

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141517.D
 Acq On : 07 Feb 2025 19:28
 Operator : RC/JU
 Sample : Q1216-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-18.1-012825

Quant Time: Feb 07 22:25:54 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	6.792	152	82228	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	318645	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	157303	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	230152	20.000	ng	0.00
76) Chrysene-d12	13.963	240	150696	20.000	ng	0.00
86) Perylene-d12	15.427	264	115335	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	596193	113.669	ng	0.00
7) Phenol-d6	6.434	99	739295	111.520	ng	0.00
23) Nitrobenzene-d5	7.351	82	486249	79.593	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	158241	100.141	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	795054	77.868	ng	0.00
79) Terphenyl-d14	12.904	244	656010	73.490	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	66904	16.872	ng	# 75
25) Isophorone	7.351	82	469468	48.195	ng	# 66
50) Dimethylphthalate	9.828	163	23477	2.198	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	21612	9.258	ng	# 23
52) Acenaphthene	9.857	154	55600	6.166	ng	97
55) Dibenzofuran	10.033	168	34603	2.614	ng	# 96
58) Fluorene	10.375	166	55674	5.440	ng	99
63) Azobenzene	10.539	77	23722	2.271	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	10943	4.254	ng	# 1
71) Phenanthrene	11.339	178	830853	65.582	ng	100
72) Anthracene	11.392	178	198986	15.625	ng	99
73) Carbazole	11.545	167	29099	2.539	ng	97
75) Fluoranthene	12.533	202	935117	69.622	ng	100
78) Pyrene	12.763	202	940217	73.292	ng	99
81) Benzo(a)anthracene	13.951	228	373513	37.287	ng	98
83) Chrysene	13.986	228	307547	33.250	ng	98
84) Bis(2-ethylhexyl)phtha...	13.939	149	13903	2.774	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.868	276	99398	13.948	ng	96
88) Benzo(b)fluoranthene	15.010	252	358672	46.315	ng	# 96
89) Benzo(k)fluoranthene	15.010	252	358672	54.239	ng	# 97
90) Benzo(a)pyrene	15.368	252	205867	32.853	ng	96
91) Dibenzo(a,h)anthracene	16.880	278	25430	4.404	ng	# 87
92) Benzo(g,h,i)perylene	17.309	276	98423	16.288	ng	98

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

JPP-18.1-012825

Response via : Initial Calibration

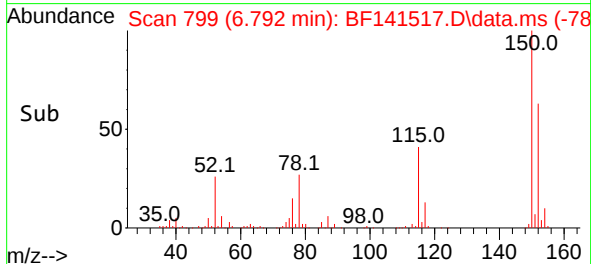
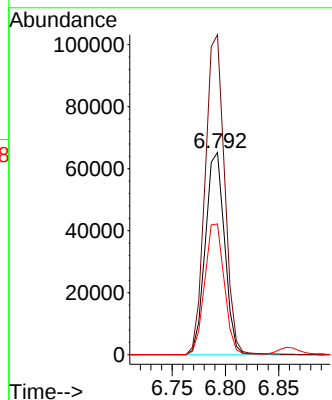
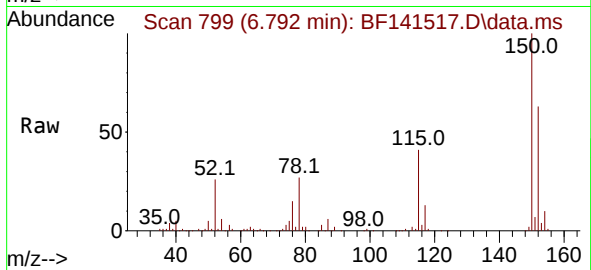




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

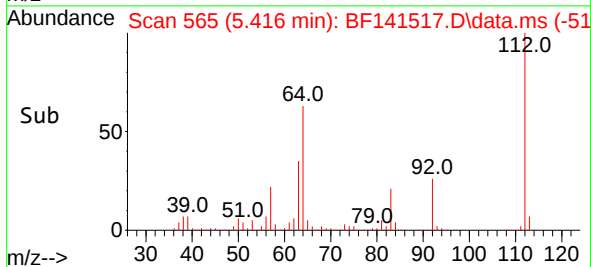
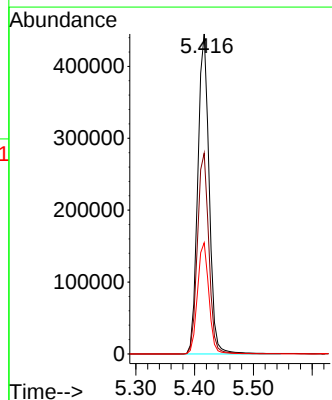
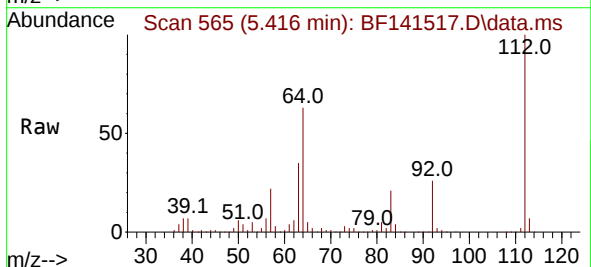
Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

Tgt Ion:152 Resp: 82228
Ion Ratio Lower Upper
152 100
150 158.3 125.0 187.4
115 64.7 53.6 80.4



#5
2-Fluorophenol
Concen: 113.669 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:112 Resp: 596193
Ion Ratio Lower Upper
112 100
64 62.7 51.1 76.7
63 34.8 28.4 42.6

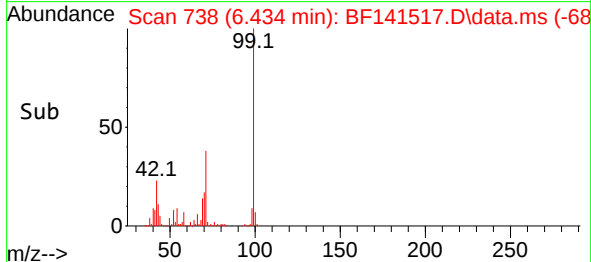
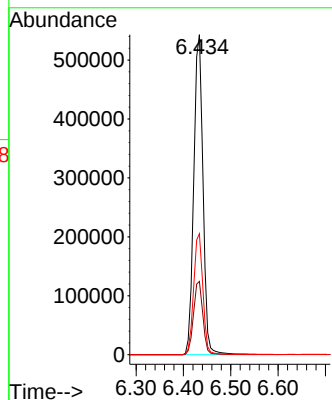
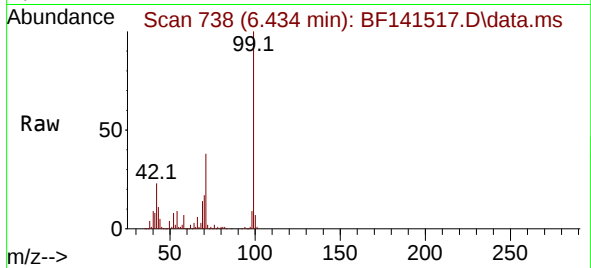




#7
Phenol-d6
Concen: 111.520 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

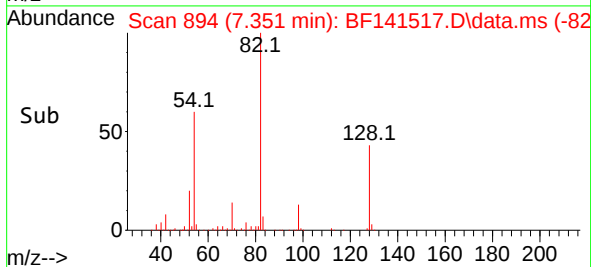
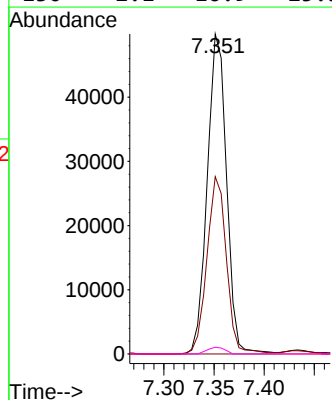
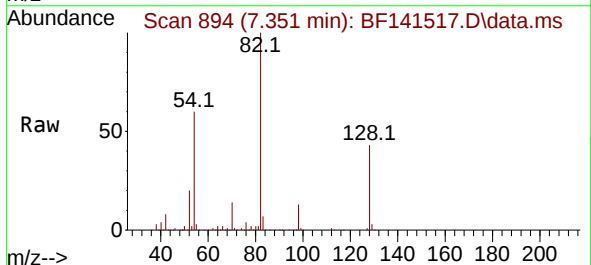
Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

Tgt Ion: 99 Resp: 739295
Ion Ratio Lower Upper
99 100
42 22.9 19.1 28.7
71 37.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 16.872 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion: 70 Resp: 66904
Ion Ratio Lower Upper
70 100
42 55.4 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

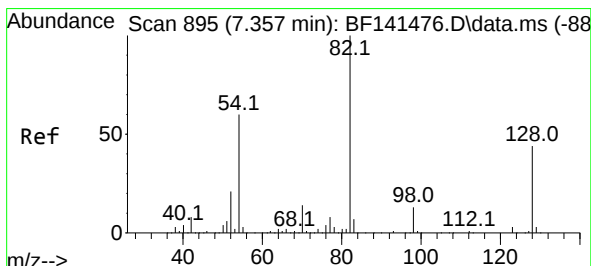
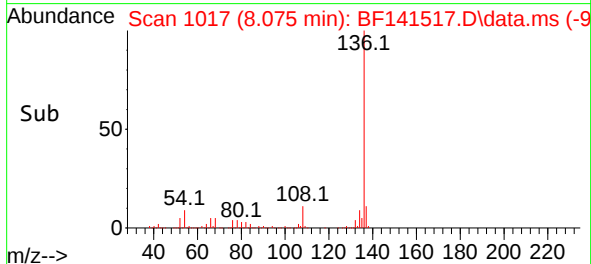
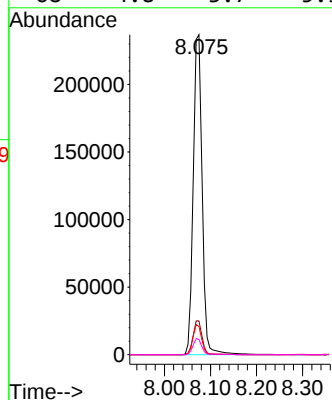
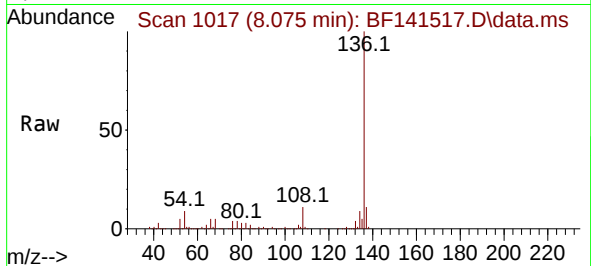




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

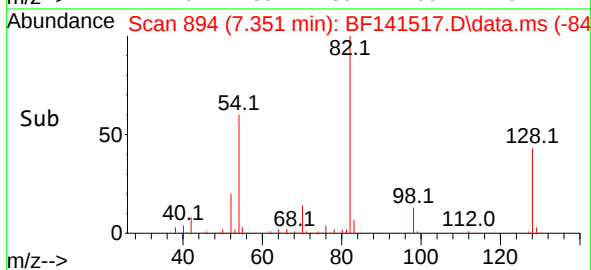
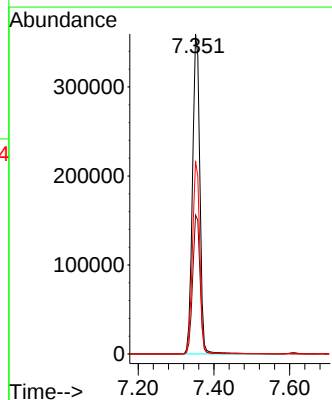
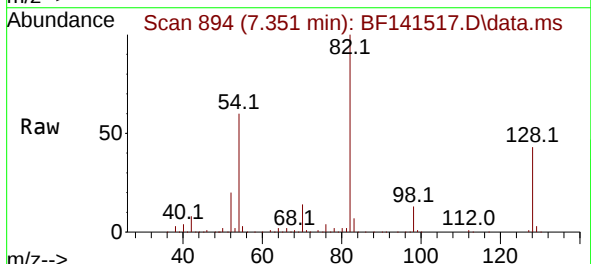
Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

Tgt Ion:136 Resp: 318645
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.8 7.2 10.8
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 79.593 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion: 82 Resp: 486249
Ion Ratio Lower Upper
82 100
128 43.4 34.8 52.2
54 60.3 48.2 72.4

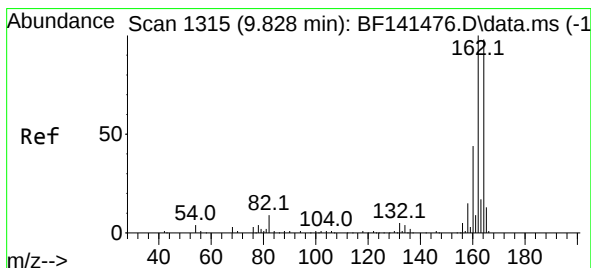
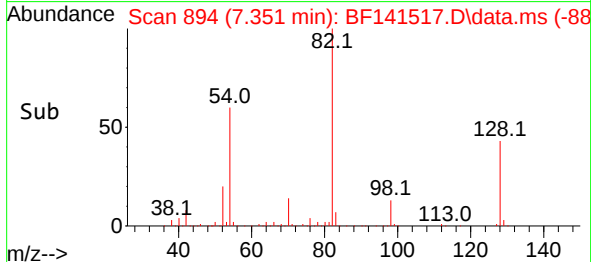
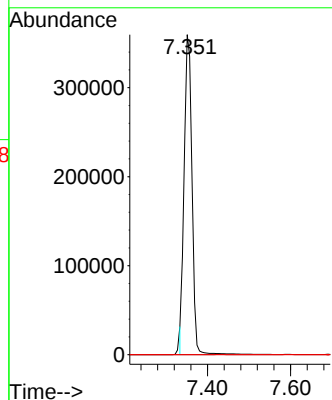
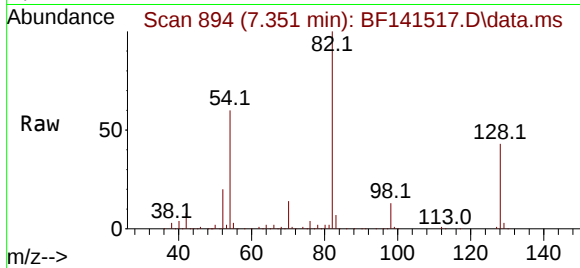




#25
Isophorone
Concen: 48.195 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

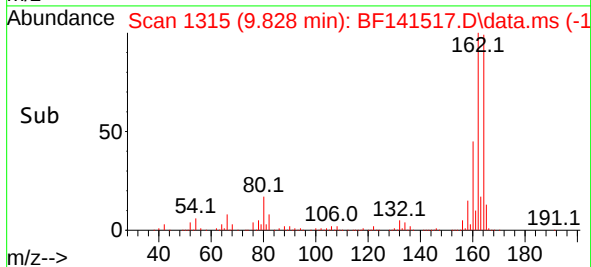
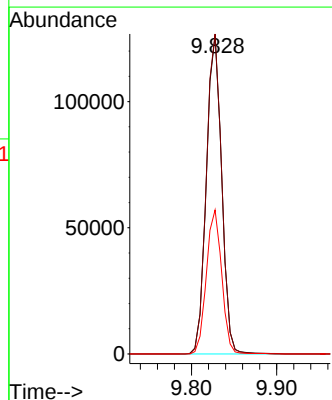
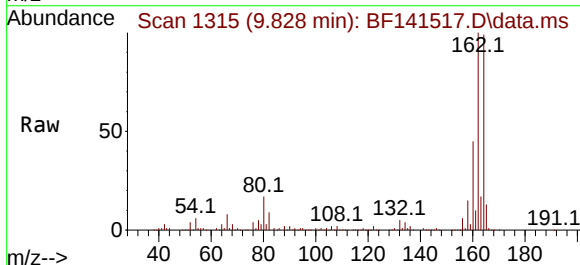
Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

Tgt Ion: 82 Resp: 469468
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:164 Resp: 157303
Ion Ratio Lower Upper
164 100
162 100.6 81.3 121.9
160 45.2 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 100.141 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

Instrument :

BNA_F

ClientSampleId :

JPP-18.1-012825

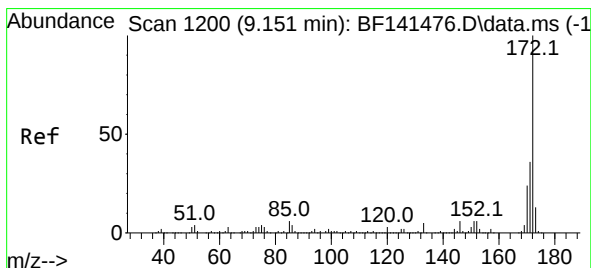
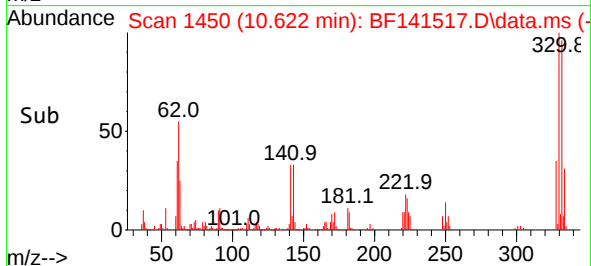
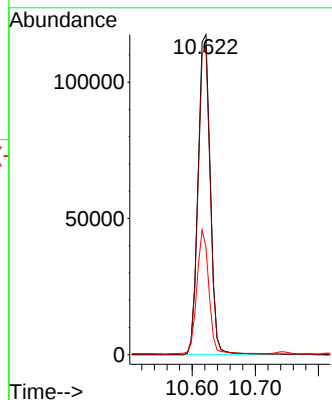
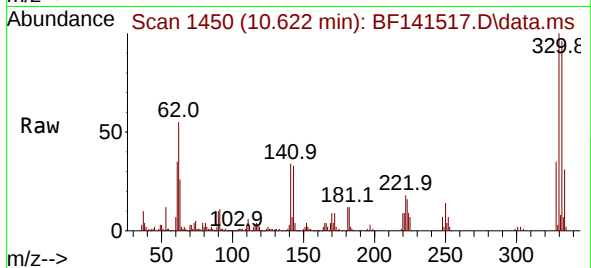
Tgt Ion:330 Resp: 158241

Ion Ratio Lower Upper

330 100

332 96.2 78.5 117.7

141 37.7 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 77.868 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

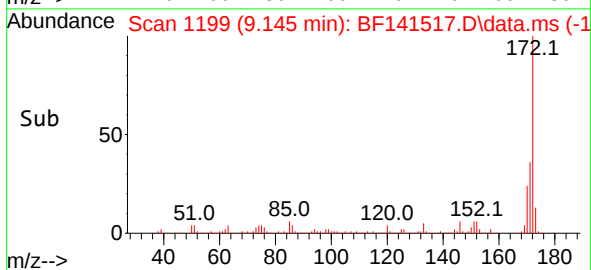
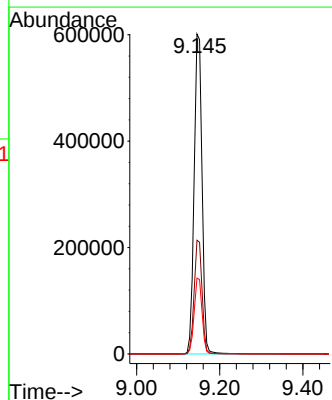
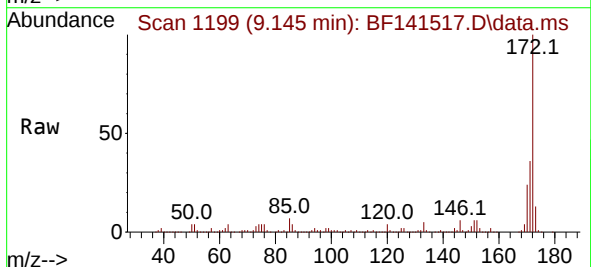
Tgt Ion:172 Resp: 795054

Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 23.7 18.9 28.3

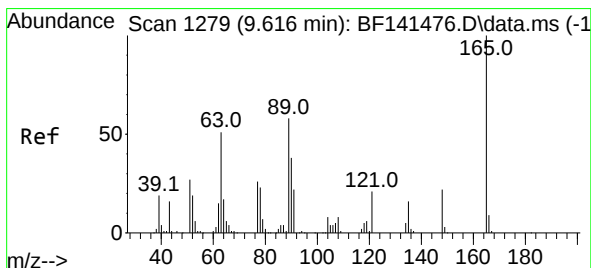
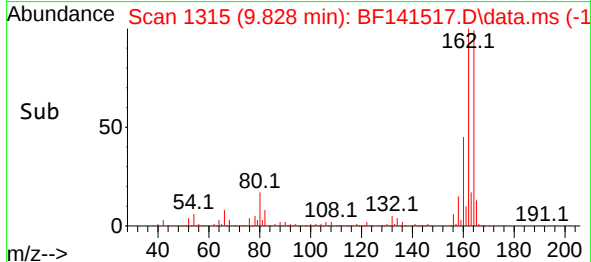
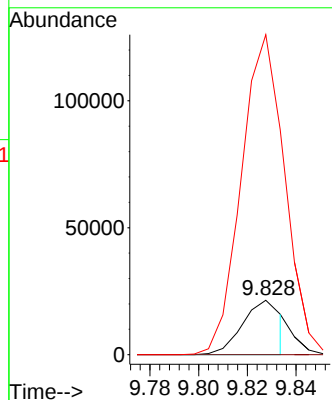
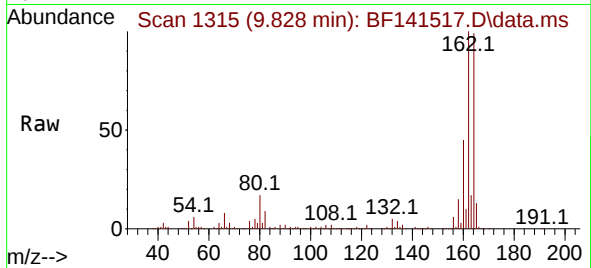




#50
Dimethylphthalate
Concen: 2.198 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

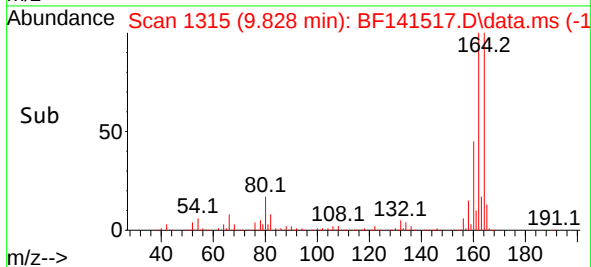
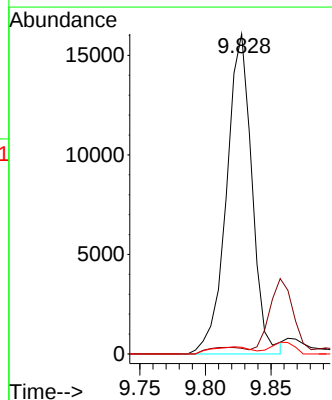
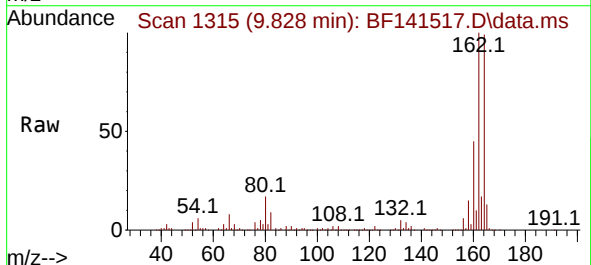
Instrument :
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JPP-18.1-012825

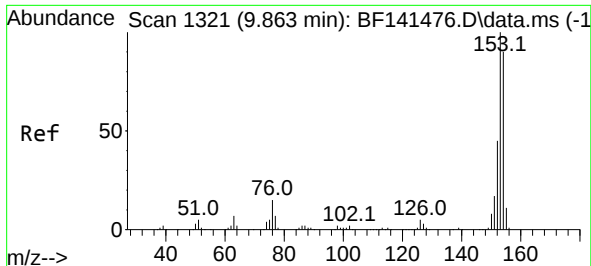
Tgt Ion:163 Resp: 23477
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 588.4 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 9.258 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:165 Resp: 21612
Ion Ratio Lower Upper
165 100
63 1.7 49.4 74.0#
89 2.1 46.5 69.7#

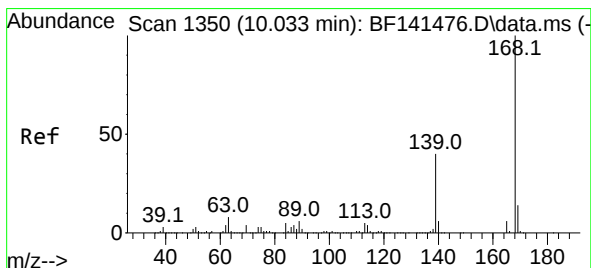
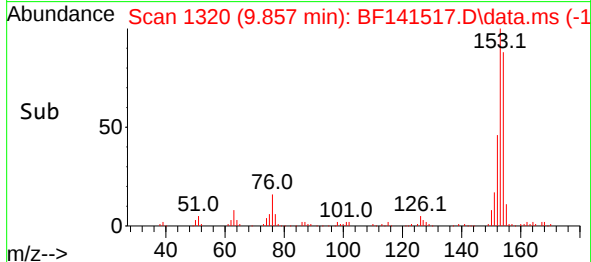
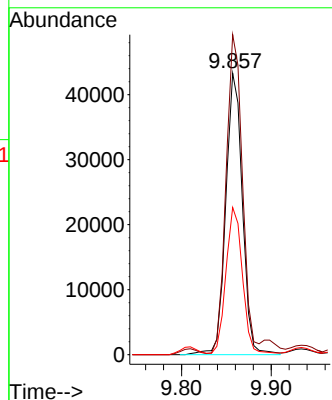
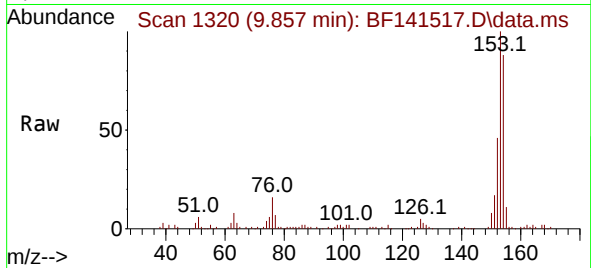




#52
Acenaphthene
Concen: 6.166 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

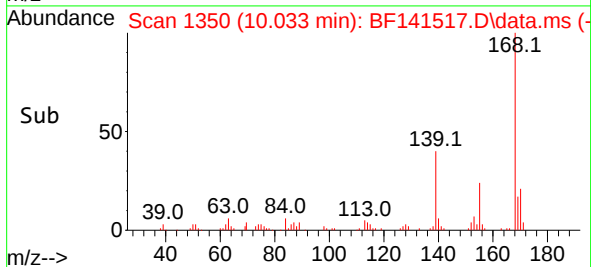
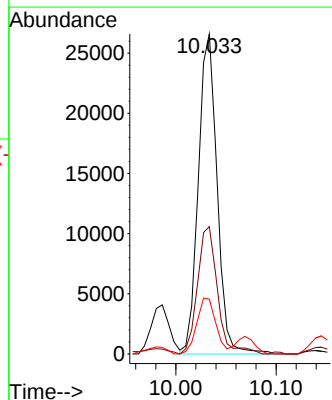
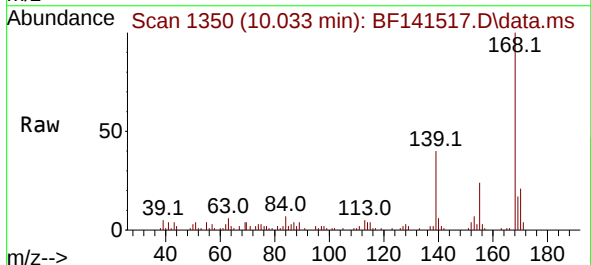
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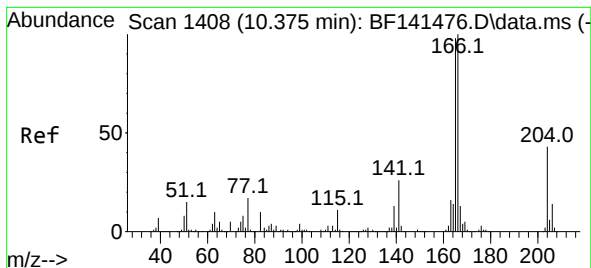
Tgt Ion:154 Resp: 55600
Ion Ratio Lower Upper
154 100
153 113.7 89.2 133.8
152 52.3 39.8 59.8



#55
Dibenzofuran
Concen: 2.614 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:168 Resp: 34603
Ion Ratio Lower Upper
168 100
139 39.8 32.7 49.1
169 17.1 10.8 16.2#





#58

Fluorene

Concen: 5.440 ng

RT: 10.375 min Scan# 1408

Delta R.T. -0.006 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

Instrument :

BNA_F

ClientSampleId :

JPP-18.1-012825

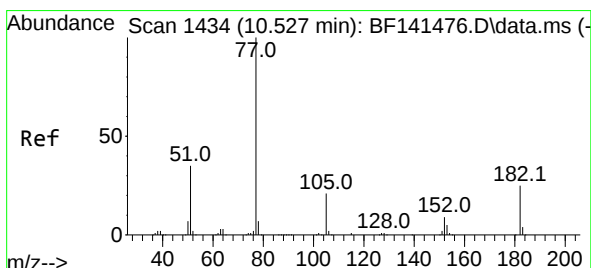
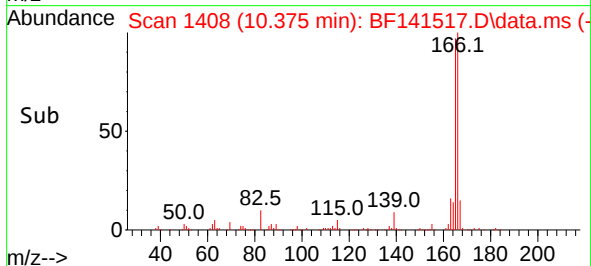
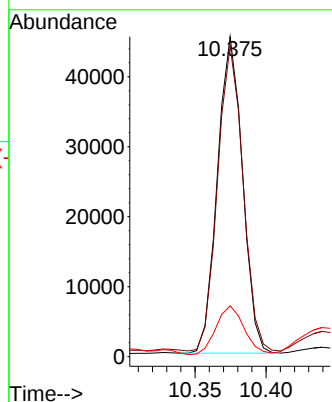
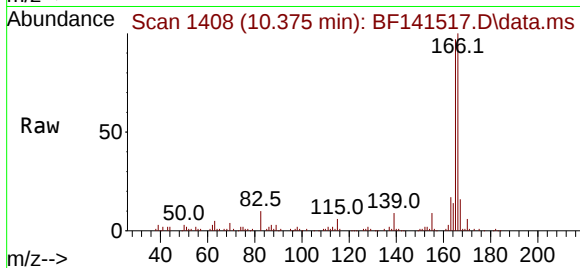
Tgt Ion:166 Resp: 55674

Ion Ratio Lower Upper

166 100

165 97.2 78.2 117.2

167 15.9 10.7 16.1



#63

Azobenzene

Concen: 2.271 ng

RT: 10.539 min Scan# 1436

Delta R.T. 0.006 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

Tgt Ion: 77 Resp: 23722

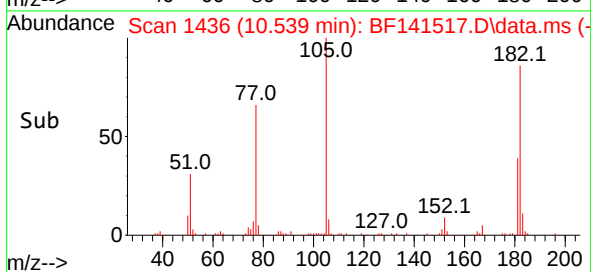
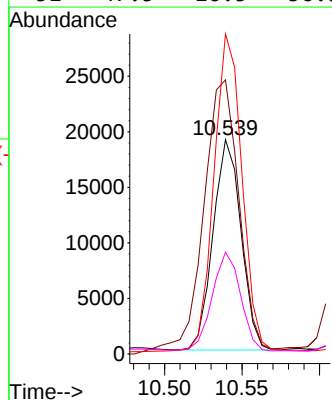
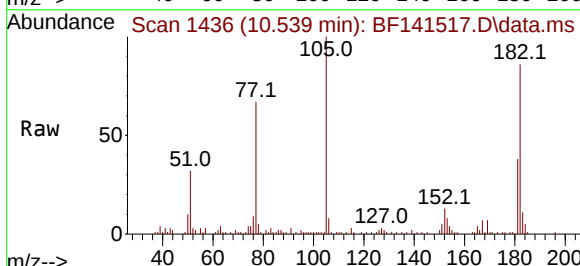
Ion Ratio Lower Upper

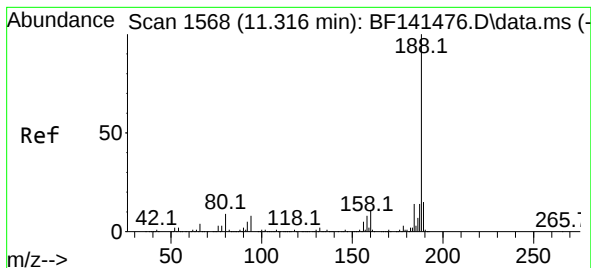
77 100

182 128.0 4.7 44.7#

105 149.4 0.4 40.4#

51 47.5 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

Instrument :

BNA_F

ClientSampleId :

JPP-18.1-012825

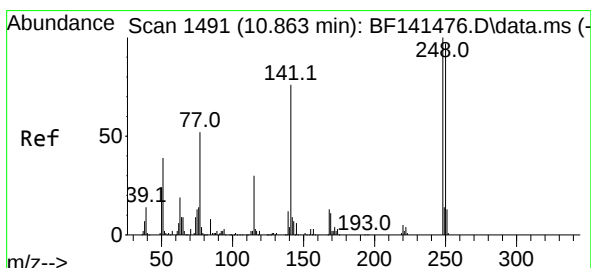
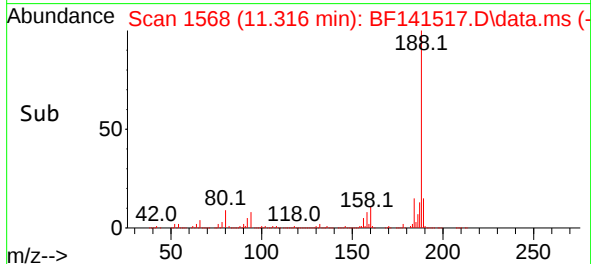
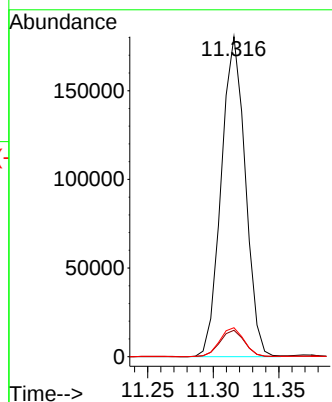
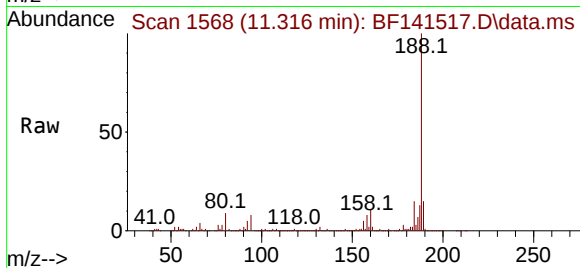
Tgt Ion:188 Resp: 230152

Ion Ratio Lower Upper

188 100

94 8.3 6.6 10.0

80 9.1 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 4.254 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.247 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

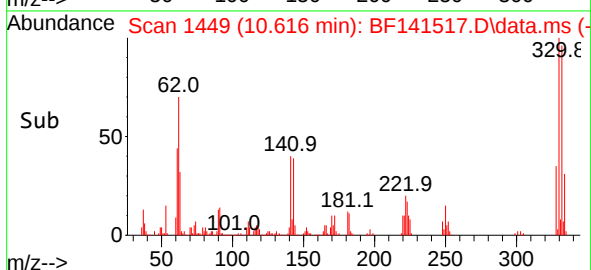
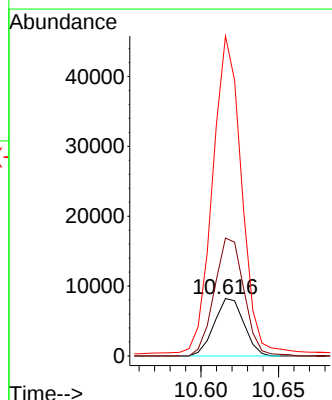
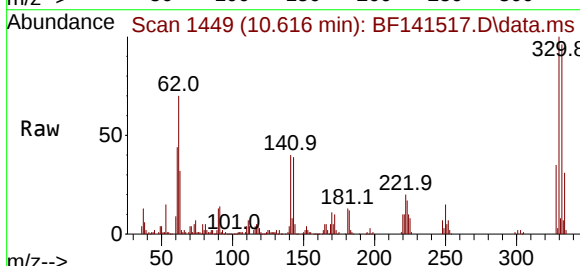
Tgt Ion:248 Resp: 10943

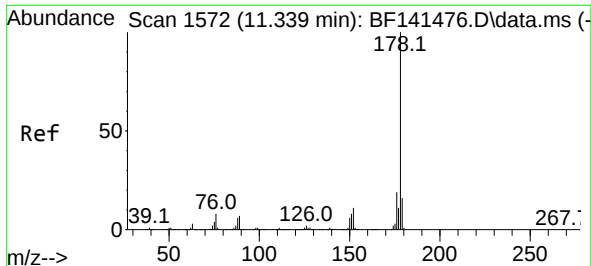
Ion Ratio Lower Upper

248 100

250 205.3 77.8 116.6#

141 557.4 60.6 90.8#

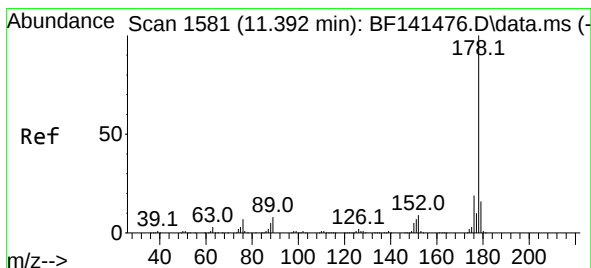
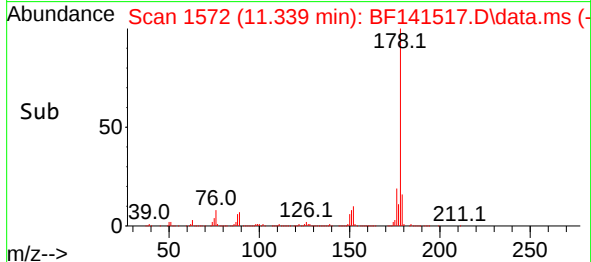
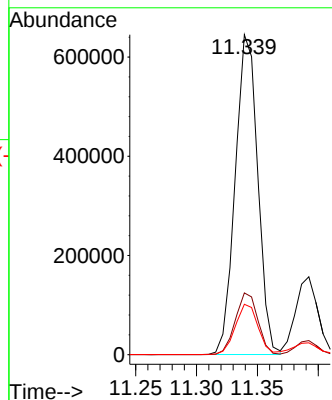
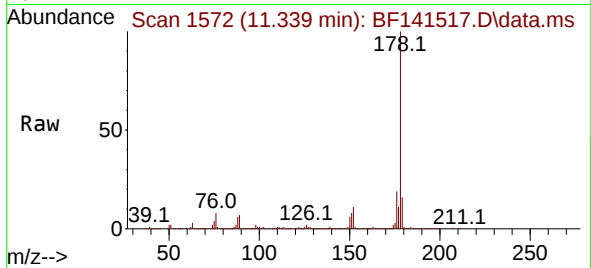




#71
Phenanthrene
Concen: 65.582 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

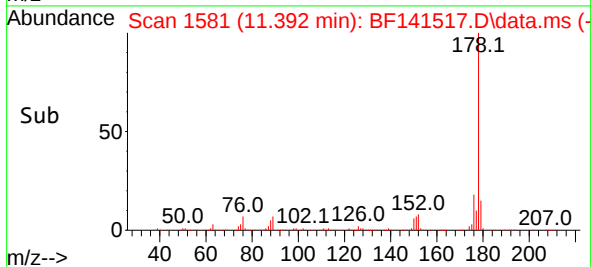
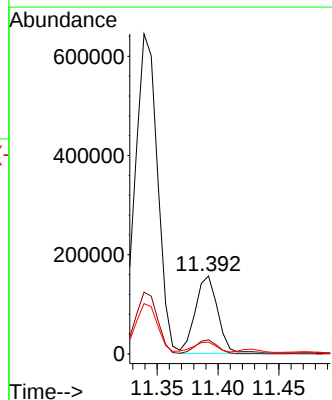
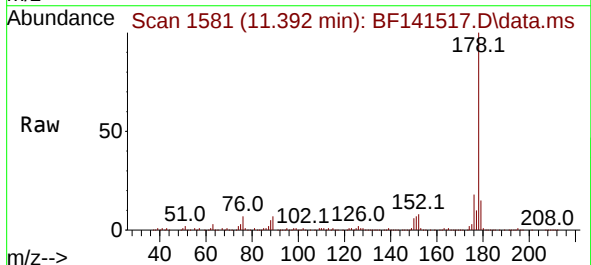
Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

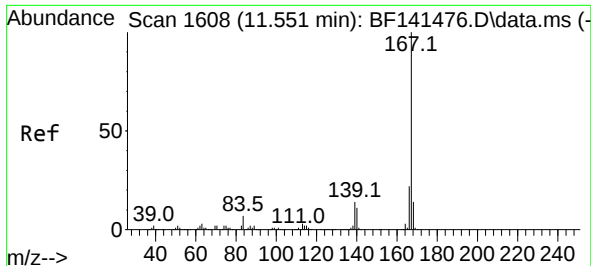
Tgt Ion:178 Resp: 830853
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.8 12.4 18.6



#72
Anthracene
Concen: 15.625 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:178 Resp: 198986
Ion Ratio Lower Upper
178 100
176 18.1 14.8 22.2
179 15.2 12.4 18.6

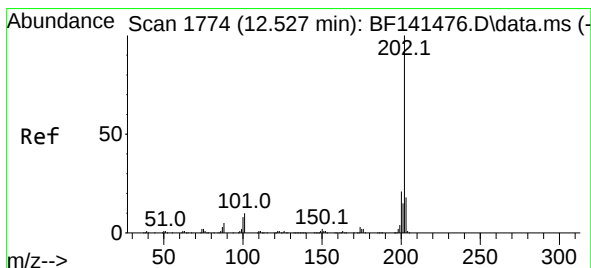
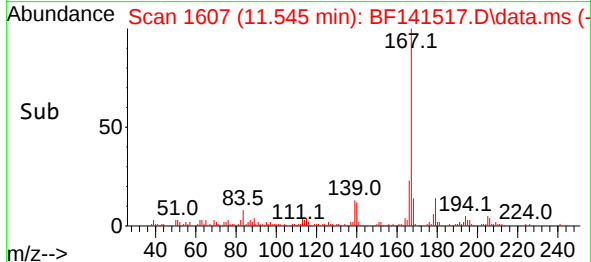
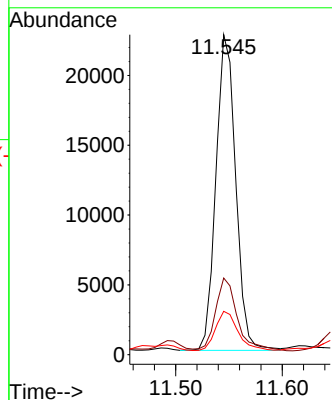
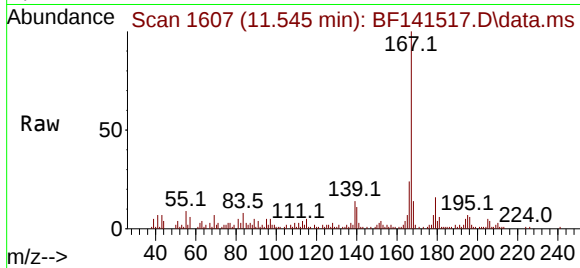




#73
 Carbazole
 Concen: 2.539 ng
 RT: 11.545 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF141517.D
 Acq: 07 Feb 2025 19:28

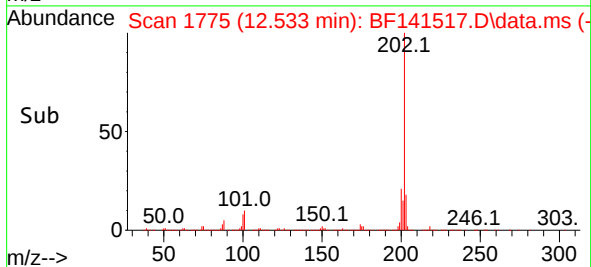
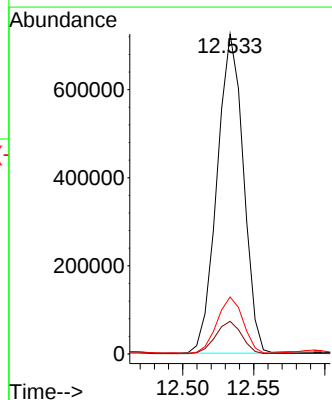
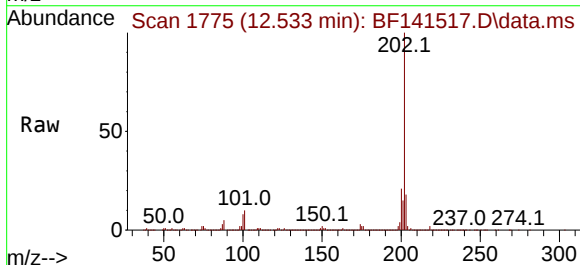
Instrument :
 BNA_F
 ClientSampleId :
 JPP-18.1-012825

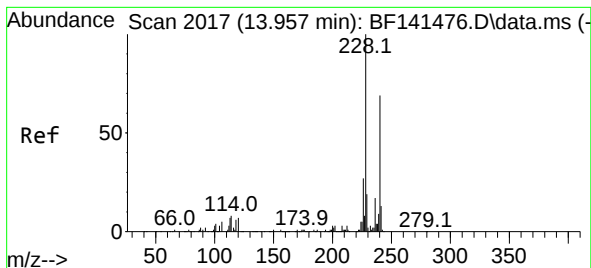
Tgt Ion:	167	Resp:	29099
Ion	Ratio	Lower	Upper
167	100		
166	23.9	17.4	26.2
139	13.6	10.9	16.3



#75
 Fluoranthene
 Concen: 69.622 ng
 RT: 12.533 min Scan# 1775
 Delta R.T. 0.000 min
 Lab File: BF141517.D
 Acq: 07 Feb 2025 19:28

Tgt Ion:	202	Resp:	935117
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	30.2
203	17.8	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

Instrument :

BNA_F

ClientSampleId :

JPP-18.1-012825

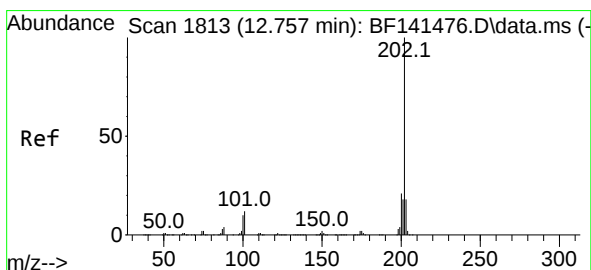
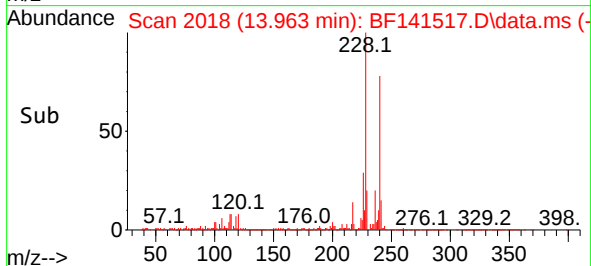
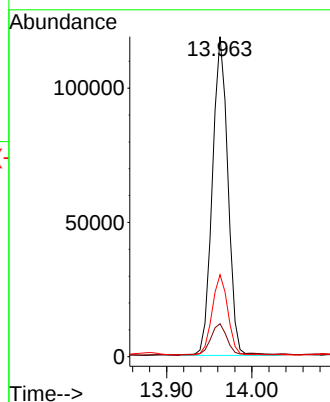
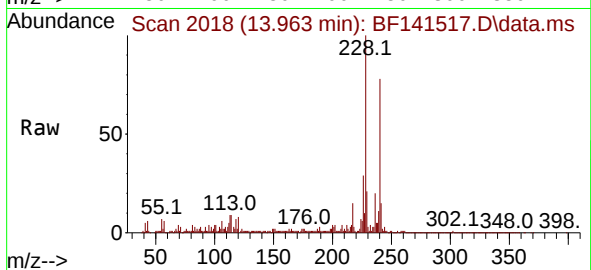
Tgt Ion:240 Resp: 150696

Ion Ratio Lower Upper

240 100

120 10.3 8.0 12.0

236 25.6 19.8 29.8



#78

Pyrene

Concen: 73.292 ng

RT: 12.763 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

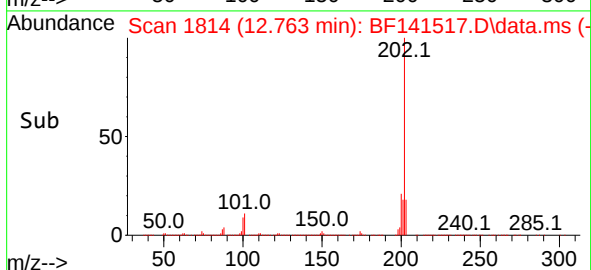
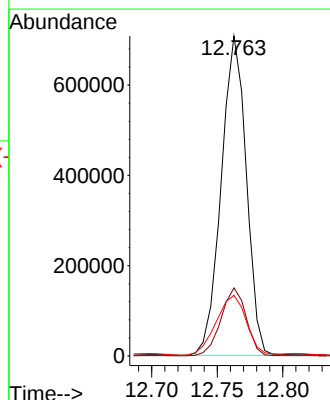
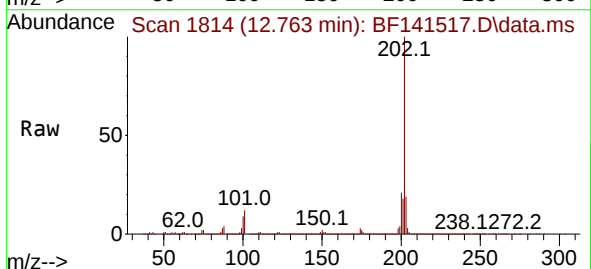
Tgt Ion:202 Resp: 940217

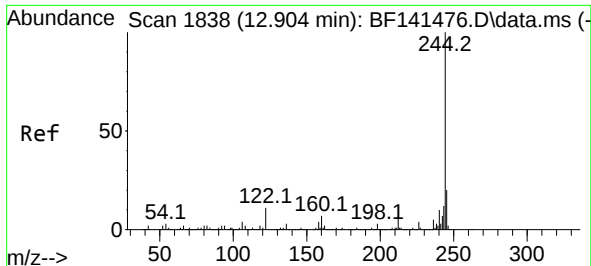
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 18.9 14.3 21.5

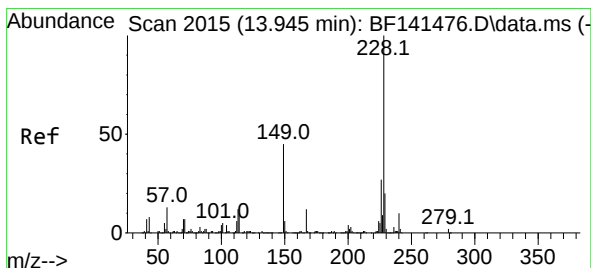
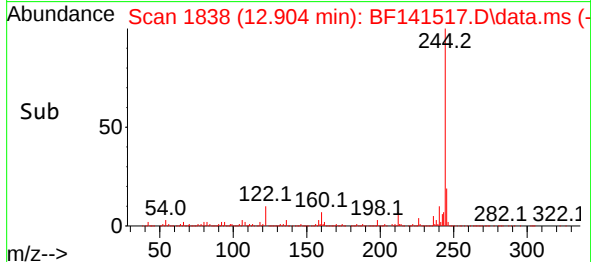
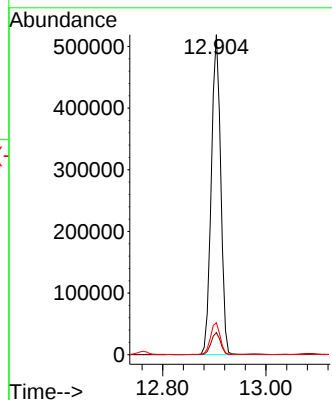
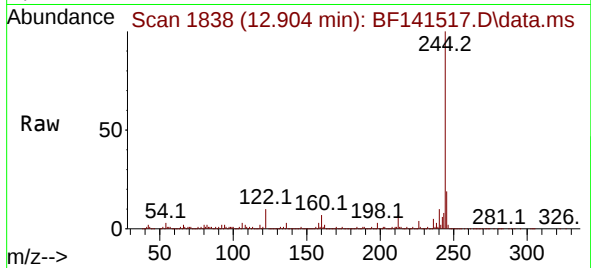




#79
 Terphenyl-d14
 Concen: 73.490 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: BF141517.D
 Acq: 07 Feb 2025 19:28

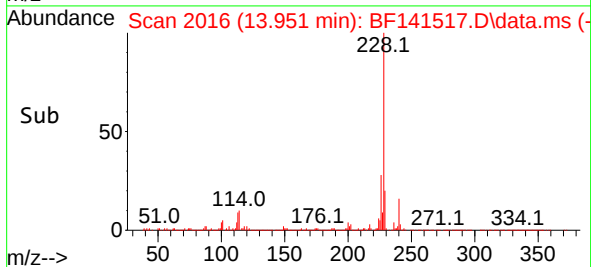
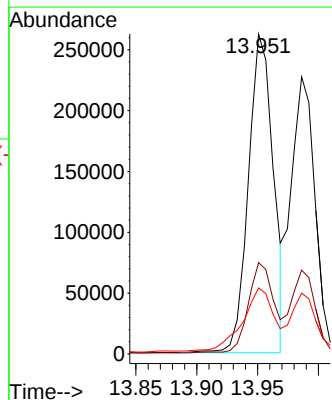
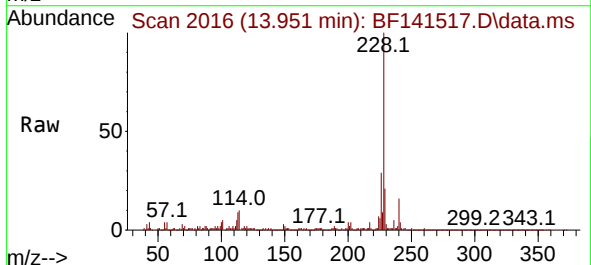
Instrument :
 BNA_F
 ClientSampleId :
 JPP-18.1-012825

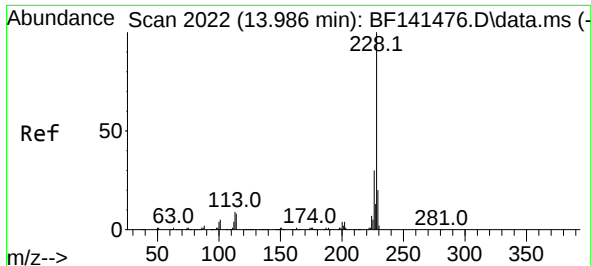
Tgt Ion:244 Resp: 656010
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.0 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 37.287 ng
 RT: 13.951 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: BF141517.D
 Acq: 07 Feb 2025 19:28

Tgt Ion:228 Resp: 373513
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.8 32.8
 229 20.7 15.8 23.6

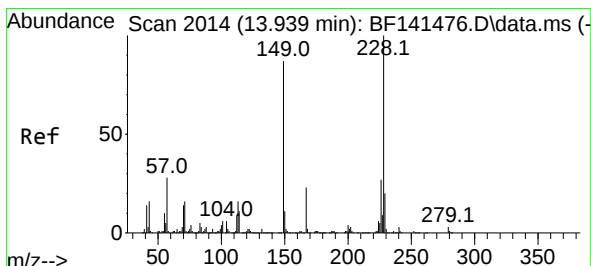
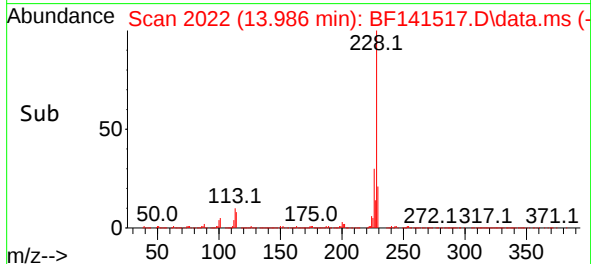
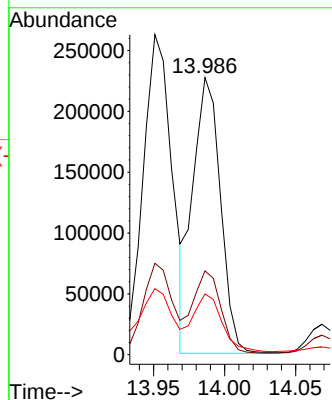
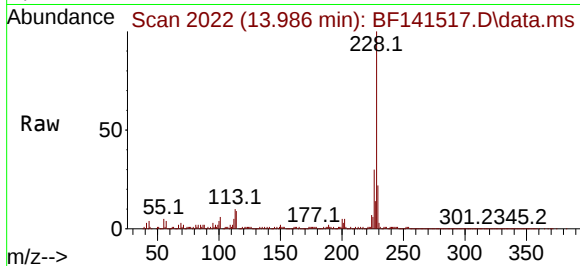




#83
Chrysene
Concen: 33.250 ng
RT: 13.986 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

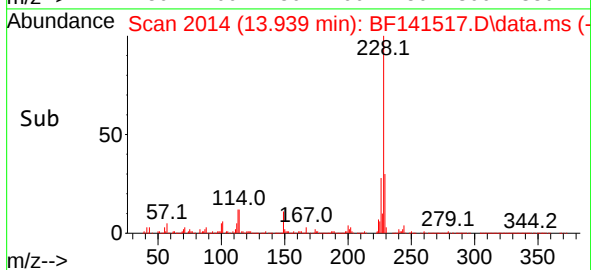
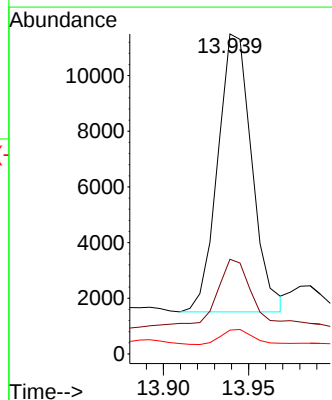
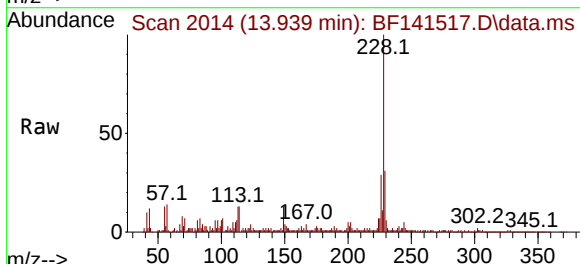
Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

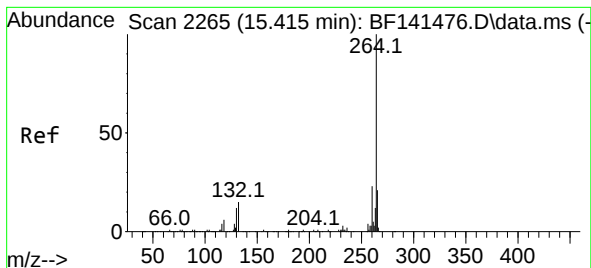
Tgt Ion:228 Resp: 307547
Ion Ratio Lower Upper
228 100
226 30.3 24.0 36.0
229 22.0 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.774 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:149 Resp: 13903
Ion Ratio Lower Upper
149 100
167 29.6 21.4 32.0
279 7.5 3.1 4.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

Instrument :

BNA_F

ClientSampleId :

JPP-18.1-012825

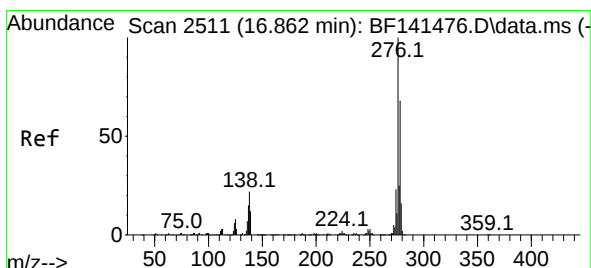
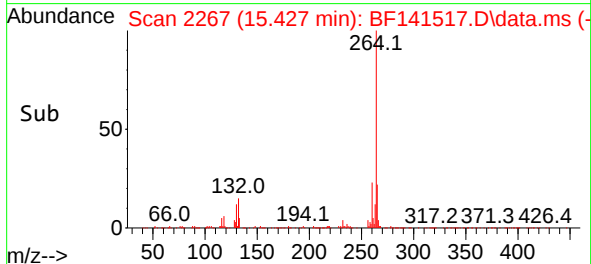
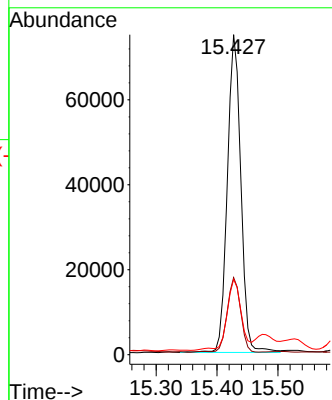
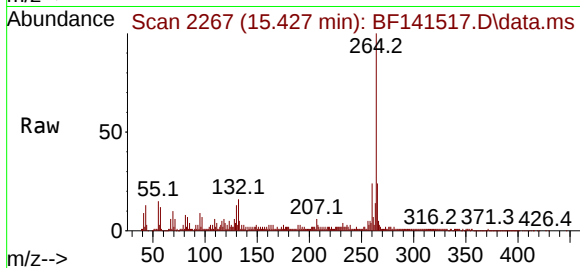
Tgt Ion:264 Resp: 115335

Ion Ratio Lower Upper

264 100

260 24.1 18.6 28.0

265 23.6 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.948 ng

RT: 16.868 min Scan# 2512

Delta R.T. -0.006 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

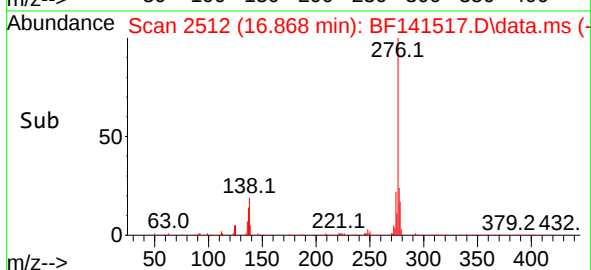
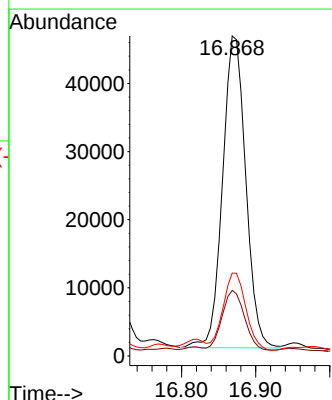
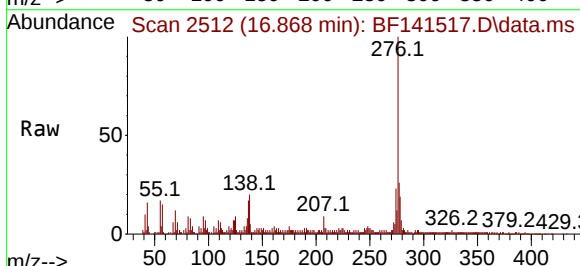
Tgt Ion:276 Resp: 99398

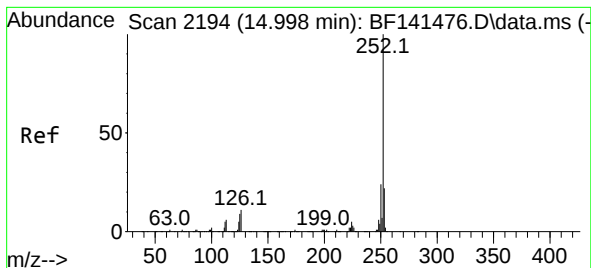
Ion Ratio Lower Upper

276 100

138 19.0 18.0 27.0

277 24.6 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 46.315 ng

RT: 15.010 min Scan# 2196

Delta R.T. 0.006 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

Instrument :

BNA_F

ClientSampleId :

JPP-18.1-012825

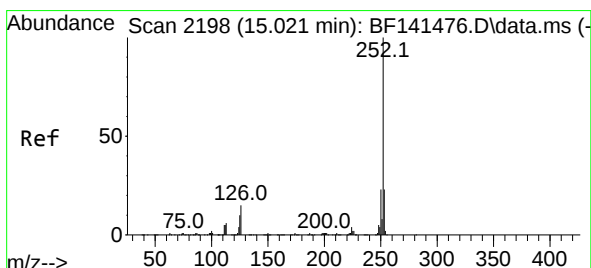
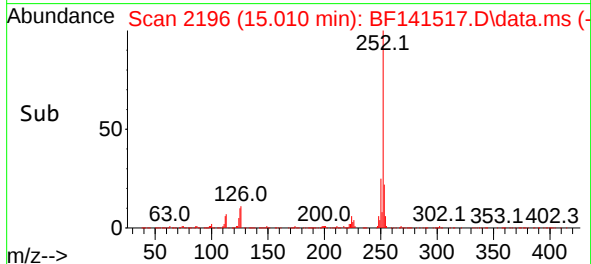
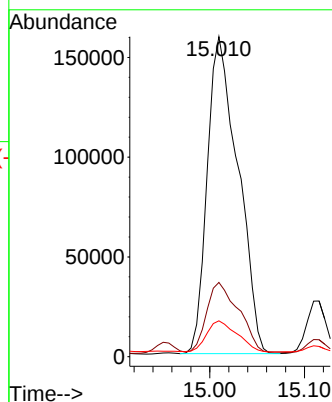
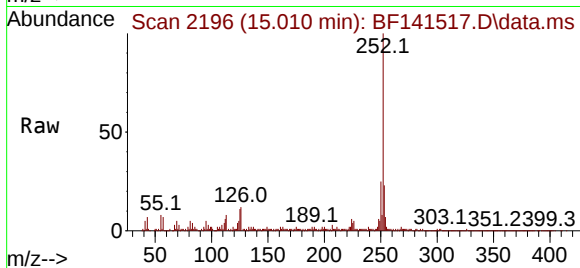
Tgt Ion:252 Resp: 358672

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 11.2 7.0 10.6#



#89

Benzo(k)fluoranthene

Concen: 54.239 ng

RT: 15.010 min Scan# 2196

Delta R.T. -0.023 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

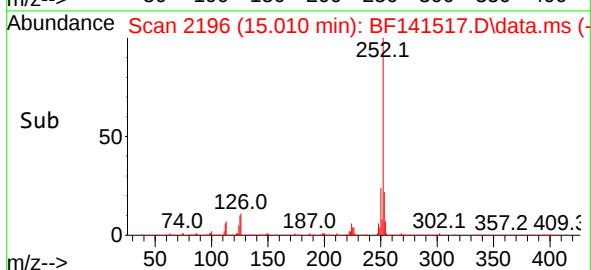
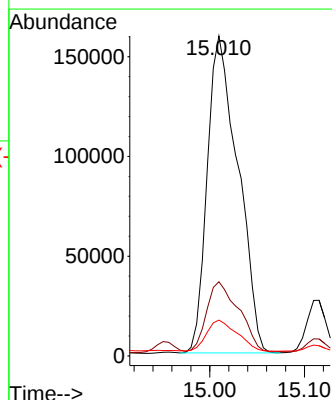
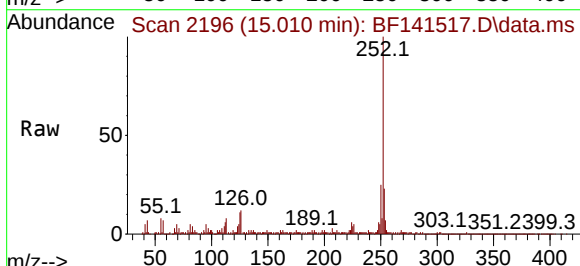
Tgt Ion:252 Resp: 358672

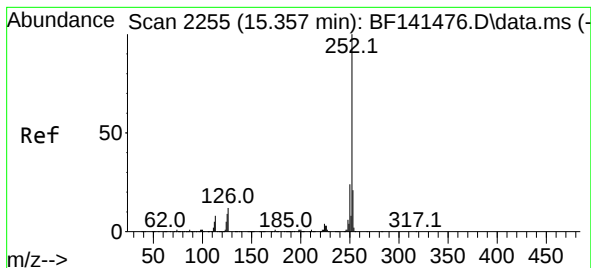
Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

125 11.2 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 32.853 ng

RT: 15.368 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

Instrument :

BNA_F

ClientSampleId :

JPP-18.1-012825

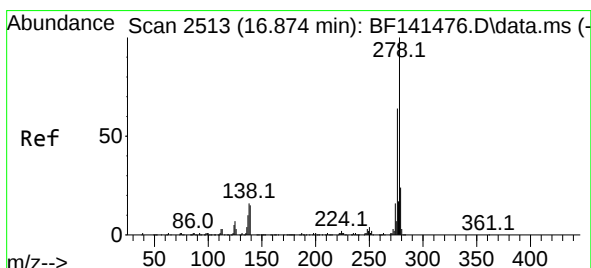
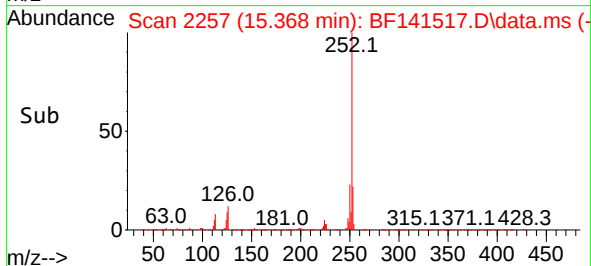
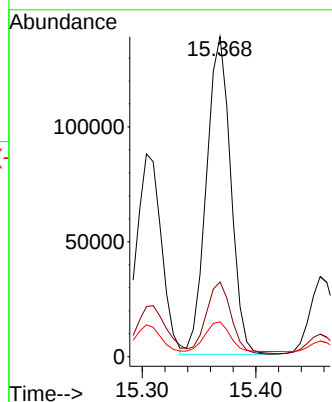
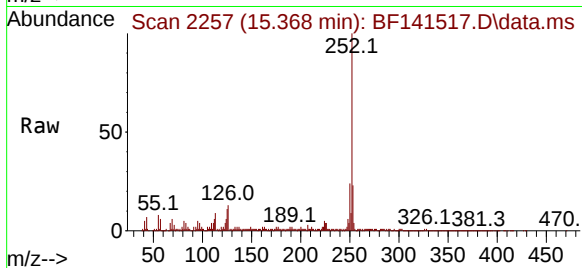
Tgt Ion:252 Resp: 205867

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

125 10.9 7.4 11.2



#91

Dibenzo(a,h)anthracene

Concen: 4.404 ng

RT: 16.880 min Scan# 2514

Delta R.T. -0.012 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

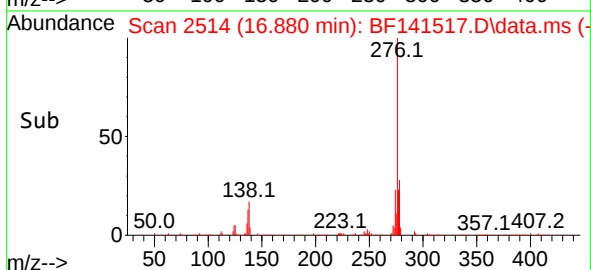
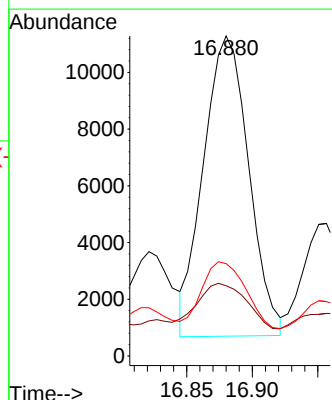
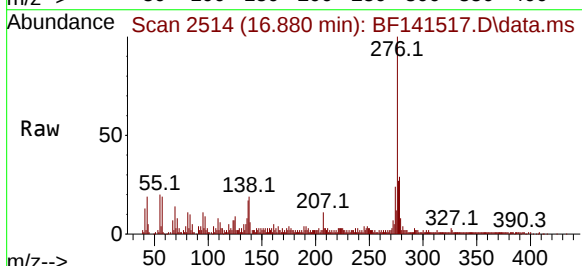
Tgt Ion:278 Resp: 25430

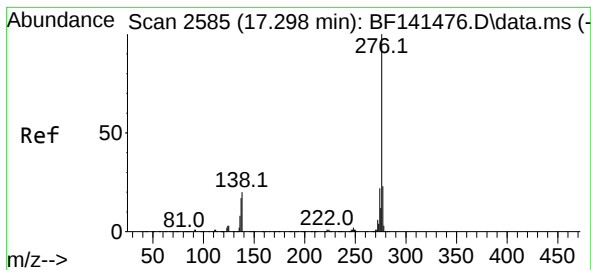
Ion Ratio Lower Upper

278 100

139 21.9 11.8 17.6#

279 28.9 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 16.288 ng

RT: 17.309 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141517.D

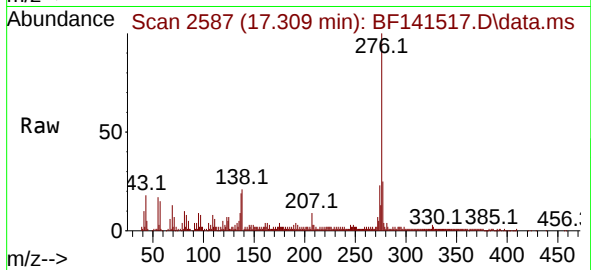
Acq: 07 Feb 2025 19:28

Instrument :

BNA_F

ClientSampleId :

JPP-18.1-012825



Tgt Ion:276 Resp: 98423

Ion Ratio Lower Upper

276 100

277 24.9 18.6 28.0

138 20.5 15.9 23.9

