

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
 Data File : BF141546.D
 Acq On : 10 Feb 2025 20:19
 Operator : RC/JU
 Sample : Q1241-03DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-3.5-013025DL

Quant Time: Feb 11 00:09:25 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)

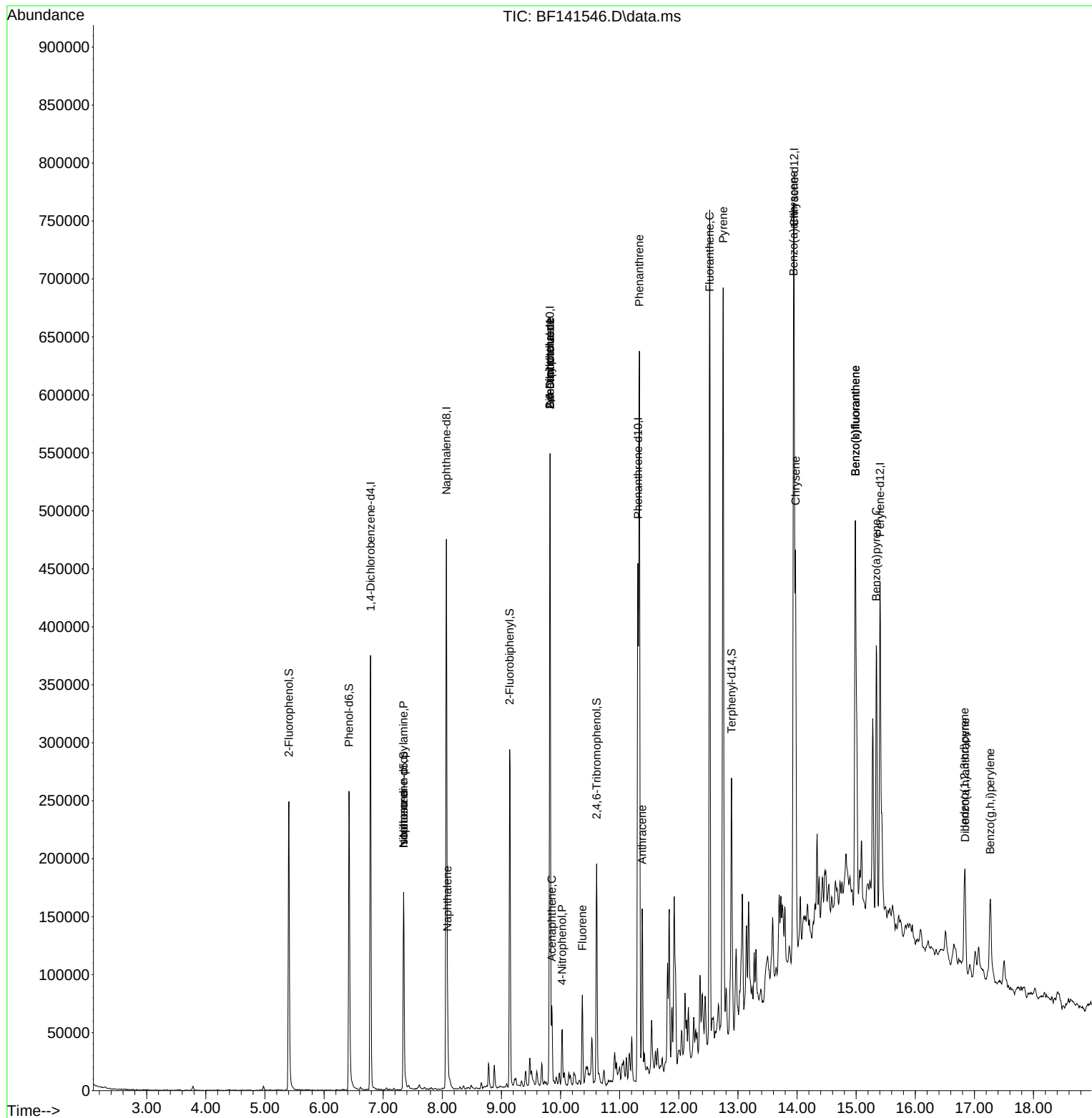
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	76076	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	302314	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	158827	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	223216	20.000	ng	0.00
76) Chrysene-d12	13.951	240	183040	20.000	ng	-0.01
86) Perylene-d12	15.404	264	164548	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	98059	20.208	ng	0.00
7) Phenol-d6	6.422	99	123171	20.082	ng	-0.02
23) Nitrobenzene-d5	7.345	82	78731	13.583	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	25174	15.778	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	133807	12.979	ng	-0.01
79) Terphenyl-d14	12.892	244	96439	8.895	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	10607	2.891	ng	# 75
25) Isophorone	7.345	82	73404	7.943	ng	# 66
31) Naphthalene	8.087	128	31997	2.033	ng	99
50) Dimethylphthalate	9.822	163	23547	2.184	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	21392	9.076	ng	# 23
52) Acenaphthene	9.851	154	19368	2.127	ng	97
56) 4-Nitrophenol	10.028	139	9532	5.061	ng	# 5
57) 2,4-Dinitrotoluene	9.822	165	21393	6.818	ng	# 19
58) Fluorene	10.369	166	29838	2.887	ng	96
71) Phenanthrene	11.333	178	330203	26.874	ng	99
72) Anthracene	11.381	178	87525	7.086	ng	98
75) Fluoranthene	12.522	202	397571	30.520	ng	99
78) Pyrene	12.751	202	370301	23.765	ng	99
81) Benzo(a)anthracene	13.939	228	218530	17.960	ng	97
83) Chrysene	13.974	228	177676	15.815	ng	97
87) Indeno(1,2,3-cd)pyrene	16.833	276	64598	6.354	ng	96
88) Benzo(b)fluoranthene	14.986	252	279499	25.297	ng	98
89) Benzo(k)fluoranthene	14.986	252	279499	29.625	ng	99
90) Benzo(a)pyrene	15.339	252	144649	16.180	ng	# 95
91) Dibenzo(a,h)anthracene	16.845	278	18360	2.229	ng	# 84
92) Benzo(g,h,i)perylene	17.268	276	59314	6.880	ng	98

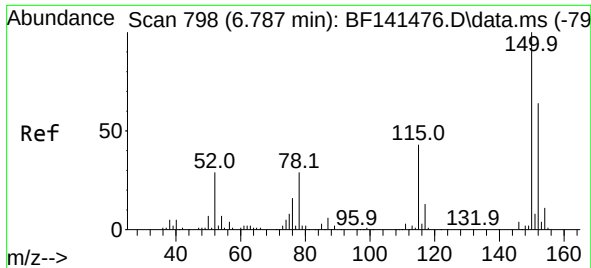
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141546.D
Acq On : 10 Feb 2025 20:19
Operator : RC/JU
Sample : Q1241-03DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

Quant Time: Feb 11 00:09:25 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

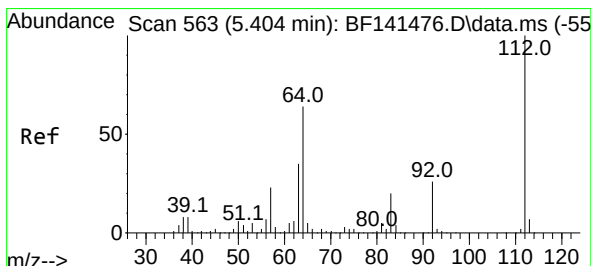
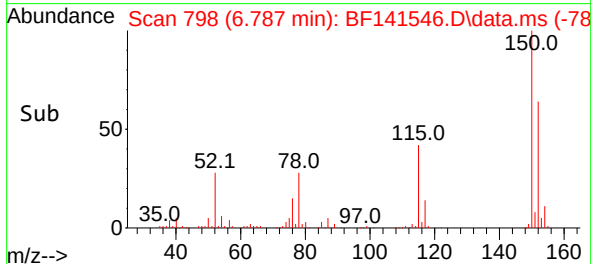
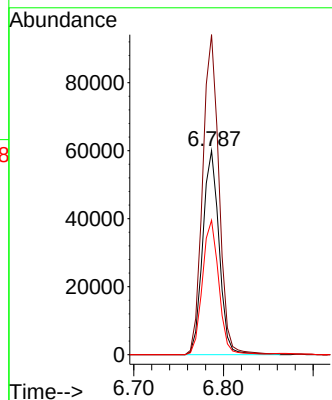
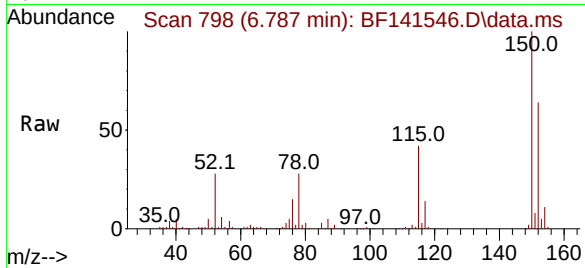




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.005 min
 Lab File: BF141546.D
 Acq: 10 Feb 2025 20:19

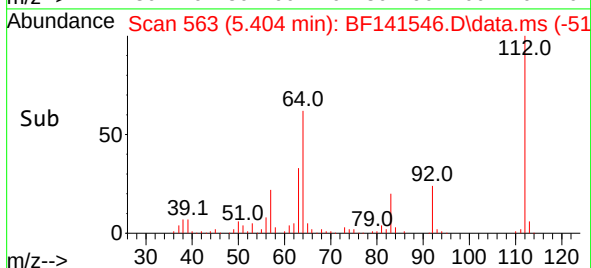
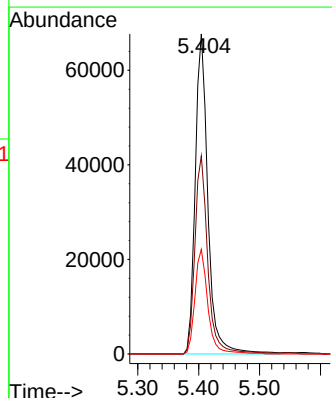
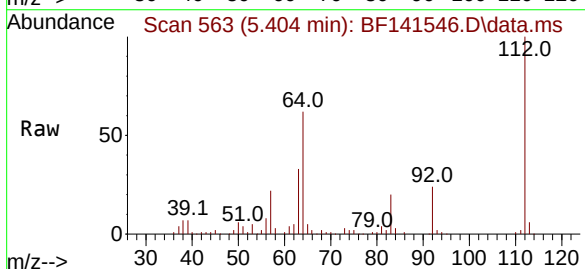
Instrument :
 BNA_F
 ClientSampleId :
 JPP-3.5-013025DL

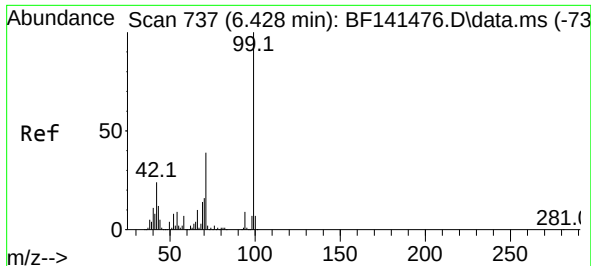
Tgt Ion:152 Resp: 76076
 Ion Ratio Lower Upper
 152 100
 150 156.9 125.0 187.4
 115 65.8 53.6 80.4



#5
 2-Fluorophenol
 Concen: 20.208 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141546.D
 Acq: 10 Feb 2025 20:19

Tgt Ion:112 Resp: 98059
 Ion Ratio Lower Upper
 112 100
 64 61.9 51.1 76.7
 63 32.7 28.4 42.6

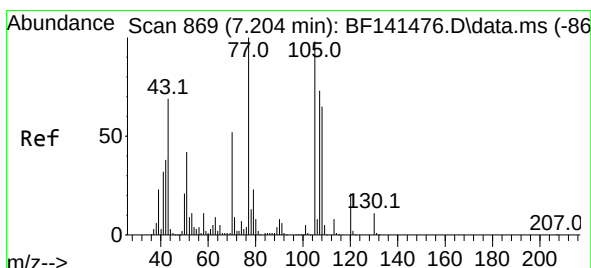
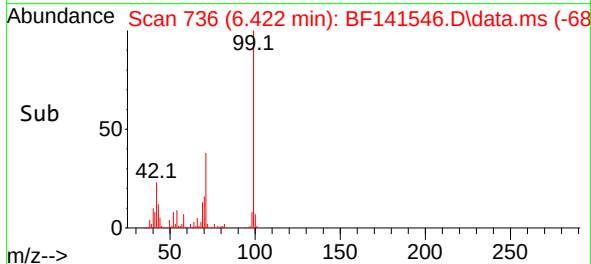
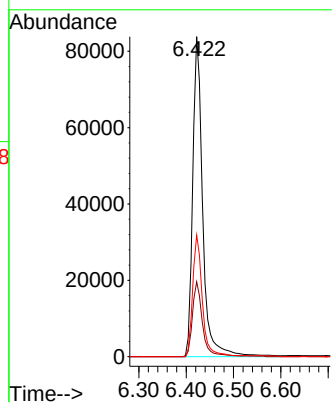
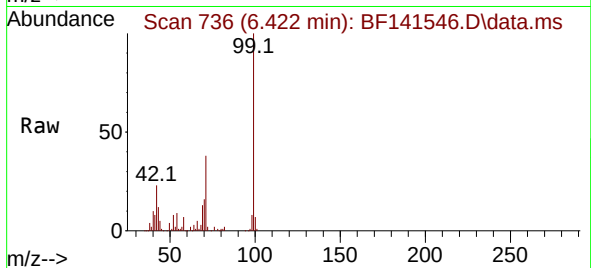




#7
Phenol-d6
Concen: 20.082 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

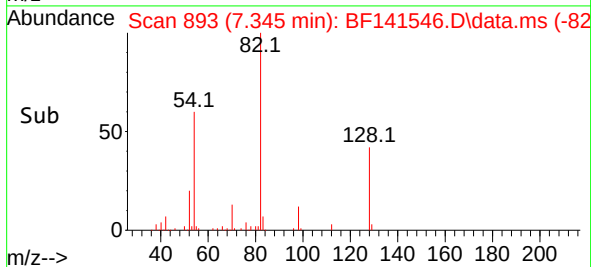
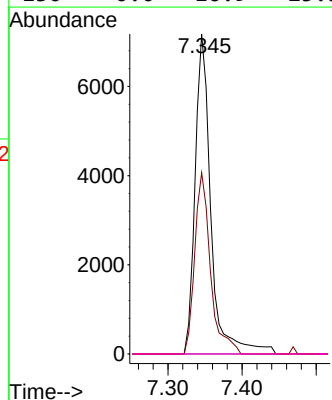
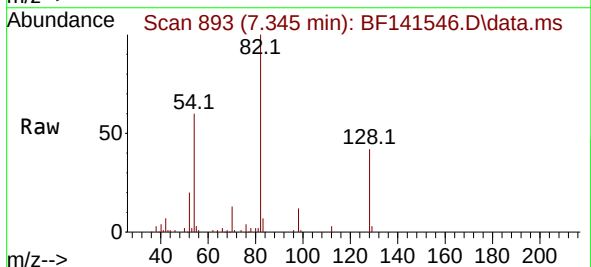
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

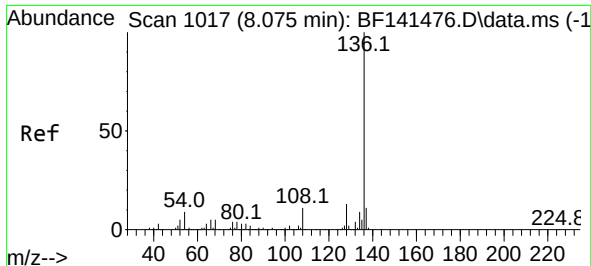
Tgt Ion: 99 Resp: 123171
Ion Ratio Lower Upper
99 100
42 23.4 19.1 28.7
71 38.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.891 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion: 70 Resp: 10607
Ion Ratio Lower Upper
70 100
42 56.6 57.4 86.2#
101 0.0 8.0 12.0#
130 0.0 16.9 25.3#



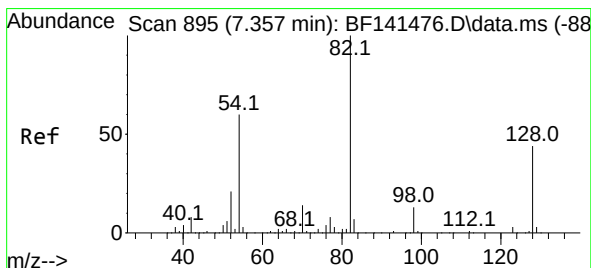
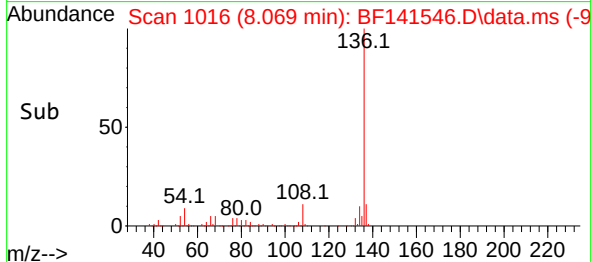
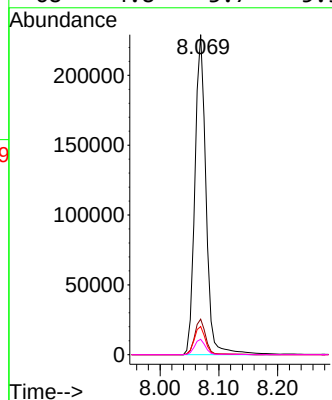
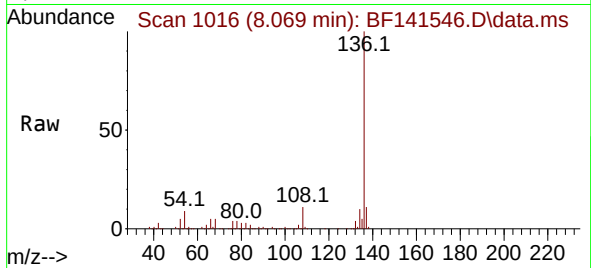


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

Tgt Ion:136 Resp: 302314

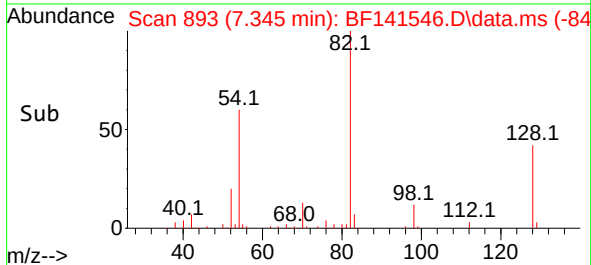
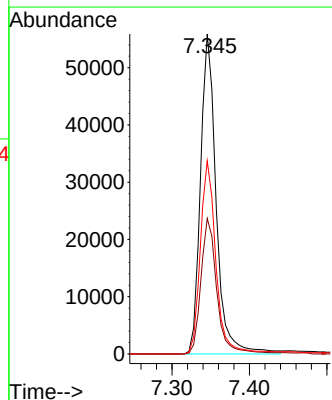
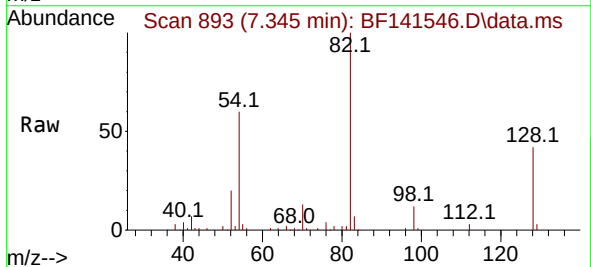
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.8	7.2	10.8
68	4.8	3.7	5.5

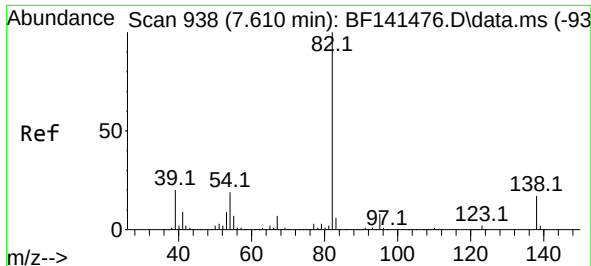


#23
Nitrobenzene-d5
Concen: 13.583 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion: 82 Resp: 78731

Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.8	52.2
54	60.3	48.2	72.4

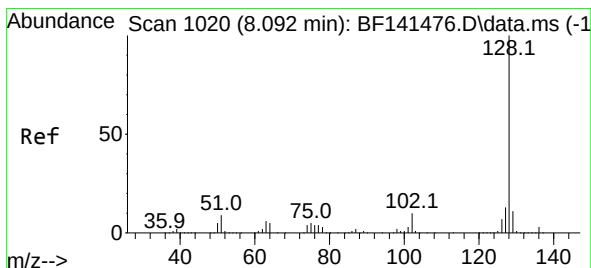
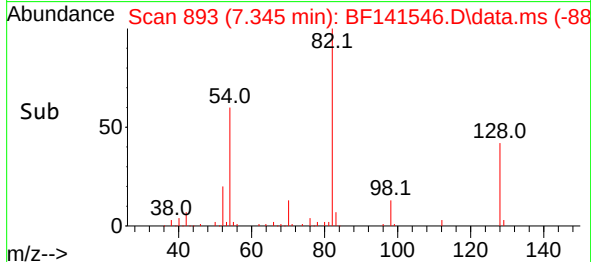
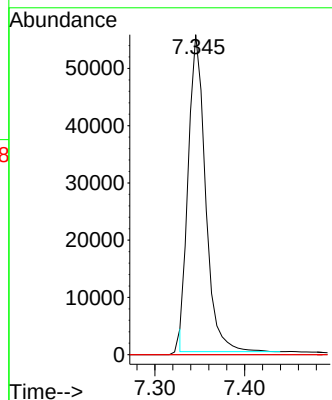
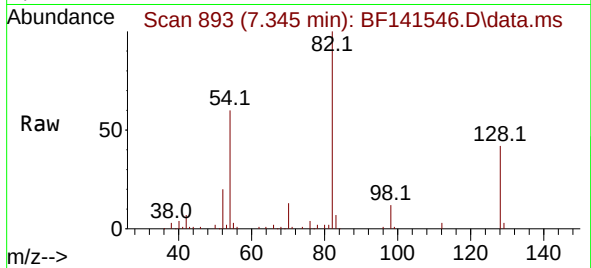




#25
Isophorone
Concen: 7.943 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

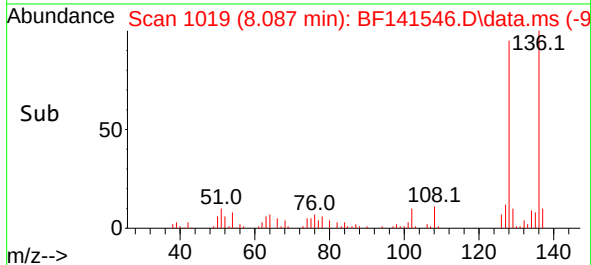
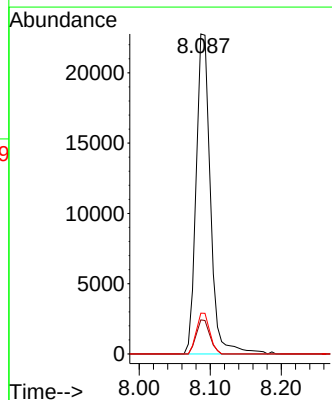
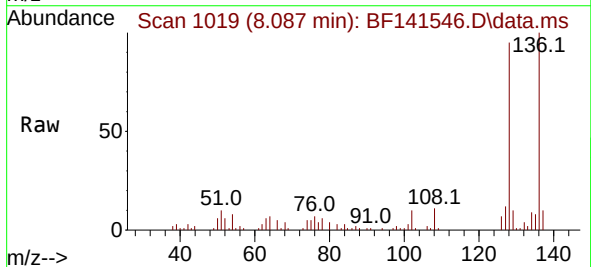
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

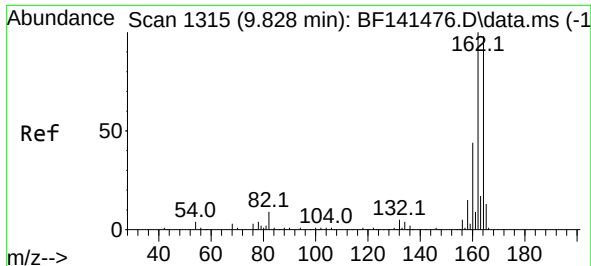
Tgt Ion: 82 Resp: 73404
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 2.033 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion: 128 Resp: 31997
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 12.7 10.7 16.1

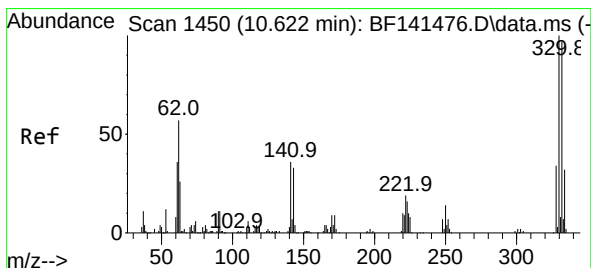
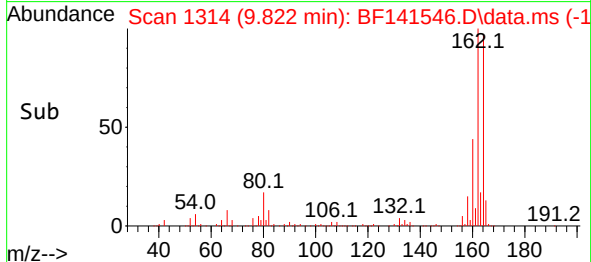
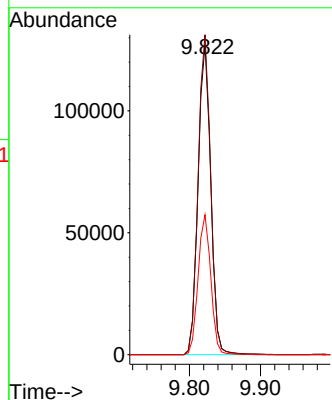
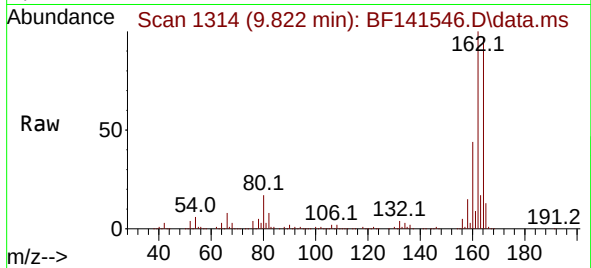




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

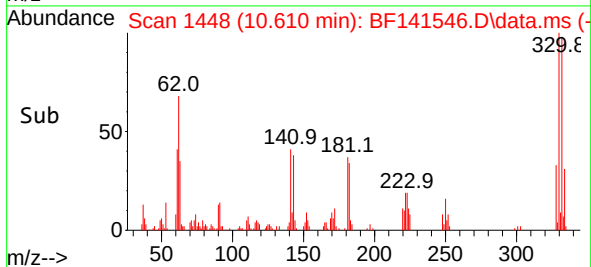
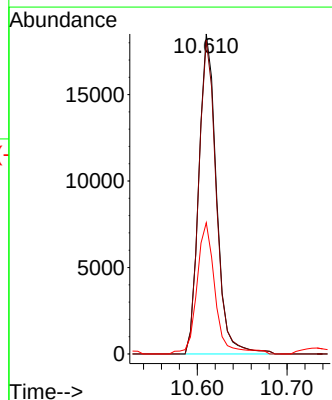
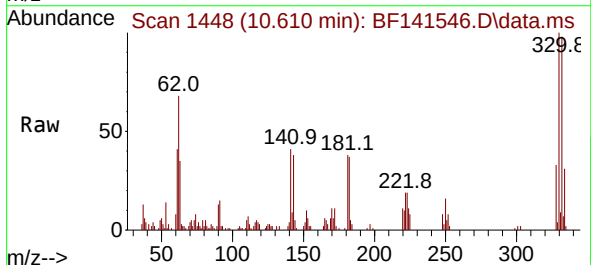
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

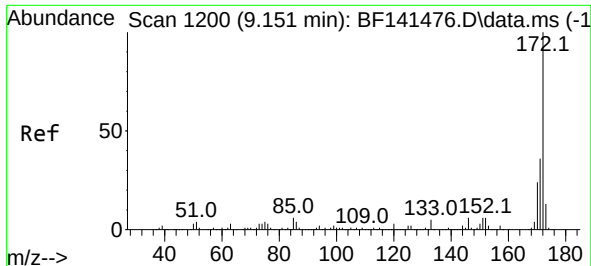
Tgt Ion:164 Resp: 158827
Ion Ratio Lower Upper
164 100
162 103.2 81.3 121.9
160 45.1 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 15.778 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:330 Resp: 25174
Ion Ratio Lower Upper
330 100
332 97.8 78.5 117.7
141 42.5 31.0 46.4

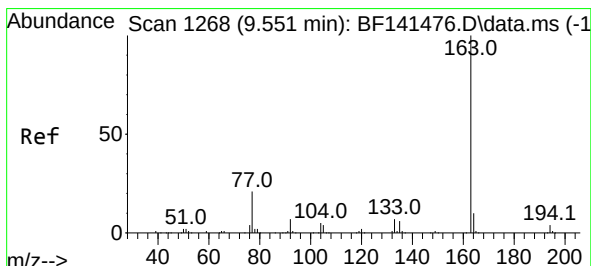
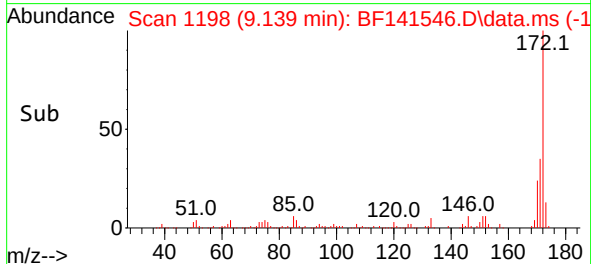
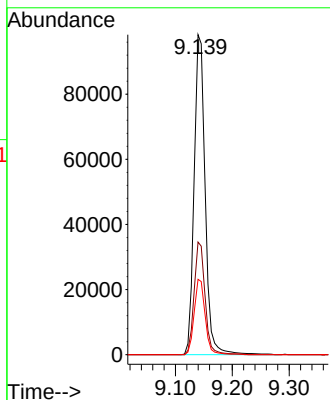
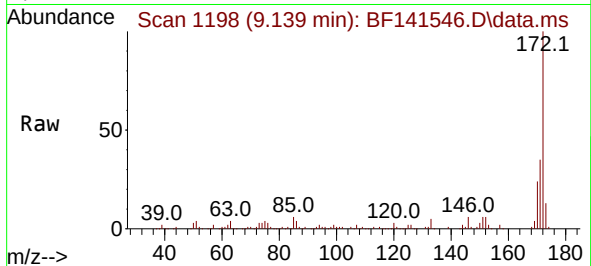




#45
2-Fluorobiphenyl
Concen: 12.979 ng
RT: 9.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

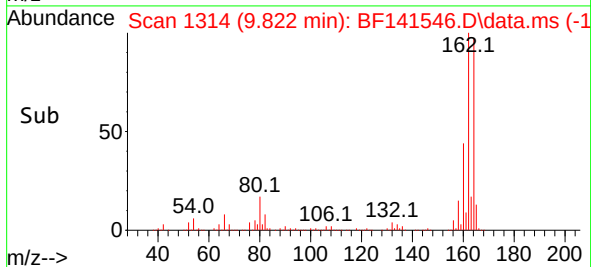
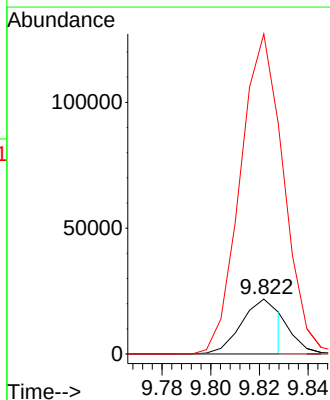
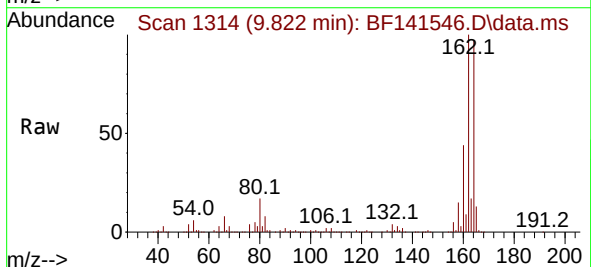
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

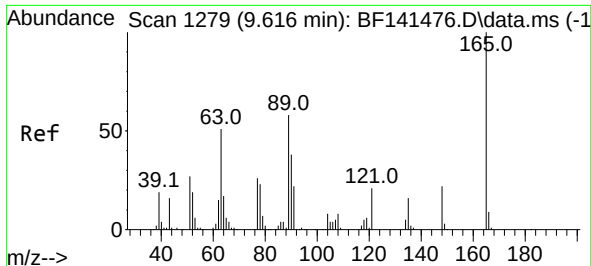
Tgt Ion:172 Resp: 133807
Ion Ratio Lower Upper
172 100
171 35.2 28.7 43.1
170 23.6 18.9 28.3



#50
Dimethylphthalate
Concen: 2.184 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:163 Resp: 23547
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 583.8 7.9 11.9#





#51

2,6-Dinitrotoluene

Concen: 9.076 ng

RT: 9.822 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF141546.D

Acq: 10 Feb 2025 20:19

Instrument :

BNA_F

ClientSampleId :

JPP-3.5-013025DL

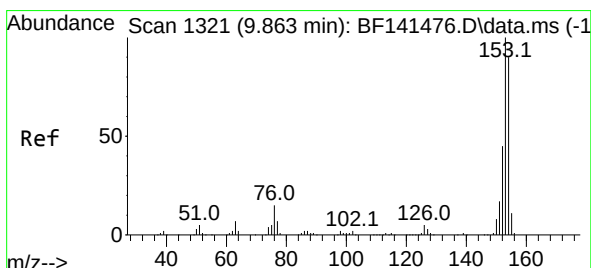
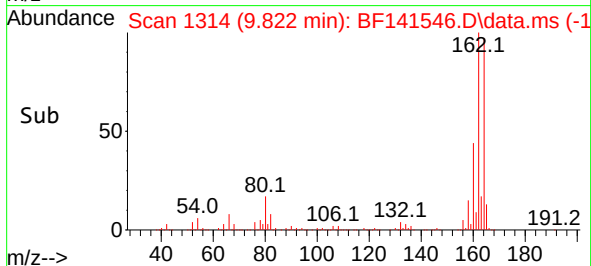
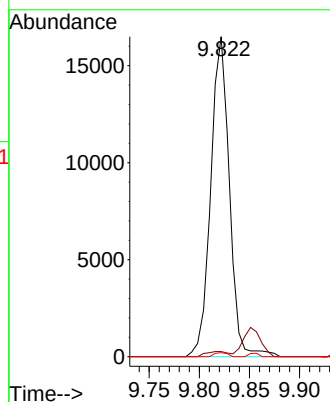
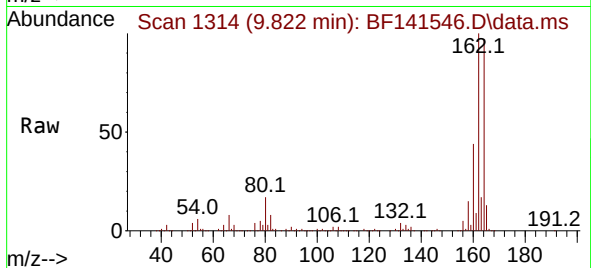
Tgt Ion:165 Resp: 21392

Ion Ratio Lower Upper

165 100

63 1.6 49.4 74.0#

89 1.2 46.5 69.7#



#52

Acenaphthene

Concen: 2.127 ng

RT: 9.851 min Scan# 1319

Delta R.T. -0.017 min

Lab File: BF141546.D

Acq: 10 Feb 2025 20:19

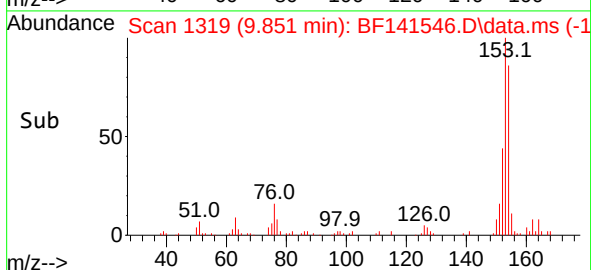
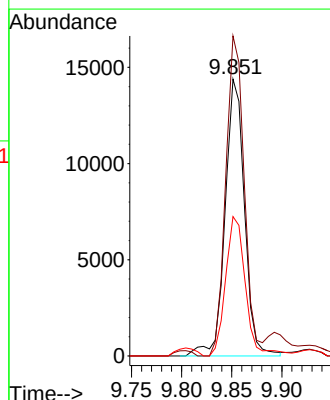
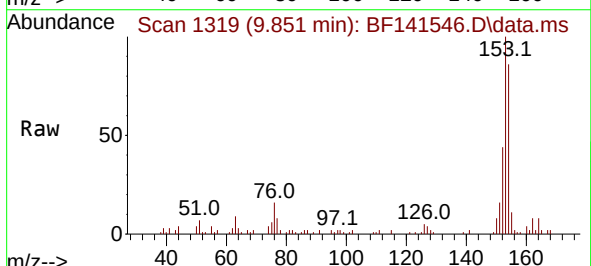
Tgt Ion:154 Resp: 19368

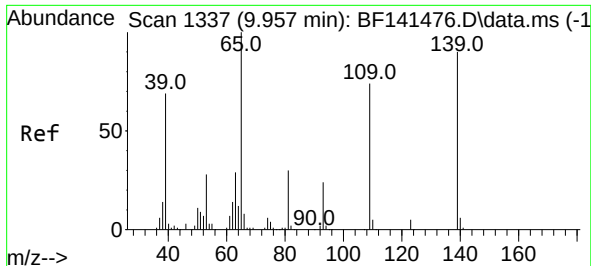
Ion Ratio Lower Upper

154 100

153 115.6 89.2 133.8

152 50.3 39.8 59.8





#56

4-Nitrophenol

Concen: 5.061 ng

RT: 10.028 min Scan# 11

Delta R.T. 0.059 min

Lab File: BF141546.D

Acq: 10 Feb 2025 20:19

Instrument :

BNA_F

ClientSampleId :

JPP-3.5-013025DL

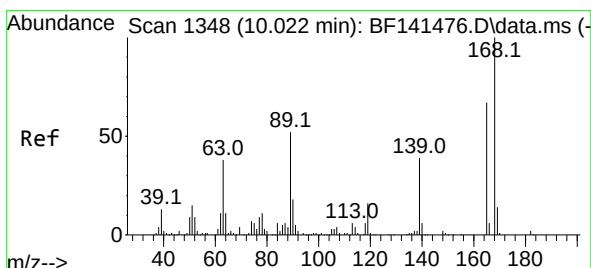
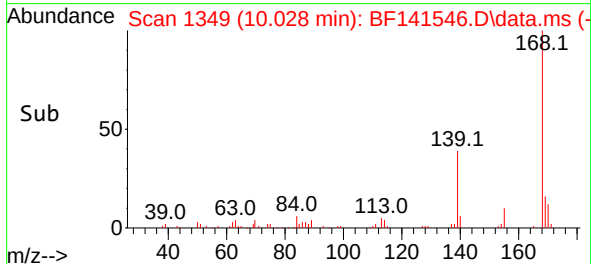
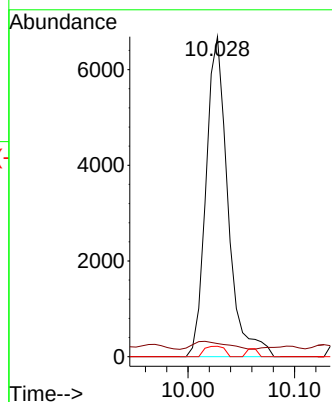
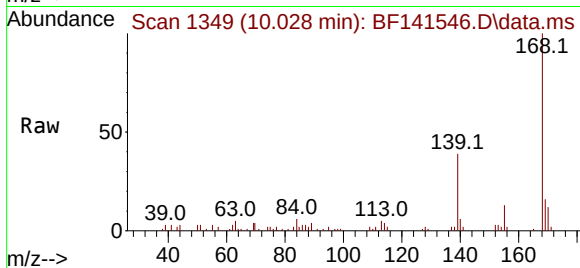
Tgt Ion:139 Resp: 9532

Ion Ratio Lower Upper

139 100

109 4.1 62.0 102.0#

65 3.2 91.2 131.2#



#57

2,4-Dinitrotoluene

Concen: 6.818 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.206 min

Lab File: BF141546.D

Acq: 10 Feb 2025 20:19

Tgt Ion:165 Resp: 21393

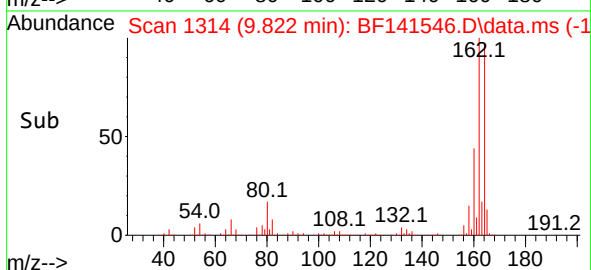
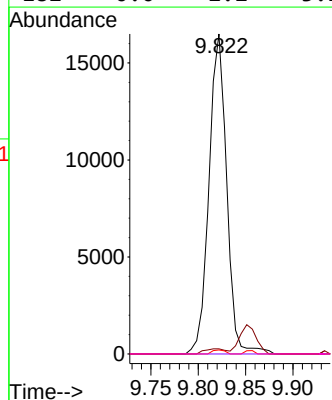
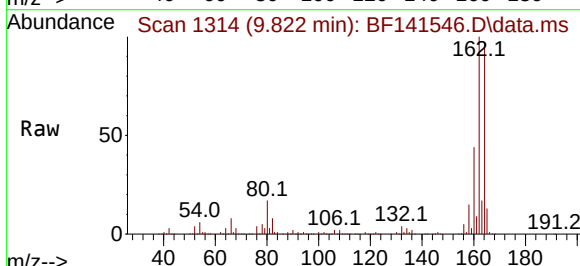
Ion Ratio Lower Upper

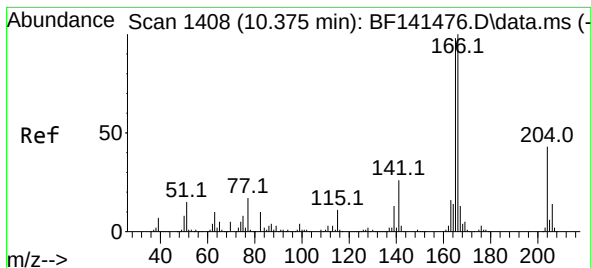
165 100

63 1.6 46.4 69.6#

89 1.2 61.8 92.6#

182 0.0 2.2 3.2#





#58

Fluorene

Concen: 2.887 ng

RT: 10.369 min Scan# 1408

Delta R.T. -0.012 min

Lab File: BF141546.D

Acq: 10 Feb 2025 20:19

Instrument :

BNA_F

ClientSampleId :

JPP-3.5-013025DL

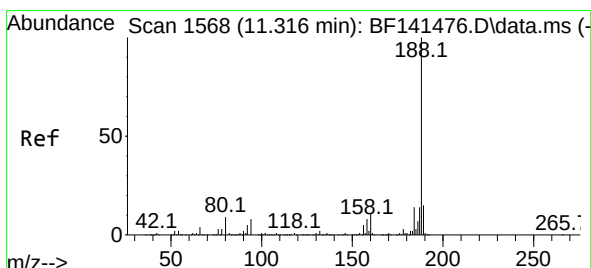
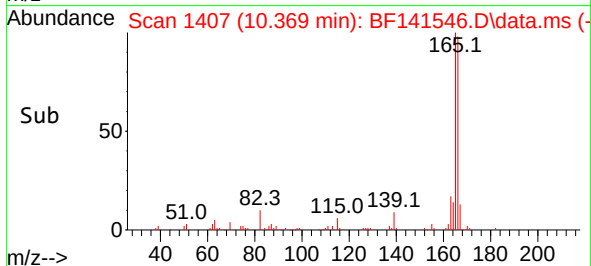
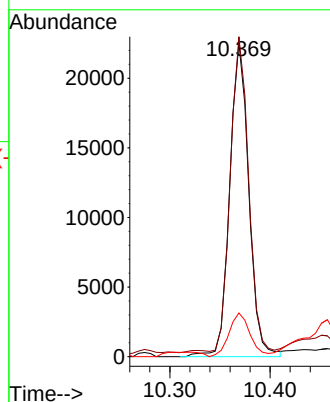
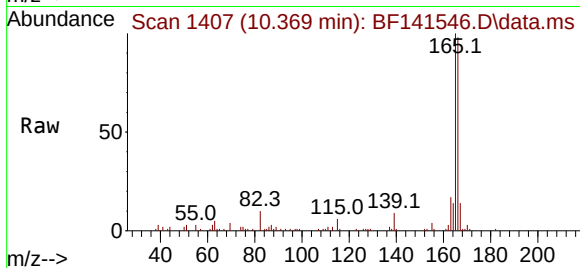
Tgt Ion:166 Resp: 29838

Ion Ratio Lower Upper

166 100

165 102.0 78.2 117.2

167 13.9 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF141546.D

Acq: 10 Feb 2025 20:19

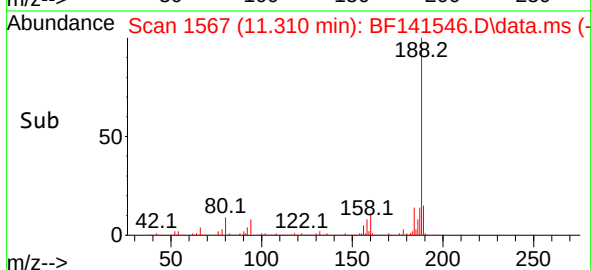
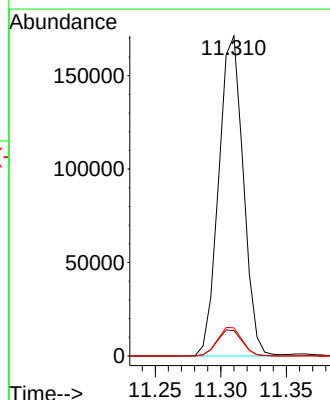
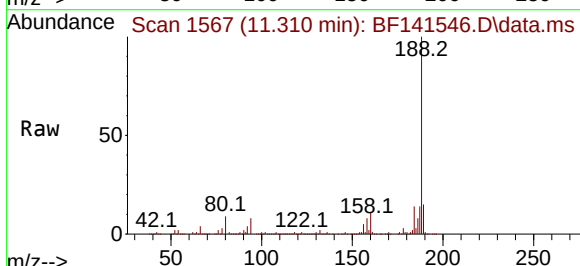
Tgt Ion:188 Resp: 223216

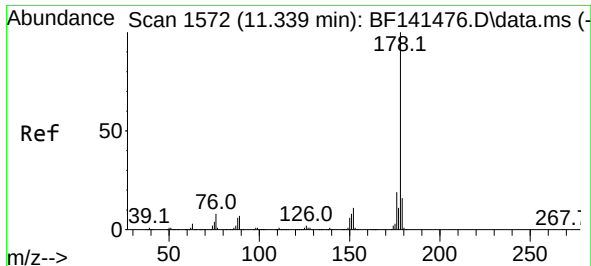
Ion Ratio Lower Upper

188 100

94 8.0 6.6 10.0

80 8.8 7.3 10.9

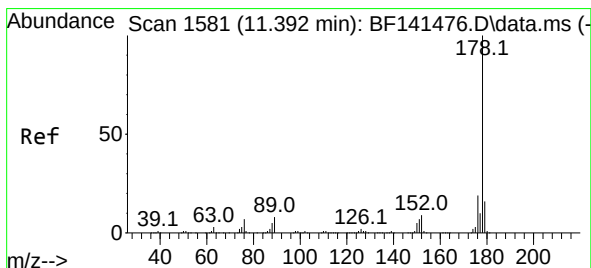
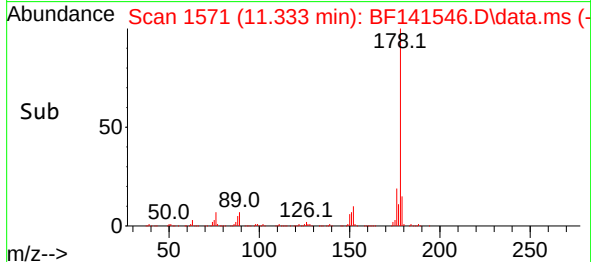
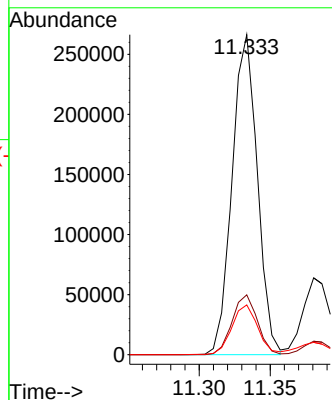
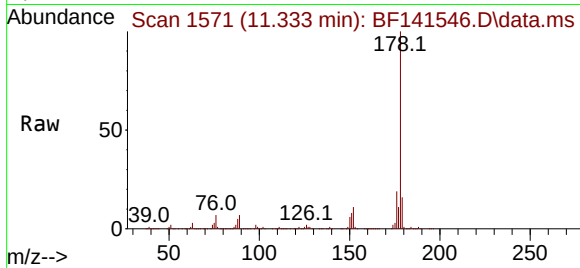




#71
Phenanthrene
Concen: 26.874 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

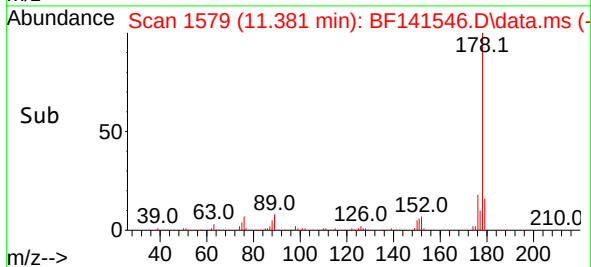
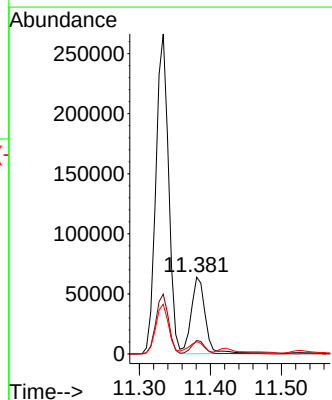
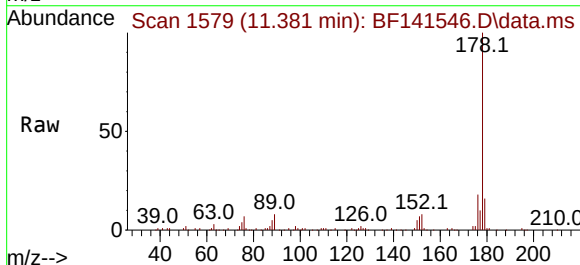
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

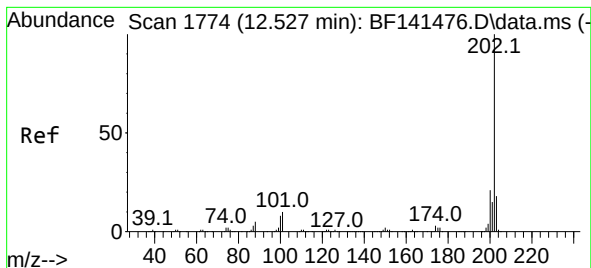
Tgt Ion:178 Resp: 330203
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.5 12.4 18.6



#72
Anthracene
Concen: 7.086 ng
RT: 11.381 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:178 Resp: 87525
Ion Ratio Lower Upper
178 100
176 17.6 14.8 22.2
179 16.1 12.4 18.6





#75

Fluoranthene

Concen: 30.520 ng

RT: 12.522 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141546.D

Acq: 10 Feb 2025 20:19

Instrument :

BNA_F

ClientSampleId :

JPP-3.5-013025DL

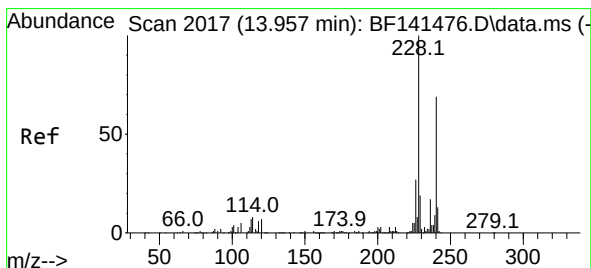
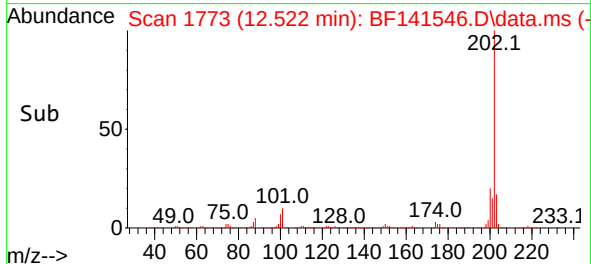
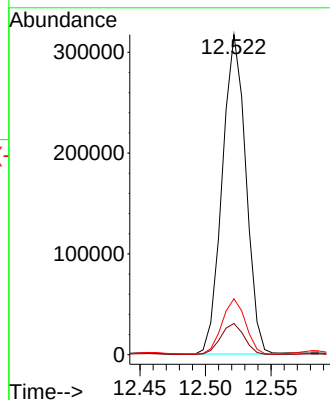
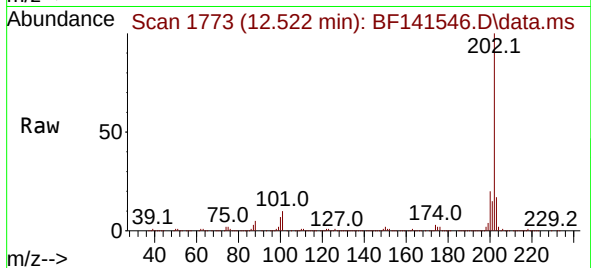
Tgt Ion:202 Resp: 397571

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.2

203 17.4 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF141546.D

Acq: 10 Feb 2025 20:19

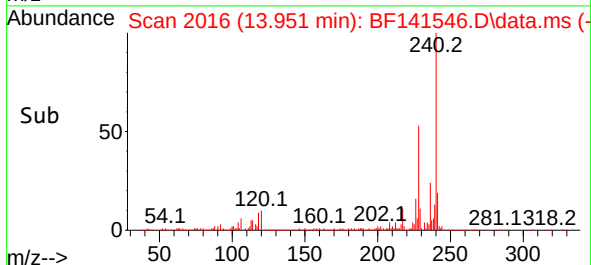
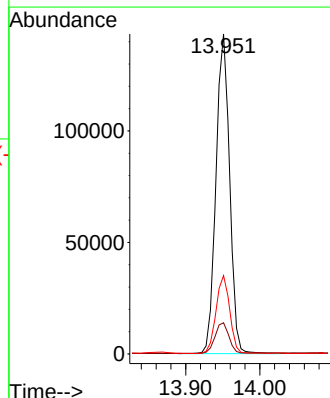
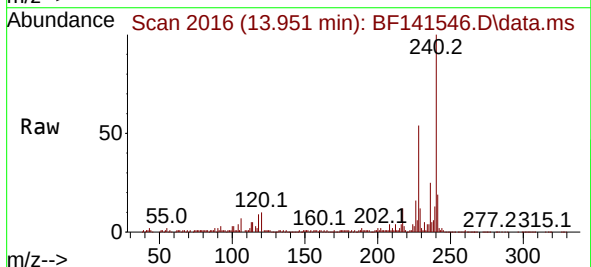
Tgt Ion:240 Resp: 183040

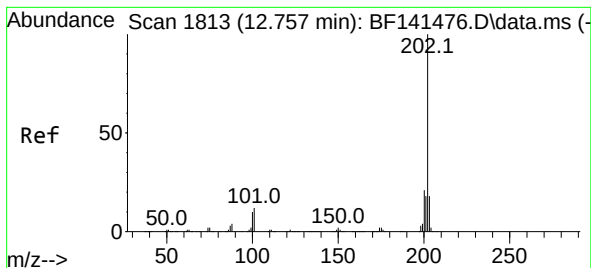
Ion Ratio Lower Upper

240 100

120 9.8 8.0 12.0

236 24.5 19.8 29.8





#78

Pyrene

Concen: 23.765 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF141546.D

Acq: 10 Feb 2025 20:19

Instrument :

BNA_F

ClientSampleId :

JPP-3.5-013025DL

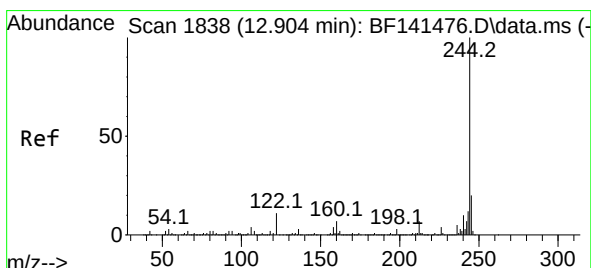
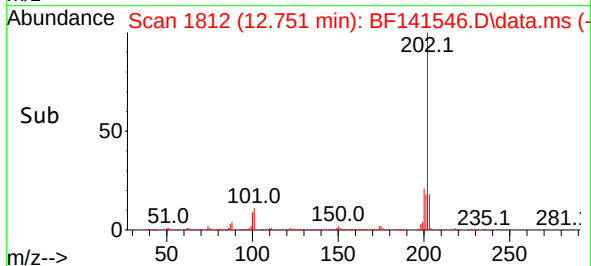
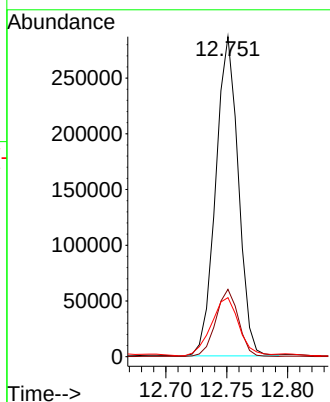
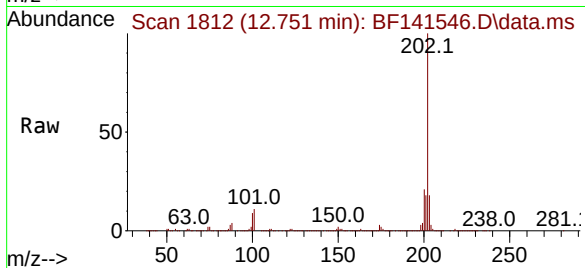
Tgt Ion:202 Resp: 370301

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 18.5 14.3 21.5



#79

Terphenyl-d14

Concen: 8.895 ng

RT: 12.892 min Scan# 1836

Delta R.T. -0.012 min

Lab File: BF141546.D

Acq: 10 Feb 2025 20:19

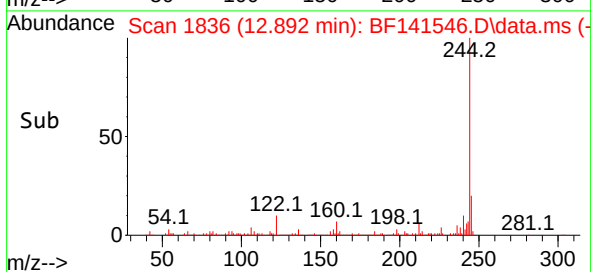
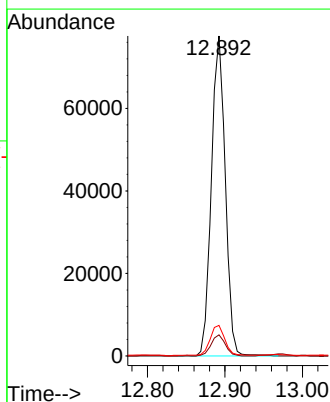
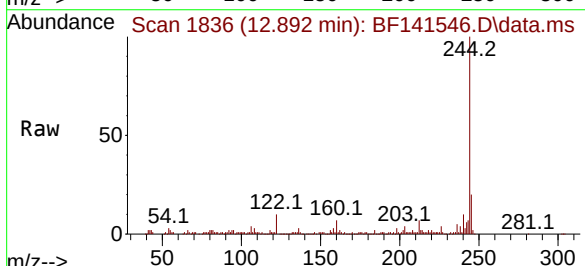
Tgt Ion:244 Resp: 96439

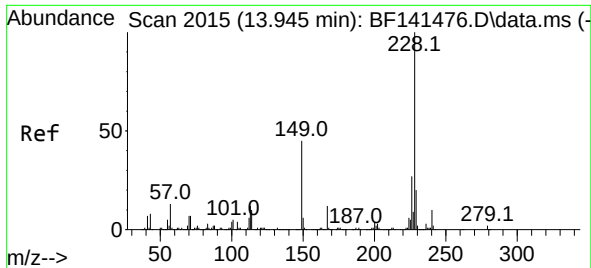
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

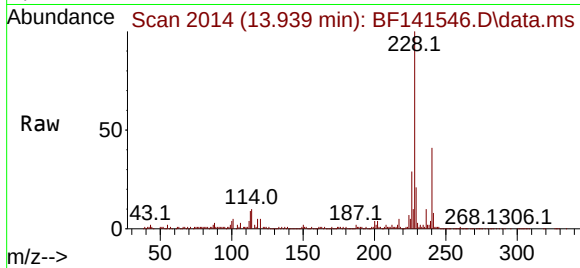
122 9.6 8.4 12.6



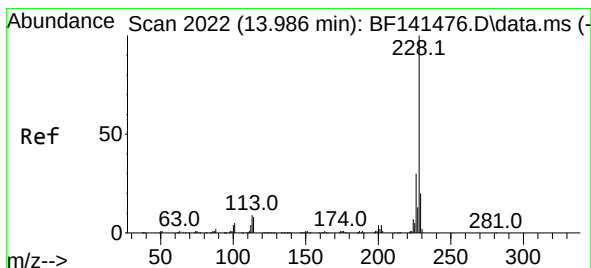
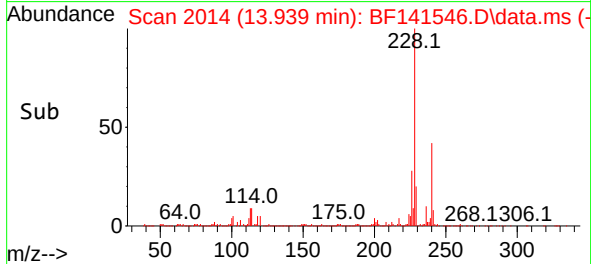
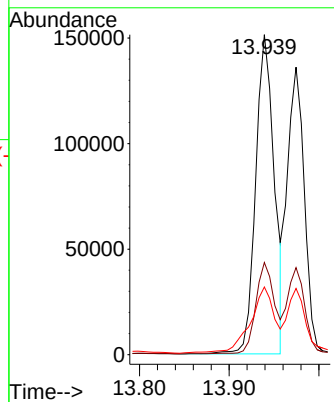


#81
Benzo(a)anthracene
Concen: 17.960 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

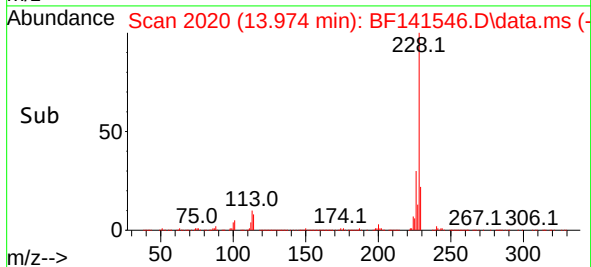
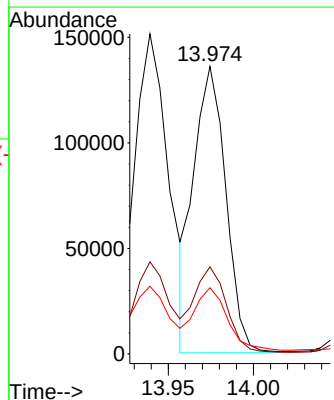
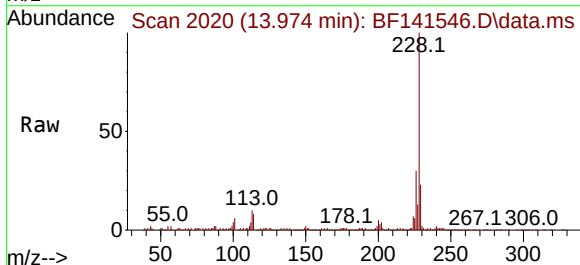


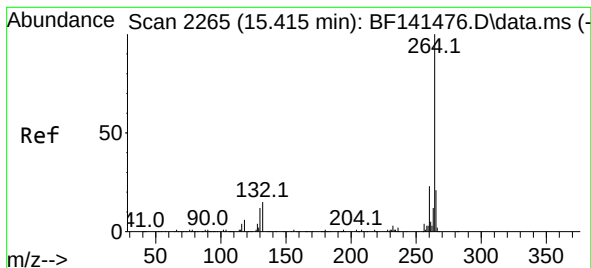
Tgt Ion:228 Resp: 218530
Ion Ratio Lower Upper
228 100
226 28.8 21.8 32.8
229 21.2 15.8 23.6



#83
Chrysene
Concen: 15.815 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:228 Resp: 177676
Ion Ratio Lower Upper
228 100
226 30.3 24.0 36.0
229 23.0 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141546.D

Acq: 10 Feb 2025 20:19

Instrument :

BNA_F

ClientSampleId :

JPP-3.5-013025DL

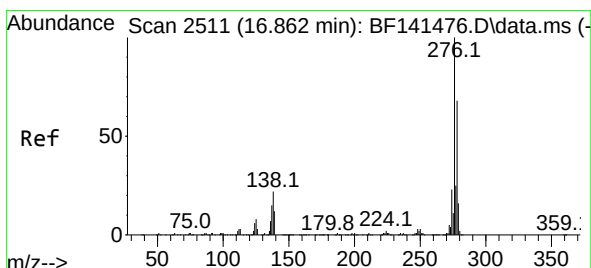
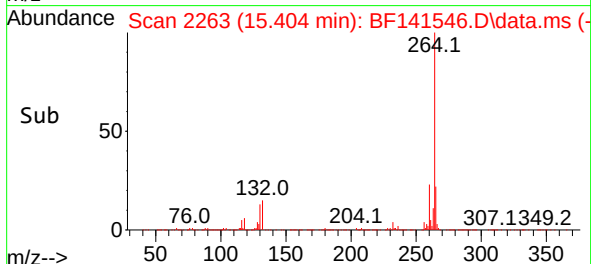
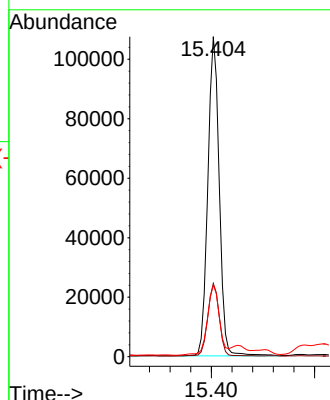
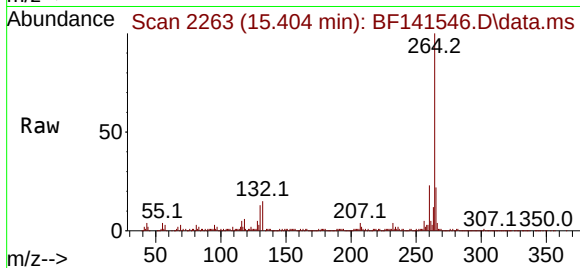
Tgt Ion:264 Resp: 164548

Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 22.4 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.354 ng

RT: 16.833 min Scan# 2506

Delta R.T. -0.041 min

Lab File: BF141546.D

Acq: 10 Feb 2025 20:19

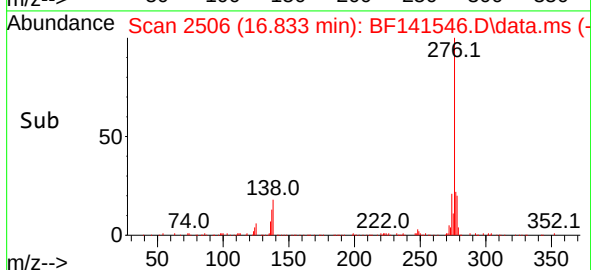
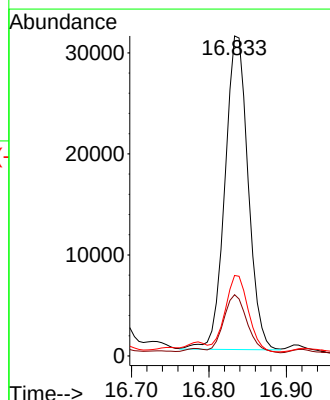
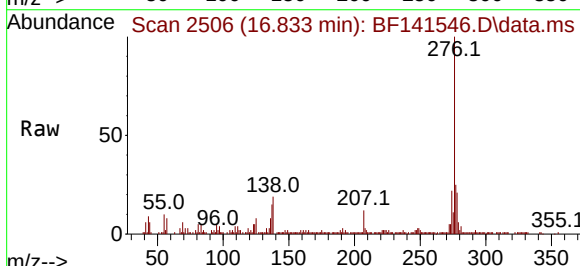
Tgt Ion:276 Resp: 64598

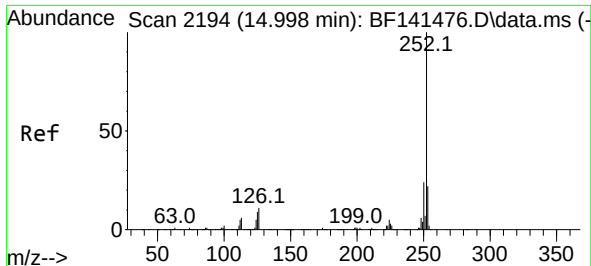
Ion Ratio Lower Upper

276 100

138 18.8 18.0 27.0

277 24.8 20.4 30.6

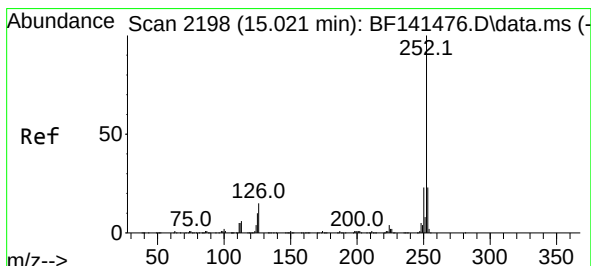
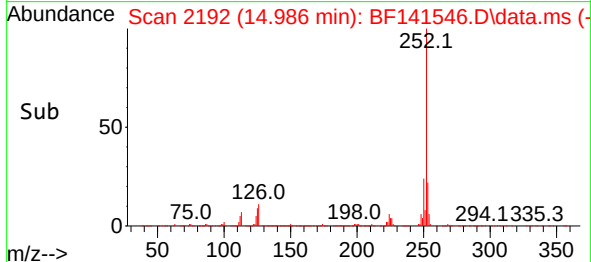
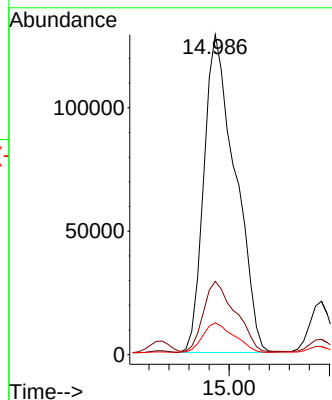
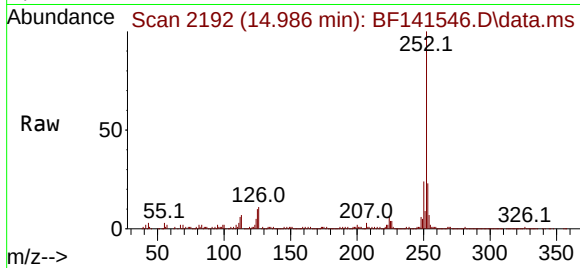




#88
Benzo(b)fluoranthene
Concen: 25.297 ng
RT: 14.986 min Scan# 2192
Delta R.T. -0.017 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

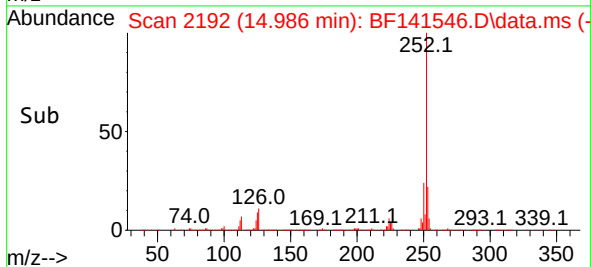
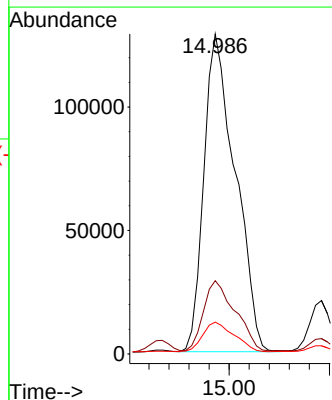
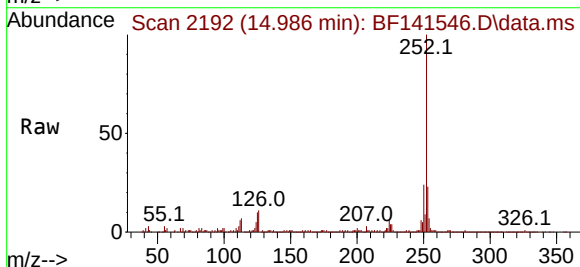
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

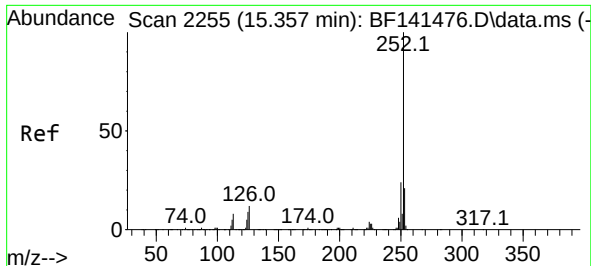
Tgt Ion:252 Resp: 279499
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.0 7.0 10.6



#89
Benzo(k)fluoranthene
Concen: 29.625 ng
RT: 14.986 min Scan# 2192
Delta R.T. -0.047 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:252 Resp: 279499
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 10.0 7.4 11.0

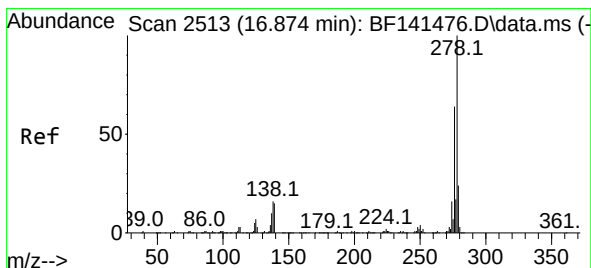
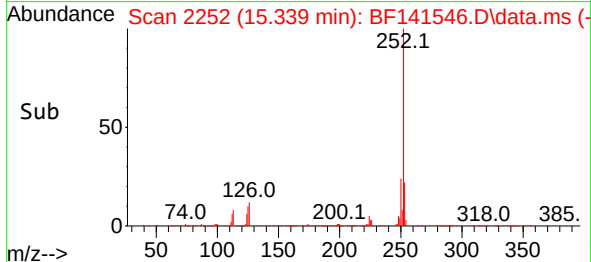
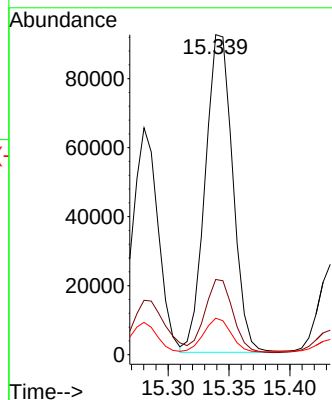
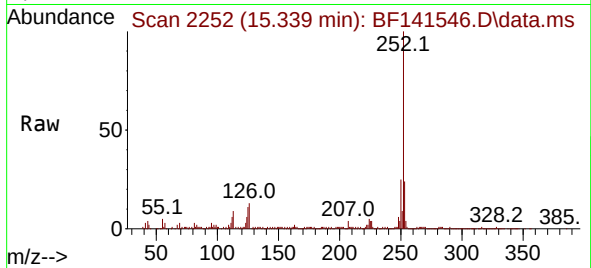




#90
Benzo(a)pyrene
Concen: 16.180 ng
RT: 15.339 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

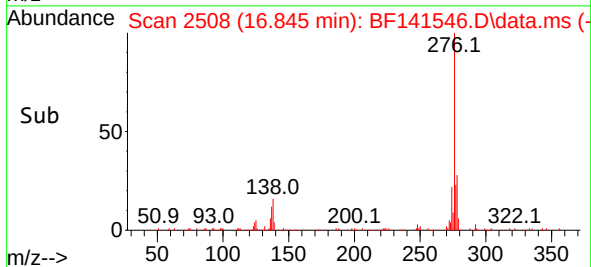
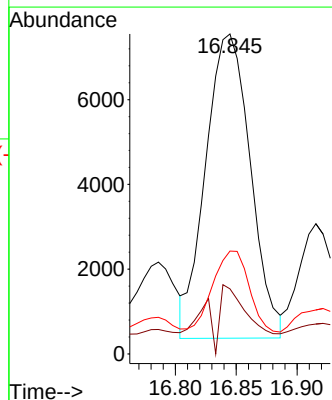
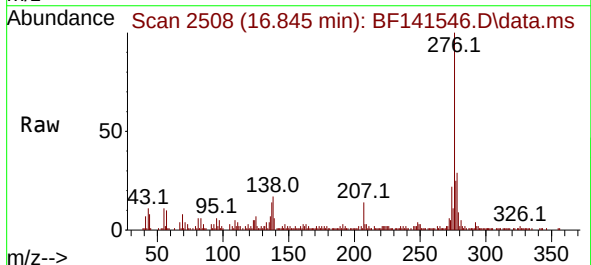
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025DL

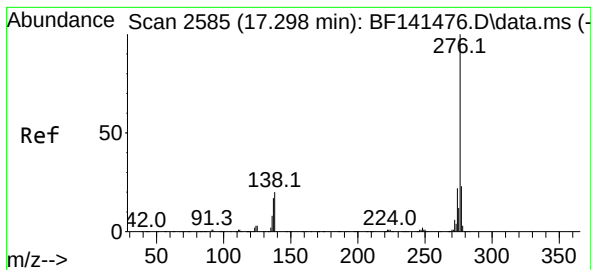
Tgt Ion:252 Resp: 144649
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 11.4 7.4 11.2#



#91
Dibenzo(a,h)anthracene
Concen: 2.229 ng
RT: 16.845 min Scan# 2508
Delta R.T. -0.047 min
Lab File: BF141546.D
Acq: 10 Feb 2025 20:19

Tgt Ion:278 Resp: 18360
Ion Ratio Lower Upper
278 100
139 20.4 11.8 17.6#
279 32.1 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 6.880 ng

RT: 17.268 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF141546.D

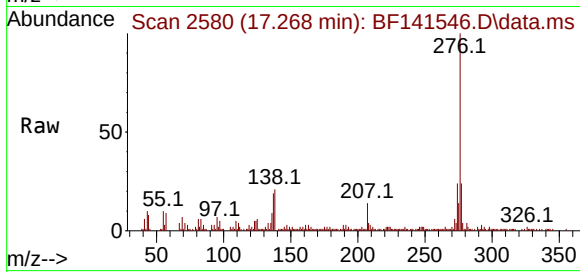
Acq: 10 Feb 2025 20:19

Instrument :

BNA_F

ClientSampleId :

JPP-3.5-013025DL



Tgt Ion:276 Resp: 59314

Ion Ratio Lower Upper

276 100

277 24.5 18.6 28.0

138 20.8 15.9 23.9

