

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141516.D
 Acq On : 07 Feb 2025 19:02
 Operator : RC/JU
 Sample : Q1216-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-21.1-012825

Quant Time: Feb 07 22:25:25 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)

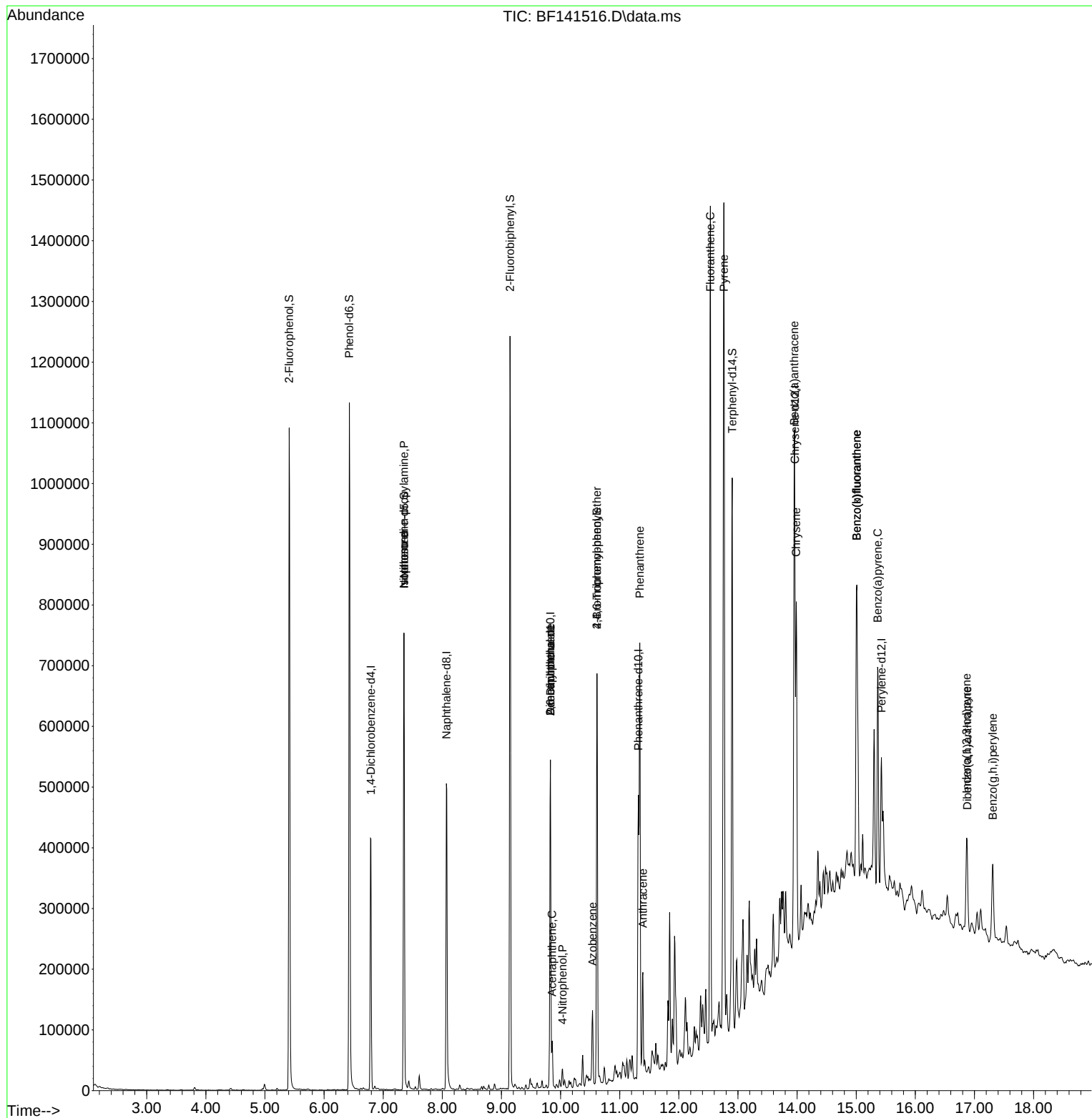
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	86290	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	329638	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	156807	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	228703	20.000	ng	0.00
76) Chrysene-d12	13.963	240	157412	20.000	ng	0.00
86) Perylene-d12	15.427	264	120991	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	400166	72.703	ng	0.00
7) Phenol-d6	6.428	99	485966	69.856	ng	-0.01
23) Nitrobenzene-d5	7.351	82	314467	49.758	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	98339	62.430	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	527403	51.818	ng	0.00
79) Terphenyl-d14	12.904	244	432159	46.347	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	42822	10.291	ng	# 77
25) Isophorone	7.351	82	307491	30.514	ng	# 66
50) Dimethylphthalate	9.828	163	23865	2.242	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	20802	8.939	ng	# 22
52) Acenaphthene	9.857	154	22824	2.539	ng	99
56) 4-Nitrophenol	10.033	139	5027	2.704	ng	# 7
63) Azobenzene	10.539	77	26726	2.567	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	6882	2.692	ng	# 1
71) Phenanthrene	11.339	178	372594	29.597	ng	100
72) Anthracene	11.392	178	100278	7.924	ng	99
75) Fluoranthene	12.533	202	784240	58.758	ng	100
78) Pyrene	12.763	202	805487	60.111	ng	99
81) Benzo(a)anthracene	13.951	228	372538	35.603	ng	98
83) Chrysene	13.986	228	301853	31.242	ng	98
87) Indeno(1,2,3-cd)pyrene	16.868	276	120330	16.096	ng	95
88) Benzo(b)fluoranthene	15.010	252	415281	51.118	ng	# 97
89) Benzo(k)fluoranthene	15.010	252	415281	59.864	ng	98
90) Benzo(a)pyrene	15.362	252	226878	34.513	ng	96
91) Dibenzo(a,h)anthracene	16.880	278	30455	5.028	ng	# 89
92) Benzo(g,h,i)perylene	17.309	276	118385	18.675	ng	97

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

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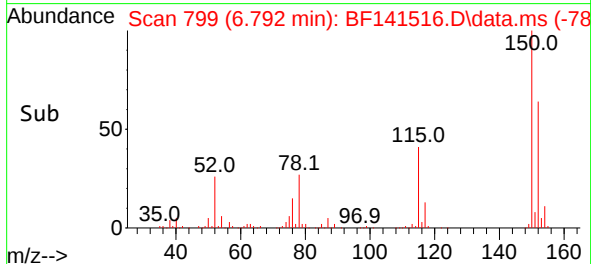
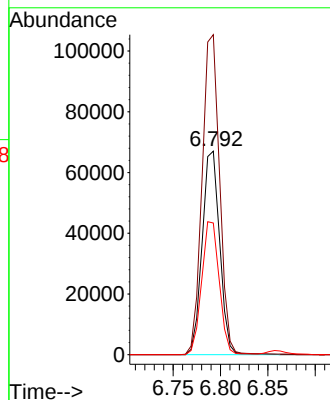
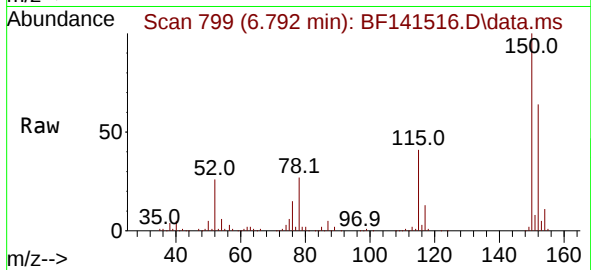




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

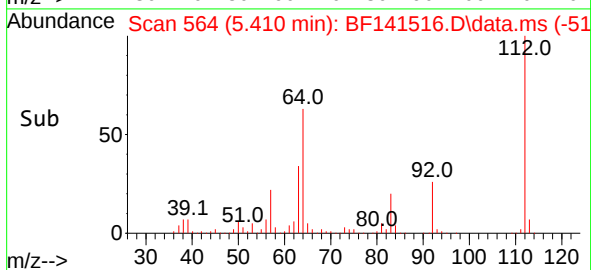
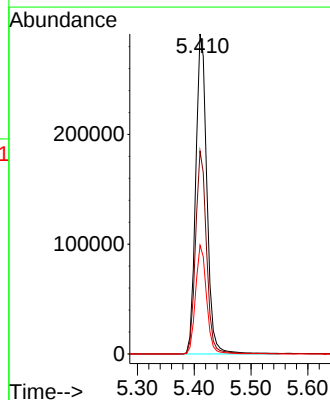
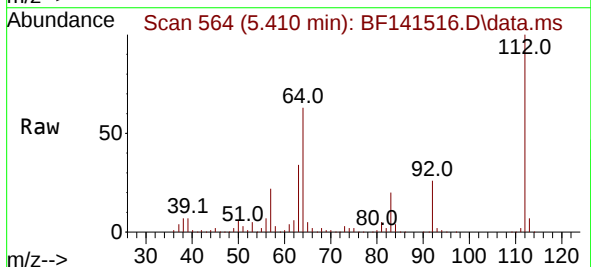
Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825

Tgt Ion:152 Resp: 86290
Ion Ratio Lower Upper
152 100
150 157.2 125.0 187.4
115 64.7 53.6 80.4



#5
2-Fluorophenol
Concen: 72.703 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:112 Resp: 400166
Ion Ratio Lower Upper
112 100
64 63.4 51.1 76.7
63 34.0 28.4 42.6

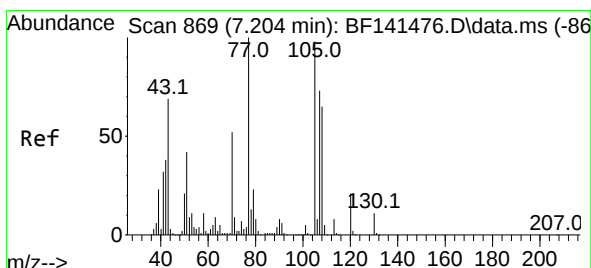
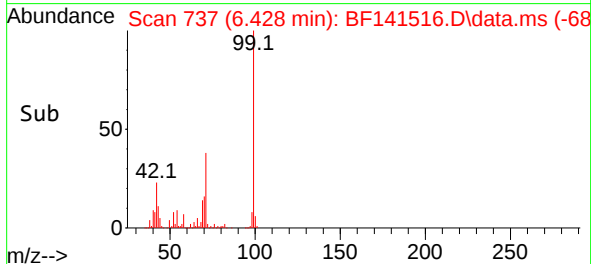
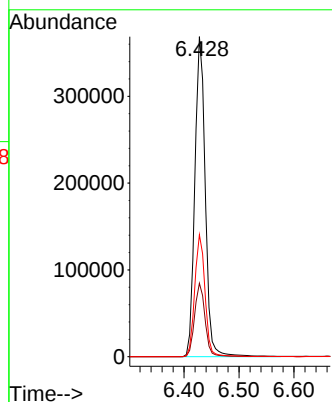
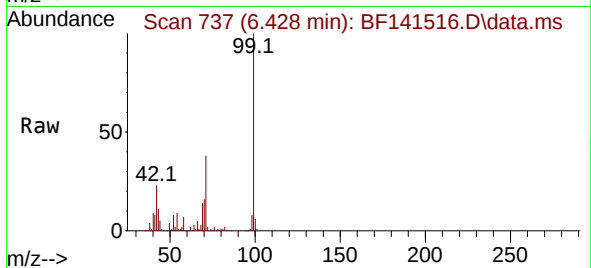




#7
Phenol-d6
Concen: 69.856 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

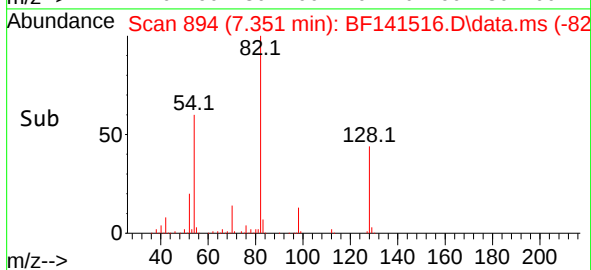
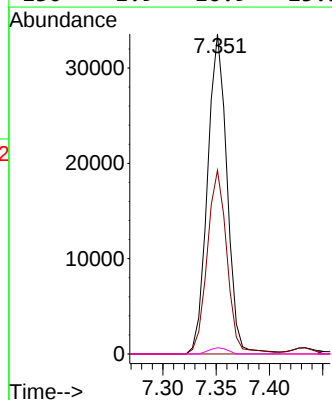
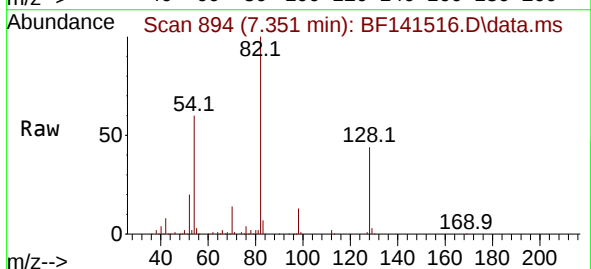
Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825

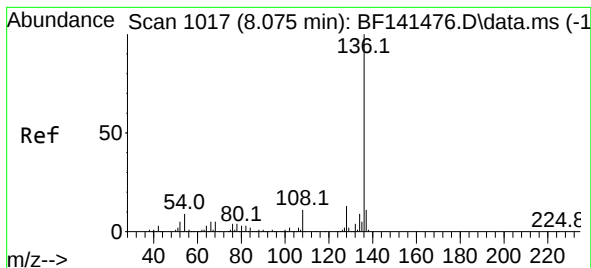
Tgt Ion: 99 Resp: 485966
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 38.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.291 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion: 70 Resp: 42822
Ion Ratio Lower Upper
70 100
42 57.4 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: 8.069 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF141516.D

Acq: 07 Feb 2025 19:02

Instrument :

BNA_F

ClientSampleId :

JPP-21.1-012825

Tgt Ion:136 Resp: 329638

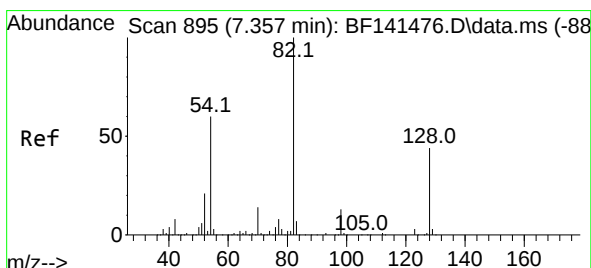
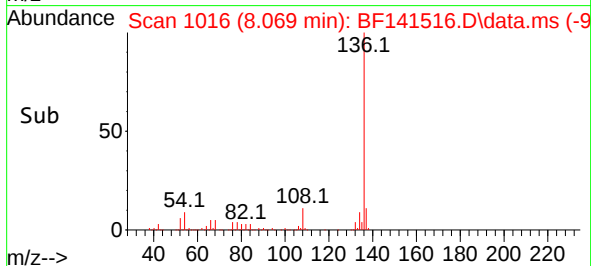
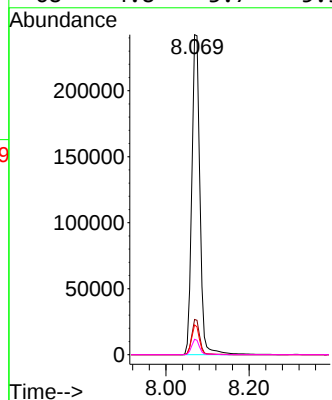
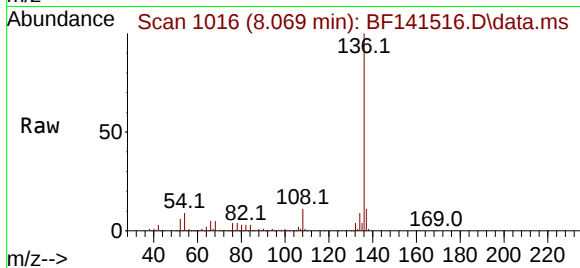
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.3 7.2 10.8

68 4.8 3.7 5.5



#23

Nitrobenzene-d5

Concen: 49.758 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141516.D

Acq: 07 Feb 2025 19:02

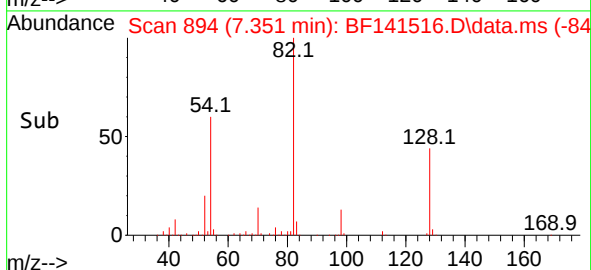
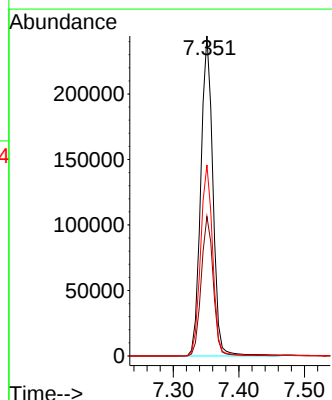
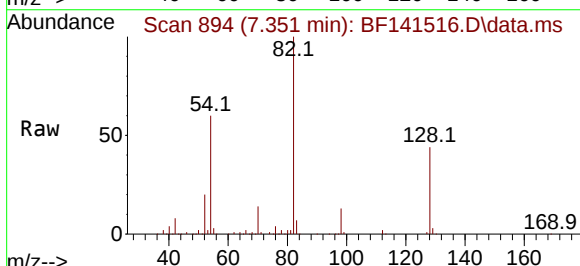
Tgt Ion: 82 Resp: 314467

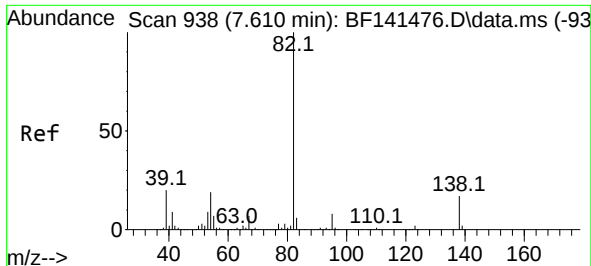
Ion Ratio Lower Upper

82 100

128 43.6 34.8 52.2

54 59.7 48.2 72.4

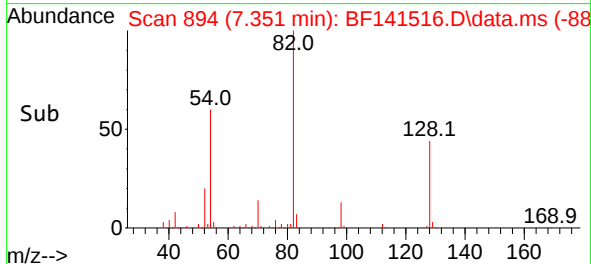
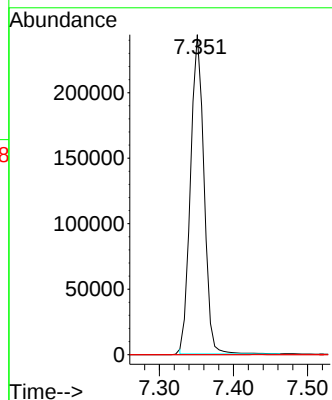
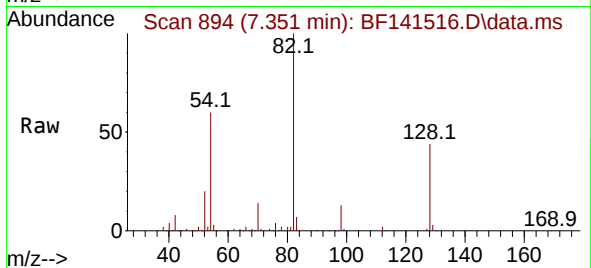




#25
Isophorone
Concen: 30.514 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

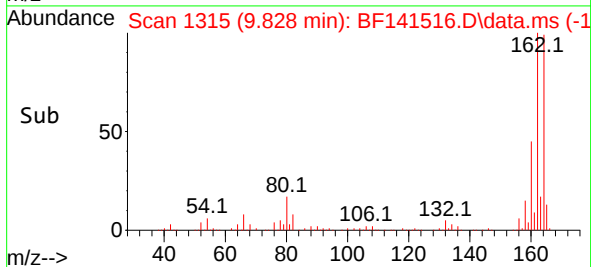
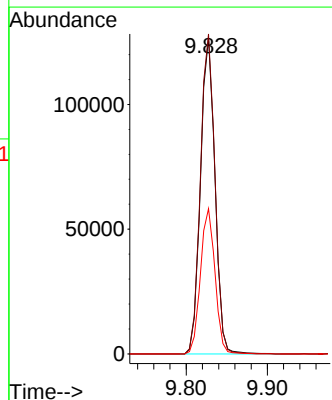
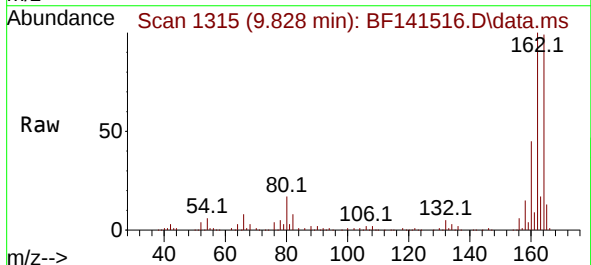
Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825

Tgt Ion: 82 Resp: 307491
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

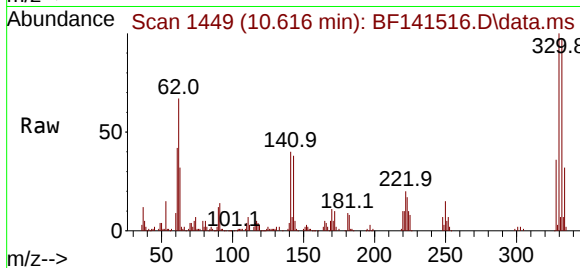
Tgt Ion:164 Resp: 156807
Ion Ratio Lower Upper
164 100
162 101.4 81.3 121.9
160 46.0 35.9 53.9



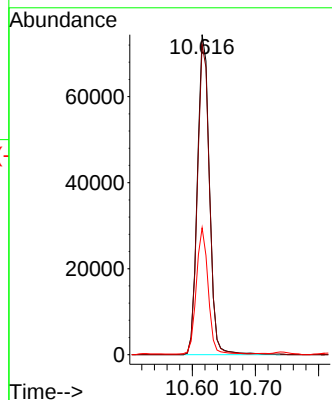
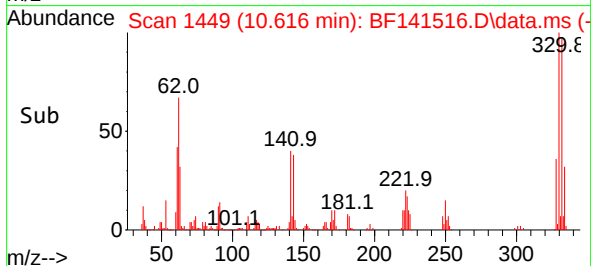


#42
2,4,6-Tribromophenol
Concen: 62.430 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

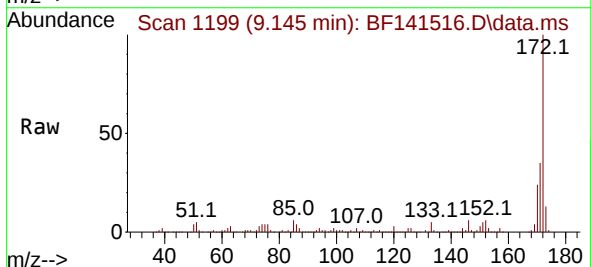
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BNA_F
ClientSampleId :
JPP-21.1-012825



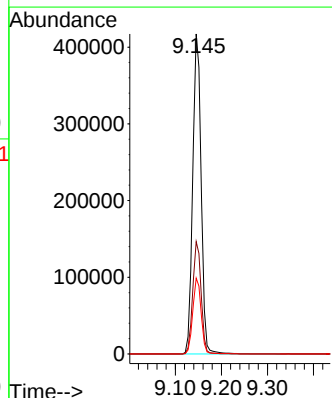
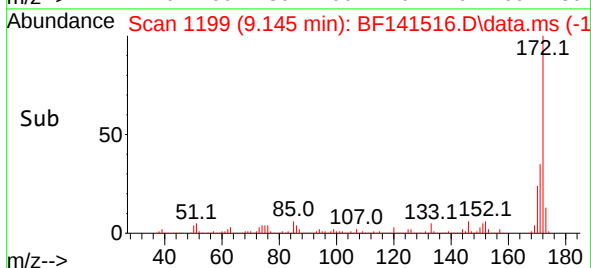
Tgt Ion:330 Resp: 98339
Ion Ratio Lower Upper
330 100
332 97.4 78.5 117.7
141 38.4 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 51.818 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02



Tgt Ion:172 Resp: 527403
Ion Ratio Lower Upper
172 100
171 35.1 28.7 43.1
170 23.7 18.9 28.3

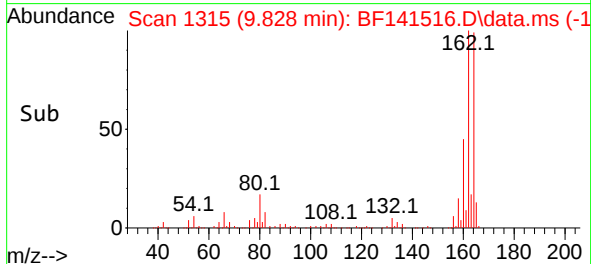
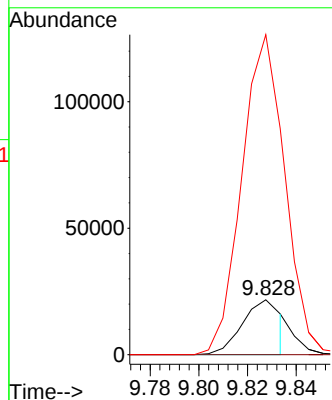
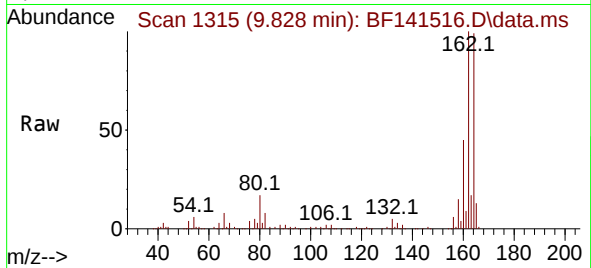




#50
Dimethylphthalate
Concen: 2.242 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

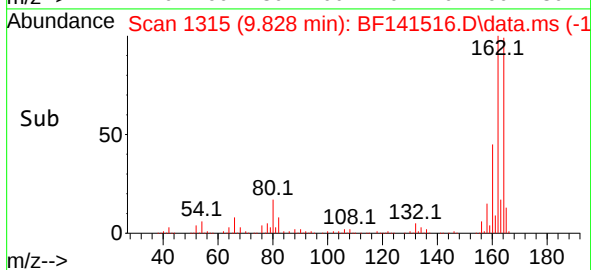
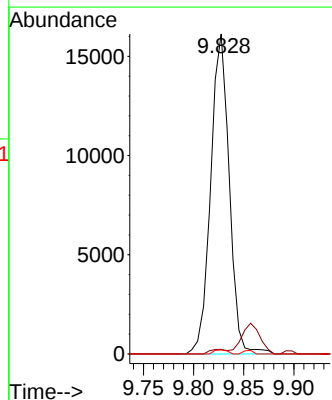
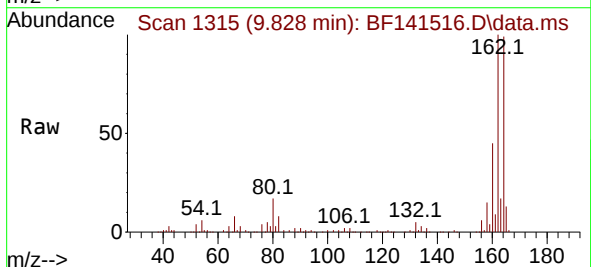
Instrument :
BNA_F
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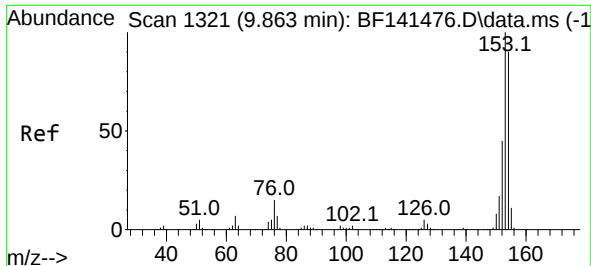
Tgt Ion:163 Resp: 23865
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 583.1 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.939 ng
RT: 9.828 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:165 Resp: 20802
Ion Ratio Lower Upper
165 100
63 1.4 49.4 74.0#
89 1.3 46.5 69.7#

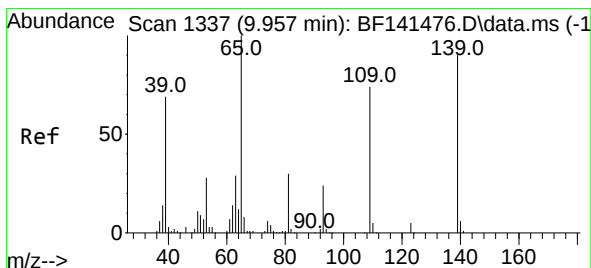
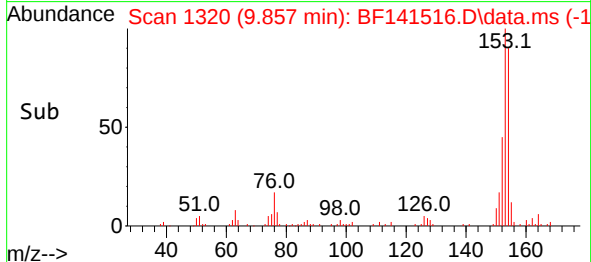
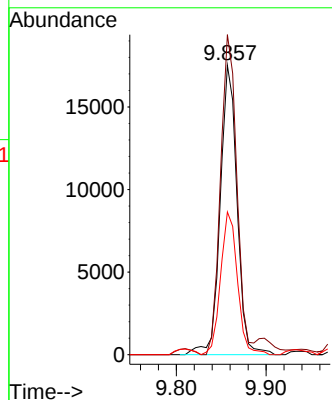
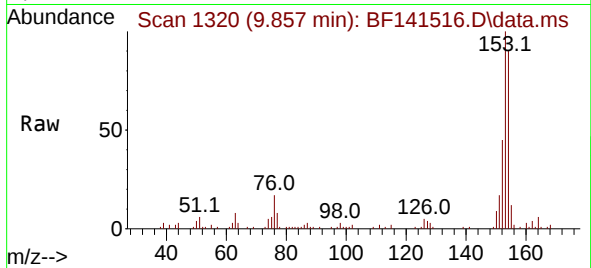




#52
Acenaphthene
Concen: 2.539 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

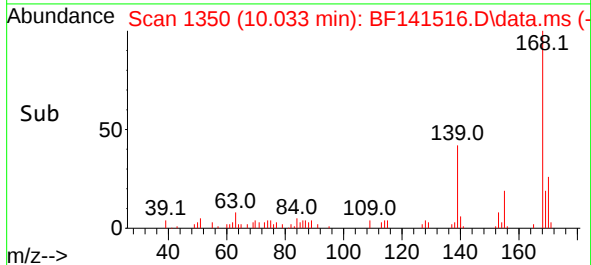
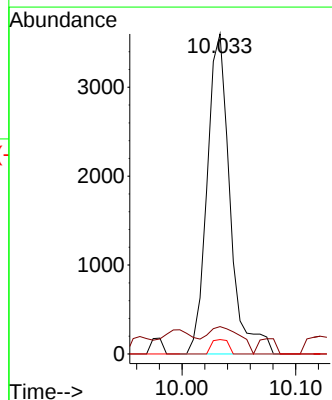
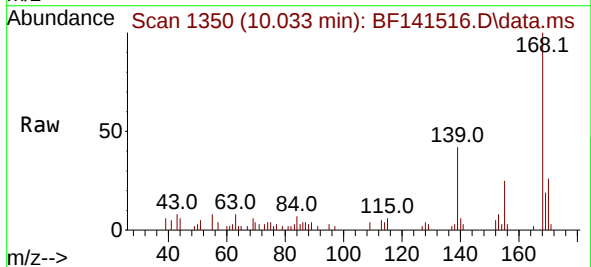
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BNA_F
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JPP-21.1-012825

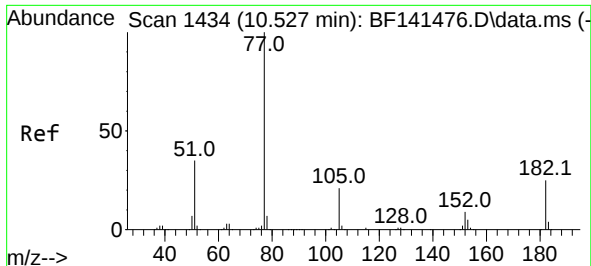
Tgt Ion:154 Resp: 22824
Ion Ratio Lower Upper
154 100
153 110.6 89.2 133.8
152 49.3 39.8 59.8



#56
4-Nitrophenol
Concen: 2.704 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.065 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:139 Resp: 5027
Ion Ratio Lower Upper
139 100
109 8.6 62.0 102.0#
65 4.5 91.2 131.2#

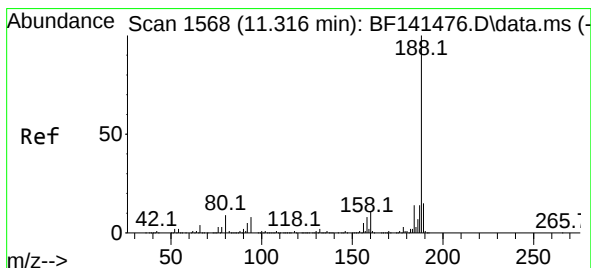
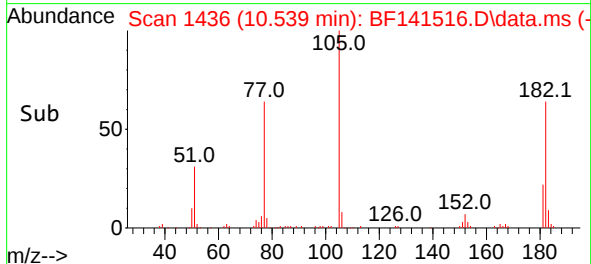
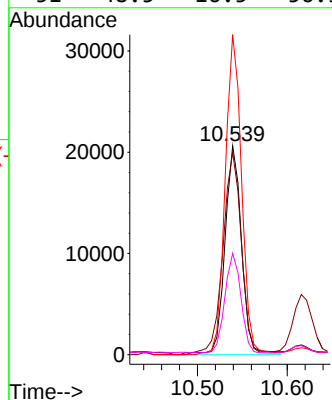
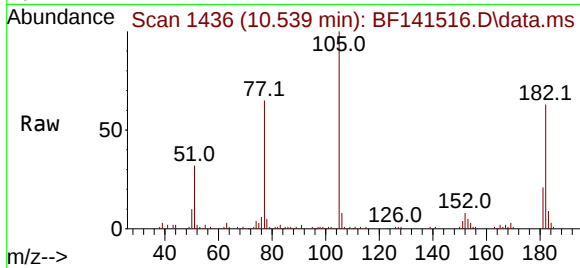




#63
Azobenzene
Concen: 2.567 ng
RT: 10.539 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

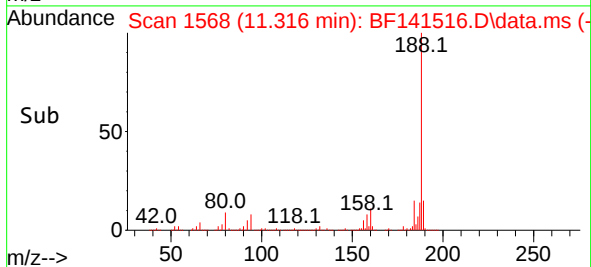
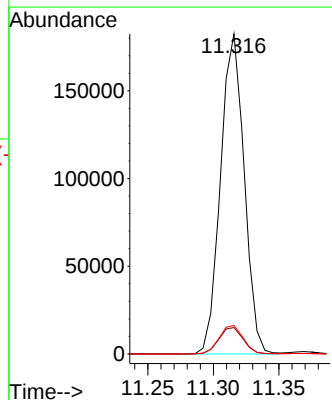
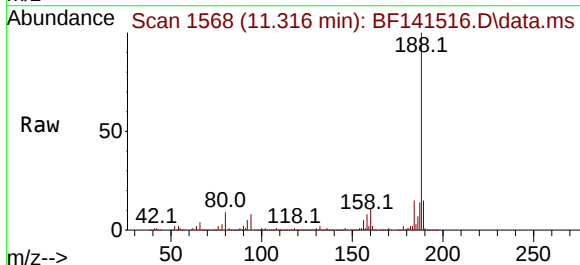
Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825

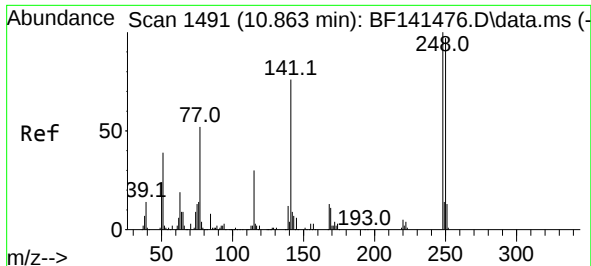
Tgt Ion: 77 Resp: 26726
Ion Ratio Lower Upper
77 100
182 96.9 4.7 44.7#
105 153.3 0.4 40.4#
51 48.5 16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion: 188 Resp: 228703
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 8.9 7.3 10.9

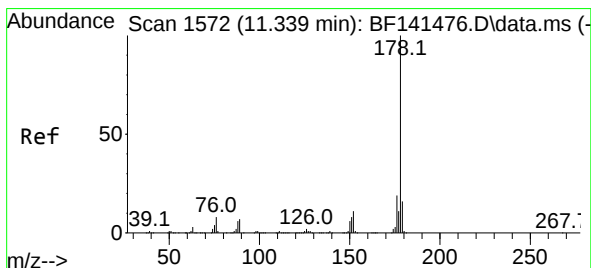
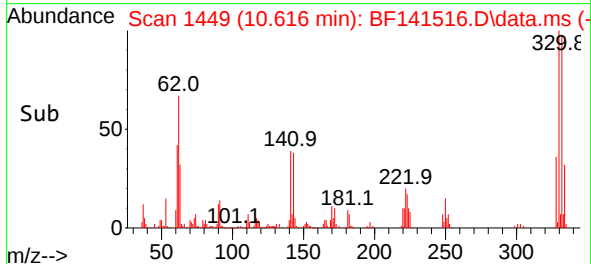
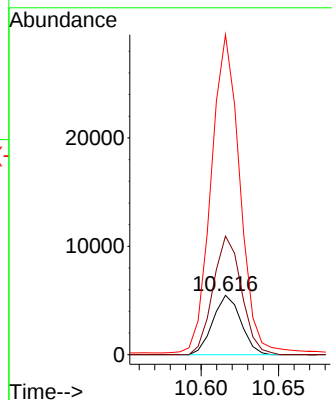
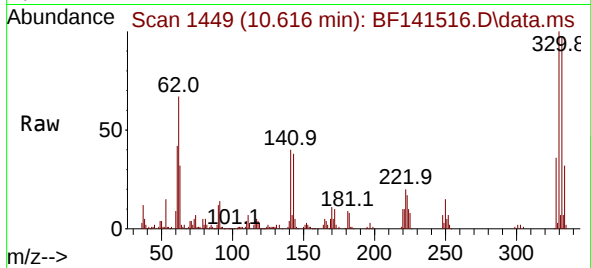




#67
4-Bromophenyl-phenylether
Concen: 2.692 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.247 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

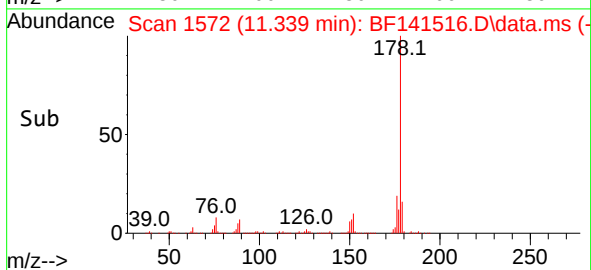
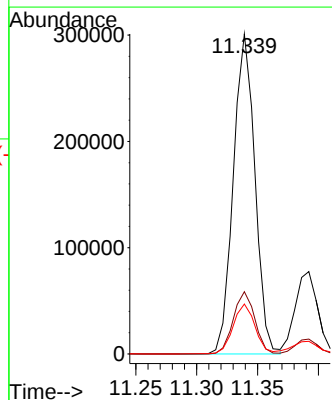
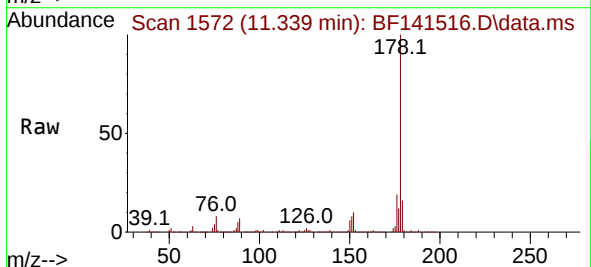
Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825

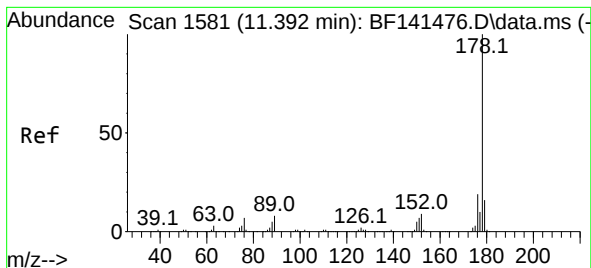
Tgt Ion:248 Resp: 6882
Ion Ratio Lower Upper
248 100
250 199.8 77.8 116.6#
141 539.5 60.6 90.8#



#71
Phenanthrene
Concen: 29.597 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:178 Resp: 372594
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.6 12.4 18.6





#72

Anthracene

Concen: 7.924 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141516.D

Acq: 07 Feb 2025 19:02

Instrument :

BNA_F

ClientSampleId :

JPP-21.1-012825

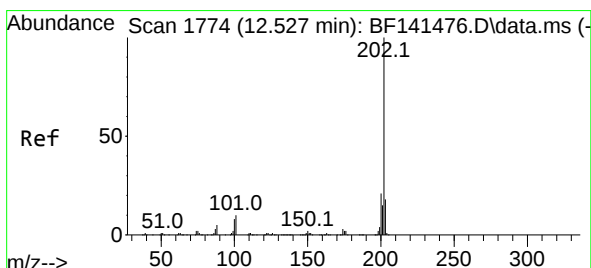
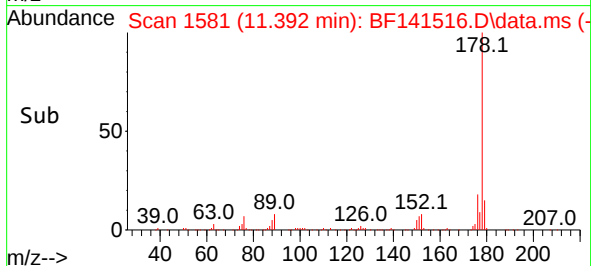
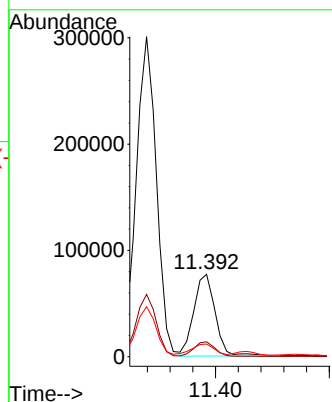
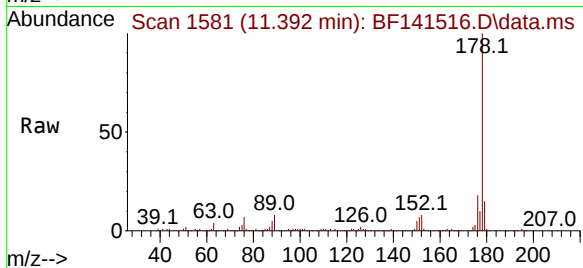
Tgt Ion:178 Resp: 100278

Ion Ratio Lower Upper

178 100

176 18.1 14.8 22.2

179 15.3 12.4 18.6



#75

Fluoranthene

Concen: 58.758 ng

RT: 12.533 min Scan# 1775

Delta R.T. 0.000 min

Lab File: BF141516.D

Acq: 07 Feb 2025 19:02

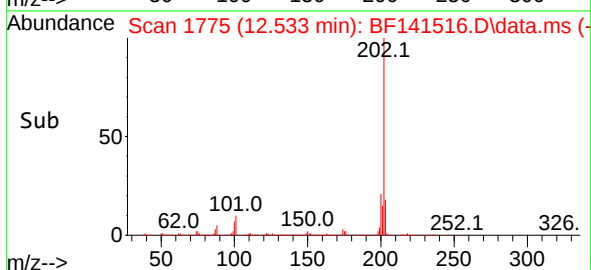
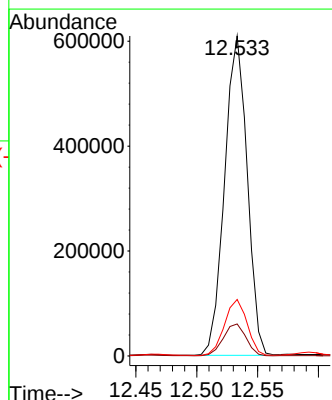
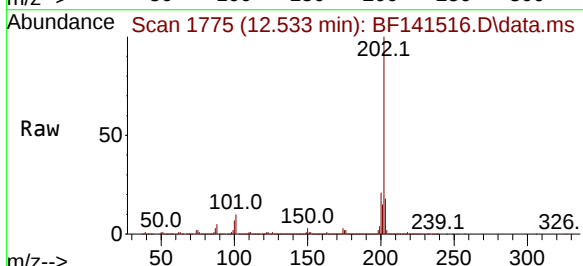
Tgt Ion:202 Resp: 784240

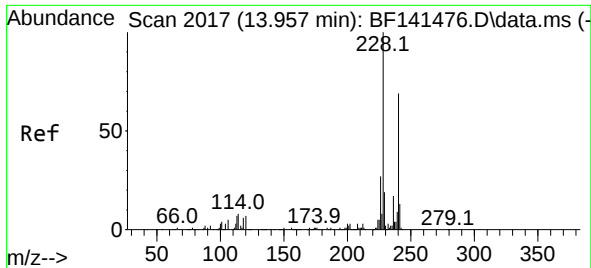
Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.2

203 17.7 0.0 37.6

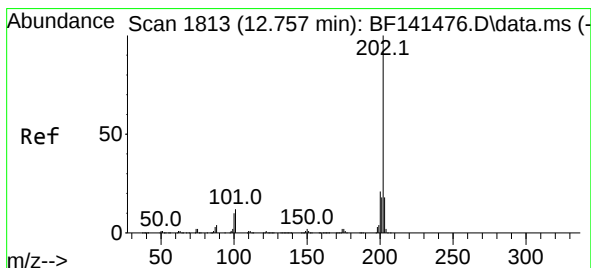
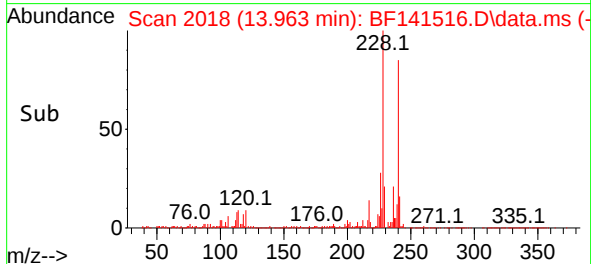
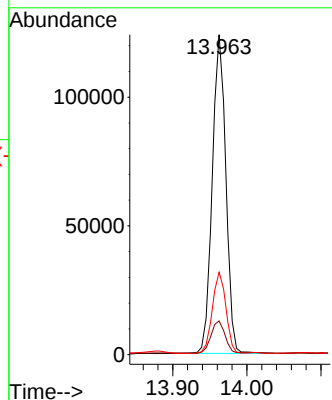
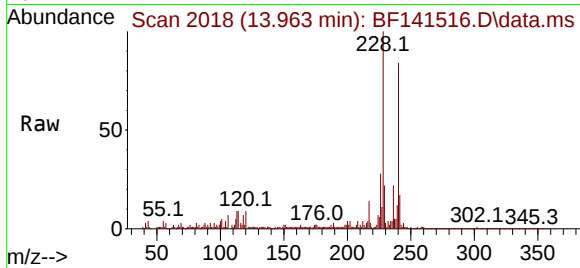




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

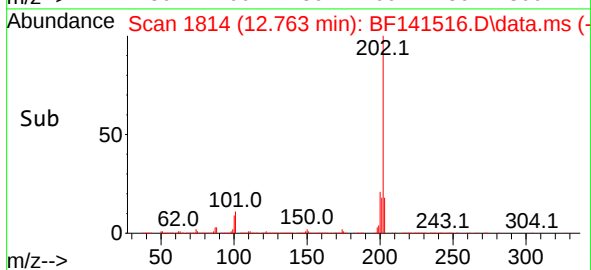
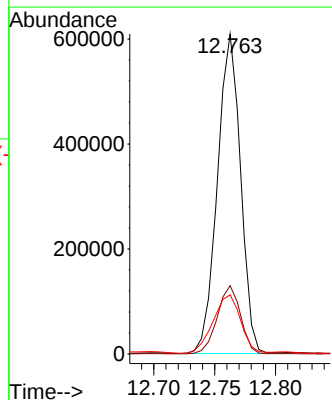
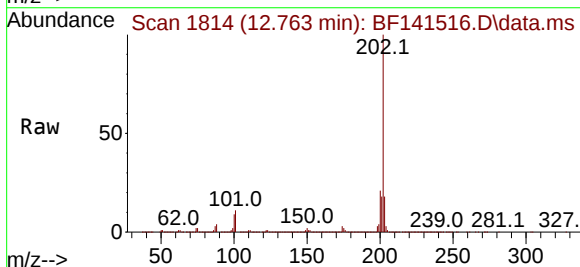
Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825

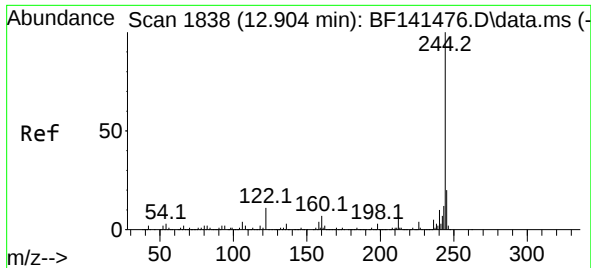
Tgt Ion:240 Resp: 157412
Ion Ratio Lower Upper
240 100
120 10.5 8.0 12.0
236 25.7 19.8 29.8



#78
Pyrene
Concen: 60.111 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:202 Resp: 805487
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 18.5 14.3 21.5

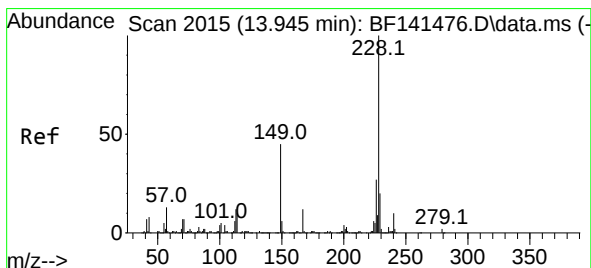
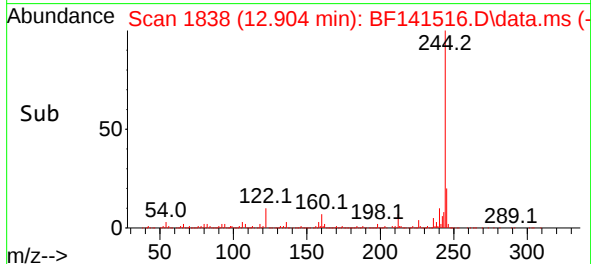
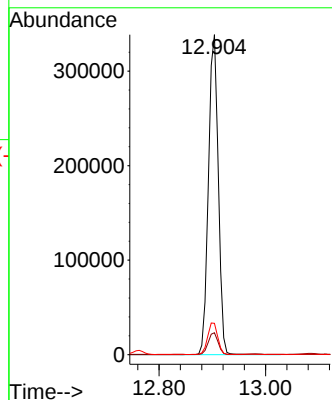
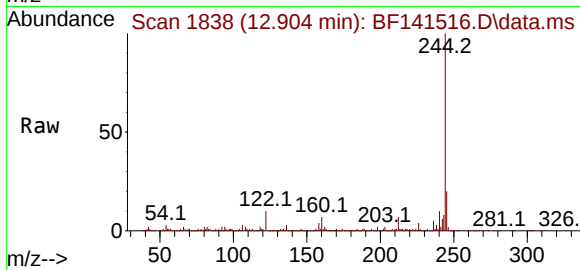




#79
 Terphenyl-d14
 Concen: 46.347 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: BF141516.D
 Acq: 07 Feb 2025 19:02

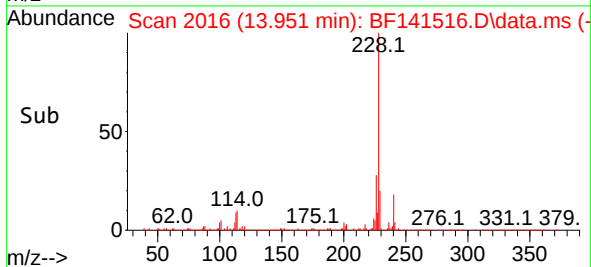
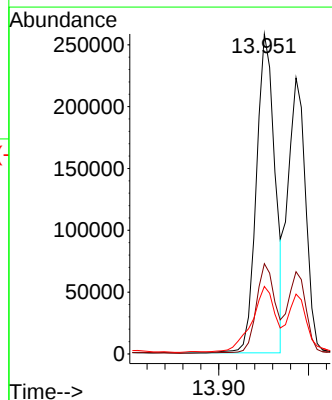
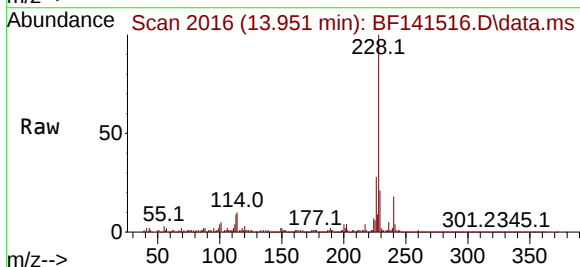
Instrument :
 BNA_F
 ClientSampleId :
 JPP-21.1-012825

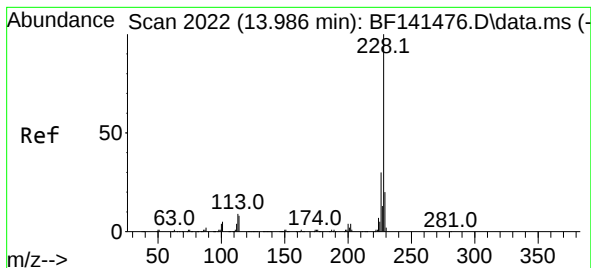
Tgt Ion:244 Resp: 432159
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 9.8 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 35.603 ng
 RT: 13.951 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: BF141516.D
 Acq: 07 Feb 2025 19:02

Tgt Ion:228 Resp: 372538
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.8 32.8
 229 21.1 15.8 23.6





#83

Chrysene

Concen: 31.242 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141516.D

Acq: 07 Feb 2025 19:02

Instrument :

BNA_F

ClientSampleId :

JPP-21.1-012825

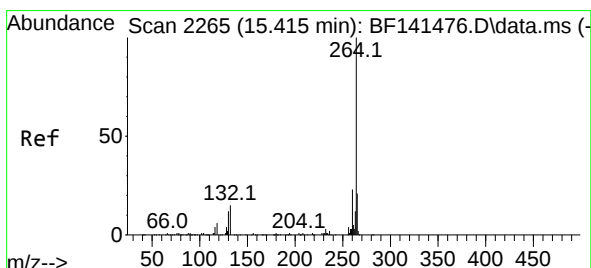
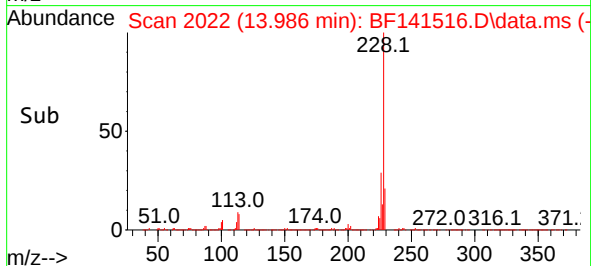
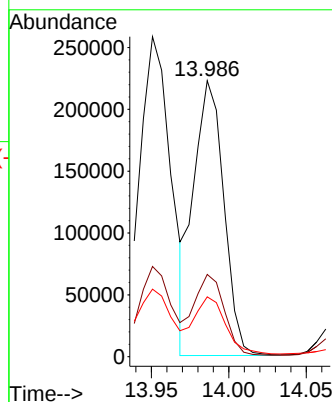
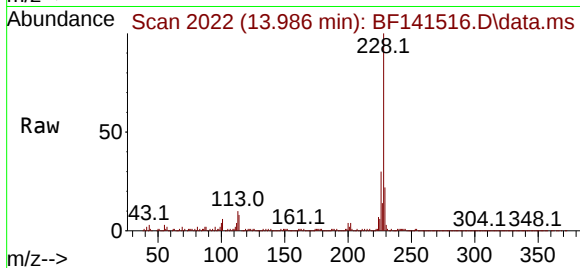
Tgt Ion:228 Resp: 301853

Ion Ratio Lower Upper

228 100

226 29.8 24.0 36.0

229 21.7 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2267

Delta R.T. 0.012 min

Lab File: BF141516.D

Acq: 07 Feb 2025 19:02

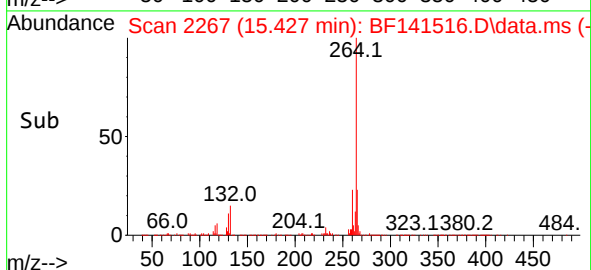
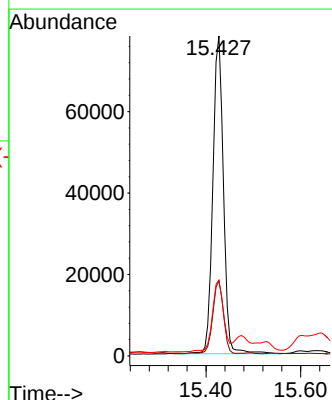
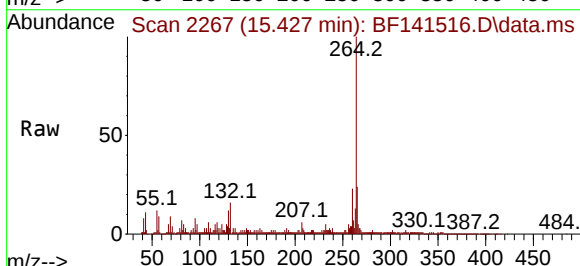
Tgt Ion:264 Resp: 120991

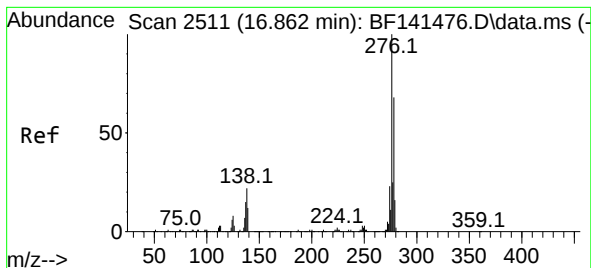
Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 23.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 16.096 ng

RT: 16.868 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF141516.D

Acq: 07 Feb 2025 19:02

Instrument :

BNA_F

ClientSampleId :

JPP-21.1-012825

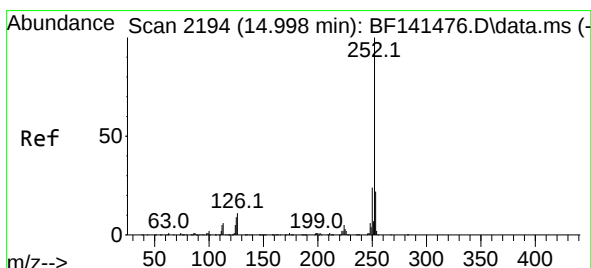
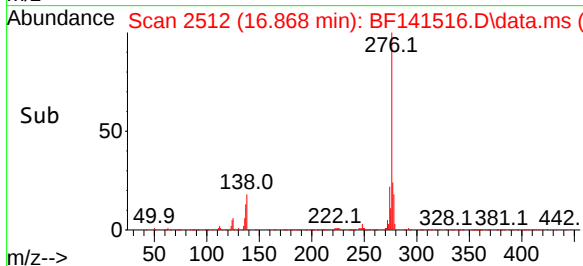
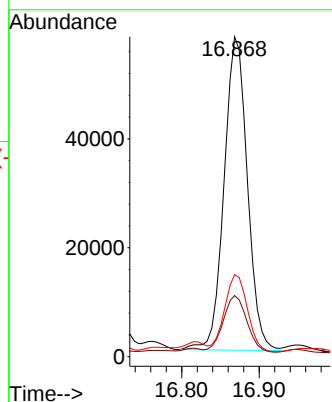
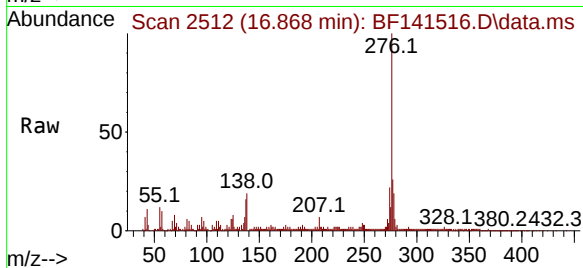
Tgt Ion:276 Resp: 120330

Ion Ratio Lower Upper

276 100

138 19.0 18.0 27.0

277 24.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 51.118 ng

RT: 15.010 min Scan# 2196

Delta R.T. 0.006 min

Lab File: BF141516.D

Acq: 07 Feb 2025 19:02

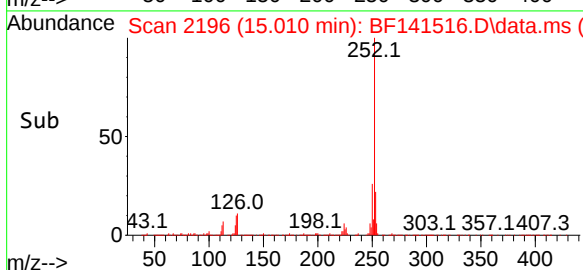
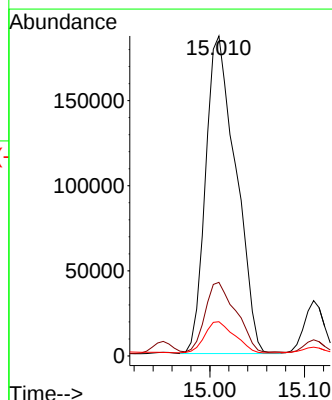
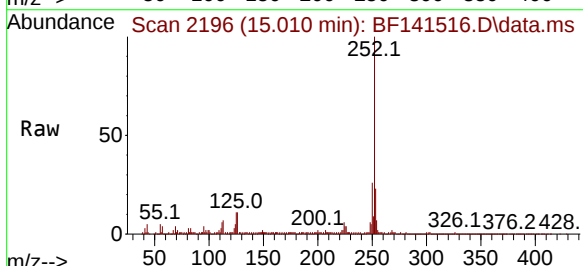
Tgt Ion:252 Resp: 415281

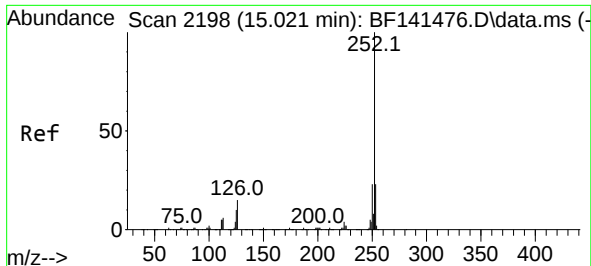
Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 10.7 7.0 10.6#

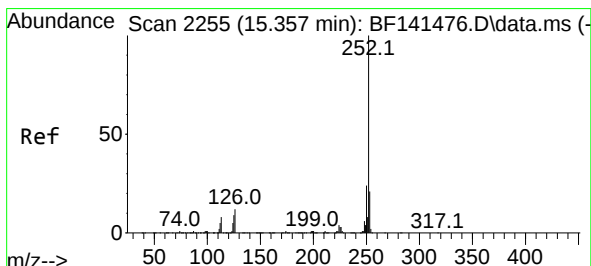
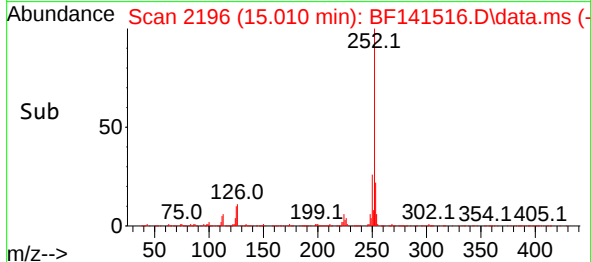
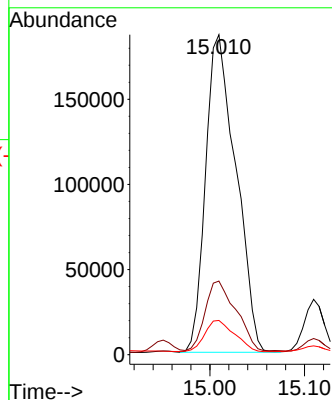
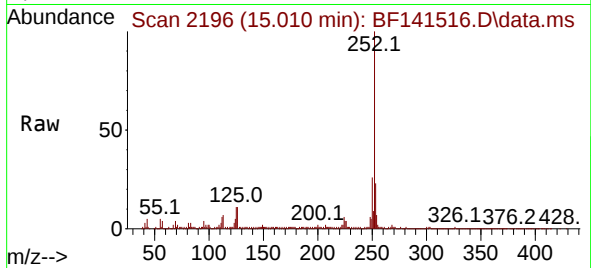




#89
Benzo(k)fluoranthene
Concen: 59.864 ng
RT: 15.010 min Scan# 2198
Delta R.T. -0.023 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

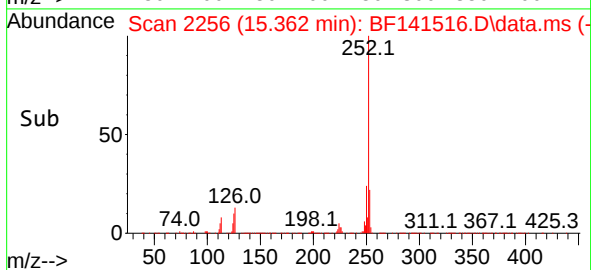
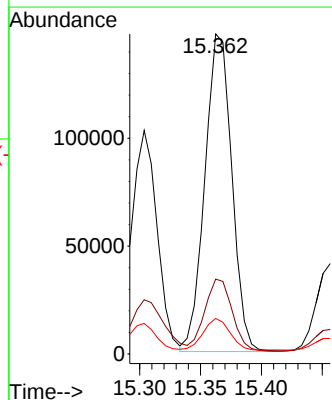
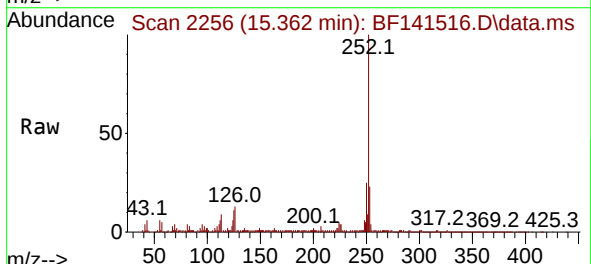
Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825

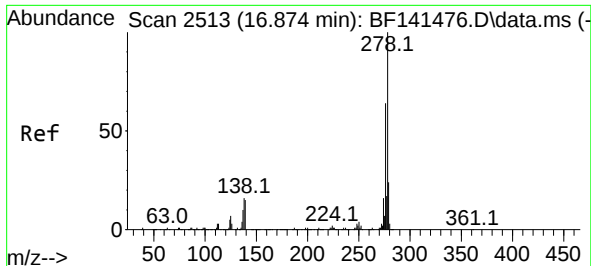
Tgt Ion:252 Resp: 415281
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 10.7 7.4 11.0



#90
Benzo(a)pyrene
Concen: 34.513 ng
RT: 15.362 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:252 Resp: 226878
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 11.1 7.4 11.2

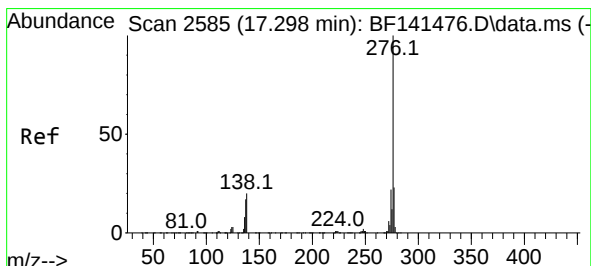
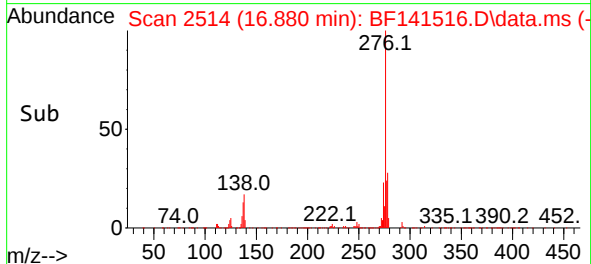
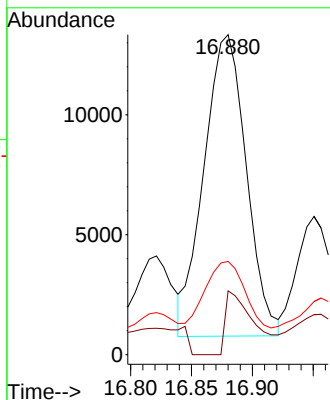
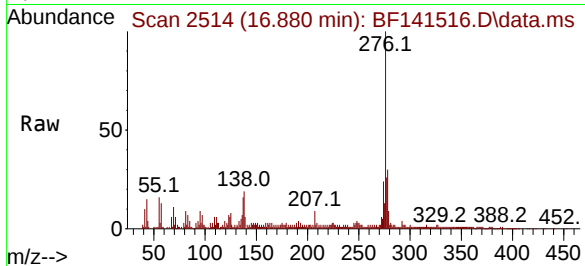




#91
Dibenzo(a,h)anthracene
Concen: 5.028 ng
RT: 16.880 min Scan# 2514
Delta R.T. -0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825

Tgt Ion:278 Resp: 30455
Ion Ratio Lower Upper
278 100
139 20.0 11.8 17.6#
279 29.2 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 18.675 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:276 Resp: 118385
Ion Ratio Lower Upper
276 100
277 25.5 18.6 28.0
138 20.6 15.9 23.9

