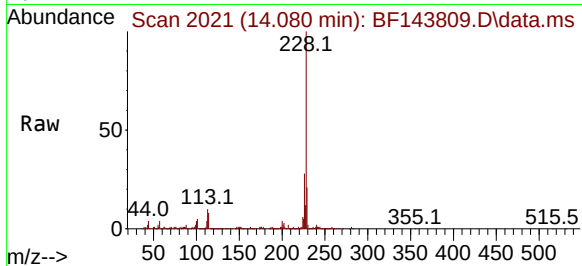




#83
Chrysene
Concen: 8.542 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143809.D
Acq: 25 Sep 2025 17:51

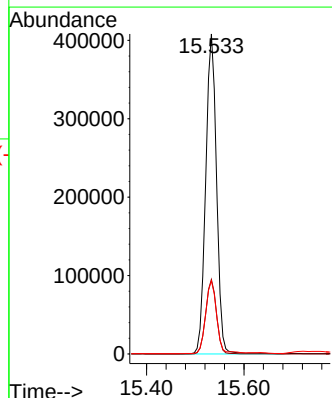
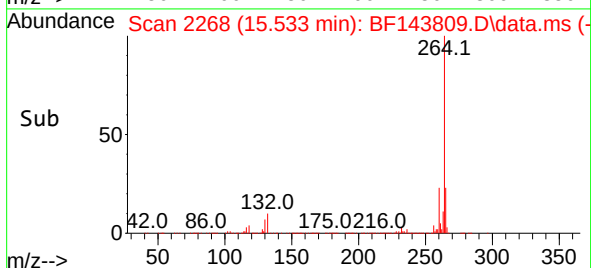
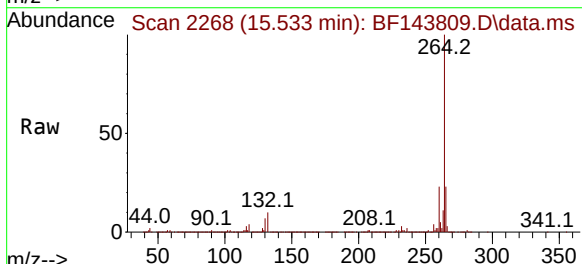
Instrument :
BNA_F
ClientSampleId :
RB22120DL

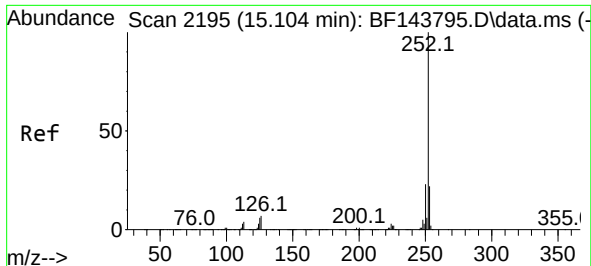
Tgt Ion:228 Resp: 178503
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 21.4 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143809.D
Acq: 25 Sep 2025 17:51

Tgt Ion:264 Resp: 627231
Ion Ratio Lower Upper
264 100
260 23.3 17.9 26.9
265 22.9 17.7 26.5

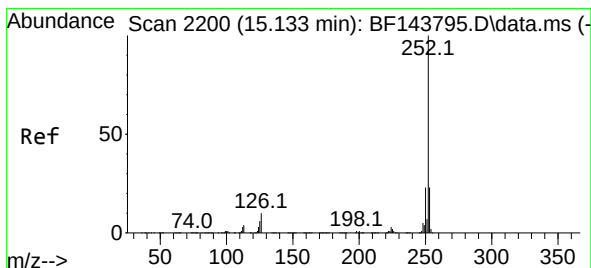
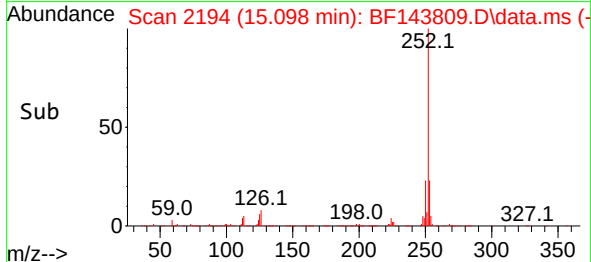
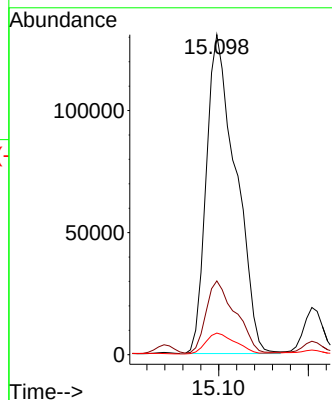
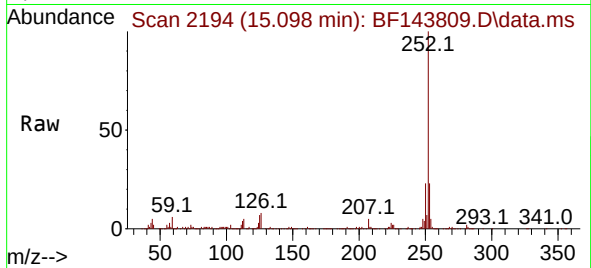




#88
Benzo(b)fluoranthene
Concen: 9.335 ng
RT: 15.098 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF143809.D
Acq: 25 Sep 2025 17:51

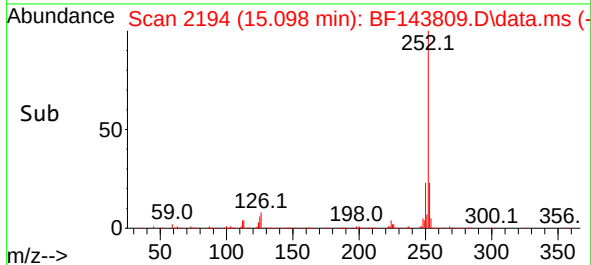
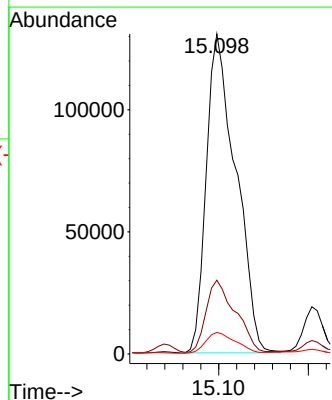
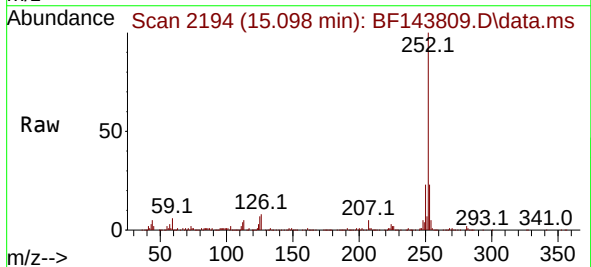
Instrument :
BNA_F
ClientSampleId :
RB22120DL

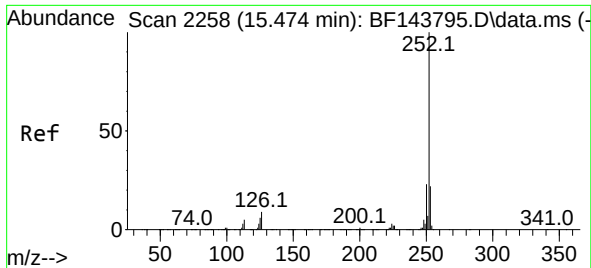
Tgt Ion:252 Resp: 298190
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 6.7 4.4 6.6#



#89
Benzo(k)fluoranthene
Concen: 9.292 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.041 min
Lab File: BF143809.D
Acq: 25 Sep 2025 17:51

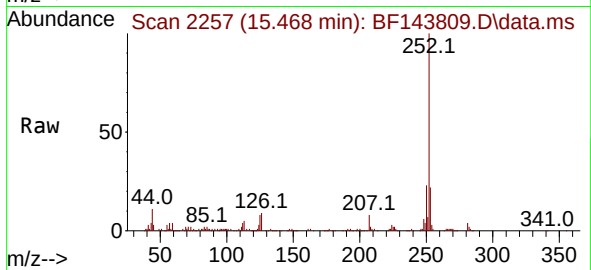
Tgt Ion:252 Resp: 298190
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 6.7 4.6 6.8





#90
 Benzo(a)pyrene
 Concen: 3.657 ng
 RT: 15.468 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF143809.D
 Acq: 25 Sep 2025 17:51

Instrument :
 BNA_F
 ClientSampleId :
 RB22120DL



Tgt Ion:252 Resp: 109791
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.6 26.4
 125 7.5 5.0 7.4#

