

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141390.D
 Acq On : 04 Feb 2025 00:49
 Operator : RC/JU
 Sample : Q1232-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-46.2-012925

Quant Time: Feb 04 01:56:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

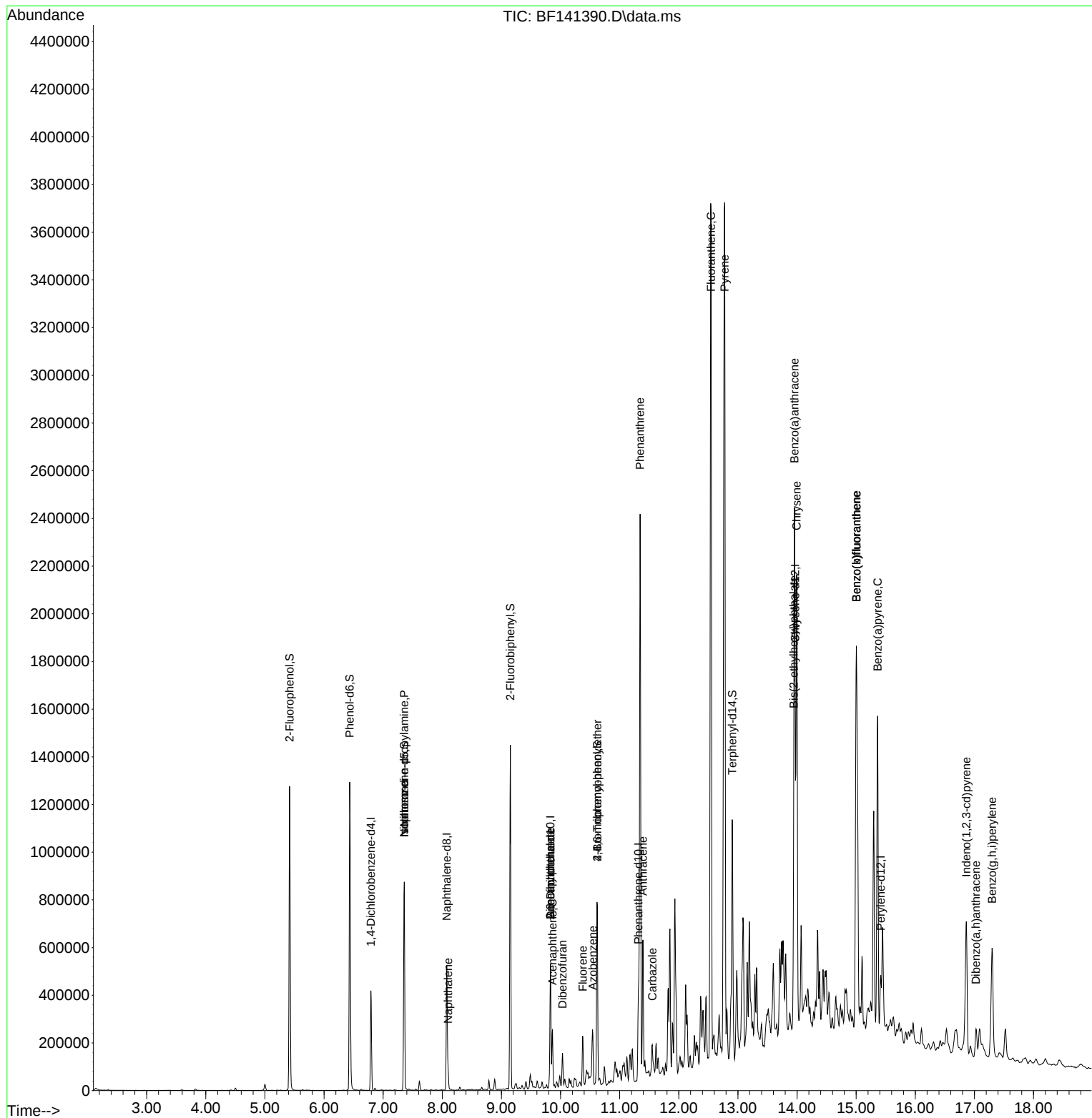
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	82605	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	314257	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	148040	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	202244	20.000	ng	-0.01
76) Chrysene-d12	13.969	240	154541	20.000	ng	0.00
86) Perylene-d12	15.416	264	126974	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	469172	87.195	ng	0.00
7) Phenol-d6	6.434	99	569936	83.263	ng	0.00
23) Nitrobenzene-d5	7.357	82	378223	63.447	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	107156	78.955	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	600614	62.447	ng	-0.01
79) Terphenyl-d14	12.904	244	453522	45.258	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	51841	12.746	ng	# 75
25) Isophorone	7.357	82	374358	36.329	ng	# 64
31) Naphthalene	8.098	128	48506	2.922	ng	100
50) Dimethylphthalate	9.828	163	21485	2.149	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	21221	9.141	ng	# 25
52) Acenaphthene	9.863	154	75275	8.365	ng	99
55) Dibenzofuran	10.034	168	59589	4.947	ng	99
58) Fluorene	10.375	166	75086	8.036	ng	98
63) Azobenzene	10.545	77	43383	4.471	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	7469	3.299	ng	# 1
71) Phenanthrene	11.345	178	1288484	118.520	ng	100
72) Anthracene	11.392	178	321885	30.218	ng	99
73) Carbazole	11.551	167	62673	6.635	ng	96
75) Fluoranthene	12.545	202	2336800	217.694	ng	98
78) Pyrene	12.775	202	2403443	162.018	ng	98
81) Benzo(a)anthracene	13.957	228	1242060	116.470	ng	96
83) Chrysene	13.992	228	1000203	102.339	ng	97
84) Bis(2-ethylhexyl)phtha...	13.945	149	22451	3.415	ng	100
87) Indeno(1,2,3-cd)pyrene	16.862	276	431428	52.644	ng	# 90
88) Benzo(b)fluoranthene	15.004	252	1473430	184.478	ng	98
89) Benzo(k)fluoranthene	15.004	252	1473430	208.243	ng	98
90) Benzo(a)pyrene	15.363	252	834756	123.679	ng	96
91) Dibenzo(a,h)anthracene	17.027	278	84731	12.851	ng	95
92) Benzo(g,h,i)perylene	17.298	276	437834	63.864	ng	96

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

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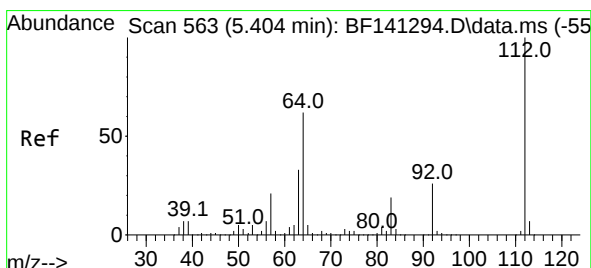
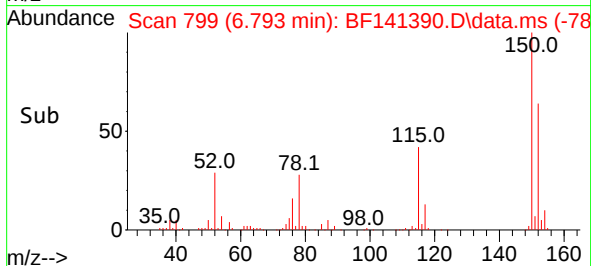
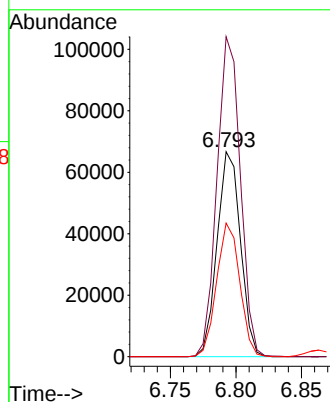
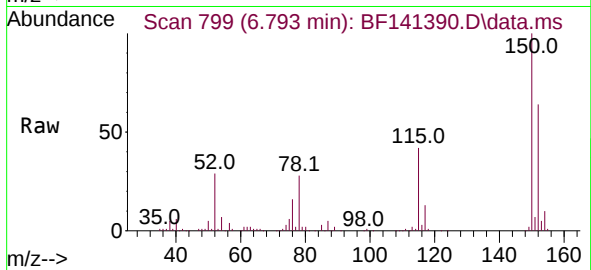




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

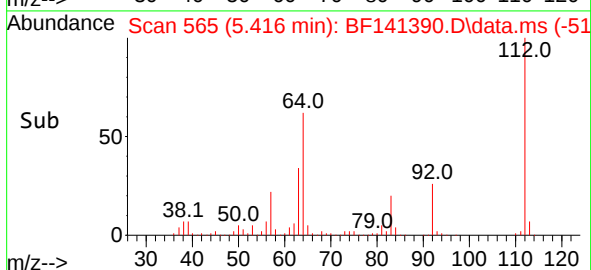
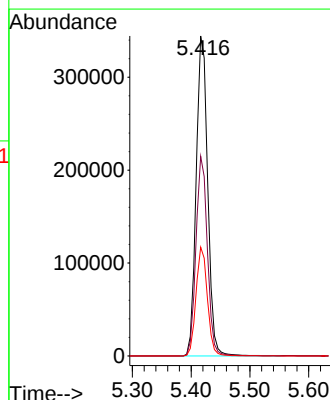
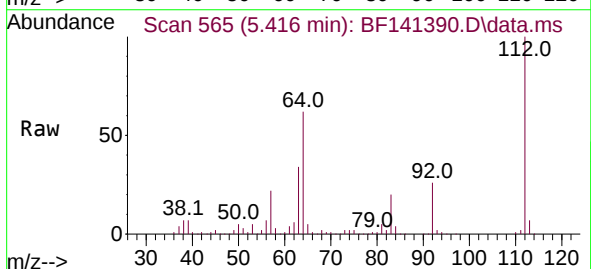
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

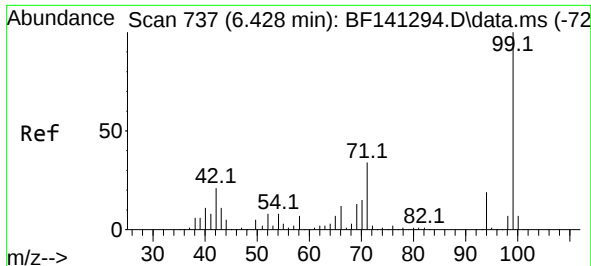
Tgt Ion:152 Resp: 82605
Ion Ratio Lower Upper
152 100
150 156.1 125.9 188.9
115 65.2 49.7 74.5



#5
2-Fluorophenol
Concen: 87.195 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion:112 Resp: 469172
Ion Ratio Lower Upper
112 100
64 62.4 49.8 74.8
63 34.0 26.1 39.1

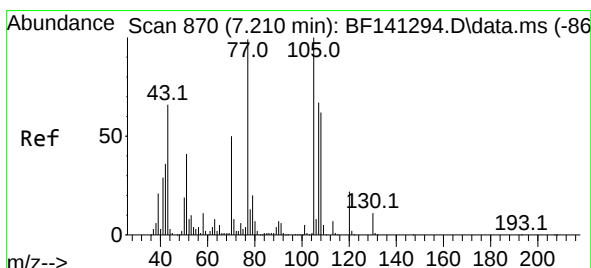
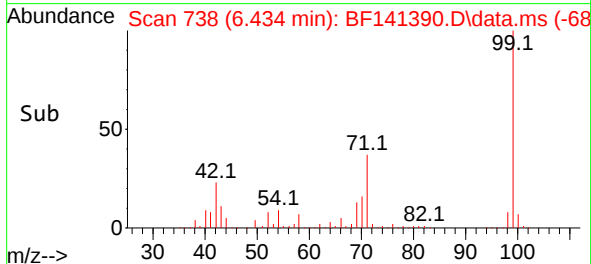
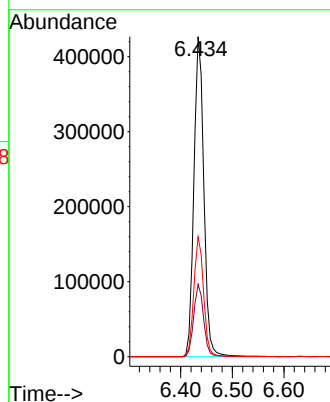
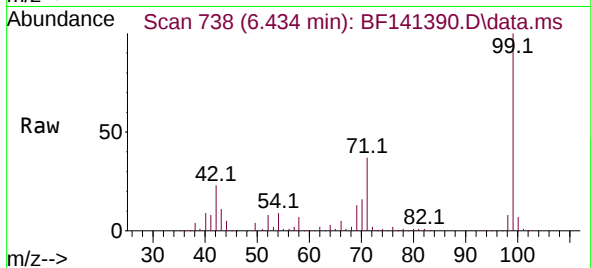




#7
Phenol-d6
Concen: 83.263 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

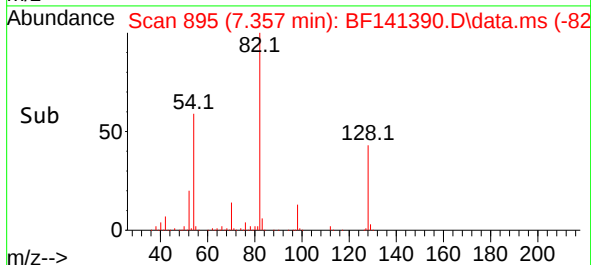
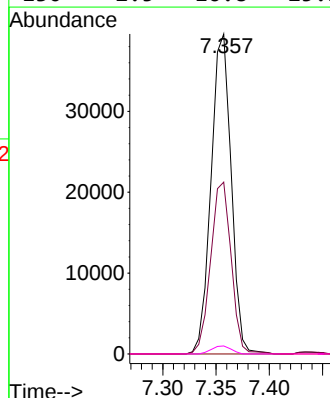
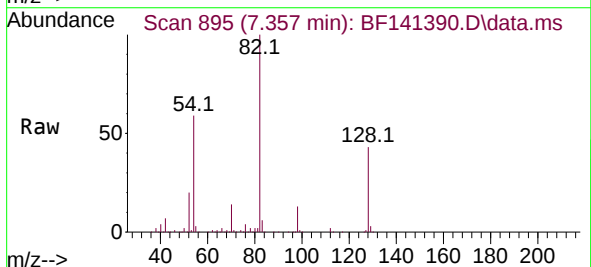
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

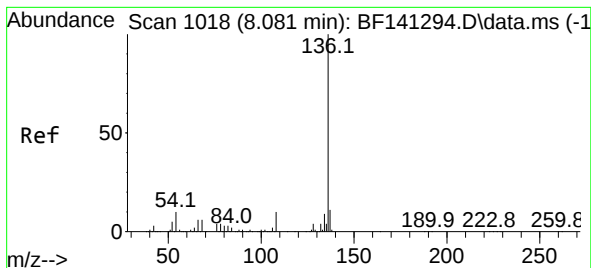
Tgt Ion: 99 Resp: 569936
Ion Ratio Lower Upper
99 100
42 22.6 17.1 25.7
71 37.5 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 12.746 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion: 70 Resp: 51841
Ion Ratio Lower Upper
70 100
42 53.7 56.8 85.2#
101 0.0 7.7 11.5#
130 2.5 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925

Tgt Ion:136 Resp: 314257

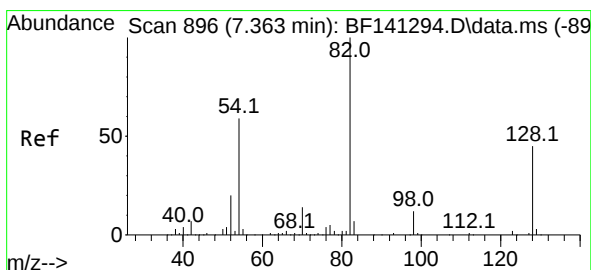
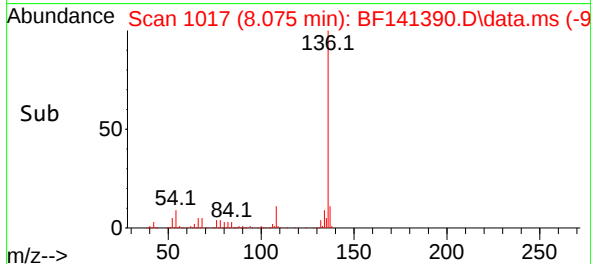
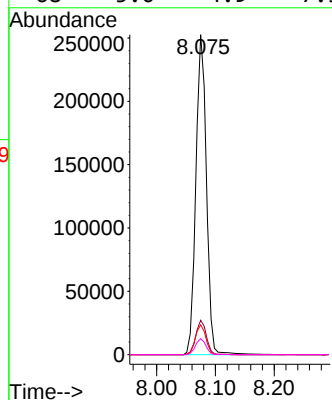
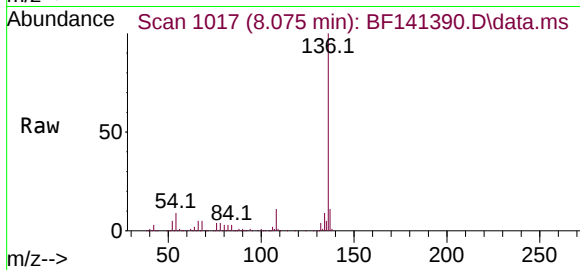
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.4 7.8 11.8

68 5.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 63.447 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

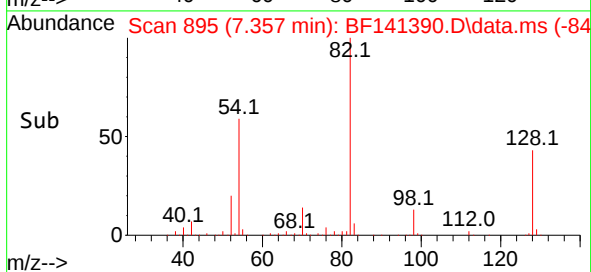
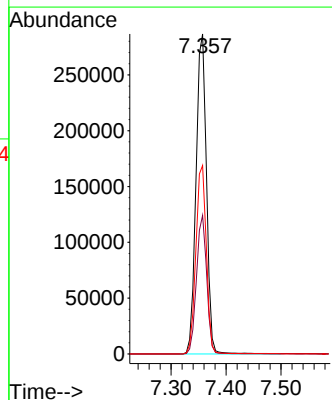
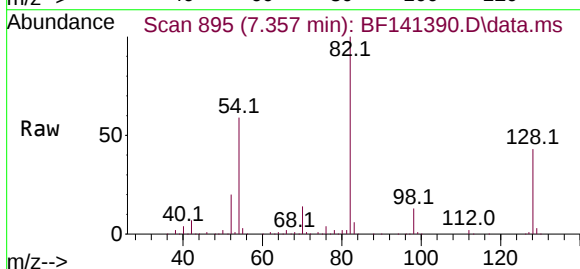
Tgt Ion: 82 Resp: 378223

Ion Ratio Lower Upper

82 100

128 43.3 35.7 53.5

54 58.9 47.1 70.7

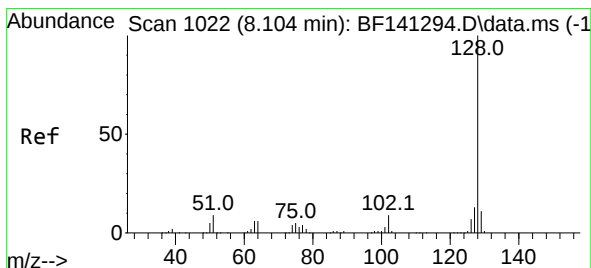
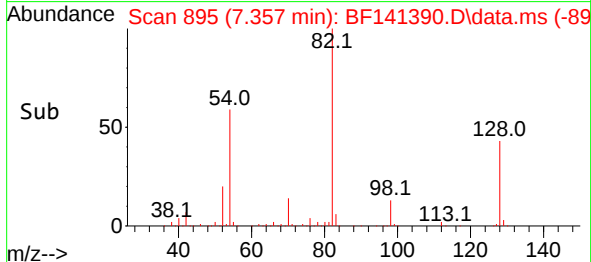
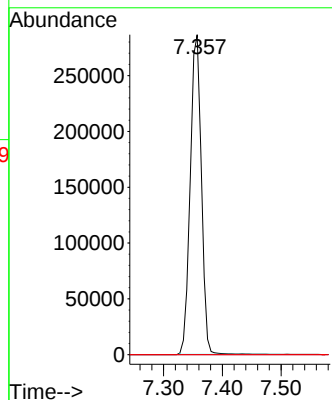
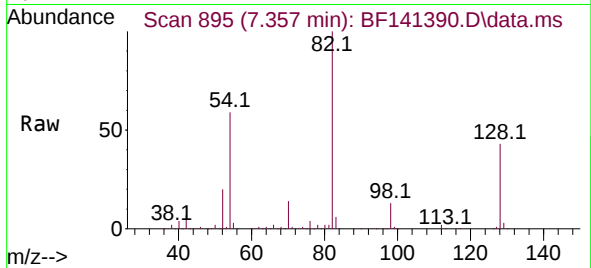




#25
Isophorone
Concen: 36.329 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

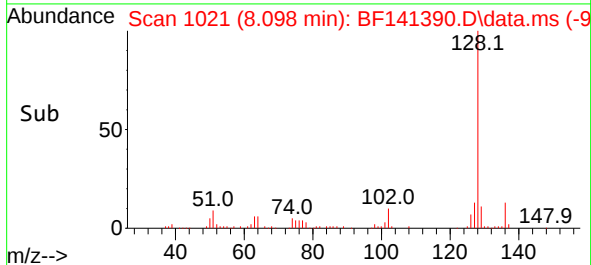
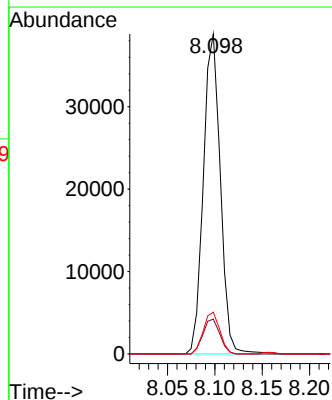
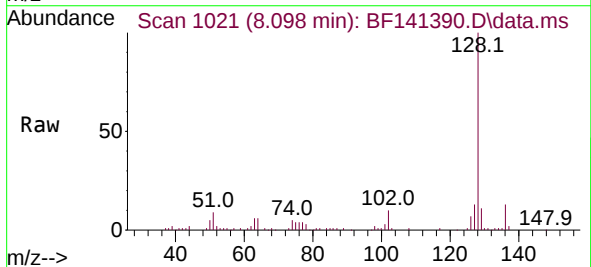
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

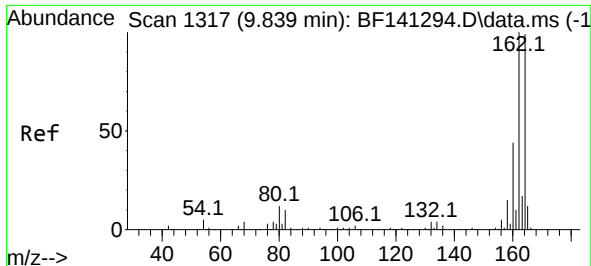
Tgt Ion: 82 Resp: 374358
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#31
Naphthalene
Concen: 2.922 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion: 128 Resp: 48506
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 13.0 10.6 15.8

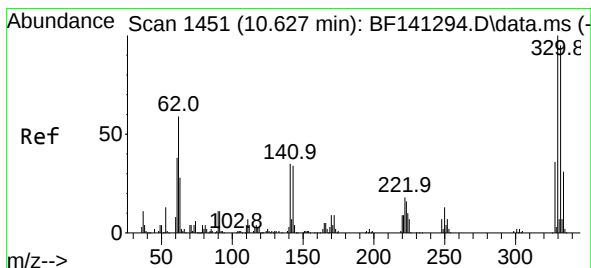
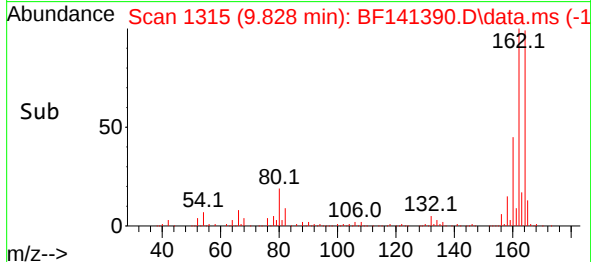
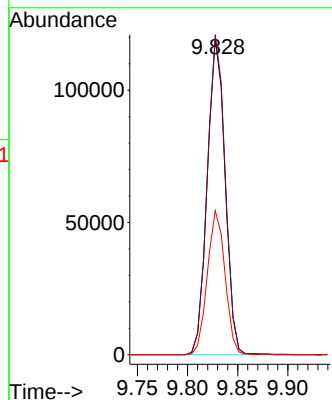
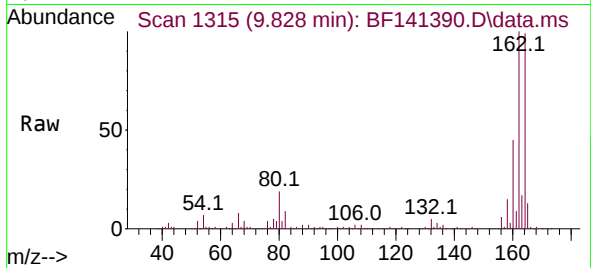




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

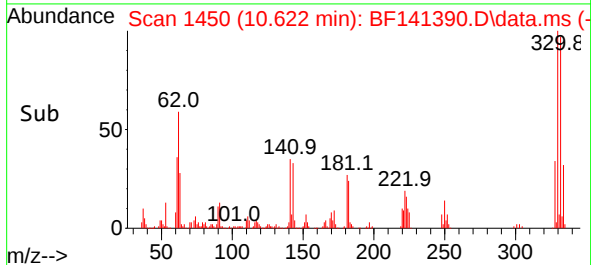
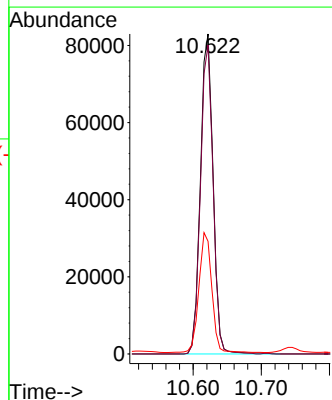
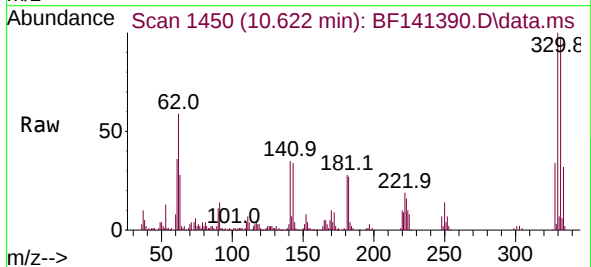
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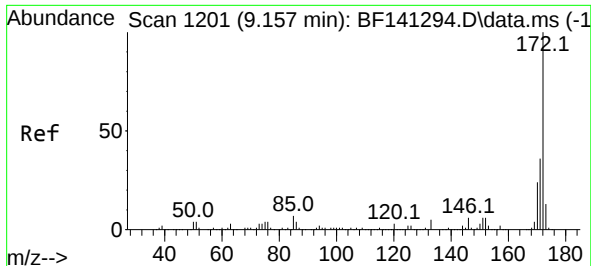
Tgt Ion:164 Resp: 148040
Ion Ratio Lower Upper
164 100
162 101.3 80.6 121.0
160 45.6 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 78.955 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion:330 Resp: 107156
Ion Ratio Lower Upper
330 100
332 95.9 76.1 114.1
141 38.1 28.8 43.2





#45

2-Fluorobiphenyl

Concen: 62.447 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925

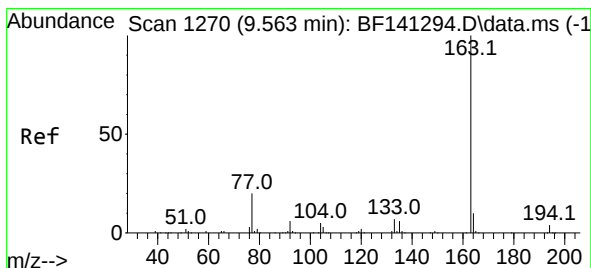
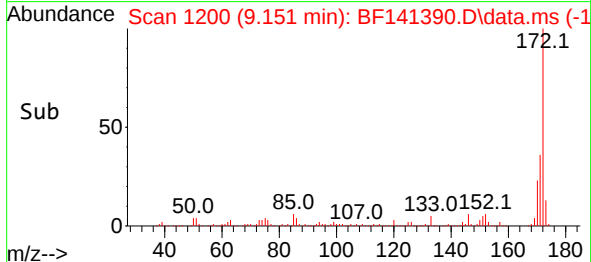
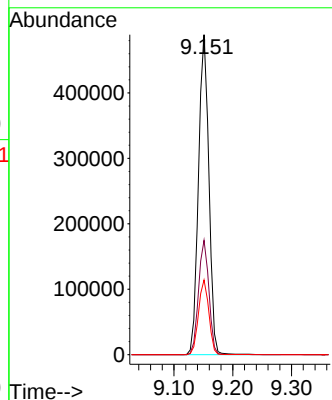
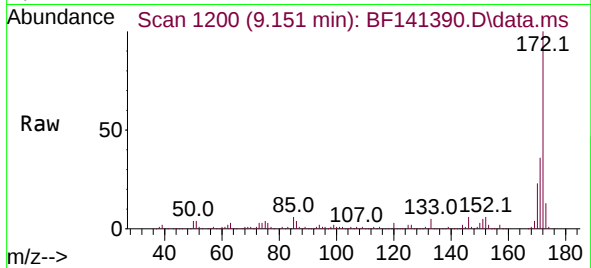
Tgt Ion:172 Resp: 600614

Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.3 19.0 28.6



#50

Dimethylphthalate

Concen: 2.149 ng

RT: 9.828 min Scan# 1315

Delta R.T. 0.259 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

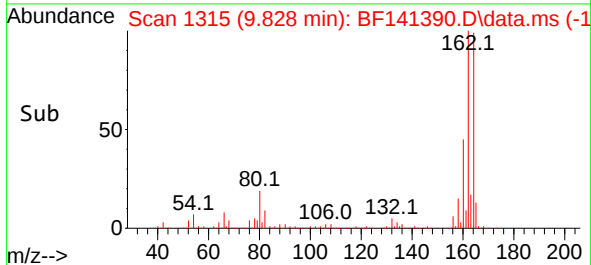
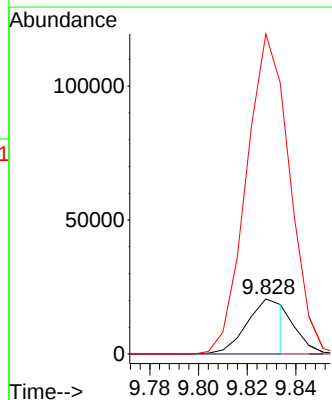
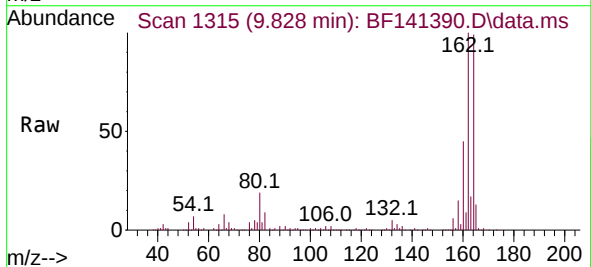
Tgt Ion:163 Resp: 21485

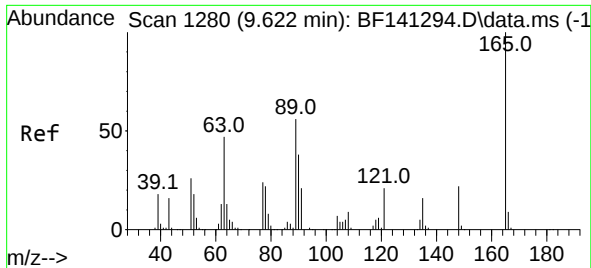
Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.6#

164 581.5 8.0 12.0#





#51

2,6-Dinitrotoluene

Concen: 9.141 ng

RT: 9.828 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925

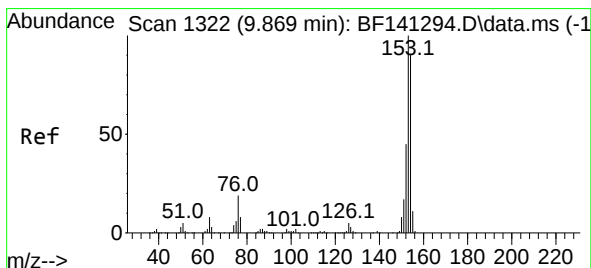
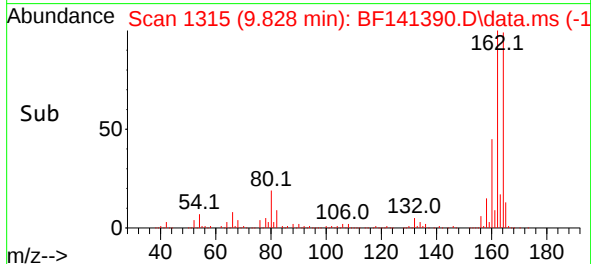
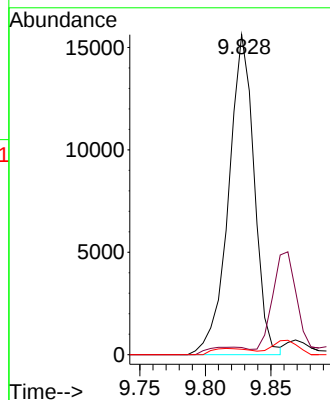
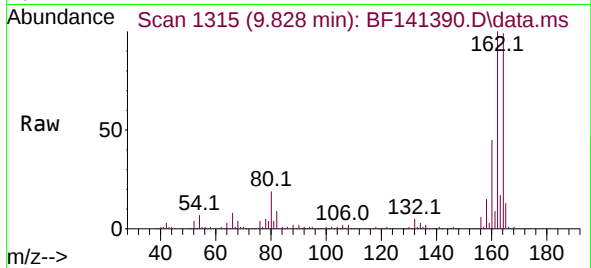
Tgt Ion:165 Resp: 21221

Ion Ratio Lower Upper

165 100

63 2.2 48.1 72.1#

89 1.7 44.9 67.3#



#52

Acenaphthene

Concen: 8.365 ng

RT: 9.863 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

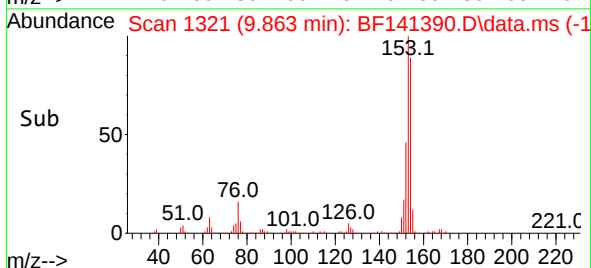
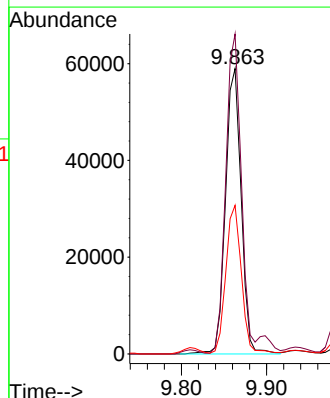
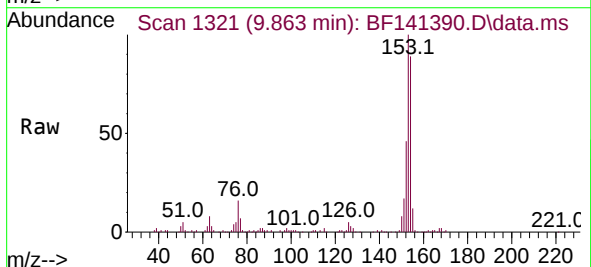
Tgt Ion:154 Resp: 75275

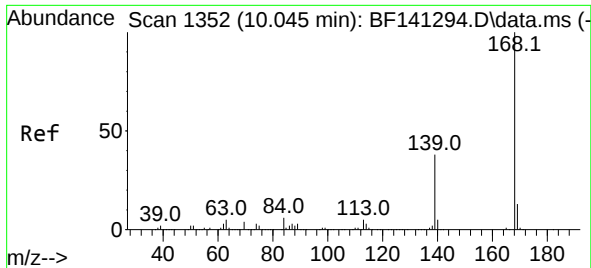
Ion Ratio Lower Upper

154 100

153 112.1 89.0 133.4

152 52.1 40.2 60.4

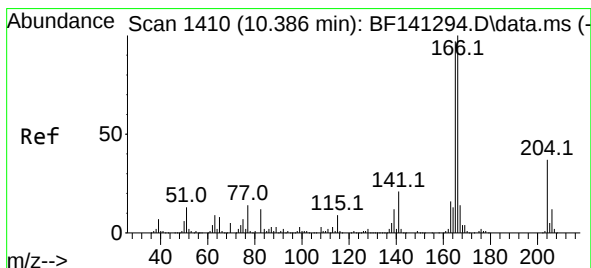
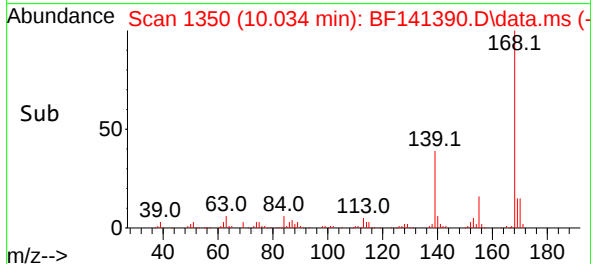
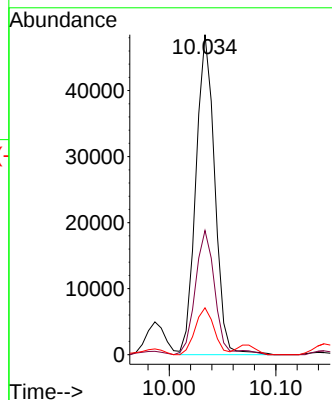
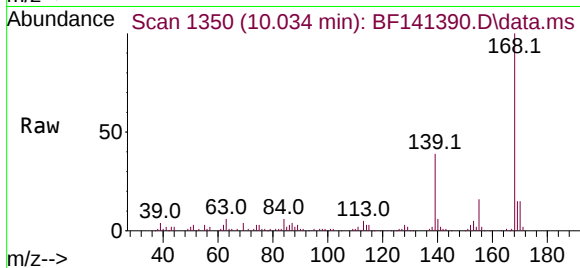




#55
Dibenzenofuran
Concen: 4.947 ng
RT: 10.034 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

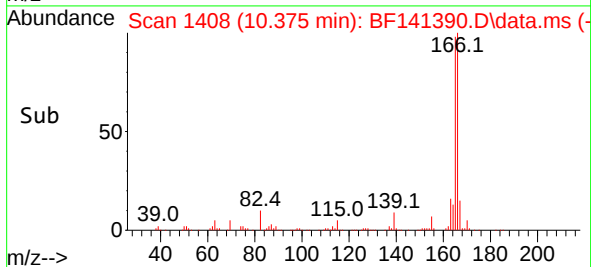
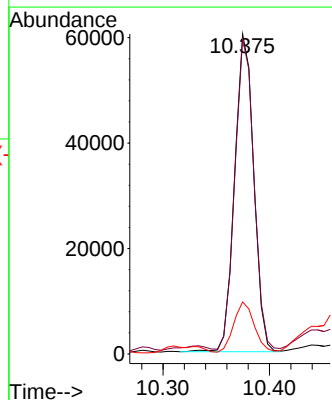
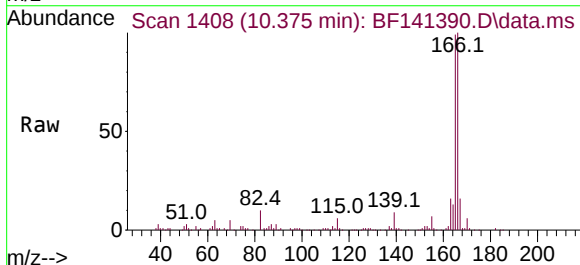
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

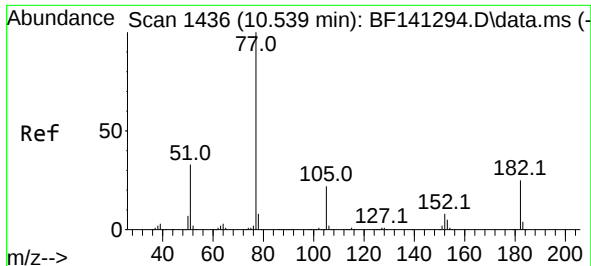
Tgt Ion:168 Resp: 59589
Ion Ratio Lower Upper
168 100
139 38.8 30.6 46.0
169 14.7 10.8 16.2



#58
Fluorene
Concen: 8.036 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion:166 Resp: 75086
Ion Ratio Lower Upper
166 100
165 98.5 77.5 116.3
167 16.3 10.9 16.3

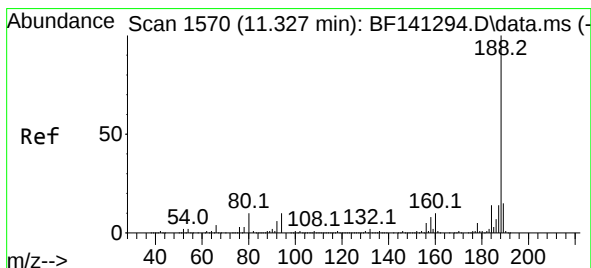
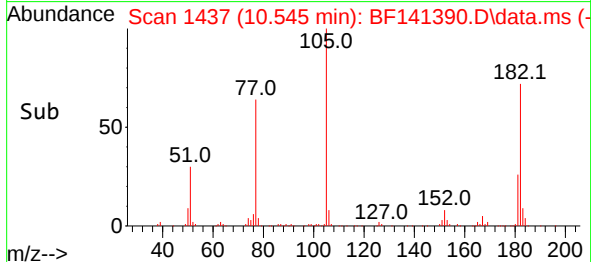
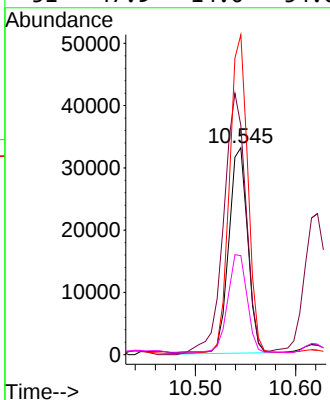
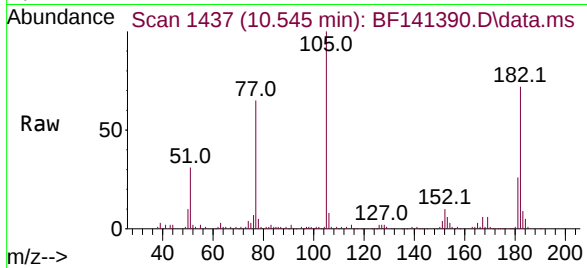




#63
Azobenzene
Concen: 4.471 ng
RT: 10.545 min Scan# 1436
Delta R.T. -0.000 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

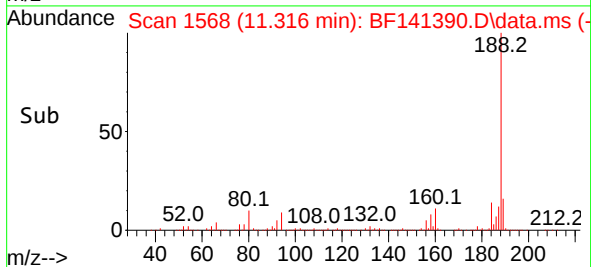
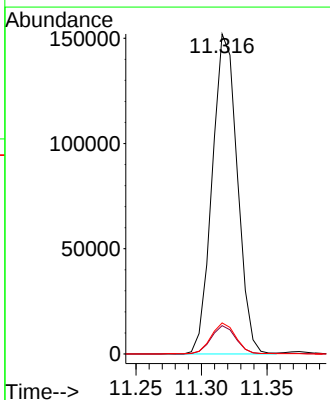
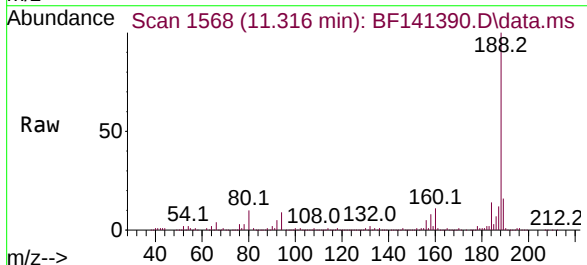
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

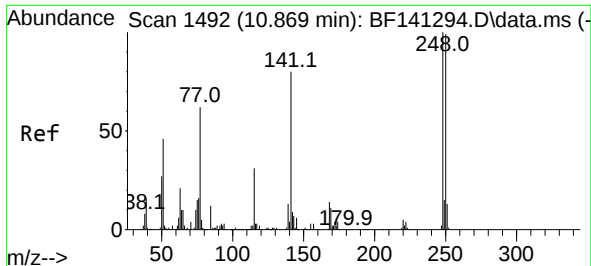
Tgt Ion: 77 Resp: 43383
Ion Ratio Lower Upper
77 100
182 110.8 5.1 45.1#
105 154.7 1.8 41.8#
51 47.9 14.0 54.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion: 188 Resp: 202244
Ion Ratio Lower Upper
188 100
94 8.8 7.8 11.6
80 9.7 8.2 12.4

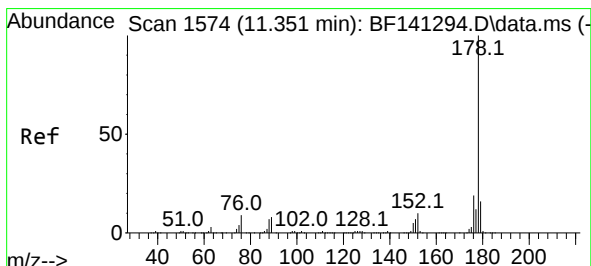
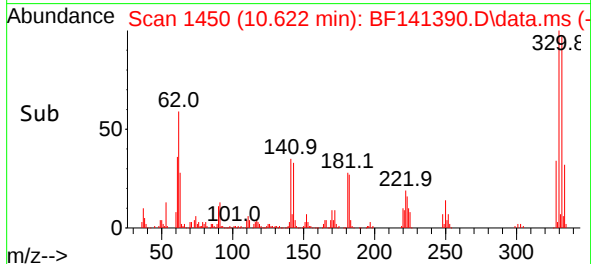
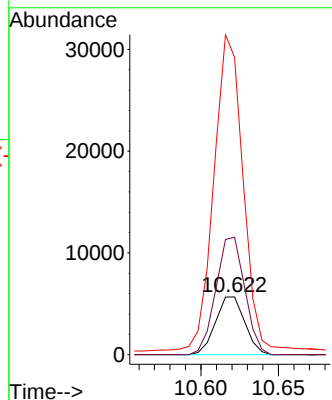
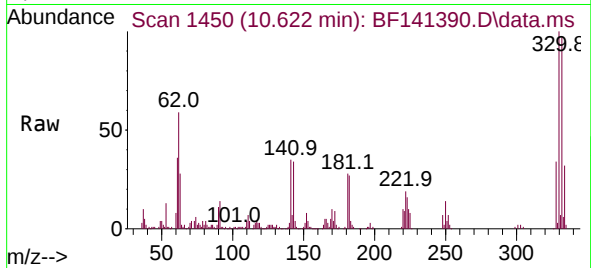




#67
4-Bromophenyl-phenylether
Concen: 3.299 ng
RT: 10.622 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

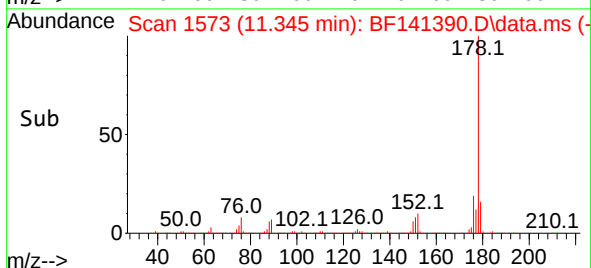
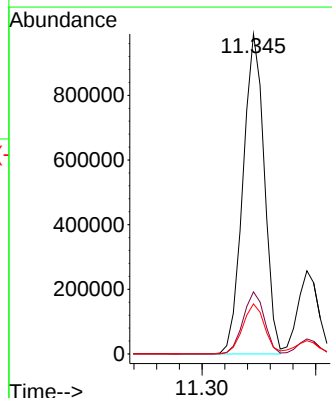
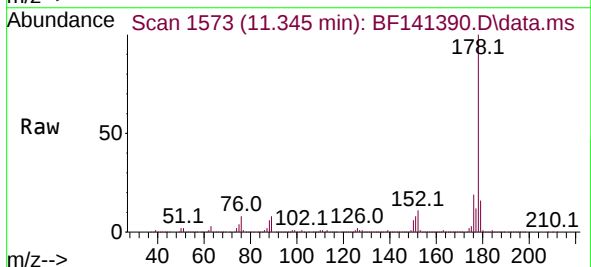
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

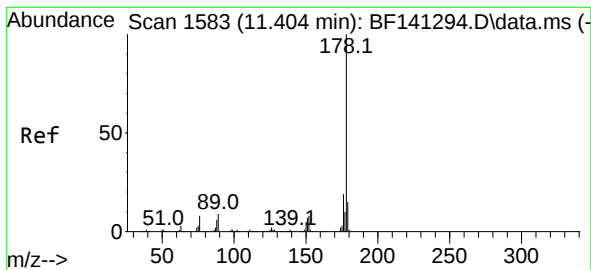
Tgt Ion:248 Resp: 7469
Ion Ratio Lower Upper
248 100
250 203.5 79.0 118.4#
141 515.0 63.7 95.5#



#71
Phenanthrene
Concen: 118.520 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion:178 Resp: 1288484
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.7 12.5 18.7





#72

Anthracene

Concen: 30.218 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925

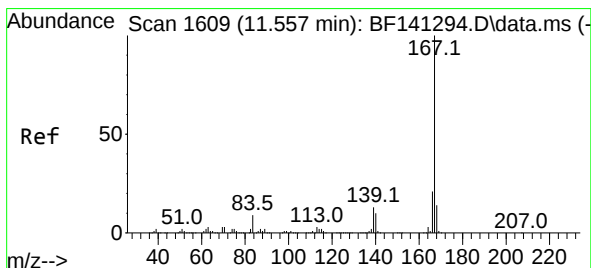
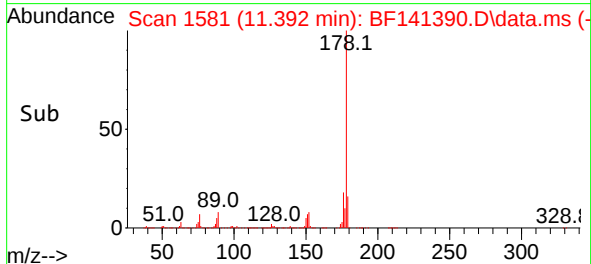
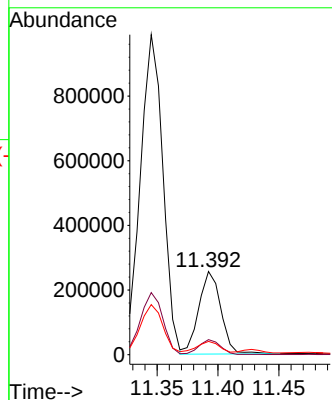
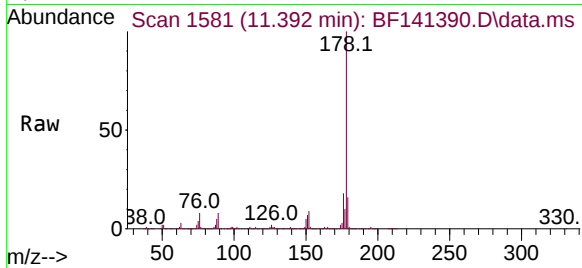
Tgt Ion:178 Resp: 321885

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.6

179 15.9 12.3 18.5



#73

Carbazole

Concen: 6.635 ng

RT: 11.551 min Scan# 1608

Delta R.T. -0.006 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

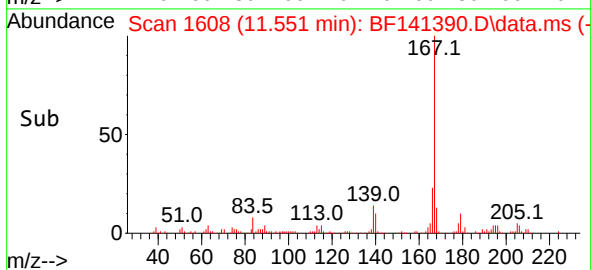
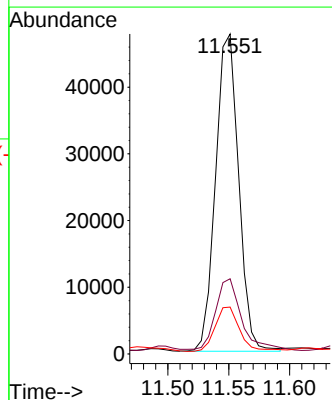
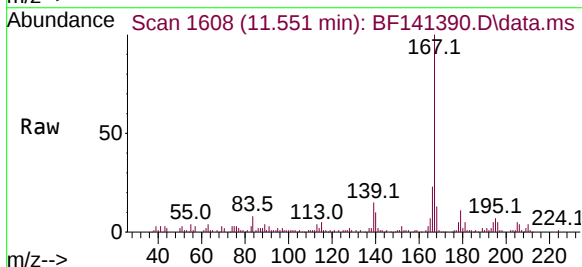
Tgt Ion:167 Resp: 62673

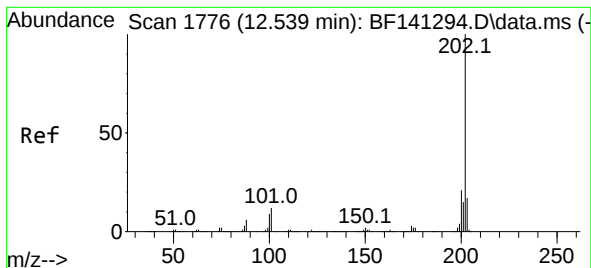
Ion Ratio Lower Upper

167 100

166 23.5 17.0 25.6

139 14.7 10.6 16.0





#75

Fluoranthene

Concen: 217.694 ng

RT: 12.545 min Scan# 1777

Delta R.T. 0.006 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925

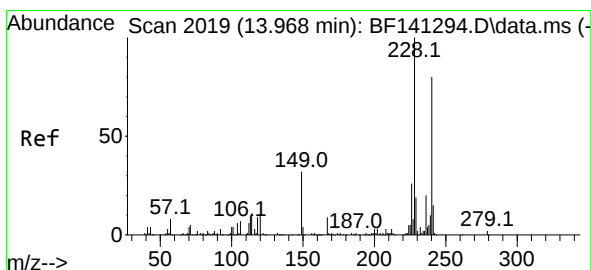
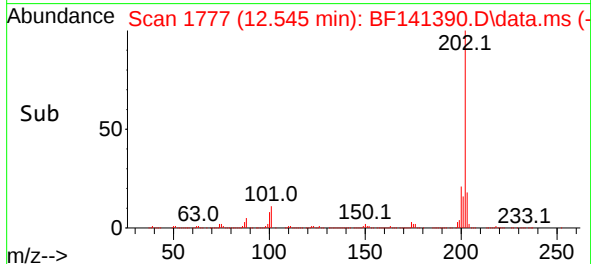
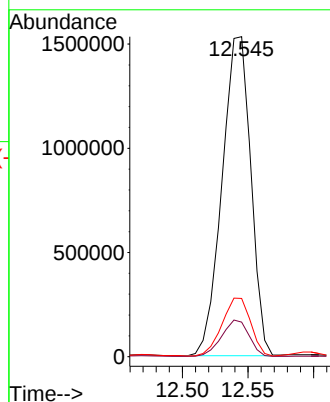
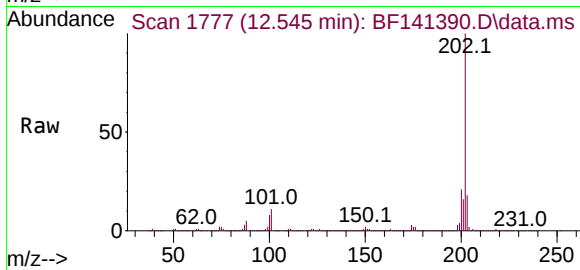
Tgt Ion:202 Resp: 2336800

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.7

203 18.2 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

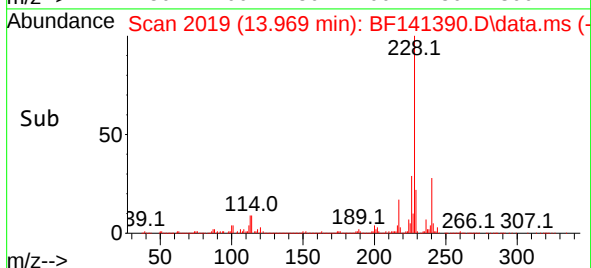
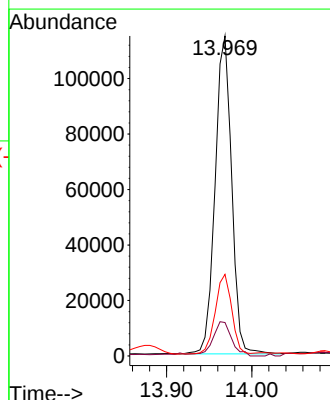
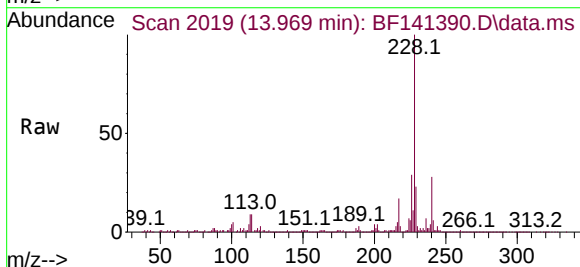
Tgt Ion:240 Resp: 154541

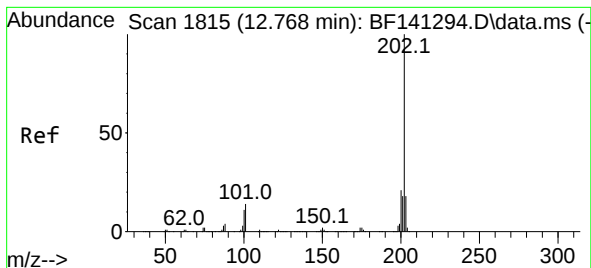
Ion Ratio Lower Upper

240 100

120 10.4 10.0 15.0

236 25.5 19.7 29.5





#78

Pyrene

Concen: 162.018 ng

RT: 12.775 min Scan# 1815

Delta R.T. 0.006 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925

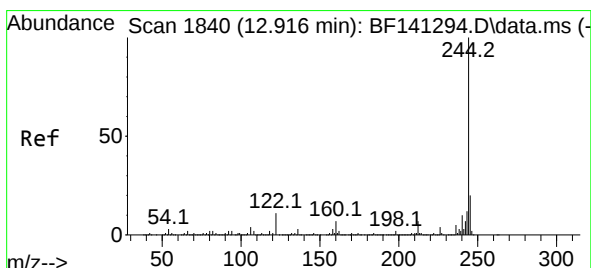
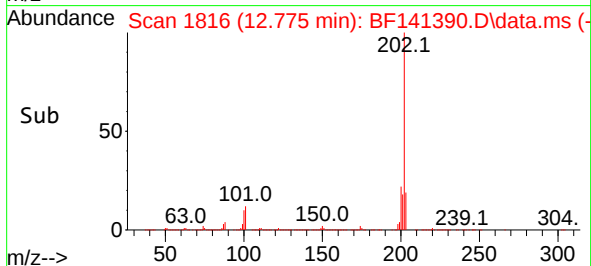
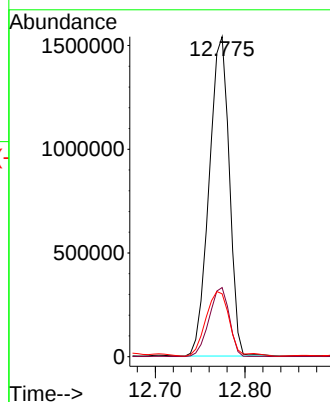
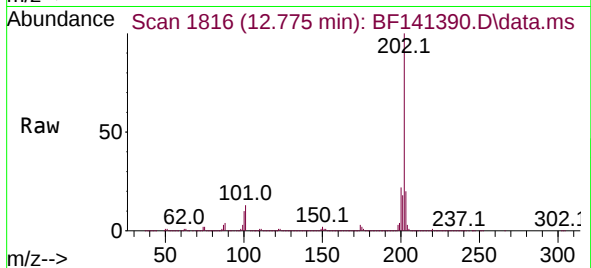
Tgt Ion:202 Resp: 2403443

Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.4

203 19.7 14.3 21.5



#79

Terphenyl-d14

Concen: 45.258 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

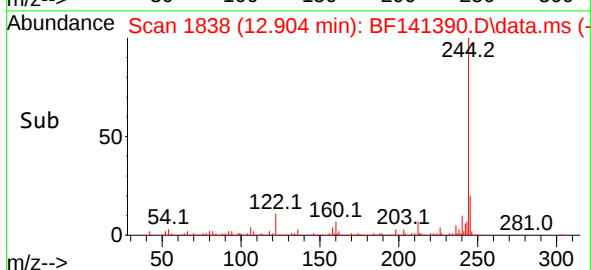
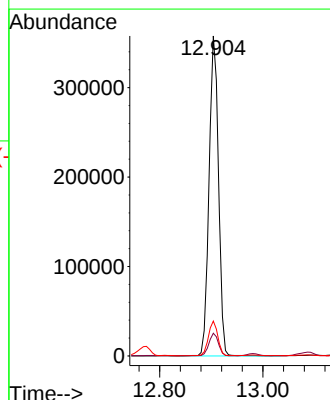
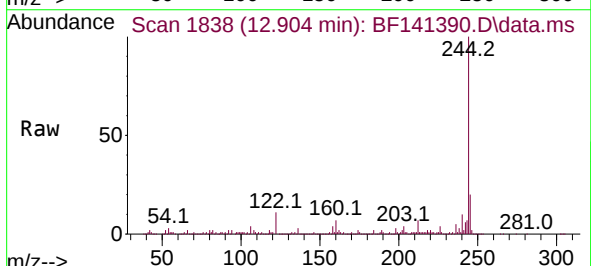
Tgt Ion:244 Resp: 453522

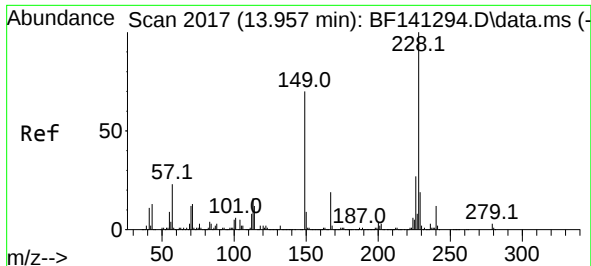
Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

122 10.9 8.8 13.2

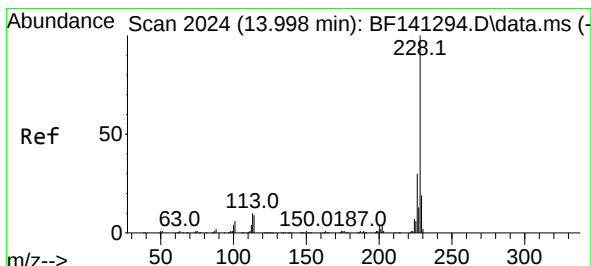
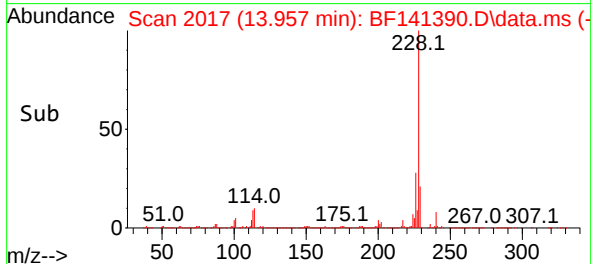
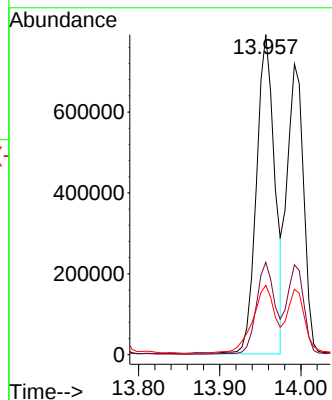
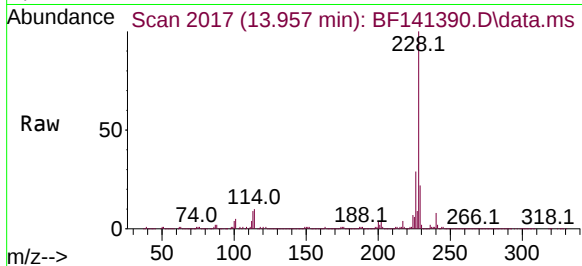




#81
Benzo(a)anthracene
Concen: 116.470 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

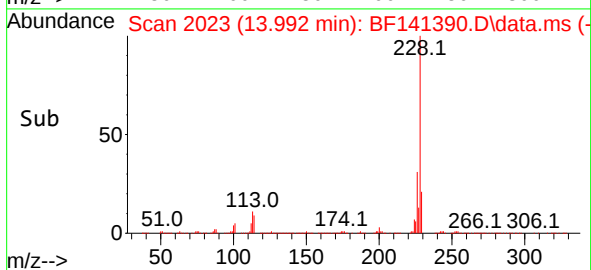
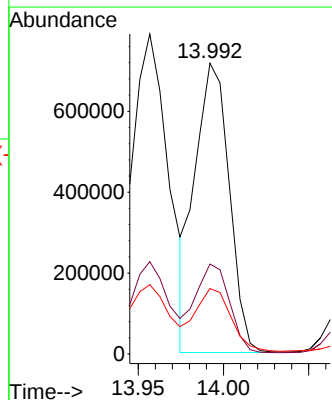
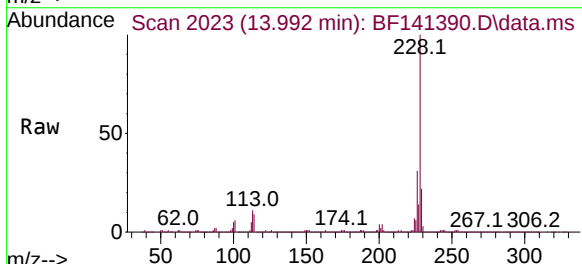
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

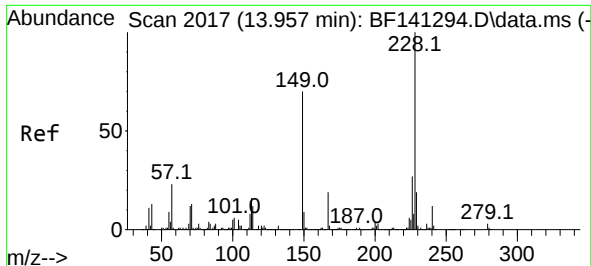
Tgt Ion:228 Resp: 1242060
Ion Ratio Lower Upper
228 100
226 28.8 21.4 32.2
229 21.7 15.5 23.3



#83
Chrysene
Concen: 102.339 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion:228 Resp: 1000203
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 22.5 15.6 23.4

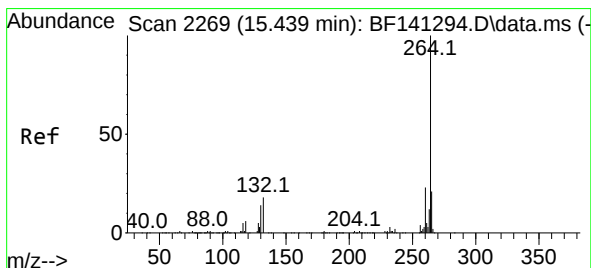
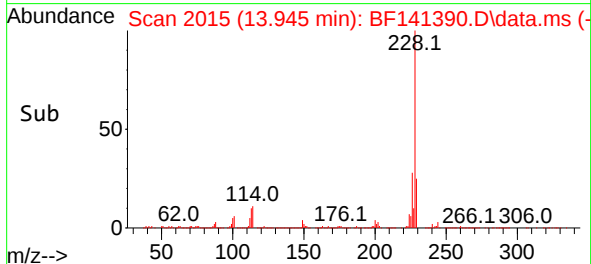
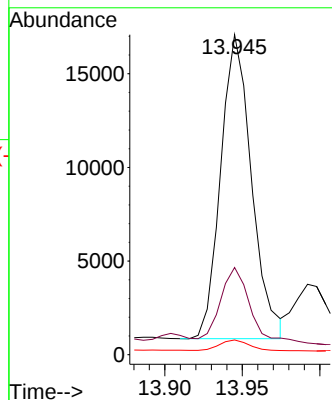
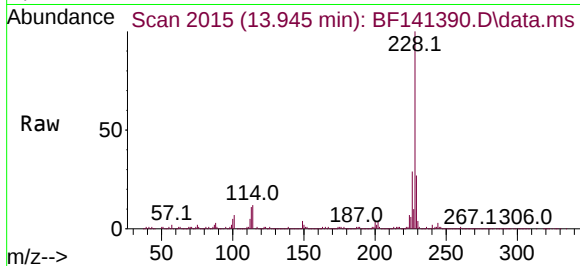




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.415 ng
RT: 13.945 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

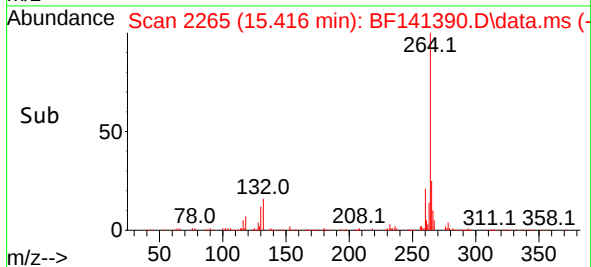
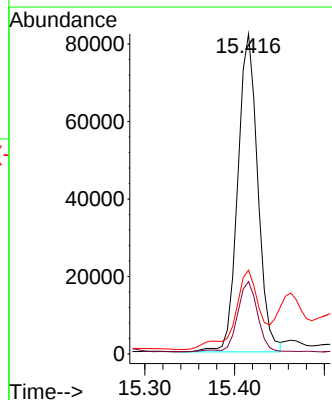
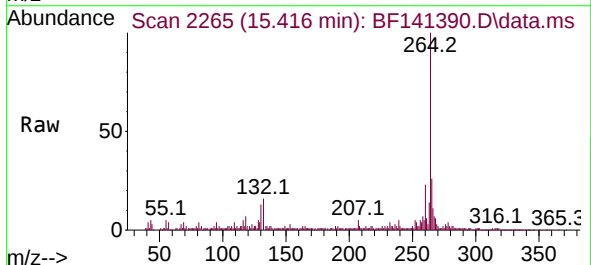
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

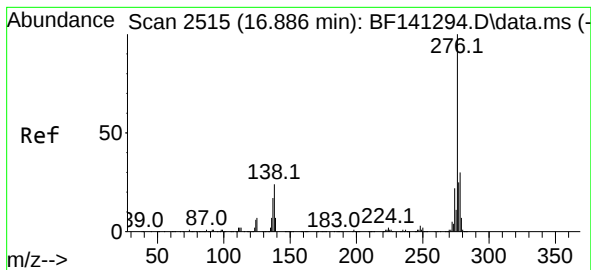
Tgt Ion:	149	Resp:	22451
Ion Ratio	Lower	Upper	
149	100		
167	27.3	21.8	32.8
279	4.6	3.3	4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion:	264	Resp:	126974
Ion Ratio	Lower	Upper	
264	100		
260	22.6	18.6	27.8
265	26.2	16.7	25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.644 ng

RT: 16.862 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925

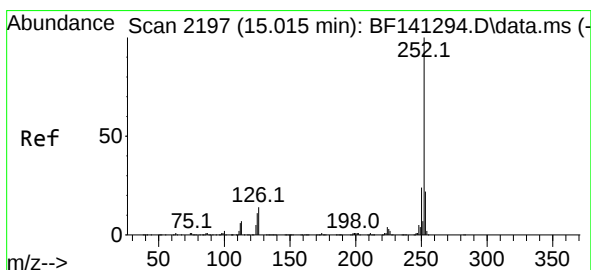
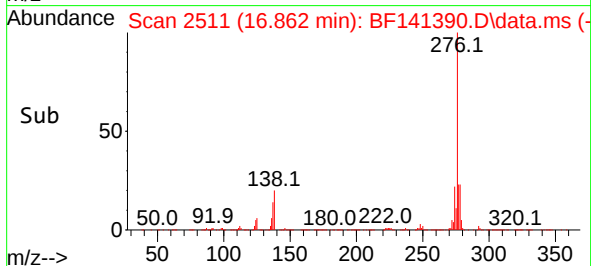
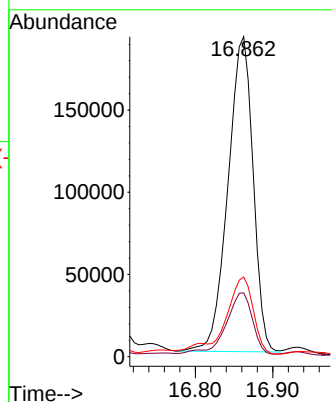
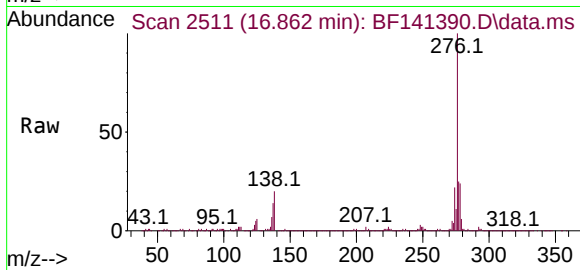
Tgt Ion:276 Resp: 431428

Ion Ratio Lower Upper

276 100

138 20.3 21.7 32.5#

277 28.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 184.478 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

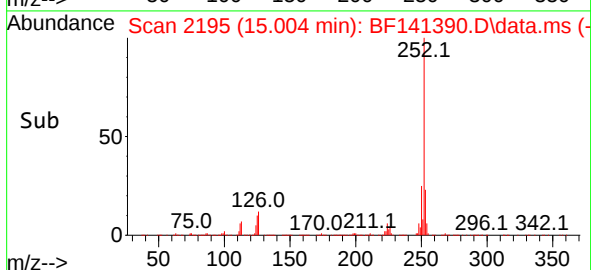
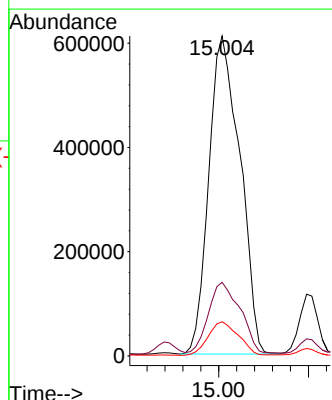
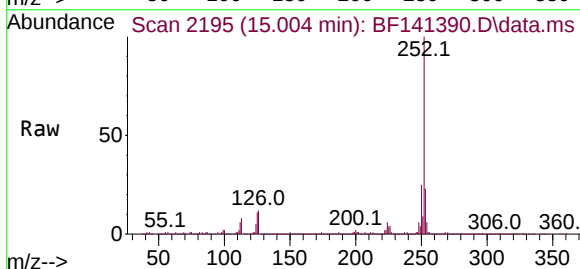
Tgt Ion:252 Resp: 1473430

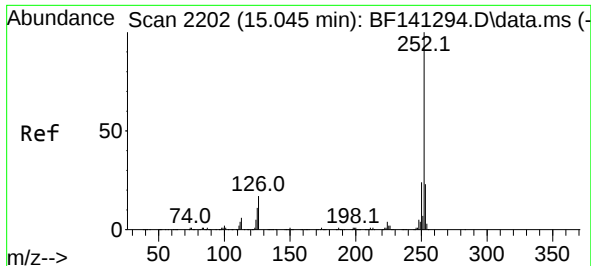
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 10.7 8.6 12.8

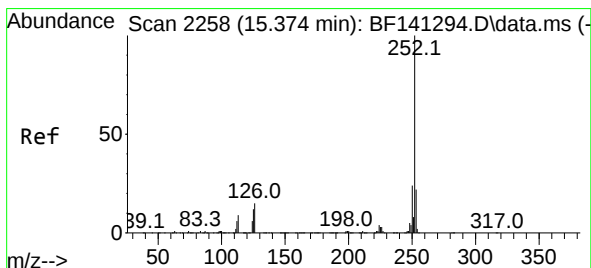
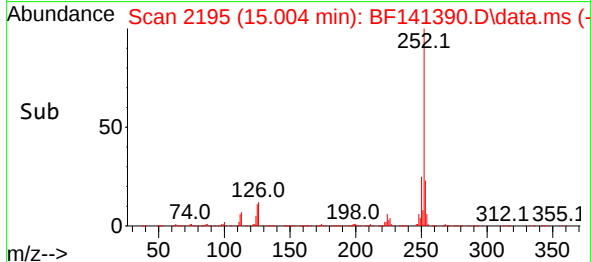
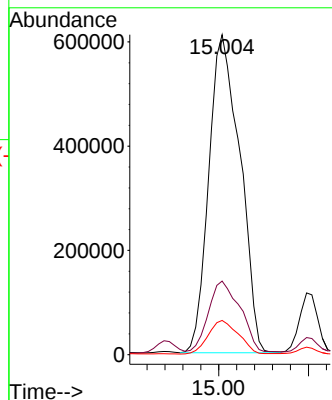
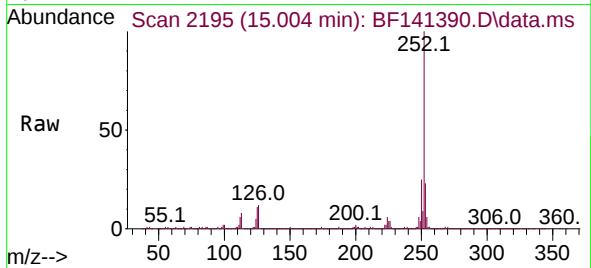




#89
Benzo(k)fluoranthene
Concen: 208.243 ng
RT: 15.004 min Scan# 2195
Delta R.T. -0.047 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

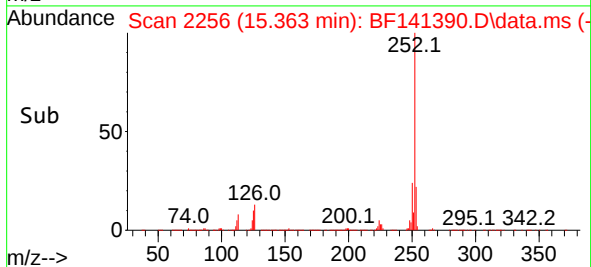
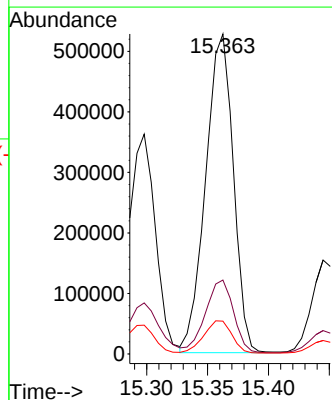
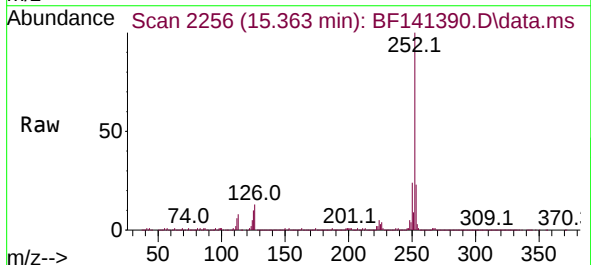
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

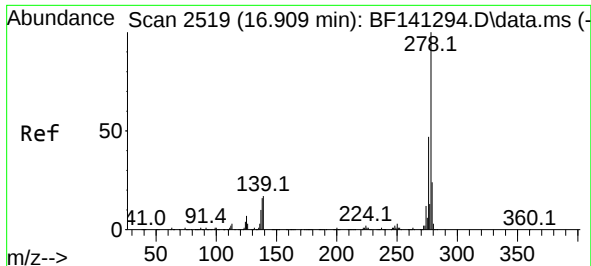
Tgt Ion:252 Resp: 1473430
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 10.7 8.4 12.6



#90
Benzo(a)pyrene
Concen: 123.679 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion:252 Resp: 834756
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 10.3 9.4 14.2

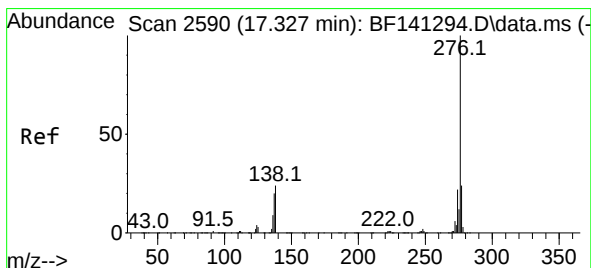
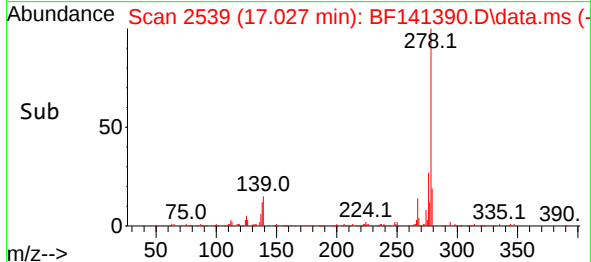
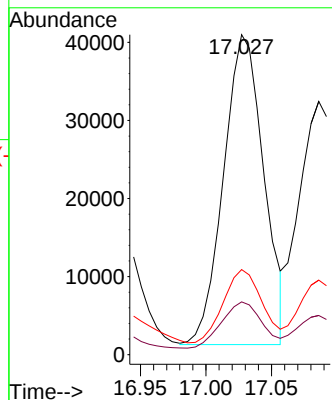
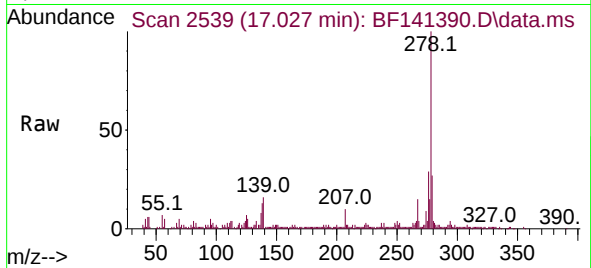




#91
Dibenzo(a,h)anthracene
Concen: 12.851 ng
RT: 17.027 min Scan# 21
Delta R.T. 0.106 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

Tgt Ion:278 Resp: 84731
Ion Ratio Lower Upper
278 100
139 16.5 13.9 20.9
279 26.6 18.8 28.2



#92
Benzo(g,h,i)perylene
Concen: 63.864 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion:276 Resp: 437834
Ion Ratio Lower Upper
276 100
277 24.3 19.2 28.8
138 20.4 19.0 28.4

