

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141521.D
 Acq On : 07 Feb 2025 21:13
 Operator : RC/JU
 Sample : Q1241-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-5.2-013025

Quant Time: Feb 07 22:27:57 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)

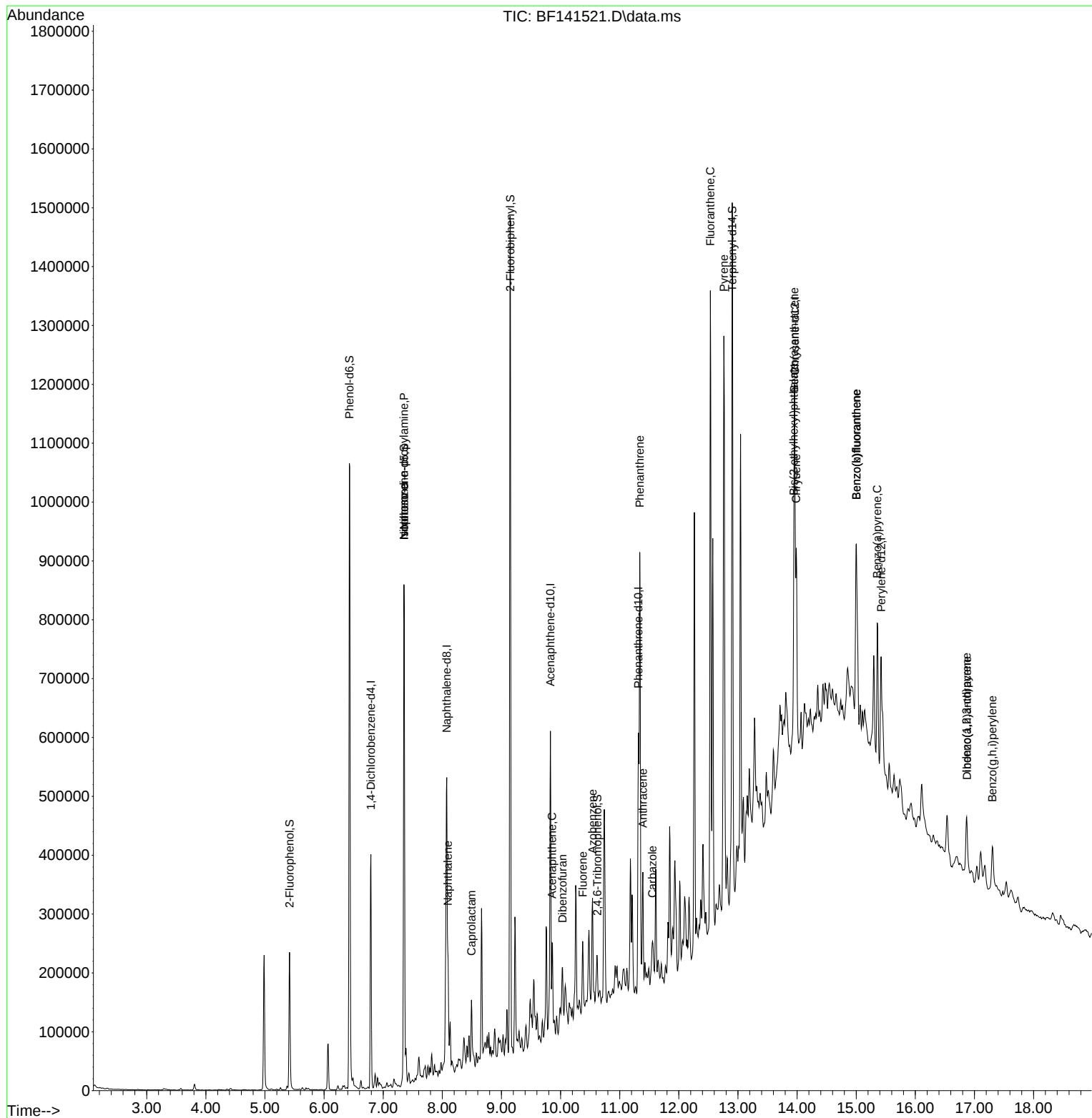
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	79798	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	308399	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	141432	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	218291	20.000	ng	0.00
76) Chrysene-d12	13.963	240	140468	20.000	ng	0.00
86) Perylene-d12	15.421	264	106816	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	88842	17.454	ng	0.00
7) Phenol-d6	6.428	99	476222	74.024	ng	-0.01
23) Nitrobenzene-d5	7.351	82	368037	62.245	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	7602	5.351	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	630781	68.712	ng	0.00
79) Terphenyl-d14	12.904	244	552444	66.394	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	53832	13.989	ng	# 76
25) Isophorone	7.351	82	352907	37.433	ng	# 66
31) Naphthalene	8.092	128	45870	2.857	ng	99
35) Caprolactam	8.492	113	3312	2.402	ng	# 1
52) Acenaphthene	9.857	154	45357	5.594	ng	99
55) Dibenzofuran	10.033	168	36271	3.048	ng	# 95
58) Fluorene	10.375	166	38897	4.227	ng	# 97
63) Azobenzene	10.539	77	37132	3.954	ng	# 1
71) Phenanthrene	11.339	178	391909	32.616	ng	100
72) Anthracene	11.392	178	113705	9.413	ng	99
73) Carbazole	11.551	167	23356	2.149	ng	# 92
75) Fluoranthene	12.533	202	619098	48.598	ng	99
78) Pyrene	12.763	202	568355	47.531	ng	99
81) Benzo(a)anthracene	13.951	228	233053	24.959	ng	98
83) Chrysene	13.986	228	189598	21.991	ng	96
84) Bis(2-ethylhexyl)phtha...	13.945	149	15128	3.239	ng	# 90
87) Indeno(1,2,3-cd)pyrene	16.868	276	79111	11.986	ng	94
88) Benzo(b)fluoranthene	15.004	252	263647	36.760	ng	# 94
89) Benzo(k)fluoranthene	15.004	252	263647	43.049	ng	# 95
90) Benzo(a)pyrene	15.357	252	146369	25.221	ng	# 93
91) Dibenzo(a,h)anthracene	16.874	278	19042	3.561	ng	# 75
92) Benzo(g,h,i)perylene	17.304	276	76046	13.588	ng	97

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

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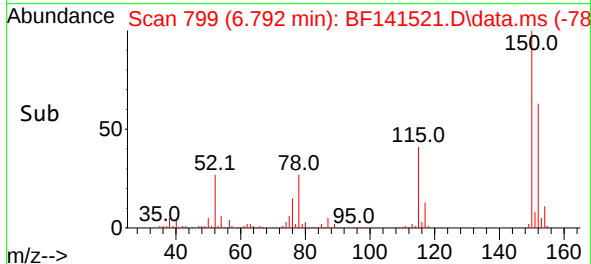
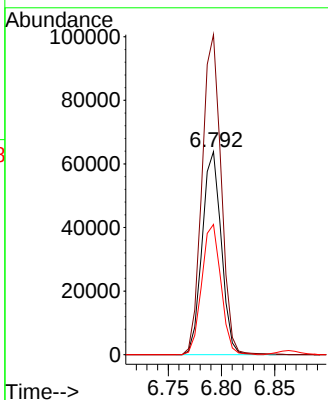
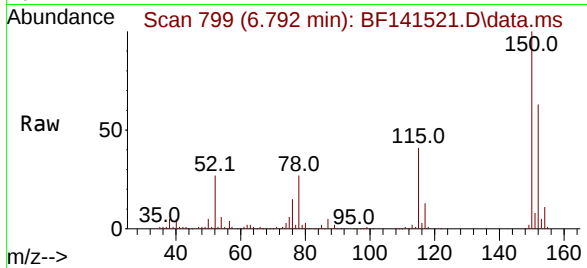




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

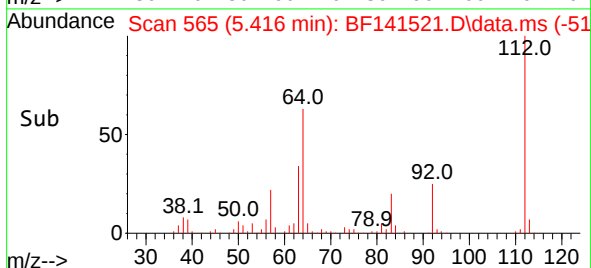
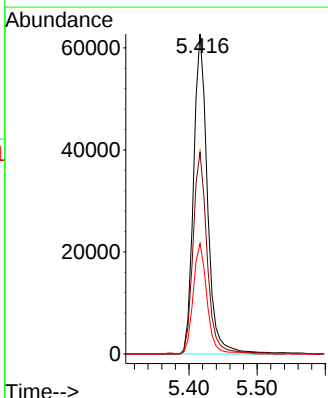
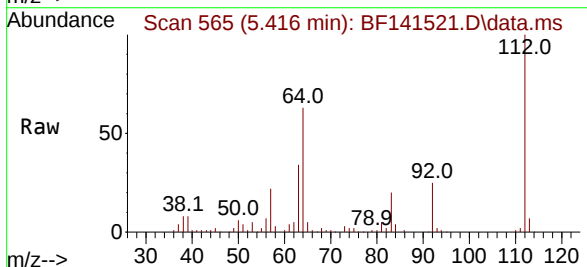
Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Tgt Ion:152 Resp: 79798
Ion Ratio Lower Upper
152 100
150 157.6 125.0 187.4
115 64.1 53.6 80.4



#5
2-Fluorophenol
Concen: 17.454 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:112 Resp: 88842
Ion Ratio Lower Upper
112 100
64 63.0 51.1 76.7
63 34.5 28.4 42.6





#7
Phenol-d6
Concen: 74.024 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

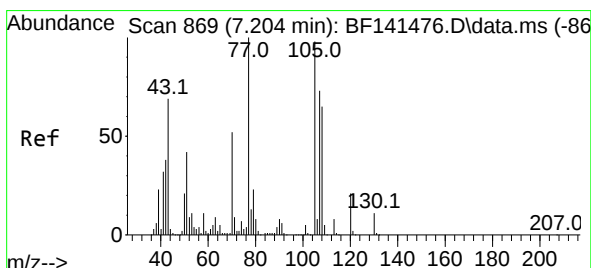
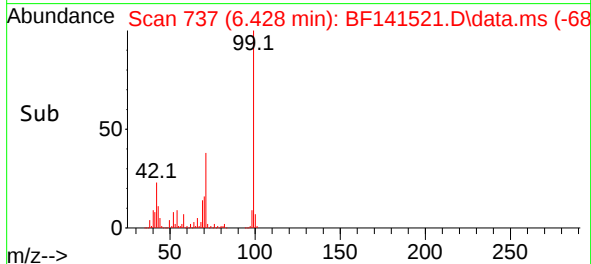
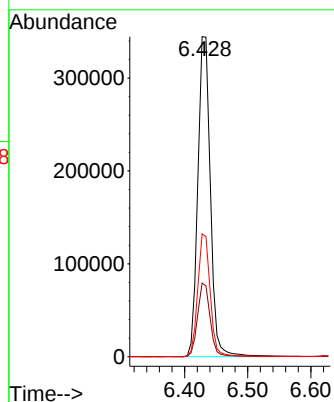
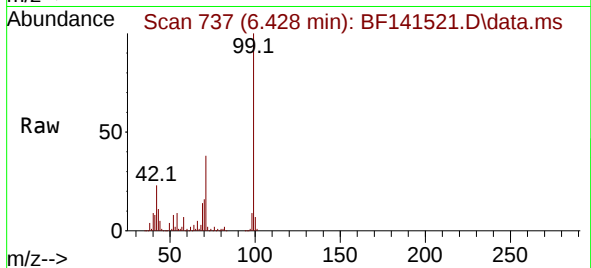
Instrument :

BNA_F

ClientSampleId :

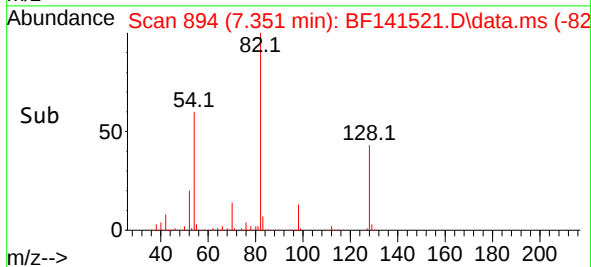
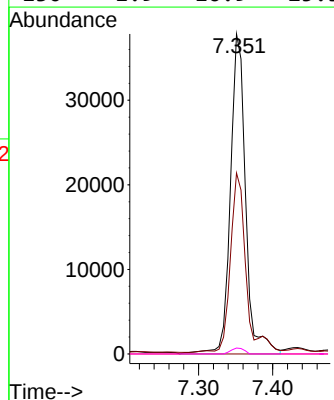
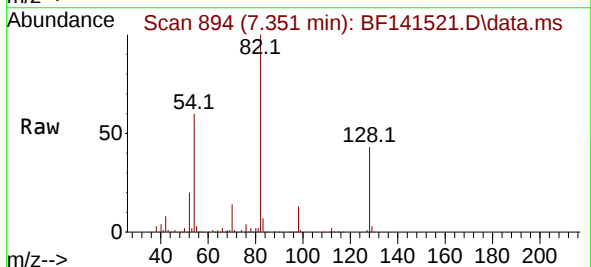
JPP-5.2-013025

Tgt Ion: 99 Resp: 476222
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 38.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.989 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion: 70 Resp: 53832
Ion Ratio Lower Upper
70 100
42 56.6 57.4 86.2#
101 0.0 8.0 12.0#
130 1.9 16.9 25.3#

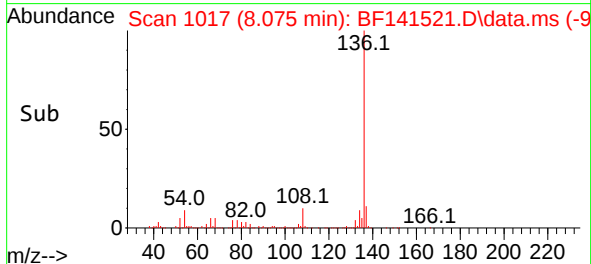
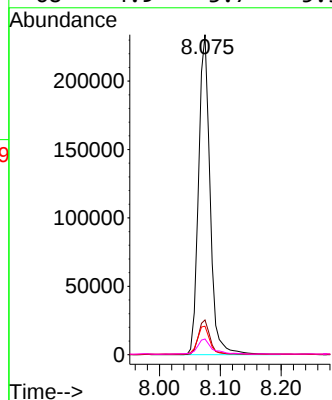
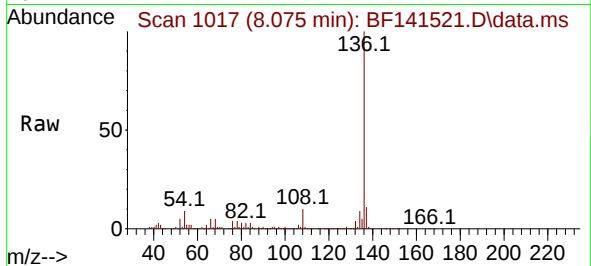




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

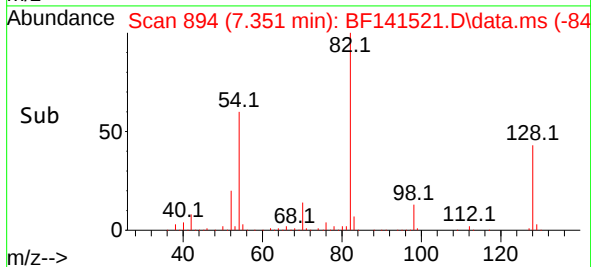
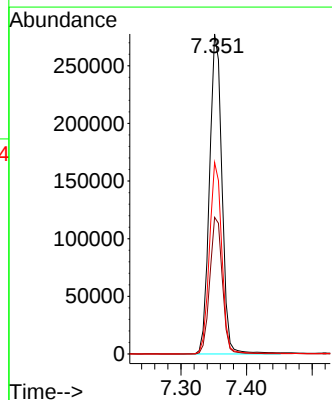
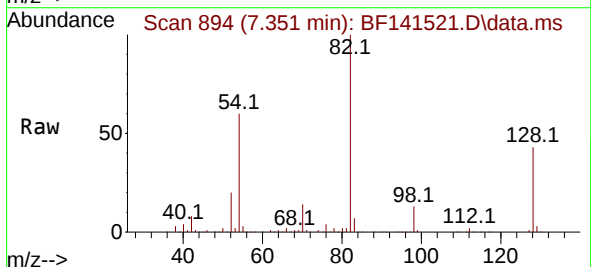
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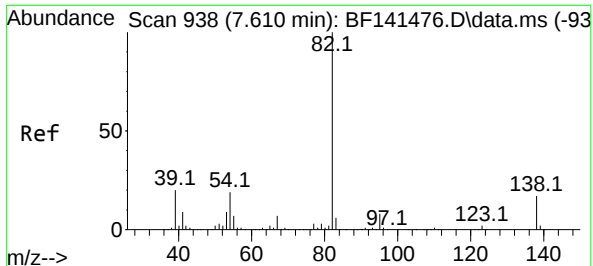
Tgt Ion:136 Resp: 308399
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.9 7.2 10.8
68 4.9 3.7 5.5



#23
Nitrobenzene-d5
Concen: 62.245 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion: 82 Resp: 368037
Ion Ratio Lower Upper
82 100
128 42.7 34.8 52.2
54 59.9 48.2 72.4

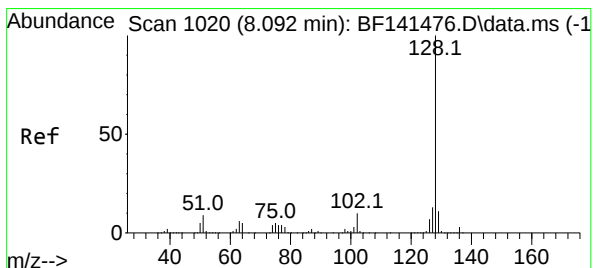
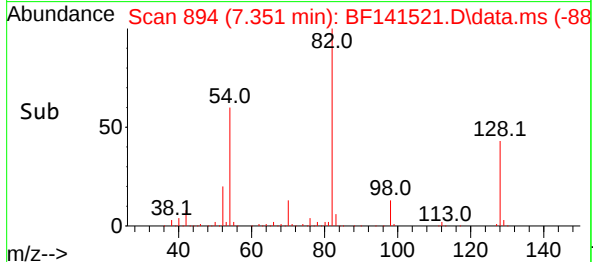
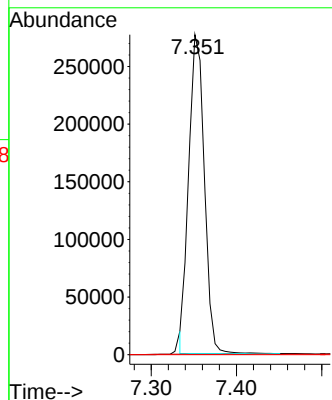
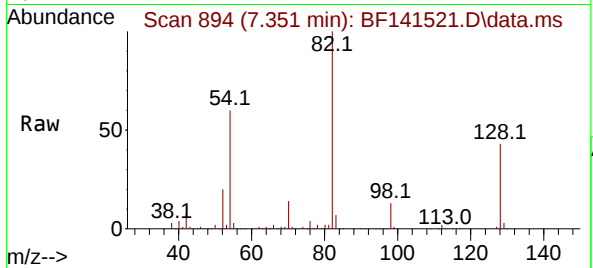




#25
Isophorone
Concen: 37.433 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

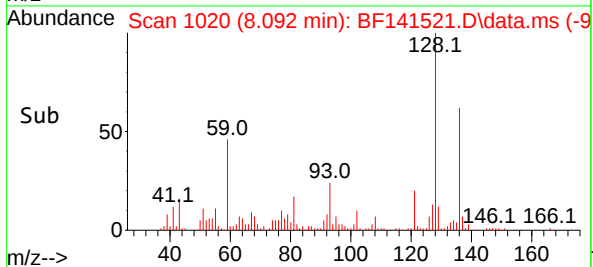
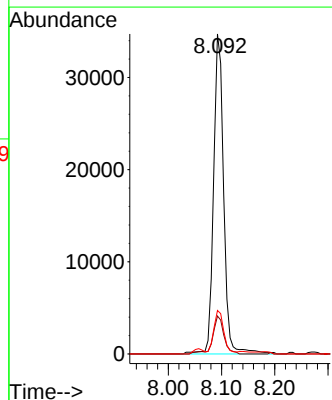
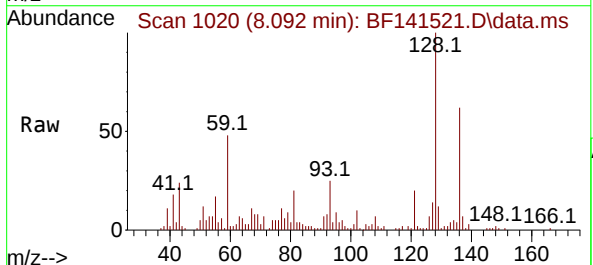
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ClientSampleId :
JPP-5.2-013025

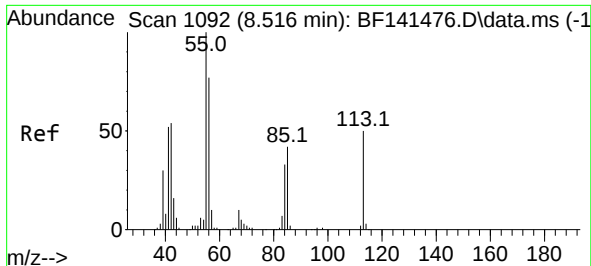
Tgt Ion: 82 Resp: 352907
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 2.857 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion: 128 Resp: 45870
Ion Ratio Lower Upper
128 100
129 11.8 8.9 13.3
127 13.6 10.7 16.1

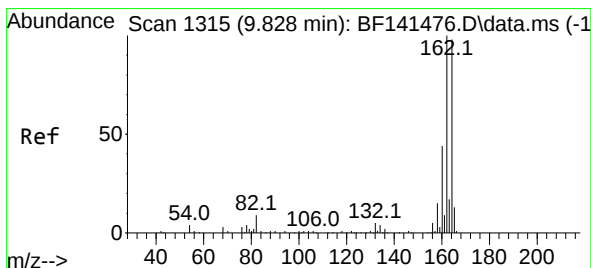
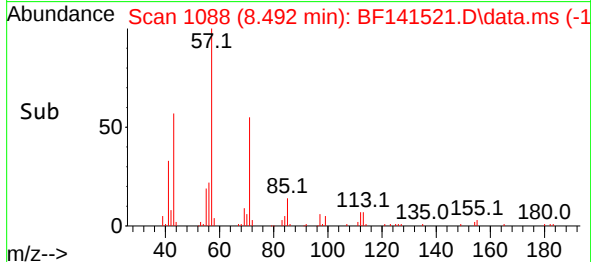
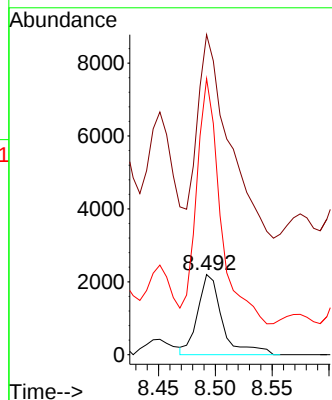
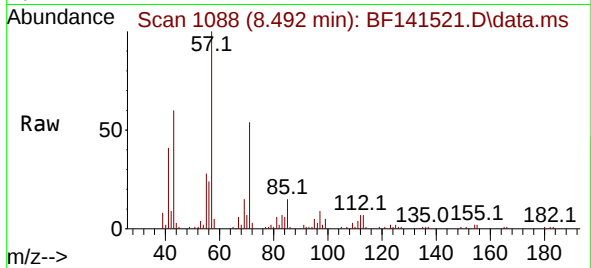




#35
 Caprolactam
 Concen: 2.402 ng
 RT: 8.492 min Scan# 1092
 Delta R.T. -0.053 min
 Lab File: BF141521.D
 Acq: 07 Feb 2025 21:13

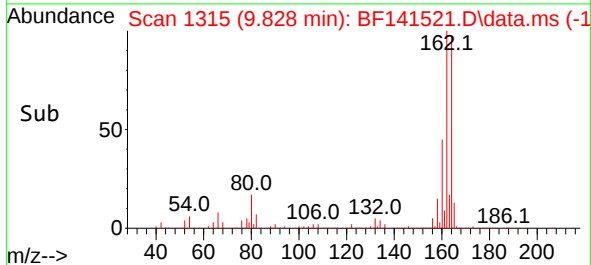
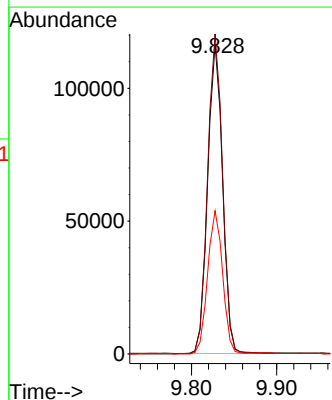
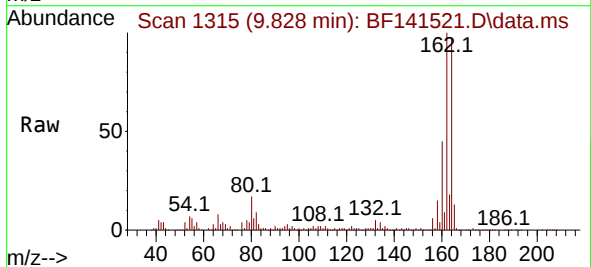
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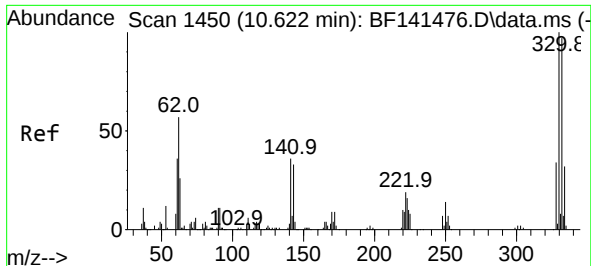
Tgt Ion:113 Resp: 3312
 Ion Ratio Lower Upper
 113 100
 55 399.3 180.8 220.8#
 56 344.4 133.6 173.6#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.828 min Scan# 1315
 Delta R.T. -0.006 min
 Lab File: BF141521.D
 Acq: 07 Feb 2025 21:13

Tgt Ion:164 Resp: 141432
 Ion Ratio Lower Upper
 164 100
 162 103.3 81.3 121.9
 160 46.3 35.9 53.9

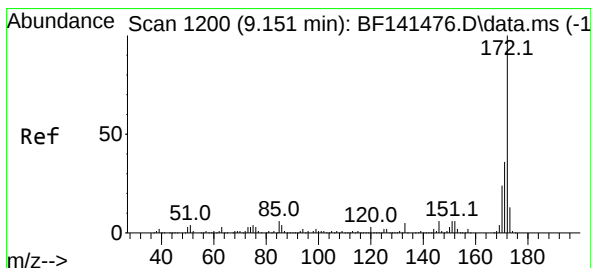
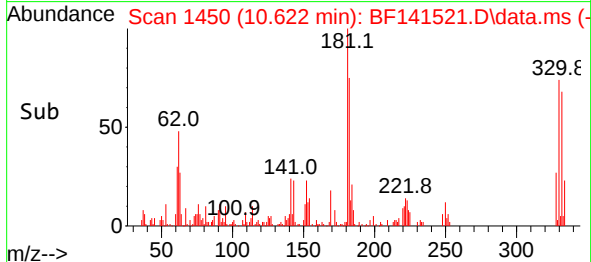
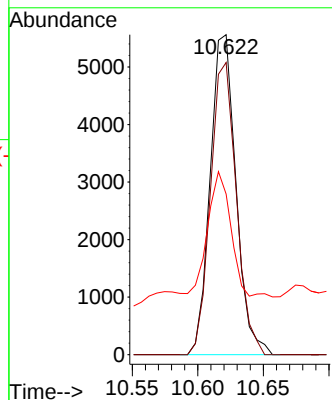
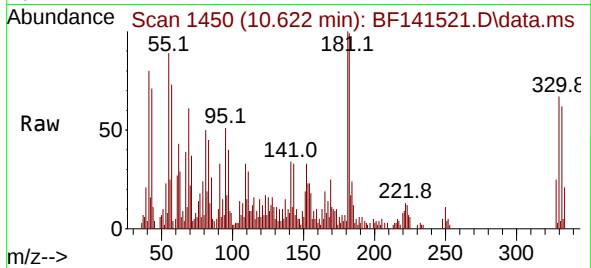




#42
2,4,6-Tribromophenol
Concen: 5.351 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

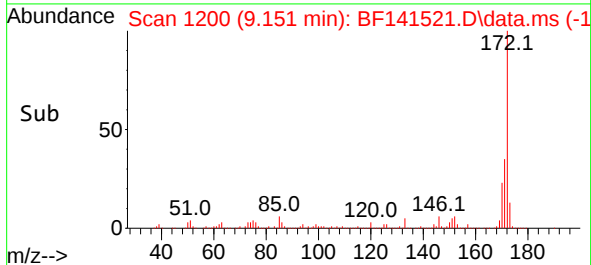
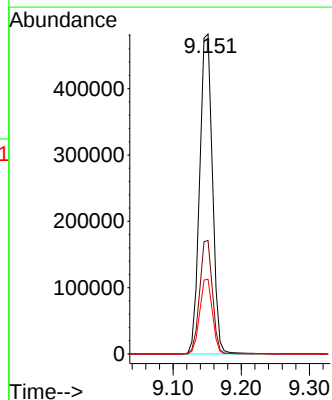
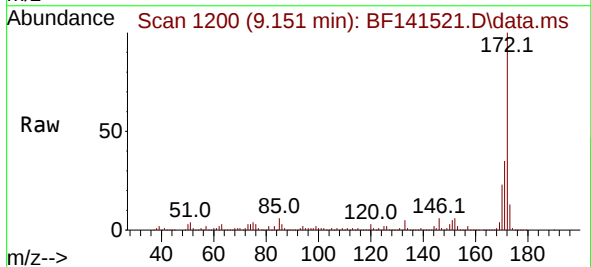
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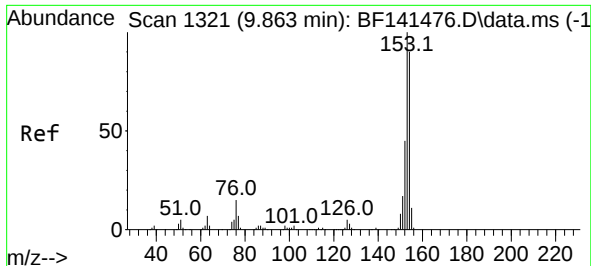
Tgt Ion:330 Resp: 7602
Ion Ratio Lower Upper
330 100
332 91.8 78.5 117.7
141 35.8 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 68.712 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:172 Resp: 630781
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.3 18.9 28.3

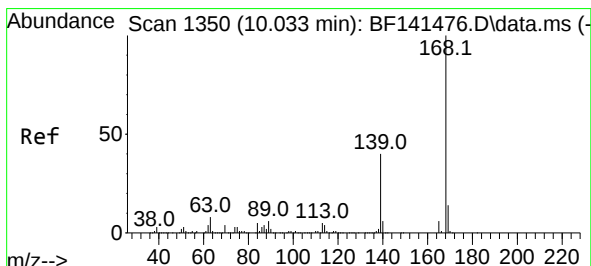
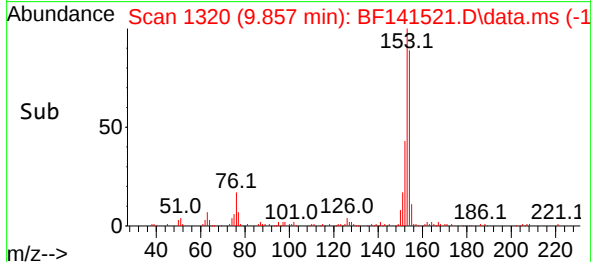
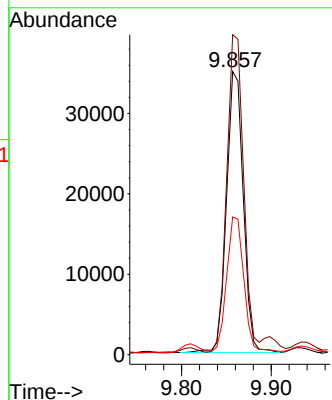
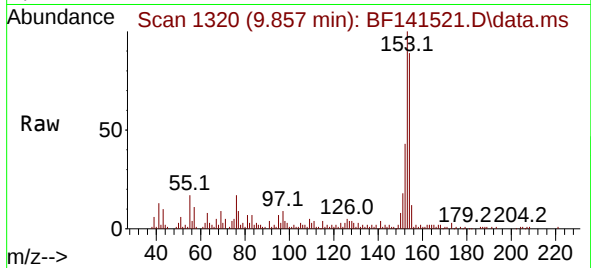




#52
Acenaphthene
Concen: 5.594 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

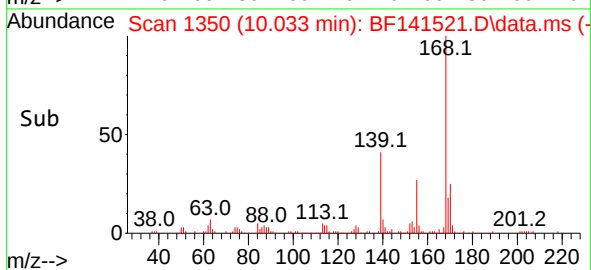
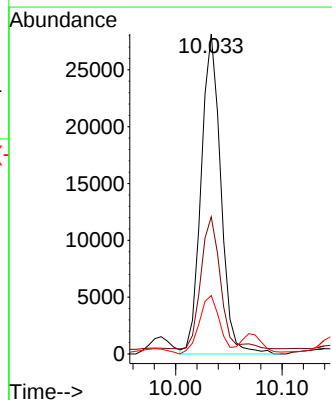
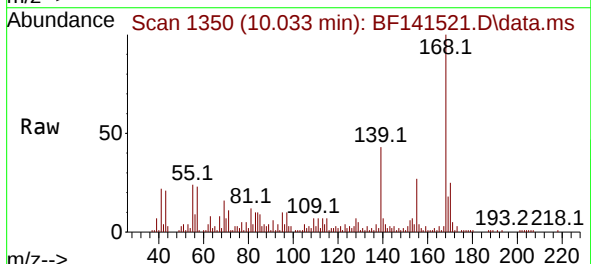
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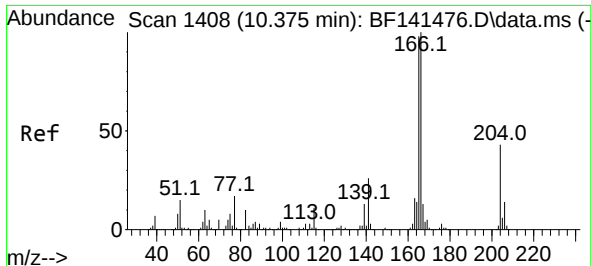
Tgt Ion:154 Resp: 45357
Ion Ratio Lower Upper
154 100
153 113.0 89.2 133.8
152 48.7 39.8 59.8



#55
Dibenzofuran
Concen: 3.048 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:168 Resp: 36271
Ion Ratio Lower Upper
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139 42.9 32.7 49.1
169 18.3 10.8 16.2#

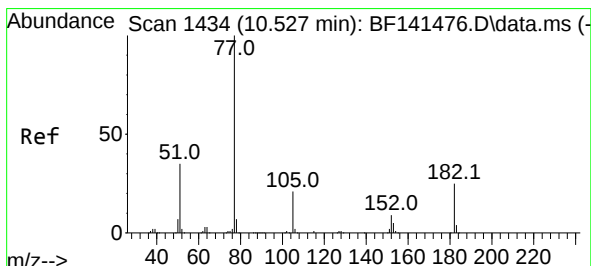
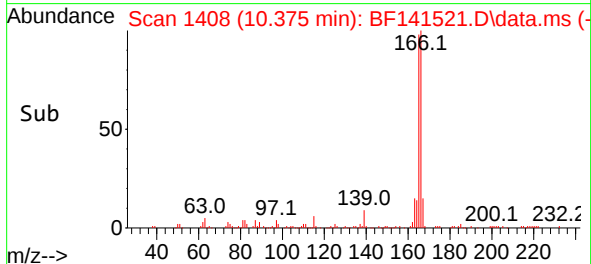
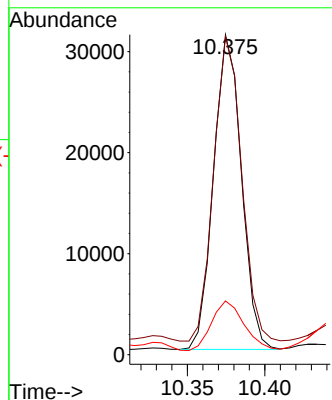
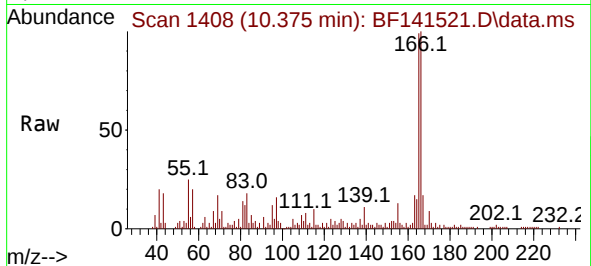




#58
Fluorene
Concen: 4.227 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

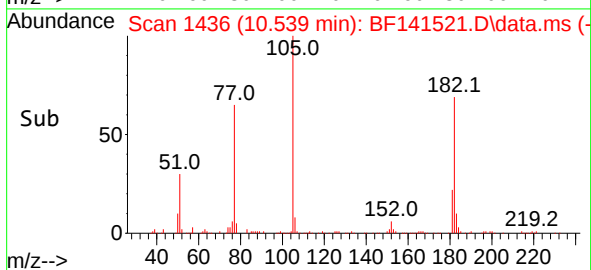
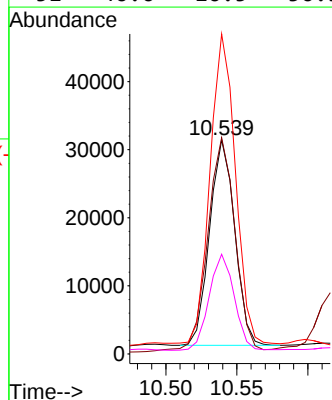
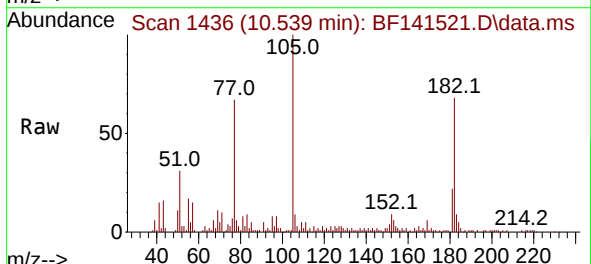
Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

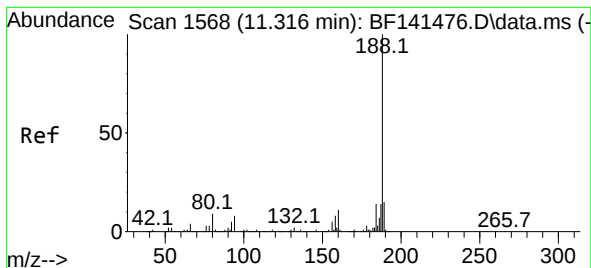
Tgt Ion:166 Resp: 38897
Ion Ratio Lower Upper
166 100
165 99.4 78.2 117.2
167 16.8 10.7 16.1#



#63
Azobenzene
Concen: 3.954 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion: 77 Resp: 37132
Ion Ratio Lower Upper
77 100
182 101.0 4.7 44.7#
105 149.3 0.4 40.4#
51 46.6 16.5 56.5

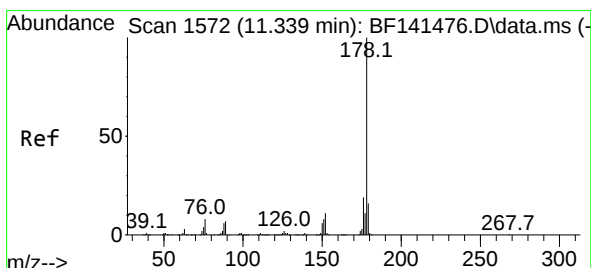
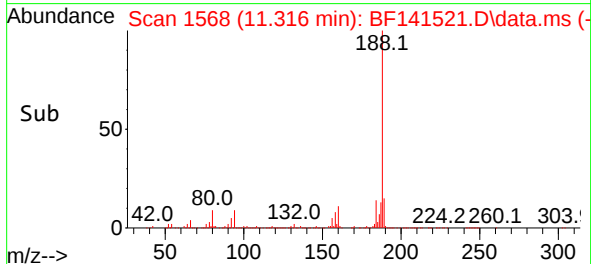
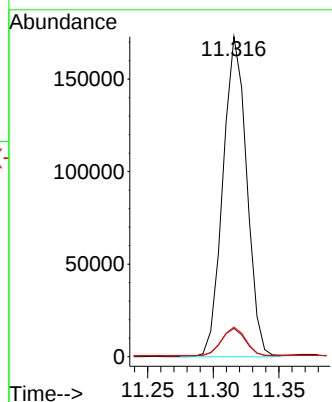
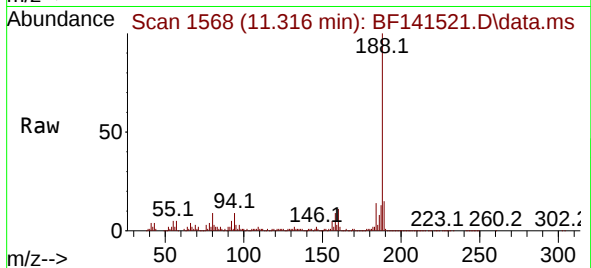




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

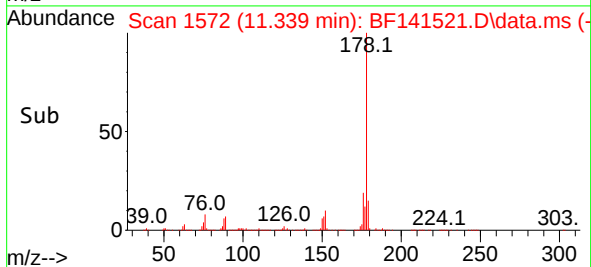
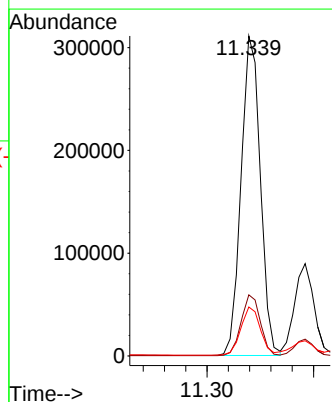
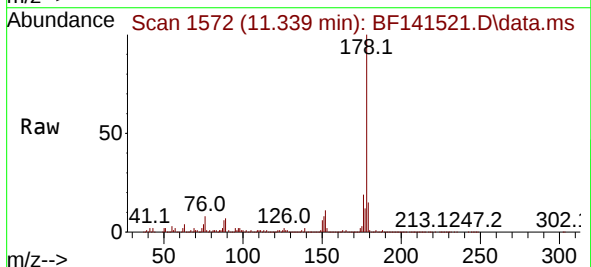
Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

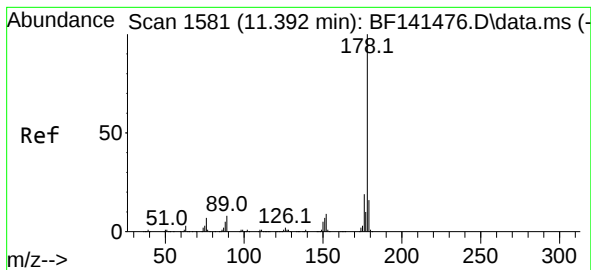
Tgt Ion:188 Resp: 218291
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.2 7.3 10.9



#71
Phenanthrene
Concen: 32.616 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:178 Resp: 391909
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.3 12.4 18.6





#72

Anthracene

Concen: 9.413 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Instrument :

BNA_F

ClientSampleId :

JPP-5.2-013025

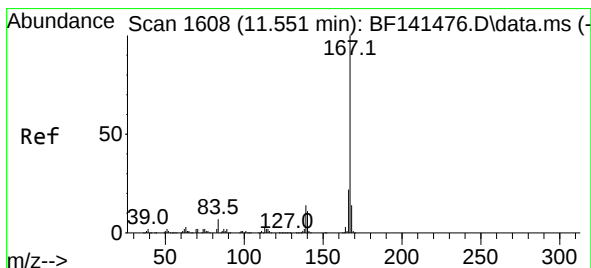
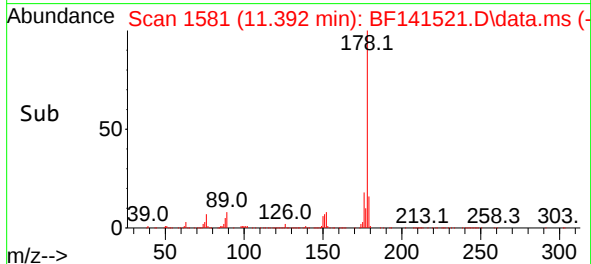
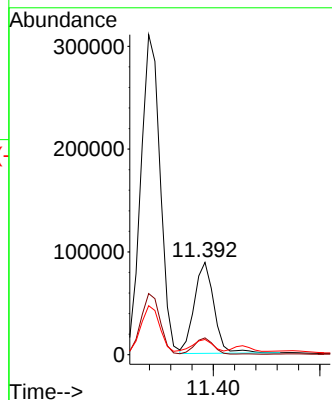
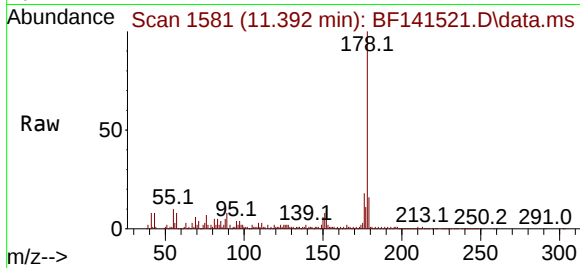
Tgt Ion:178 Resp: 113705

Ion Ratio Lower Upper

178 100

176 18.2 14.8 22.2

179 16.4 12.4 18.6



#73

Carbazole

Concen: 2.149 ng

RT: 11.551 min Scan# 1608

Delta R.T. 0.000 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

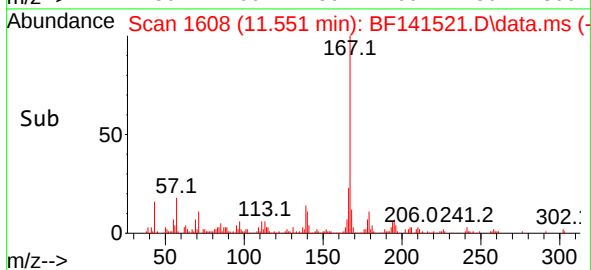
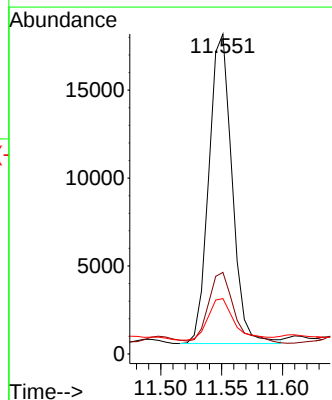
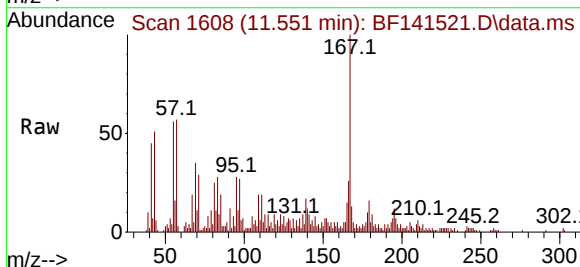
Tgt Ion:167 Resp: 23356

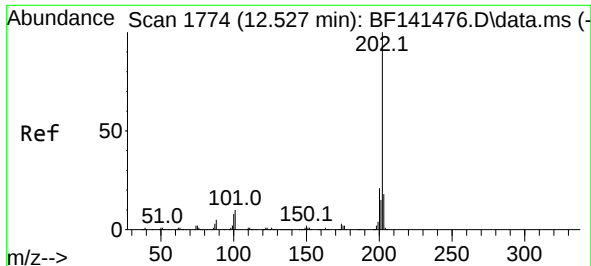
Ion Ratio Lower Upper

167 100

166 25.5 17.4 26.2

139 17.3 10.9 16.3#

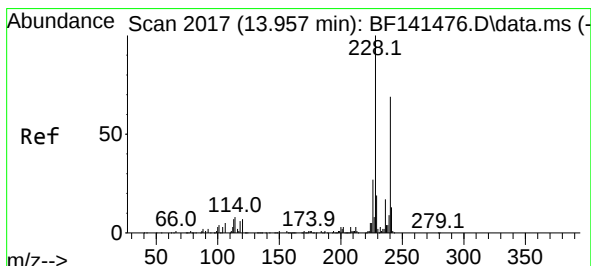
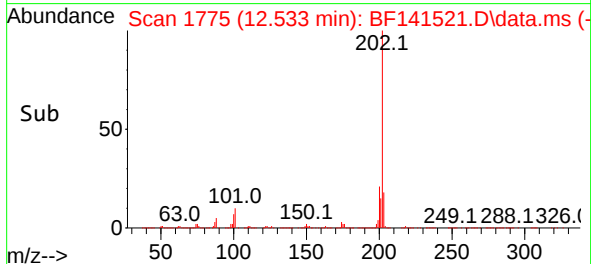
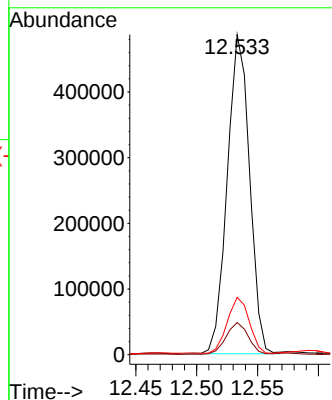
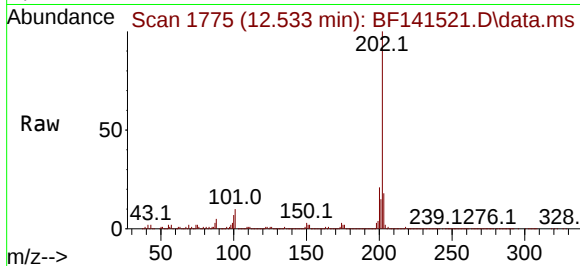




#75
Fluoranthene
Concen: 48.598 ng
RT: 12.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

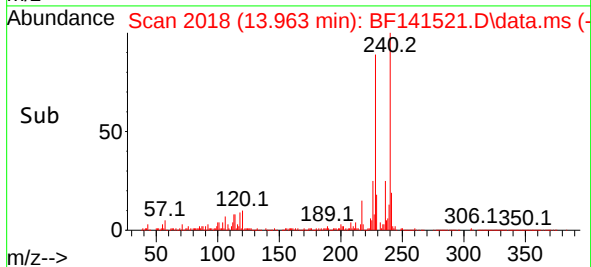
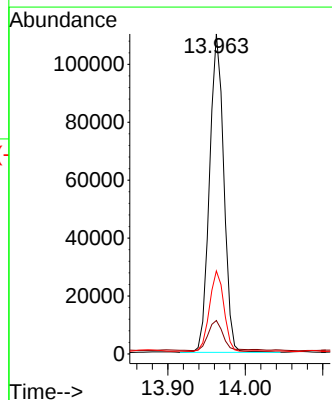
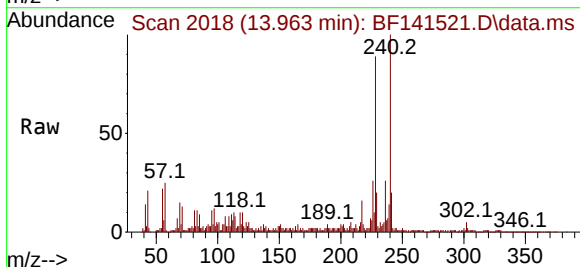
Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

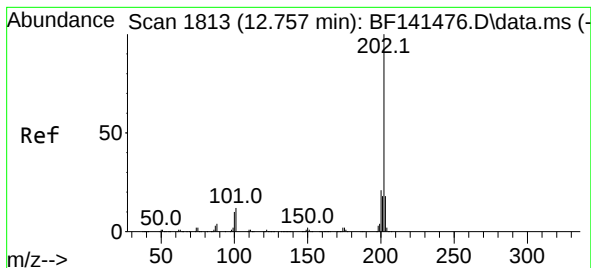
Tgt Ion:202 Resp: 619098
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.2
203 17.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:240 Resp: 140468
Ion Ratio Lower Upper
240 100
120 10.5 8.0 12.0
236 26.0 19.8 29.8





#78

Pyrene

Concen: 47.531 ng

RT: 12.763 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Instrument :

BNA_F

ClientSampleId :

JPP-5.2-013025

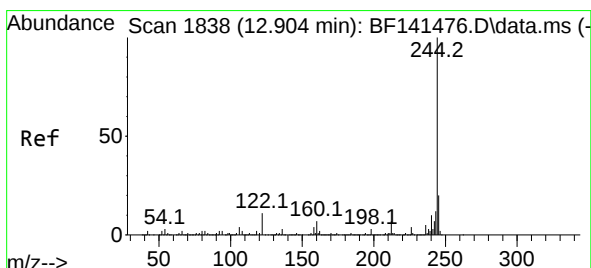
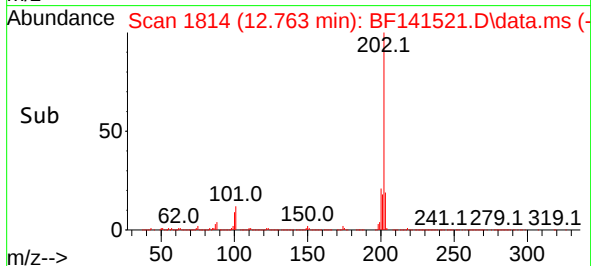
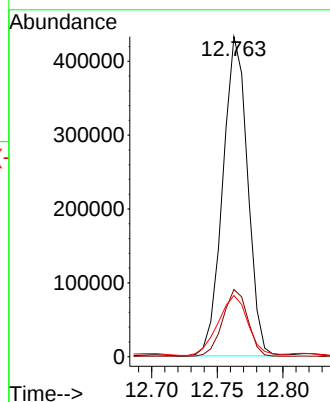
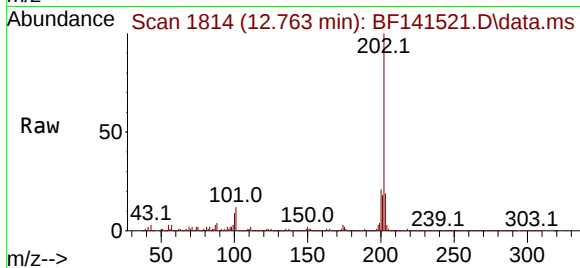
Tgt Ion:202 Resp: 568355

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 19.1 14.3 21.5



#79

Terphenyl-d14

Concen: 66.394 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

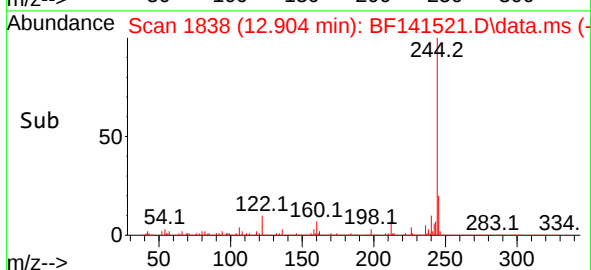
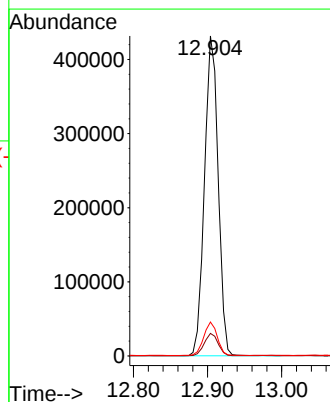
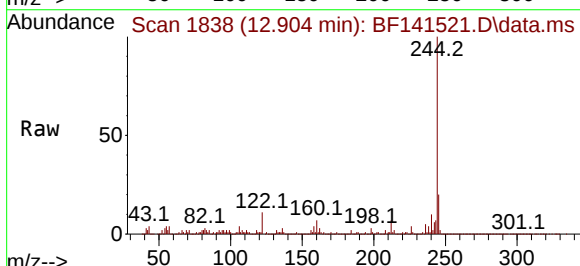
Tgt Ion:244 Resp: 552444

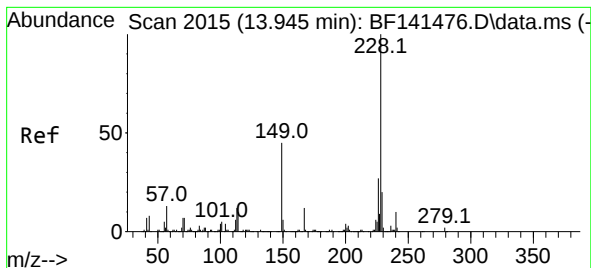
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.6 8.4 12.6





#81

Benzo(a)anthracene

Concen: 24.959 ng

RT: 13.951 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Instrument :

BNA_F

ClientSampleId :

JPP-5.2-013025

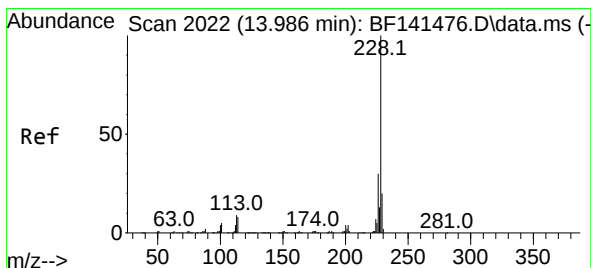
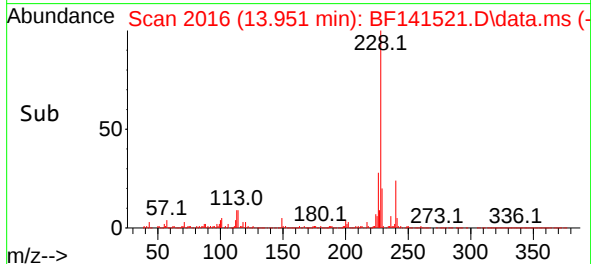
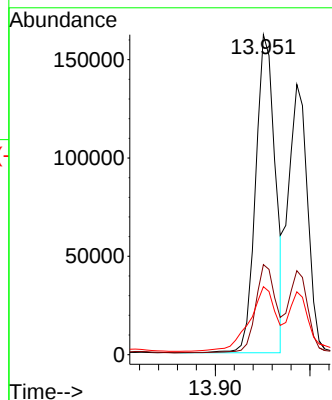
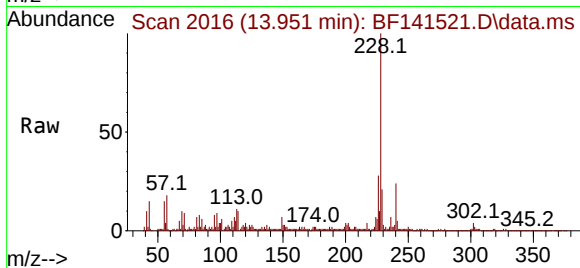
Tgt Ion:228 Resp: 233053

Ion Ratio Lower Upper

228 100

226 28.2 21.8 32.8

229 21.2 15.8 23.6



#83

Chrysene

Concen: 21.991 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

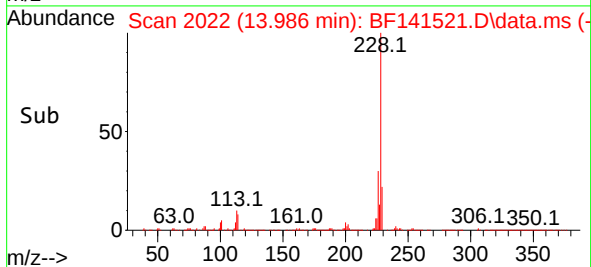
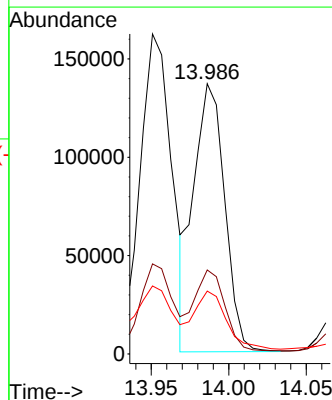
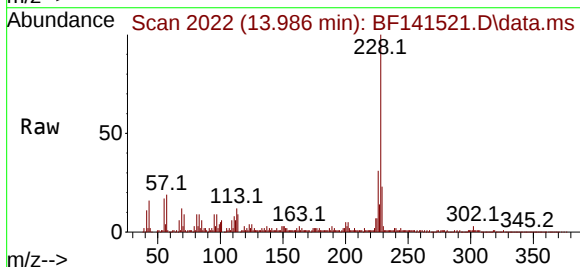
Tgt Ion:228 Resp: 189598

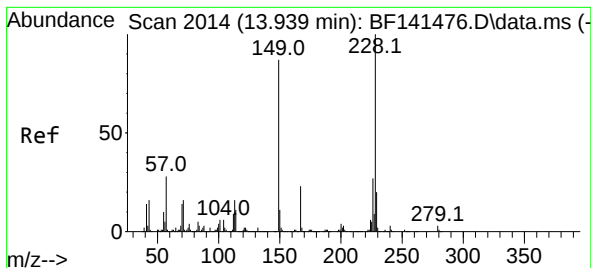
Ion Ratio Lower Upper

228 100

226 31.1 24.0 36.0

229 23.3 15.7 23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.239 ng

RT: 13.945 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Instrument :

BNA_F

ClientSampleId :

JPP-5.2-013025

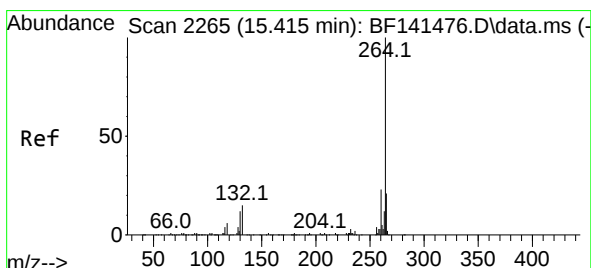
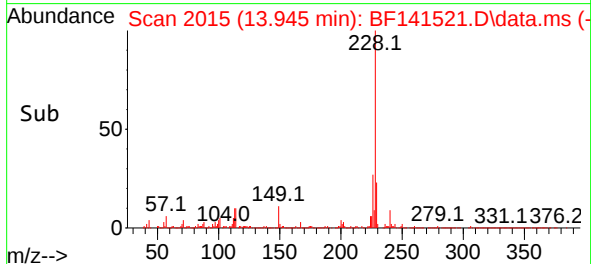
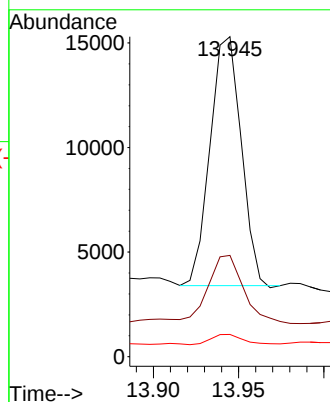
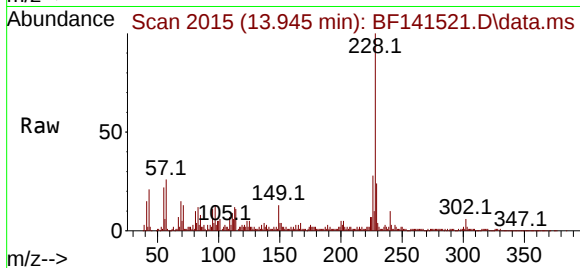
Tgt Ion:149 Resp: 15128

Ion Ratio Lower Upper

149 100

167 31.6 21.4 32.0

279 7.0 3.1 4.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. 0.006 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

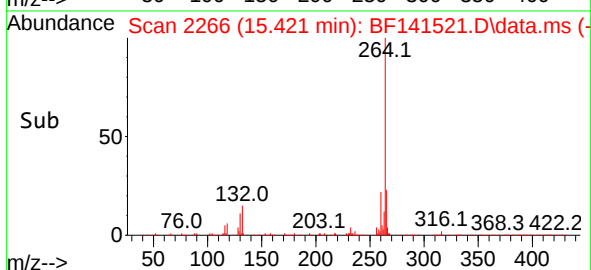
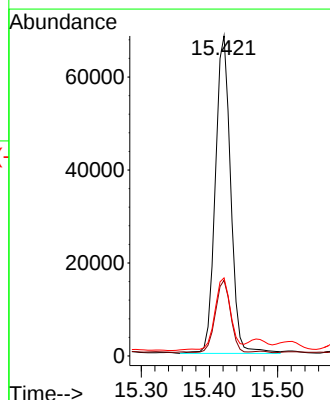
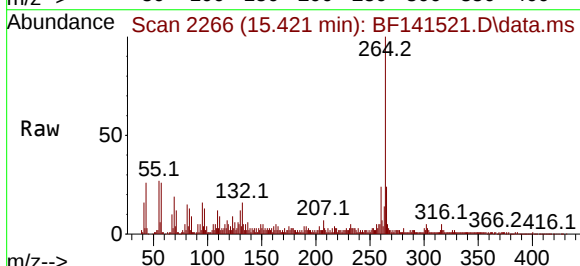
Tgt Ion:264 Resp: 106816

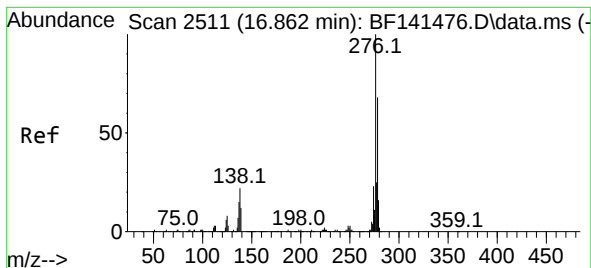
Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 24.4 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.986 ng

RT: 16.868 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Instrument :

BNA_F

ClientSampleId :

JPP-5.2-013025

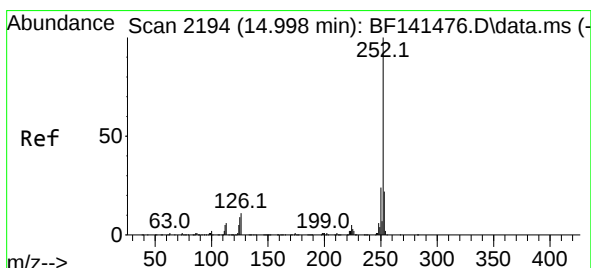
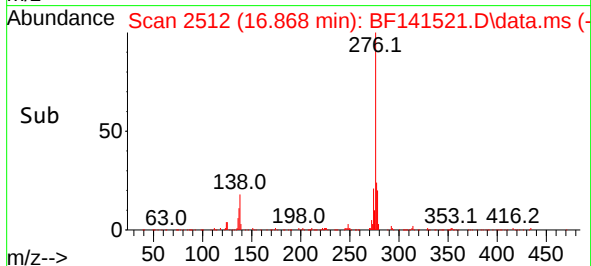
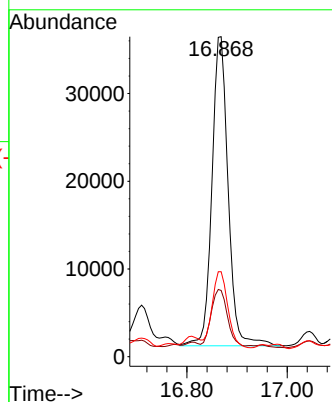
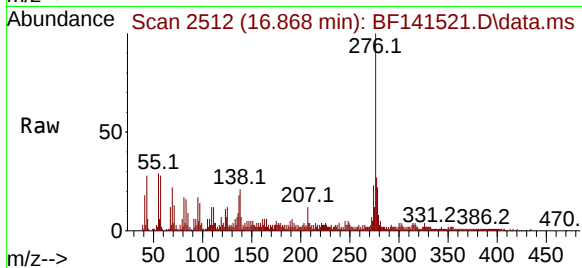
Tgt Ion:276 Resp: 79111

Ion Ratio Lower Upper

276 100

138 18.1 18.0 27.0

277 24.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 36.760 ng

RT: 15.004 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

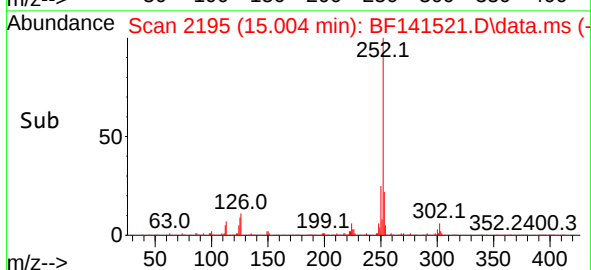
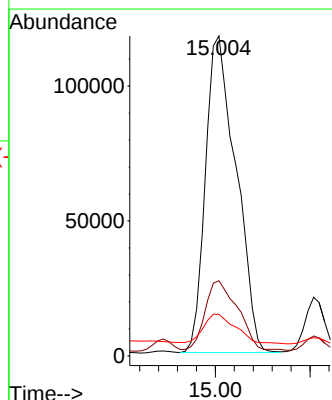
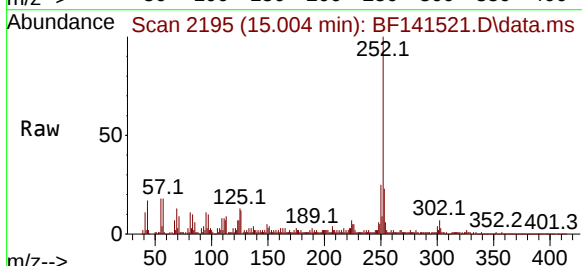
Tgt Ion:252 Resp: 263647

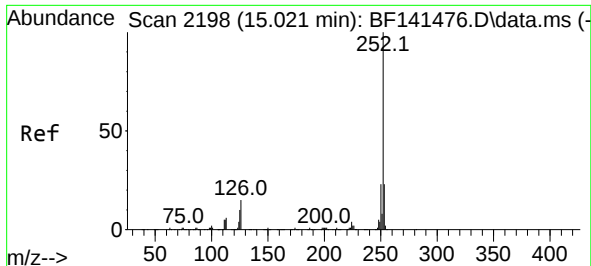
Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

125 13.0 7.0 10.6#

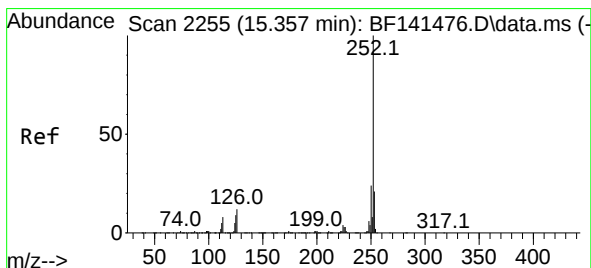
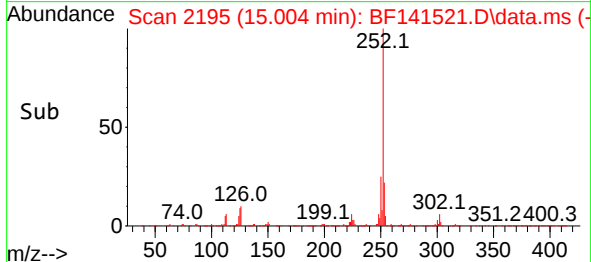
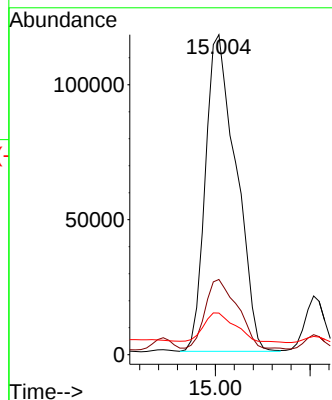
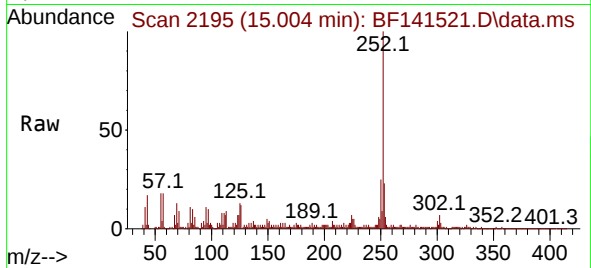




#89
Benzo(k)fluoranthene
Concen: 43.049 ng
RT: 15.004 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

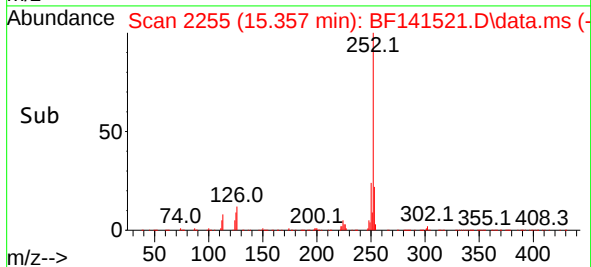
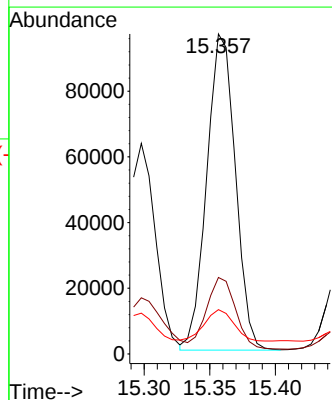
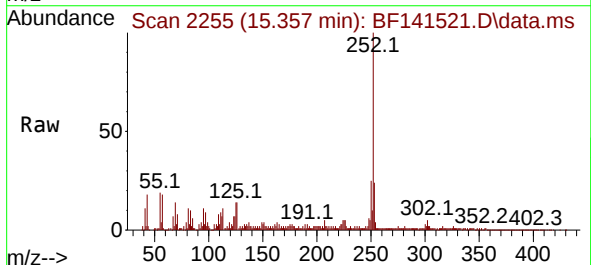
Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

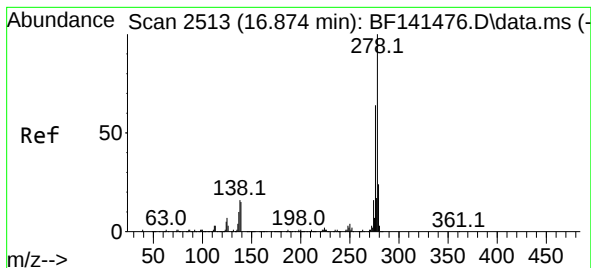
Tgt Ion:252 Resp: 263647
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 13.0 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 25.221 ng
RT: 15.357 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:252 Resp: 146369
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 13.9 7.4 11.2#





#91

Dibenzo(a,h)anthracene

Concen: 3.561 ng

RT: 16.874 min Scan# 2513

Delta R.T. -0.018 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Instrument :

BNA_F

ClientSampleId :

JPP-5.2-013025

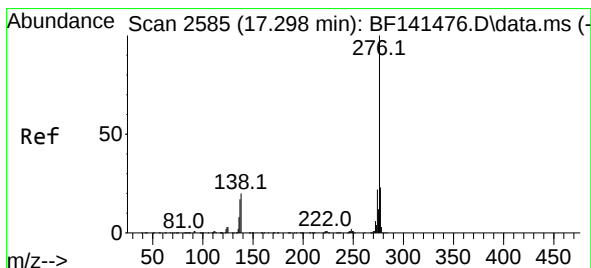
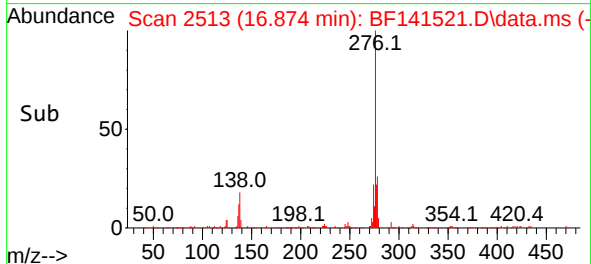
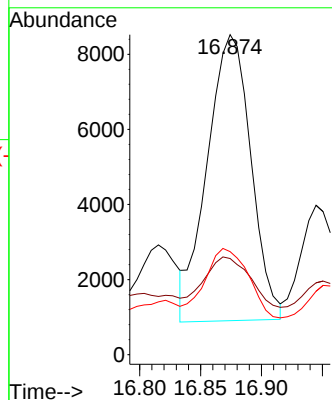
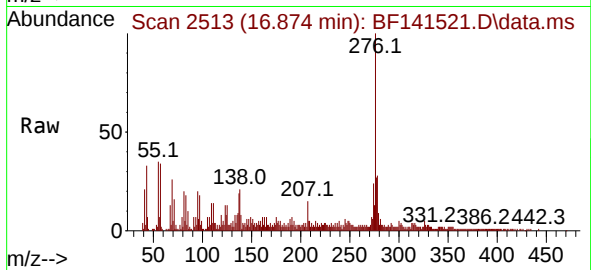
Tgt Ion:278 Resp: 19042

Ion Ratio Lower Upper

278 100

139 30.1 11.8 17.6#

279 32.2 19.1 28.7#



#92

Benzo(g,h,i)perylene

Concen: 13.588 ng

RT: 17.304 min Scan# 2586

Delta R.T. -0.012 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Tgt Ion:276 Resp: 76046

Ion Ratio Lower Upper

276 100

277 24.8 18.6 28.0

138 21.4 15.9 23.9

