

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
 Data File : BF142113.D
 Acq On : 26 Mar 2025 23:05
 Operator : RC/JU
 Sample : Q1637-03 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-032525

Quant Time: Mar 27 01:07:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

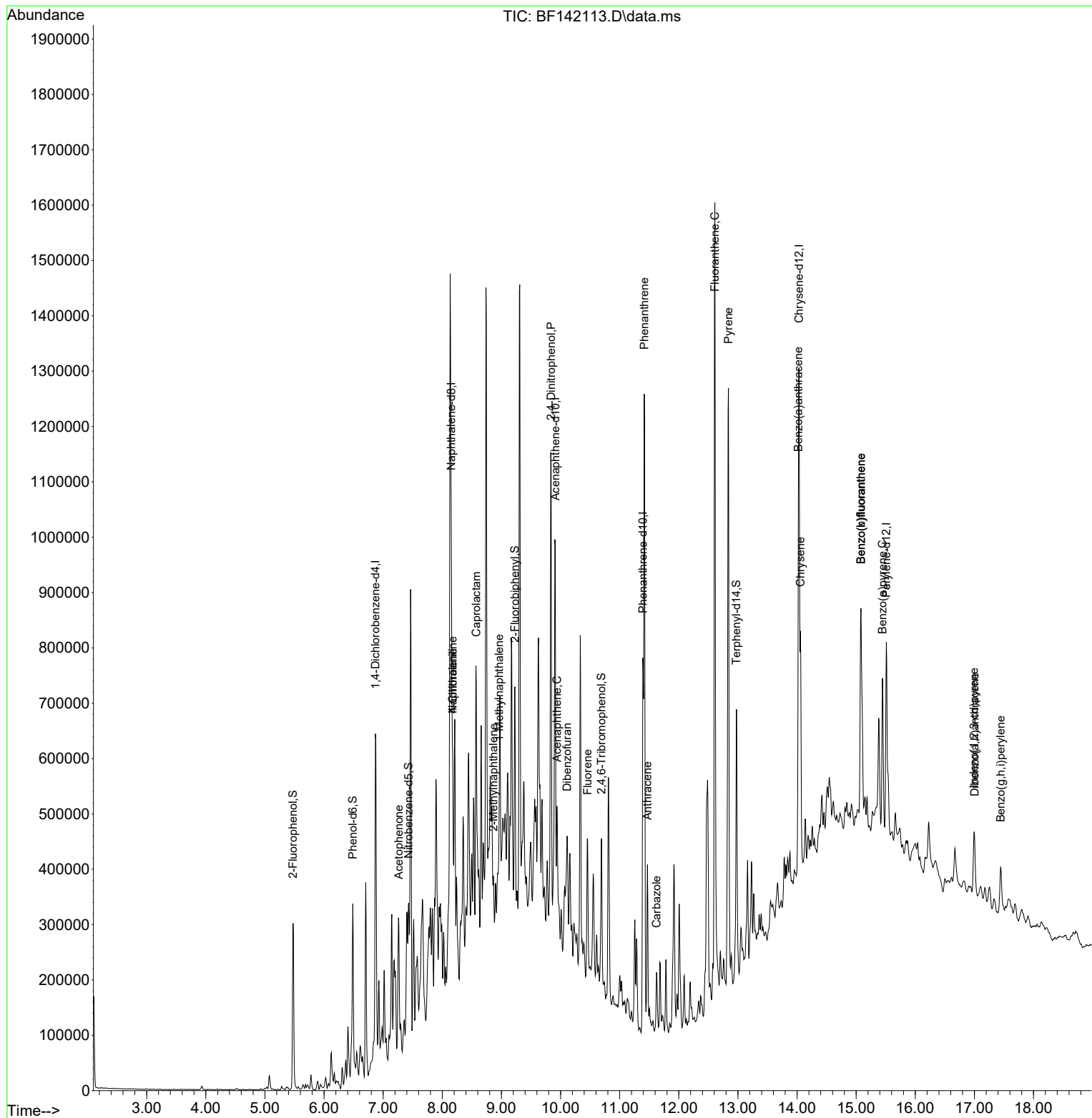
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	112047	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	407447	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	206500	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	345743	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	273824	20.000	ng	0.00
86) Perylene-d12	15.510	264	220106	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	125954	18.761	ng	-0.02
7) Phenol-d6	6.487	99	154635	18.090	ng	-0.02
23) Nitrobenzene-d5	7.428	82	102857	14.206	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	44867	17.127	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	191956	14.137	ng	-0.01
79) Terphenyl-d14	12.975	244	223774	12.082	ng	-0.01
Target Compounds						Qvalue
22) Acetophenone	7.263	105	46384	4.754	ng	# 52
31) Naphthalene	8.175	128	161906	7.736	ng	97
33) 4-Chloroaniline	8.175	127	21908	2.965	ng	# 43
35) Caprolactam	8.575	113	18490	10.045	ng	# 1
37) 2-Methylnaphthalene	8.863	142	36229	2.590	ng	98
38) 1-Methylnaphthalene	8.963	142	29297	2.170	ng	95
52) Acenaphthene	9.939	154	55086	4.517	ng	97
54) 2,4-Dinitrophenol	9.839	184	55	6.603	ng	# 1
55) Dibenzofuran	10.110	168	73023	4.190	ng	# 98
58) Fluorene	10.457	166	87584	6.517	ng	98
71) Phenanthrene	11.416	178	618583	33.124	ng	99
72) Anthracene	11.469	178	172669	9.216	ng	99
73) Carbazole	11.622	167	58880	3.644	ng	98
75) Fluoranthene	12.610	202	775067	39.126	ng	99
78) Pyrene	12.839	202	639355	26.993	ng	99
81) Benzo(a)anthracene	14.022	228	288895	16.078	ng	97
83) Chrysene	14.057	228	237248	14.566	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	94955	6.669	ng	# 93
88) Benzo(b)fluoranthene	15.080	252	339003	22.473	ng	# 96
89) Benzo(k)fluoranthene	15.080	252	339003	26.260	ng	# 96
90) Benzo(a)pyrene	15.445	252	178224	15.099	ng	96
91) Dibenzo(a,h)anthracene	17.004	278	24222	2.062	ng	# 74
92) Benzo(g,h,i)perylene	17.445	276	90062	7.758	ng	99

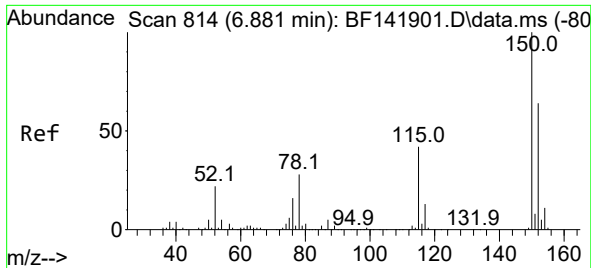
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142113.D
Acq On : 26 Mar 2025 23:05
Operator : RC/JU
Sample : Q1637-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-02-032525

Quant Time: Mar 27 01:07:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

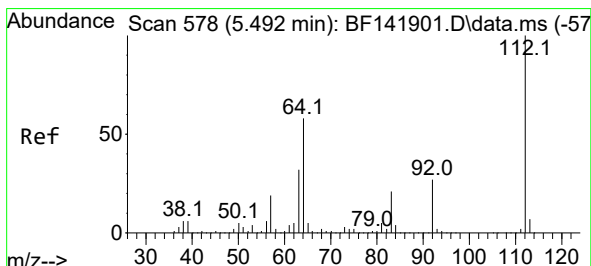
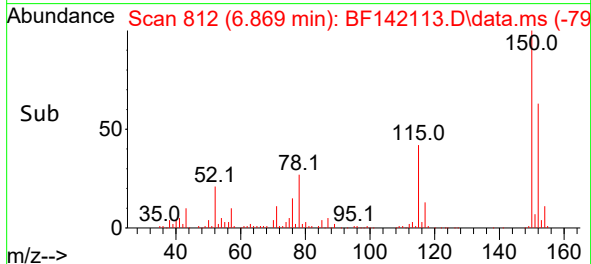
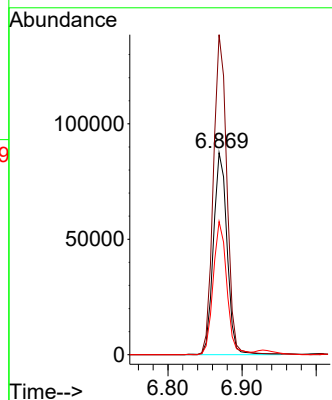
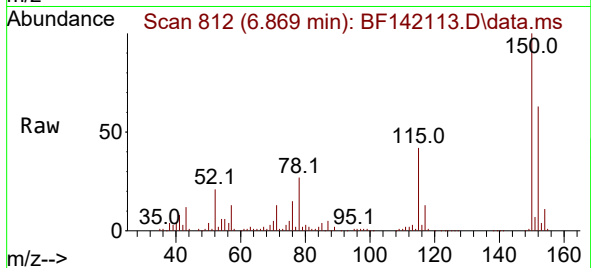




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

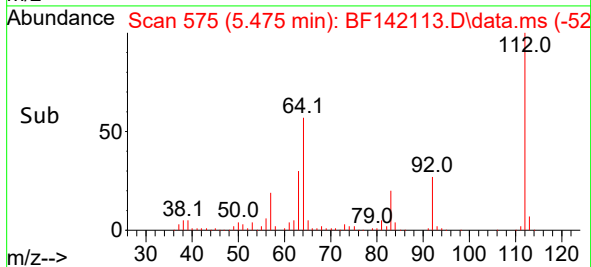
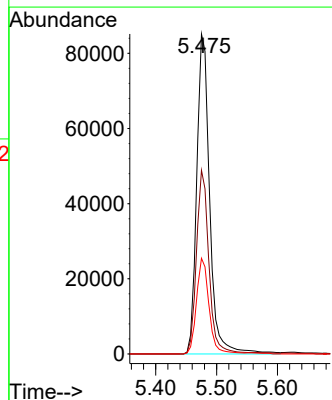
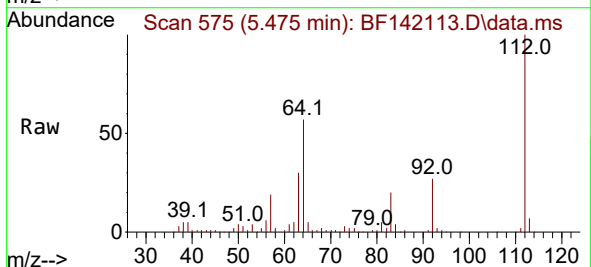
Instrument :
BNA_F
ClientSampleId :
EO-02-032525

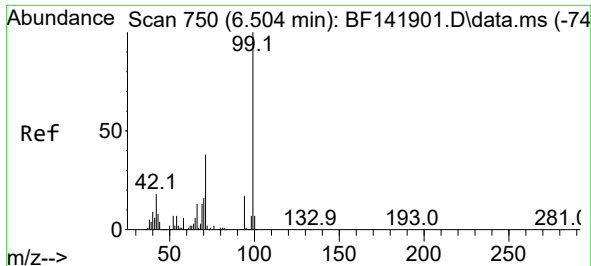
Tgt Ion:152 Resp: 112047
Ion Ratio Lower Upper
152 100
150 158.5 127.4 191.2
115 65.9 51.9 77.9



#5
2-Fluorophenol
Concen: 18.761 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.017 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

Tgt Ion:112 Resp: 125954
Ion Ratio Lower Upper
112 100
64 57.4 46.5 69.7
63 29.9 25.4 38.2

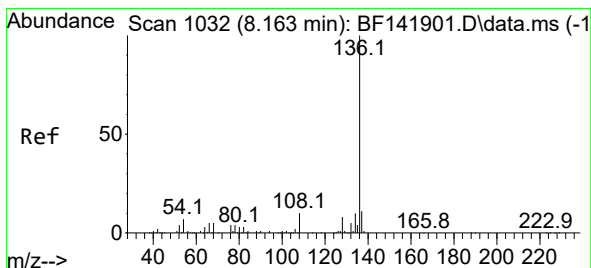
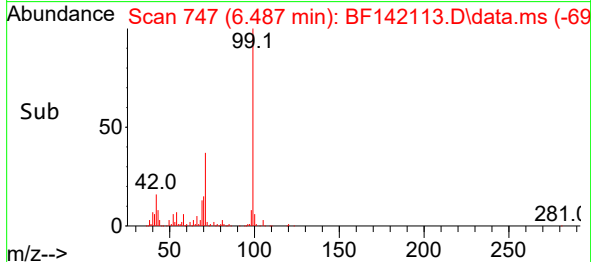
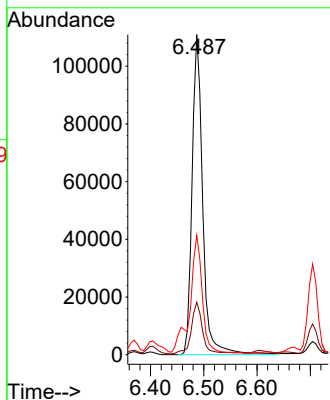
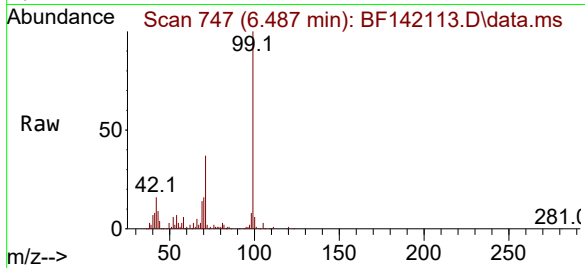




#7
Phenol-d6
Concen: 18.090 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.017 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

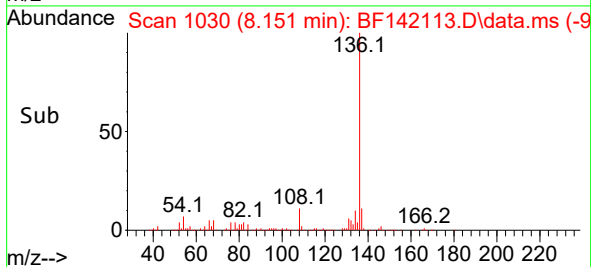
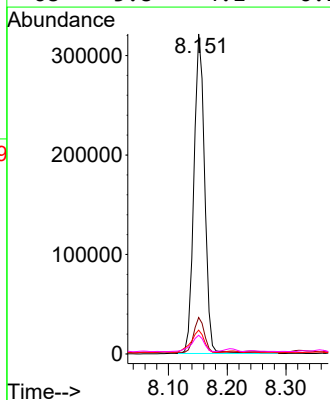
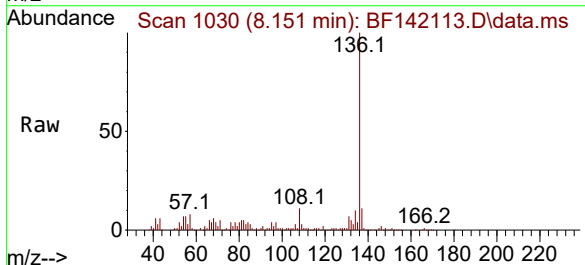
Instrument :
BNA_F
ClientSampleId :
EO-02-032525

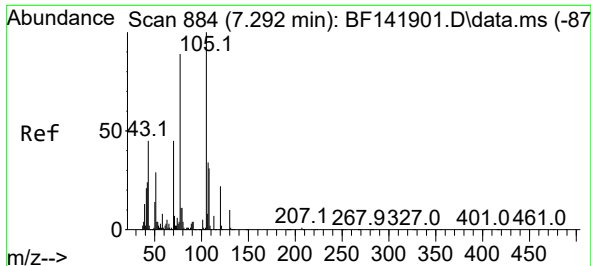
Tgt Ion: 99 Resp: 154635
Ion Ratio Lower Upper
99 100
42 16.4 14.6 21.8
71 37.3 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

Tgt Ion: 136 Resp: 407447
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 7.5 5.8 8.8
68 5.8 4.1 6.1

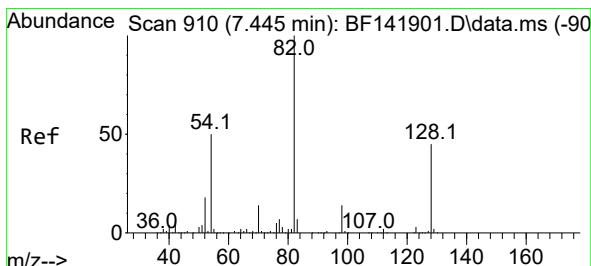
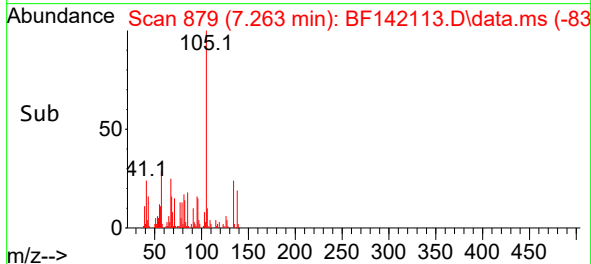
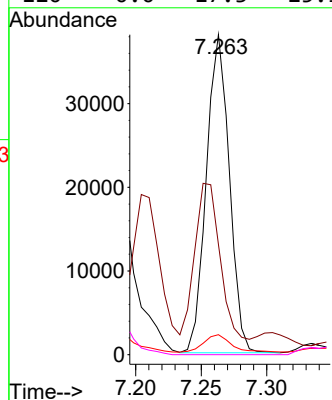
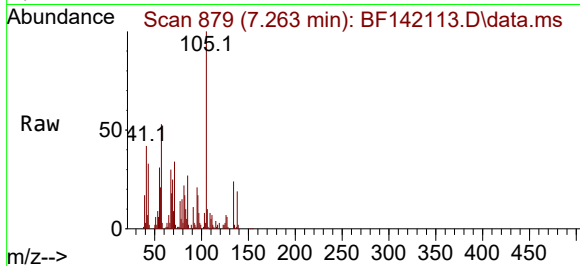




#22
Acetophenone
Concen: 4.754 ng
RT: 7.263 min Scan# 81
Delta R.T. -0.029 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

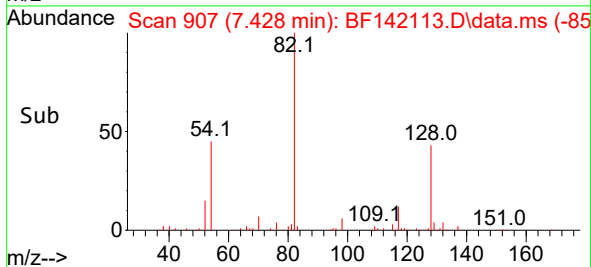
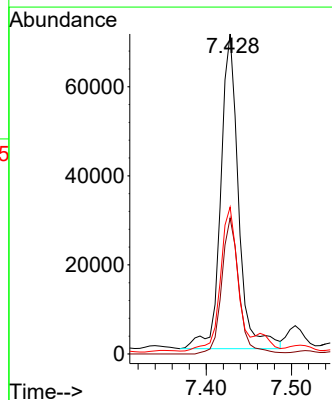
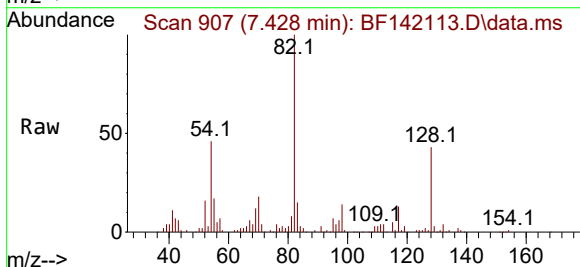
Instrument :
BNA_F
ClientSampleId :
EO-02-032525

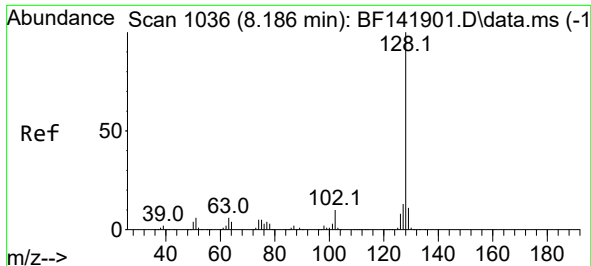
Tgt Ion:	105	Resp:	46384
Ion Ratio	Lower	Upper	
105	100		
71	34.4	5.8	8.8#
51	6.2	23.4	35.0#
120	0.0	17.3	25.9#



#23
Nitrobenzene-d5
Concen: 14.206 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.017 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

Tgt Ion:	82	Resp:	102857
Ion Ratio	Lower	Upper	
82	100		
128	42.5	36.0	54.0
54	45.9	39.6	59.4

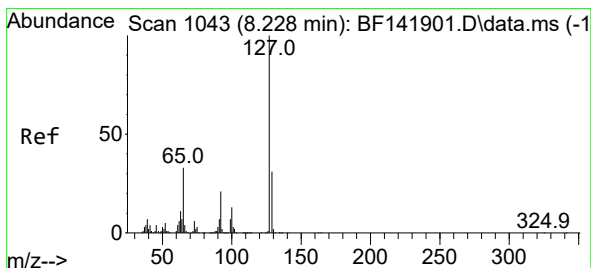
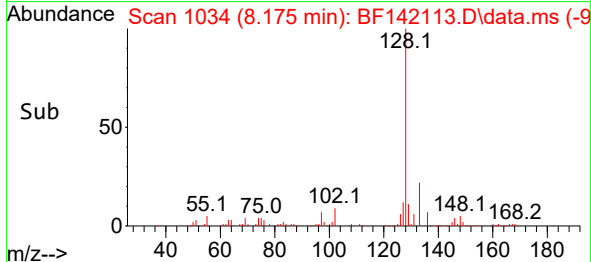
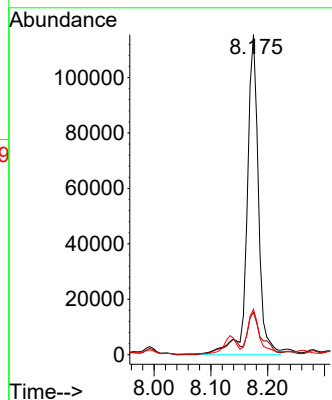
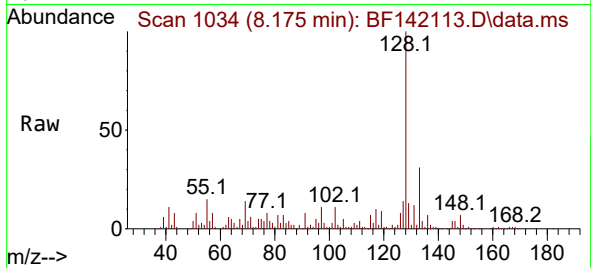




#31
Naphthalene
Concen: 7.736 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

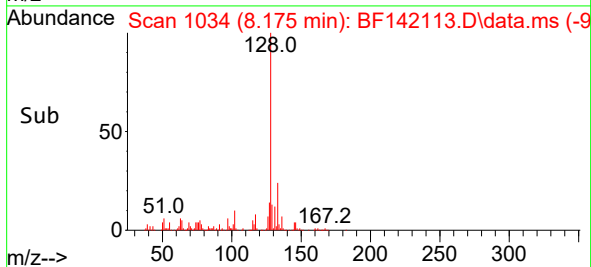
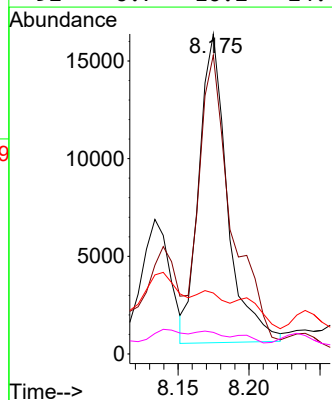
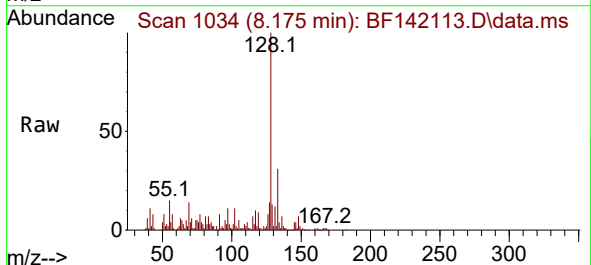
Instrument :
BNA_F
ClientSampleId :
EO-02-032525

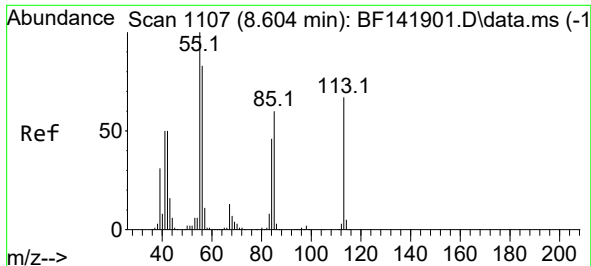
Tgt Ion:128 Resp: 161906
Ion Ratio Lower Upper
128 100
129 13.3 9.0 13.6
127 14.2 10.8 16.2



#33
4-Chloroaniline
Concen: 2.965 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.053 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

Tgt Ion:127 Resp: 21908
Ion Ratio Lower Upper
127 100
129 93.4 26.2 39.4#
65 19.0 25.4 38.2#
92 6.7 16.2 24.4#

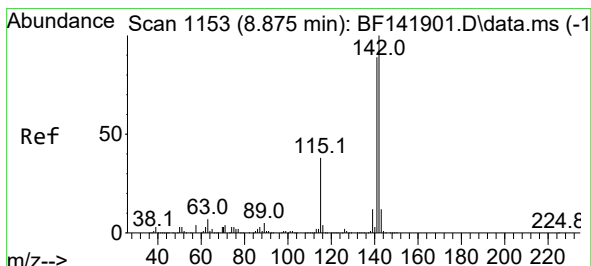
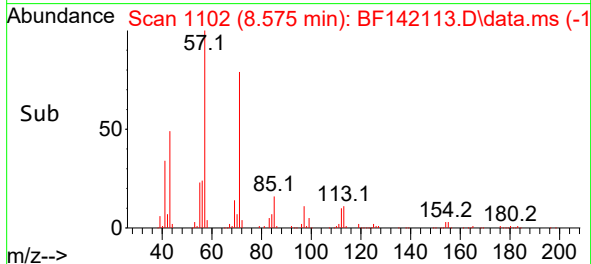
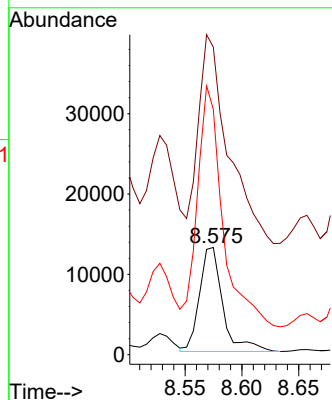
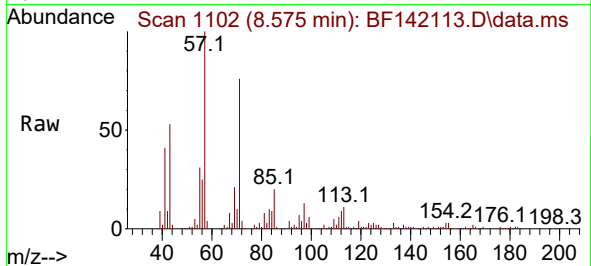




#35
Caprolactam
Concen: 10.045 ng
RT: 8.575 min Scan# 1107
Delta R.T. -0.029 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

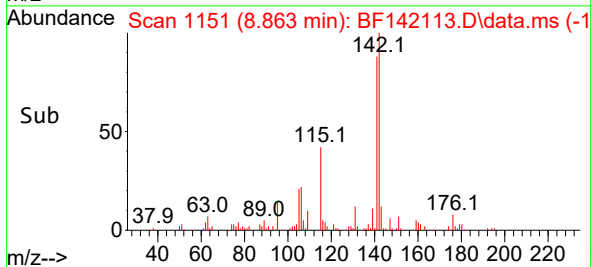
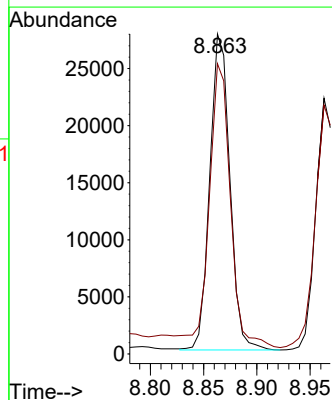
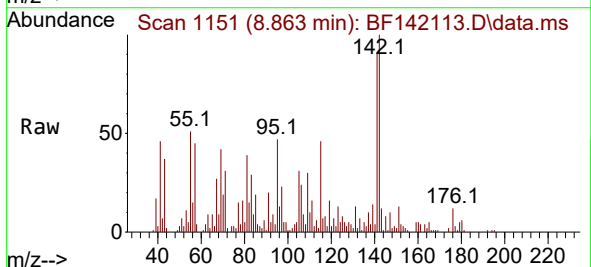
Instrument :
BNA_F
ClientSampleId :
EO-02-032525

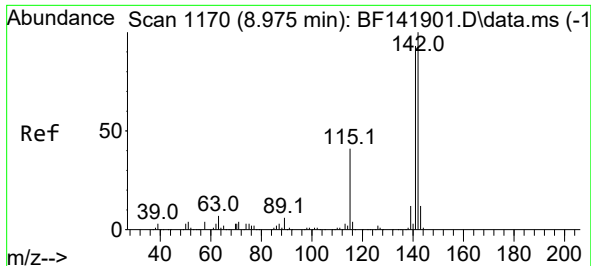
Tgt Ion:113 Resp: 18490
Ion Ratio Lower Upper
113 100
55 287.0 129.6 169.6#
56 228.9 104.0 144.0#



#37
2-Methylnaphthalene
Concen: 2.590 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.012 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

Tgt Ion:142 Resp: 36229
Ion Ratio Lower Upper
142 100
141 90.7 71.2 106.8





#38

1-Methylnaphthalene

Concen: 2.170 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.012 min

Lab File: BF142113.D

Acq: 26 Mar 2025 23:05

Instrument :

BNA_F

ClientSampleId :

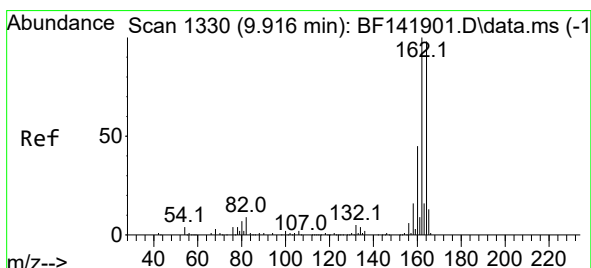
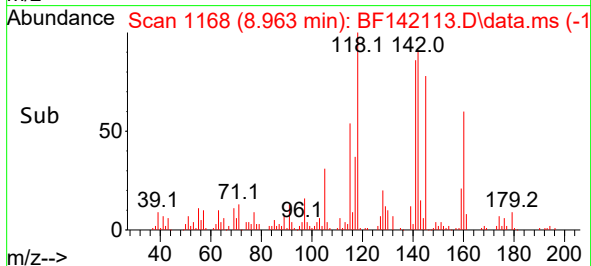
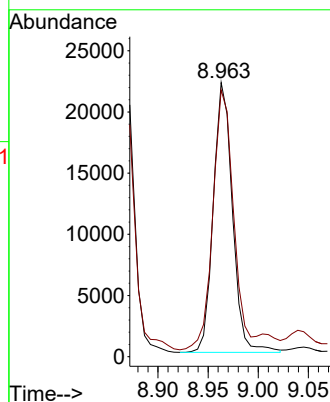
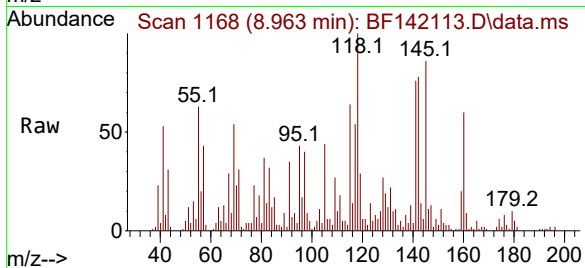
EO-02-032525

Tgt Ion:142 Resp: 29297

Ion Ratio Lower Upper

142 100

141 97.3 74.2 111.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF142113.D

Acq: 26 Mar 2025 23:05

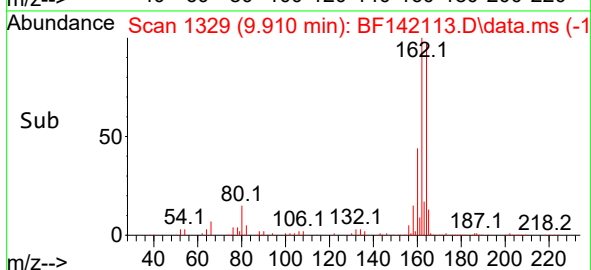
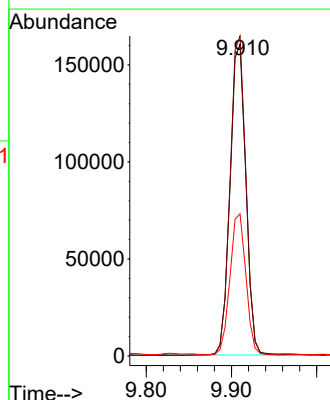
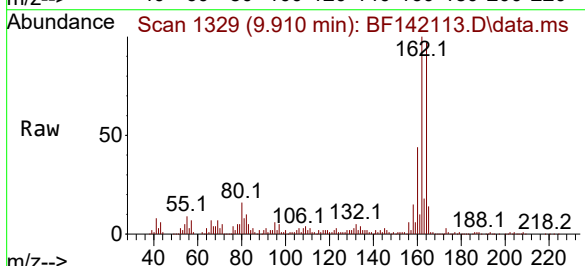
Tgt Ion:164 Resp: 206500

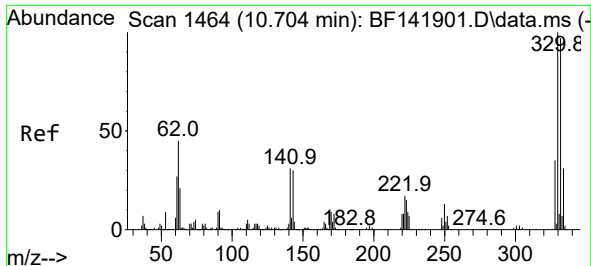
Ion Ratio Lower Upper

164 100

162 102.7 81.8 122.6

160 45.6 36.7 55.1

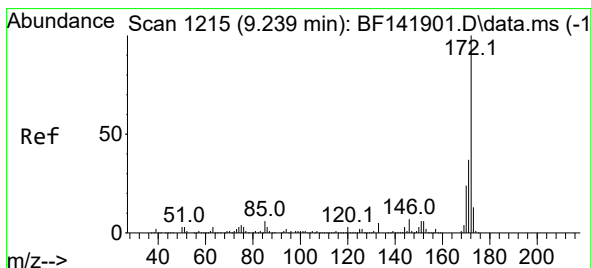
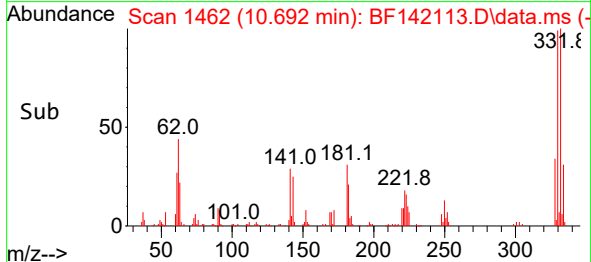
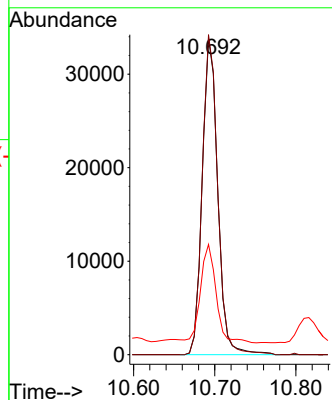
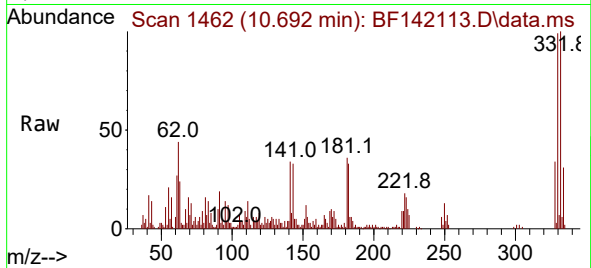




#42
2,4,6-Tribromophenol
Concen: 17.127 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

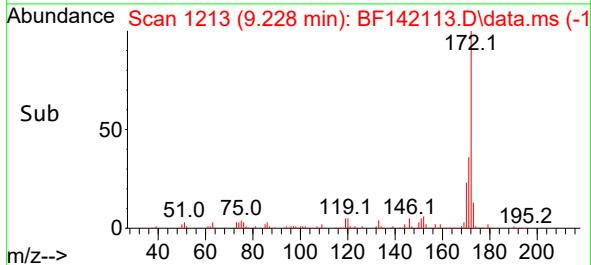
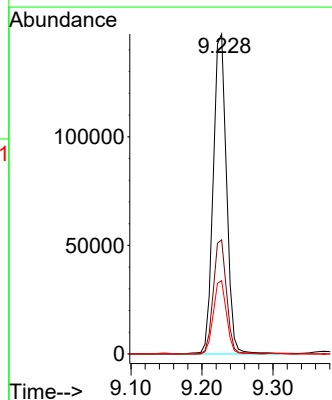
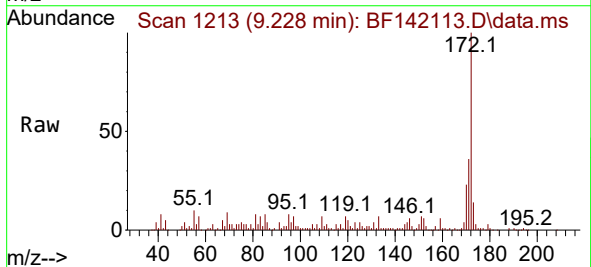
Instrument :
BNA_F
ClientSampleId :
EO-02-032525

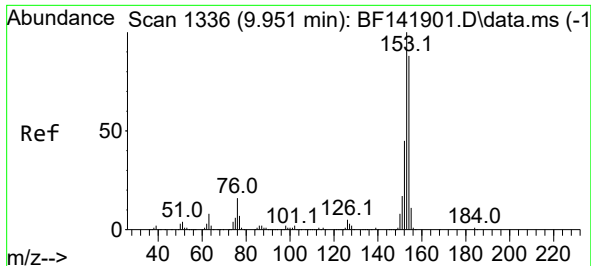
Tgt Ion: 330 Resp: 44867
Ion Ratio Lower Upper
330 100
332 100.5 77.6 116.4
141 31.2 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 14.137 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

Tgt Ion: 172 Resp: 191956
Ion Ratio Lower Upper
172 100
171 35.7 29.3 43.9
170 22.9 19.4 29.0

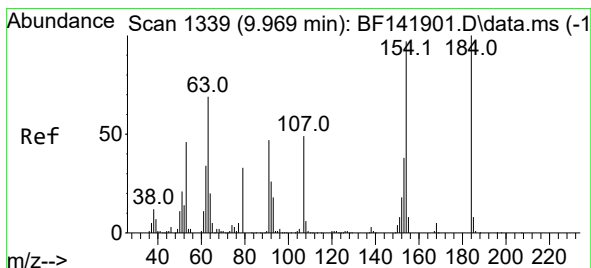
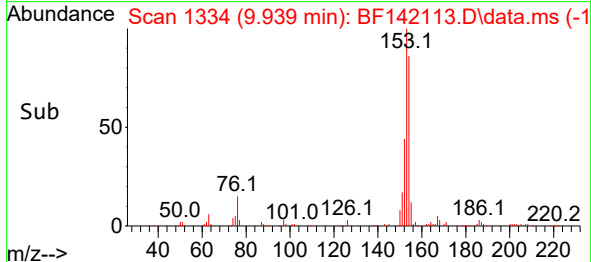
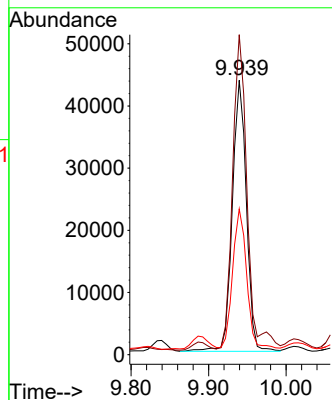
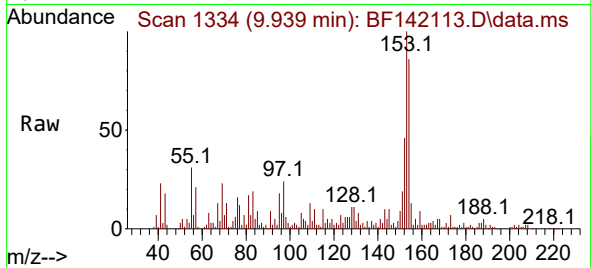




#52
Acenaphthene
Concen: 4.517 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

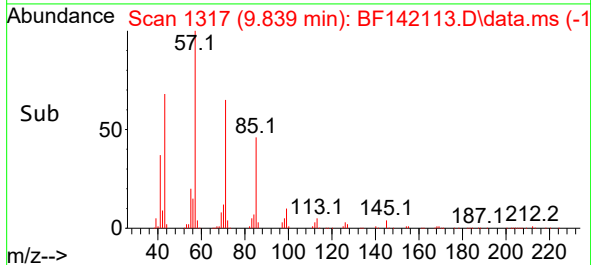
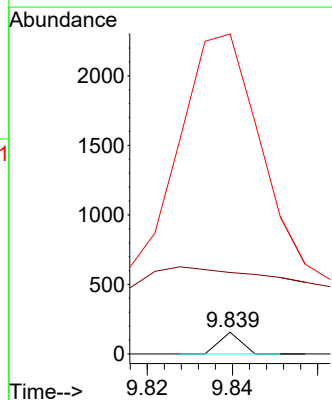
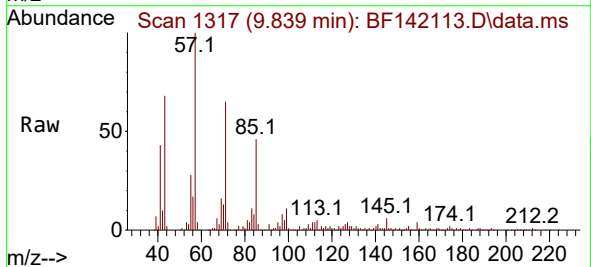
Instrument :
BNA_F
ClientSampleId :
EO-02-032525

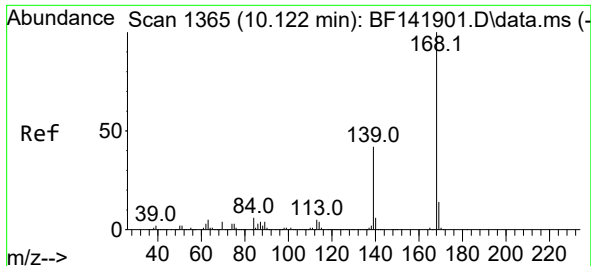
Tgt Ion:154 Resp: 55086
Ion Ratio Lower Upper
154 100
153 116.6 90.7 136.1
152 53.1 41.1 61.7



#54
2,4-Dinitrophenol
Concen: 6.603 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.130 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 373.2 60.2 90.4#
154 1465.6 132.9 199.3#

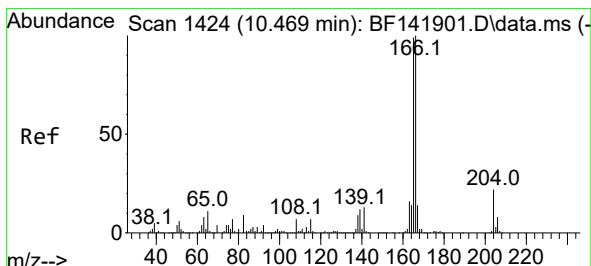
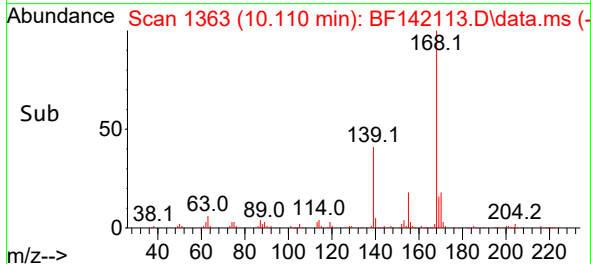
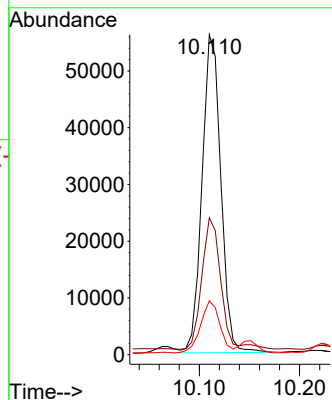
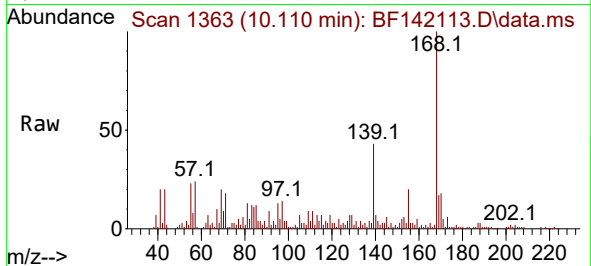




#55
Dibenzenofuran
Concen: 4.190 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

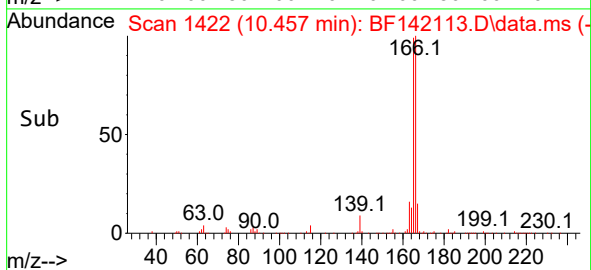
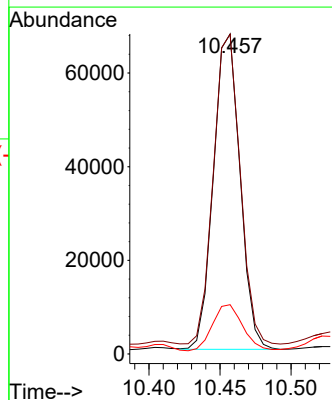
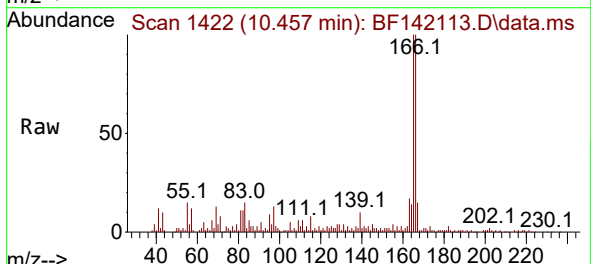
Instrument :
BNA_F
ClientSampleId :
EO-02-032525

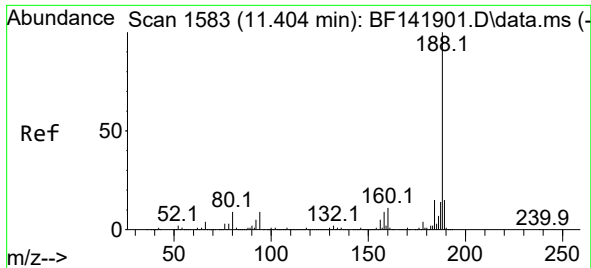
Tgt Ion:168 Resp: 73023
Ion Ratio Lower Upper
168 100
139 42.8 33.9 50.9
169 16.9 11.0 16.4#



#58
Fluorene
Concen: 6.517 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

Tgt Ion:166 Resp: 87584
Ion Ratio Lower Upper
166 100
165 99.9 79.0 118.4
167 15.4 11.0 16.4

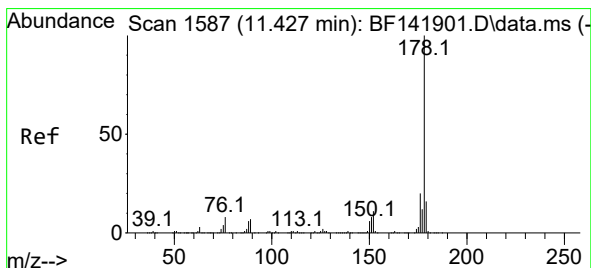
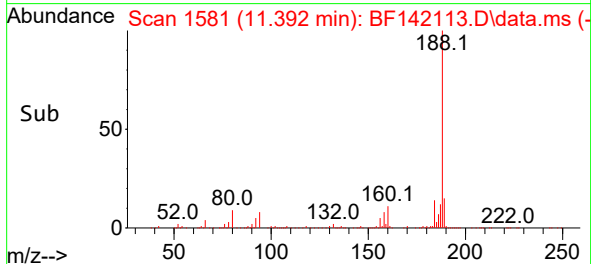
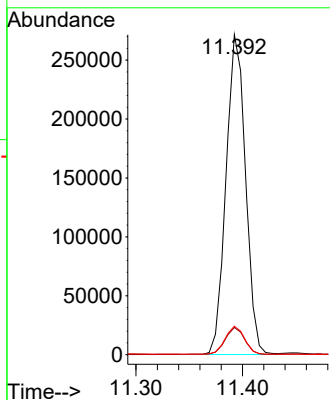
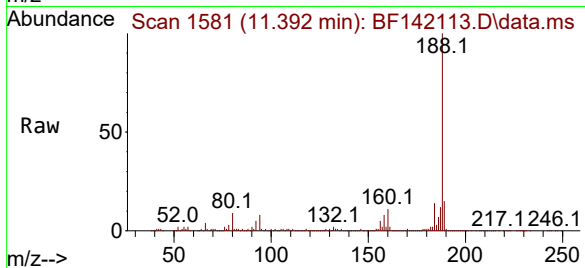




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

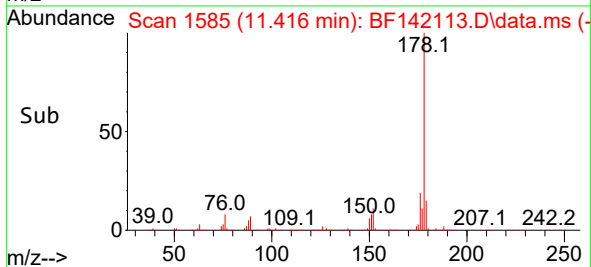
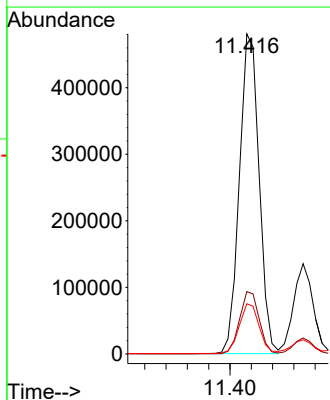
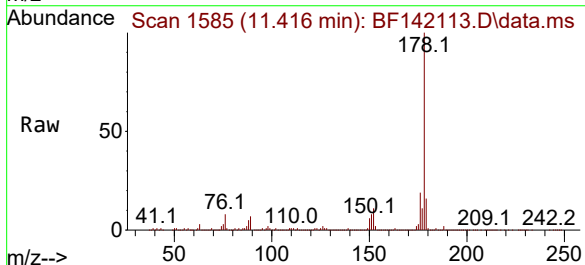
Instrument :
BNA_F
ClientSampleId :
EO-02-032525

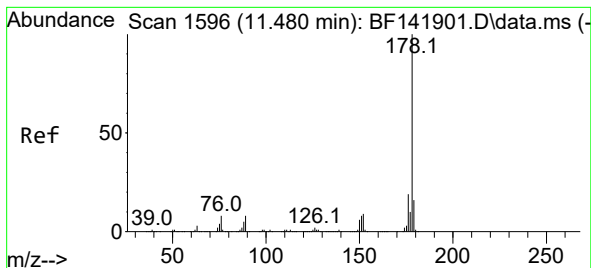
Tgt Ion:188 Resp: 345743
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 8.9 7.6 11.4



#71
Phenanthrene
Concen: 33.124 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

Tgt Ion:178 Resp: 618583
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.7 12.6 19.0





#72

Anthracene

Concen: 9.216 ng

RT: 11.469 min Scan# 1594

Delta R.T. -0.012 min

Lab File: BF142113.D

Acq: 26 Mar 2025 23:05

Instrument :

BNA_F

ClientSampleId :

EO-02-032525

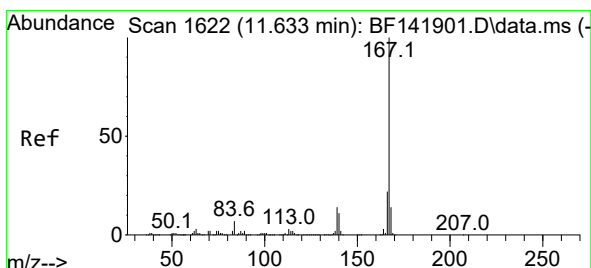
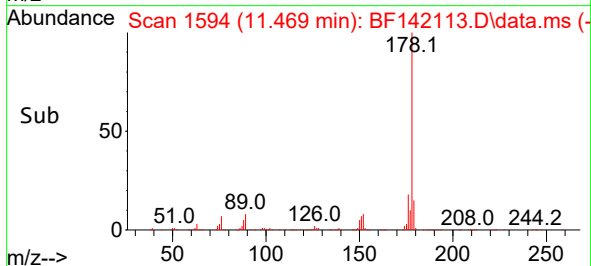
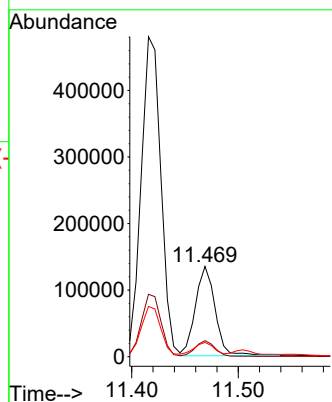
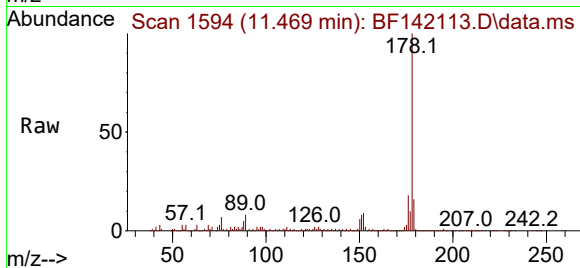
Tgt Ion:178 Resp: 172669

Ion Ratio Lower Upper

178 100

176 17.8 15.1 22.7

179 15.9 12.6 19.0



#73

Carbazole

Concen: 3.644 ng

RT: 11.622 min Scan# 1620

Delta R.T. -0.012 min

Lab File: BF142113.D

Acq: 26 Mar 2025 23:05

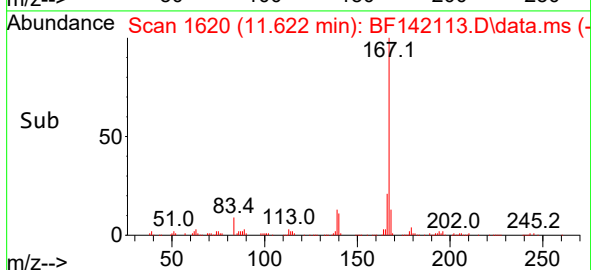
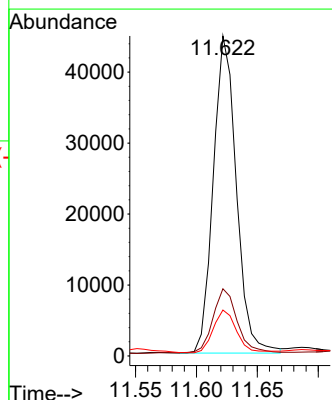
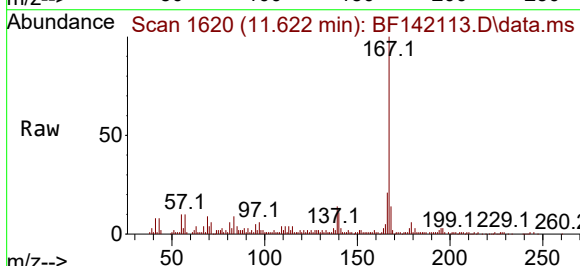
Tgt Ion:167 Resp: 58880

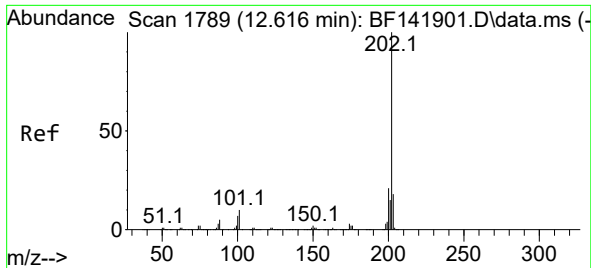
Ion Ratio Lower Upper

167 100

166 21.0 17.4 26.2

139 14.3 11.0 16.6

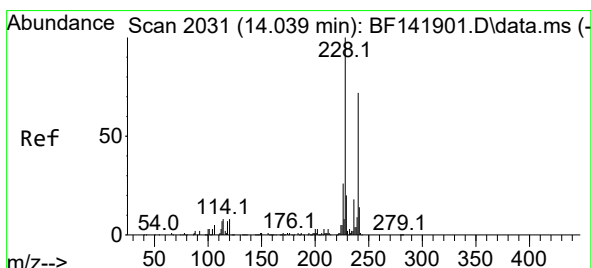
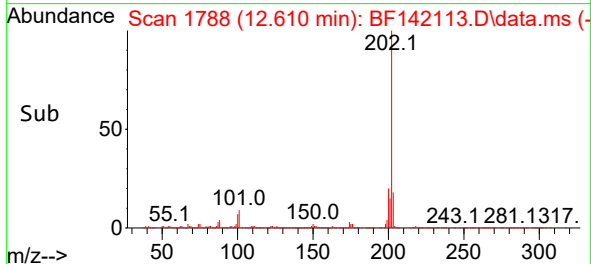
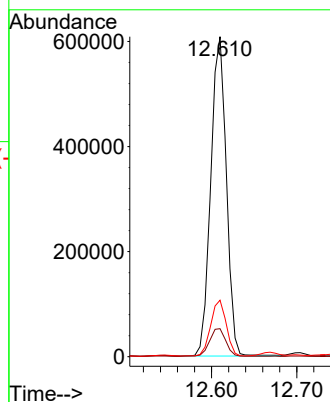
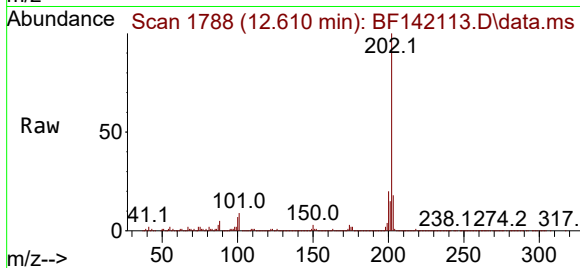




#75
Fluoranthene
Concen: 39.126 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

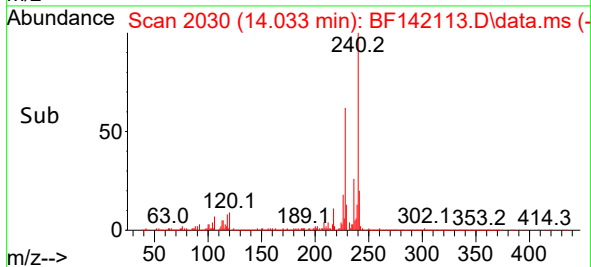
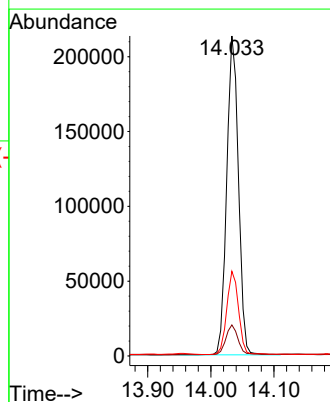
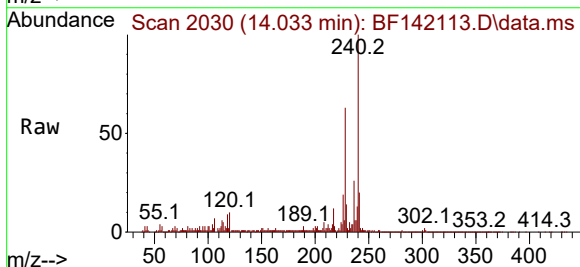
Instrument :
BNA_F
ClientSampleId :
EO-02-032525

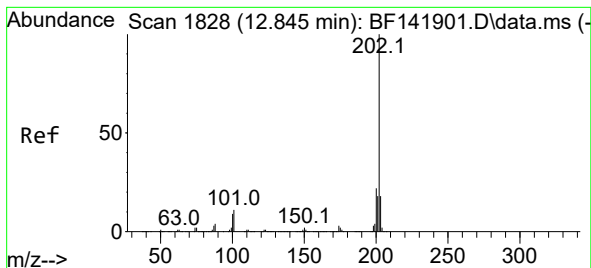
Tgt Ion:202 Resp: 775067
Ion Ratio Lower Upper
202 100
101 8.8 0.0 29.7
203 17.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

Tgt Ion:240 Resp: 273824
Ion Ratio Lower Upper
240 100
120 9.7 8.4 12.6
236 26.5 20.5 30.7





#78

Pyrene

Concen: 26.993 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF142113.D

Acq: 26 Mar 2025 23:05

Instrument :

BNA_F

ClientSampleId :

EO-02-032525

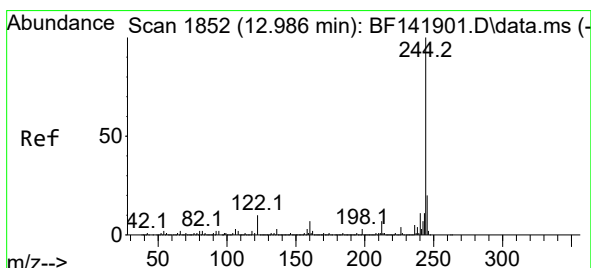
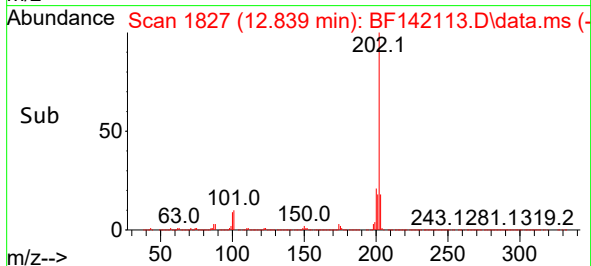
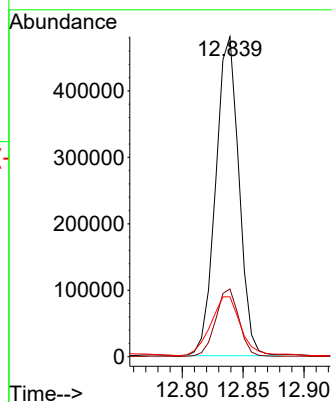
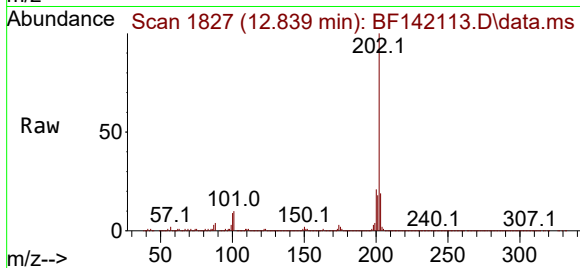
Tgt Ion:202 Resp: 639355

Ion Ratio Lower Upper

202 100

200 21.2 17.3 25.9

203 18.7 14.4 21.6



#79

Terphenyl-d14

Concen: 12.082 ng

RT: 12.975 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF142113.D

Acq: 26 Mar 2025 23:05

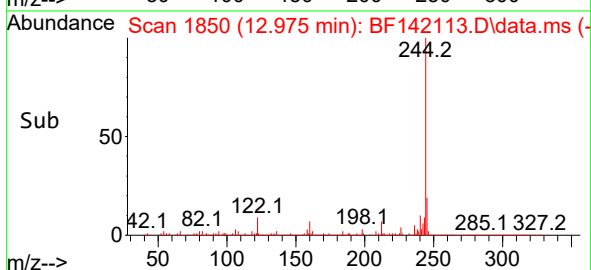
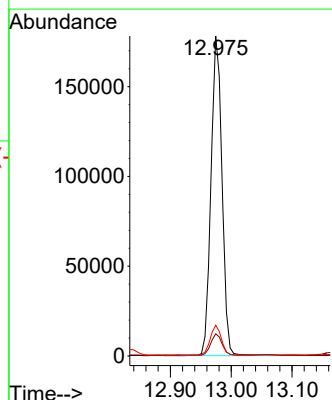
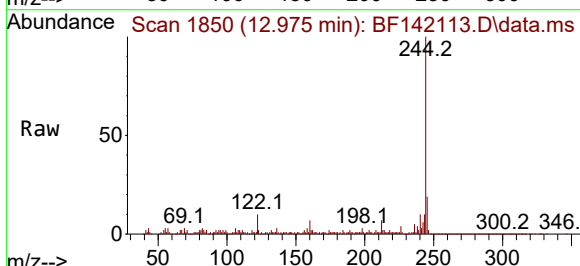
Tgt Ion:244 Resp: 223774

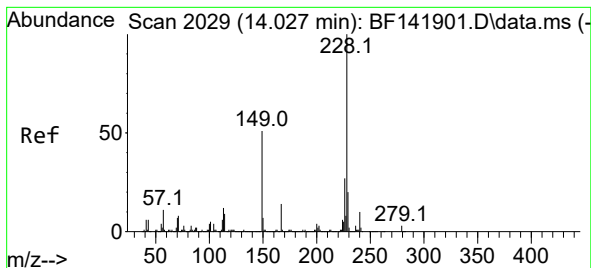
Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 9.6 7.7 11.5





#81

Benzo(a)anthracene

Concen: 16.078 ng

RT: 14.022 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF142113.D

Acq: 26 Mar 2025 23:05

Instrument :

BNA_F

ClientSampleId :

EO-02-032525

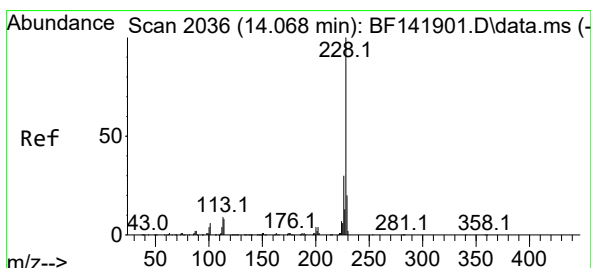
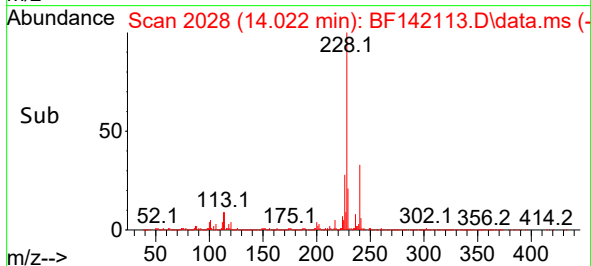
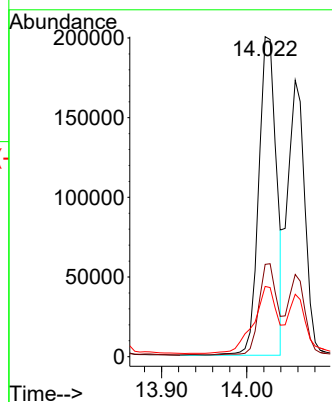
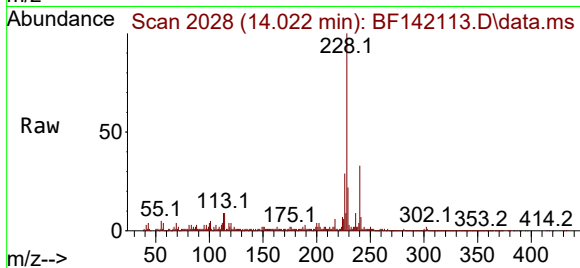
Tgt Ion:228 Resp: 288895

Ion Ratio Lower Upper

228 100

226 28.8 21.8 32.8

229 21.9 16.0 24.0



#83

Chrysene

Concen: 14.566 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.012 min

Lab File: BF142113.D

Acq: 26 Mar 2025 23:05

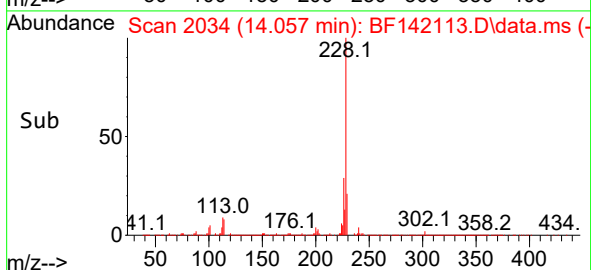
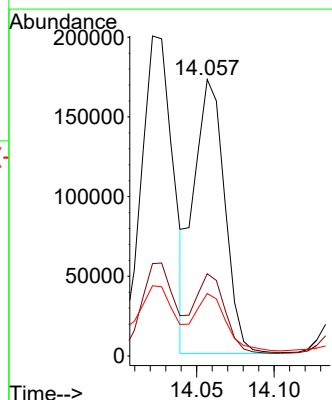
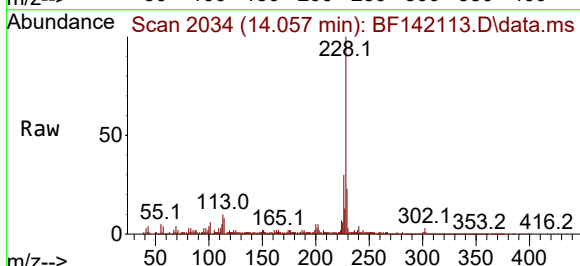
Tgt Ion:228 Resp: 237248

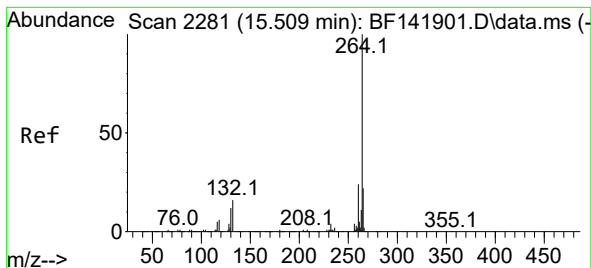
Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

229 22.6 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142113.D

Acq: 26 Mar 2025 23:05

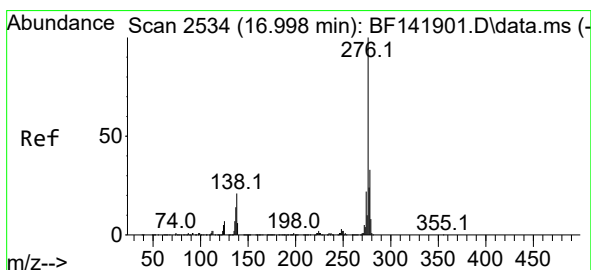
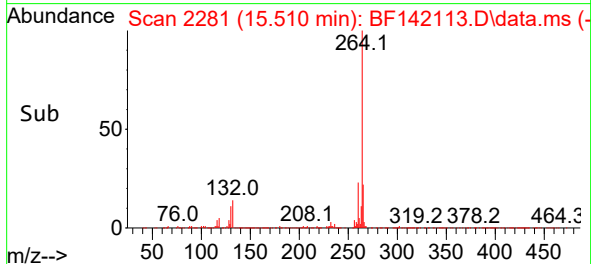
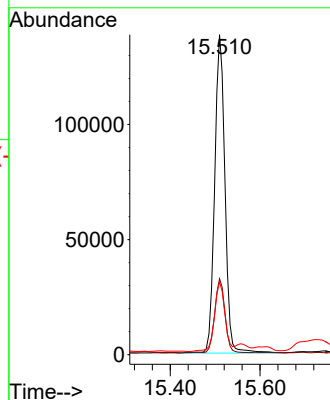
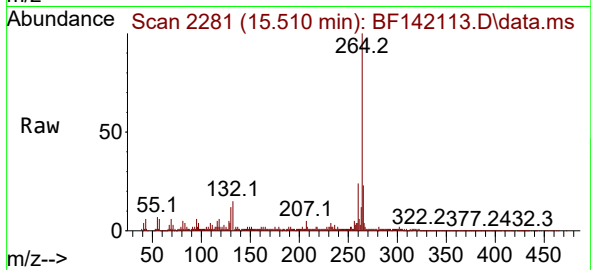
Instrument :

BNA_F

ClientSampleId :

EO-02-032525

Tgt Ion:264	Resp:	220106
Ion Ratio	Lower	Upper
264	100	
260	23.7	19.1 28.7
265	22.7	17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.669 ng

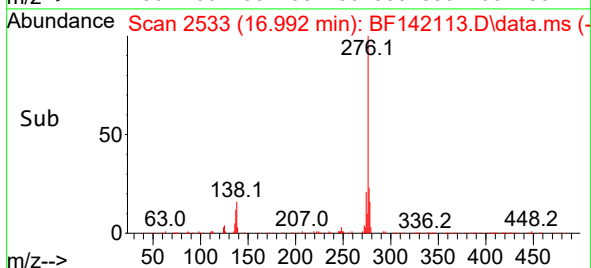
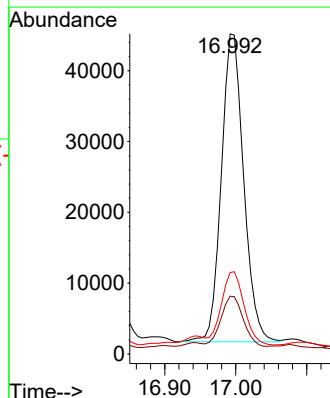
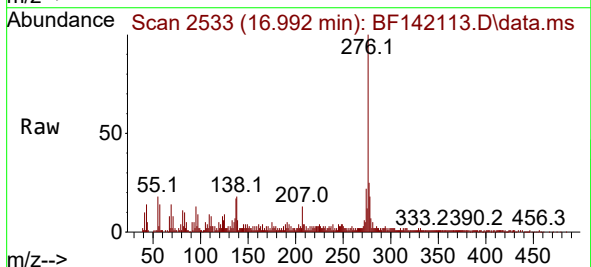
RT: 16.992 min Scan# 2533

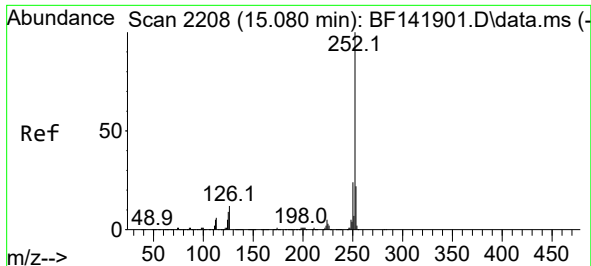
Delta R.T. -0.006 min

Lab File: BF142113.D

Acq: 26 Mar 2025 23:05

Tgt Ion:276	Resp:	94955
Ion Ratio	Lower	Upper
276	100	
138	16.7	18.4 27.6#
277	24.2	20.3 30.5

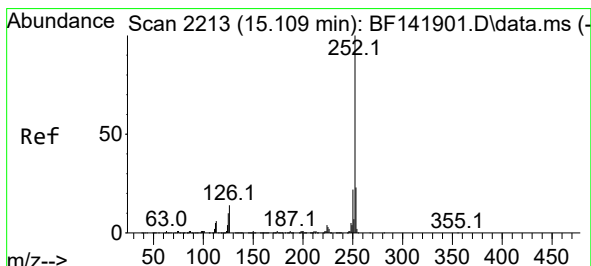
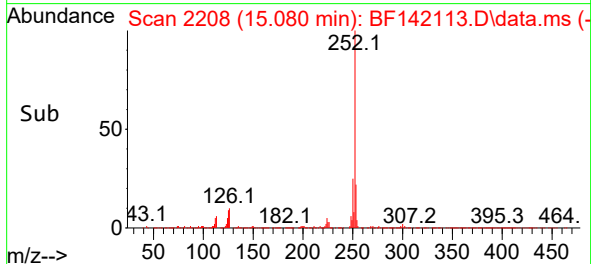
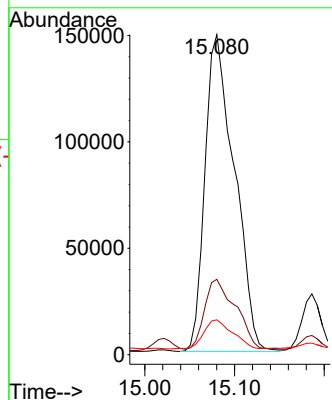
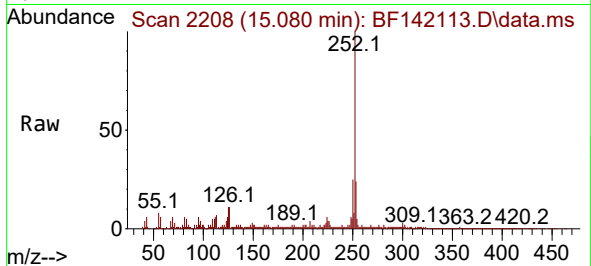




#88
Benzo(b)fluoranthene
Concen: 22.473 ng
RT: 15.080 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

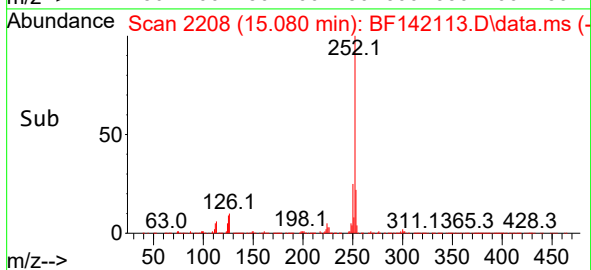
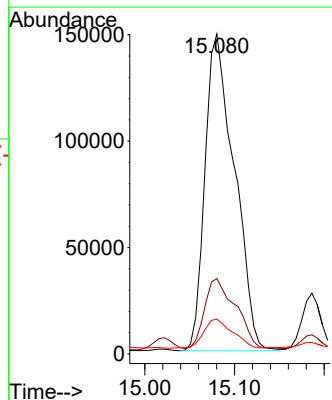
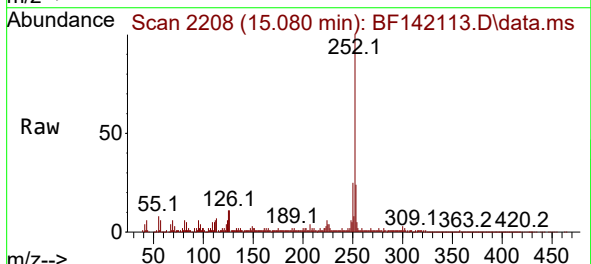
Instrument :
BNA_F
ClientSampleId :
EO-02-032525

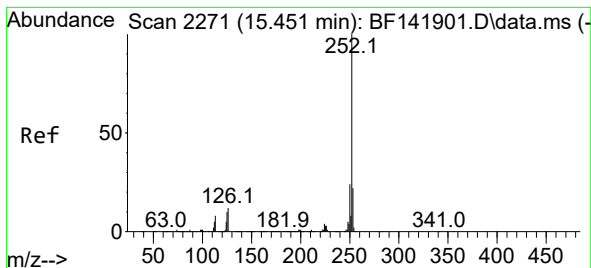
Tgt Ion:252 Resp: 339003
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.9 7.0 10.4#



#89
Benzo(k)fluoranthene
Concen: 26.260 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.029 min
Lab File: BF142113.D
Acq: 26 Mar 2025 23:05

Tgt Ion:252 Resp: 339003
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 10.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 15.099 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142113.D

Acq: 26 Mar 2025 23:05

Instrument :

BNA_F

ClientSampleId :

EO-02-032525

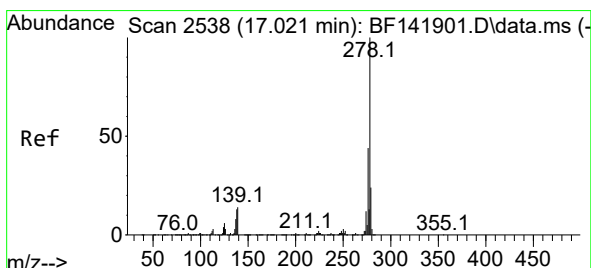
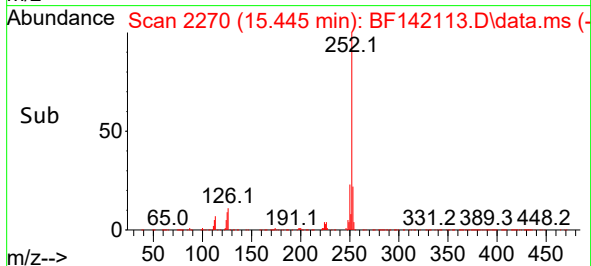
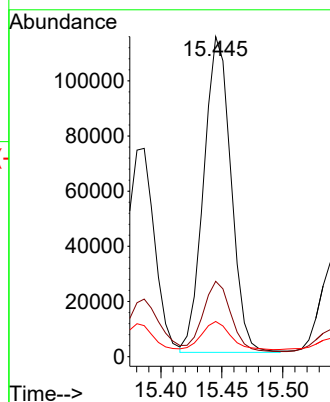
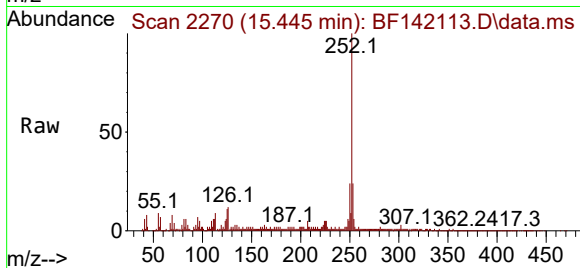
Tgt Ion:252 Resp: 178224

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 11.0 7.8 11.8



#91

Dibenzo(a,h)anthracene

Concen: 2.062 ng

RT: 17.004 min Scan# 2535

Delta R.T. -0.017 min

Lab File: BF142113.D

Acq: 26 Mar 2025 23:05

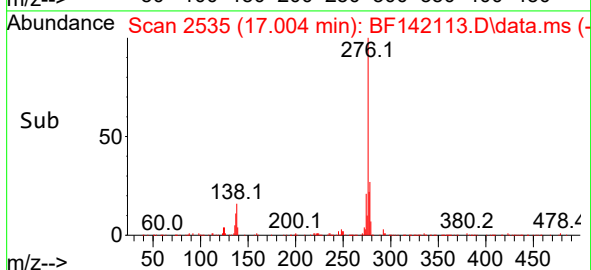
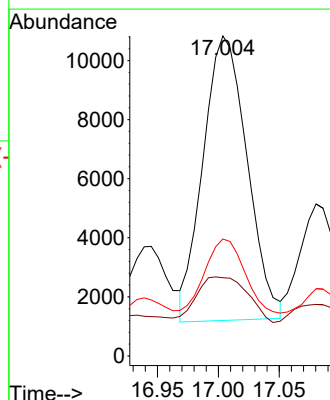
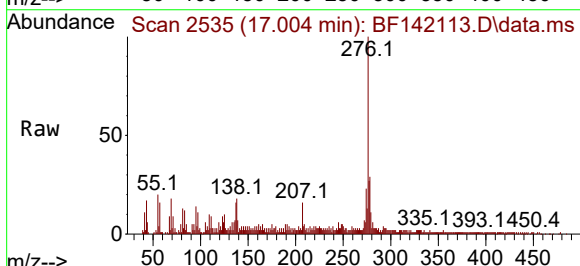
Tgt Ion:278 Resp: 24222

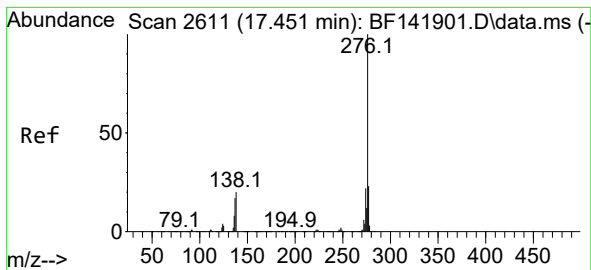
Ion Ratio Lower Upper

278 100

139 24.4 11.4 17.2#

279 36.5 18.8 28.2#





#92

Benzo(g,h,i)perylene

Concen: 7.758 ng

RT: 17.445 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142113.D

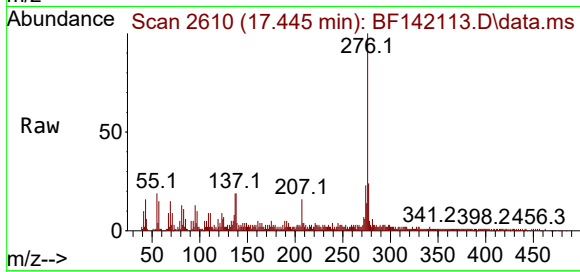
Acq: 26 Mar 2025 23:05

Instrument :

BNA_F

ClientSampleId :

EO-02-032525



Tgt Ion:276 Resp: 90062

Ion Ratio Lower Upper

276 100

277 24.1 18.7 28.1

138 19.4 15.8 23.8

