

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141523.D
 Acq On : 07 Feb 2025 22:07
 Operator : RC/JU
 Sample : Q1232-07 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-46.1-012925

Quant Time: Feb 08 00:32:09 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)

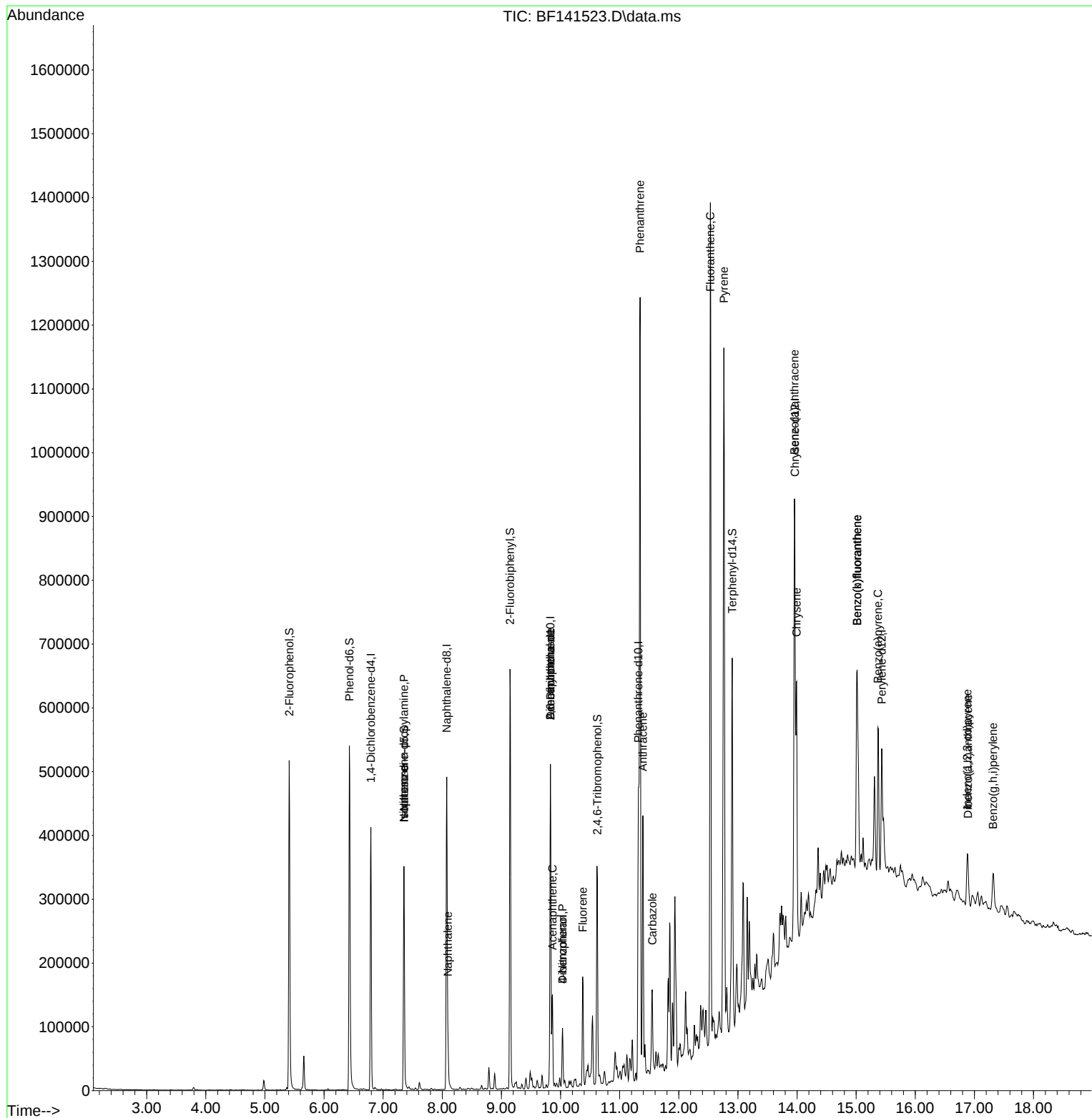
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	83684	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	306437	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	148193	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	233826	20.000	ng	0.00
76) Chrysene-d12	13.963	240	140011	20.000	ng	0.00
86) Perylene-d12	15.433	264	112168	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	196103	36.738	ng	0.00
7) Phenol-d6	6.428	99	241743	35.832	ng	-0.01
23) Nitrobenzene-d5	7.351	82	150550	25.625	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	43345	29.117	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	287255	29.864	ng	0.00
79) Terphenyl-d14	12.904	244	271687	32.758	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	20339	5.040	ng	# 76
25) Isophorone	7.351	82	143732	15.343	ng	# 66
31) Naphthalene	8.092	128	39974	2.506	ng	99
50) Dimethylphthalate	9.828	163	20951	2.083	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	19679	8.948	ng	# 23
52) Acenaphthene	9.863	154	46079	5.424	ng	99
55) Dibenzofuran	10.033	168	46607	3.738	ng	97
56) 4-Nitrophenol	10.033	139	18535	10.548	ng	# 3
58) Fluorene	10.375	166	67984	7.051	ng	98
71) Phenanthrene	11.345	178	669208	51.993	ng	99
72) Anthracene	11.392	178	229061	17.704	ng	99
73) Carbazole	11.551	167	69266	5.950	ng	99
75) Fluoranthene	12.533	202	741690	54.353	ng	99
78) Pyrene	12.763	202	624112	52.364	ng	98
81) Benzo(a)anthracene	13.957	228	293119	31.494	ng	98
83) Chrysene	13.992	228	203345	23.662	ng	96
87) Indeno(1,2,3-cd)pyrene	16.880	276	67796	9.782	ng	# 94
88) Benzo(b)fluoranthene	15.015	252	275521	36.582	ng	# 97
89) Benzo(k)fluoranthene	15.015	252	275521	42.841	ng	# 98
90) Benzo(a)pyrene	15.368	252	146577	24.052	ng	# 94
91) Dibenzo(a,h)anthracene	16.892	278	20121	3.583	ng	# 77
92) Benzo(g,h,i)perylene	17.315	276	63057	10.730	ng	94

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

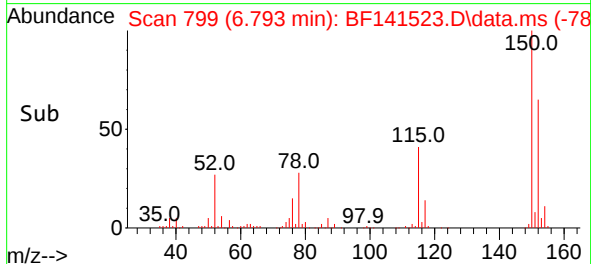
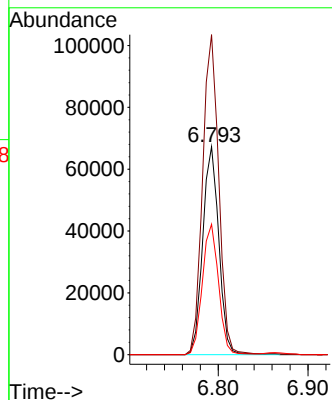
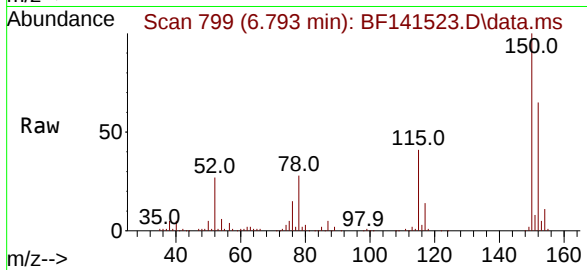




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 798
Delta R.T. 0.001 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

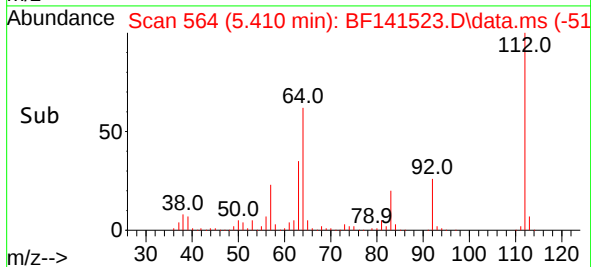
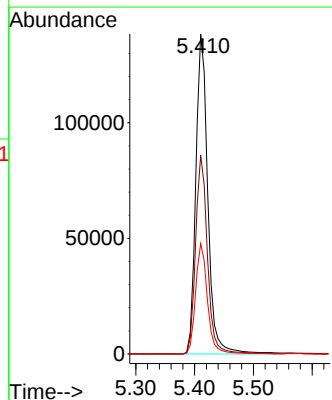
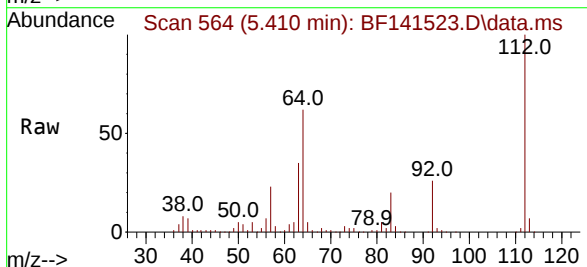
Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925

Tgt Ion:152 Resp: 83684
Ion Ratio Lower Upper
152 100
150 153.9 125.0 187.4
115 62.7 53.6 80.4



#5
2-Fluorophenol
Concen: 36.738 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

Tgt Ion:112 Resp: 196103
Ion Ratio Lower Upper
112 100
64 62.0 51.1 76.7
63 34.5 28.4 42.6

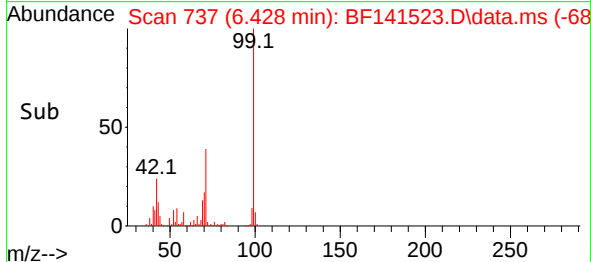
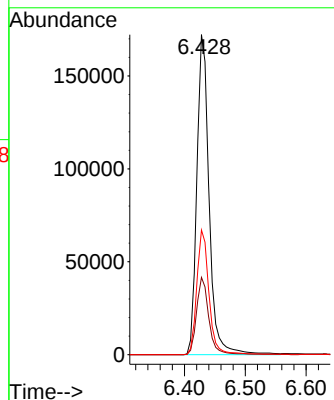
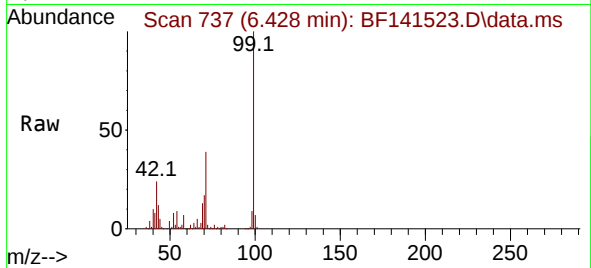




#7
Phenol-d6
Concen: 35.832 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

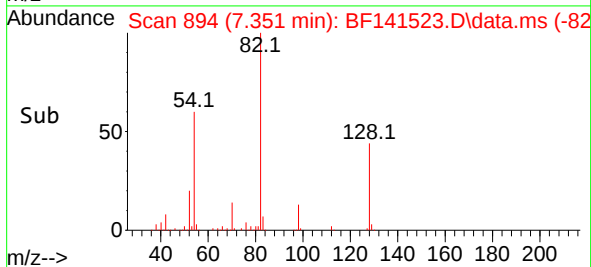
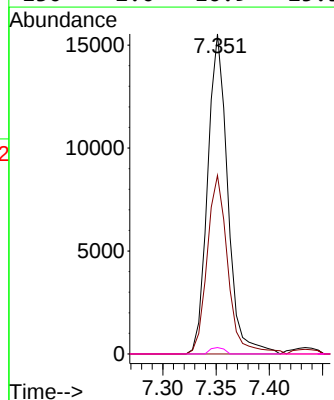
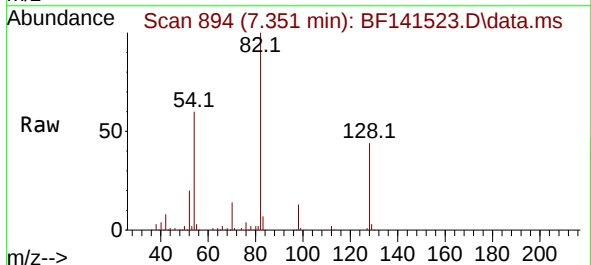
Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925

Tgt Ion: 99 Resp: 241743
Ion Ratio Lower Upper
99 100
42 24.2 19.1 28.7
71 39.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 5.040 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

Tgt Ion: 70 Resp: 20339
Ion Ratio Lower Upper
70 100
42 55.8 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#

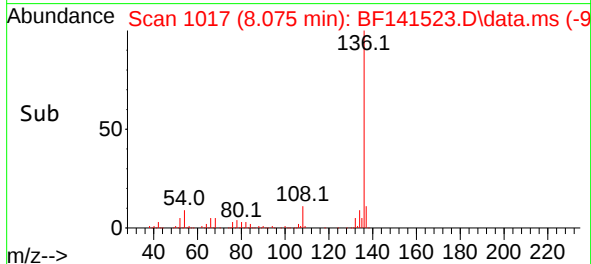
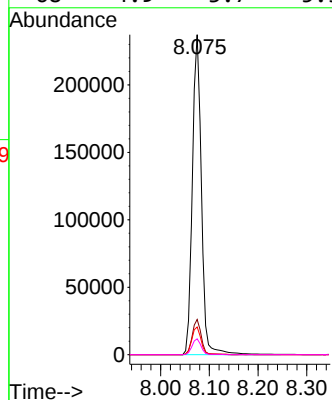
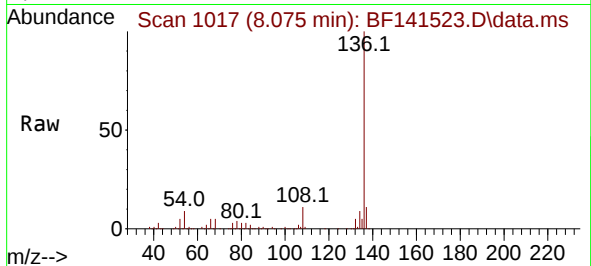




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

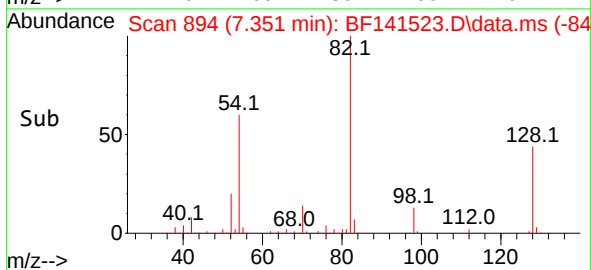
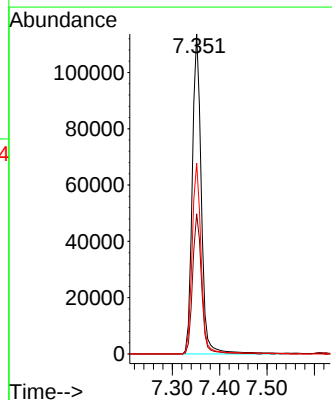
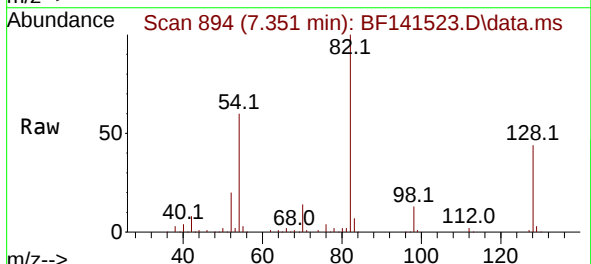
Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925

Tgt Ion:136 Resp: 306437
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.7 7.2 10.8
68 4.9 3.7 5.5



#23
Nitrobenzene-d5
Concen: 25.625 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

Tgt Ion: 82 Resp: 150550
Ion Ratio Lower Upper
82 100
128 43.8 34.8 52.2
54 59.6 48.2 72.4

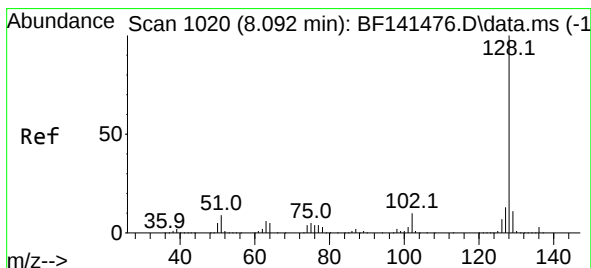
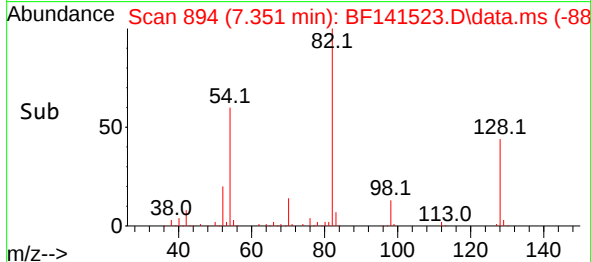
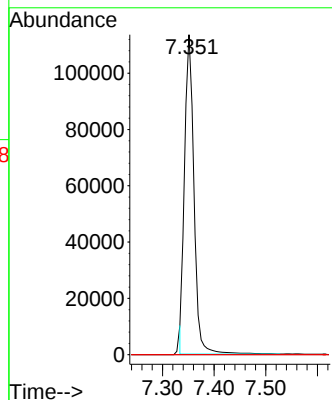
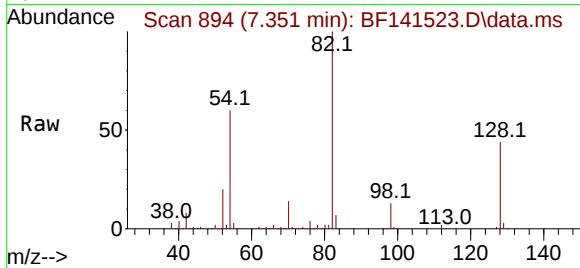




#25
Isophorone
Concen: 15.343 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

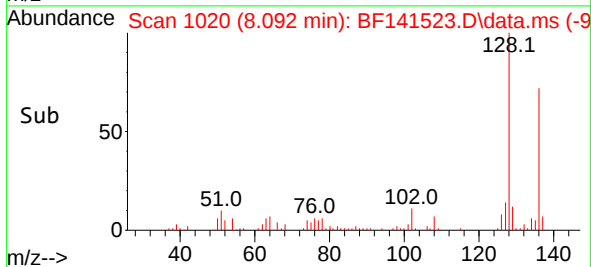
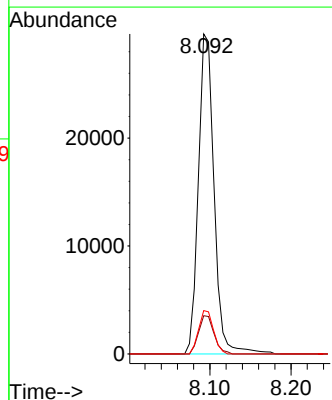
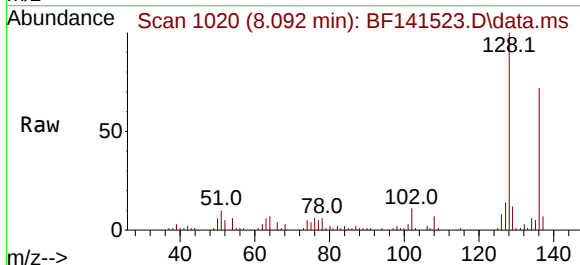
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ClientSampleId :
JPP-46.1-012925

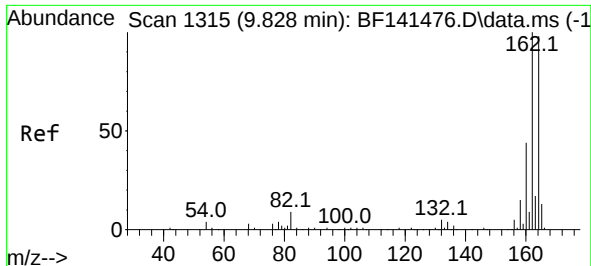
Tgt Ion: 82 Resp: 143732
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 2.506 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

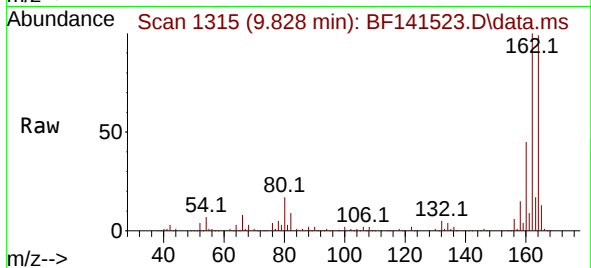
Tgt Ion: 128 Resp: 39974
Ion Ratio Lower Upper
128 100
129 12.0 8.9 13.3
127 13.6 10.7 16.1



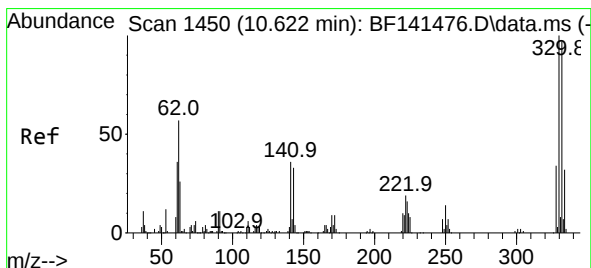
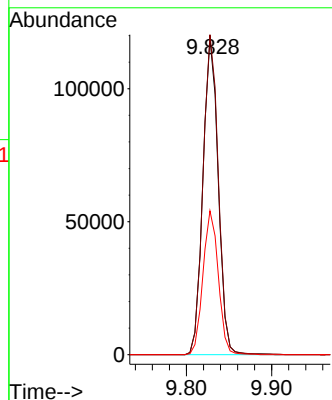
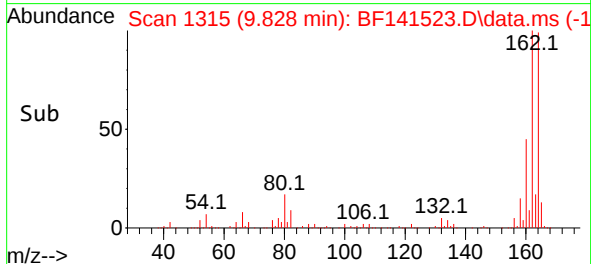


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

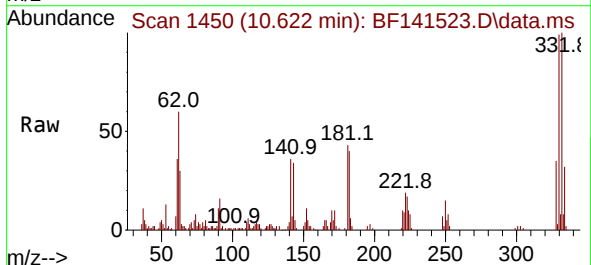
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BNA_F
ClientSampleId :
JPP-46.1-012925



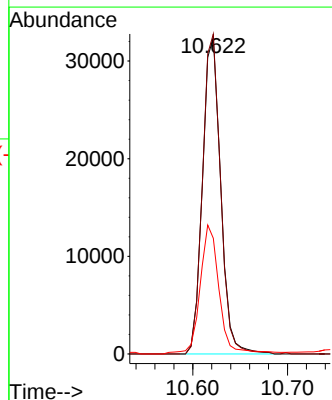
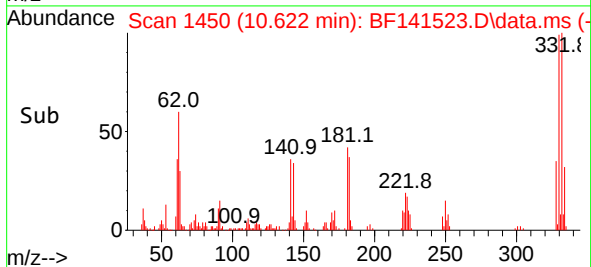
Tgt Ion:164 Resp: 148193
Ion Ratio Lower Upper
164 100
162 101.2 81.3 121.9
160 45.5 35.9 53.9

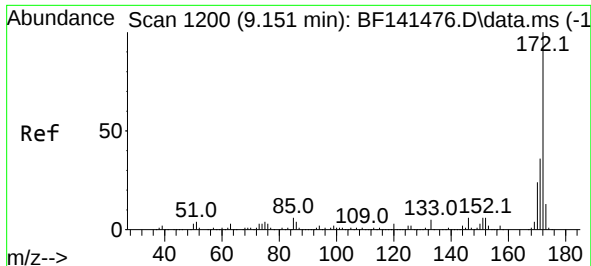


#42
2,4,6-Tribromophenol
Concen: 29.117 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07



Tgt Ion:330 Resp: 43345
Ion Ratio Lower Upper
330 100
332 99.9 78.5 117.7
141 42.7 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 29.864 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

Instrument :

BNA_F

ClientSampleId :

JPP-46.1-012925

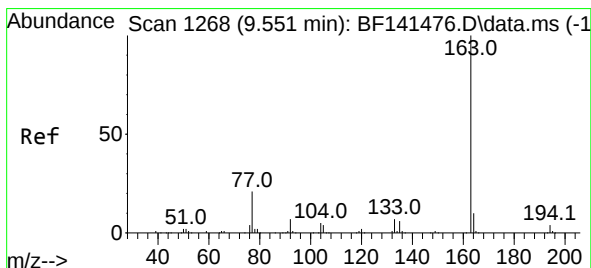
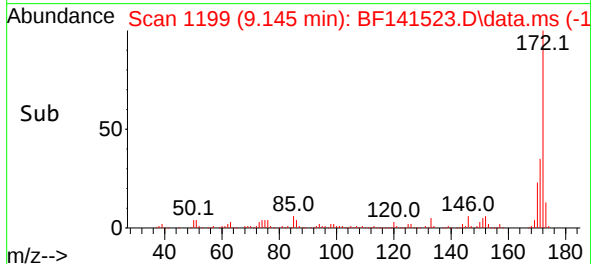
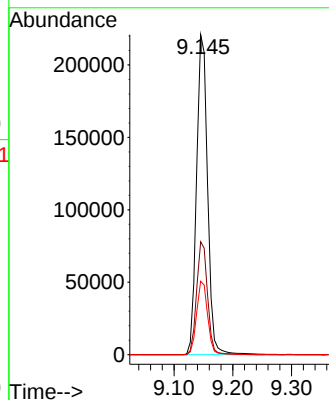
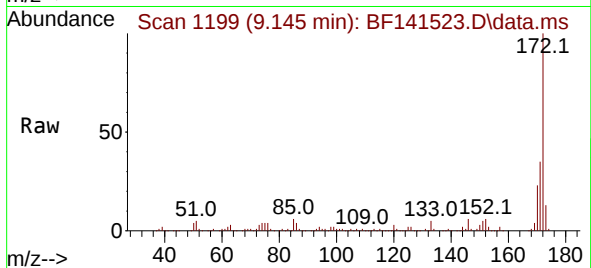
Tgt Ion:172 Resp: 287255

Ion Ratio Lower Upper

172 100

171 35.3 28.7 43.1

170 22.9 18.9 28.3



#50

Dimethylphthalate

Concen: 2.083 ng

RT: 9.828 min Scan# 1315

Delta R.T. 0.265 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

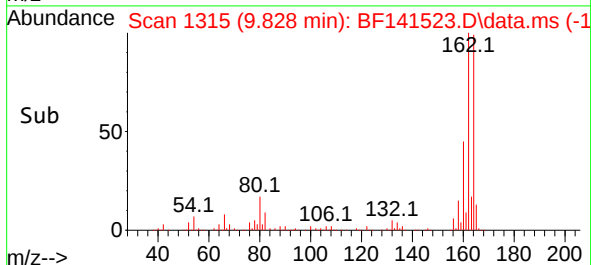
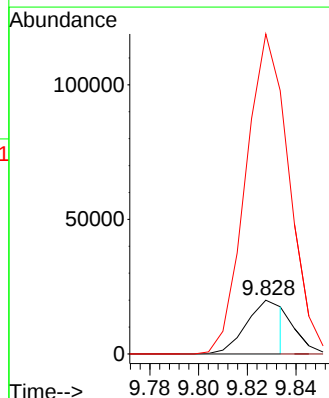
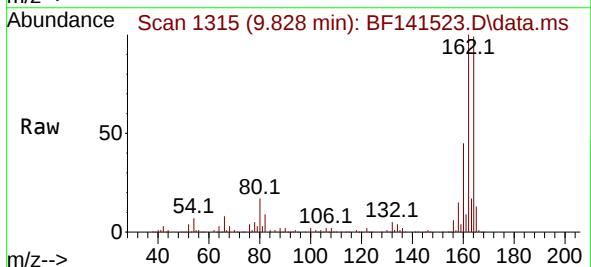
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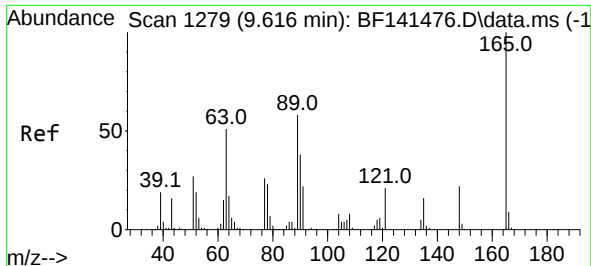
Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.4#

164 594.2 7.9 11.9#





#51

2,6-Dinitrotoluene

Concen: 8.948 ng

RT: 9.828 min Scan# 1315

Delta R.T. 0.206 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

Instrument :

BNA_F

ClientSampleId :

JPP-46.1-012925

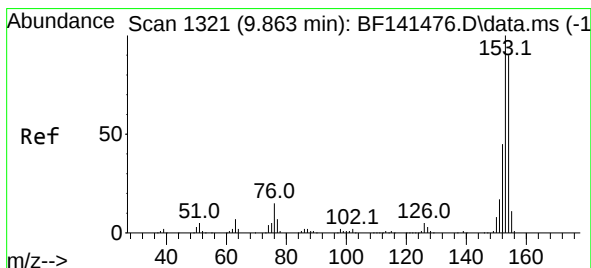
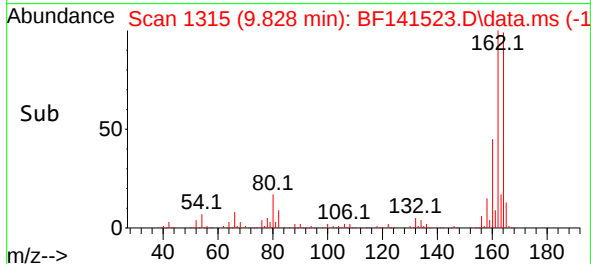
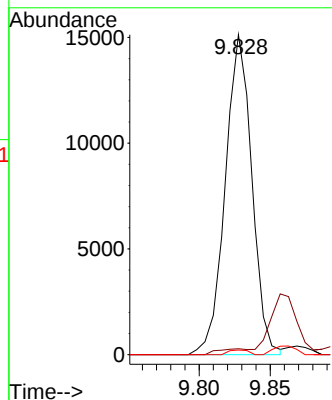
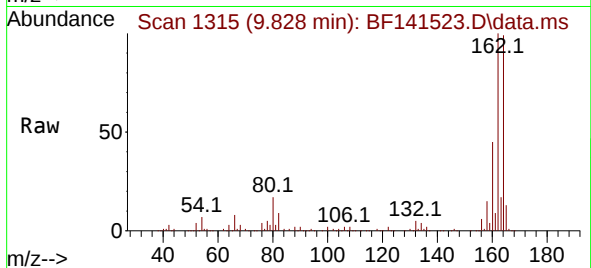
Tgt Ion:165 Resp: 19679

Ion Ratio Lower Upper

165 100

63 1.9 49.4 74.0#

89 1.5 46.5 69.7#



#52

Acenaphthene

Concen: 5.424 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

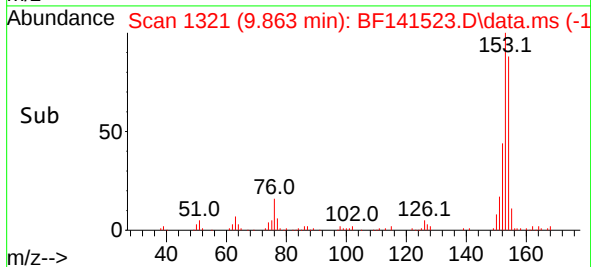
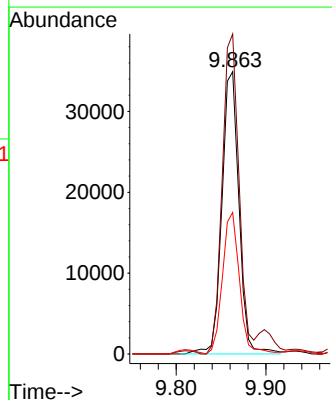
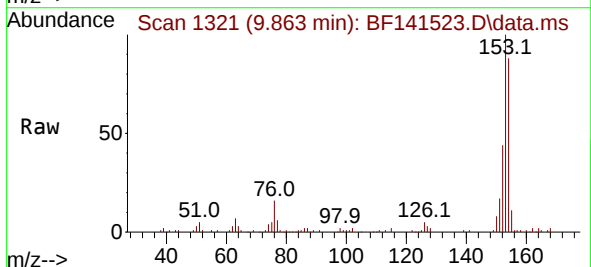
Tgt Ion:154 Resp: 46079

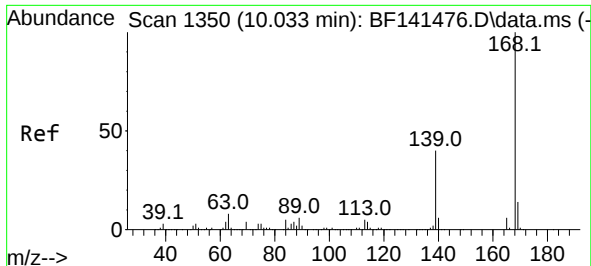
Ion Ratio Lower Upper

154 100

153 113.4 89.2 133.8

152 50.1 39.8 59.8

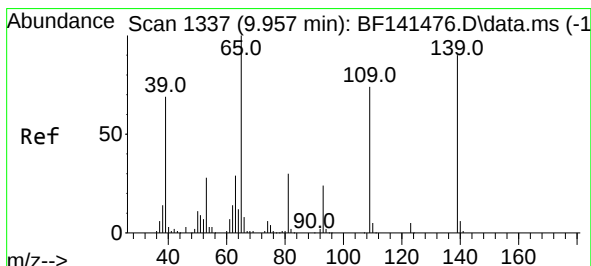
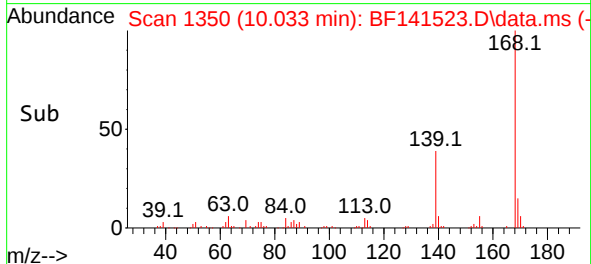
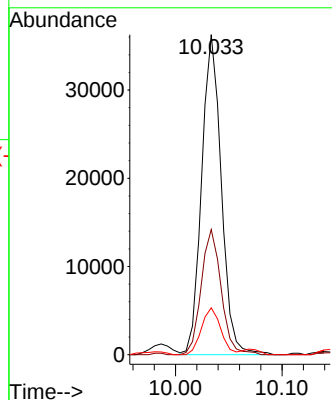
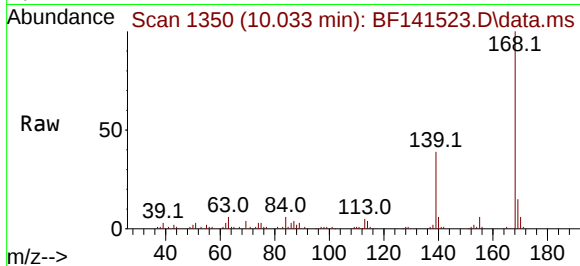




#55
Dibenzenofuran
Concen: 3.738 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

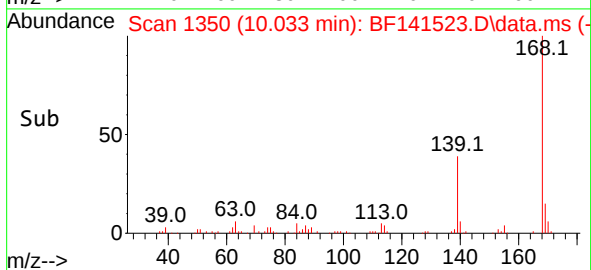
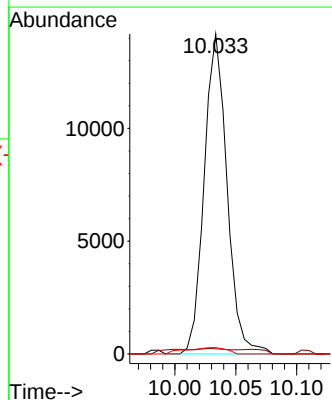
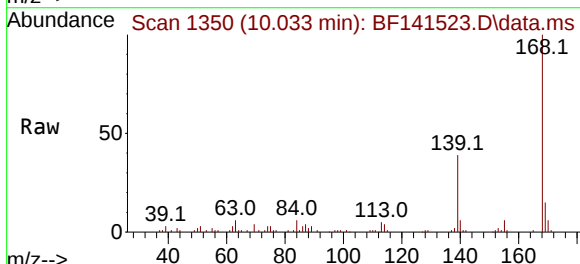
Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925

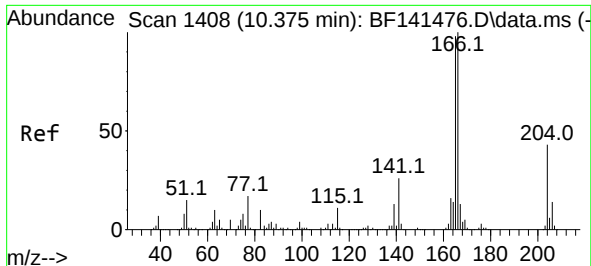
Tgt Ion:168 Resp: 46607
Ion Ratio Lower Upper
168 100
139 39.1 32.7 49.1
169 14.7 10.8 16.2



#56
4-Nitrophenol
Concen: 10.548 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.065 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

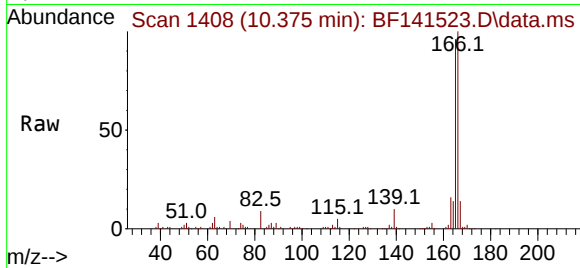
Tgt Ion:139 Resp: 18535
Ion Ratio Lower Upper
139 100
109 1.6 62.0 102.0#
65 2.0 91.2 131.2#



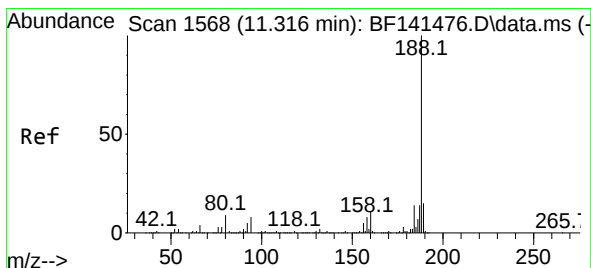
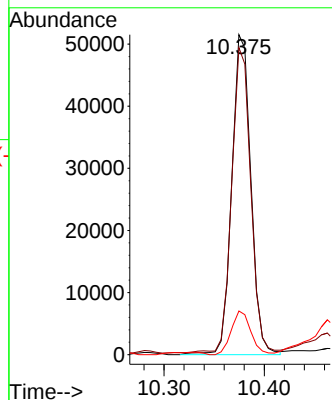
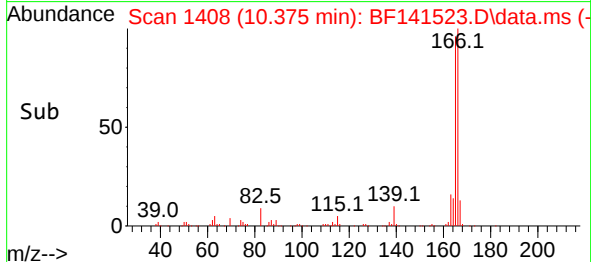


#58
 Fluorene
 Concen: 7.051 ng
 RT: 10.375 min Scan# 1408
 Delta R.T. -0.006 min
 Lab File: BF141523.D
 Acq: 07 Feb 2025 22:07

Instrument :
 BNA_F
 ClientSampleId :
 JPP-46.1-012925

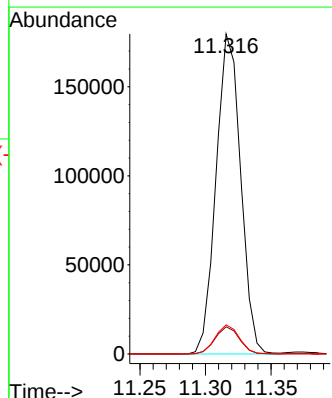
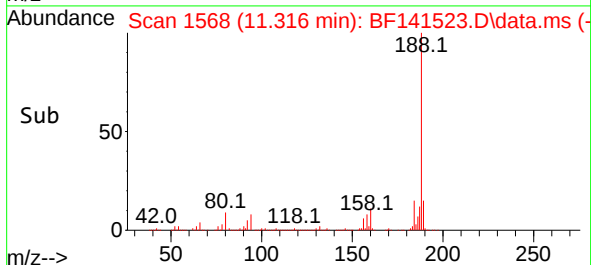
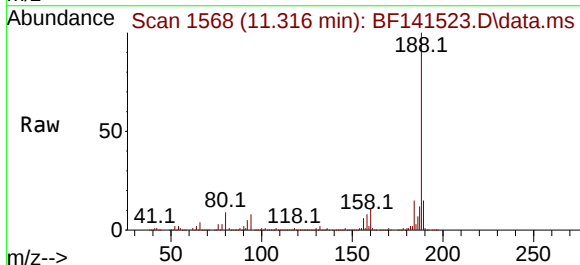


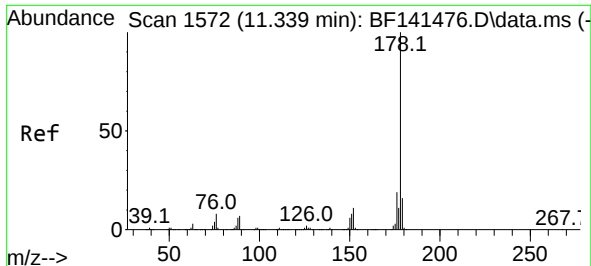
Tgt Ion:166 Resp: 67984
 Ion Ratio Lower Upper
 166 100
 165 95.9 78.2 117.2
 167 13.6 10.7 16.1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.316 min Scan# 1568
 Delta R.T. 0.000 min
 Lab File: BF141523.D
 Acq: 07 Feb 2025 22:07

Tgt Ion:188 Resp: 233826
 Ion Ratio Lower Upper
 188 100
 94 8.5 6.6 10.0
 80 9.1 7.3 10.9

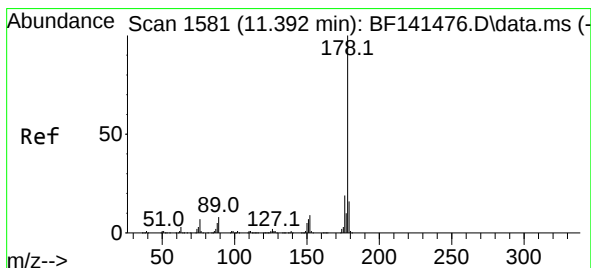
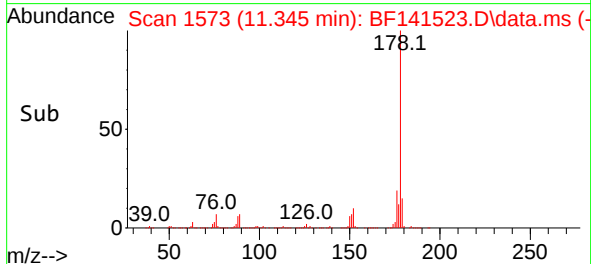
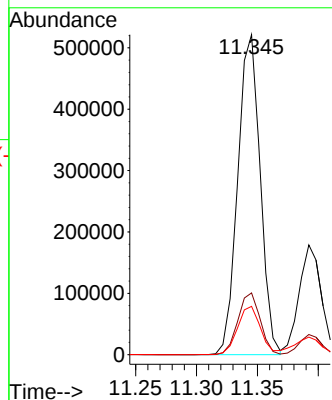
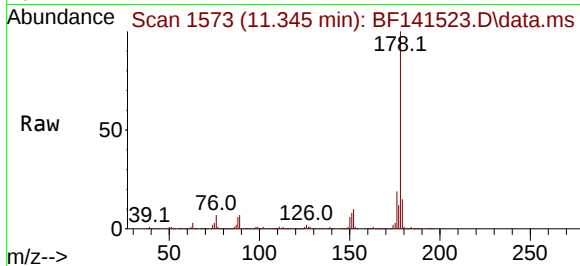




#71
Phenanthrene
Concen: 51.993 ng
RT: 11.345 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

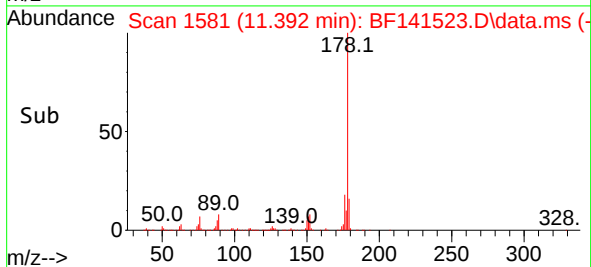
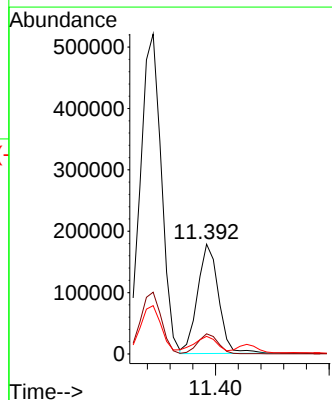
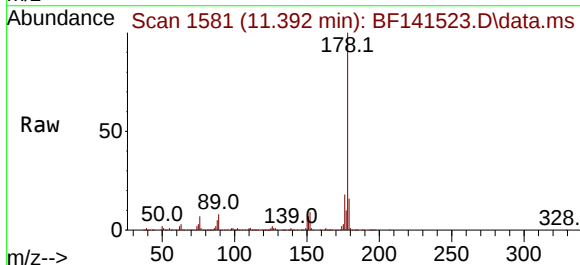
Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925

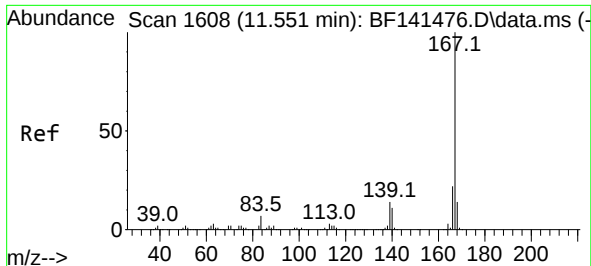
Tgt Ion:178 Resp: 669208
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.1 12.4 18.6



#72
Anthracene
Concen: 17.704 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

Tgt Ion:178 Resp: 229061
Ion Ratio Lower Upper
178 100
176 18.4 14.8 22.2
179 16.0 12.4 18.6

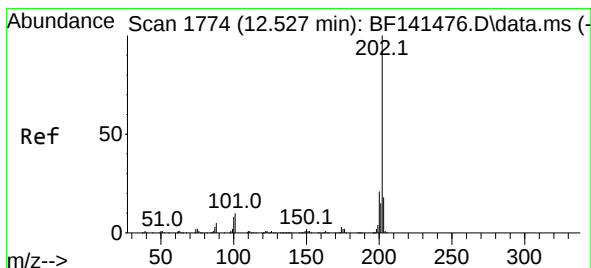
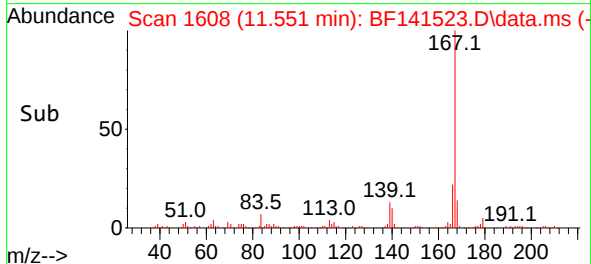
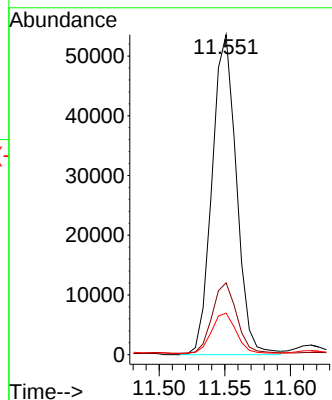
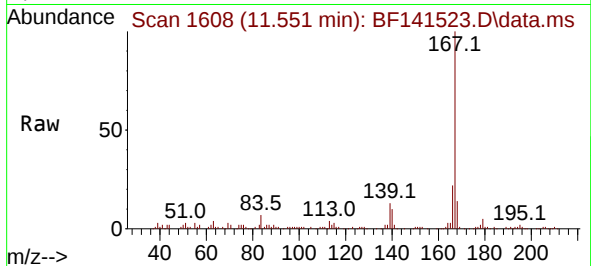




#73
 Carbazole
 Concen: 5.950 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. 0.000 min
 Lab File: BF141523.D
 Acq: 07 Feb 2025 22:07

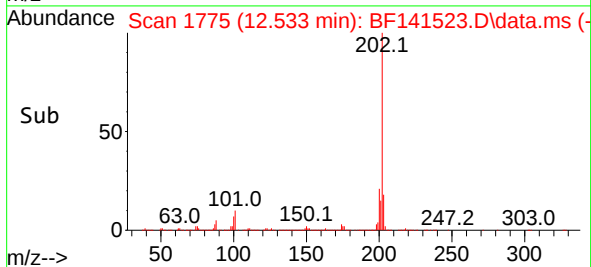
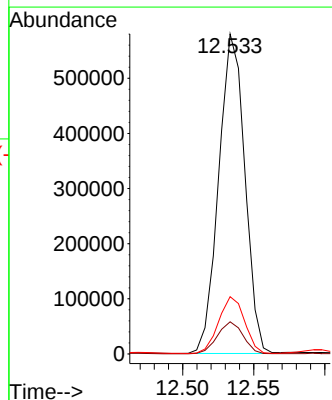
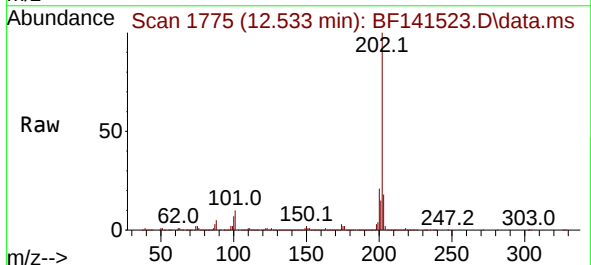
Instrument :
 BNA_F
 ClientSampleId :
 JPP-46.1-012925

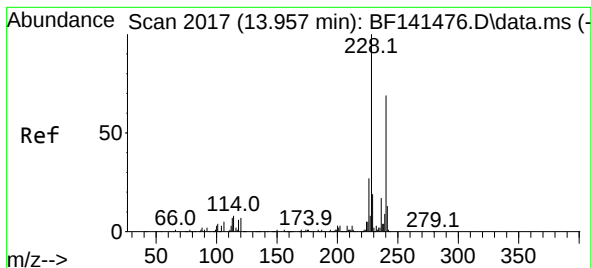
Tgt Ion:167 Resp: 69266
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.4 26.2
 139 13.0 10.9 16.3



#75
 Fluoranthene
 Concen: 54.353 ng
 RT: 12.533 min Scan# 1775
 Delta R.T. 0.000 min
 Lab File: BF141523.D
 Acq: 07 Feb 2025 22:07

Tgt Ion:202 Resp: 741690
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 30.2
 203 17.9 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: BF141523.D

Acq: 07 Feb 2025 22:07

Instrument :

BNA_F

ClientSampleId :

JPP-46.1-012925

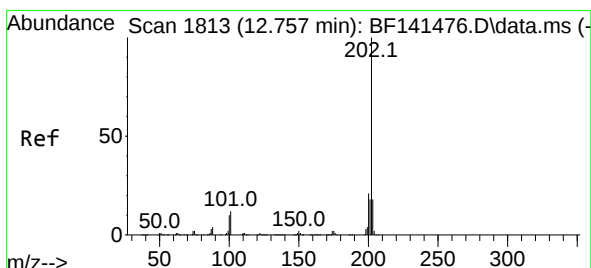
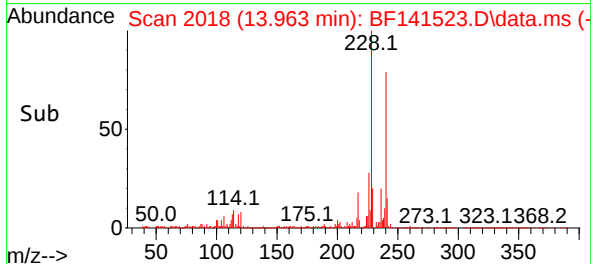
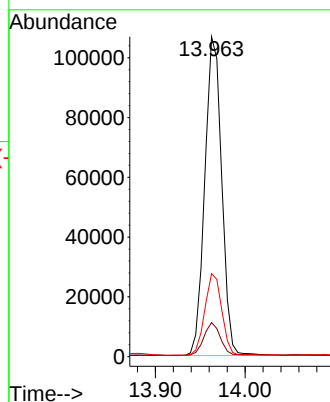
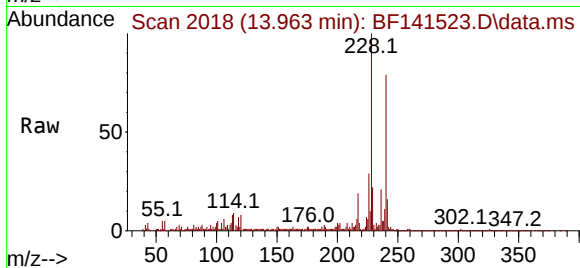
Tgt Ion:240 Resp: 140011

Ion Ratio Lower Upper

240 100

120 10.7 8.0 12.0

236 25.9 19.8 29.8



#78

Pyrene

Concen: 52.364 ng

RT: 12.763 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

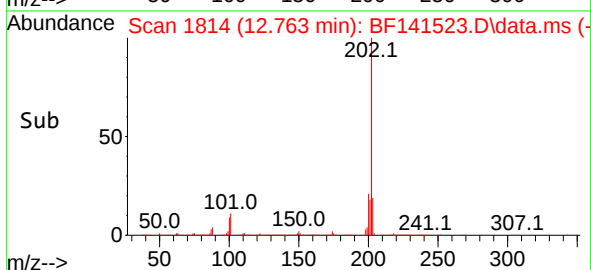
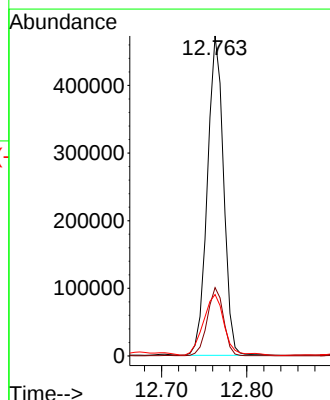
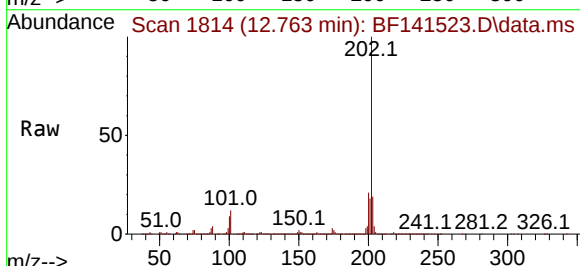
Tgt Ion:202 Resp: 624112

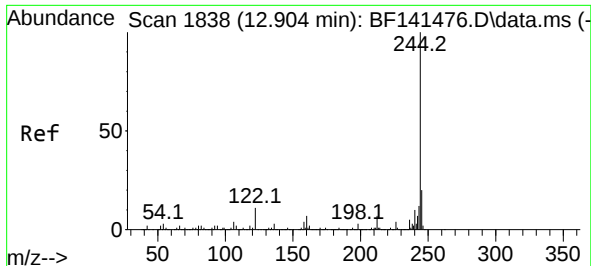
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

203 19.2 14.3 21.5

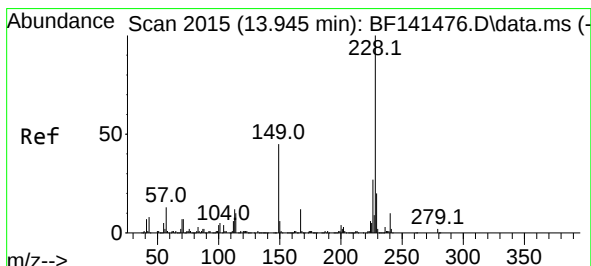
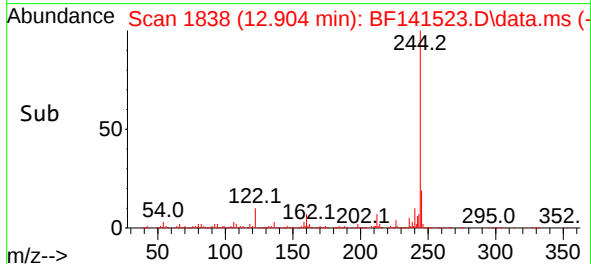
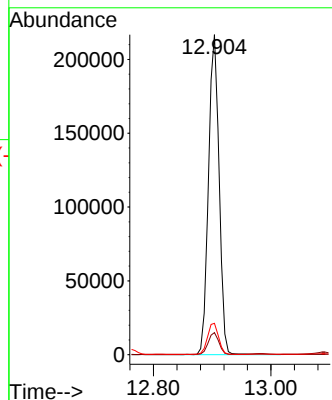
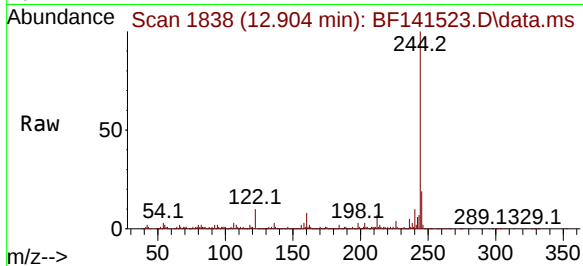




#79
 Terphenyl-d14
 Concen: 32.758 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: BF141523.D
 Acq: 07 Feb 2025 22:07

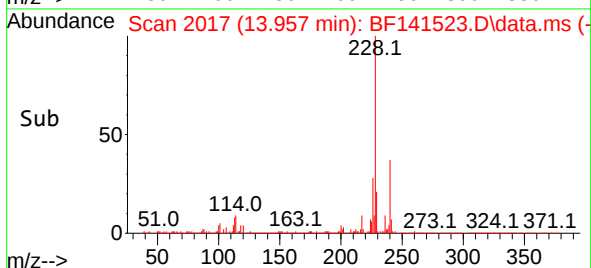
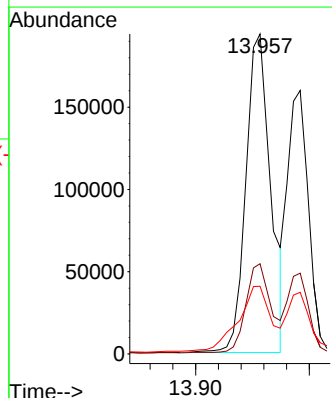
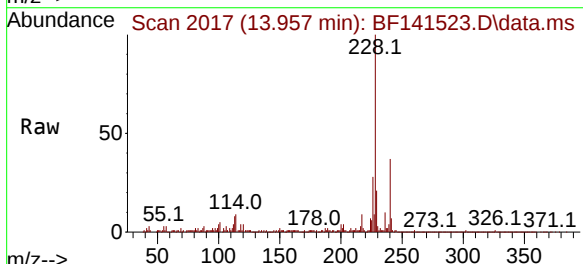
Instrument :
 BNA_F
 ClientSampleId :
 JPP-46.1-012925

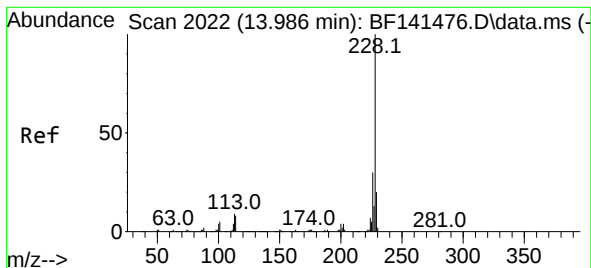
Tgt Ion:244 Resp: 271687
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 9.8 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 31.494 ng
 RT: 13.957 min Scan# 2017
 Delta R.T. 0.006 min
 Lab File: BF141523.D
 Acq: 07 Feb 2025 22:07

Tgt Ion:228 Resp: 293119
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.8 32.8
 229 21.2 15.8 23.6





#83

Chrysene

Concen: 23.662 ng

RT: 13.992 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

Instrument :

BNA_F

ClientSampleId :

JPP-46.1-012925

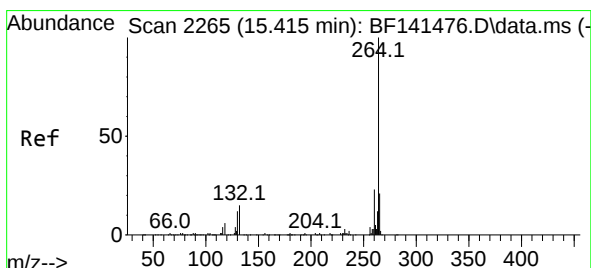
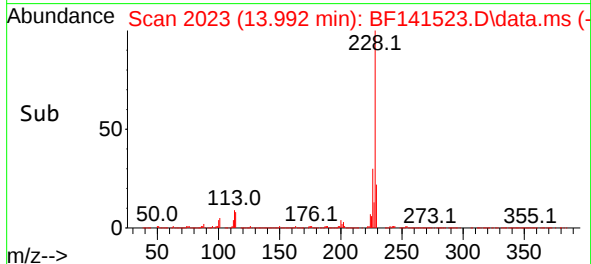
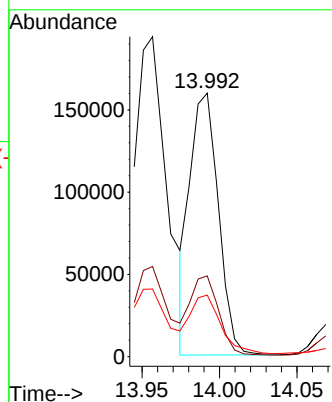
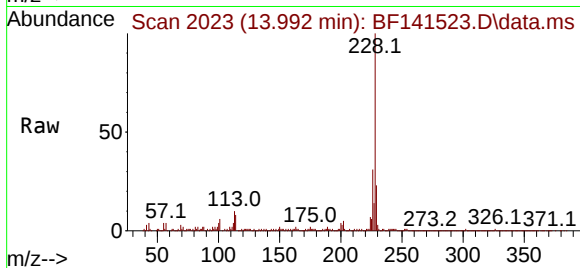
Tgt Ion:228 Resp: 203345

Ion Ratio Lower Upper

228 100

226 30.7 24.0 36.0

229 23.4 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2268

Delta R.T. 0.018 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

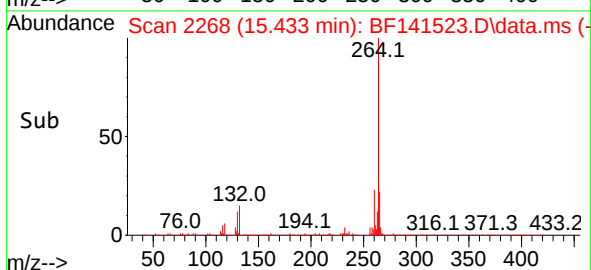
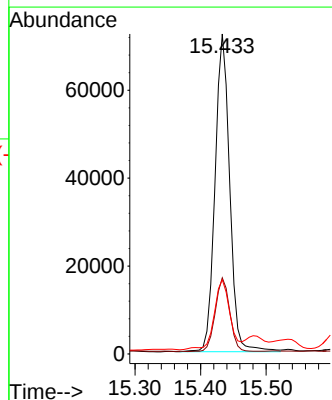
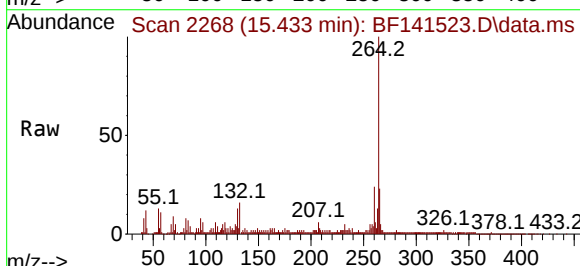
Tgt Ion:264 Resp: 112168

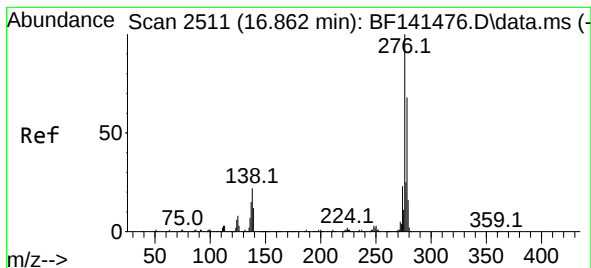
Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 23.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.782 ng

RT: 16.880 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

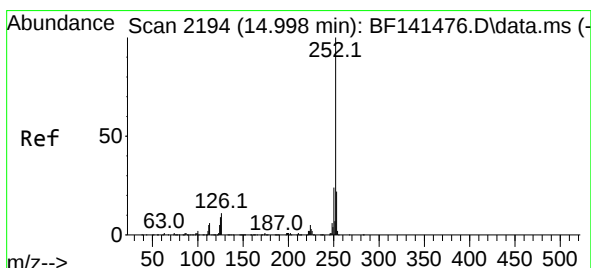
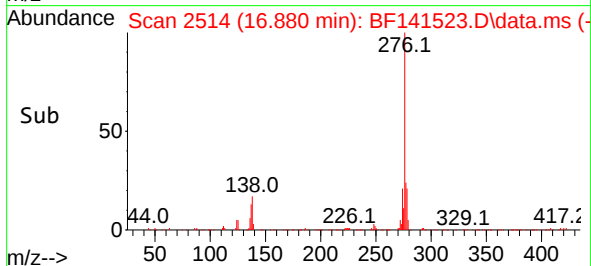
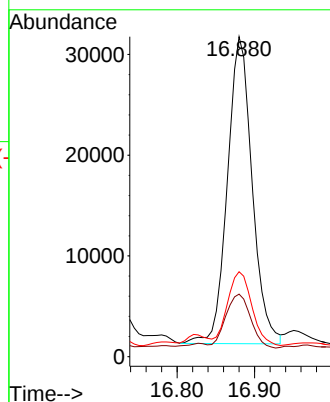
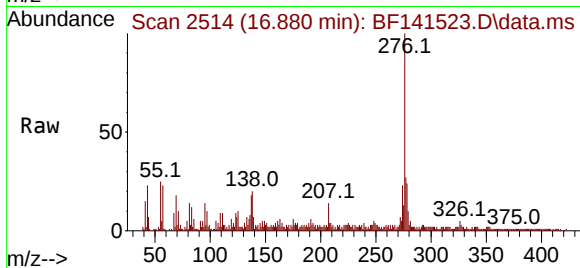
Instrument :

BNA_F

ClientSampleId :

JPP-46.1-012925

Tgt Ion:	276	Resp:	67796
Ion Ratio	Lower	Upper	
276	100		
138	17.7	18.0	27.0#
277	23.9	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 36.582 ng

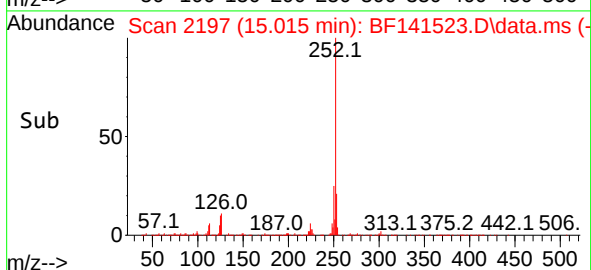
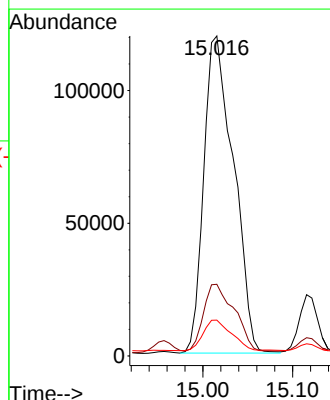
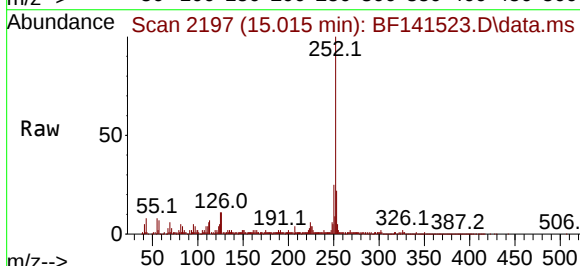
RT: 15.015 min Scan# 2197

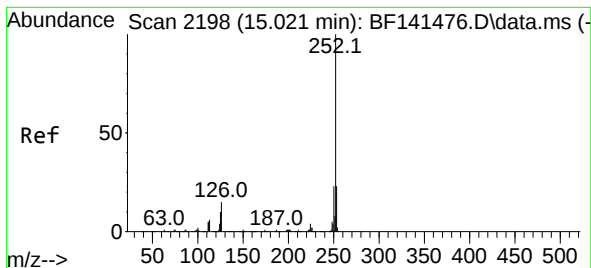
Delta R.T. 0.012 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

Tgt Ion:	252	Resp:	275521
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.5	26.3
125	11.2	7.0	10.6#





#89

Benzo(k)fluoranthene

Concen: 42.841 ng

RT: 15.015 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

Instrument :

BNA_F

ClientSampleId :

JPP-46.1-012925

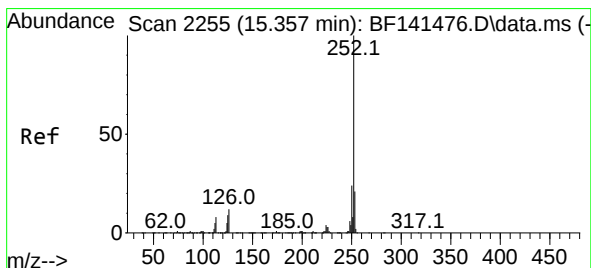
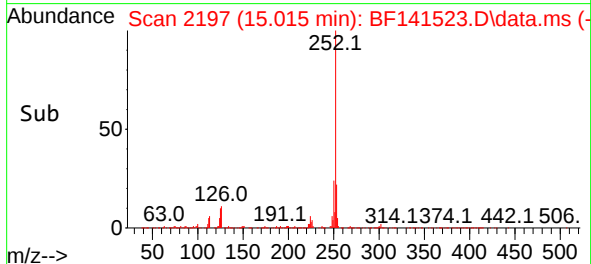
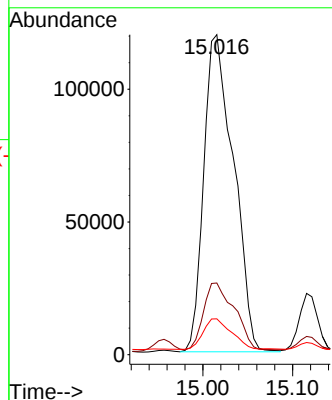
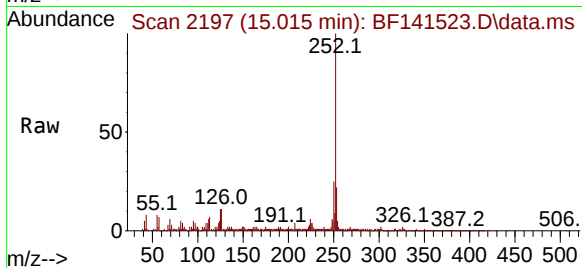
Tgt Ion:252 Resp: 275521

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

125 11.2 7.4 11.0#



#90

Benzo(a)pyrene

Concen: 24.052 ng

RT: 15.368 min Scan# 2257

Delta R.T. 0.006 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

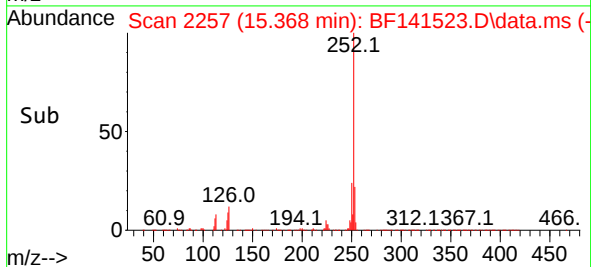
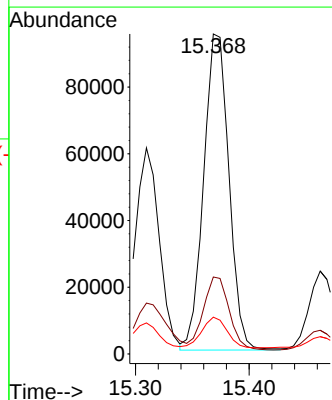
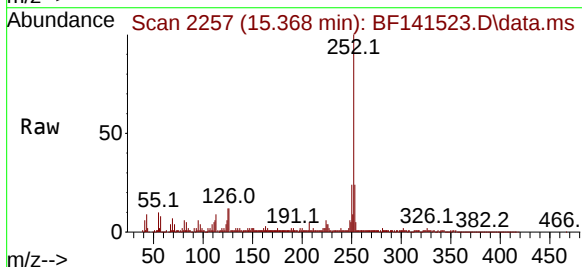
Tgt Ion:252 Resp: 146577

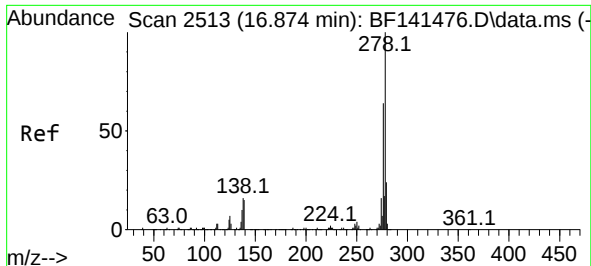
Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

125 11.5 7.4 11.2#

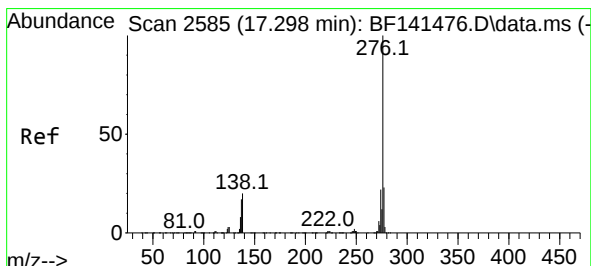
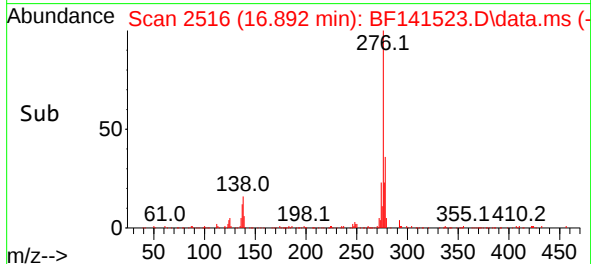
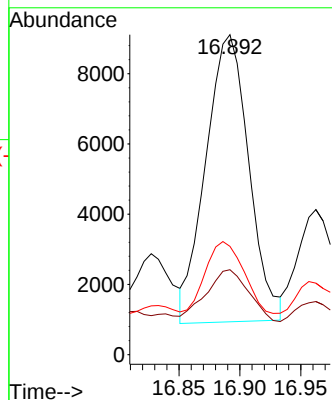
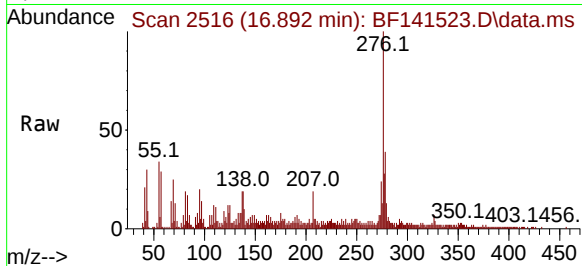




#91
Dibenzo(a,h)anthracene
Concen: 3.583 ng
RT: 16.892 min Scan# 2513
Delta R.T. 0.000 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925

Tgt Ion:278 Resp: 20121
Ion Ratio Lower Upper
278 100
139 26.6 11.8 17.6#
279 33.9 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 10.730 ng
RT: 17.315 min Scan# 2588
Delta R.T. 0.000 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

Tgt Ion:276 Resp: 63057
Ion Ratio Lower Upper
276 100
277 25.8 18.6 28.0
138 23.1 15.9 23.9

