

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
 Data File : BF141740.D
 Acq On : 24 Feb 2025 12:55
 Operator : RC/JU
 Sample : Q1397-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP7

Quant Time: Feb 24 13:25:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

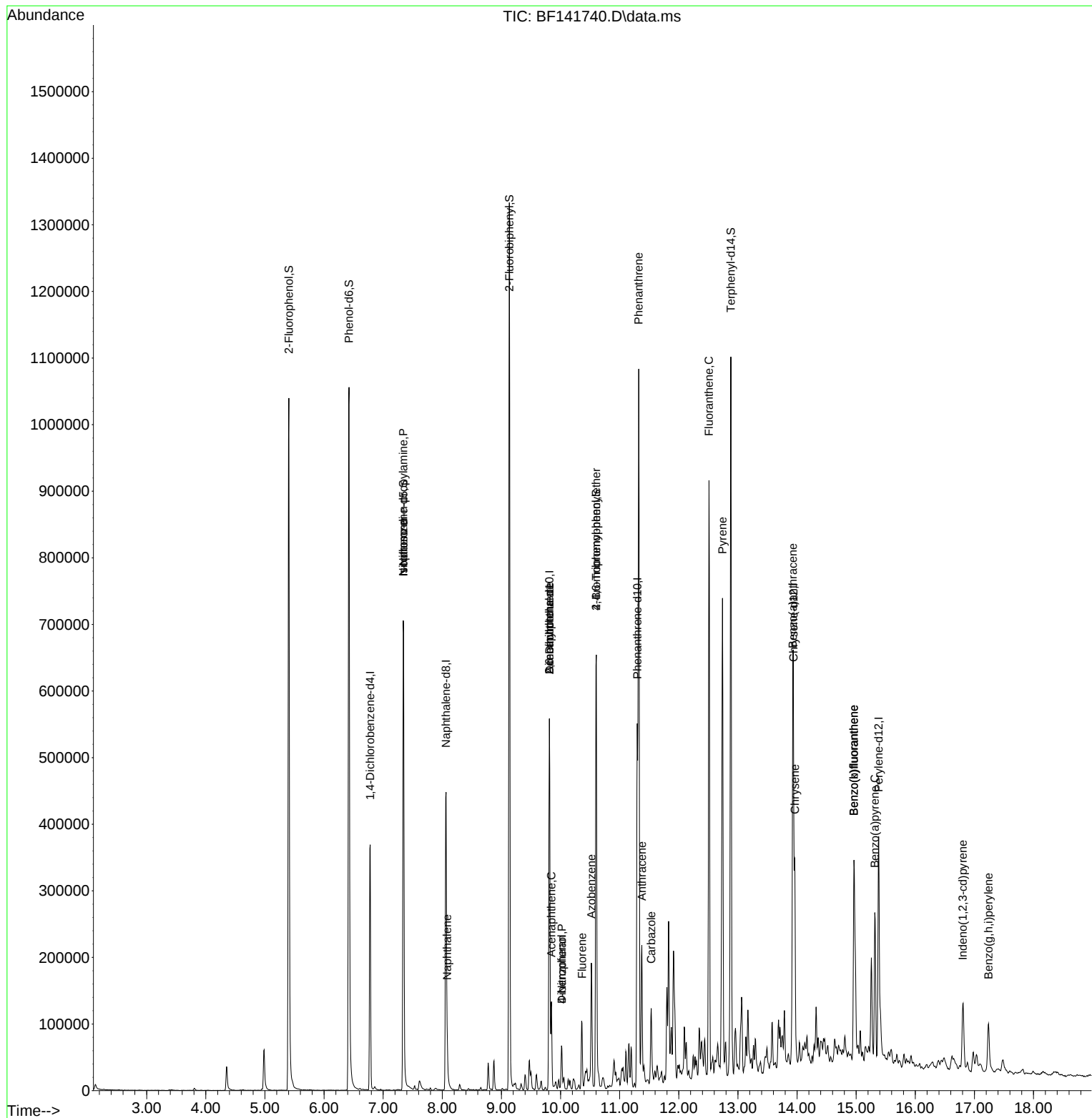
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	80753	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	318124	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	168089	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	274045	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	173929	20.000	ng	-0.02
86) Perylene-d12	15.380	264	196160	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	427207	82.938	ng	0.00
7) Phenol-d6	6.422	99	530942	81.554	ng	-0.02
23) Nitrobenzene-d5	7.340	82	341068	55.920	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	105194	62.299	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	588916	53.978	ng	-0.02
79) Terphenyl-d14	12.880	244	517259	50.206	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.340	70	46071	11.831	ng	# 74
25) Isophorone	7.340	82	330785	34.014	ng	# 66
31) Naphthalene	8.081	128	36952	2.231	ng	98
50) Dimethylphthalate	9.810	163	22979	2.014	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	23341	9.357	ng	# 23
52) Acenaphthene	9.845	154	40118	4.163	ng	99
55) Dibenzofuran	10.022	168	34164	2.415	ng	97
56) 4-Nitrophenol	10.022	139	13656	6.852	ng	# 2
58) Fluorene	10.363	166	42079	3.848	ng	98
63) Azobenzene	10.522	77	41261	3.697	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	7329	2.393	ng	# 1
71) Phenanthrene	11.322	178	567812	37.641	ng	100
72) Anthracene	11.375	178	128583	8.479	ng	98
73) Carbazole	11.533	167	59109	4.332	ng	99
75) Fluoranthene	12.510	202	500217	31.277	ng	100
78) Pyrene	12.739	202	410272	27.710	ng	99
81) Benzo(a)anthracene	13.927	228	202446	17.510	ng	98
83) Chrysene	13.963	228	155023	14.521	ng	97
87) Indeno(1,2,3-cd)pyrene	16.804	276	70844	5.845	ng	99
88) Benzo(b)fluoranthene	14.963	252	251072	19.062	ng	# 97
89) Benzo(k)fluoranthene	14.963	252	251072	22.323	ng	98
90) Benzo(a)pyrene	15.315	252	139304	13.071	ng	97
92) Benzo(g,h,i)perylene	17.239	276	62895	6.120	ng	98

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

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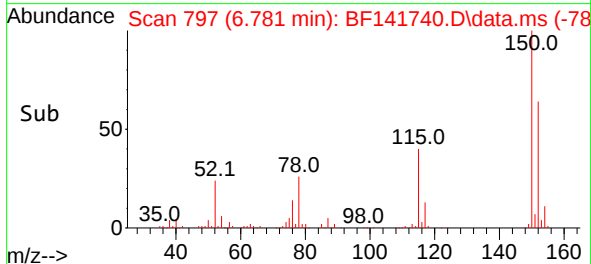
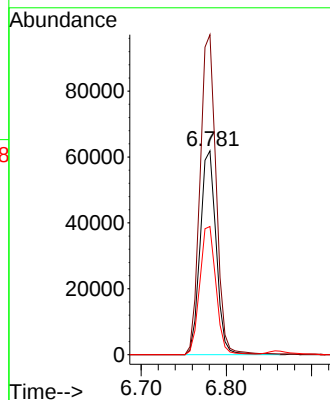
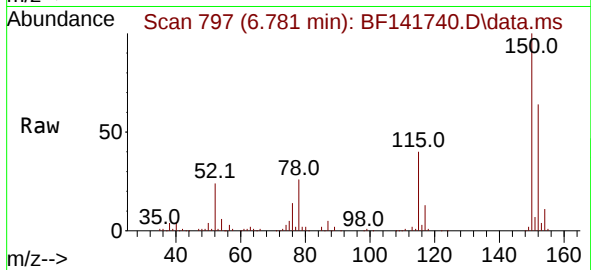




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141740.D
 Acq: 24 Feb 2025 12:55

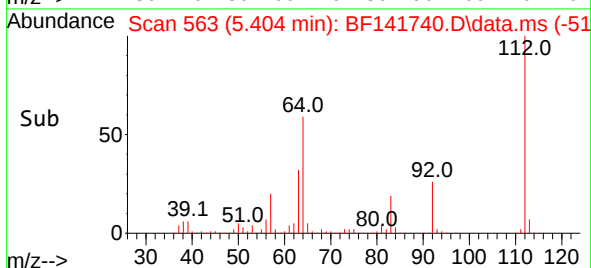
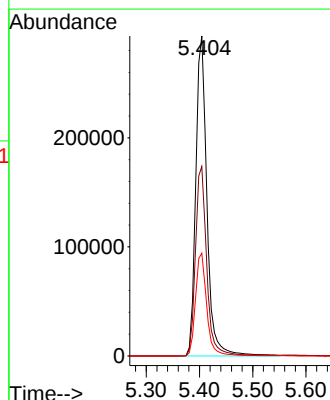
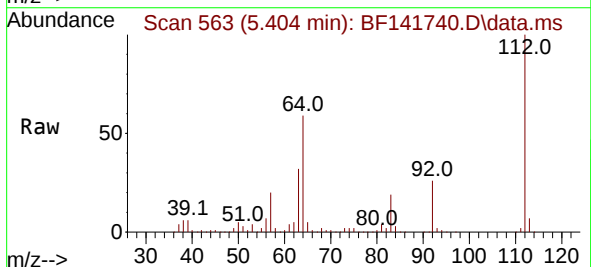
Instrument :
 BNA_F
 ClientSampleId :
 TP7

Tgt Ion:152 Resp: 80753
 Ion Ratio Lower Upper
 152 100
 150 156.9 125.0 187.4
 115 62.8 53.6 80.4



#5
 2-Fluorophenol
 Concen: 82.938 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141740.D
 Acq: 24 Feb 2025 12:55

Tgt Ion:112 Resp: 427207
 Ion Ratio Lower Upper
 112 100
 64 59.2 51.1 76.7
 63 32.1 28.4 42.6

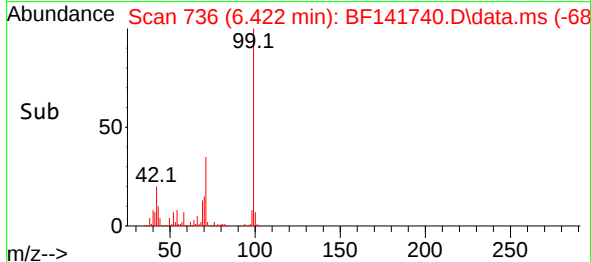
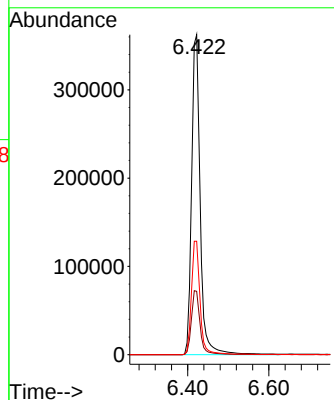
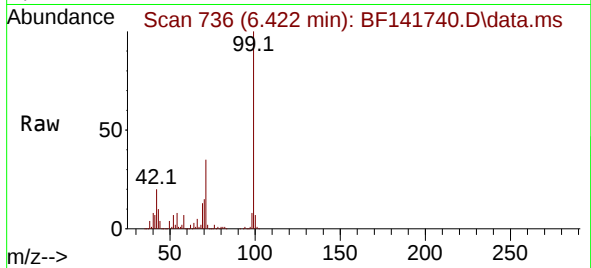




#7
Phenol-d6
Concen: 81.554 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

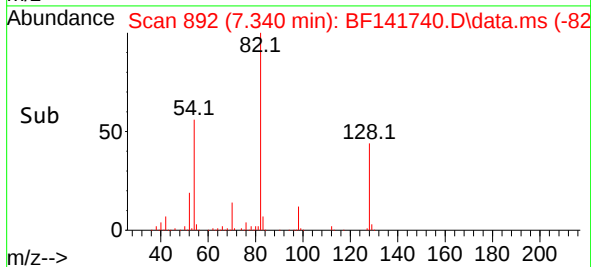
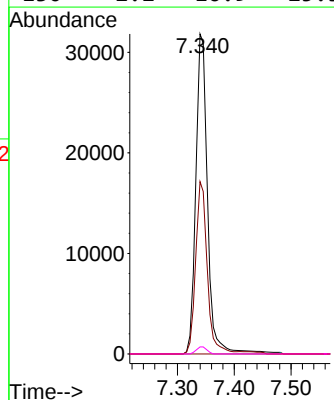
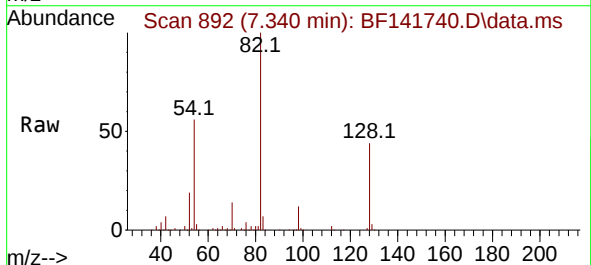
Instrument :
BNA_F
ClientSampleId :
TP7

Tgt Ion: 99 Resp: 530942
Ion Ratio Lower Upper
99 100
42 19.8 19.1 28.7
71 35.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.831 ng
RT: 7.340 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

Tgt Ion: 70 Resp: 46071
Ion Ratio Lower Upper
70 100
42 53.8 57.4 86.2#
101 0.0 8.0 12.0#
130 2.2 16.9 25.3#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

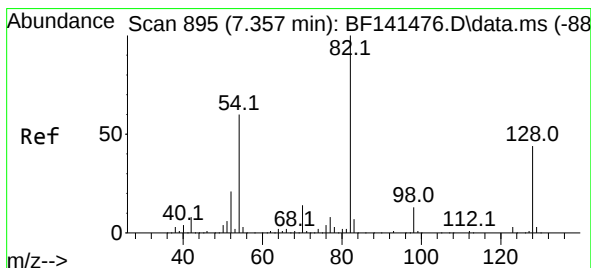
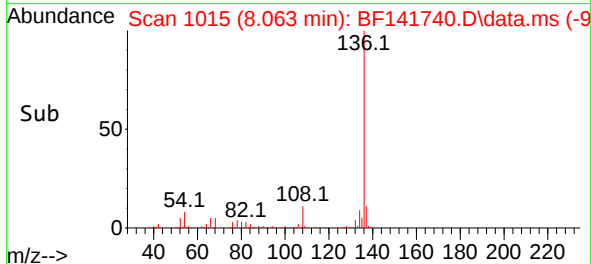
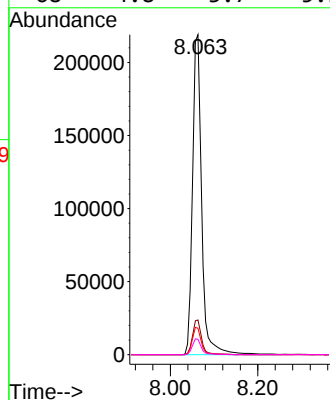
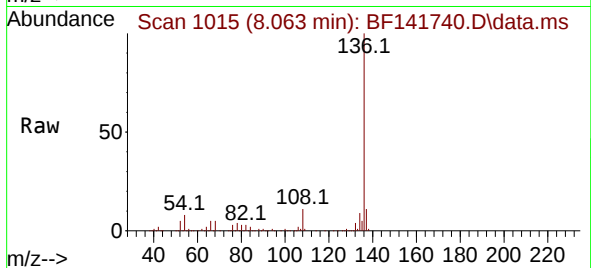
Instrument :

BNA_F

ClientSampleId :

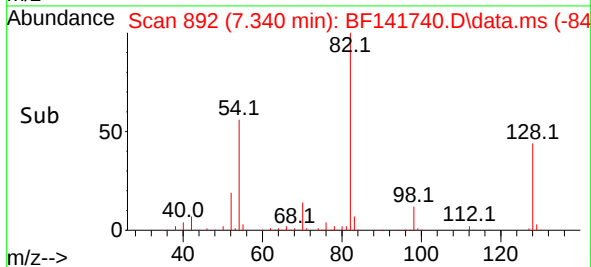
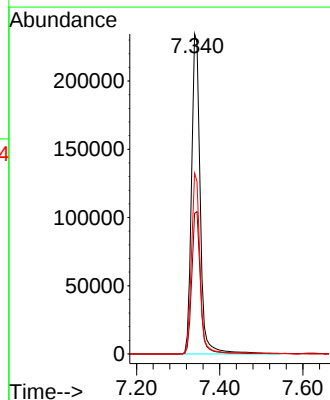
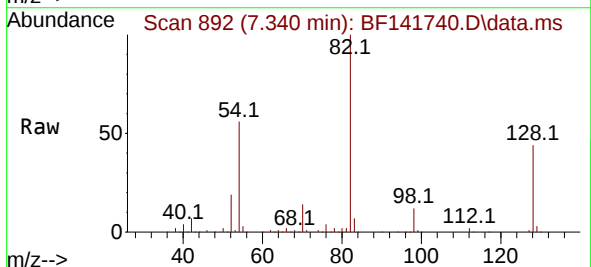
TP7

Tgt Ion:136 Resp: 318124
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.2 10.8
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 55.920 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.023 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

Tgt Ion: 82 Resp: 341068
Ion Ratio Lower Upper
82 100
128 44.0 34.8 52.2
54 56.5 48.2 72.4

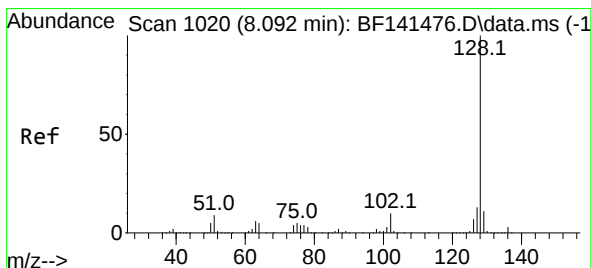
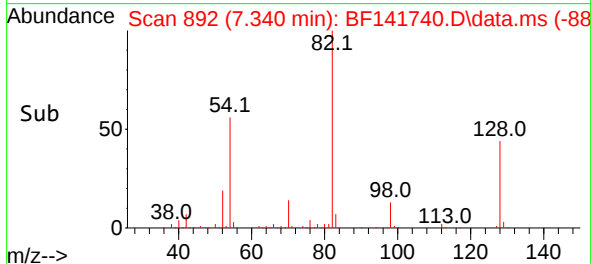
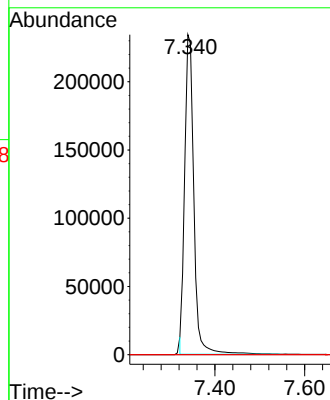
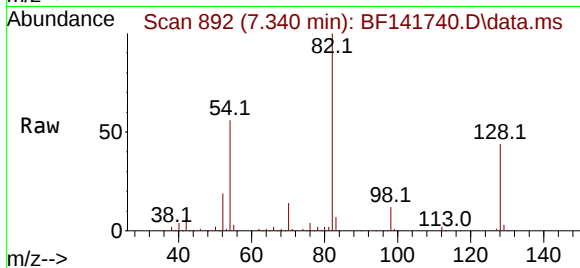




#25
Isophorone
Concen: 34.014 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

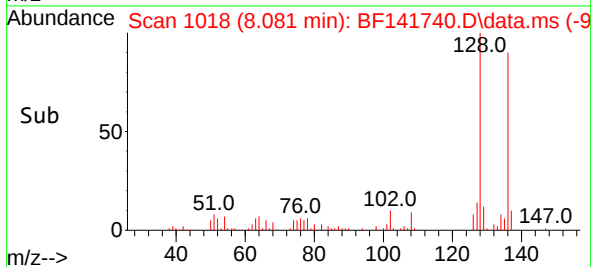
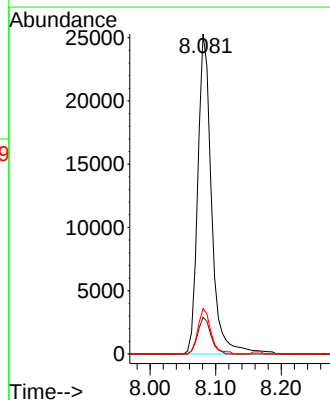
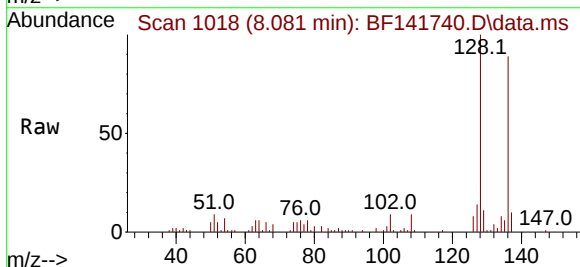
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ClientSampleId :
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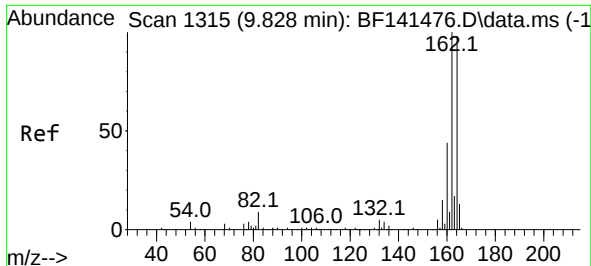
Tgt Ion: 82 Resp: 330785
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 2.231 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.017 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

Tgt Ion: 128 Resp: 36952
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 14.2 10.7 16.1

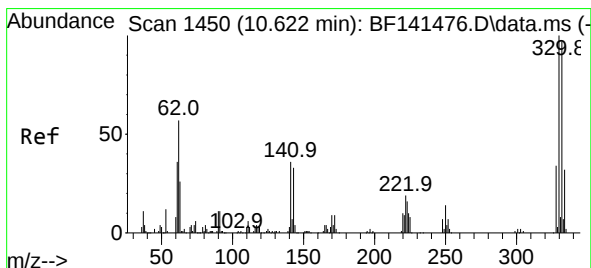
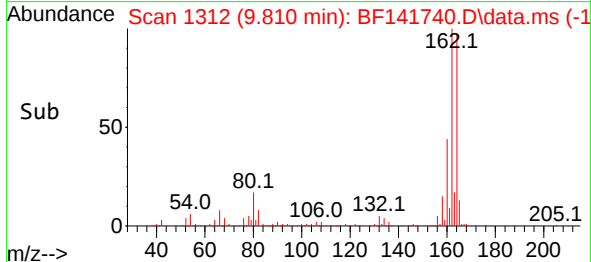
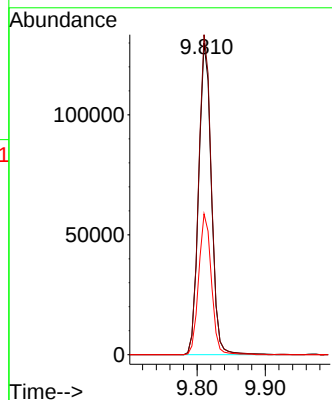
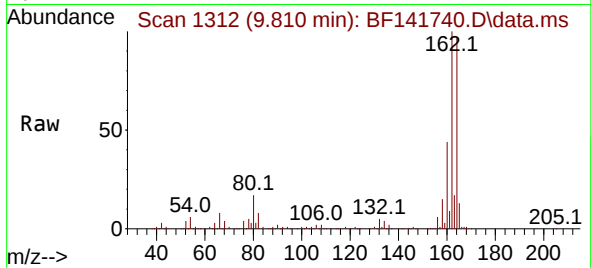




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

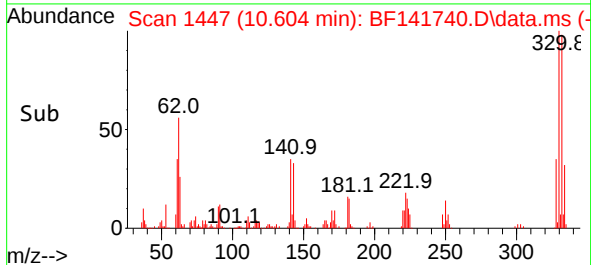
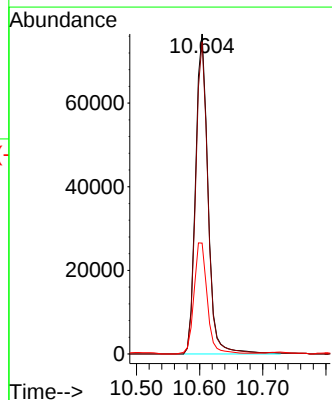
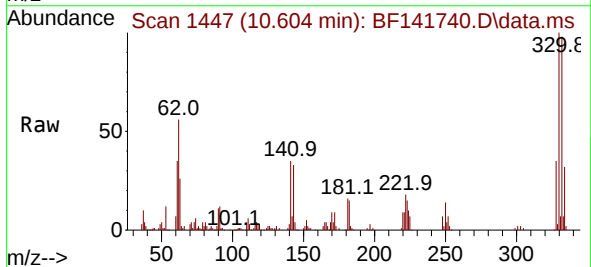
Instrument :
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ClientSampleId :
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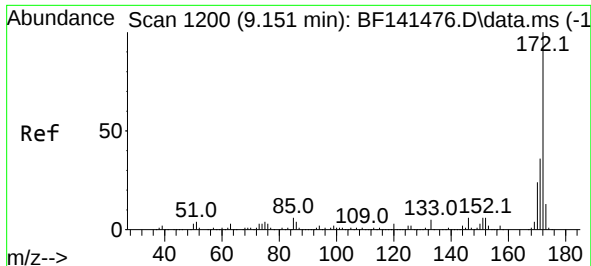
Tgt Ion:164 Resp: 168089
Ion Ratio Lower Upper
164 100
162 102.7 81.3 121.9
160 45.2 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 62.299 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

Tgt Ion:330 Resp: 105194
Ion Ratio Lower Upper
330 100
332 96.1 78.5 117.7
141 37.0 31.0 46.4

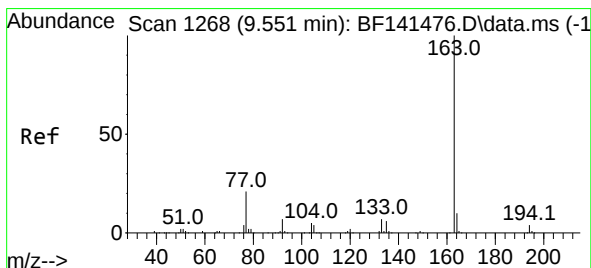
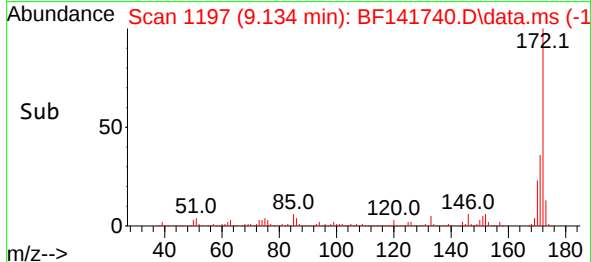
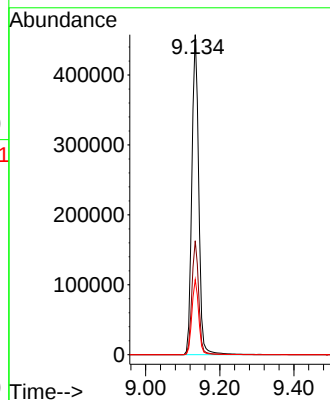
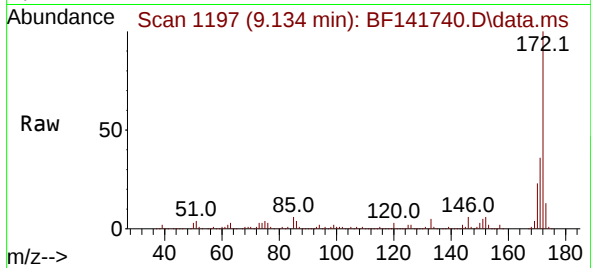




#45
2-Fluorobiphenyl
Concen: 53.978 ng
RT: 9.134 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

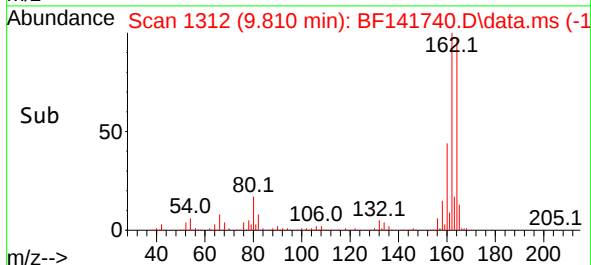
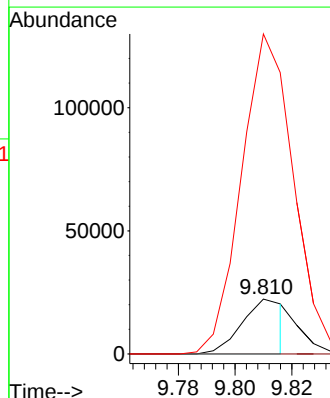
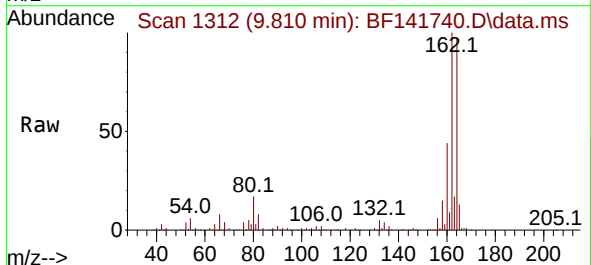
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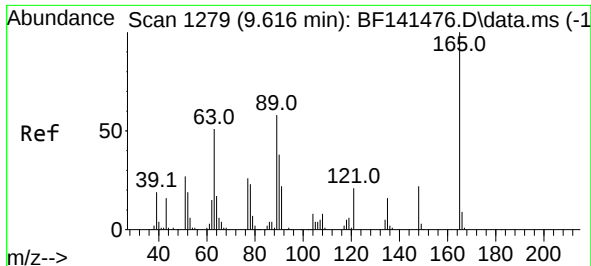
Tgt Ion:172 Resp: 588916
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 23.5 18.9 28.3



#50
Dimethylphthalate
Concen: 2.014 ng
RT: 9.810 min Scan# 1312
Delta R.T. 0.247 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

Tgt Ion:163 Resp: 22979
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 583.5 7.9 11.9#

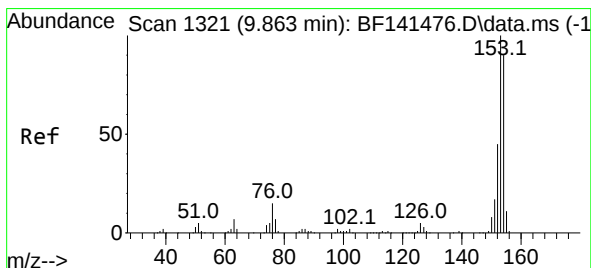
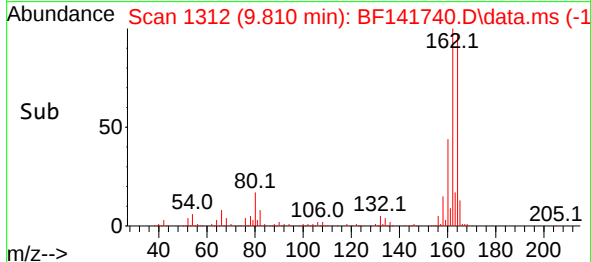
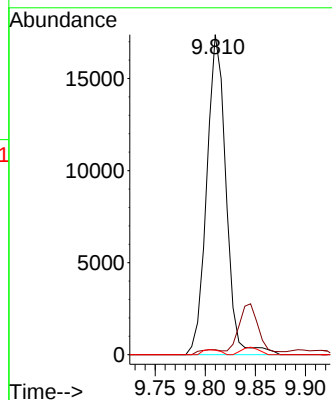
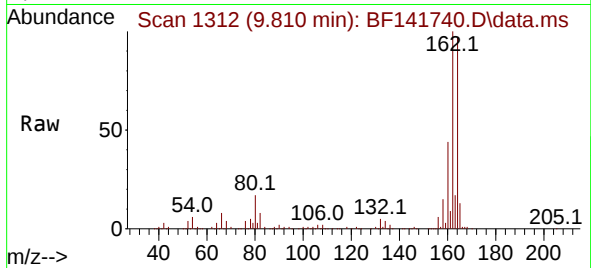




#51
2,6-Dinitrotoluene
Concen: 9.357 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

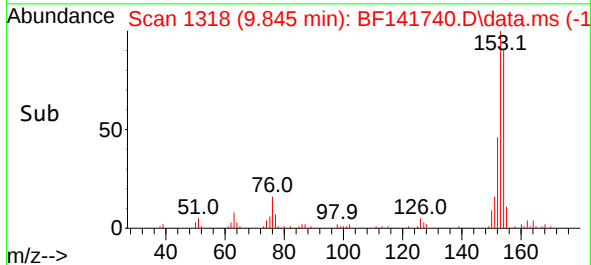
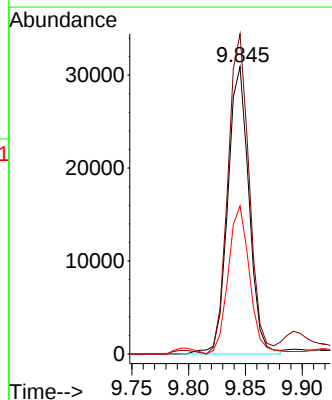
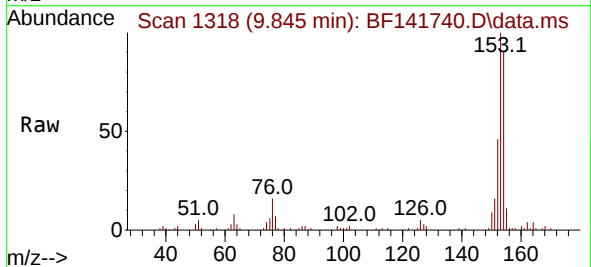
Instrument :
BNA_F
ClientSampleId :
TP7

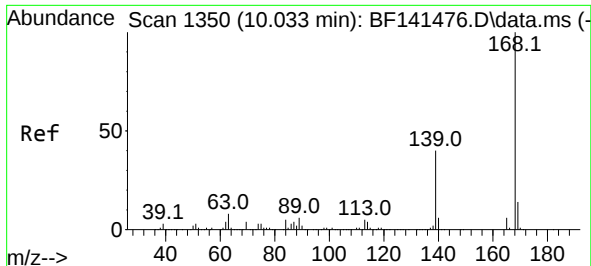
Tgt Ion:165 Resp: 23341
Ion Ratio Lower Upper
165 100
63 1.5 49.4 74.0#
89 1.4 46.5 69.7#



#52
Acenaphthene
Concen: 4.163 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.023 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

Tgt Ion:154 Resp: 40118
Ion Ratio Lower Upper
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153 111.4 89.2 133.8
152 51.5 39.8 59.8

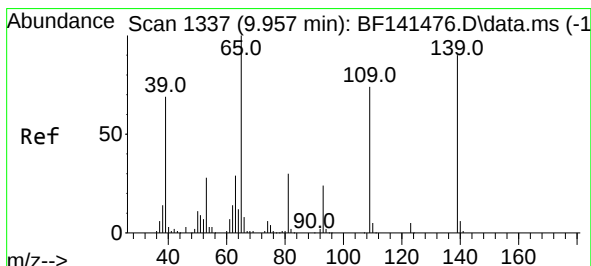
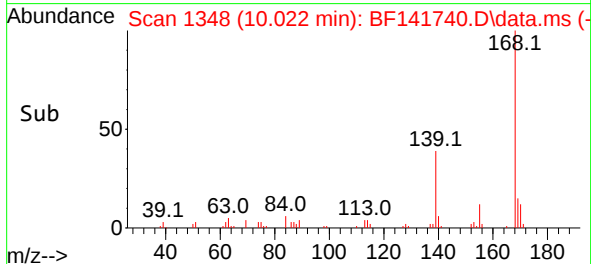
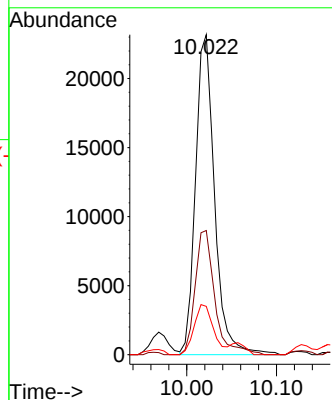
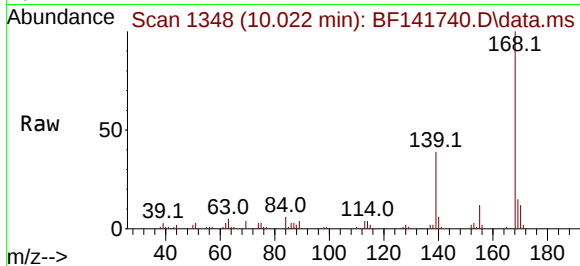




#55
Dibenzenofuran
Concen: 2.415 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.017 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

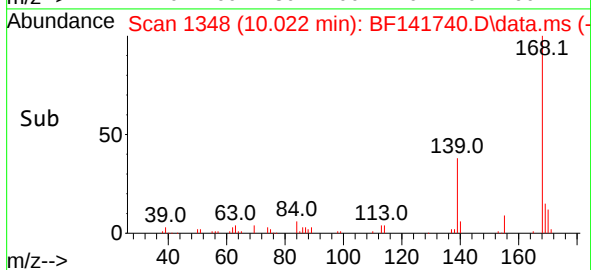
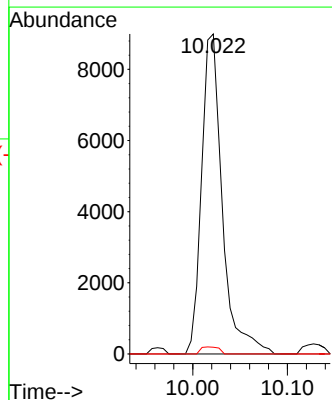
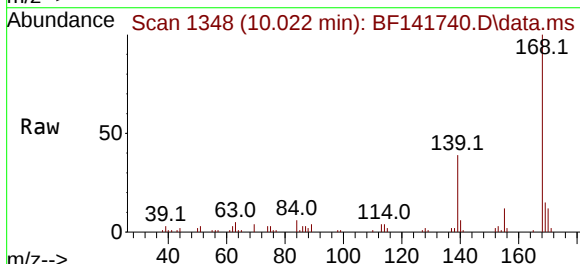
Instrument :
BNA_F
ClientSampleId :
TP7

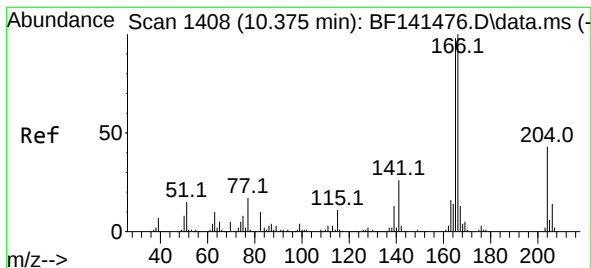
Tgt Ion:168 Resp: 34164
Ion Ratio Lower Upper
168 100
139 38.8 32.7 49.1
169 15.1 10.8 16.2



#56
4-Nitrophenol
Concen: 6.852 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.053 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

Tgt Ion:139 Resp: 13656
Ion Ratio Lower Upper
139 100
109 0.0 62.0 102.0#
65 2.1 91.2 131.2#





#58

Fluorene

Concen: 3.848 ng

RT: 10.363 min Scan# 1406

Delta R.T. -0.017 min

Lab File: BF141740.D

Acq: 24 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

TP7

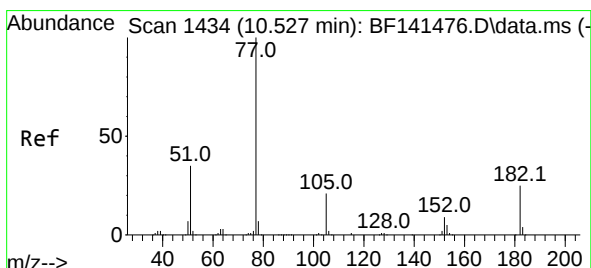
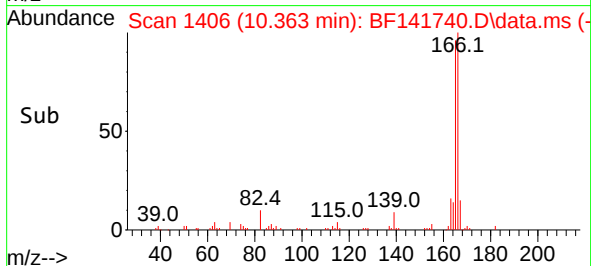
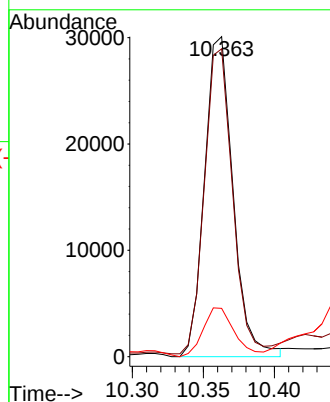
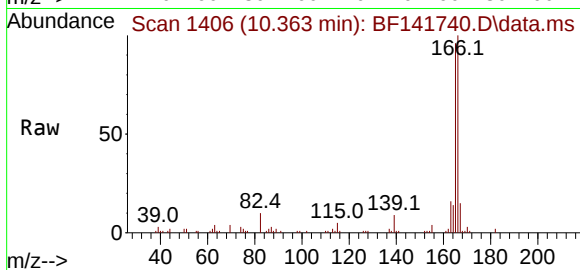
Tgt Ion:166 Resp: 42079

Ion Ratio Lower Upper

166 100

165 96.2 78.2 117.2

167 15.1 10.7 16.1



#63

Azobenzene

Concen: 3.697 ng

RT: 10.522 min Scan# 1433

Delta R.T. -0.012 min

Lab File: BF141740.D

Acq: 24 Feb 2025 12:55

Tgt Ion: 77 Resp: 41261

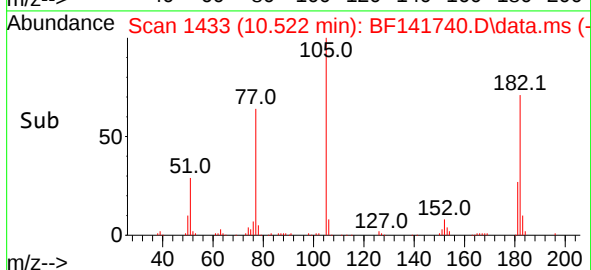
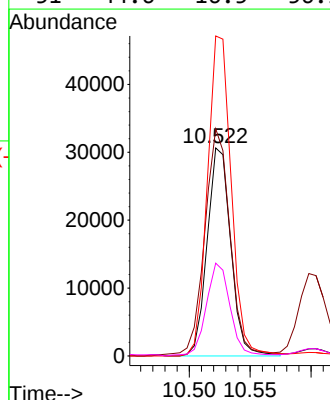
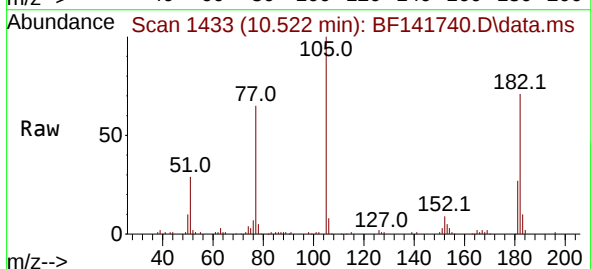
Ion Ratio Lower Upper

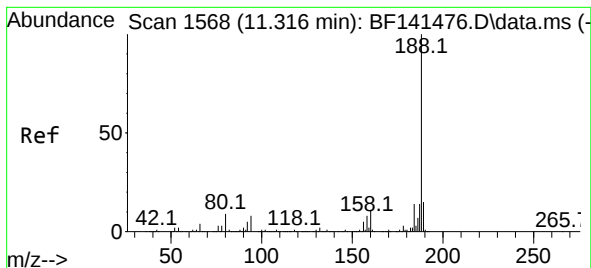
77 100

182 109.2 4.7 44.7#

105 153.8 0.4 40.4#

51 44.6 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 11

Delta R.T. -0.017 min

Lab File: BF141740.D

Acq: 24 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

TP7

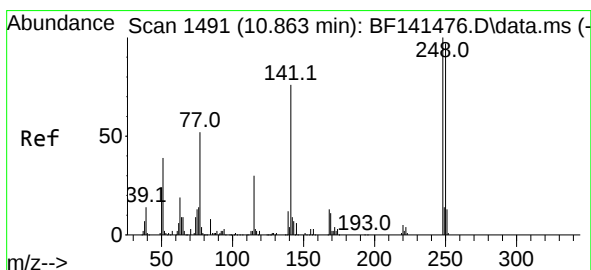
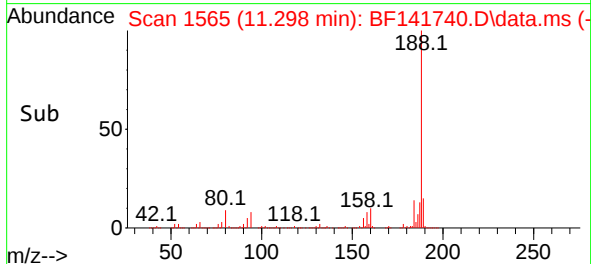
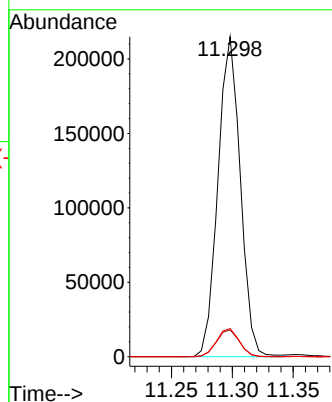
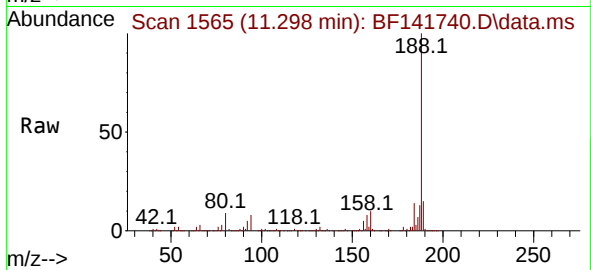
Tgt Ion:188 Resp: 274045

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

80 8.8 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 2.393 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.259 min

Lab File: BF141740.D

Acq: 24 Feb 2025 12:55

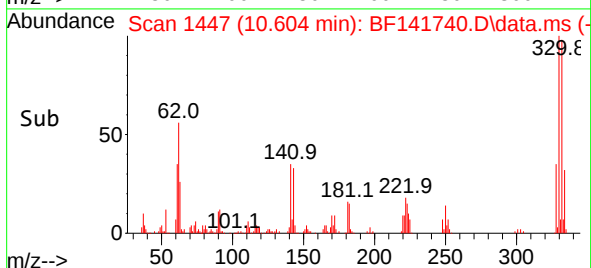
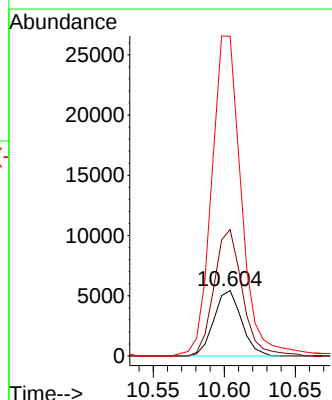
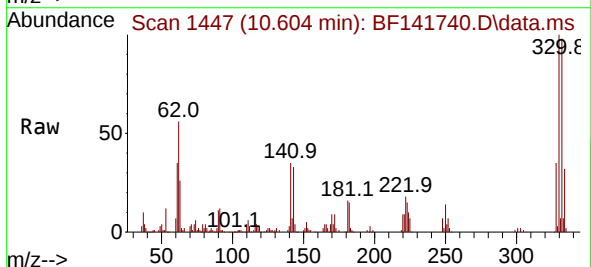
Tgt Ion:248 Resp: 7329

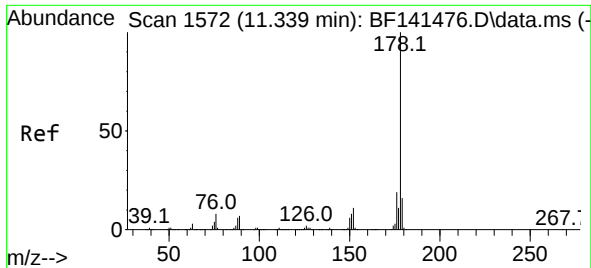
Ion Ratio Lower Upper

248 100

250 193.1 77.8 116.6#

141 488.2 60.6 90.8#

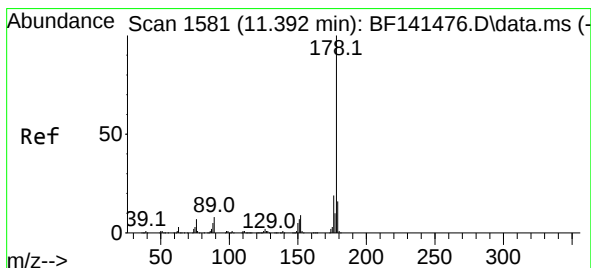
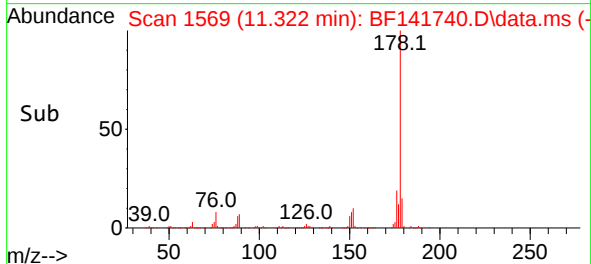
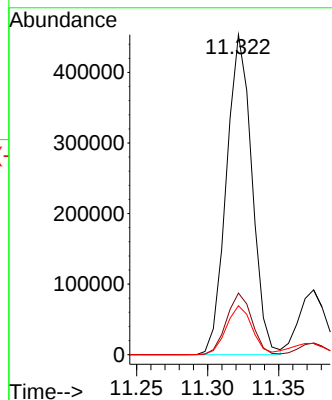
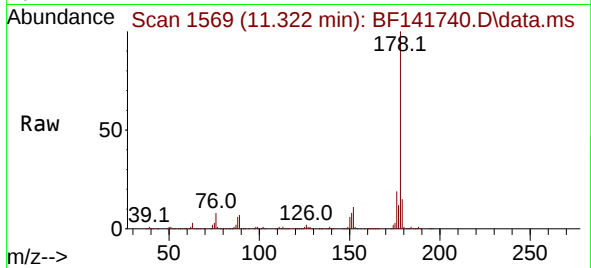




#71
Phenanthrene
Concen: 37.641 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

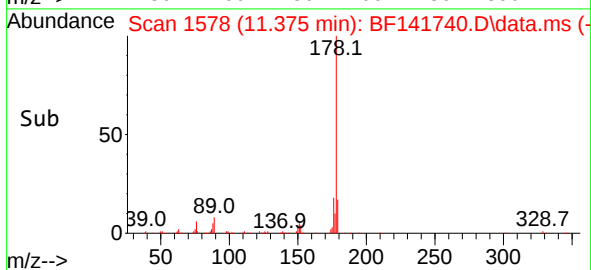
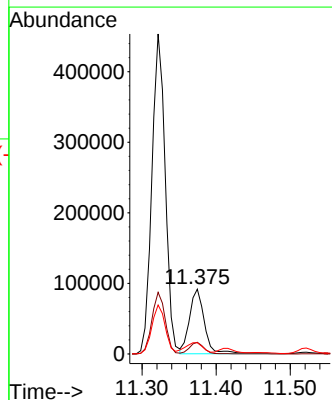
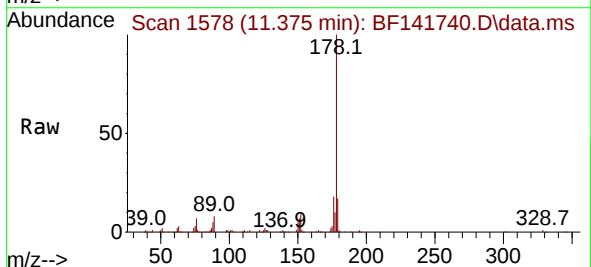
Instrument :
BNA_F
ClientSampleId :
TP7

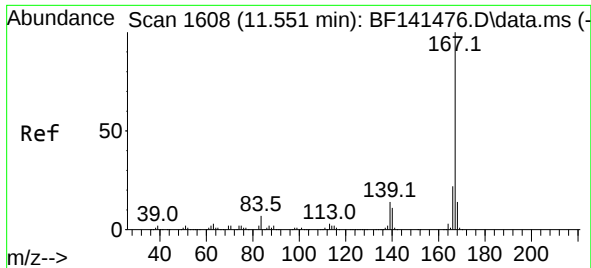
Tgt Ion:178 Resp: 567812
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.3 12.4 18.6



#72
Anthracene
Concen: 8.479 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.023 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

Tgt Ion:178 Resp: 128583
Ion Ratio Lower Upper
178 100
176 18.1 14.8 22.2
179 17.3 12.4 18.6

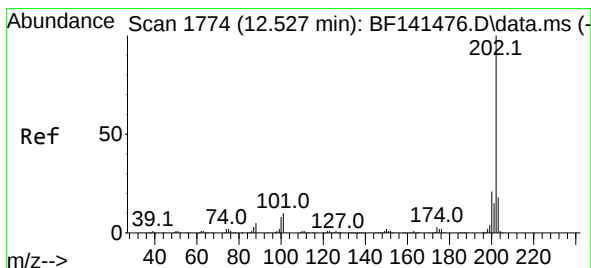
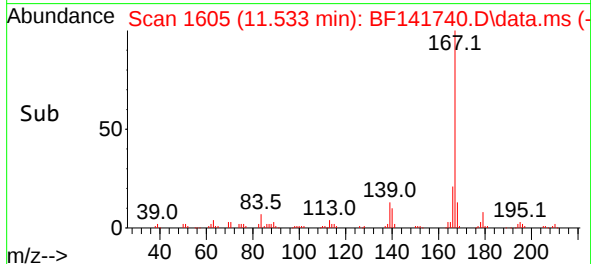
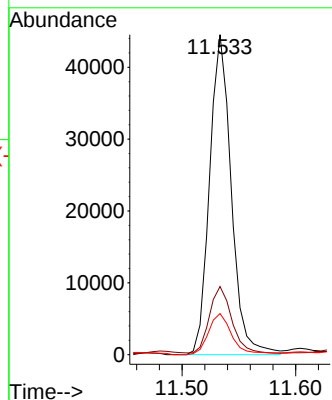
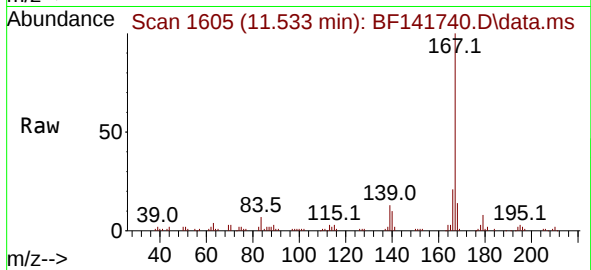




#73
Carbazole
Concen: 4.332 ng
RT: 11.533 min Scan# 1605
Delta R.T. -0.017 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

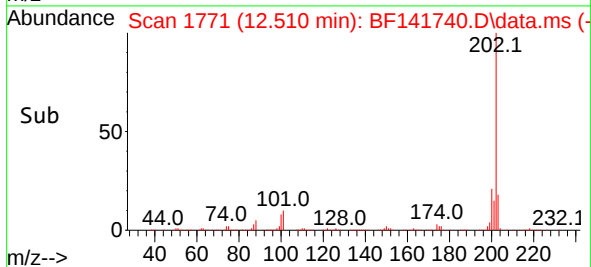
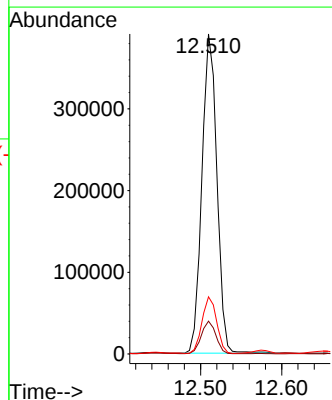
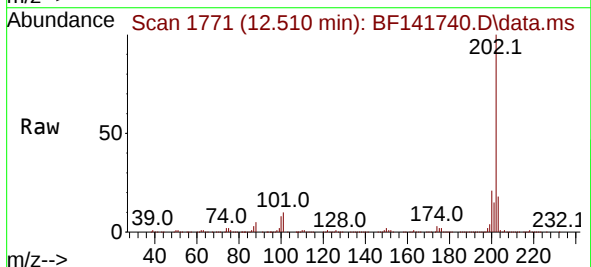
Instrument :
BNA_F
ClientSampleId :
TP7

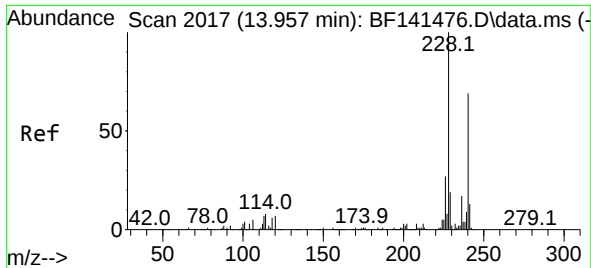
Tgt Ion:167 Resp: 59109
Ion Ratio Lower Upper
167 100
166 21.3 17.4 26.2
139 12.8 10.9 16.3



#75
Fluoranthene
Concen: 31.277 ng
RT: 12.510 min Scan# 1771
Delta R.T. -0.023 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

Tgt Ion:202 Resp: 500217
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.2
203 17.9 0.0 37.6

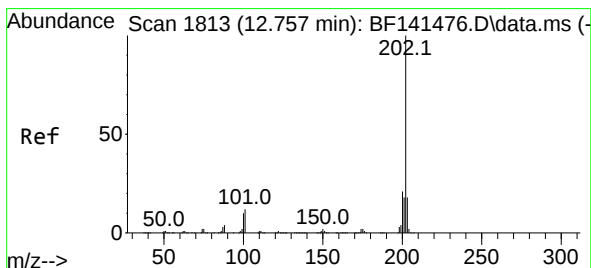
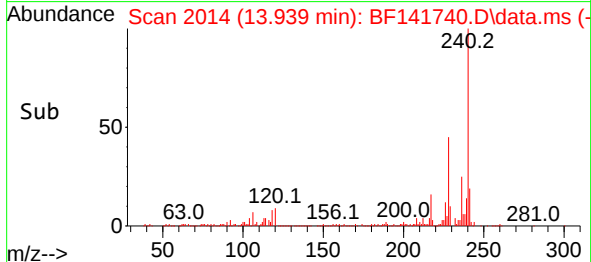
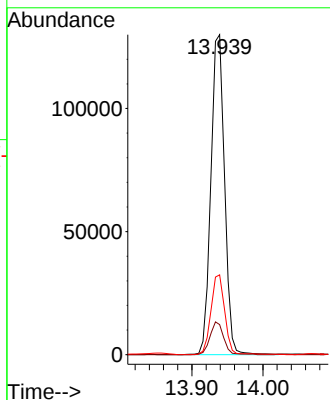
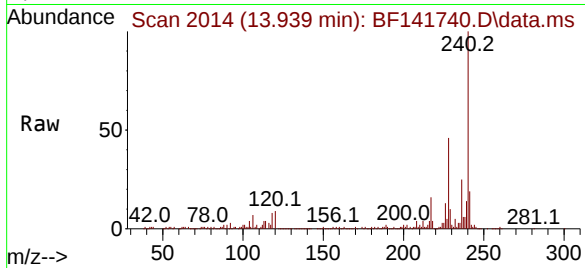




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

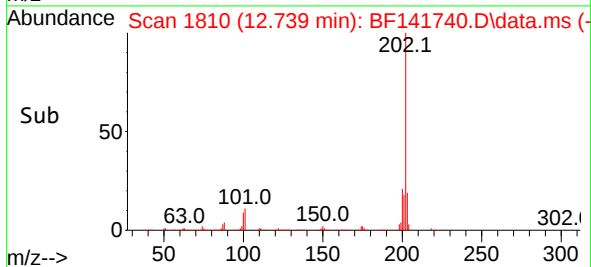
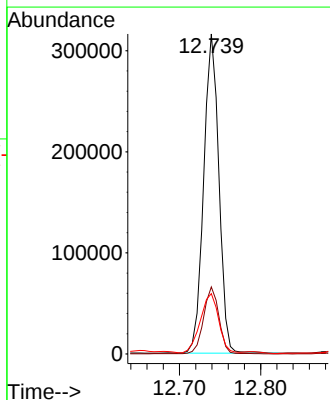
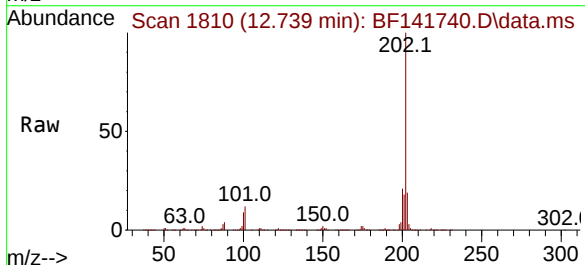
Instrument :
BNA_F
ClientSampleId :
TP7

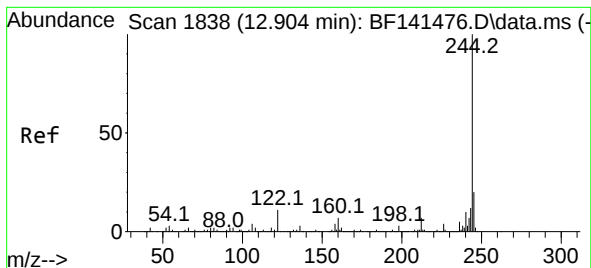
Tgt Ion:240 Resp: 173929
Ion Ratio Lower Upper
240 100
120 9.4 8.0 12.0
236 25.0 19.8 29.8



#78
Pyrene
Concen: 27.710 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

Tgt Ion:202 Resp: 410272
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 18.8 14.3 21.5





#79

Terphenyl-d14

Concen: 50.206 ng

RT: 12.880 min Scan# 1

Delta R.T. -0.023 min

Lab File: BF141740.D

Acq: 24 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

TP7

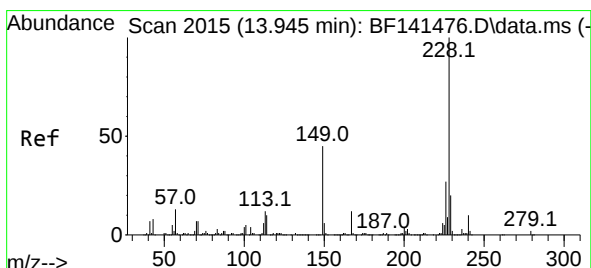
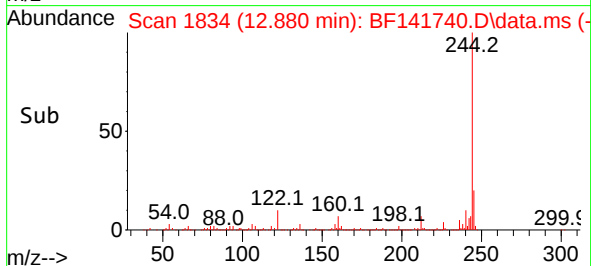
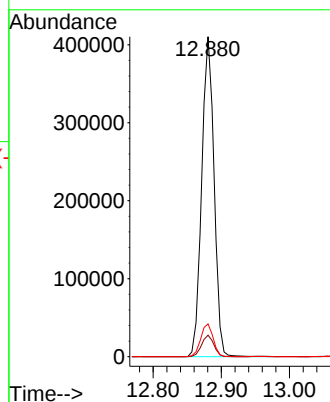
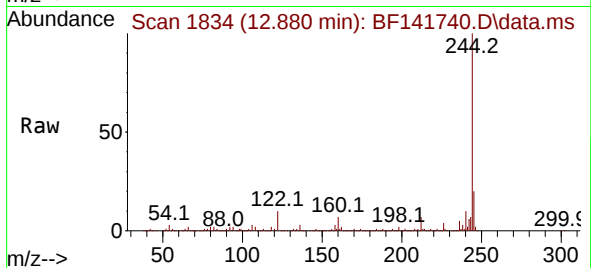
Tgt Ion:244 Resp: 517259

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.3 8.4 12.6



#81

Benzo(a)anthracene

Concen: 17.510 ng

RT: 13.927 min Scan# 2012

Delta R.T. -0.023 min

Lab File: BF141740.D

Acq: 24 Feb 2025 12:55

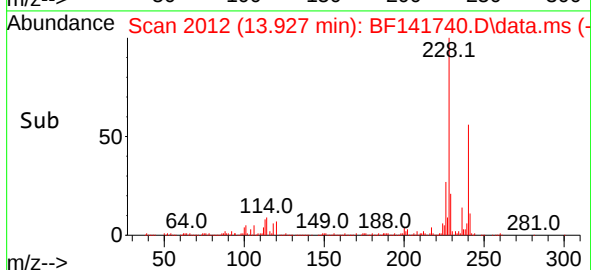
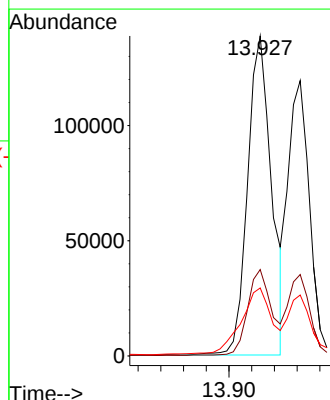
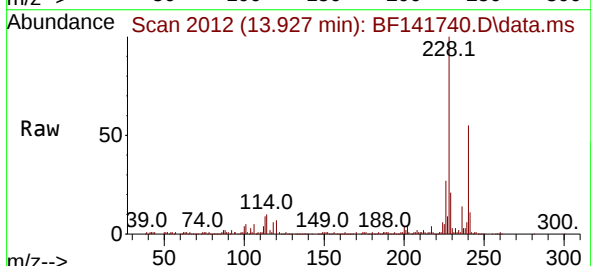
Tgt Ion:228 Resp: 202446

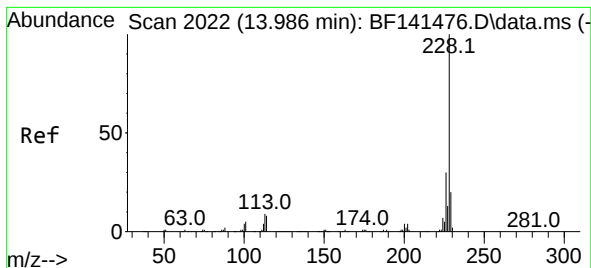
Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

229 21.3 15.8 23.6





#83

Chrysene

Concen: 14.521 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF141740.D

Acq: 24 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

TP7

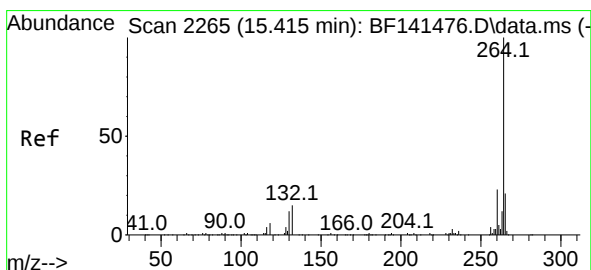
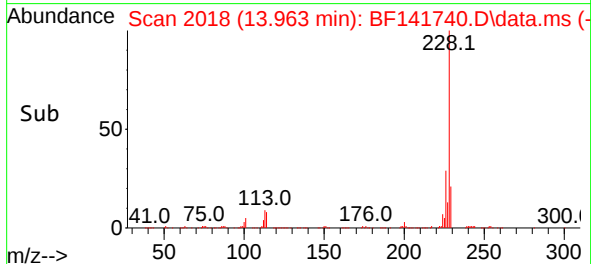
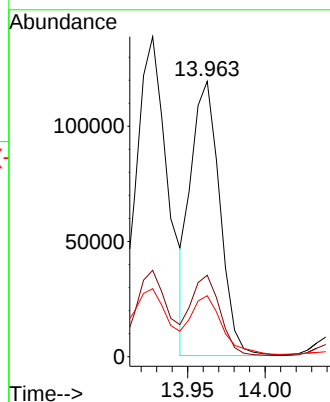
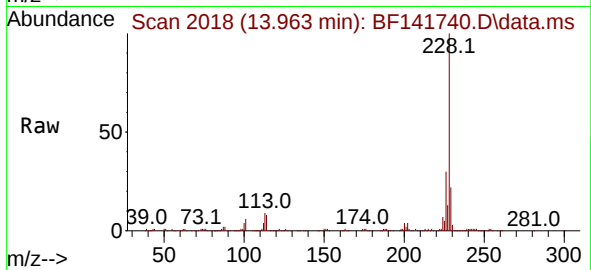
Tgt Ion:228 Resp: 155023

Ion Ratio Lower Upper

228 100

226 29.6 24.0 36.0

229 22.2 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.380 min Scan# 2259

Delta R.T. -0.035 min

Lab File: BF141740.D

Acq: 24 Feb 2025 12:55

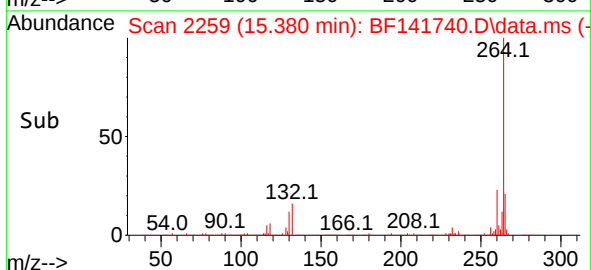
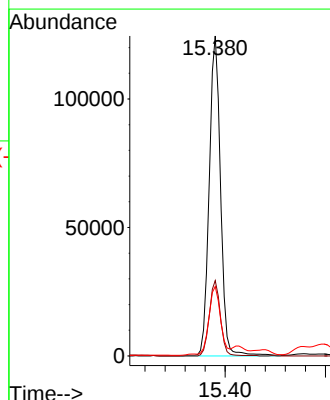
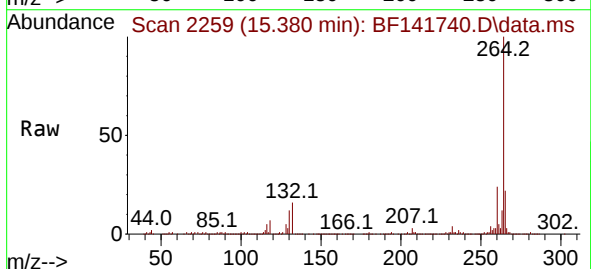
Tgt Ion:264 Resp: 196160

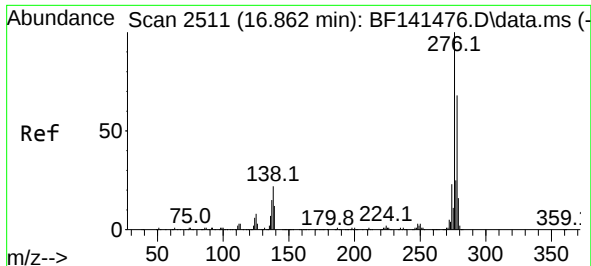
Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.7 17.0 25.4

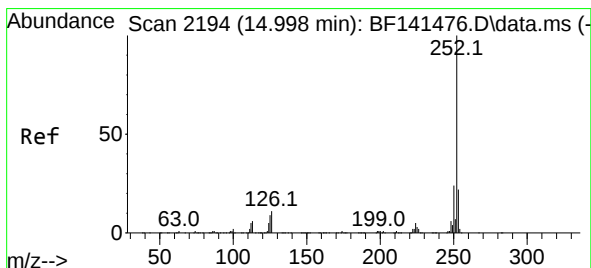
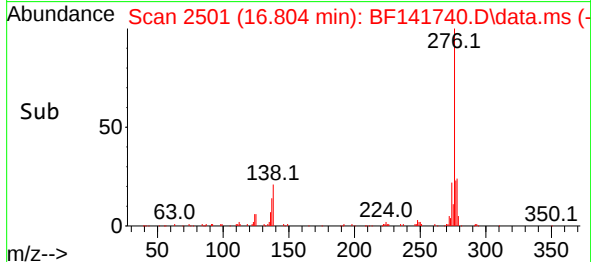
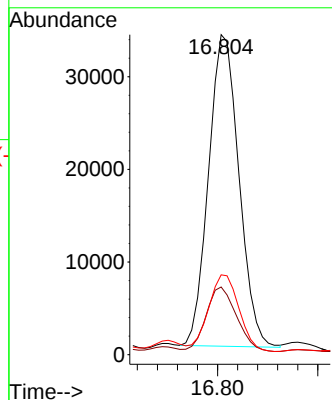
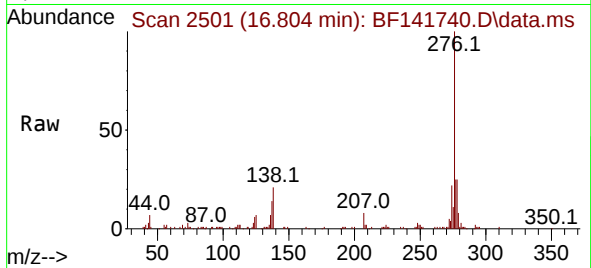




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.845 ng
RT: 16.804 min Scan# 2180
Delta R.T. -0.070 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

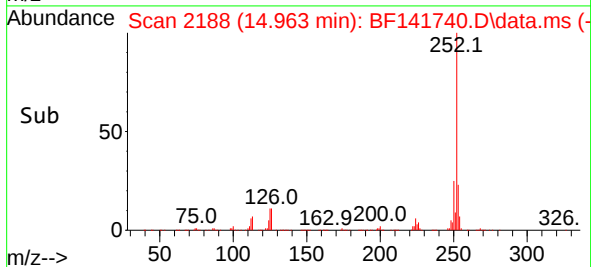
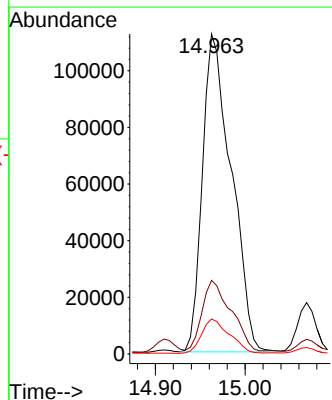
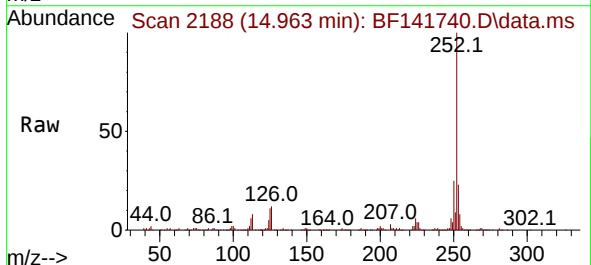
Instrument :
BNA_F
ClientSampleId :
TP7

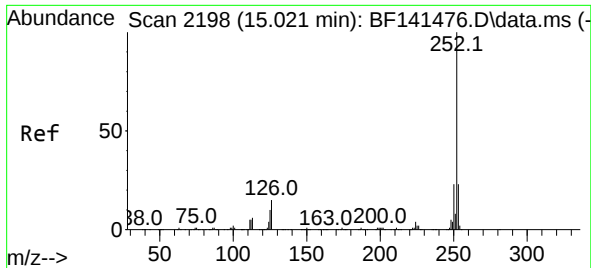
Tgt Ion:276 Resp: 70844
Ion Ratio Lower Upper
276 100
138 22.0 18.0 27.0
277 24.7 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 19.062 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.041 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

Tgt Ion:252 Resp: 251072
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.9 7.0 10.6#

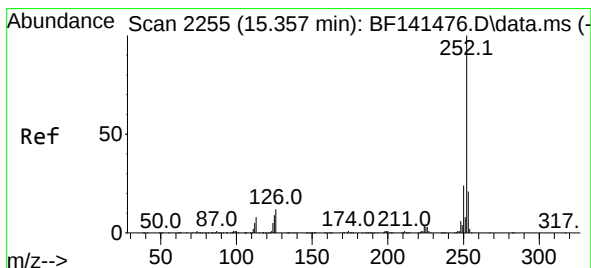
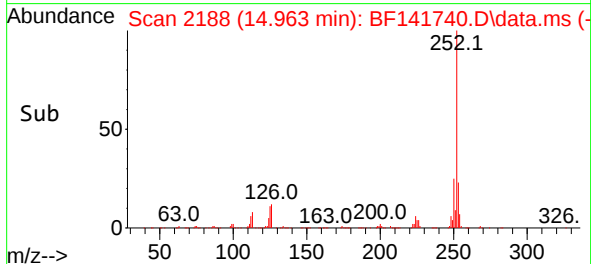
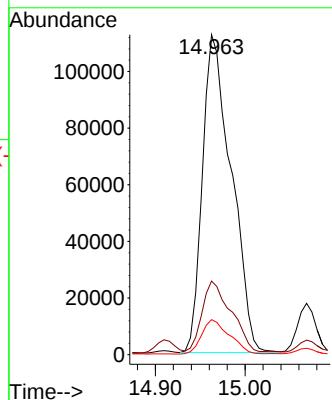
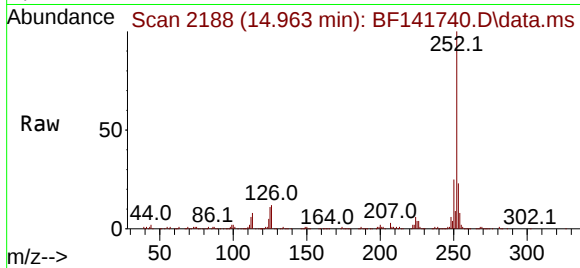




#89
Benzo(k)fluoranthene
Concen: 22.323 ng
RT: 14.963 min Scan# 2198
Delta R.T. -0.070 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

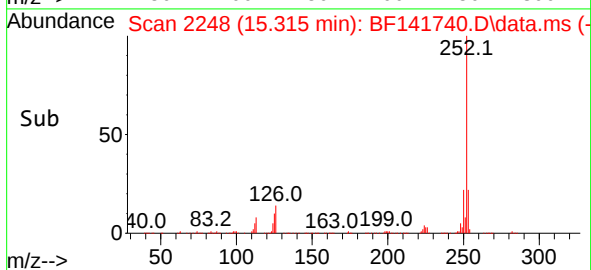
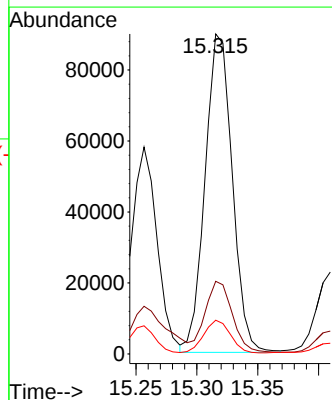
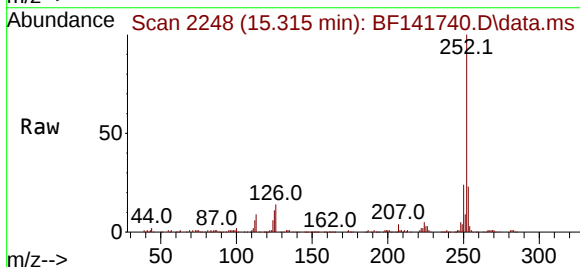
Instrument :
BNA_F
ClientSampleId :
TP7

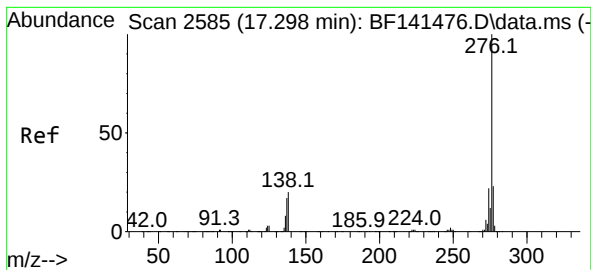
Tgt Ion:252 Resp: 251072
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 10.9 7.4 11.0



#90
Benzo(a)pyrene
Concen: 13.071 ng
RT: 15.315 min Scan# 2248
Delta R.T. -0.047 min
Lab File: BF141740.D
Acq: 24 Feb 2025 12:55

Tgt Ion:252 Resp: 139304
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 10.5 7.4 11.2





#92

Benzo(g,h,i)perylene

Concen: 6.120 ng

RT: 17.239 min Scan# 21

Delta R.T. -0.076 min

Lab File: BF141740.D

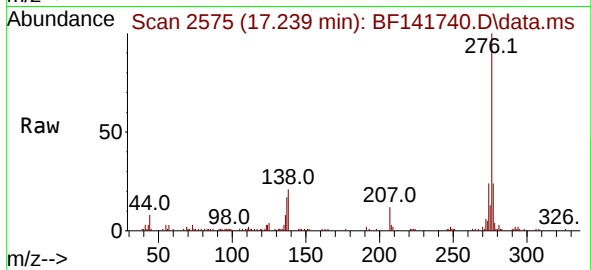
Acq: 24 Feb 2025 12:55

Instrument :

BNA_F

ClientSampleId :

TP7



Tgt Ion:276 Resp: 62895

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 20.8 15.9 23.9

