

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141520.D
 Acq On : 07 Feb 2025 20:47
 Operator : RC/JU
 Sample : Q1216-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-26.1-012825

Quant Time: Feb 07 22:27:26 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)

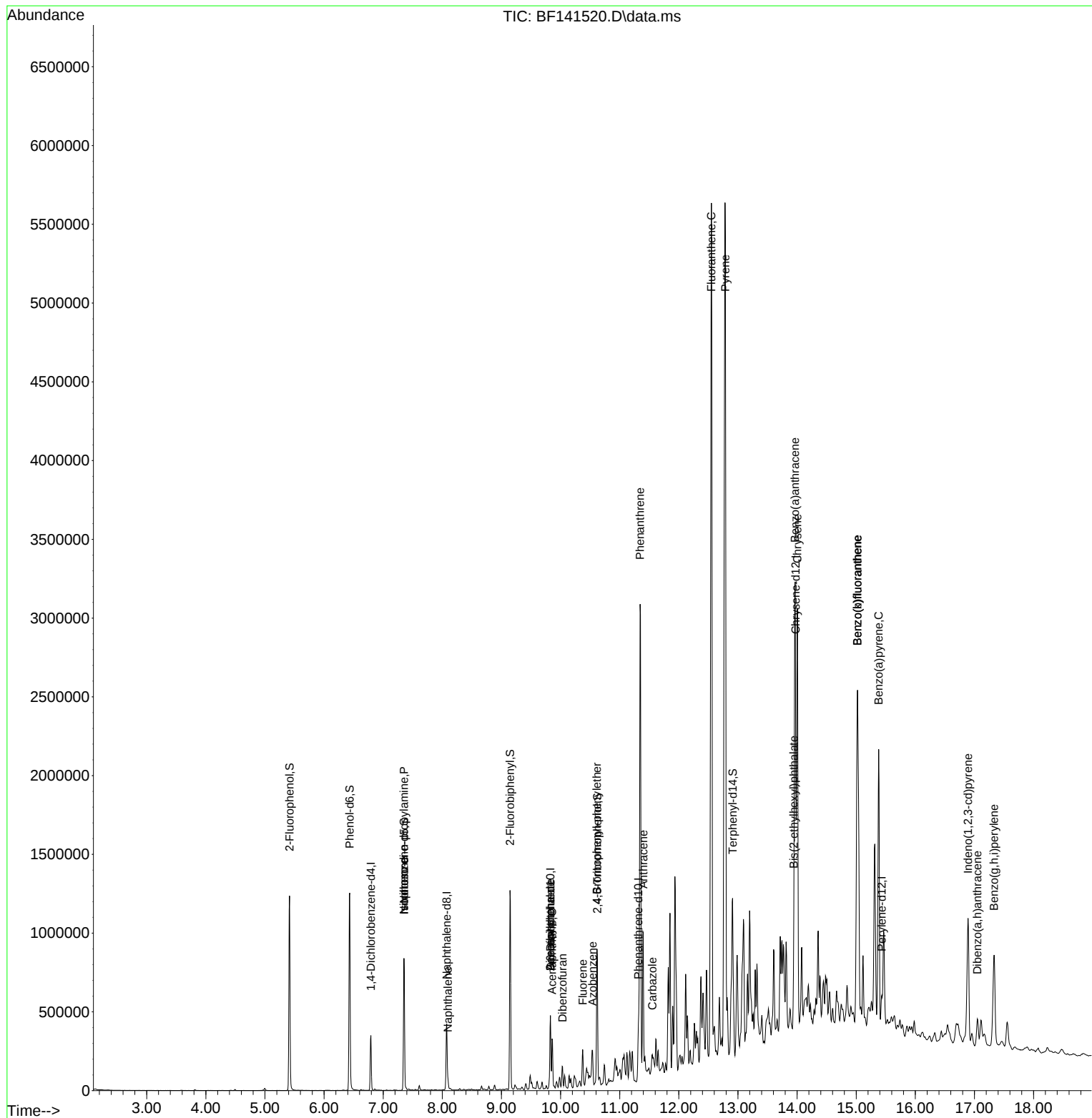
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	71035	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	270006	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	131111	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	197575	20.000	ng	0.00
76) Chrysene-d12	13.974	240	117908	20.000	ng	0.01
86) Perylene-d12	15.433	264	102212	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	449871	99.287	ng	0.00
7) Phenol-d6	6.434	99	557176	97.292	ng	0.00
23) Nitrobenzene-d5	7.351	82	357601	69.079	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	113961	86.526	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	553776	65.072	ng	0.00
79) Terphenyl-d14	12.910	244	451046	64.579	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	48817	14.251	ng	# 77
25) Isophorone	7.351	82	342673	41.516	ng	# 66
31) Naphthalene	8.092	128	34335	2.443	ng	99
50) Dimethylphthalate	9.828	163	20221	2.272	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	19019	9.775	ng	# 24
52) Acenaphthene	9.857	154	97856	13.019	ng	99
55) Dibenzofuran	10.033	168	42590	3.860	ng	# 92
58) Fluorene	10.375	166	75430	8.843	ng	# 96
63) Azobenzene	10.539	77	27316	3.138	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	7822	3.542	ng	# 1
71) Phenanthrene	11.345	178	1772105	162.943	ng	99
72) Anthracene	11.398	178	533944	48.839	ng	100
73) Carbazole	11.551	167	48979	4.979	ng	92
75) Fluoranthene	12.551	202	3866353	335.322	ng	97
78) Pyrene	12.786	202	3872235	385.790	ng	97
81) Benzo(a)anthracene	13.963	228	1894079	241.661	ng	96
83) Chrysene	14.004	228	1323936	182.941	ng	96
84) Bis(2-ethylhexyl)phtha...	13.945	149	14209	3.624	ng	# 89
87) Indeno(1,2,3-cd)pyrene	16.892	276	623795	98.771	ng	97
88) Benzo(b)fluoranthene	15.021	252	2059498	300.085	ng	# 97
89) Benzo(k)fluoranthene	15.021	252	2059498	351.425	ng	98
90) Benzo(a)pyrene	15.380	252	1146009	206.364	ng	96
91) Dibenzo(a,h)anthracene	17.051	278	124583	24.345	ng	94
92) Benzo(g,h,i)perylene	17.333	276	595057	111.118	ng	98

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

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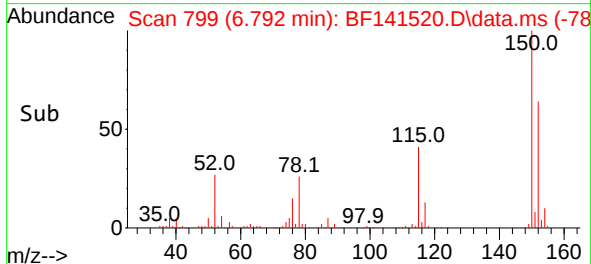
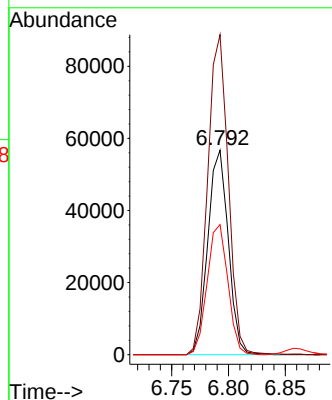
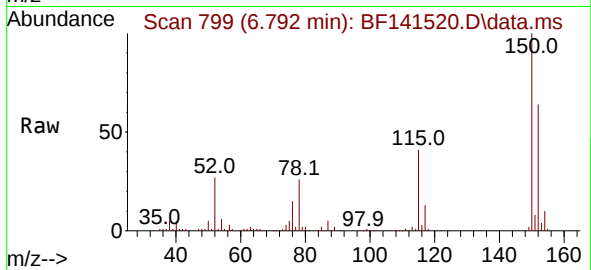




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

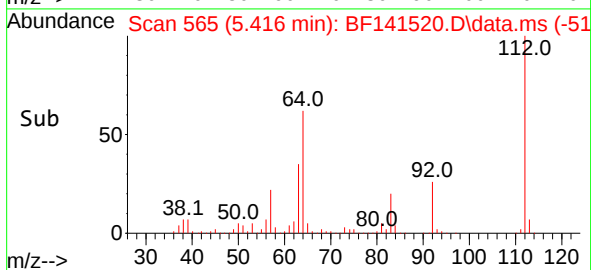
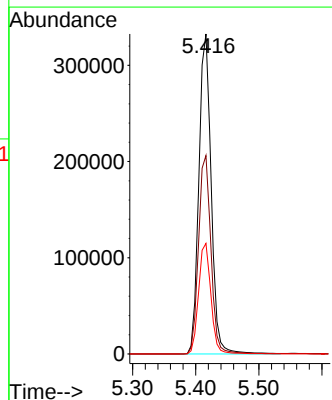
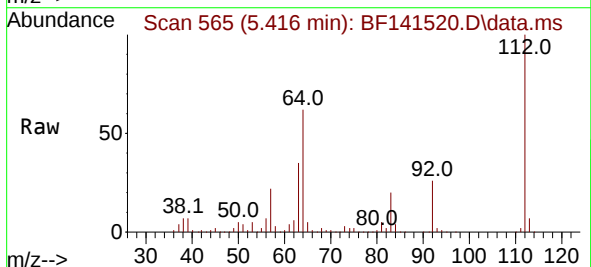
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Tgt Ion:152 Resp: 71035
Ion Ratio Lower Upper
152 100
150 156.5 125.0 187.4
115 63.6 53.6 80.4



#5
2-Fluorophenol
Concen: 99.287 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:112 Resp: 449871
Ion Ratio Lower Upper
112 100
64 62.0 51.1 76.7
63 34.5 28.4 42.6

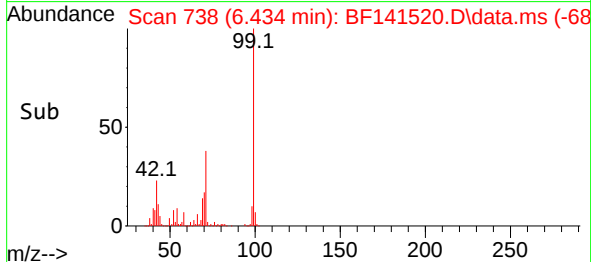
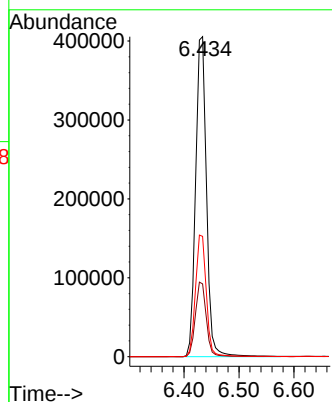
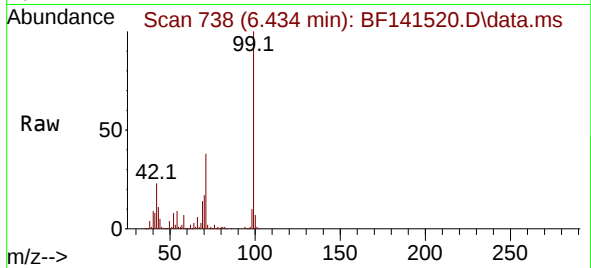




#7
Phenol-d6
Concen: 97.292 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

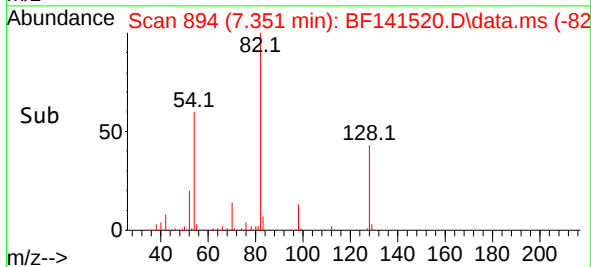
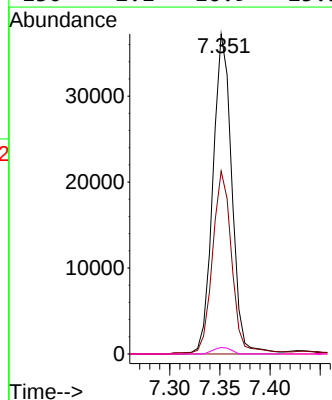
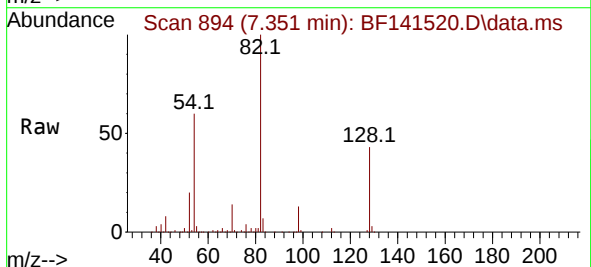
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Tgt Ion: 99 Resp: 557176
Ion Ratio Lower Upper
99 100
42 22.8 19.1 28.7
71 37.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.251 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion: 70 Resp: 48817
Ion Ratio Lower Upper
70 100
42 57.2 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

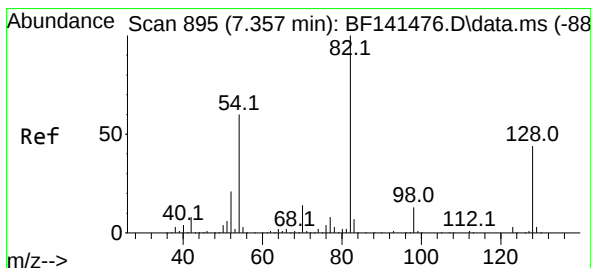
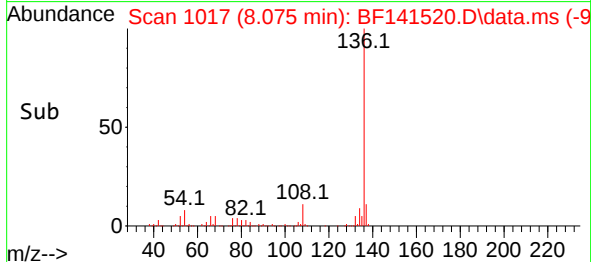
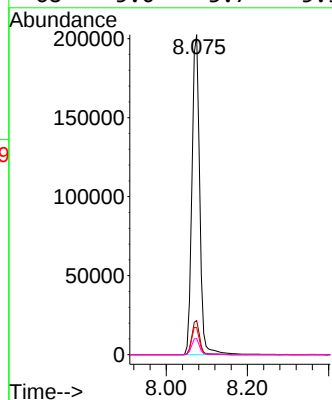
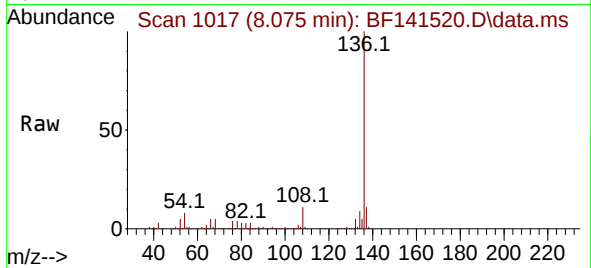




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

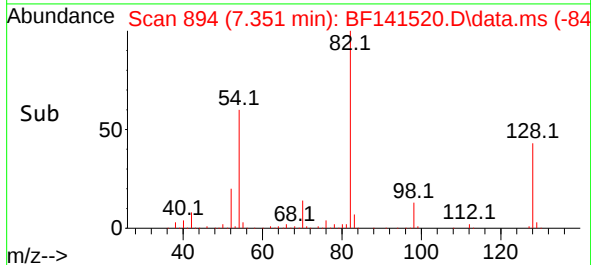
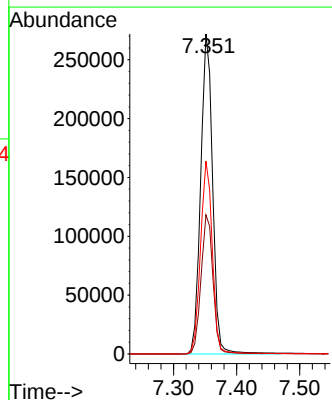
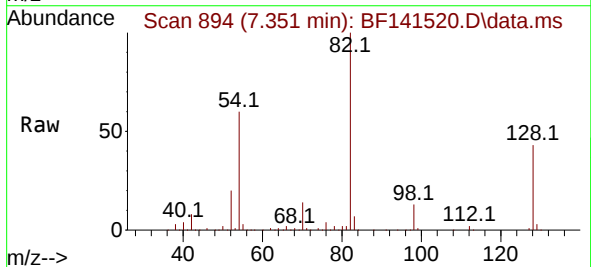
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Tgt Ion:136 Resp: 270006
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.4 7.2 10.8
68 5.0 3.7 5.5



#23
Nitrobenzene-d5
Concen: 69.079 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion: 82 Resp: 357601
Ion Ratio Lower Upper
82 100
128 43.4 34.8 52.2
54 60.3 48.2 72.4

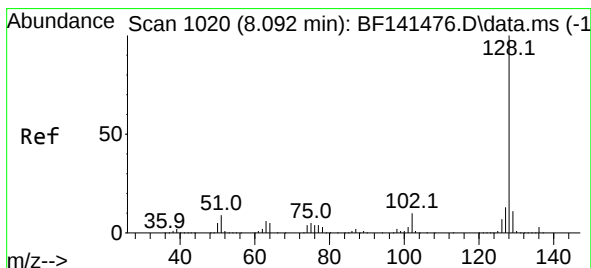
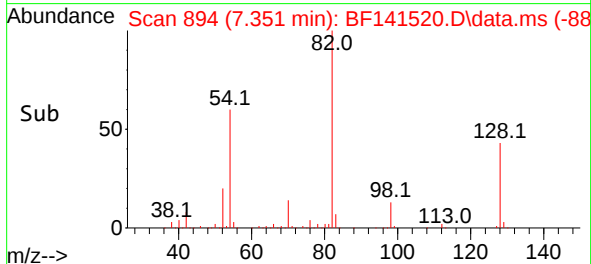
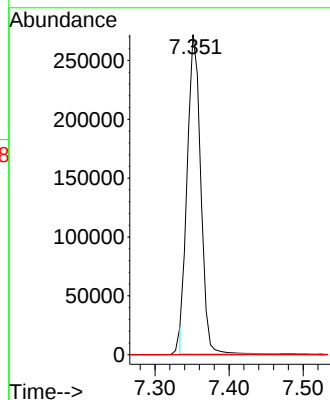
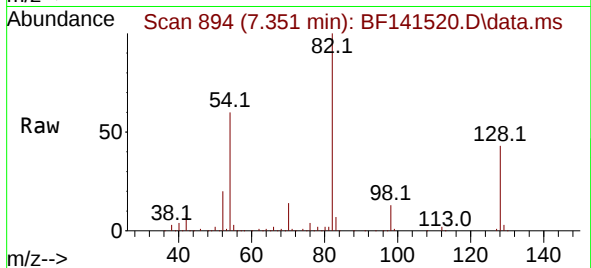




#25
Isophorone
Concen: 41.516 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

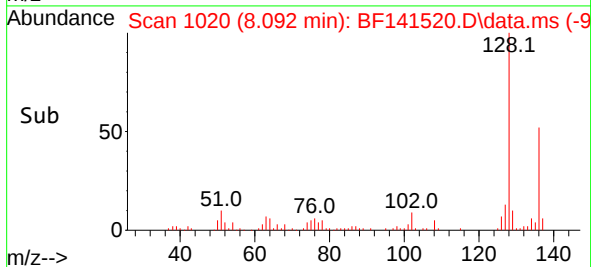
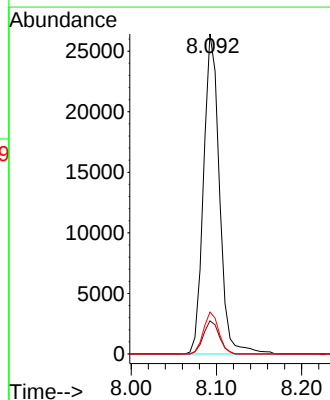
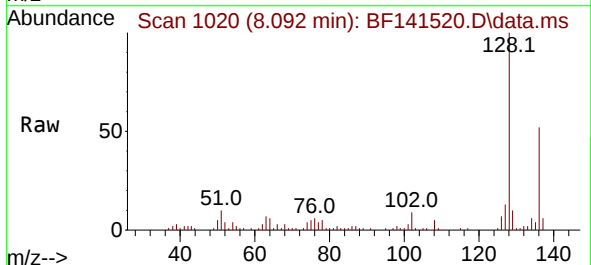
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BNA_F
ClientSampleId :
JPP-26.1-012825

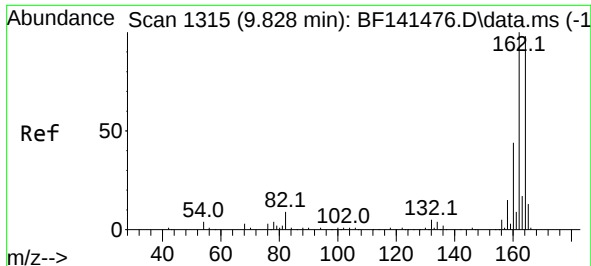
Tgt Ion: 82 Resp: 342673
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 2.443 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion: 128 Resp: 34335
Ion Ratio Lower Upper
128 100
129 10.3 8.9 13.3
127 13.1 10.7 16.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

Instrument :

BNA_F

ClientSampleId :

JPP-26.1-012825

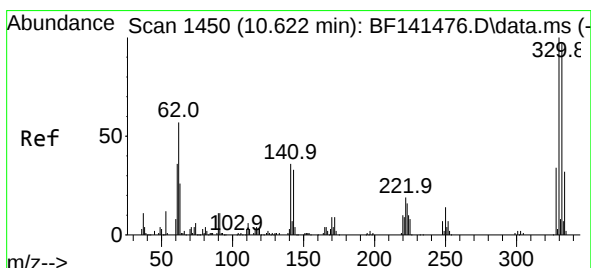
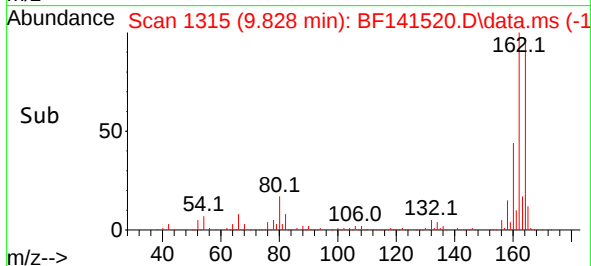
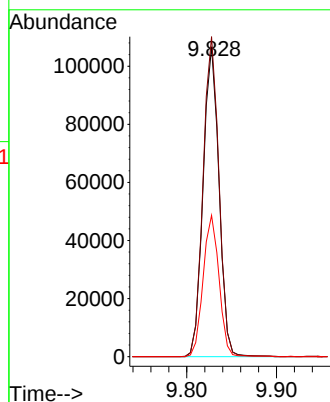
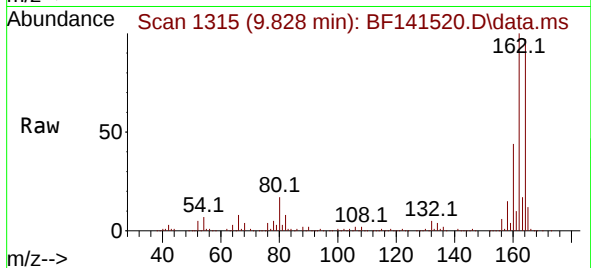
Tgt Ion:164 Resp: 131111

Ion Ratio Lower Upper

164 100

162 103.2 81.3 121.9

160 45.6 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 86.526 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

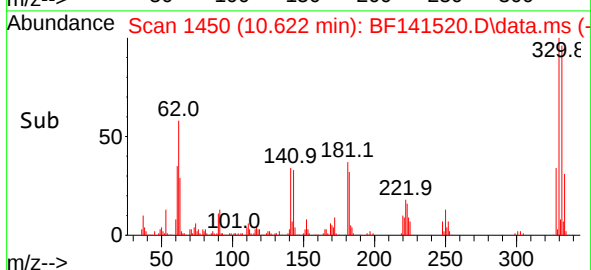
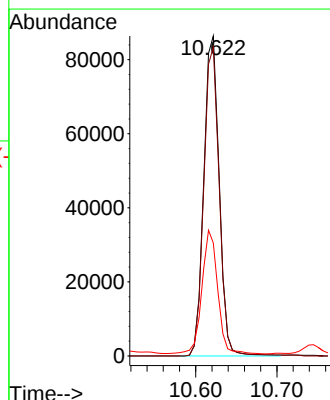
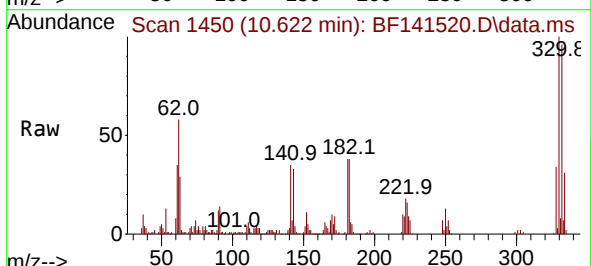
Tgt Ion:330 Resp: 113961

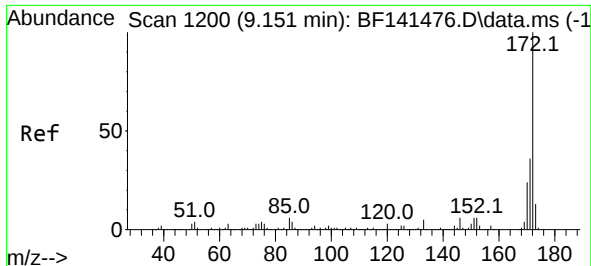
Ion Ratio Lower Upper

330 100

332 96.8 78.5 117.7

141 39.7 31.0 46.4

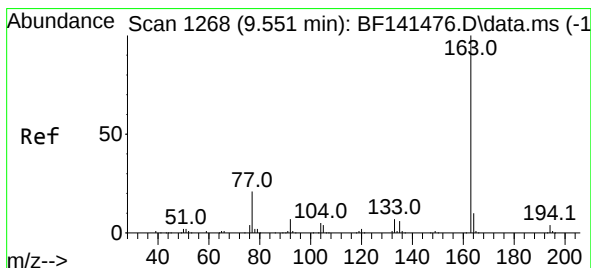
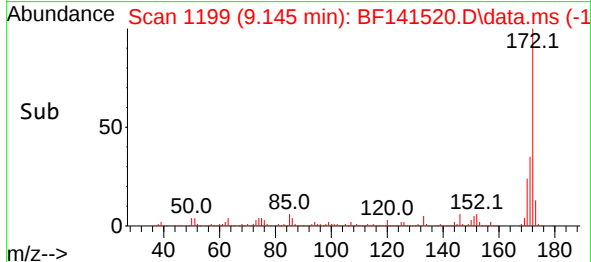
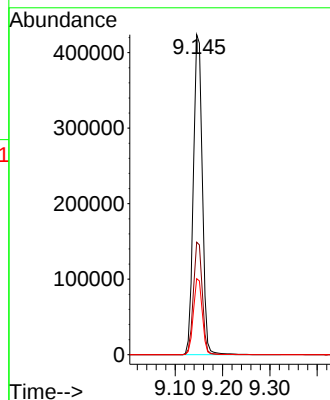
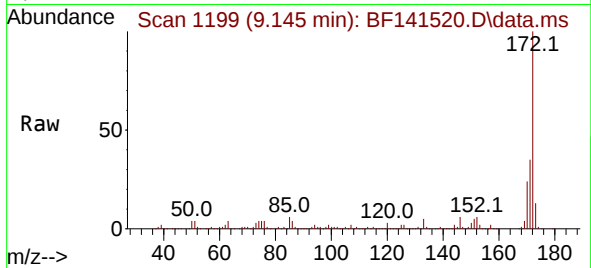




#45
2-Fluorobiphenyl
Concen: 65.072 ng
RT: 9.145 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

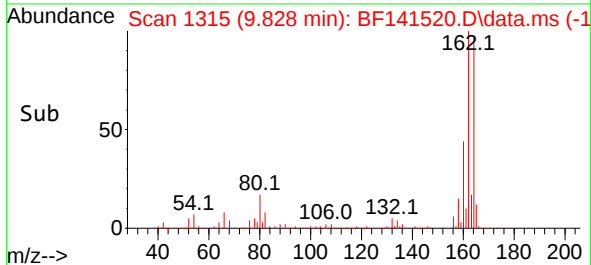
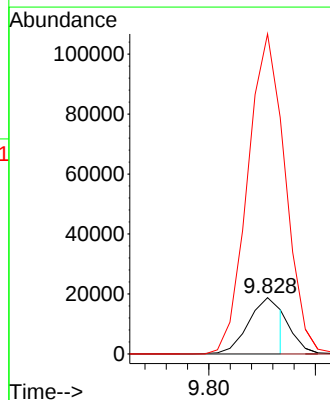
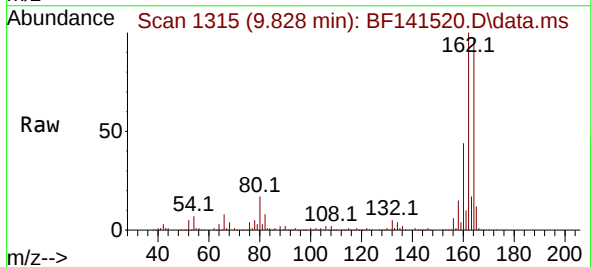
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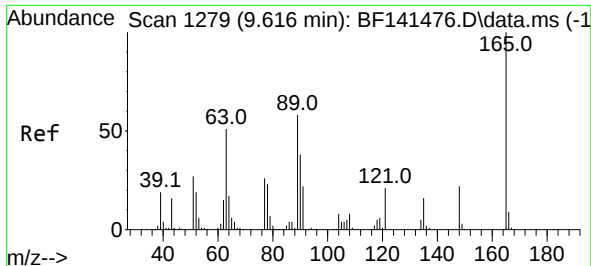
Tgt Ion:172 Resp: 553776
Ion Ratio Lower Upper
172 100
171 35.2 28.7 43.1
170 23.8 18.9 28.3



#50
Dimethylphthalate
Concen: 2.272 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:163 Resp: 20221
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 568.1 7.9 11.9#

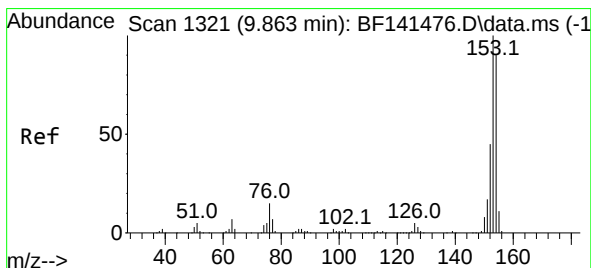
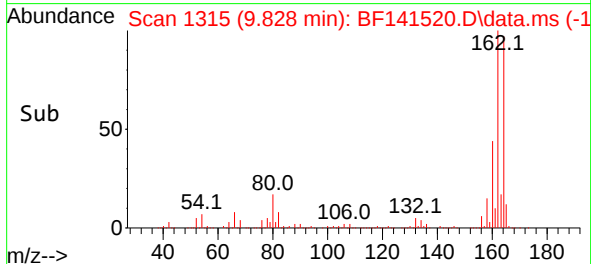
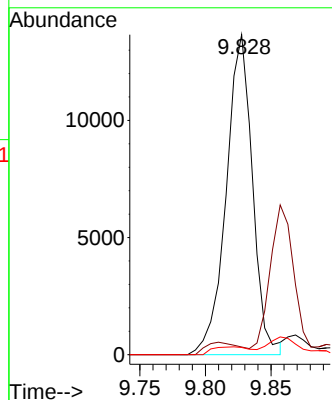
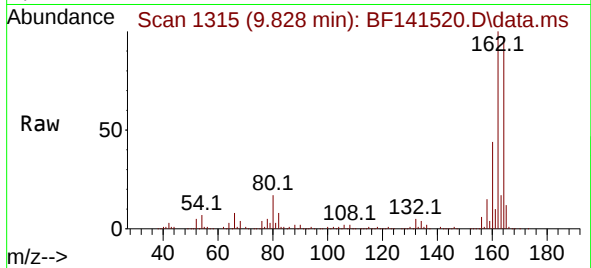




#51
2,6-Dinitrotoluene
Concen: 9.775 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

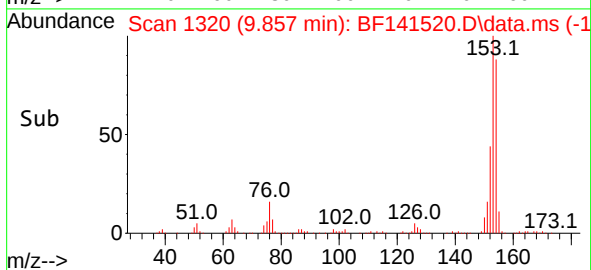
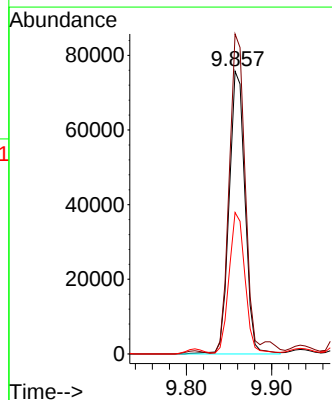
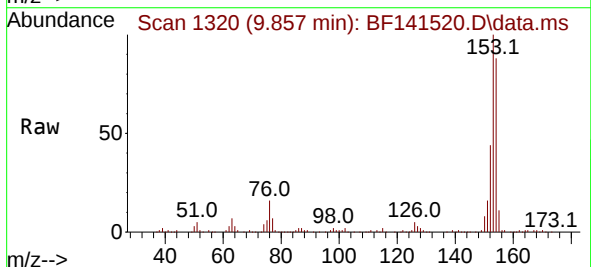
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

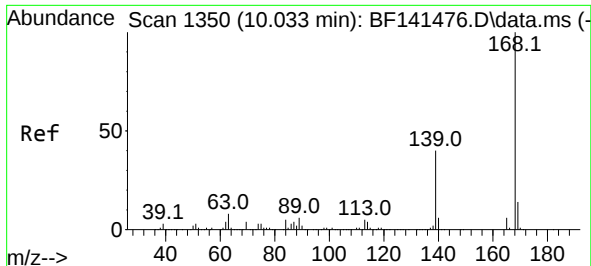
Tgt Ion:165 Resp: 19019
Ion Ratio Lower Upper
165 100
63 2.4 49.4 74.0#
89 2.2 46.5 69.7#



#52
Acenaphthene
Concen: 13.019 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:154 Resp: 97856
Ion Ratio Lower Upper
154 100
153 113.2 89.2 133.8
152 50.0 39.8 59.8

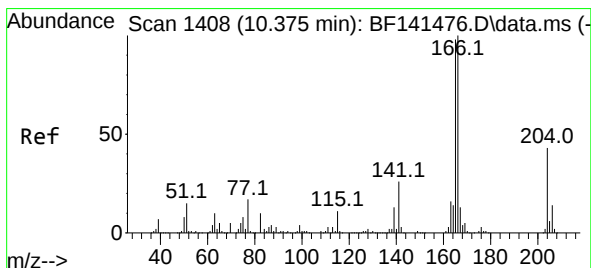
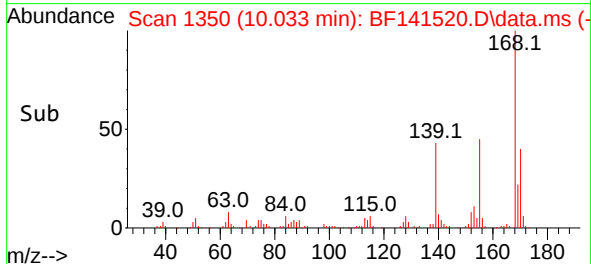
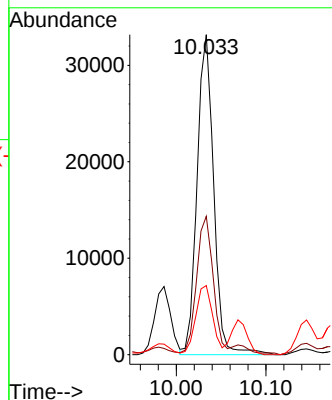
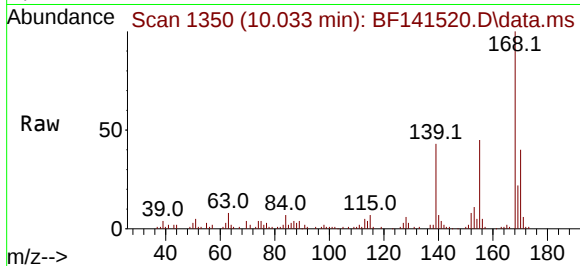




#55
Dibenzenofuran
Concen: 3.860 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

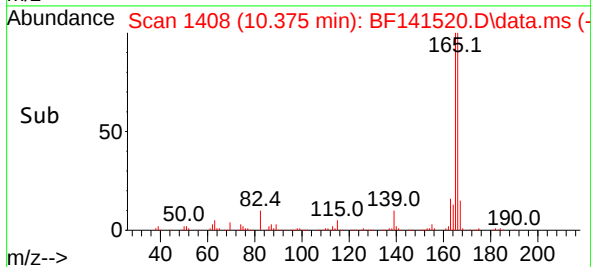
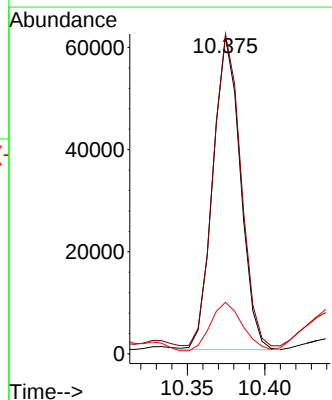
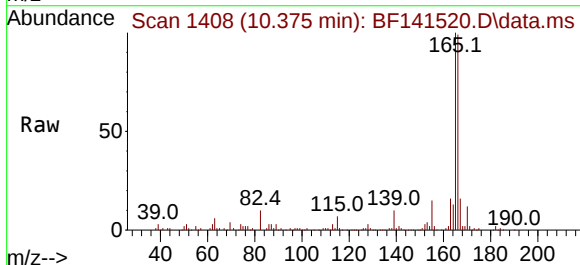
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

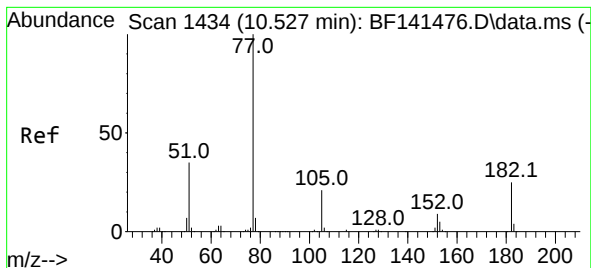
Tgt Ion:168 Resp: 42590
Ion Ratio Lower Upper
168 100
139 43.3 32.7 49.1
169 21.6 10.8 16.2#



#58
Fluorene
Concen: 8.843 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:166 Resp: 75430
Ion Ratio Lower Upper
166 100
165 100.9 78.2 117.2
167 16.3 10.7 16.1#





#63

Azobenzene

Concen: 3.138 ng

RT: 10.539 min Scan# 1436

Delta R.T. 0.006 min

Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

Instrument :

BNA_F

ClientSampleId :

JPP-26.1-012825

Tgt Ion: 77 Resp: 27316

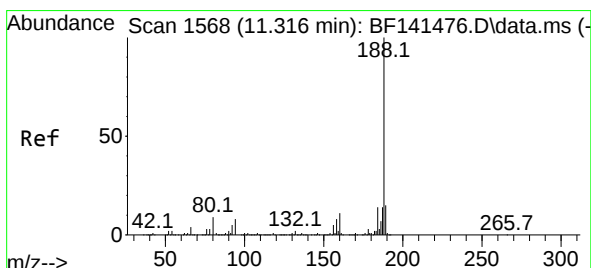
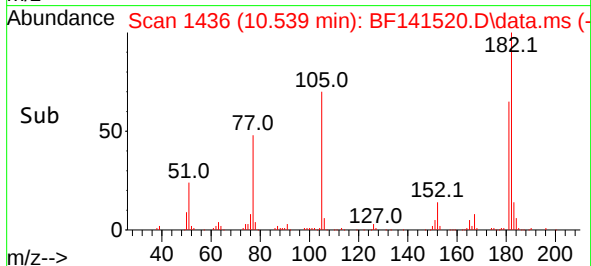
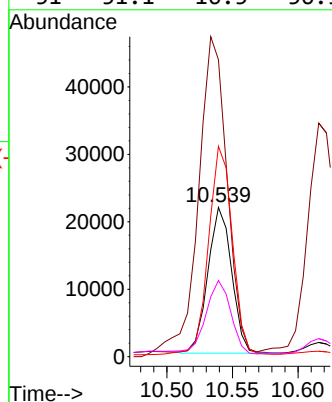
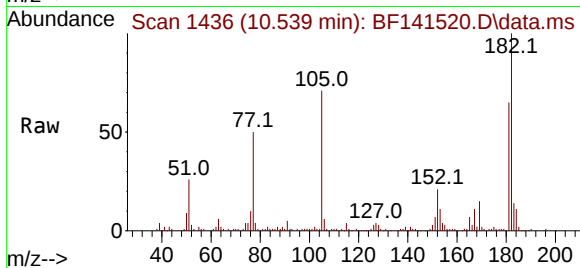
Ion Ratio Lower Upper

77 100

182 198.8 4.7 44.7#

105 140.9 0.4 40.4#

51 51.1 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1568

Delta R.T. 0.000 min

Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

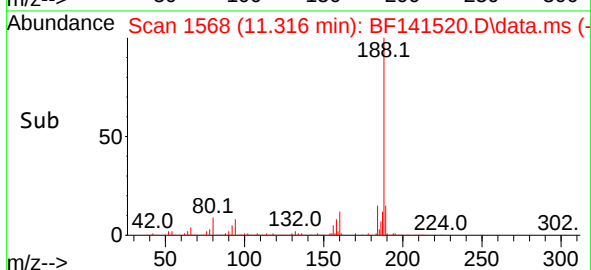
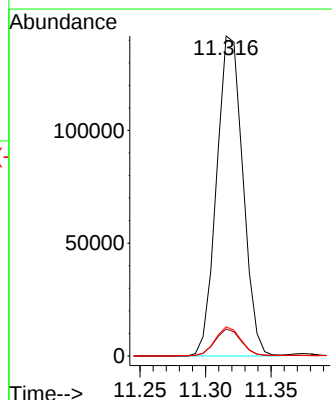
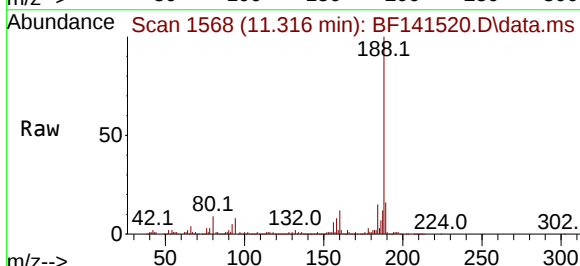
Tgt Ion:188 Resp: 197575

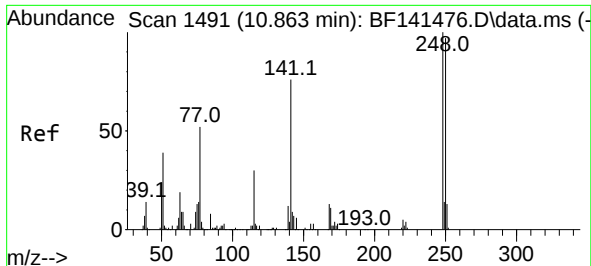
Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.1 7.3 10.9

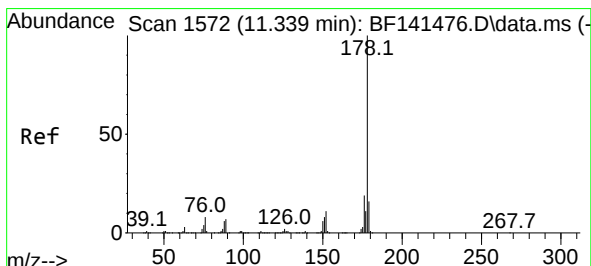
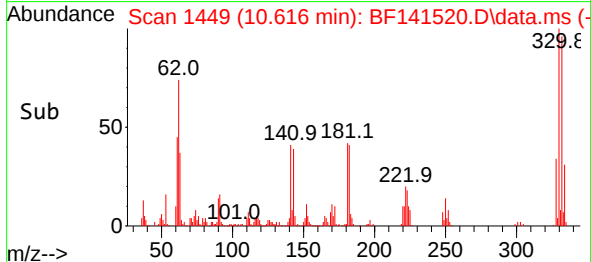
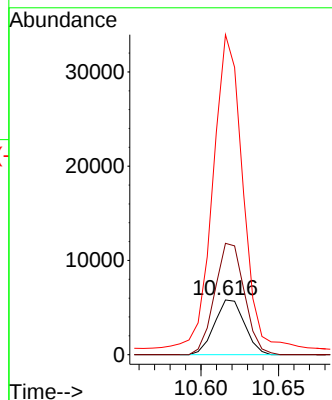
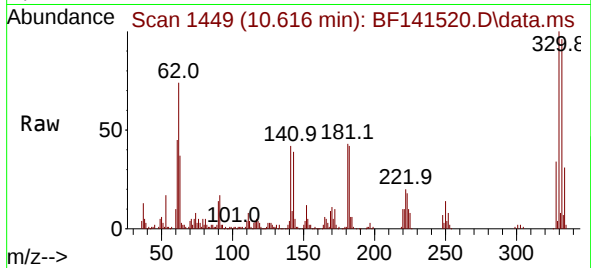




#67
4-Bromophenyl-phenylether
Concen: 3.542 ng
RT: 10.616 min Scan# 1491
Delta R.T. -0.247 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

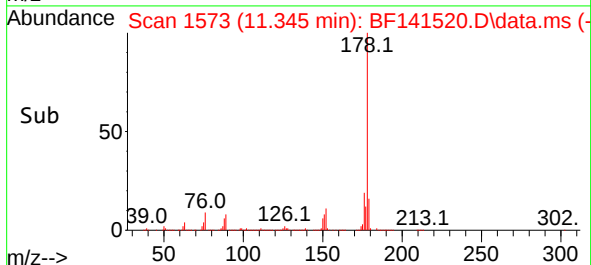
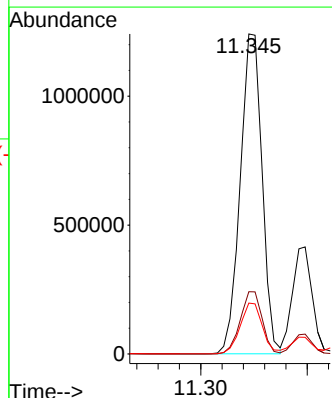
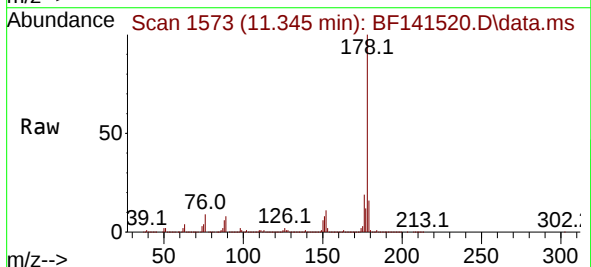
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

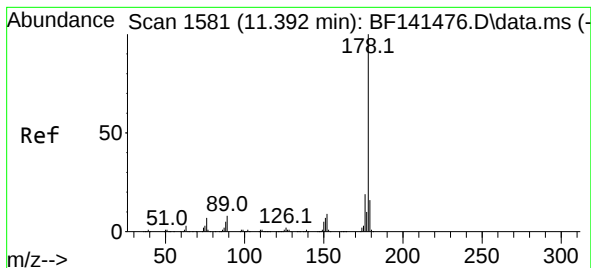
Tgt Ion:248 Resp: 7822
Ion Ratio Lower Upper
248 100
250 203.3 77.8 116.6#
141 584.4 60.6 90.8#



#71
Phenanthrene
Concen: 162.943 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:178 Resp: 1772105
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.9 12.4 18.6





#72

Anthracene

Concen: 48.839 ng

RT: 11.398 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

Instrument :

BNA_F

ClientSampleId :

JPP-26.1-012825

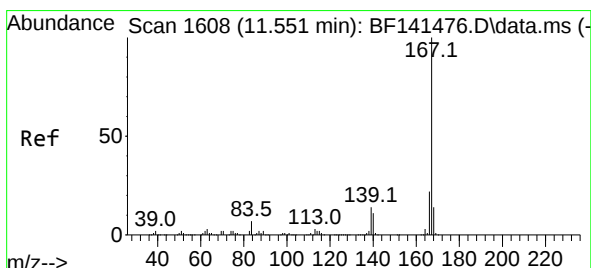
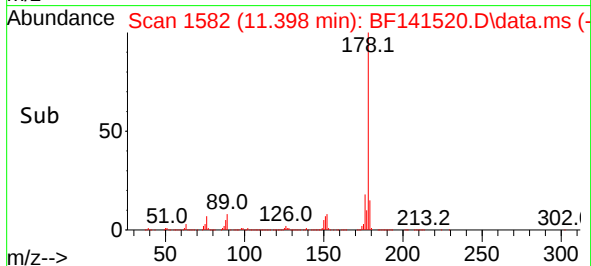
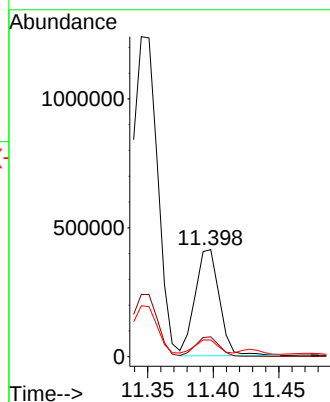
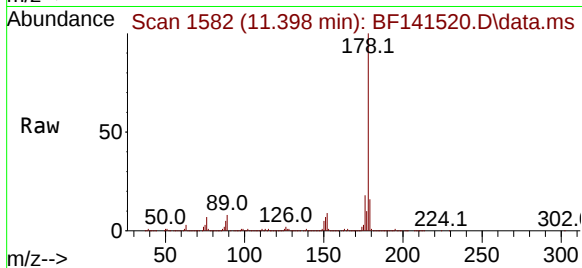
Tgt Ion:178 Resp: 533944

Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

179 15.5 12.4 18.6



#73

Carbazole

Concen: 4.979 ng

RT: 11.551 min Scan# 1608

Delta R.T. 0.000 min

Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

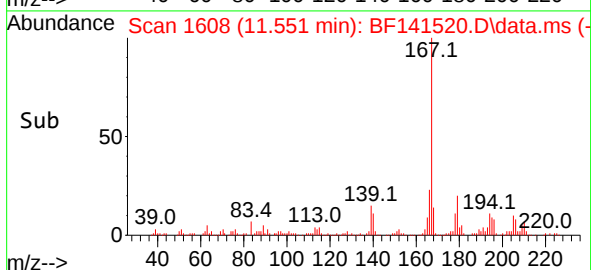
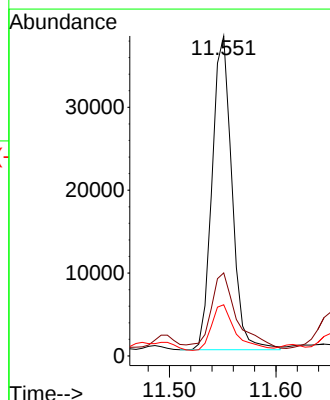
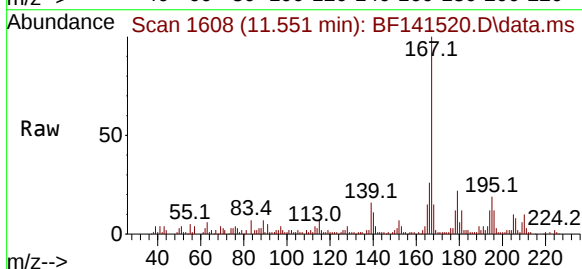
Tgt Ion:167 Resp: 48979

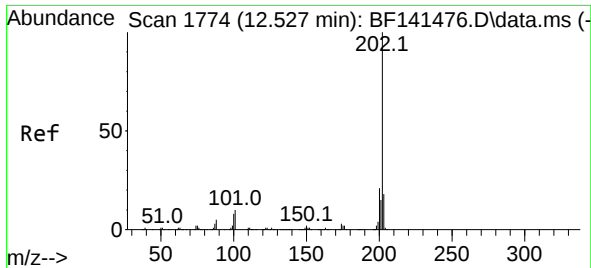
Ion Ratio Lower Upper

167 100

166 26.0 17.4 26.2

139 16.0 10.9 16.3

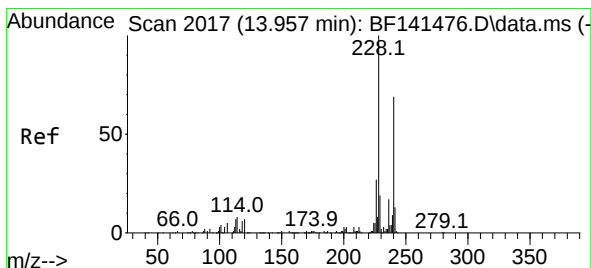
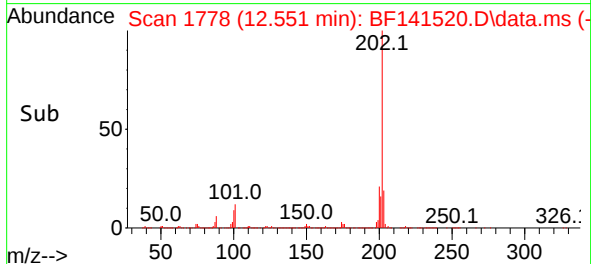
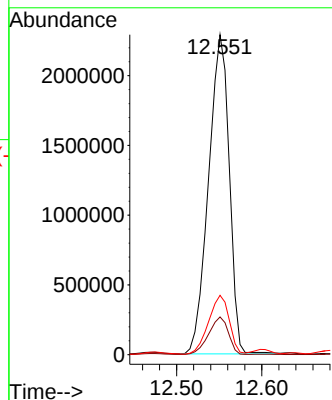
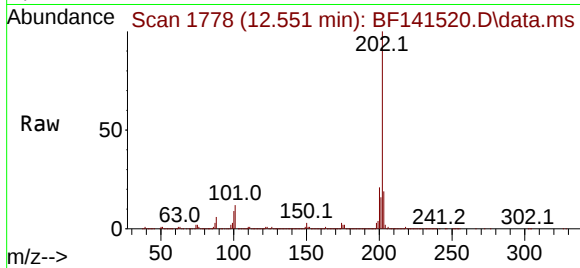




#75
Fluoranthene
Concen: 335.322 ng
RT: 12.551 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

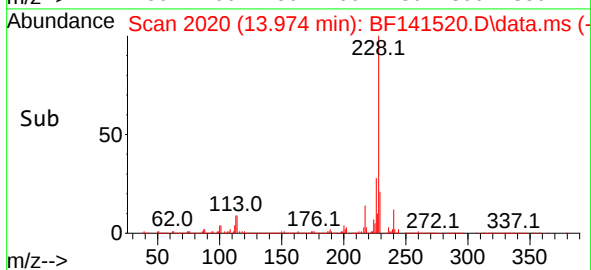
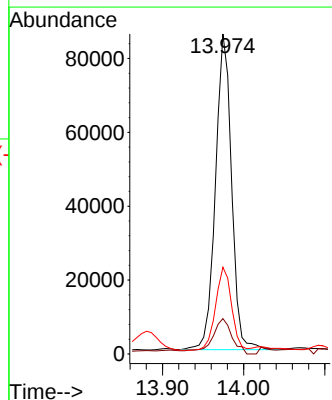
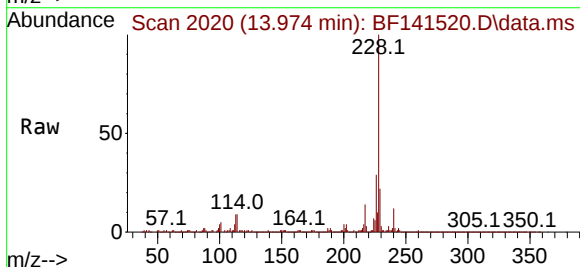
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

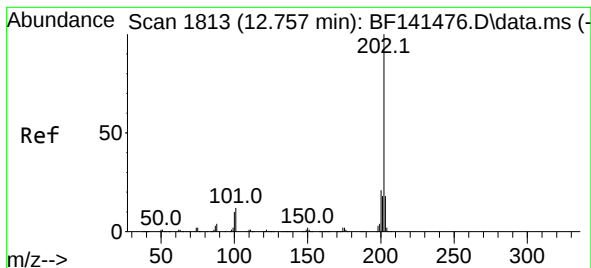
Tgt Ion:202 Resp: 3866353
Ion Ratio Lower Upper
202 100
101 11.8 0.0 30.2
203 18.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:240 Resp: 117908
Ion Ratio Lower Upper
240 100
120 11.1 8.0 12.0
236 27.1 19.8 29.8





#78

Pyrene

Concen: 385.790 ng

RT: 12.786 min Scan# 1818

Delta R.T. 0.024 min

Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

Instrument :

BNA_F

ClientSampleId :

JPP-26.1-012825

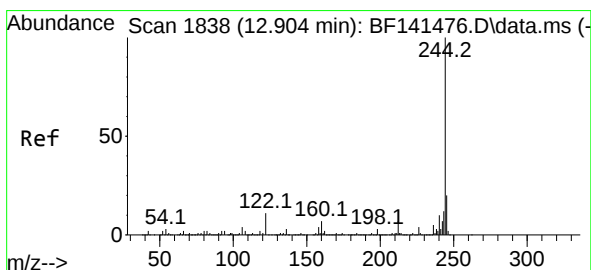
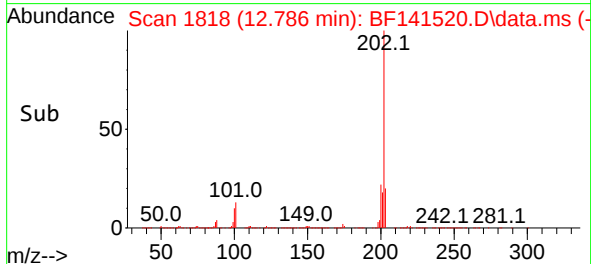
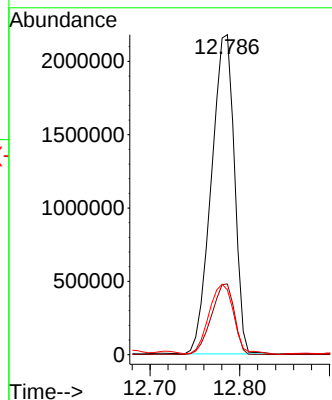
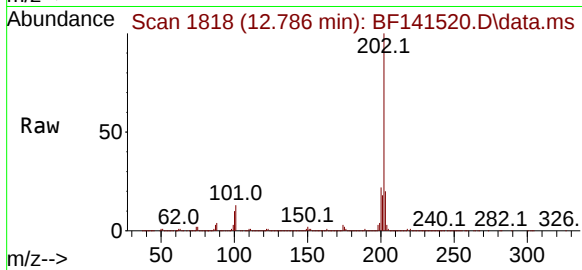
Tgt Ion:202 Resp: 3872235

Ion Ratio Lower Upper

202 100

200 22.1 17.0 25.4

203 20.3 14.3 21.5



#79

Terphenyl-d14

Concen: 64.579 ng

RT: 12.910 min Scan# 1839

Delta R.T. 0.006 min

Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

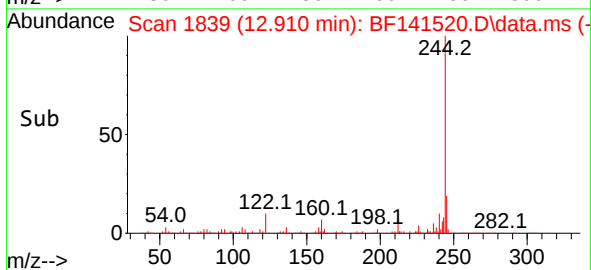
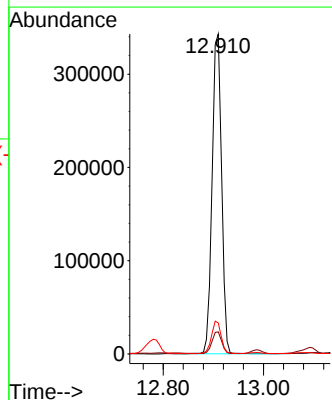
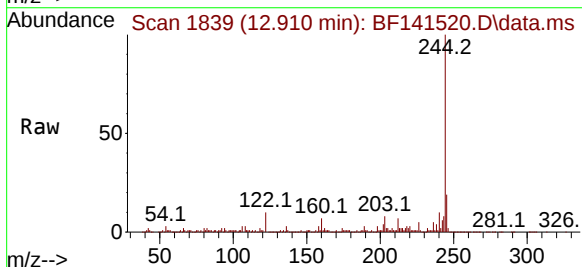
Tgt Ion:244 Resp: 451046

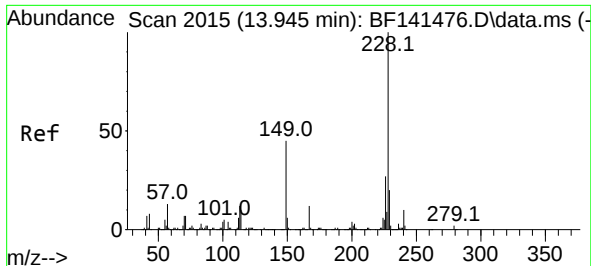
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 9.7 8.4 12.6

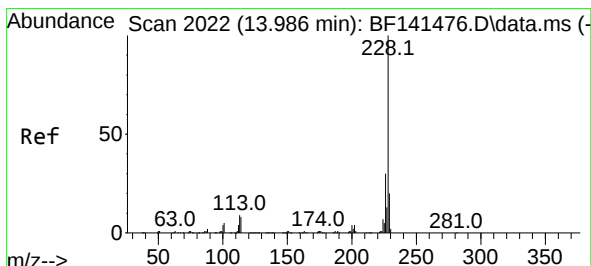
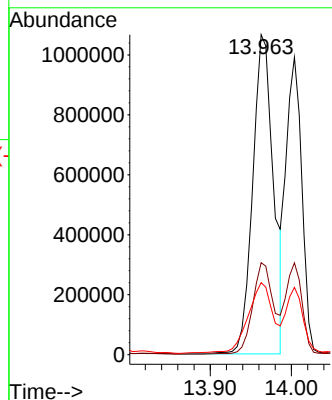
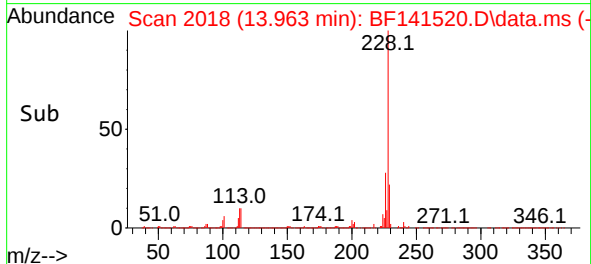
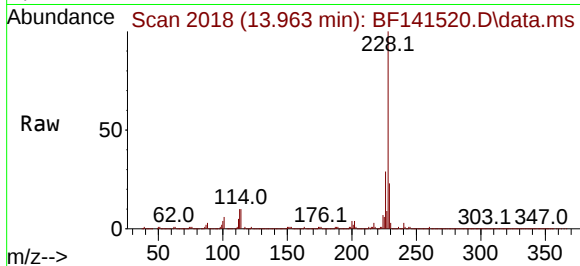




#81
Benzo(a)anthracene
Concen: 241.661 ng
RT: 13.963 min Scan# 2015
Delta R.T. 0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

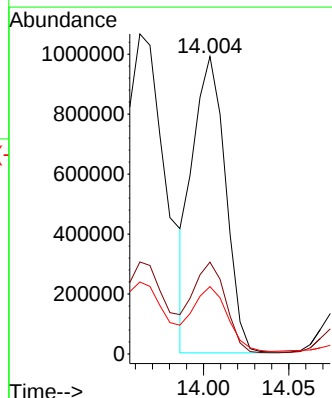
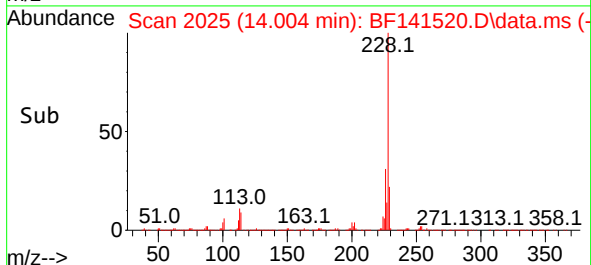
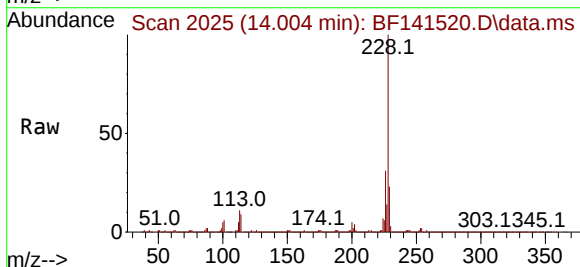
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

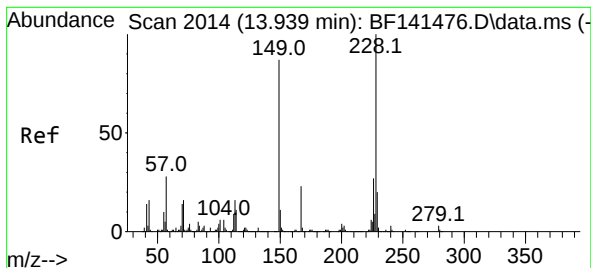
Tgt Ion:228 Resp: 1894079
Ion Ratio Lower Upper
228 100
226 28.7 21.8 32.8
229 22.5 15.8 23.6



#83
Chrysene
Concen: 182.941 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:228 Resp: 1323936
Ion Ratio Lower Upper
228 100
226 30.9 24.0 36.0
229 22.6 15.7 23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.624 ng

RT: 13.945 min Scan# 2014

Delta R.T. 0.006 min

Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

Instrument :

BNA_F

ClientSampleId :

JPP-26.1-012825

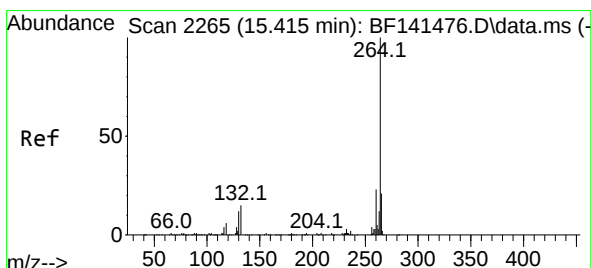
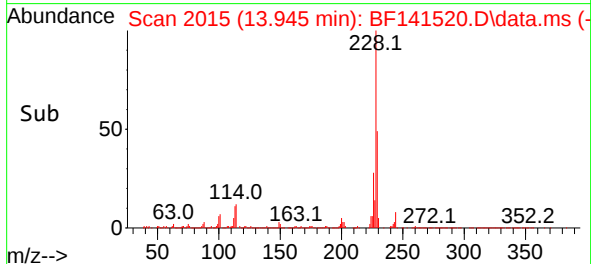
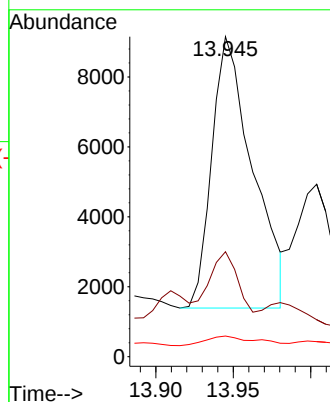
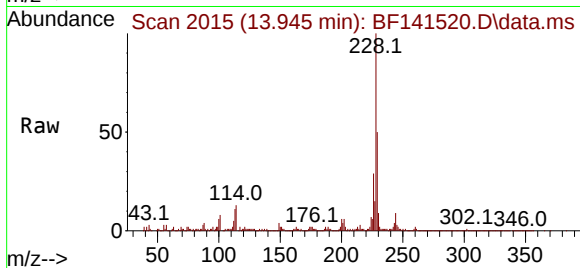
Tgt Ion:149 Resp: 14209

Ion Ratio Lower Upper

149 100

167 32.8 21.4 32.0#

279 6.4 3.1 4.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2268

Delta R.T. 0.018 min

Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

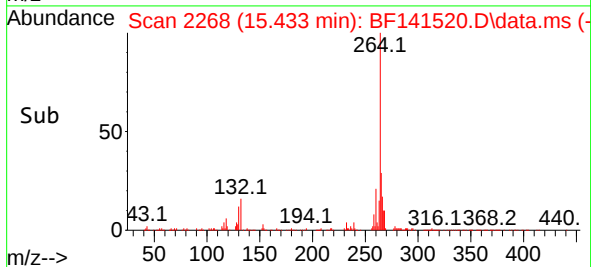
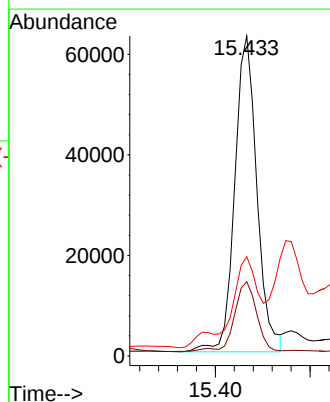
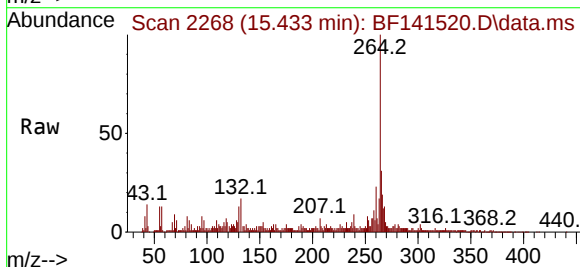
Tgt Ion:264 Resp: 102212

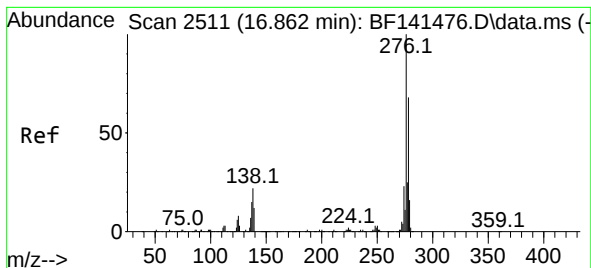
Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 31.0 17.0 25.4#





#87

Indeno(1,2,3-cd)pyrene

Concen: 98.771 ng

RT: 16.892 min Scan# 2198

Delta R.T. 0.018 min

Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

Instrument :

BNA_F

ClientSampleId :

JPP-26.1-012825

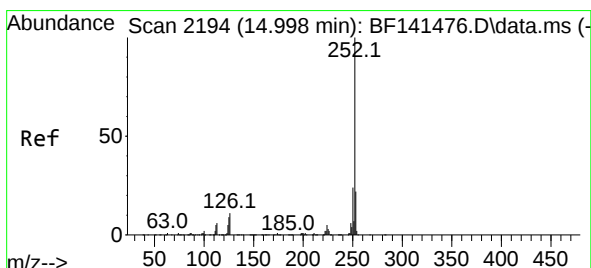
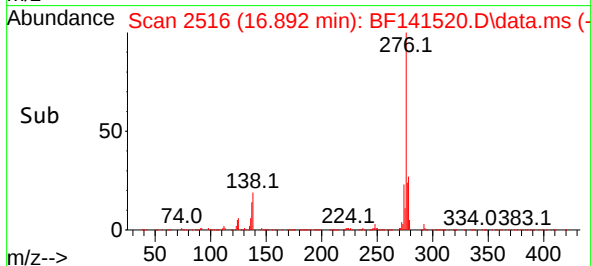
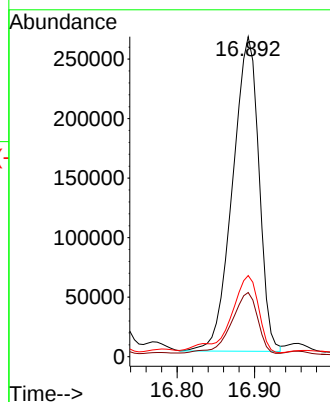
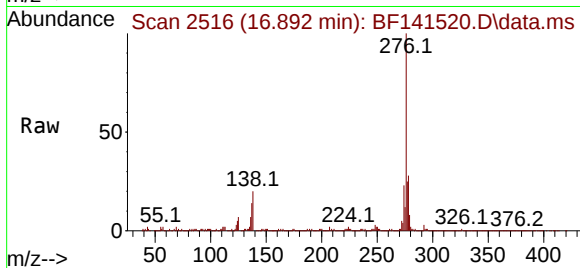
Tgt Ion:276 Resp: 623795

Ion Ratio Lower Upper

276 100

138 20.8 18.0 27.0

277 26.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 300.085 ng

RT: 15.021 min Scan# 2198

Delta R.T. 0.018 min

Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

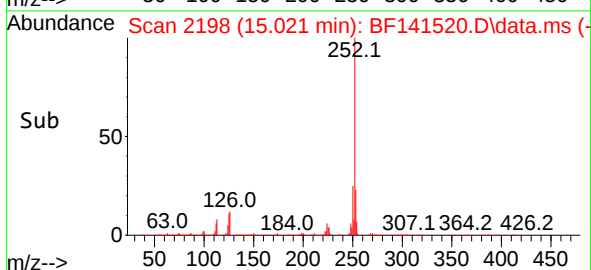
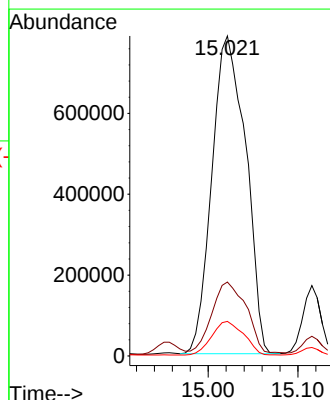
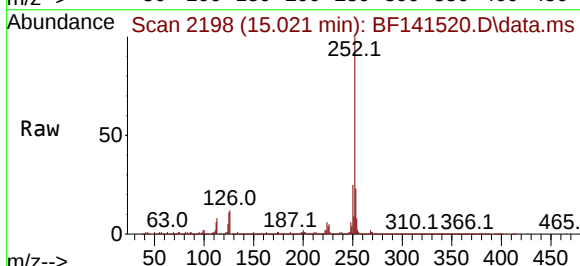
Tgt Ion:252 Resp: 2059498

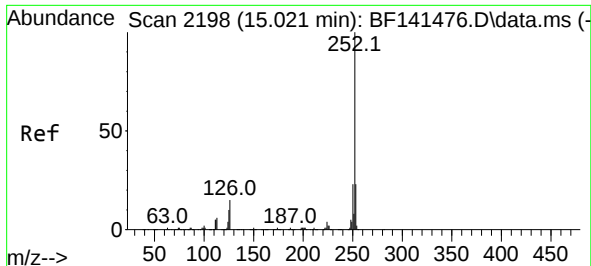
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 10.8 7.0 10.6#

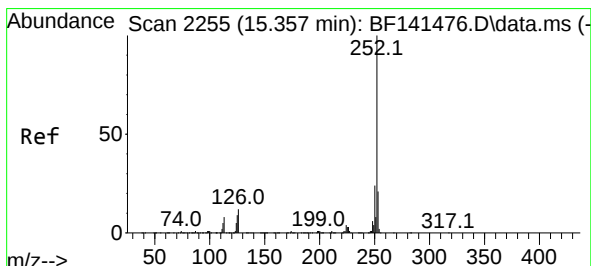
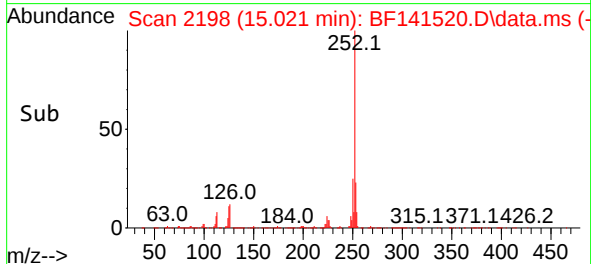
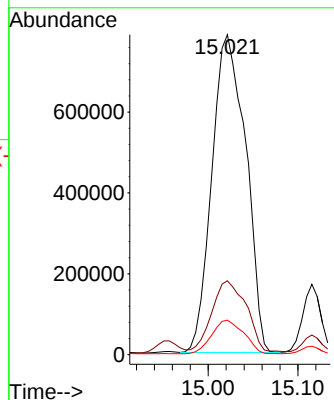
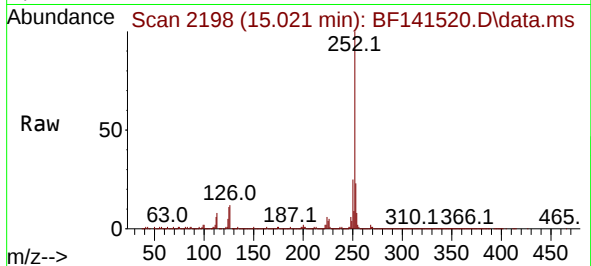




#89
Benzo(k)fluoranthene
Concen: 351.425 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

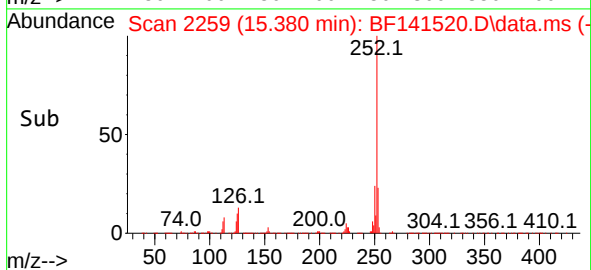
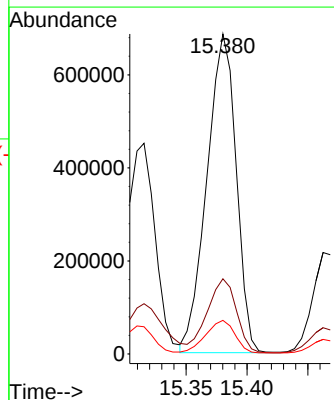
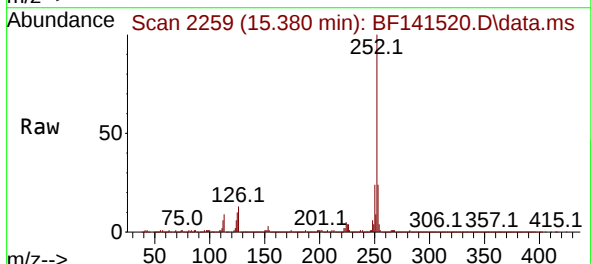
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

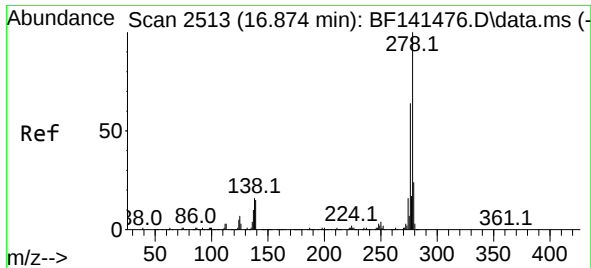
Tgt Ion:252 Resp: 2059498
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 10.8 7.4 11.0



#90
Benzo(a)pyrene
Concen: 206.364 ng
RT: 15.380 min Scan# 2259
Delta R.T. 0.018 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:252 Resp: 1146009
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 10.5 7.4 11.2

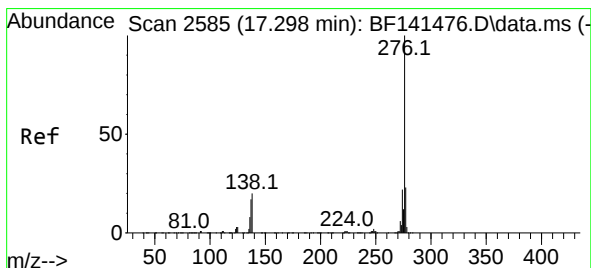
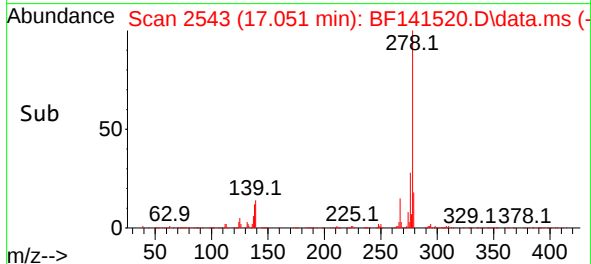
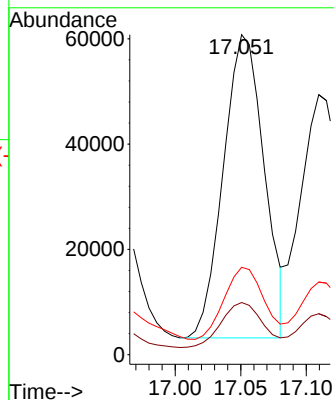
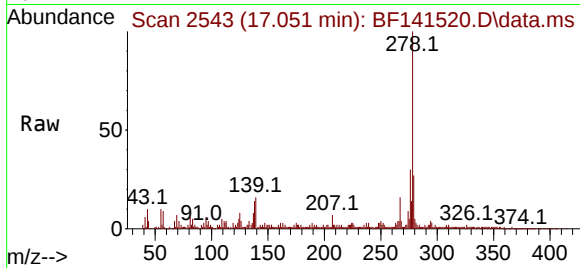




#91
Dibenzo(a,h)anthracene
Concen: 24.345 ng
RT: 17.051 min Scan# 2543
Delta R.T. 0.159 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Tgt Ion:278 Resp: 124583
Ion Ratio Lower Upper
278 100
139 16.3 11.8 17.6
279 27.3 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 111.118 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.018 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:276 Resp: 595057
Ion Ratio Lower Upper
276 100
277 24.7 18.6 28.0
138 20.3 15.9 23.9

