

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020323\
 Data File : BF132331.D
 Acq On : 03 Feb 2023 20:10
 Operator : CG\JU
 Sample : 01418-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-20-020223

Quant Time: Feb 04 01:41:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 04 01:32:42 2023
 Response via : Initial Calibration

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

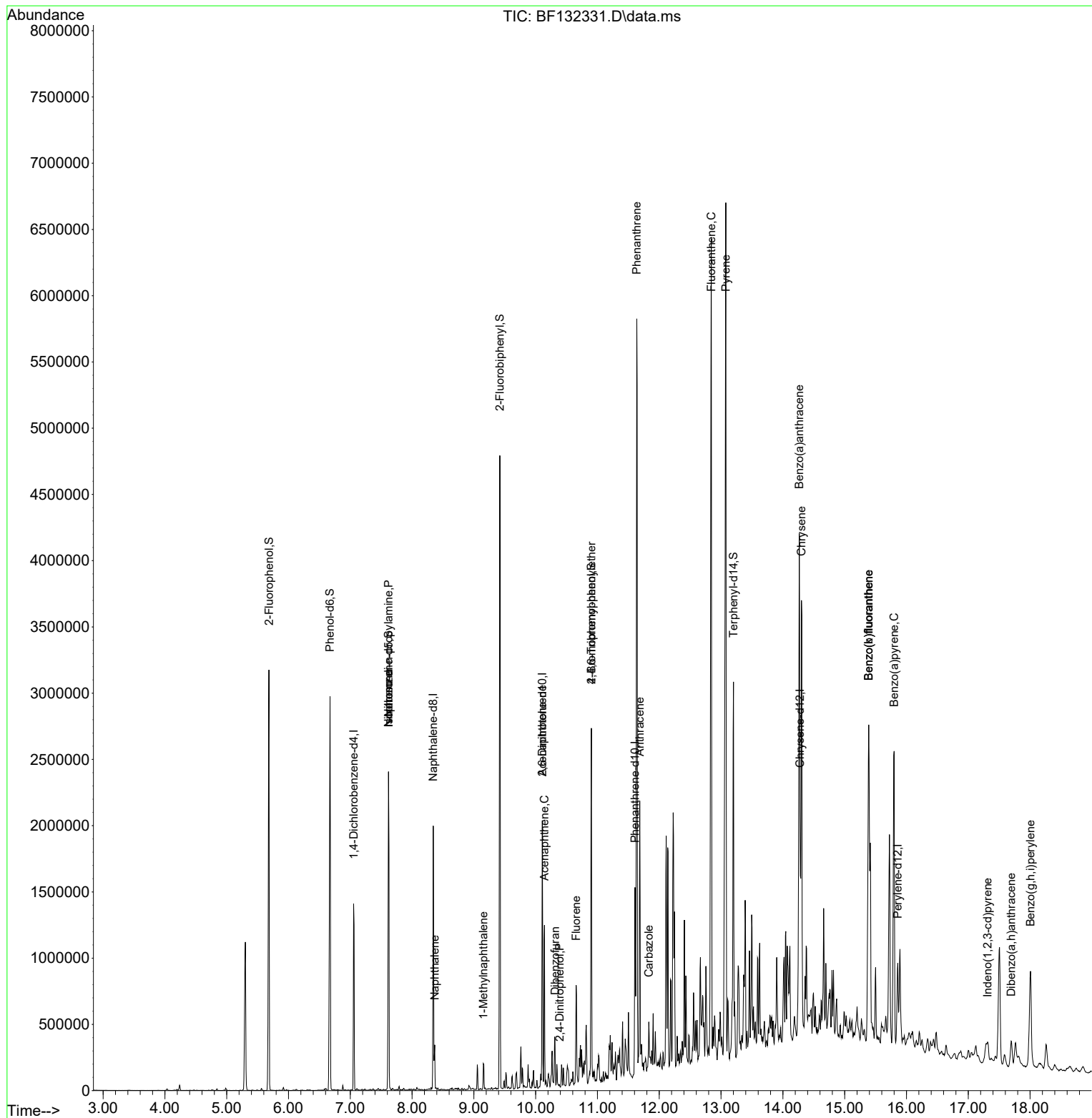
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.054	152	224026	20.000	ng	0.00
21) Naphthalene-d8	8.342	136	828230	20.000	ng	0.00
39) Acenaphthene-d10	10.107	164	387268	20.000	ng	0.00
64) Phenanthrene-d10	11.607	188	568935	20.000	ng	0.00
76) Chrysene-d12	14.277	240	279827	20.000	ng	0.00
86) Perylene-d12	15.860	264	272111	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.684	112	1076849	77.264	ng	0.00
7) Phenol-d6	6.672	99	1314815	76.520	ng	0.00
23) Nitrobenzene-d5	7.619	82	844851	56.764	ng	-0.01
42) 2,4,6-Tribromophenol	10.901	330	311948	78.329	ng	0.00
45) 2-Fluorobiphenyl	9.419	172	1465109	58.422	ng	0.00
79) Terphenyl-d14	13.201	244	960424	66.393	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.607	77	1536	Below Cal	#	65
19) n-Nitroso-di-n-propyla...	7.619	70	107096	10.973	ng	# 76
25) Isophorone	7.619	82	843710	29.867	ng	# 64
31) Naphthalene	8.366	128	130643	3.205	ng	98
38) 1-Methylnaphthalene	9.154	142	52393	2.042	ng	98
51) 2,6-Dinitrotoluene	10.107	165	56842	9.395	ng	# 25
52) Acenaphthene	10.142	154	252437	10.864	ng	97
54) 2,4-Dinitrophenol	10.389	184	819	4.549	ng	# 60
55) Dibenzofuran	10.313	168	120034	3.677	ng	94
58) Fluorene	10.654	166	201574	8.023	ng	98
67) 4-Bromophenyl-phenylether	10.901	248	17961	3.083	ng	# 1
71) Phenanthrene	11.636	178	2523549	84.882	ng	98
72) Anthracene	11.683	178	728908	24.091	ng	99
73) Carbazole	11.830	167	117633	4.336	ng	98
75) Fluoranthene	12.842	202	2994611	98.705	ng	96
78) Pyrene	13.077	202	3196162	142.009	ng	95
81) Benzo(a)anthracene	14.265	228	1702901	87.009	ng	96
83) Chrysene	14.301	228	1355880	73.985	ng	98
87) Indeno(1,2,3-cd)pyrene	17.312	276	119398	6.604	ng	95
88) Benzo(b)fluoranthene	15.389	252	2187937	126.495	ng	98
89) Benzo(k)fluoranthene	15.389	252	2185375	132.366	ng	99
90) Benzo(a)pyrene	15.801	252	1254883	77.912	ng	97
91) Dibenzo(a,h)anthracene	17.695	278	137079	9.430	ng	98
92) Benzo(g,h,i)perylene	18.006	276	639293	42.569	ng	98

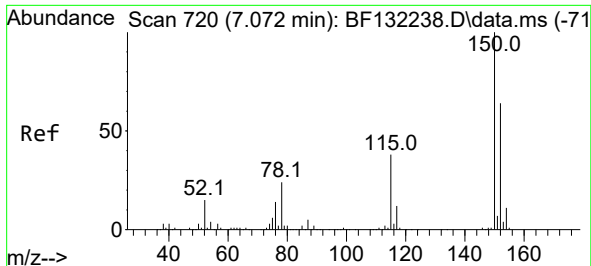
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020323\
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Sample : 01418-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-20-020223

Quant Time: Feb 04 01:41:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 04 01:32:42 2023
Response via : Initial Calibration

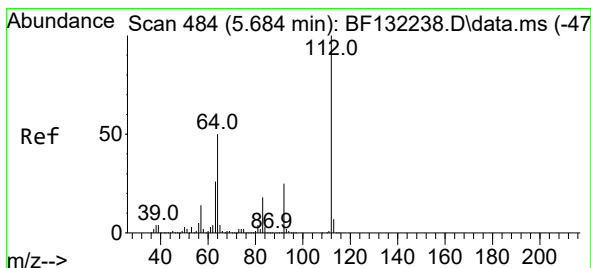
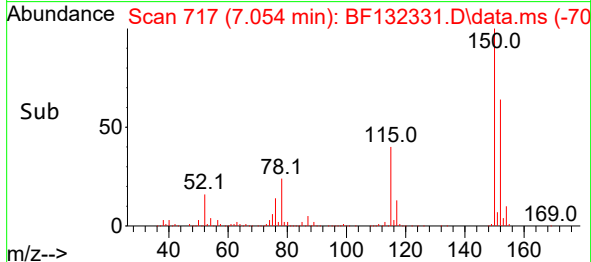
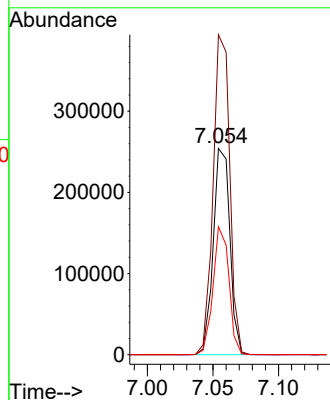
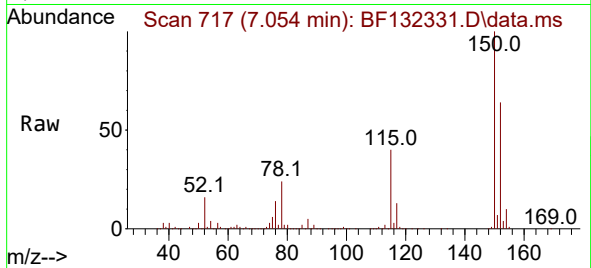




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.054 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF132331.D
 Acq: 03 Feb 2023 20:10

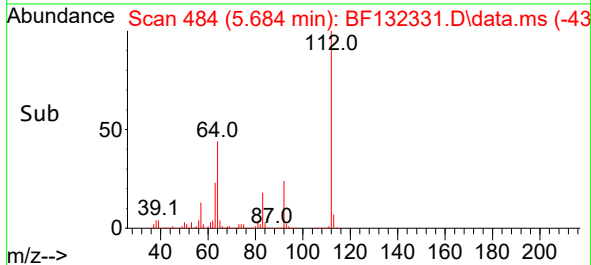
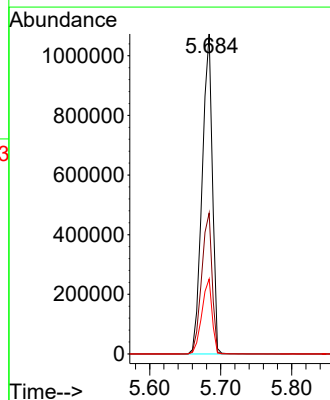
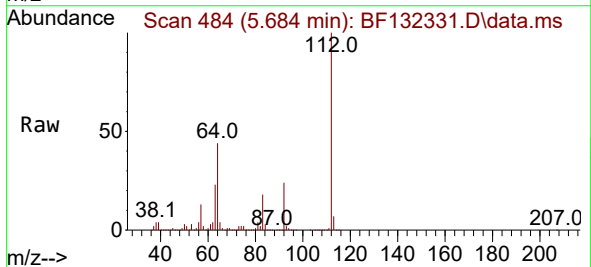
Instrument :
 BNA_F
 ClientSampleId :
 JPP-20-020223

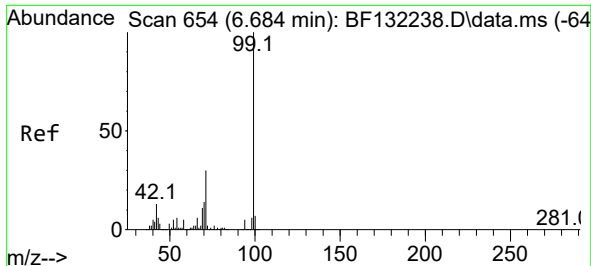
Tgt Ion:152 Resp: 224026
 Ion Ratio Lower Upper
 152 100
 150 155.1 124.2 186.2
 115 62.0 47.3 70.9



#5
 2-Fluorophenol
 Concen: 77.264 ng
 RT: 5.684 min Scan# 484
 Delta R.T. 0.006 min
 Lab File: BF132331.D
 Acq: 03 Feb 2023 20:10

Tgt Ion:112 Resp: 1076849
 Ion Ratio Lower Upper
 112 100
 64 44.0 40.0 60.0
 63 23.4 20.5 30.7

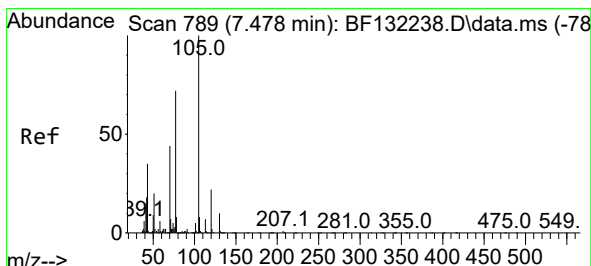
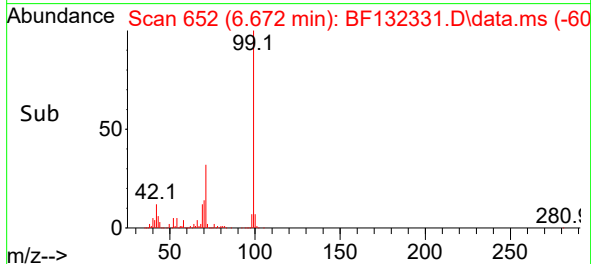
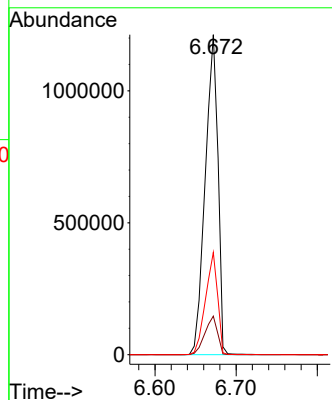
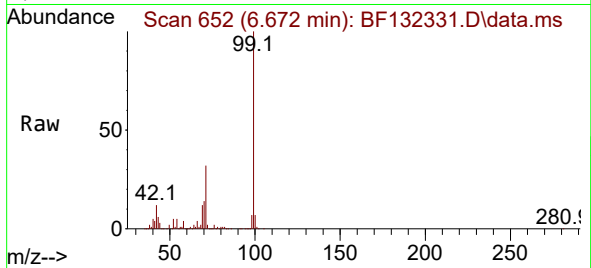




#7
Phenol-d6
Concen: 76.520 ng
RT: 6.672 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

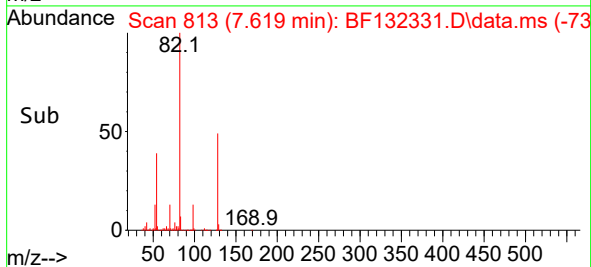
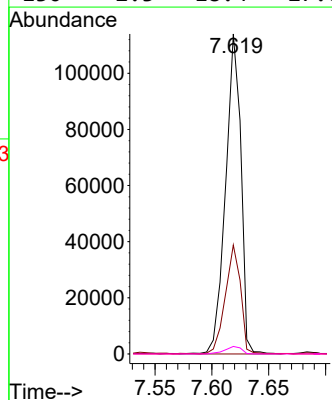
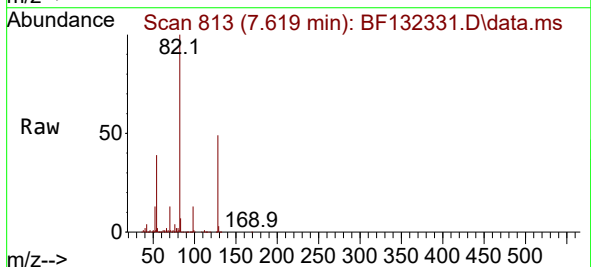
Instrument :
BNA_F
ClientSampleId :
JPP-20-020223

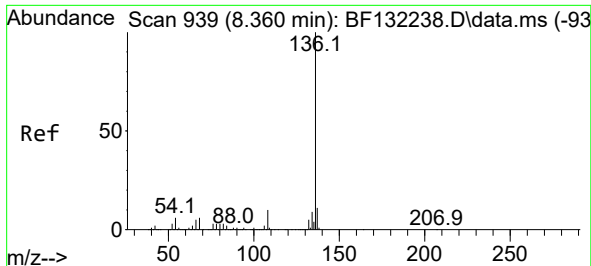
Tgt Ion: 99 Resp: 1314815
Ion Ratio Lower Upper
99 100
42 12.0 10.1 15.1
71 31.9 24.2 36.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.973 ng
RT: 7.619 min Scan# 813
Delta R.T. 0.147 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Tgt Ion: 70 Resp: 107096
Ion Ratio Lower Upper
70 100
42 34.0 33.4 50.0
101 0.0 8.2 12.4#
130 2.3 18.4 27.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.342 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

Instrument :

BNA_F

ClientSampleId :

JPP-20-020223

Tgt Ion:136 Resp: 828230

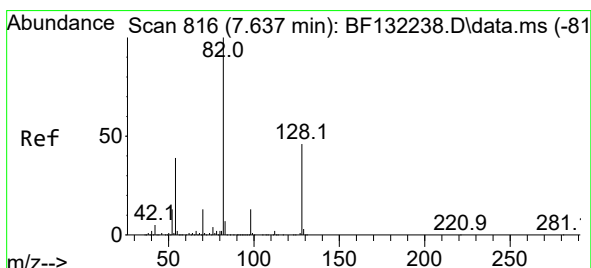
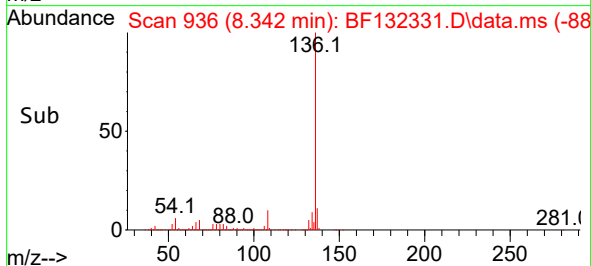
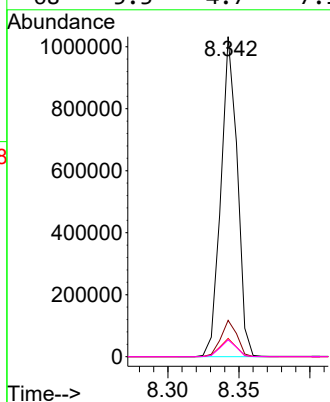
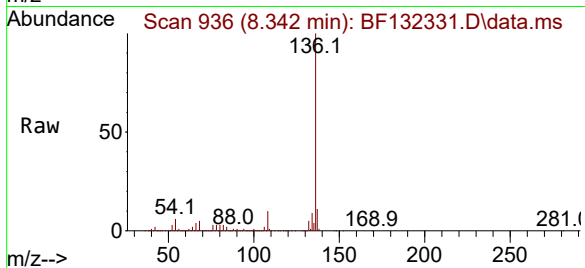
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 5.7 4.9 7.3

68 5.3 4.7 7.1



#23

Nitrobenzene-d5

Concen: 56.764 ng

RT: 7.619 min Scan# 813

Delta R.T. -0.012 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

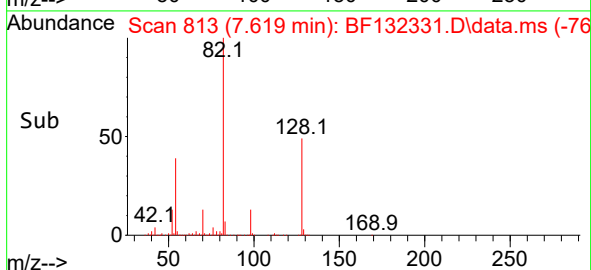
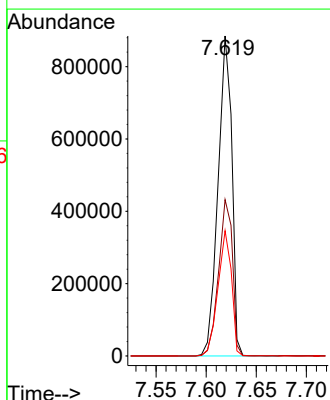
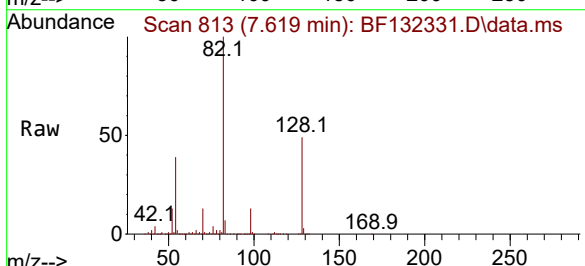
Tgt Ion: 82 Resp: 844851

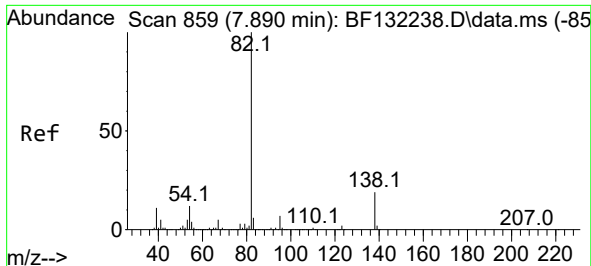
Ion Ratio Lower Upper

82 100

128 48.9 37.0 55.4

54 39.2 31.5 47.3

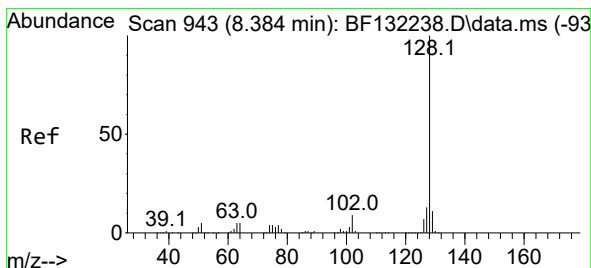
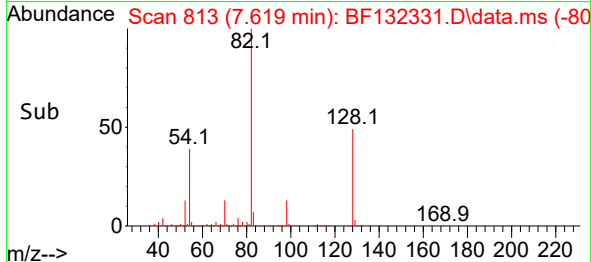
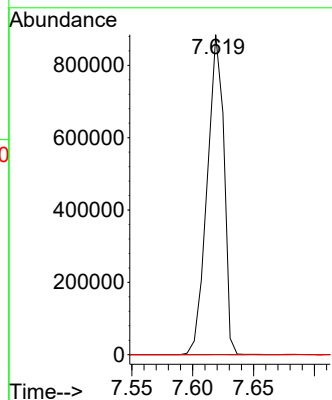
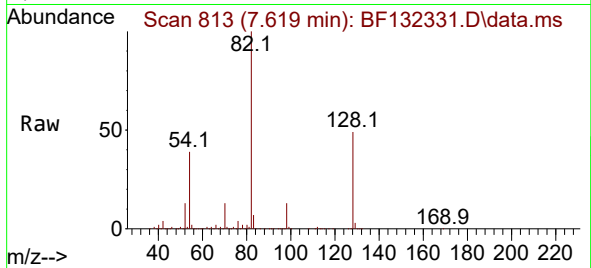




#25
Isophorone
Concen: 29.867 ng
RT: 7.619 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

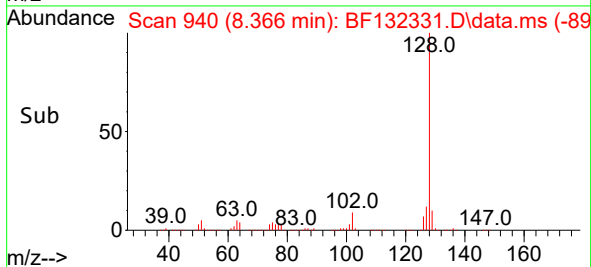
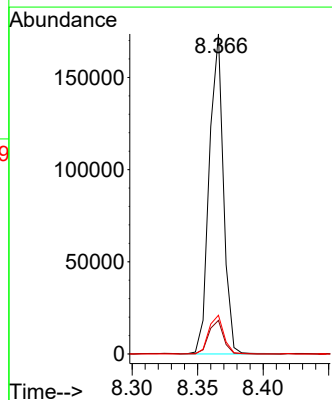
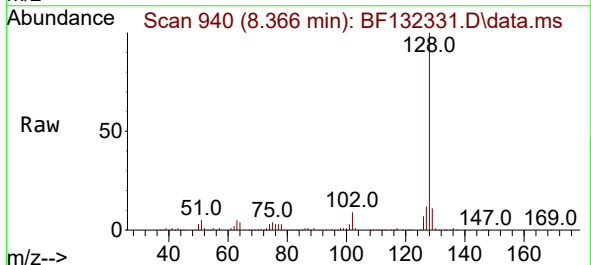
Instrument :
BNA_F
ClientSampleId :
JPP-20-020223

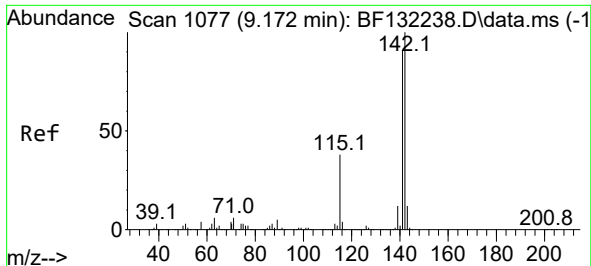
Tgt Ion: 82 Resp: 843710
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.0 22.6#



#31
Naphthalene
Concen: 3.205 ng
RT: 8.366 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Tgt Ion: 128 Resp: 130643
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.4
127 12.1 10.5 15.7





#38

1-Methylnaphthalene

Concen: 2.042 ng

RT: 9.154 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

Instrument :

BNA_F

ClientSampleId :

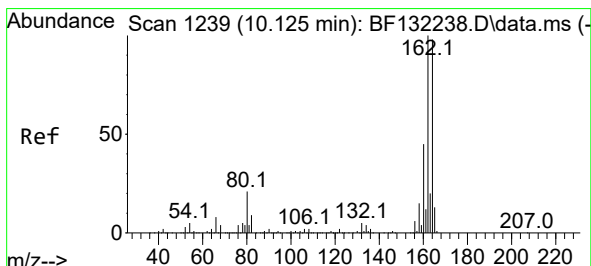
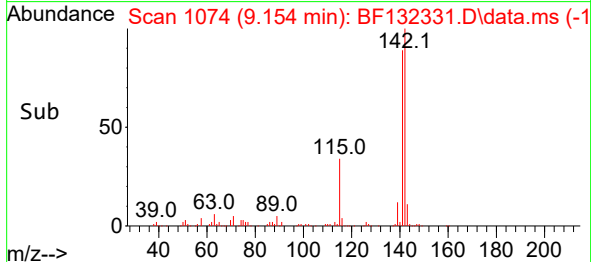
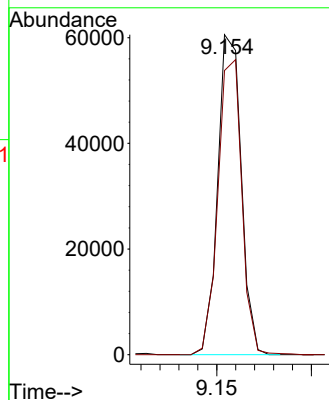
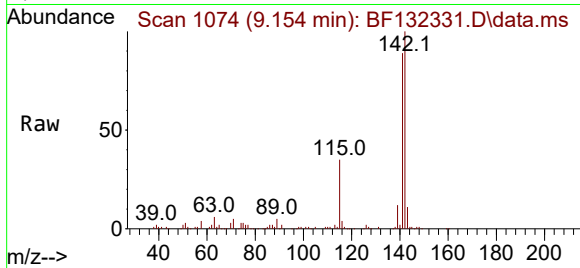
JPP-20-020223

Tgt Ion:142 Resp: 52393

Ion Ratio Lower Upper

142 100

141 88.8 72.6 108.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.107 min Scan# 1236

Delta R.T. -0.006 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

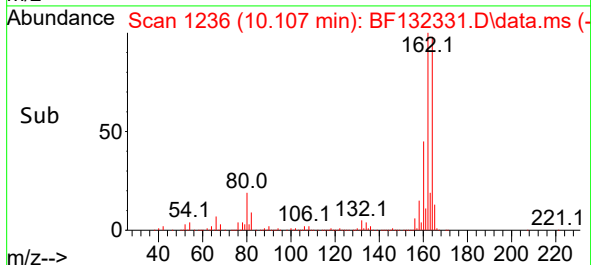
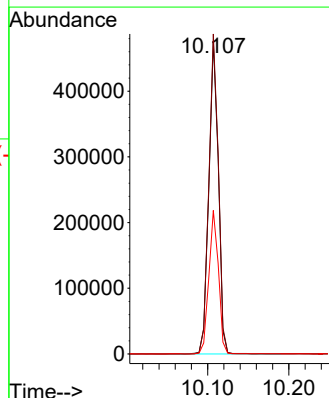
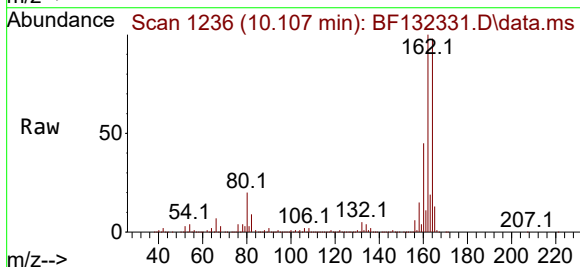
Tgt Ion:164 Resp: 387268

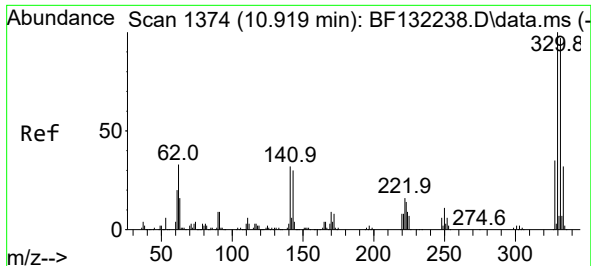
Ion Ratio Lower Upper

164 100

162 102.2 82.0 123.0

160 45.9 37.1 55.7





#42

2,4,6-Tribromophenol

Concen: 78.329 ng

RT: 10.901 min Scan# 1119

Delta R.T. -0.006 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

Instrument :

BNA_F

ClientSampleId :

JPP-20-020223

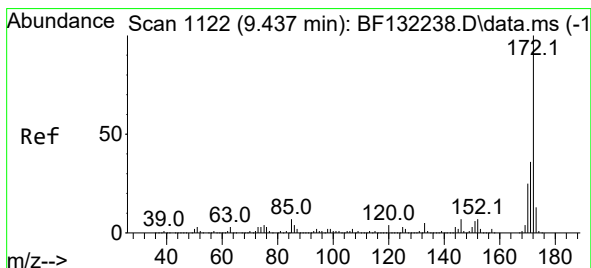
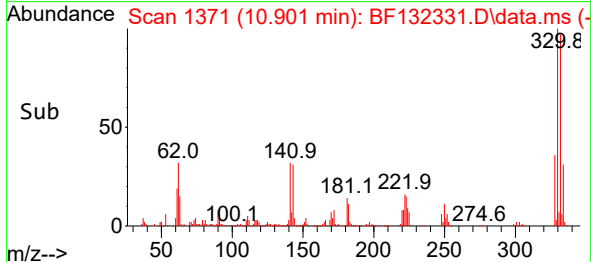
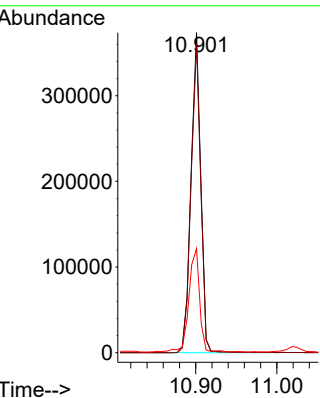
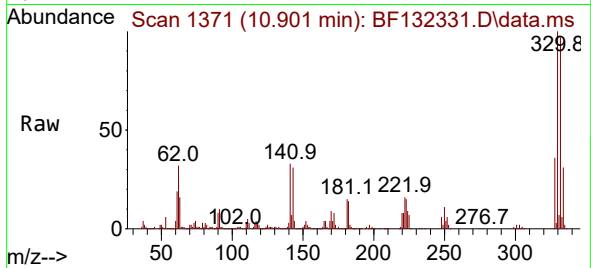
Tgt Ion:330 Resp: 311948

Ion Ratio Lower Upper

330 100

332 96.1 77.9 116.9

141 35.7 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 58.422 ng

RT: 9.419 min Scan# 1119

Delta R.T. -0.006 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

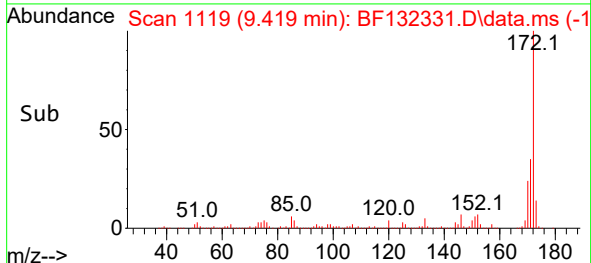
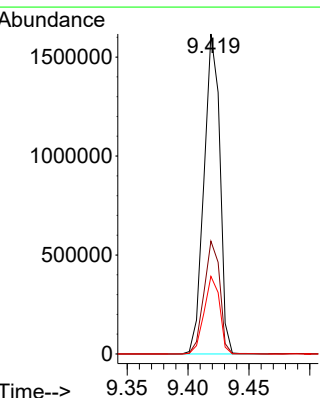
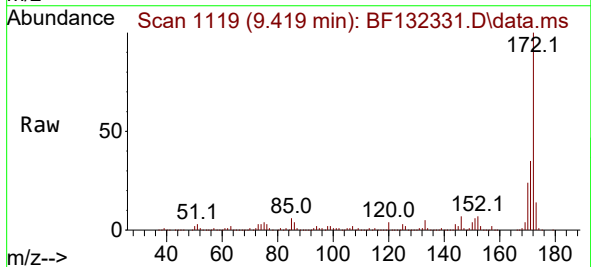
Tgt Ion:172 Resp: 1465109

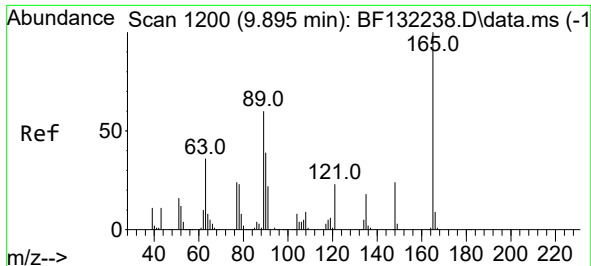
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 24.2 19.7 29.5

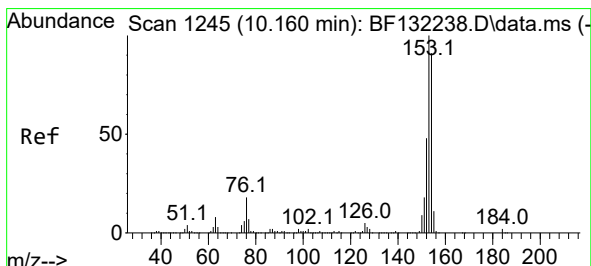
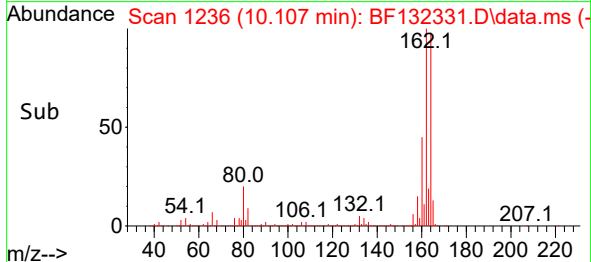
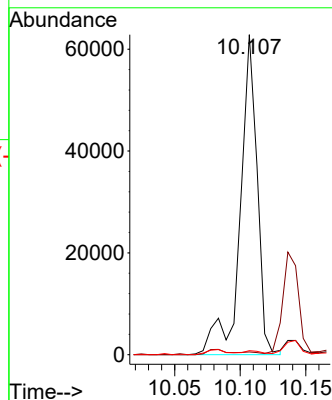
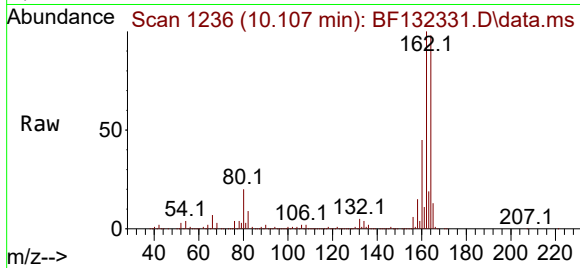




#51
2,6-Dinitrotoluene
Concen: 9.395 ng
RT: 10.107 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

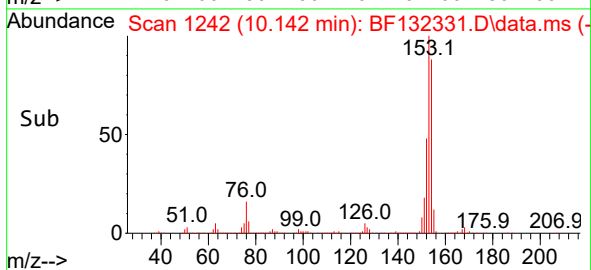
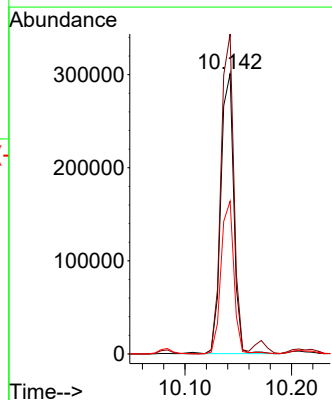
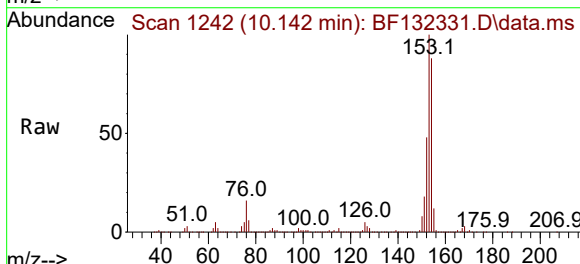
Instrument :
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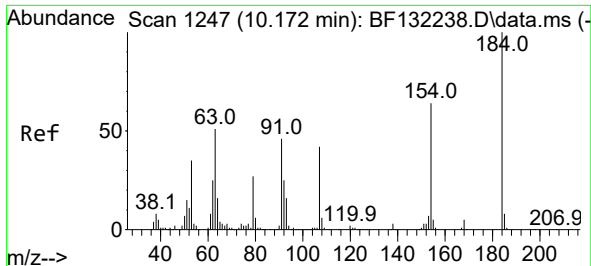
Tgt Ion:165 Resp: 56842
Ion Ratio Lower Upper
165 100
63 0.9 41.5 62.3#
89 1.3 48.1 72.1#



#52
Acenaphthene
Concen: 10.864 ng
RT: 10.142 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Tgt Ion:154 Resp: 252437
Ion Ratio Lower Upper
154 100
153 114.1 88.3 132.5
152 54.5 42.7 64.1

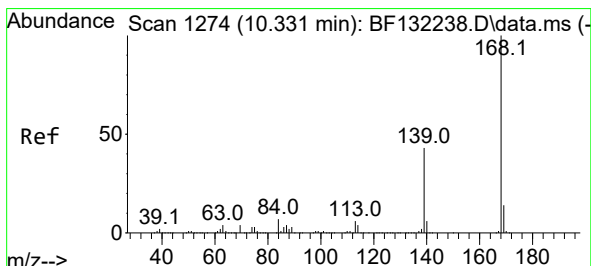
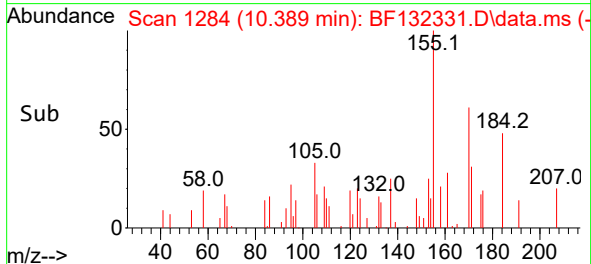
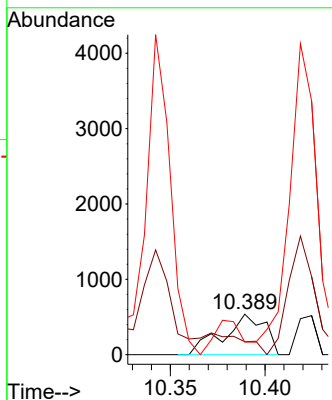
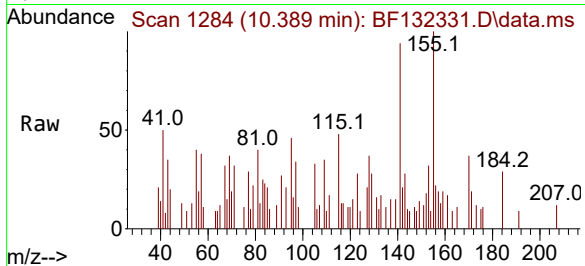




#54
2,4-Dinitrophenol
Concen: 4.549 ng
RT: 10.389 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

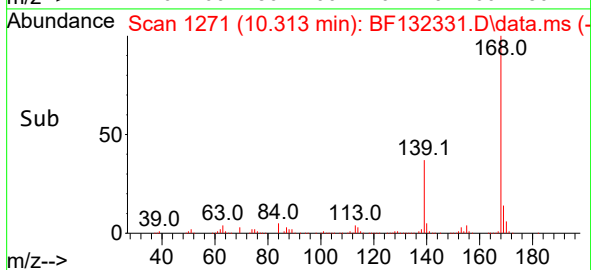
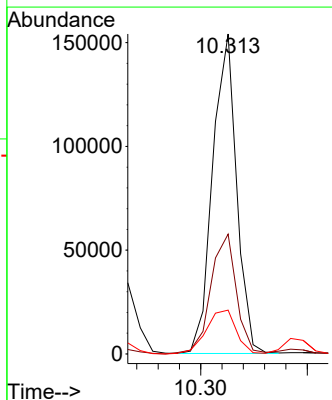
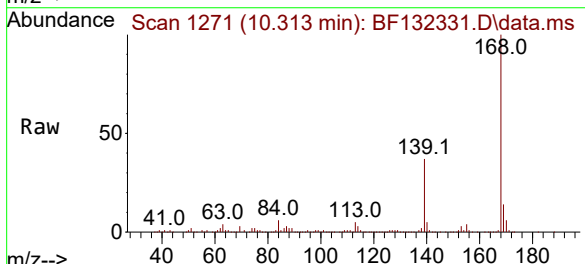
Instrument :
BNA_F
ClientSampleId :
JPP-20-020223

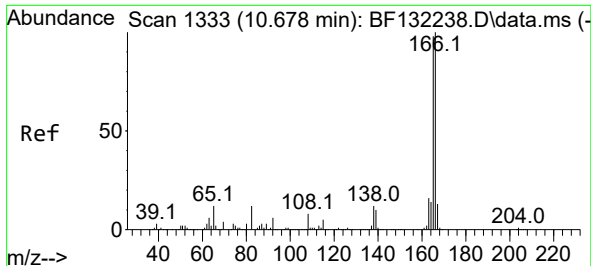
Tgt Ion:184 Resp: 819
Ion Ratio Lower Upper
184 100
63 32.0 41.6 62.4#
154 31.3 57.0 85.6#



#55
Dibenzofuran
Concen: 3.677 ng
RT: 10.313 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Tgt Ion:168 Resp: 120034
Ion Ratio Lower Upper
168 100
139 37.5 34.2 51.4
169 13.7 11.2 16.8

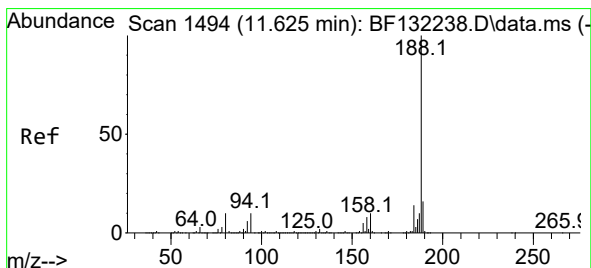
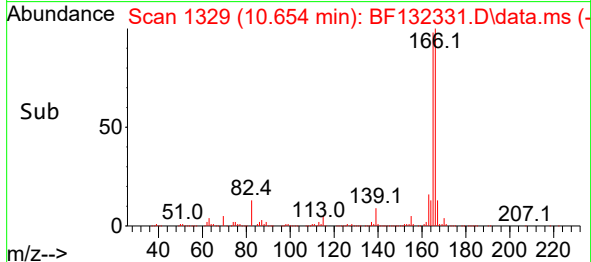
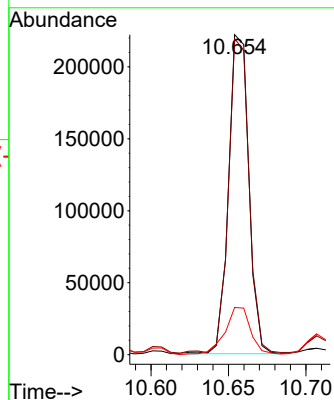
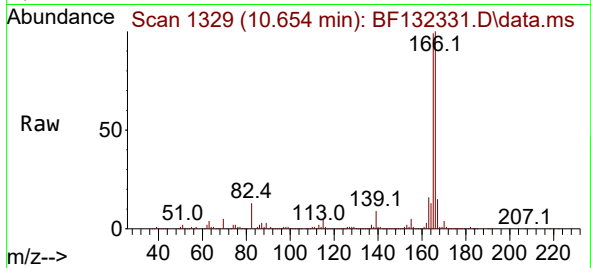




#58
Fluorene
Concen: 8.023 ng
RT: 10.654 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

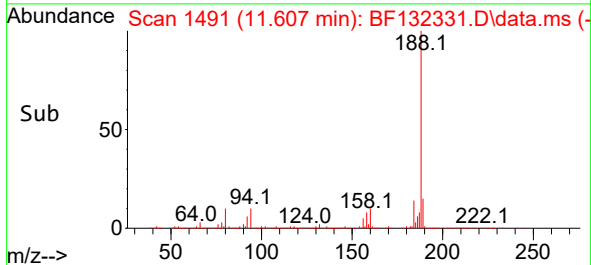
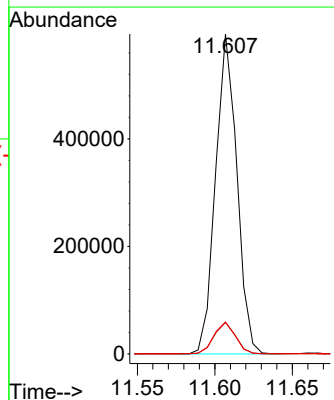
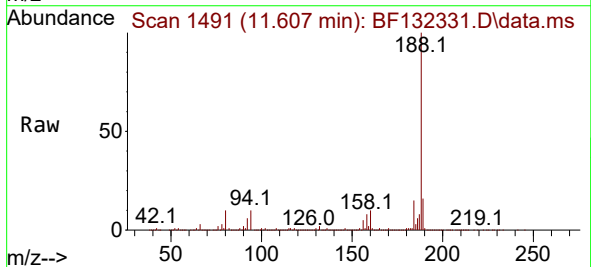
Instrument :
BNA_F
ClientSampleId :
JPP-20-020223

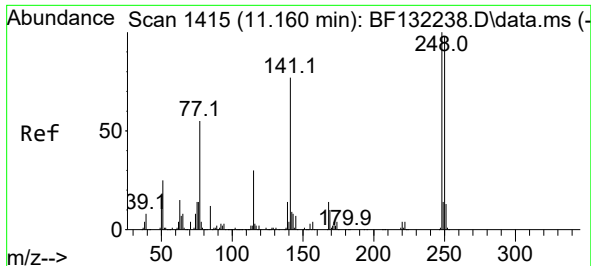
Tgt Ion:166 Resp: 201574
Ion Ratio Lower Upper
166 100
165 98.8 78.0 117.0
167 14.8 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.607 min Scan# 1491
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Tgt Ion:188 Resp: 568935
Ion Ratio Lower Upper
188 100
94 9.9 8.2 12.2
80 10.0 8.3 12.5

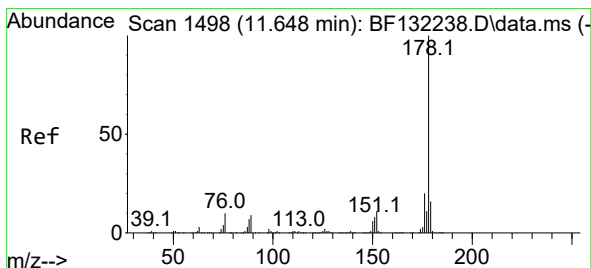
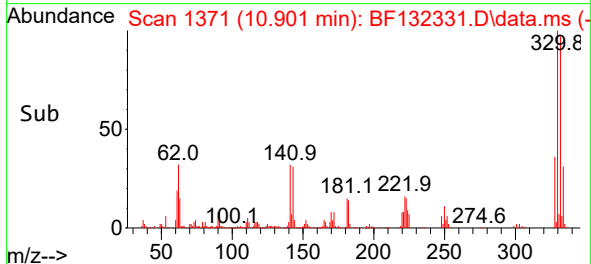
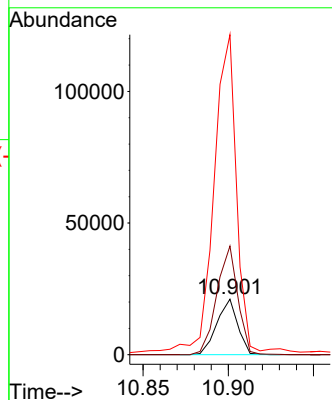
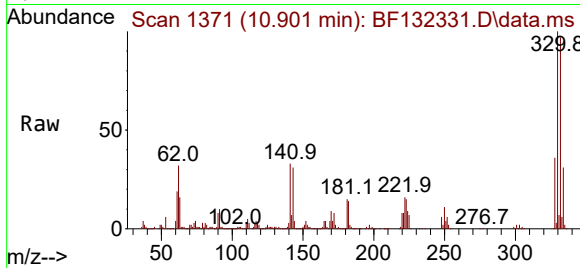




#67
4-Bromophenyl-phenylether
Concen: 3.083 ng
RT: 10.901 min Scan# 1371
Delta R.T. -0.247 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

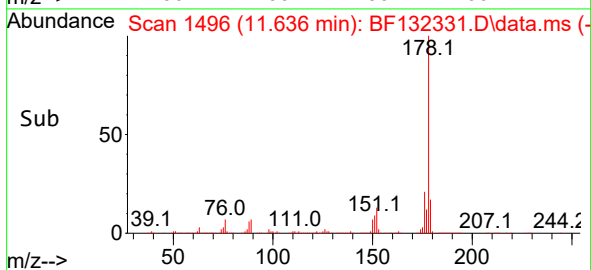
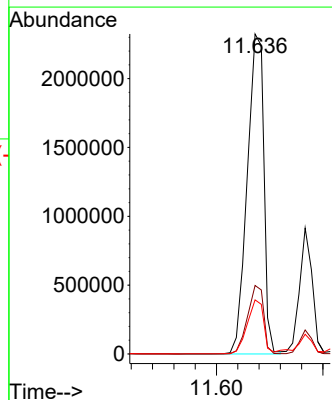
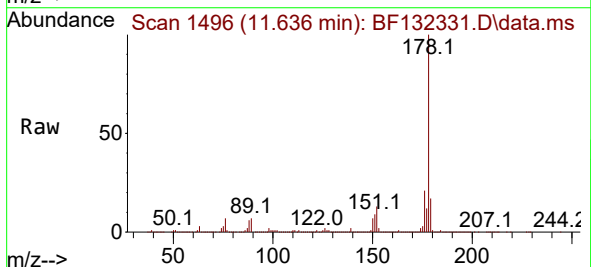
Instrument :
BNA_F
ClientSampleId :
JPP-20-020223

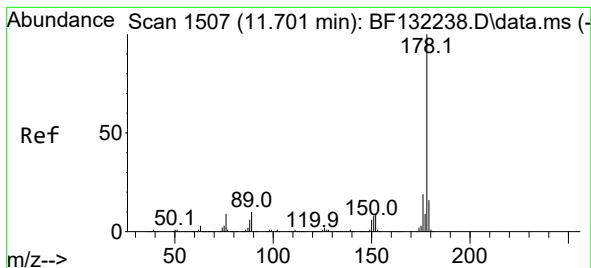
Tgt Ion:248 Resp: 17961
Ion Ratio Lower Upper
248 100
250 195.7 78.6 117.8#
141 576.1 61.6 92.4#



#71
Phenanthrene
Concen: 84.882 ng
RT: 11.636 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Tgt Ion:178 Resp: 2523549
Ion Ratio Lower Upper
178 100
176 21.4 16.2 24.4
179 16.9 12.8 19.2





#72

Anthracene

Concen: 24.091 ng

RT: 11.683 min Scan# 1504

Delta R.T. -0.006 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

Instrument :

BNA_F

ClientSampleId :

JPP-20-020223

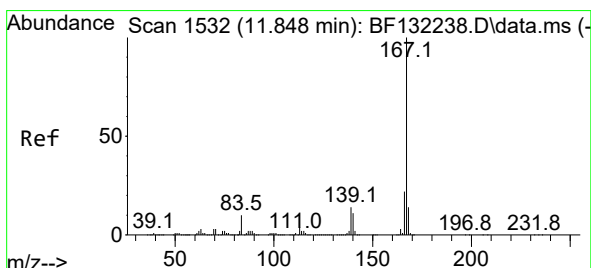
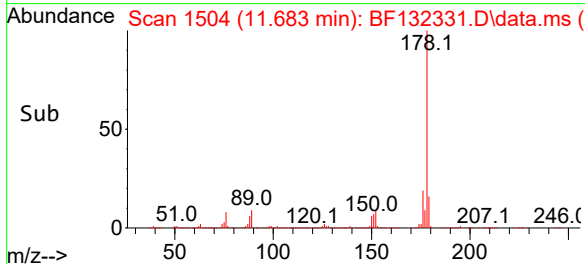
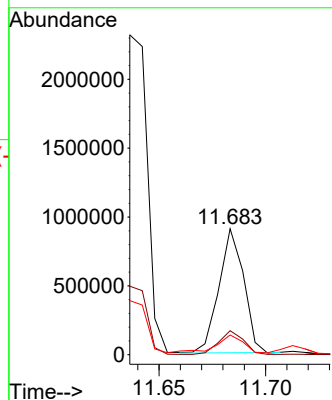
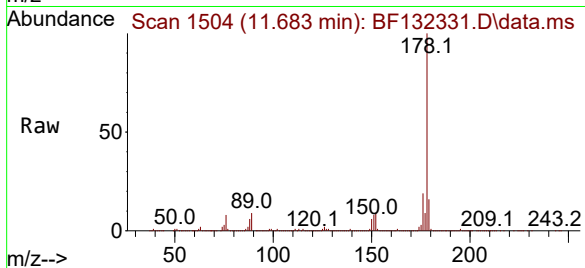
Tgt Ion:178 Resp: 728908

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.6 12.8 19.2



#73

Carbazole

Concen: 4.336 ng

RT: 11.830 min Scan# 1529

Delta R.T. -0.012 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

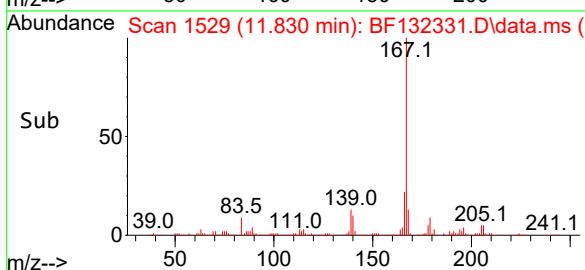
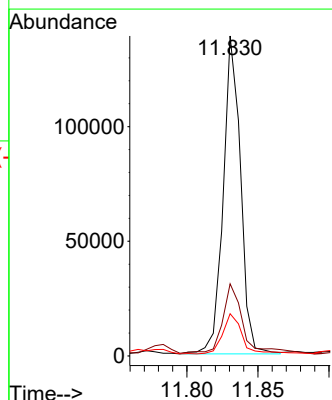
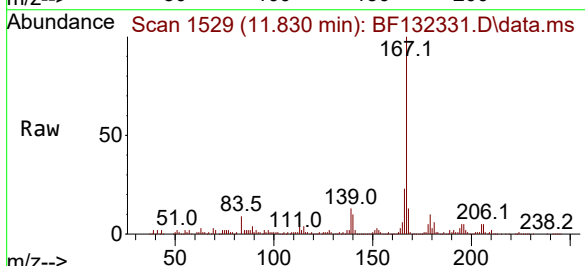
Tgt Ion:167 Resp: 117633

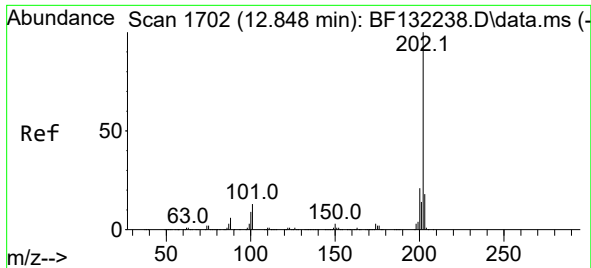
Ion Ratio Lower Upper

167 100

166 22.6 17.4 26.0

139 13.2 11.4 17.2

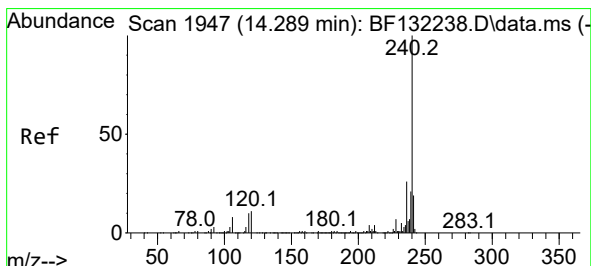
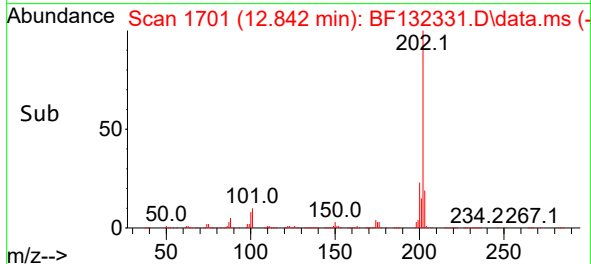
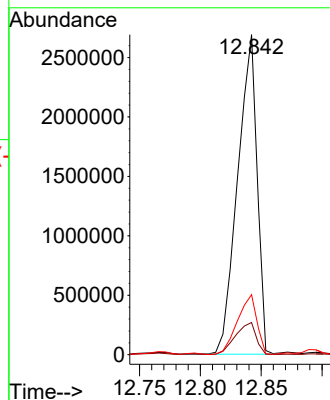
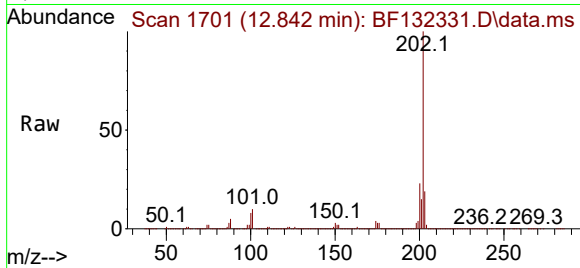




#75
Fluoranthene
Concen: 98.705 ng
RT: 12.842 min Scan# 1702
Delta R.T. 0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

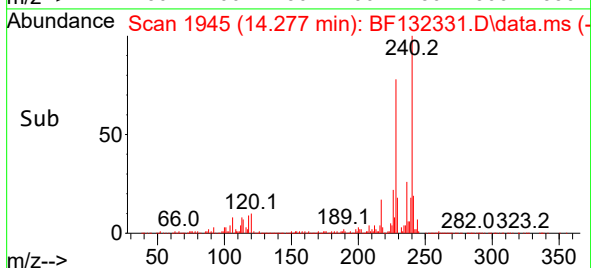
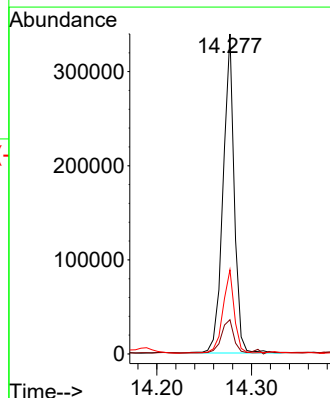
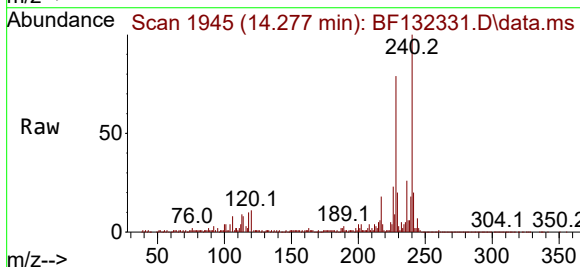
Instrument :
BNA_F
ClientSampleId :
JPP-20-020223

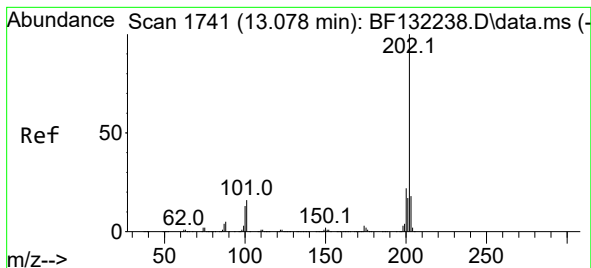
Tgt Ion:202 Resp: 2994611
Ion Ratio Lower Upper
202 100
101 10.0 0.0 32.7
203 18.7 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.277 min Scan# 1945
Delta R.T. 0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Tgt Ion:240 Resp: 279827
Ion Ratio Lower Upper
240 100
120 10.7 8.8 13.2
236 26.3 21.0 31.6





#78

Pyrene

Concen: 142.009 ng

RT: 13.077 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

Instrument :

BNA_F

ClientSampleId :

JPP-20-020223

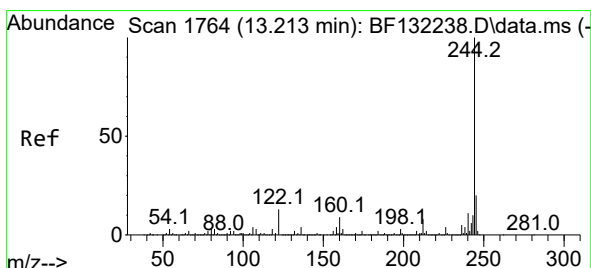
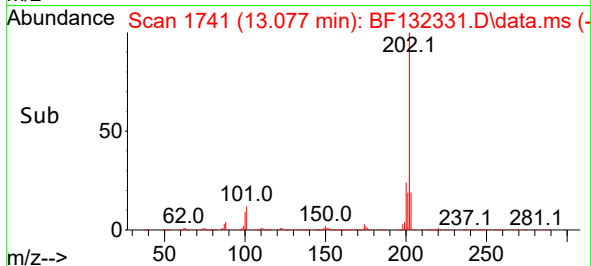
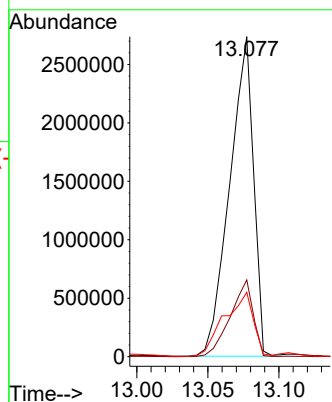
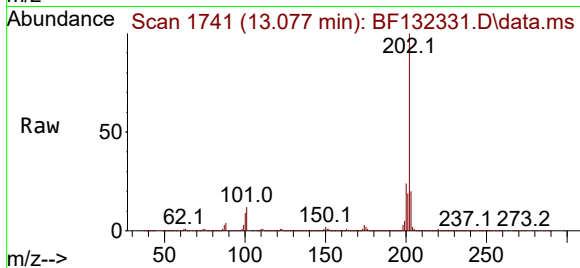
Tgt Ion:202 Resp: 3196162

Ion Ratio Lower Upper

202 100

200 24.0 17.3 25.9

203 20.1 14.4 21.6



#79

Terphenyl-d14

Concen: 66.393 ng

RT: 13.201 min Scan# 1762

Delta R.T. -0.000 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

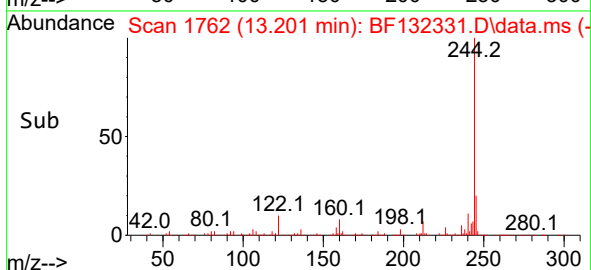
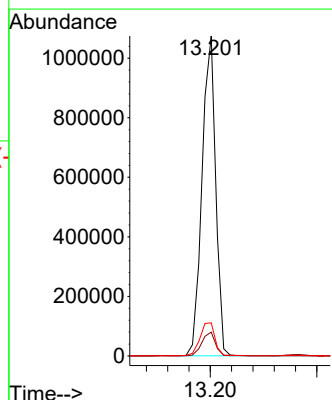
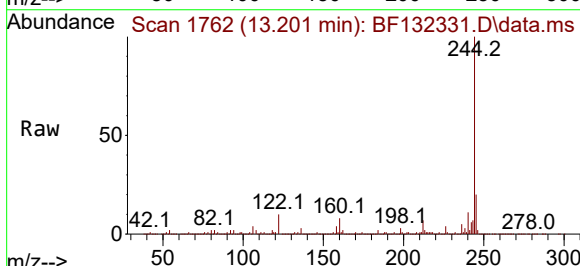
Tgt Ion:244 Resp: 960424

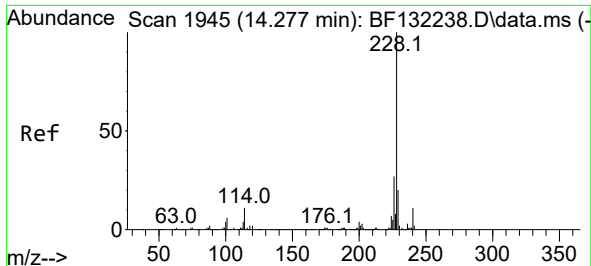
Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

122 10.4 10.5 15.7#

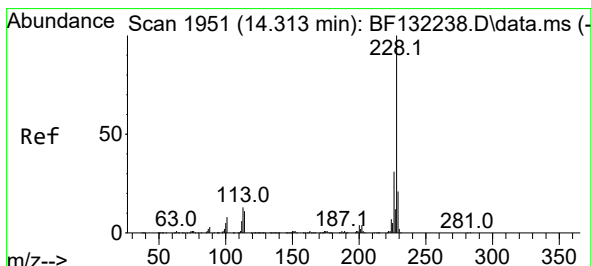
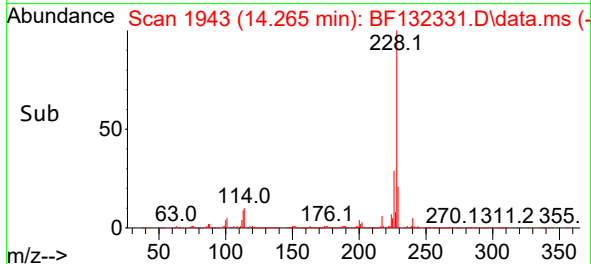
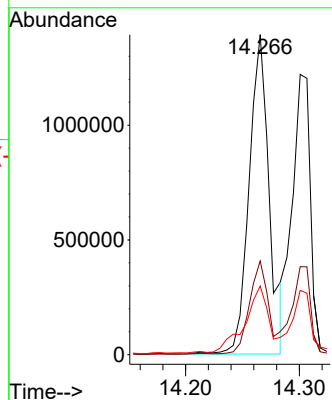
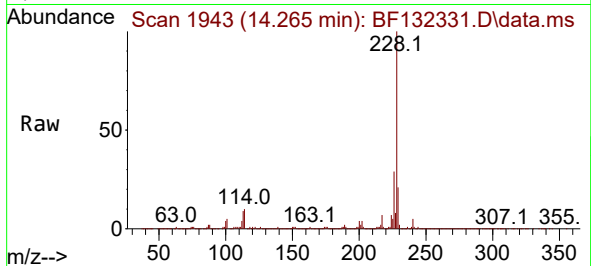




#81
Benzo(a)anthracene
Concen: 87.009 ng
RT: 14.265 min Scan# 1943
Delta R.T. 0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

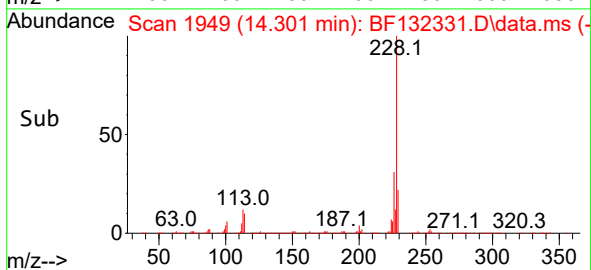
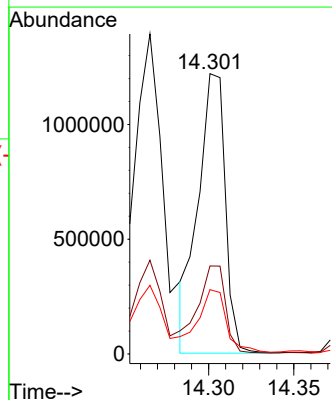
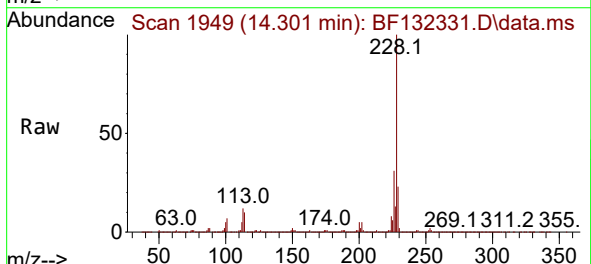
Instrument :
BNA_F
ClientSampleId :
JPP-20-020223

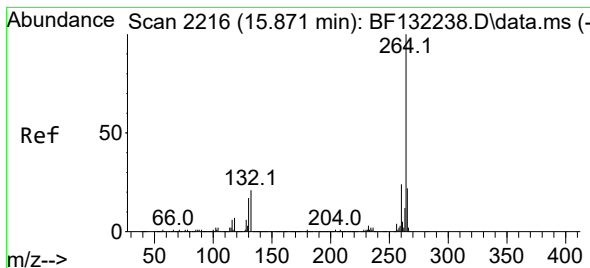
Tgt Ion:228 Resp: 1702901
Ion Ratio Lower Upper
228 100
226 29.3 22.0 33.0
229 21.5 15.8 23.6



#83
Chrysene
Concen: 73.985 ng
RT: 14.301 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Tgt Ion:228 Resp: 1355880
Ion Ratio Lower Upper
228 100
226 31.4 24.9 37.3
229 23.0 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.860 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

Instrument :

BNA_F

ClientSampleId :

JPP-20-020223

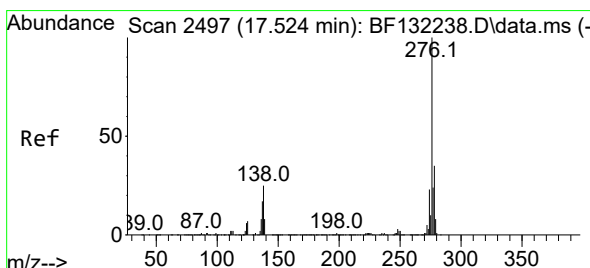
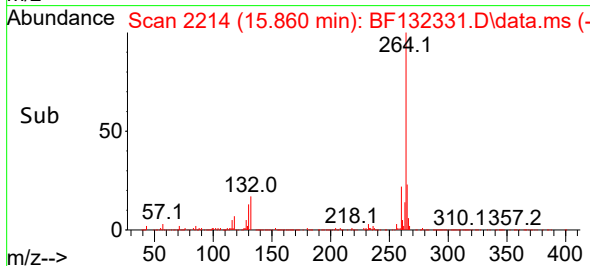
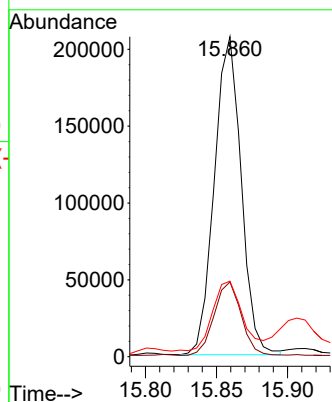
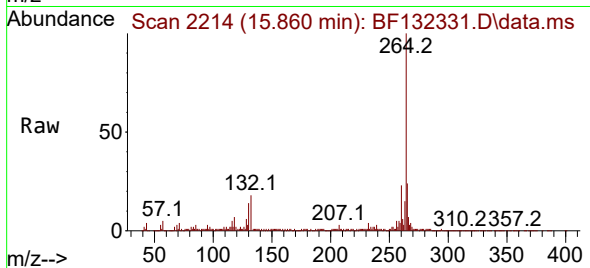
Tgt Ion:264 Resp: 272111

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 23.6 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.604 ng

RT: 17.312 min Scan# 2461

Delta R.T. -0.188 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

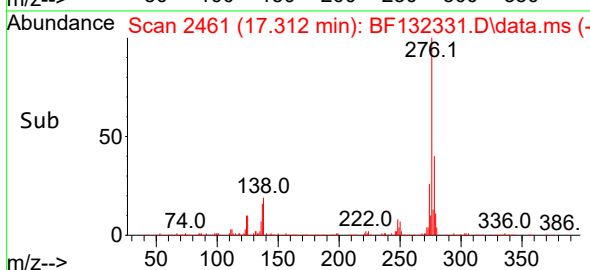
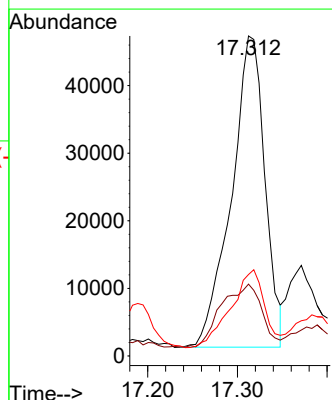
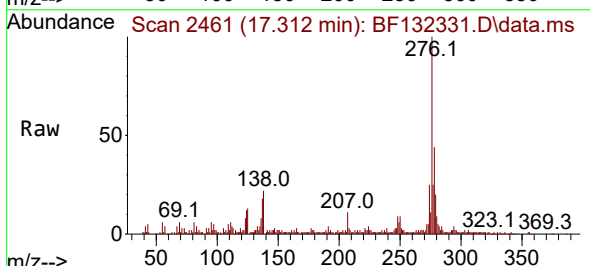
Tgt Ion:276 Resp: 119398

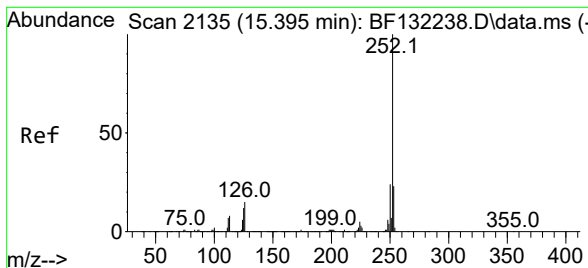
Ion Ratio Lower Upper

276 100

138 24.3 23.3 34.9

277 25.3 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 126.495 ng

RT: 15.389 min Scan# 2134

Delta R.T. 0.012 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

Instrument :

BNA_F

ClientSampleId :

JPP-20-020223

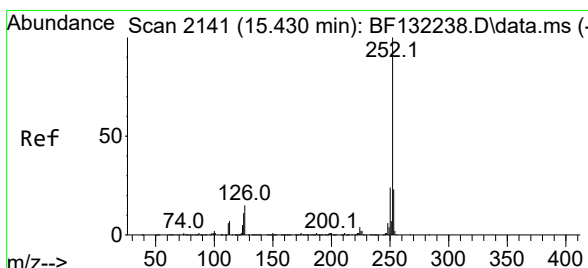
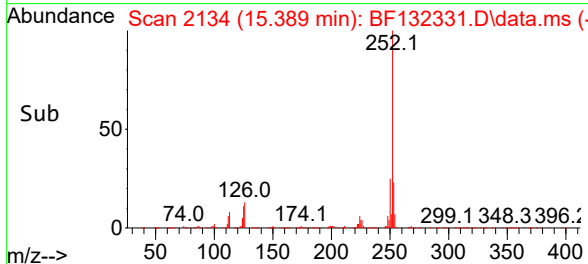
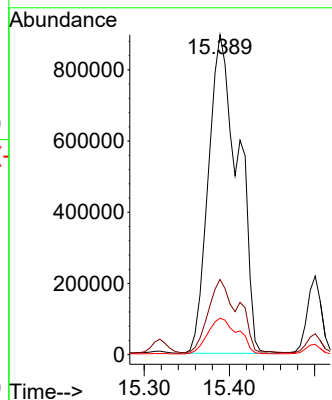
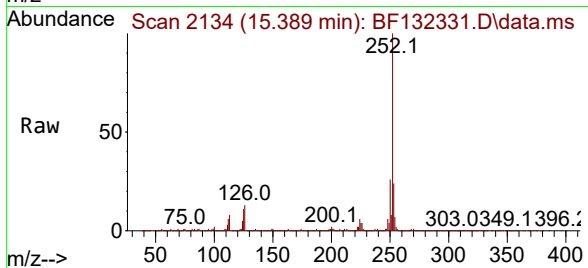
Tgt Ion:252 Resp: 2187937

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

125 11.4 9.6 14.4



#89

Benzo(k)fluoranthene

Concen: 132.366 ng

RT: 15.389 min Scan# 2134

Delta R.T. -0.024 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

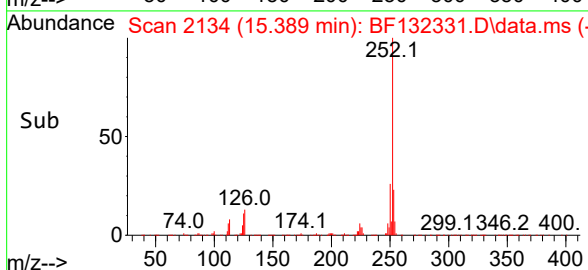
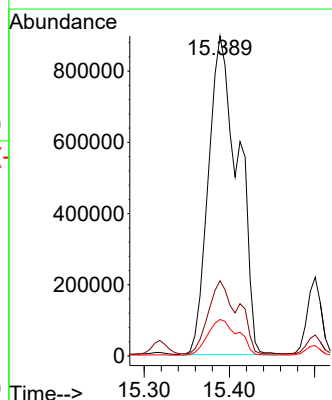
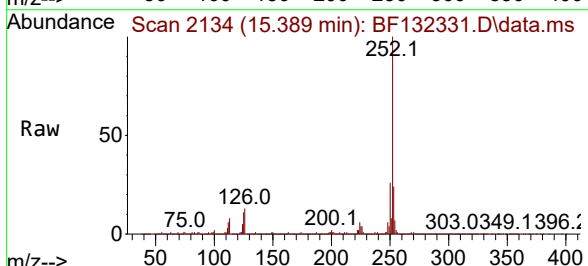
Tgt Ion:252 Resp: 2185375

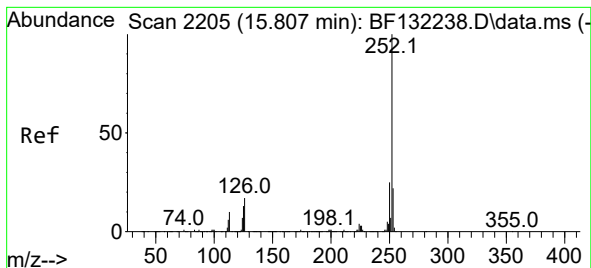
Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

125 11.4 9.0 13.6





#90

Benzo(a)pyrene

Concen: 77.912 ng

RT: 15.801 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

Instrument :

BNA_F

ClientSampleId :

JPP-20-020223

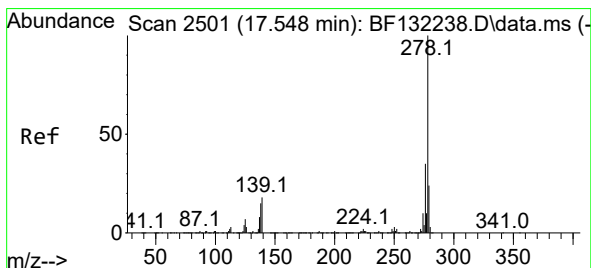
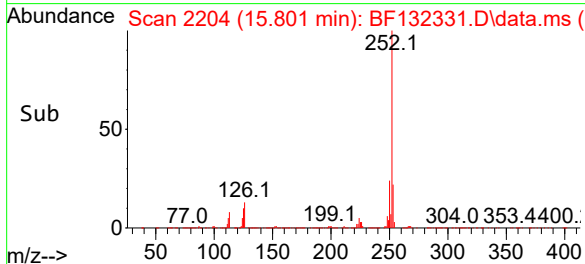
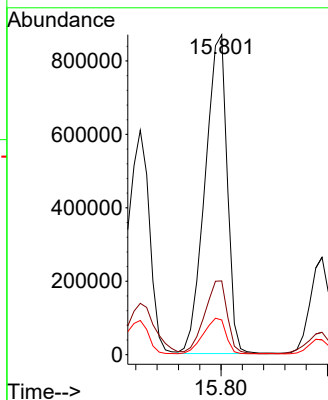
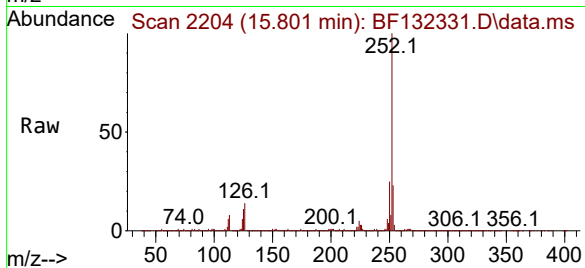
Tgt Ion:252 Resp: 1254883

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 10.8 10.2 15.4



#91

Dibenzo(a,h)anthracene

Concen: 9.430 ng

RT: 17.695 min Scan# 2526

Delta R.T. 0.176 min

Lab File: BF132331.D

Acq: 03 Feb 2023 20:10

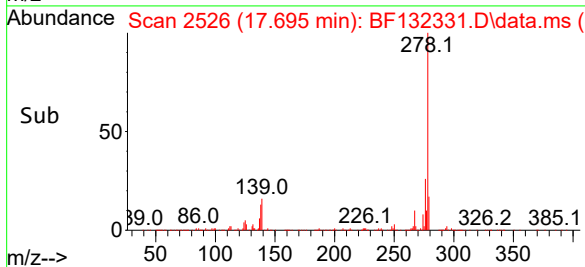
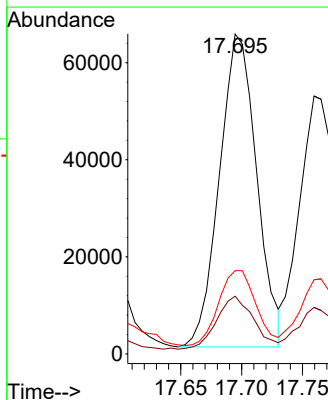
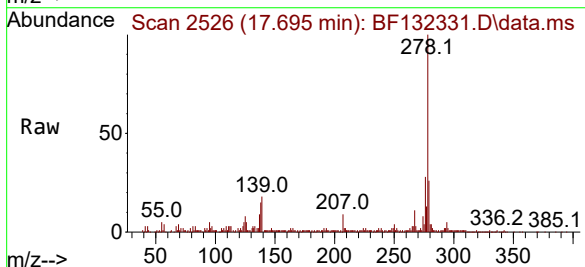
Tgt Ion:278 Resp: 137079

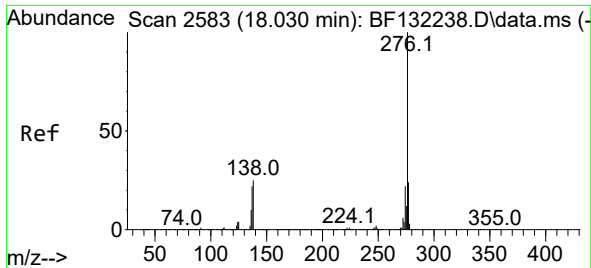
Ion Ratio Lower Upper

278 100

139 18.1 14.2 21.2

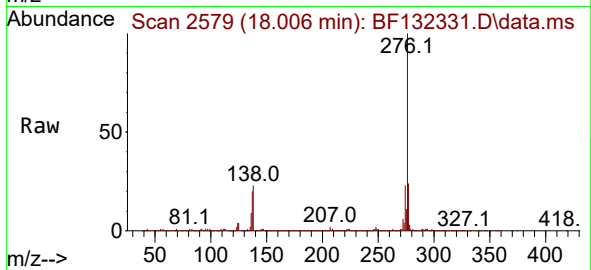
279 26.1 19.6 29.4





#92
Benzo(g,h,i)perylene
Concen: 42.569 ng
RT: 18.006 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Instrument :
BNA_F
ClientSampleId :
JPP-20-020223



Tgt Ion:276 Resp: 639293
Ion Ratio Lower Upper
276 100
277 24.3 19.4 29.2
138 23.2 20.3 30.5

