

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
 Data File : BF141239.D
 Acq On : 22 Jan 2025 17:06
 Operator : RC/JU
 Sample : Q1142-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-1-012125

Quant Time: Jan 22 17:35:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

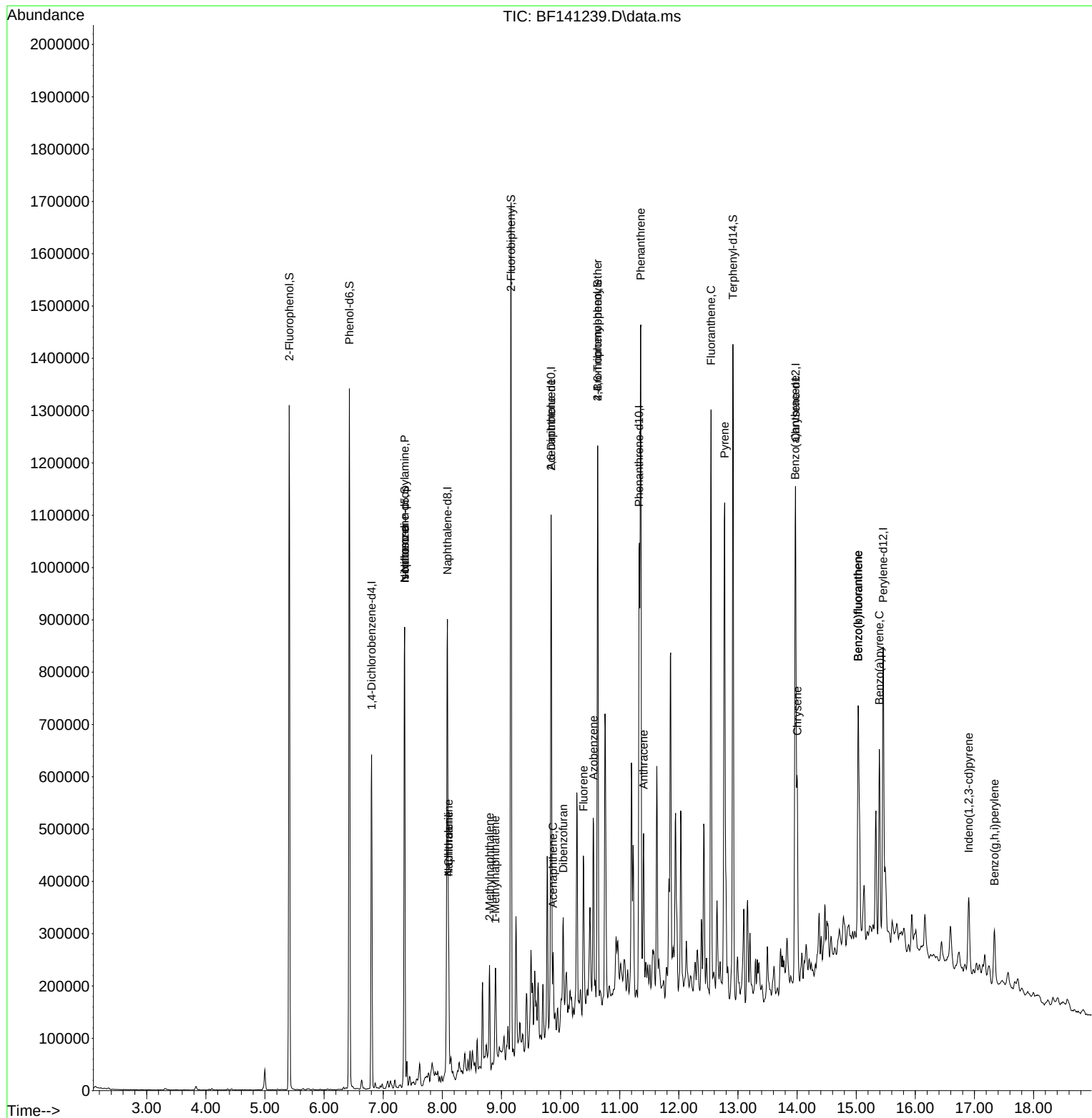
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	133033	20.000	ng	-0.02
21) Naphthalene-d8	8.087	136	537232	20.000	ng	-0.02
39) Acenaphthene-d10	9.839	164	283396	20.000	ng	-0.02
64) Phenanthrene-d10	11.327	188	449607	20.000	ng	-0.02
76) Chrysene-d12	13.974	240	306146	20.000	ng	-0.01
86) Perylene-d12	15.457	264	323998	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	494501	57.422	ng	-0.02
7) Phenol-d6	6.428	99	616053	56.475	ng	-0.02
23) Nitrobenzene-d5	7.363	82	390045	38.486	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	184140	57.025	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	724451	39.036	ng	-0.02
79) Terphenyl-d14	12.916	244	608238	29.529	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	50801	7.906	ng	# 76
25) Isophorone	7.363	82	386593	22.321	ng	# 65
31) Naphthalene	8.104	128	152216	5.373	ng	99
33) 4-Chloroaniline	8.104	127	21124	2.156	ng	# 33
37) 2-Methylnaphthalene	8.798	142	74633	4.134	ng	98
38) 1-Methylnaphthalene	8.898	142	58921	3.312	ng	99
51) 2,6-Dinitrotoluene	9.839	165	40782	9.218	ng	# 28
52) Acenaphthene	9.875	154	42569	2.488	ng	98
55) Dibenzofuran	10.045	168	68357	2.937	ng	# 95
58) Fluorene	10.386	166	113147	6.258	ng	98
63) Azobenzene	10.557	77	79522	4.339	ng	# 1
67) 4-Bromophenyl-phenylether	10.628	248	11088	2.142	ng	# 1
71) Phenanthrene	11.357	178	695862	28.829	ng	99
72) Anthracene	11.404	178	154721	6.592	ng	100
75) Fluoranthene	12.545	202	628909	26.109	ng	98
78) Pyrene	12.774	202	546354	18.685	ng	99
81) Benzo(a)anthracene	13.969	228	279072	13.394	ng	95
83) Chrysene	14.004	228	205616	10.547	ng	97
87) Indeno(1,2,3-cd)pyrene	16.904	276	108864	4.586	ng	# 93
88) Benzo(b)fluoranthene	15.033	252	395698	18.940	ng	97
89) Benzo(k)fluoranthene	15.033	252	395698	22.412	ng	97
90) Benzo(a)pyrene	15.392	252	219637	12.742	ng	99
92) Benzo(g,h,i)perylene	17.339	276	93536	4.684	ng	98

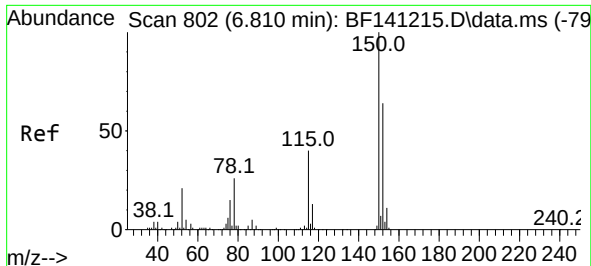
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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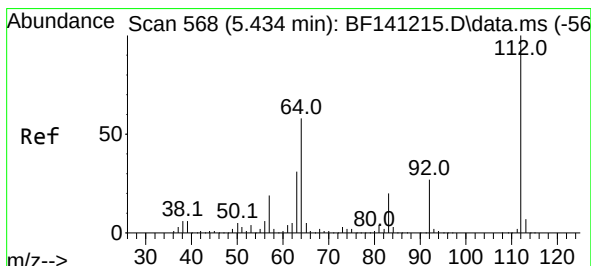
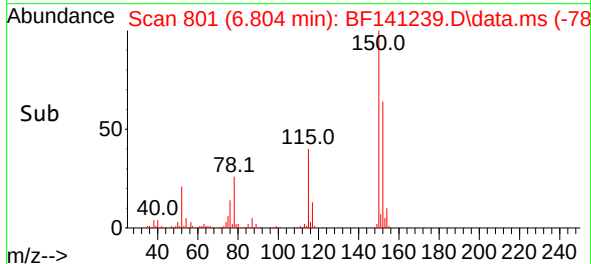
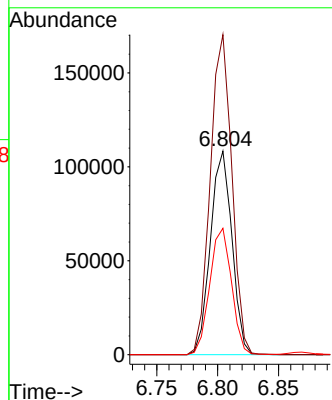
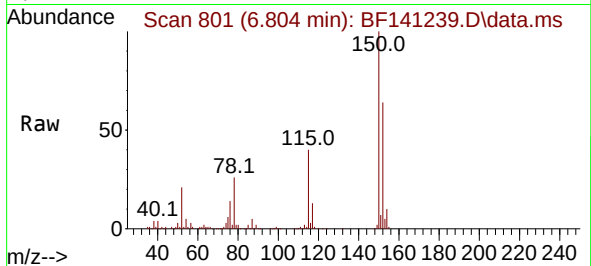




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 801
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

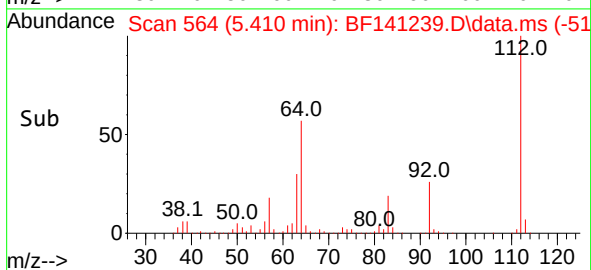
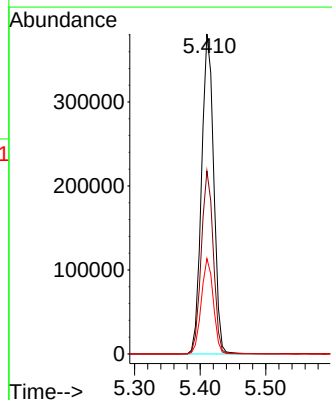
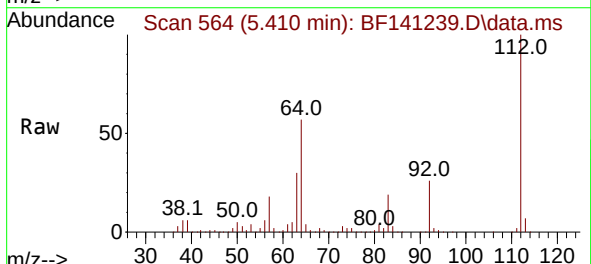
Instrument :
BNA_F
ClientSampleId :
PL-1-012125

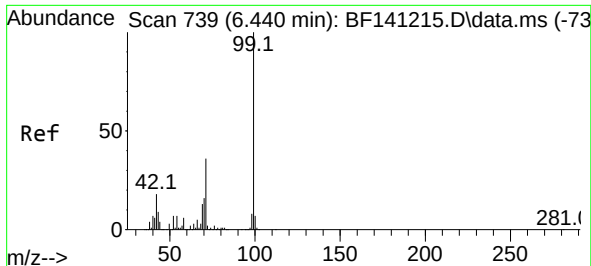
Tgt Ion:152 Resp: 133033
Ion Ratio Lower Upper
152 100
150 157.2 125.8 188.8
115 62.1 51.4 77.2



#5
2-Fluorophenol
Concen: 57.422 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:112 Resp: 494501
Ion Ratio Lower Upper
112 100
64 57.2 47.3 70.9
63 29.8 24.2 36.2





#7
Phenol-d6
Concen: 56.475 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

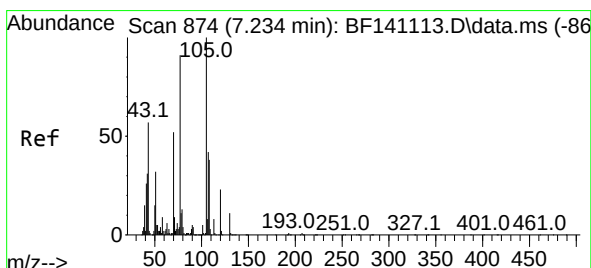
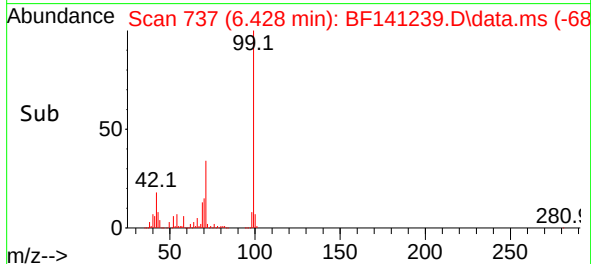
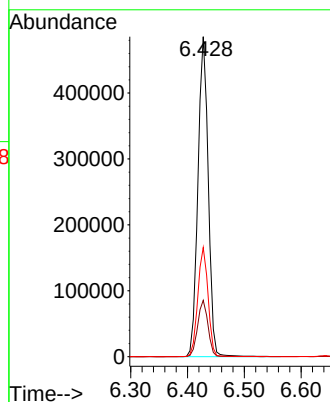
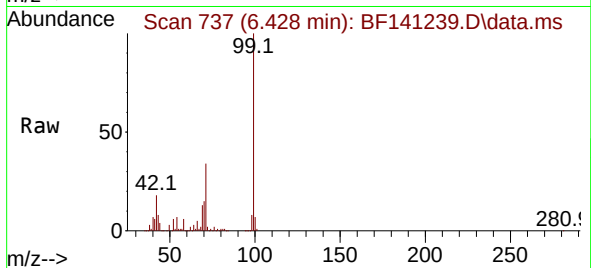
Instrument :

BNA_F

ClientSampleId :

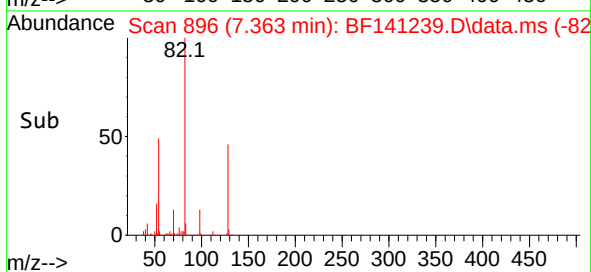
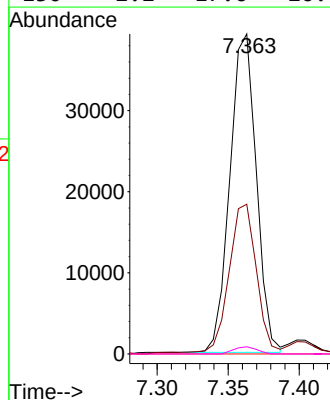
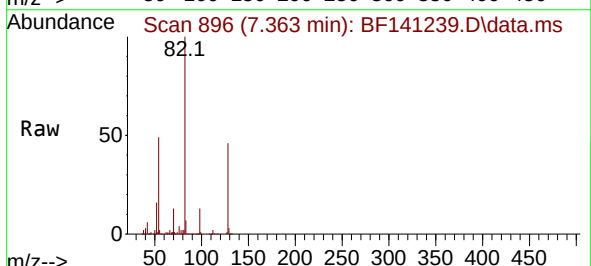
PL-1-012125

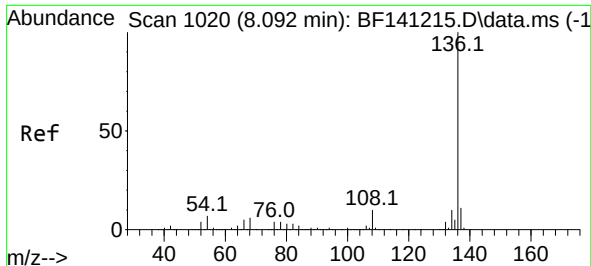
Tgt Ion: 99 Resp: 616053
Ion Ratio Lower Upper
99 100
42 17.6 15.0 22.4
71 34.1 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 7.906 ng
RT: 7.363 min Scan# 896
Delta R.T. 0.129 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion: 70 Resp: 50801
Ion Ratio Lower Upper
70 100
42 46.8 47.8 71.6#
101 0.0 7.9 11.9#
130 2.2 17.6 26.4#



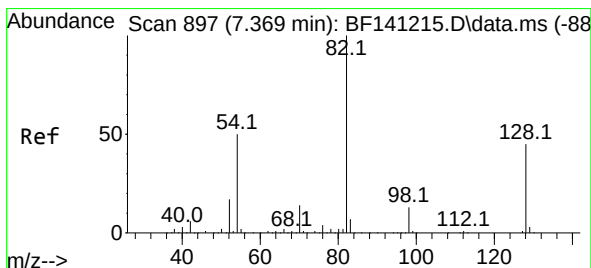
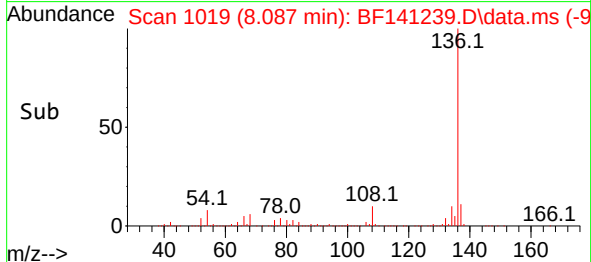
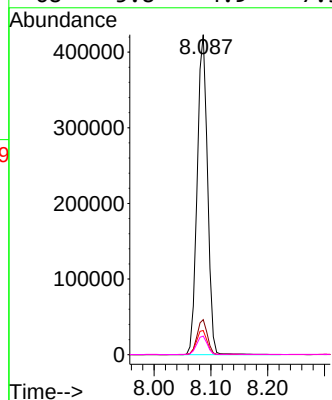
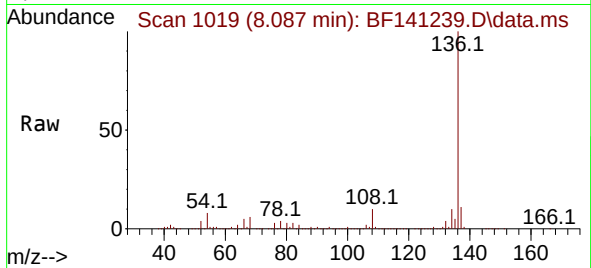


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Instrument :
BNA_F
ClientSampleId :
PL-1-012125

Tgt Ion:136 Resp: 537232

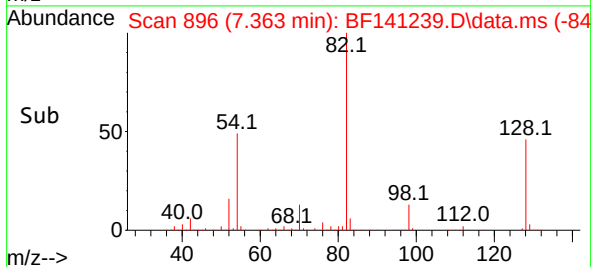
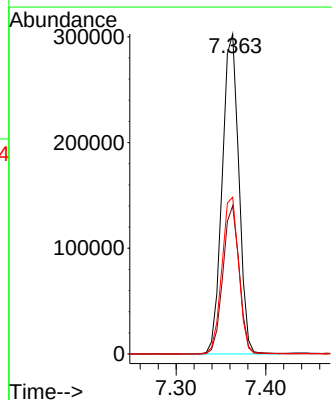
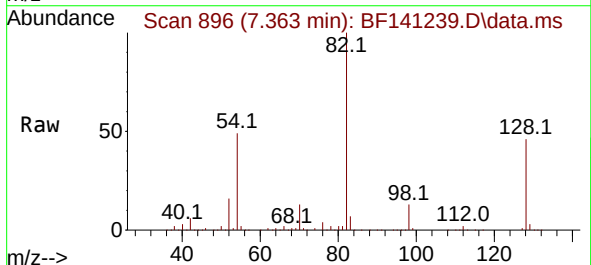
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.6	6.3	9.5
68	5.8	4.9	7.3

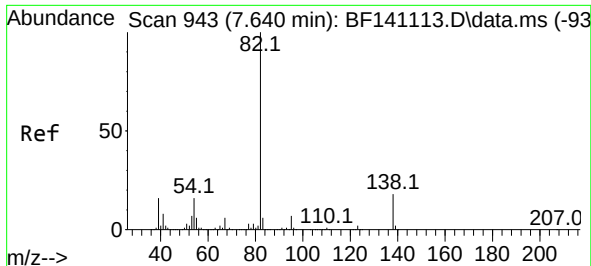


#23
Nitrobenzene-d5
Concen: 38.486 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.024 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion: 82 Resp: 390045

Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	49.0	41.0	61.4

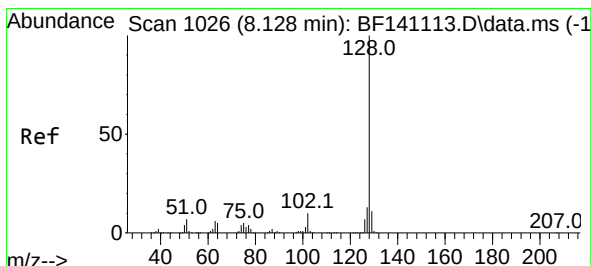
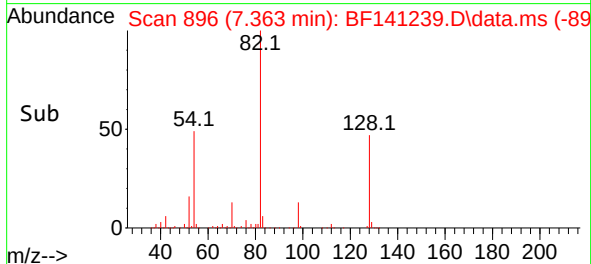
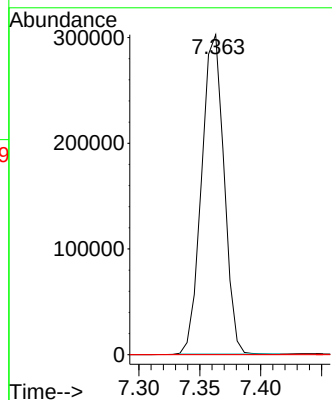
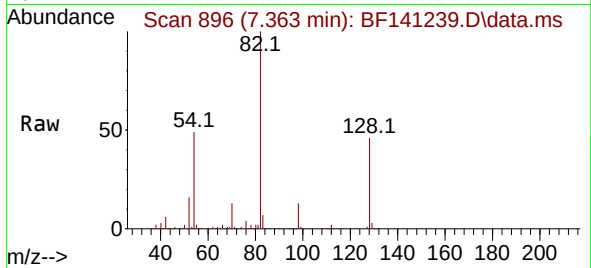




#25
Isophorone
Concen: 22.321 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.276 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

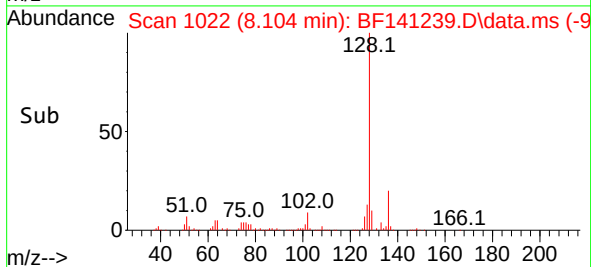
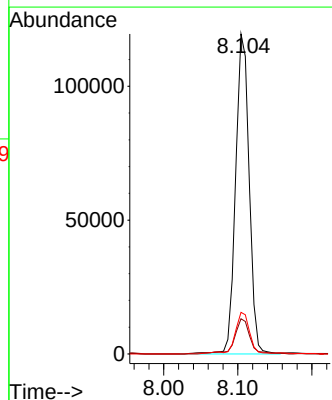
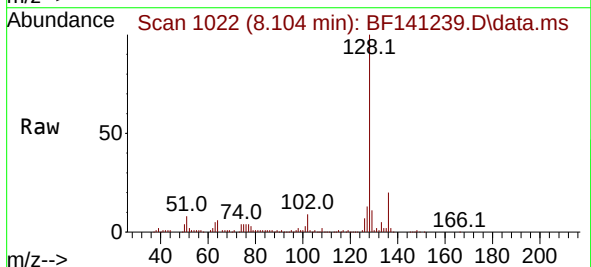
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ClientSampleId :
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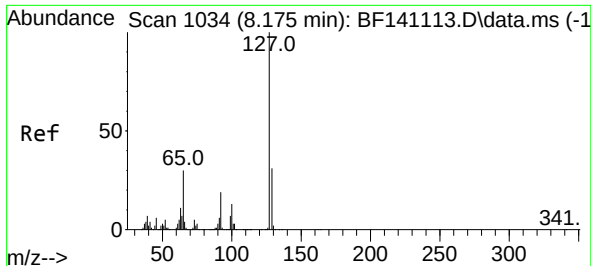
Tgt Ion: 82 Resp: 386593
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 5.373 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.024 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:128 Resp: 152216
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 13.0 10.8 16.2

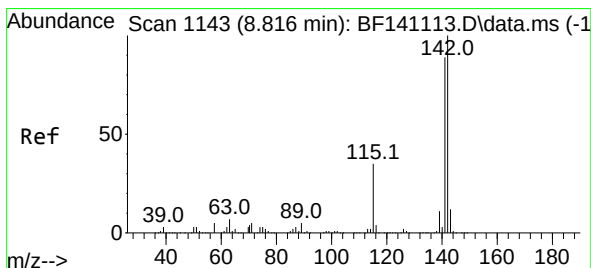
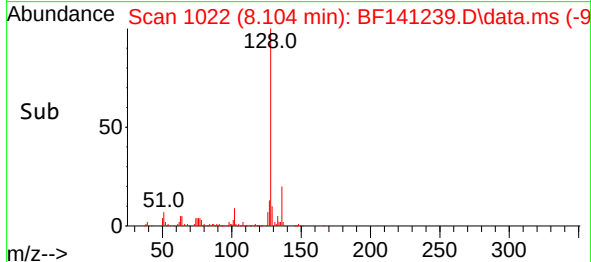
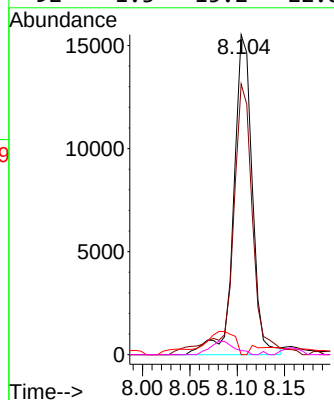
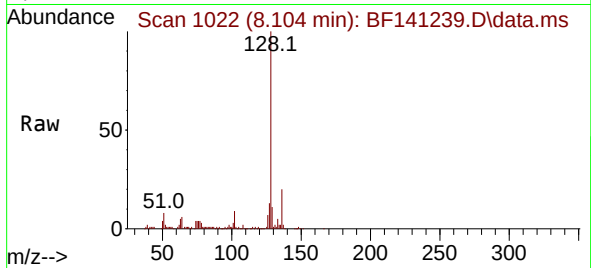




#33
4-Chloroaniline
Concen: 2.156 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.071 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

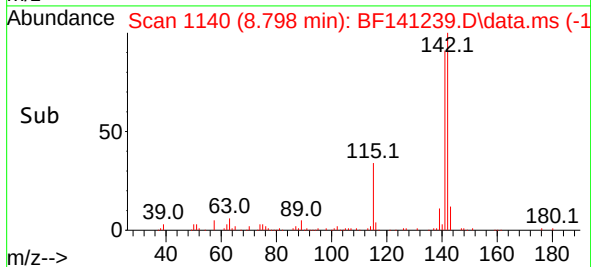
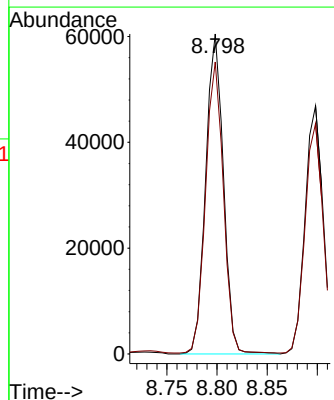
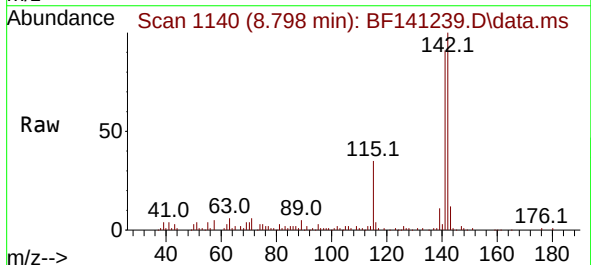
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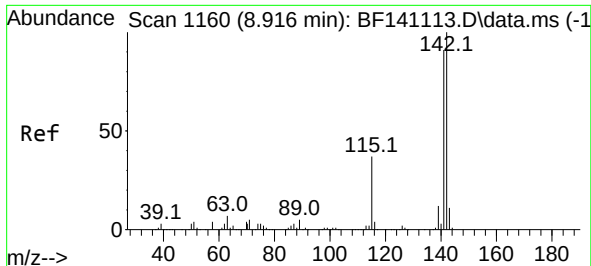
Tgt Ion:127	Resp:	21124
Ion Ratio	Lower	Upper
127	100	
129	84.6	25.9 38.9#
65	0.0	23.8 35.8#
92	1.3	15.2 22.8#



#37
2-Methylnaphthalene
Concen: 4.134 ng
RT: 8.798 min Scan# 1140
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:142	Resp:	74633
Ion Ratio	Lower	Upper
142	100	
141	91.2	71.3 106.9

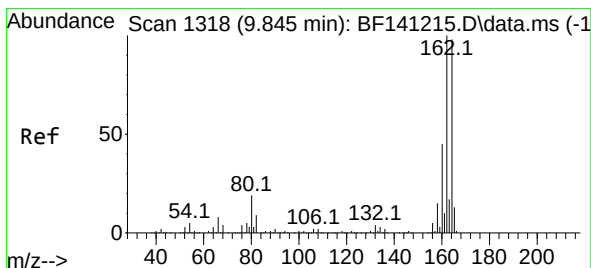
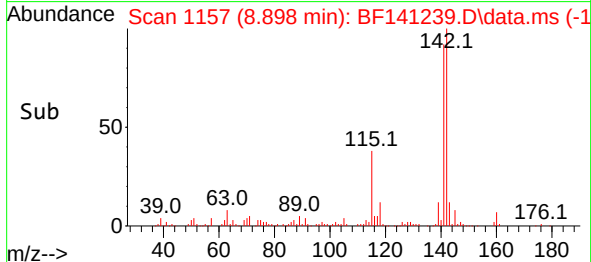
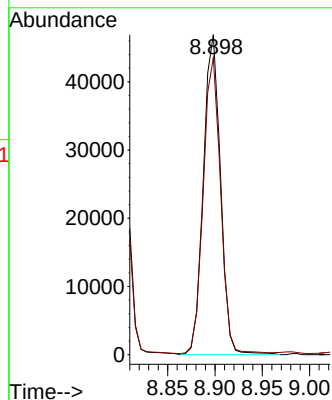
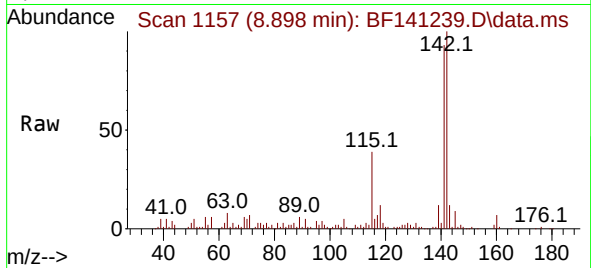




#38
1-Methylnaphthalene
Concen: 3.312 ng
RT: 8.898 min Scan# 1157
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

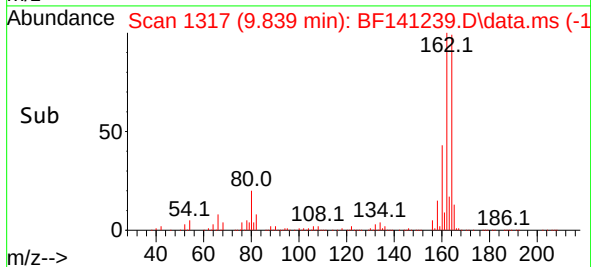
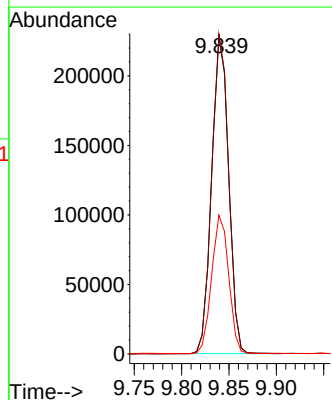
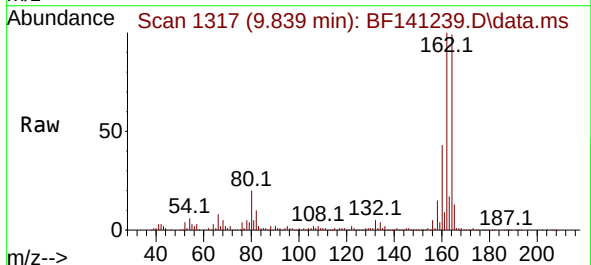
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PL-1-012125

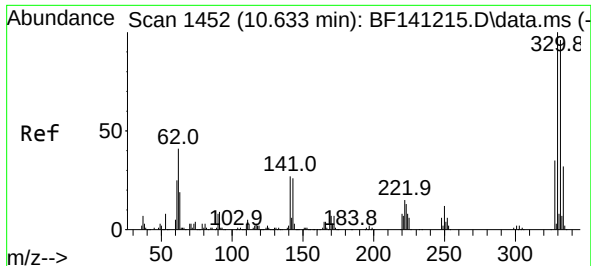
Tgt Ion:142 Resp: 58921
Ion Ratio Lower Upper
142 100
141 92.8 73.1 109.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.024 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:164 Resp: 283396
Ion Ratio Lower Upper
164 100
162 100.9 81.0 121.4
160 43.8 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 57.025 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.024 min

Lab File: BF141239.D

Acq: 22 Jan 2025 17:06

Instrument :

BNA_F

ClientSampleId :

PL-1-012125

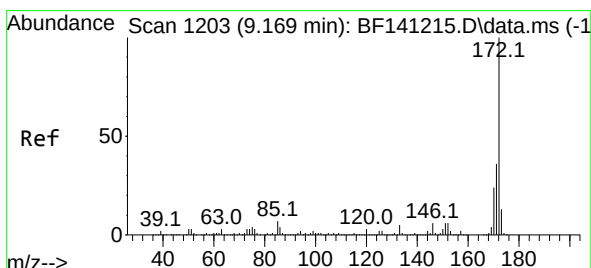
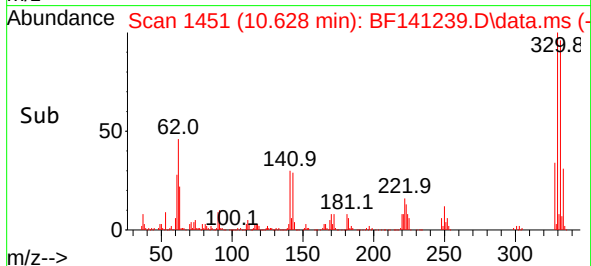
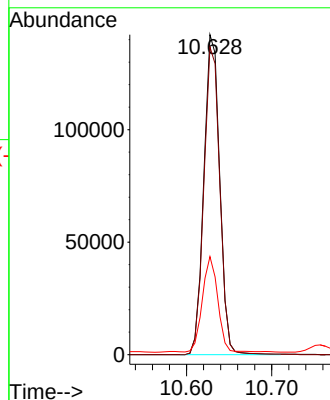
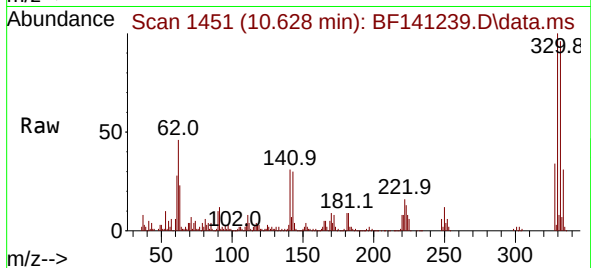
Tgt Ion:330 Resp: 184140

Ion Ratio Lower Upper

330 100

332 96.7 76.9 115.3

141 29.1 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 39.036 ng

RT: 9.163 min Scan# 1202

Delta R.T. -0.018 min

Lab File: BF141239.D

Acq: 22 Jan 2025 17:06

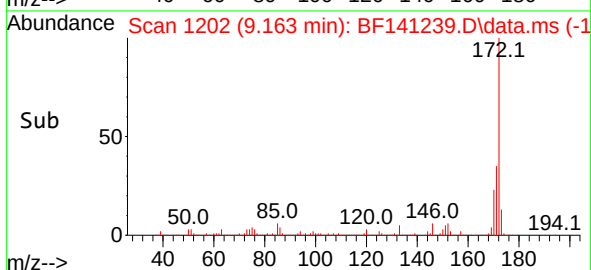
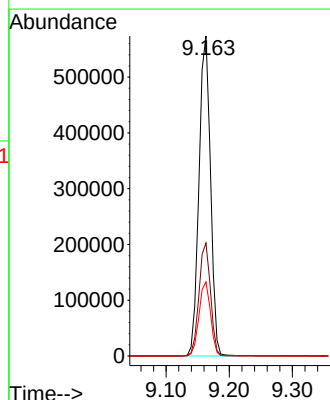
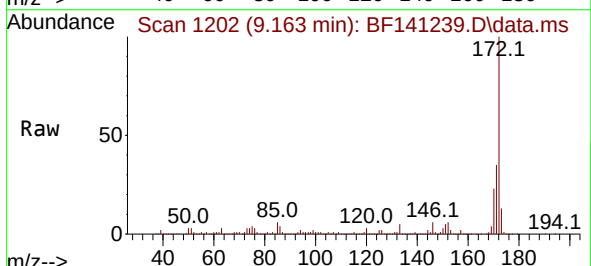
Tgt Ion:172 Resp: 724451

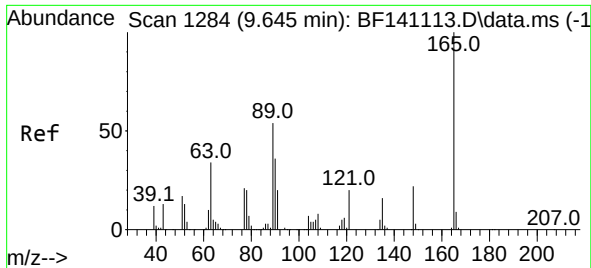
Ion Ratio Lower Upper

172 100

171 35.3 28.7 43.1

170 23.2 19.0 28.6

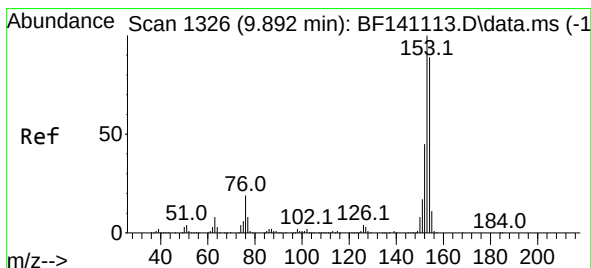
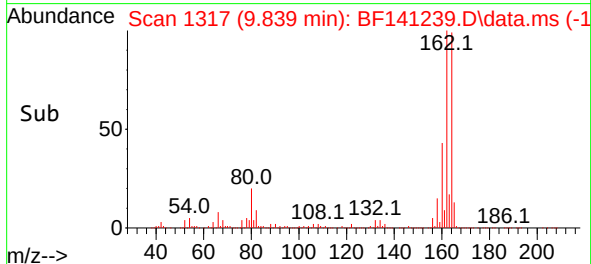
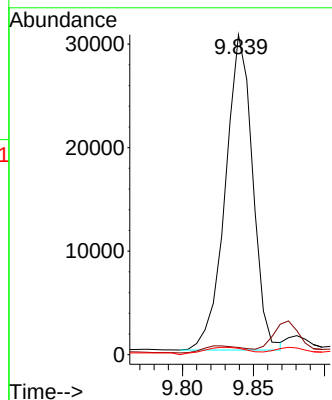
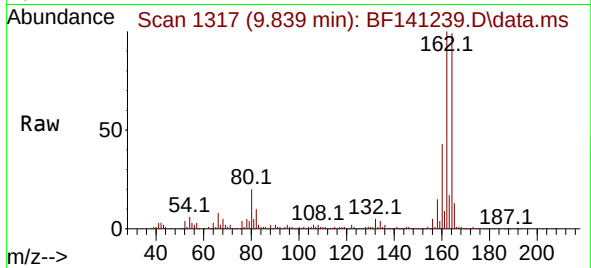




#51
2,6-Dinitrotoluene
Concen: 9.218 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

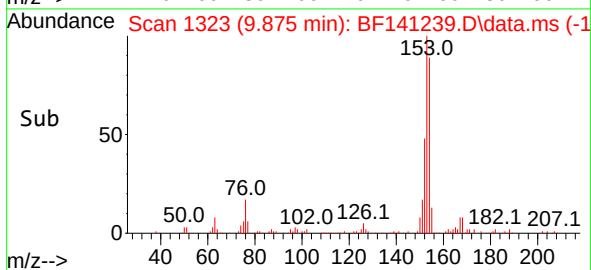
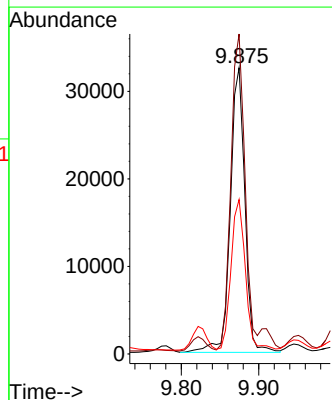
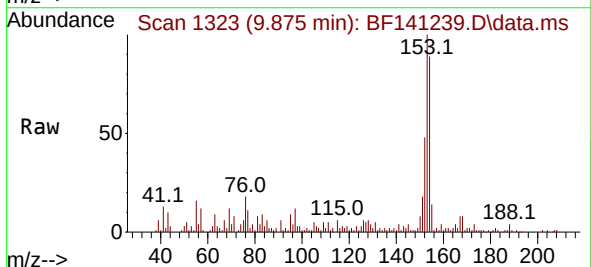
Instrument :
BNA_F
ClientSampleId :
PL-1-012125

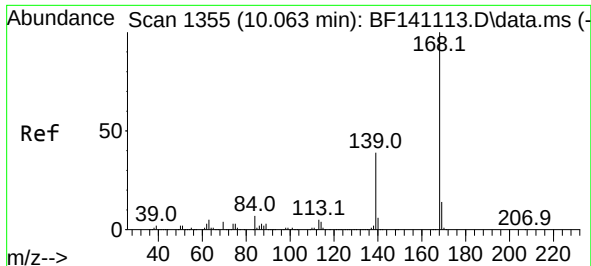
Tgt Ion:165 Resp: 40782
Ion Ratio Lower Upper
165 100
63 2.2 42.3 63.5#
89 2.0 43.1 64.7#



#52
Acenaphthene
Concen: 2.488 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:154 Resp: 42569
Ion Ratio Lower Upper
154 100
153 111.8 89.8 134.6
152 54.0 40.8 61.2

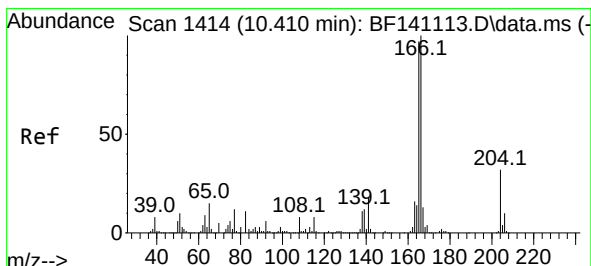
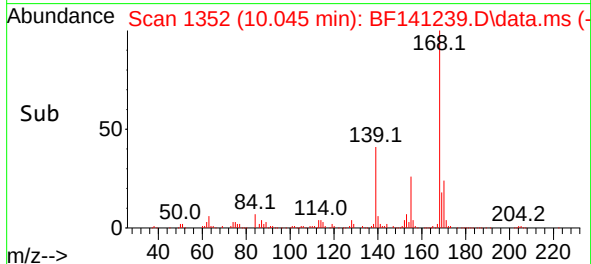
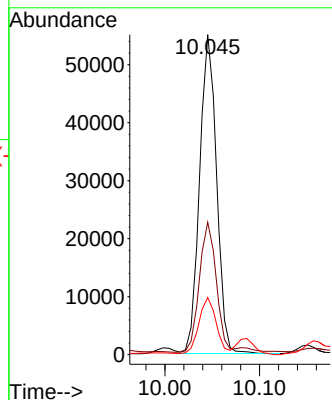
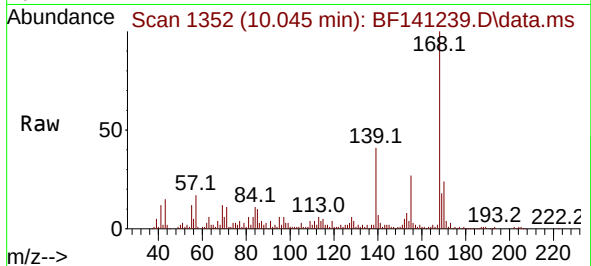




#55
Dibenzofuran
Concen: 2.937 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

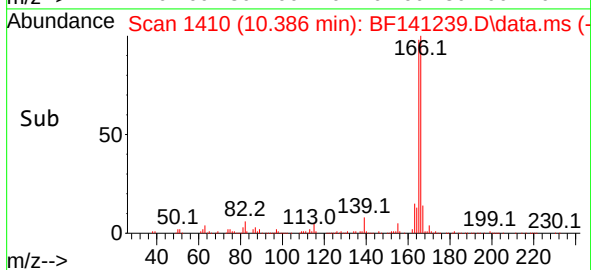
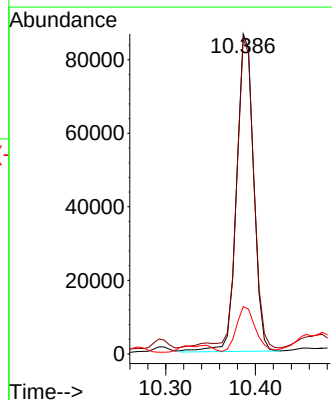
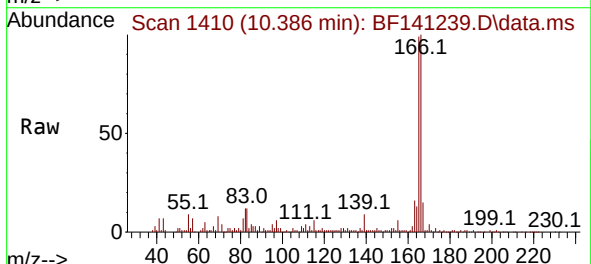
Instrument :
BNA_F
ClientSampleId :
PL-1-012125

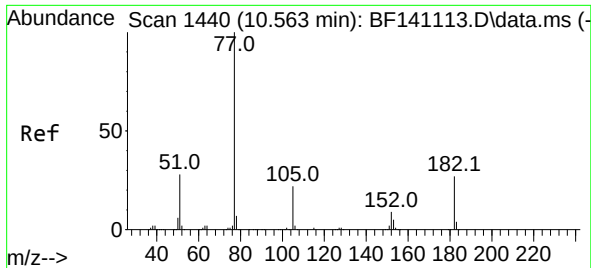
Tgt Ion:168 Resp: 68357
Ion Ratio Lower Upper
168 100
139 41.4 31.4 47.0
169 17.8 10.9 16.3#



#58
Fluorene
Concen: 6.258 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.024 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:166 Resp: 113147
Ion Ratio Lower Upper
166 100
165 98.7 77.8 116.8
167 14.8 10.8 16.2

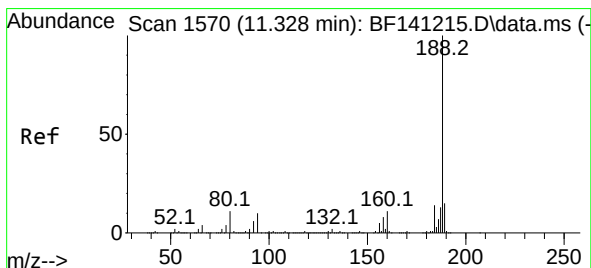
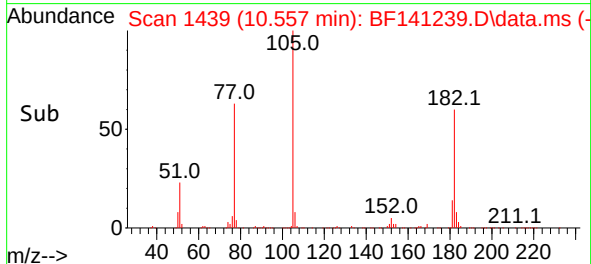
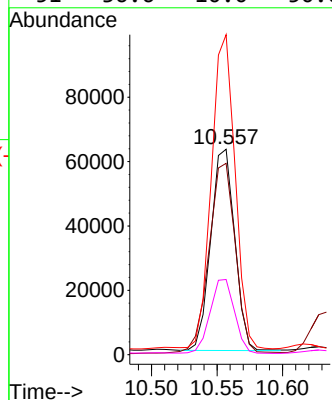
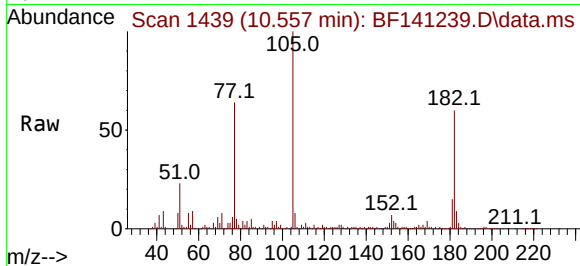




#63
Azobenzene
Concen: 4.339 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

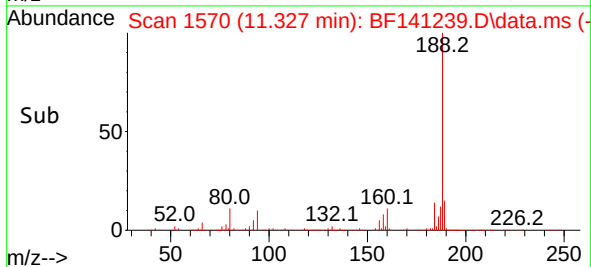
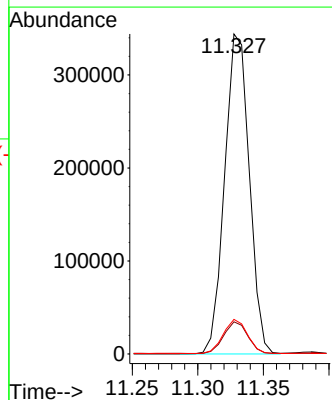
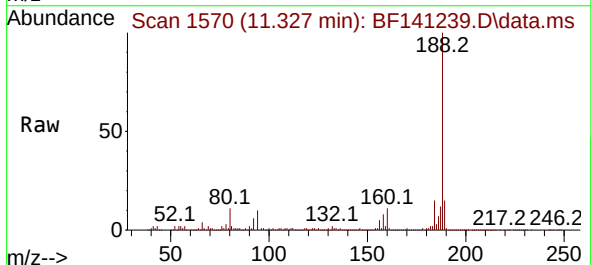
Instrument :
BNA_F
ClientSampleId :
PL-1-012125

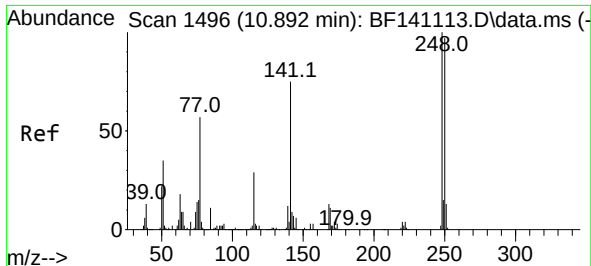
Tgt Ion: 77	Resp: 79522
Ion Ratio	Lower Upper
77	100
182	93.1 6.1 46.1#
105	155.7 2.1 42.1#
51	36.6 10.0 50.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion: 188	Resp: 449607
Ion Ratio	Lower Upper
188	100
94	10.1 8.3 12.5
80	10.8 9.0 13.4

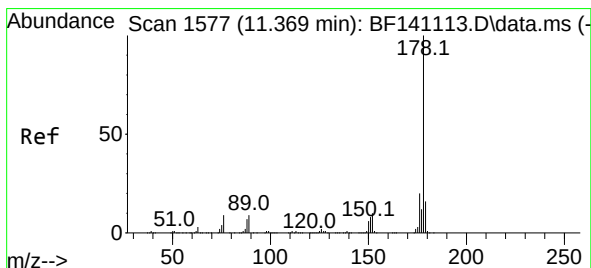
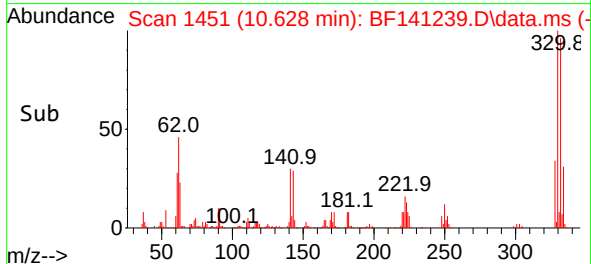
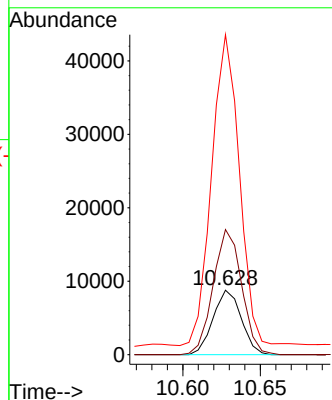
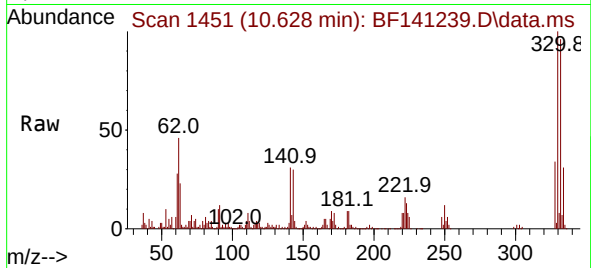




#67
4-Bromophenyl-phenylether
Concen: 2.142 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.265 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

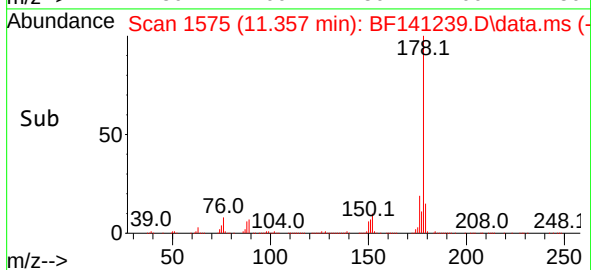
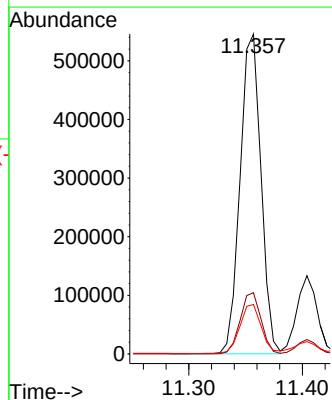
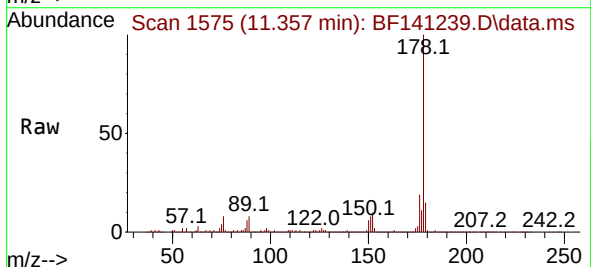
Instrument :
BNA_F
ClientSampleId :
PL-1-012125

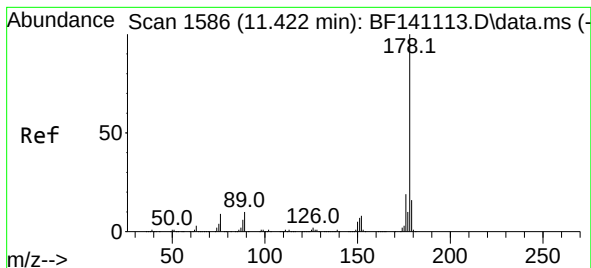
Tgt Ion:248 Resp: 11088
Ion Ratio Lower Upper
248 100
250 193.9 77.9 116.9#
141 495.9 59.9 89.9#



#71
Phenanthrene
Concen: 28.829 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF141239.D
Acq: 22 Jan 2025 17:06

Tgt Ion:178 Resp: 695862
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.5 12.6 19.0





#72

Anthracene

Concen: 6.592 ng

RT: 11.404 min Scan# 1586

Delta R.T. -0.018 min

Lab File: BF141239.D

Acq: 22 Jan 2025 17:06

Instrument :

BNA_F

ClientSampleId :

PL-1-012125

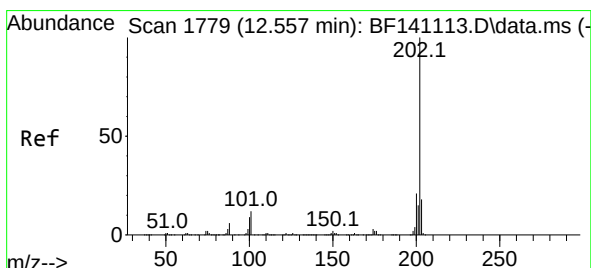
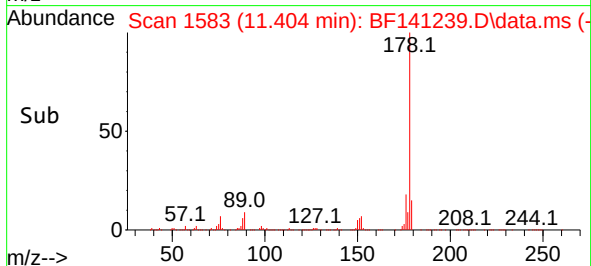
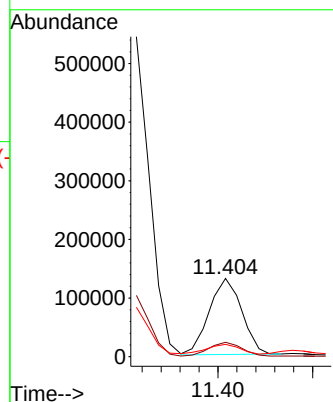
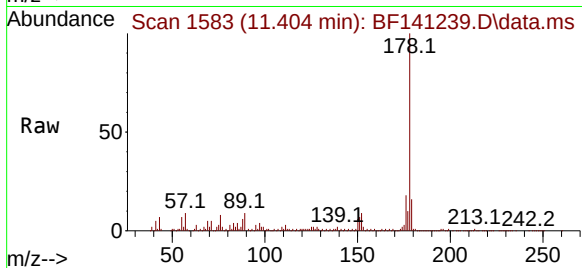
Tgt Ion:178 Resp: 154721

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 15.7 12.6 19.0



#75

Fluoranthene

Concen: 26.109 ng

RT: 12.545 min Scan# 1777

Delta R.T. -0.012 min

Lab File: BF141239.D

Acq: 22 Jan 2025 17:06

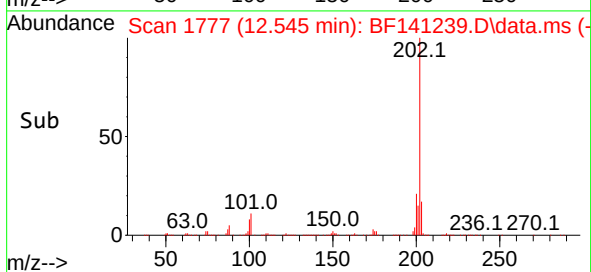
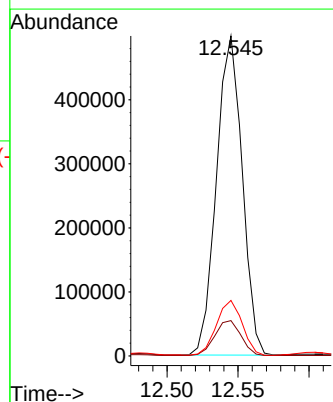
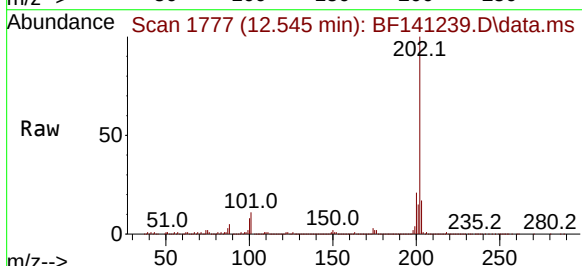
Tgt Ion:202 Resp: 628909

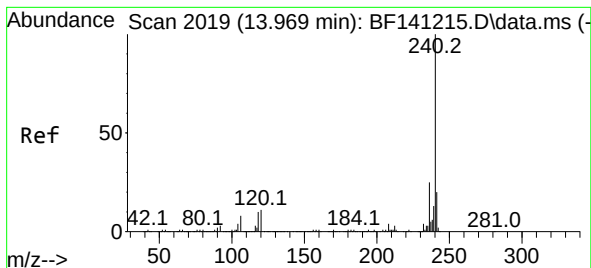
Ion Ratio Lower Upper

202 100

101 11.1 0.0 32.3

203 17.4 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141239.D

Acq: 22 Jan 2025 17:06

Instrument :

BNA_F

ClientSampleId :

PL-1-012125

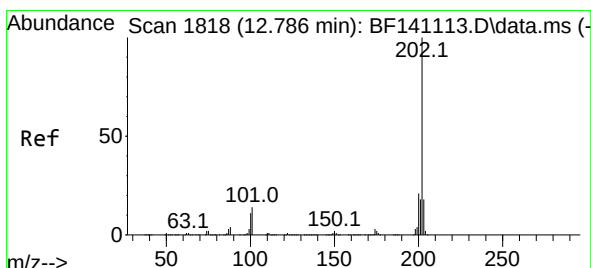
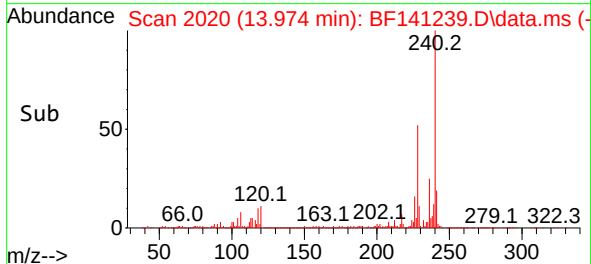
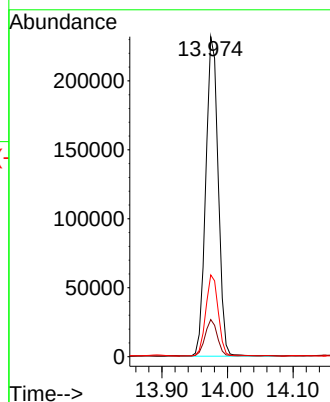
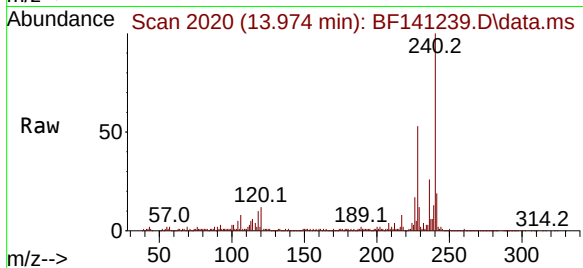
Tgt Ion:240 Resp: 306146

Ion Ratio Lower Upper

240 100

120 11.6 9.1 13.7

236 25.6 19.8 29.6



#78

Pyrene

Concen: 18.685 ng

RT: 12.774 min Scan# 1816

Delta R.T. -0.012 min

Lab File: BF141239.D

Acq: 22 Jan 2025 17:06

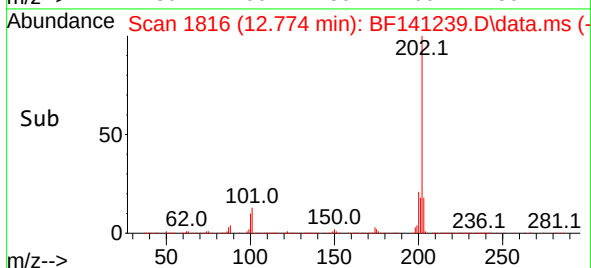
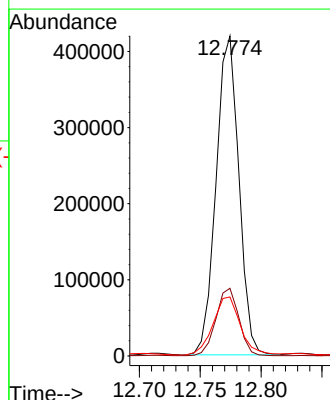
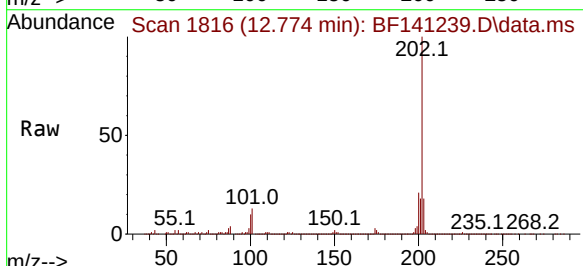
Tgt Ion:202 Resp: 546354

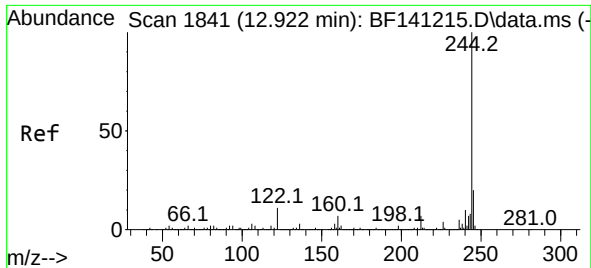
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 18.5 14.3 21.5

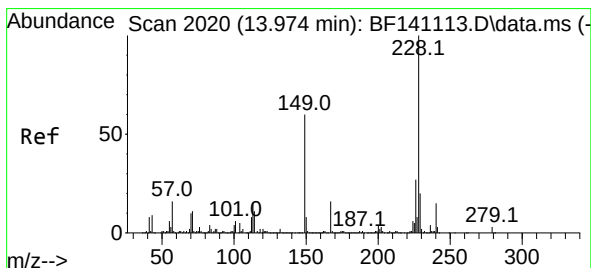
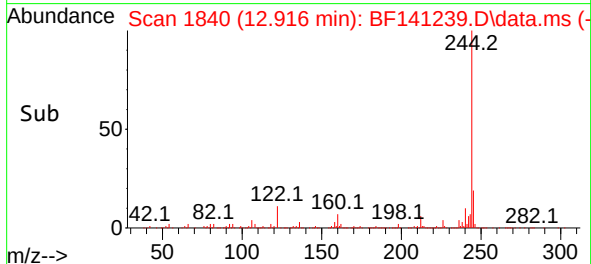
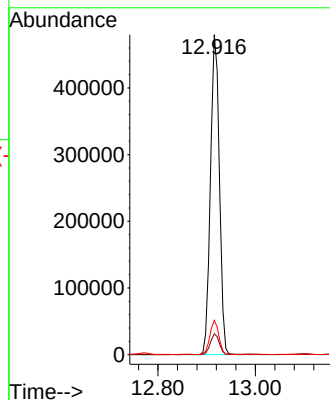
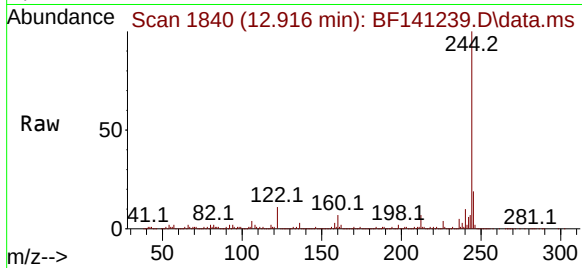




#79
 Terphenyl-d14
 Concen: 29.529 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.018 min
 Lab File: BF141239.D
 Acq: 22 Jan 2025 17:06

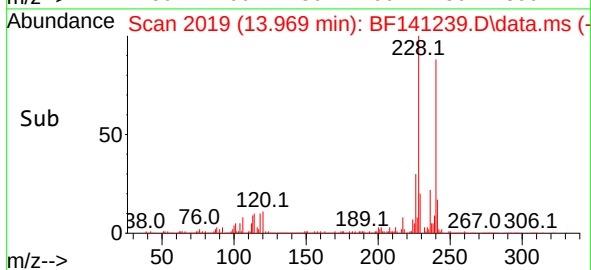
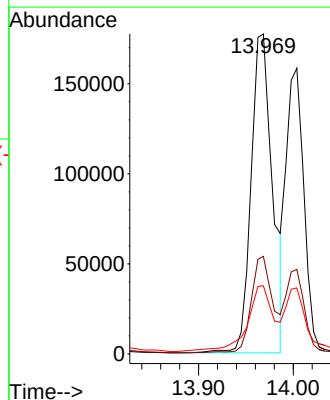
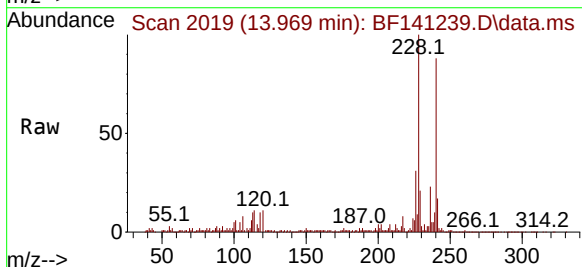
Instrument :
 BNA_F
 ClientSampleId :
 PL-1-012125

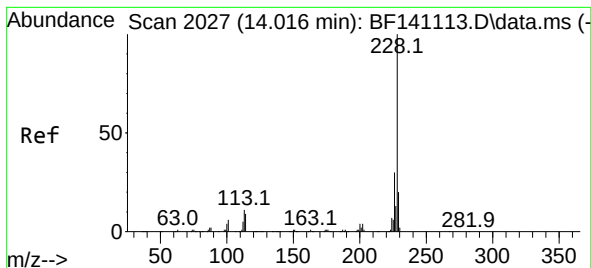
Tgt Ion:244 Resp: 608238
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 10.7 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 13.394 ng
 RT: 13.969 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF141239.D
 Acq: 22 Jan 2025 17:06

Tgt Ion:228 Resp: 279072
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.7 32.5
 229 21.3 15.7 23.5





#83

Chrysene

Concen: 10.547 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141239.D

Acq: 22 Jan 2025 17:06

Instrument :

BNA_F

ClientSampleId :

PL-1-012125

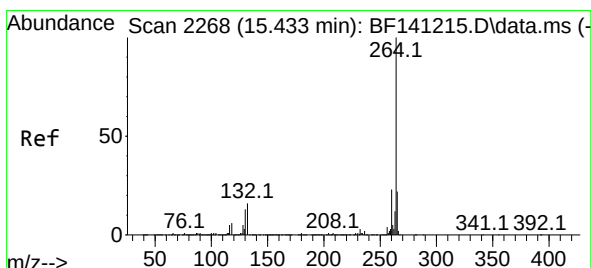
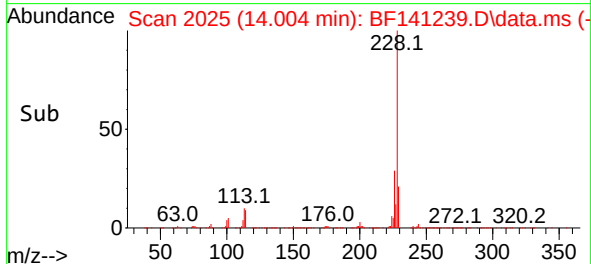
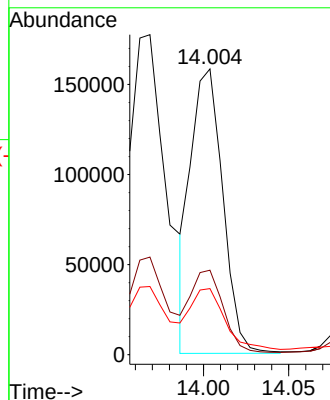
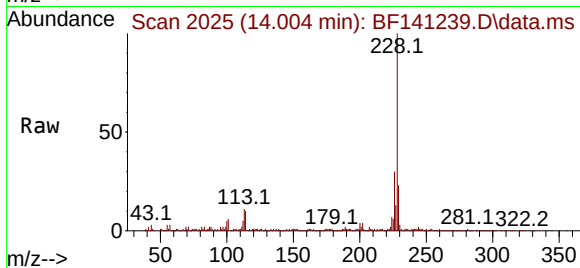
Tgt Ion:228 Resp: 205616

Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

229 23.1 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2272

Delta R.T. 0.018 min

Lab File: BF141239.D

Acq: 22 Jan 2025 17:06

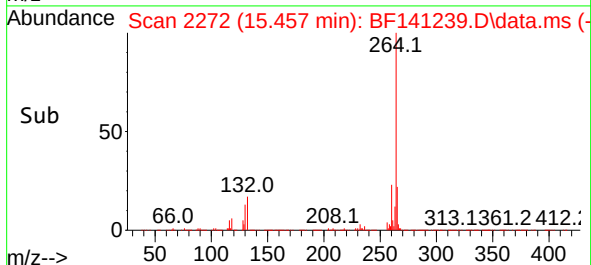
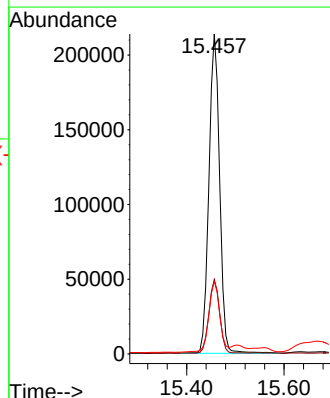
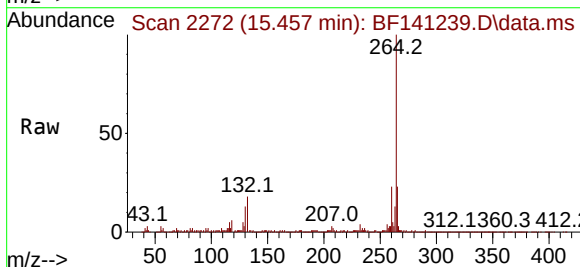
Tgt Ion:264 Resp: 323998

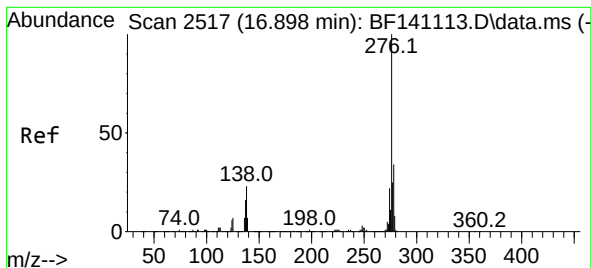
Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 22.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.586 ng

RT: 16.904 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141239.D

Acq: 22 Jan 2025 17:06

Instrument :

BNA_F

ClientSampleId :

PL-1-012125

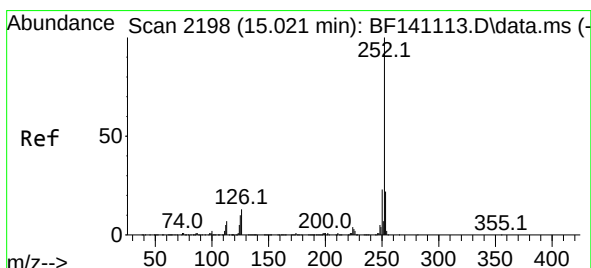
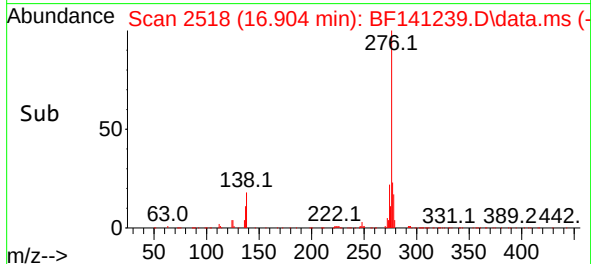
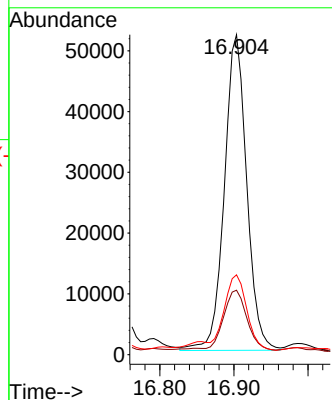
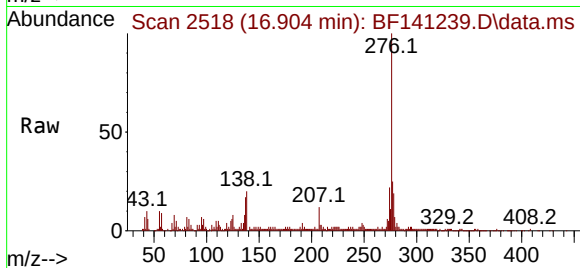
Tgt Ion:276 Resp: 108864

Ion Ratio Lower Upper

276 100

138 20.2 20.7 31.1#

277 26.7 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 18.940 ng

RT: 15.033 min Scan# 2200

Delta R.T. 0.012 min

Lab File: BF141239.D

Acq: 22 Jan 2025 17:06

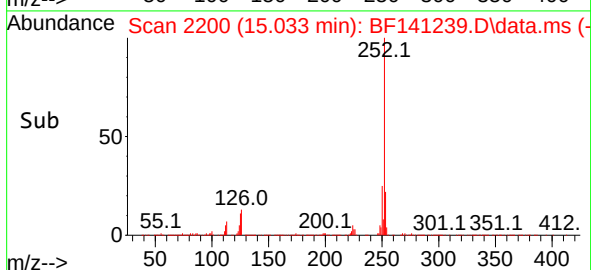
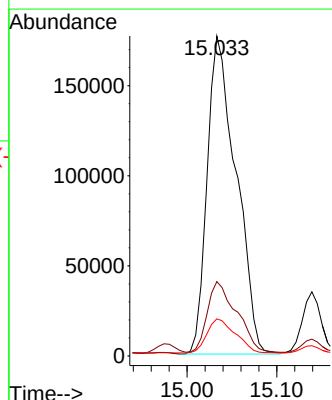
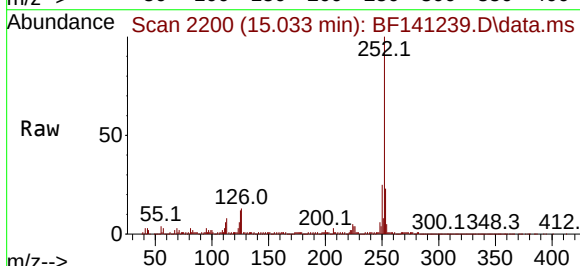
Tgt Ion:252 Resp: 395698

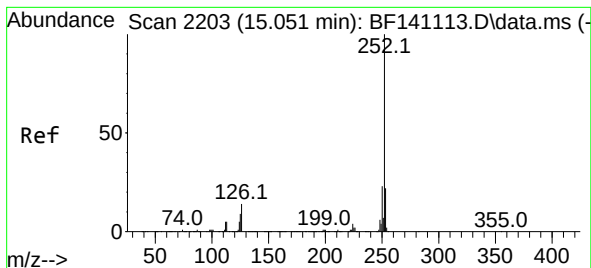
Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

125 11.6 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 22.412 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141239.D

Acq: 22 Jan 2025 17:06

Instrument :

BNA_F

ClientSampleId :

PL-1-012125

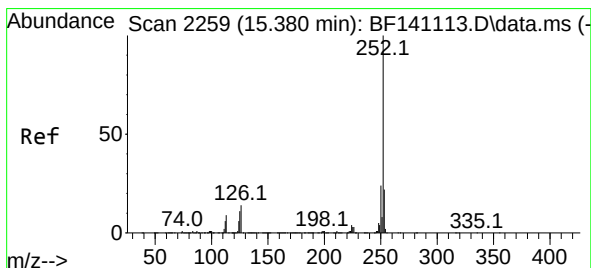
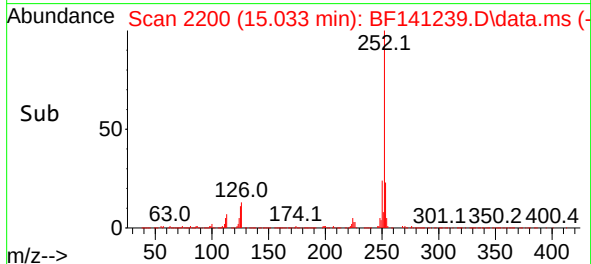
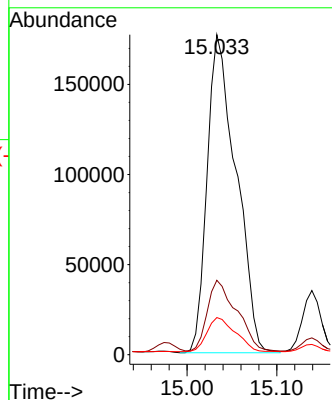
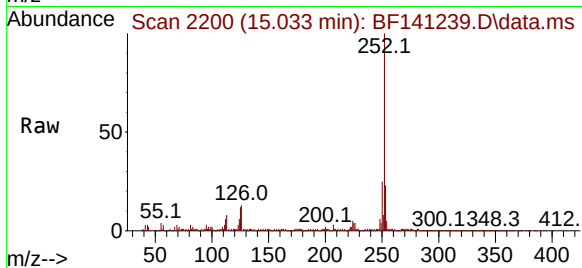
Tgt Ion:252 Resp: 395698

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 11.6 7.9 11.9



#90

Benzo(a)pyrene

Concen: 12.742 ng

RT: 15.392 min Scan# 2261

Delta R.T. 0.012 min

Lab File: BF141239.D

Acq: 22 Jan 2025 17:06

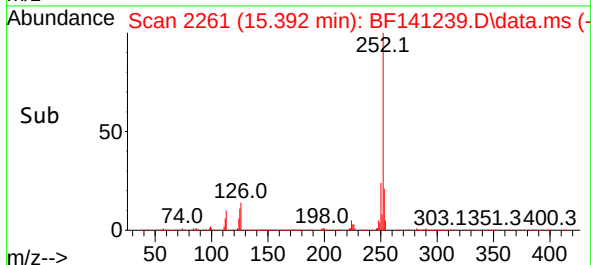
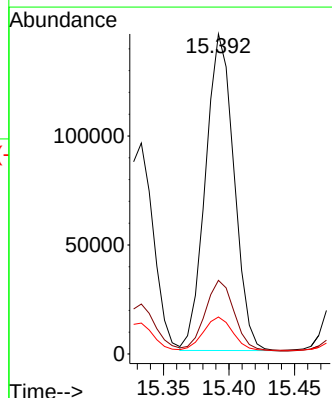
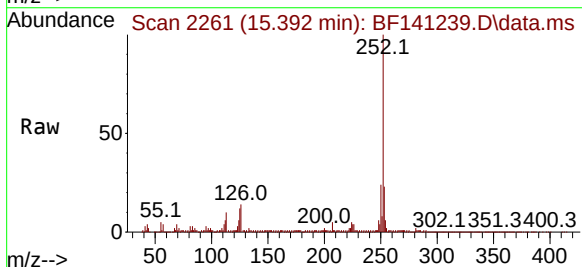
Tgt Ion:252 Resp: 219637

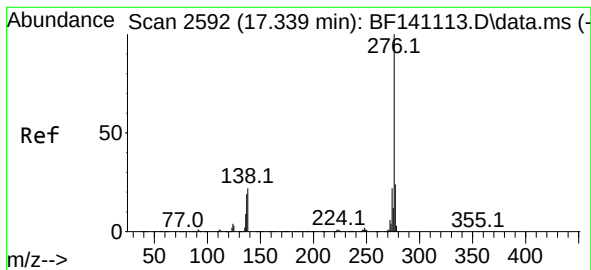
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 11.6 9.1 13.7





#92

Benzo(g,h,i)perylene

Concen: 4.684 ng

RT: 17.339 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141239.D

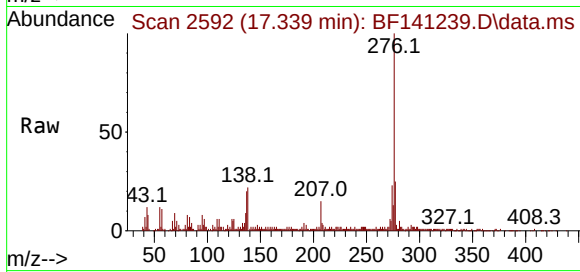
Acq: 22 Jan 2025 17:06

Instrument :

BNA_F

ClientSampleId :

PL-1-012125



Tgt Ion:276 Resp: 93536

Ion Ratio Lower Upper

276 100

277 25.4 19.0 28.4

138 21.6 17.4 26.2

