

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020823\
 Data File : BF132357.D
 Acq On : 08 Feb 2023 15:14
 Operator : CG\JU
 Sample : 01481-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-39-020723

Quant Time: Feb 09 01:58:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 09 01:56:26 2023
 Response via : Initial Calibration

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

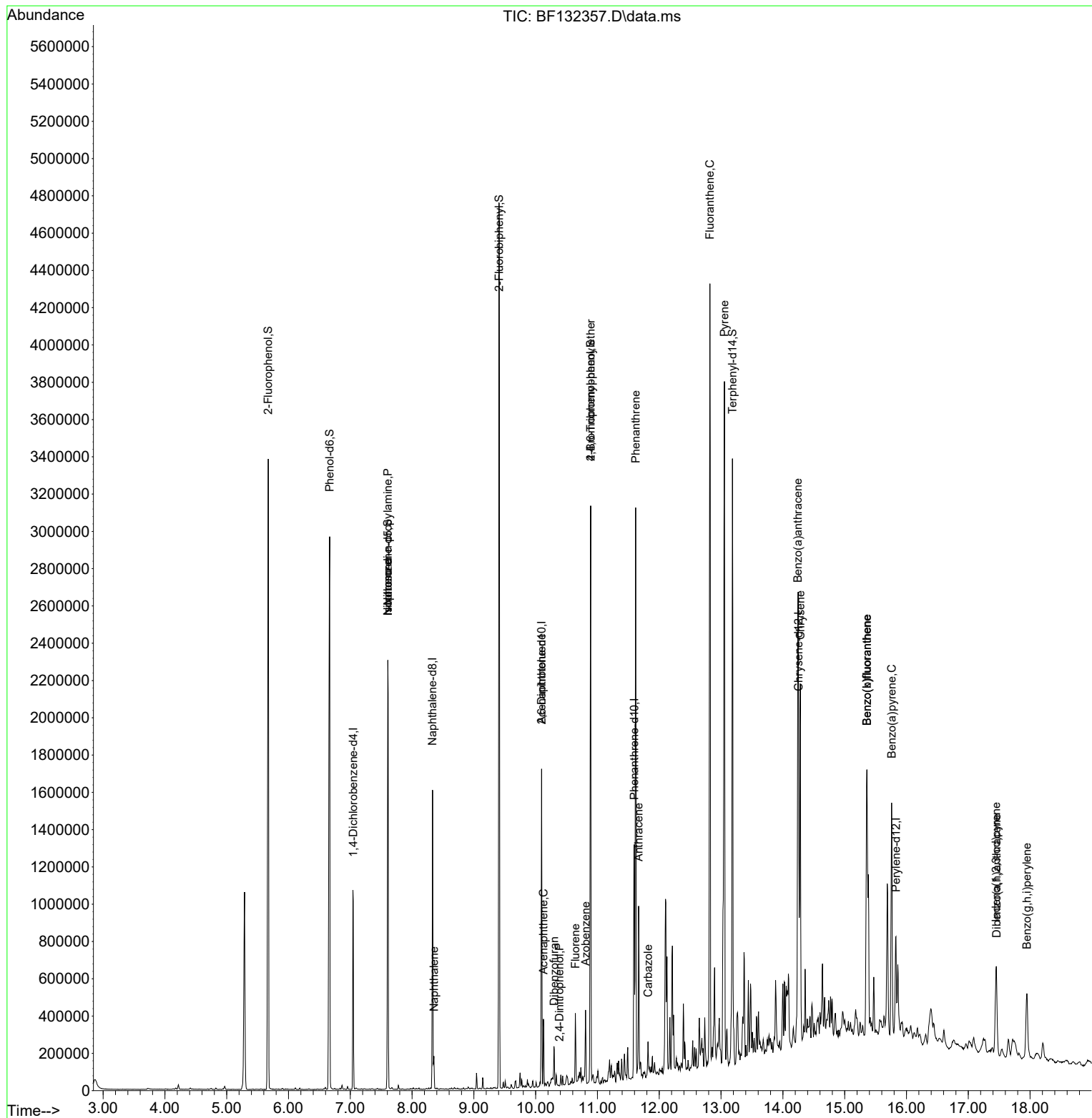
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.048	152	169927	20.000	ng	0.00
21) Naphthalene-d8	8.331	136	647035	20.000	ng	0.00
39) Acenaphthene-d10	10.095	164	319236	20.000	ng	0.00
64) Phenanthrene-d10	11.595	188	509262	20.000	ng	0.00
76) Chrysene-d12	14.254	240	283017	20.000	ng	0.00
86) Perylene-d12	15.830	264	255360	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.672	112	1190175	112.583	ng	0.01
7) Phenol-d6	6.666	99	1395989	107.110	ng	0.00
23) Nitrobenzene-d5	7.607	82	838224	72.090	ng	0.00
42) 2,4,6-Tribromophenol	10.889	330	380741	115.977	ng	0.00
45) 2-Fluorobiphenyl	9.407	172	1458811	70.568	ng	0.00
79) Terphenyl-d14	13.183	244	1082122	73.963	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.596	77	1065	Below Cal	#	79
19) n-Nitroso-di-n-propyla...	7.607	70	104811	14.158	ng	# 77
25) Isophorone	7.607	82	837103	37.931	ng	# 64
31) Naphthalene	8.354	128	68807	2.160	ng	98
51) 2,6-Dinitrotoluene	10.095	165	43677	8.758	ng	# 25
52) Acenaphthene	10.125	154	72798	3.801	ng	98
54) 2,4-Dinitrophenol	10.384	184	66	4.349	ng	# 19
55) Dibenzofuran	10.301	168	72450	2.692	ng	92
58) Fluorene	10.642	166	93306	4.505	ng	98
63) Azobenzene	10.807	77	53052	2.452	ng	# 1
67) 4-Bromophenyl-phenylether	10.889	248	21926	4.205	ng	# 1
71) Phenanthrene	11.619	178	1074902	40.392	ng	99
72) Anthracene	11.666	178	336488	12.425	ng	98
73) Carbazole	11.819	167	58087	2.392	ng	99
75) Fluoranthene	12.819	202	1739401	64.050	ng	98
78) Pyrene	13.054	202	1580824	69.446	ng	99
81) Benzo(a)anthracene	14.242	228	916410	46.296	ng	98
83) Chrysene	14.283	228	758594	40.927	ng	98
87) Indeno(1,2,3-cd)pyrene	17.454	276	336702	19.844	ng	# 92
88) Benzo(b)fluoranthene	15.360	252	1227239	75.607	ng	99
89) Benzo(k)fluoranthene	15.360	252	1227239	79.209	ng	99
90) Benzo(a)pyrene	15.760	252	633625	41.920	ng	98
91) Dibenzo(a,h)anthracene	17.459	278	83188	6.098	ng	93
92) Benzo(g,h,i)perylene	17.948	276	309583	21.967	ng	96

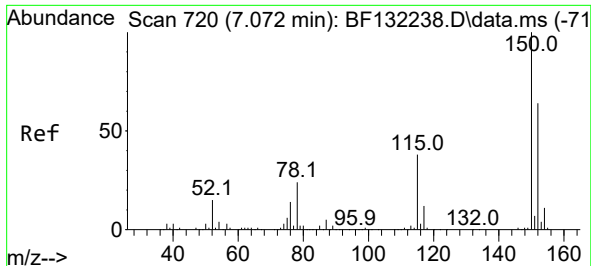
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020823\
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Instrument :
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Quant Time: Feb 09 01:58:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 09 01:56:26 2023
Response via : Initial Calibration

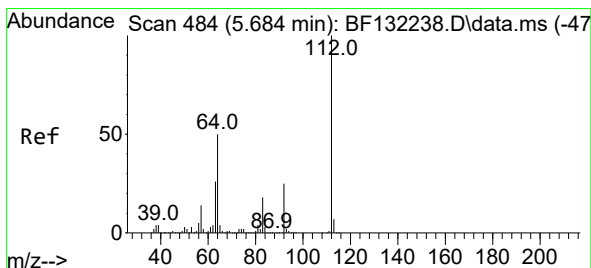
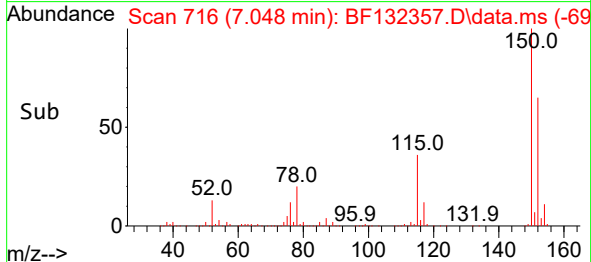
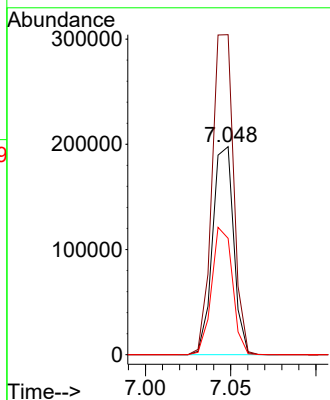
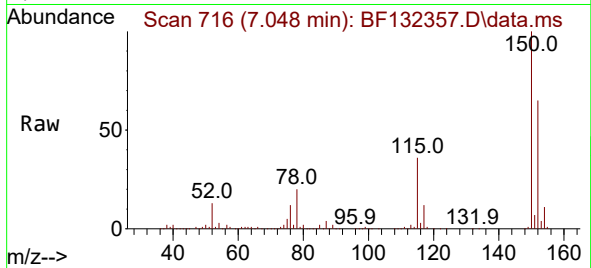




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.048 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

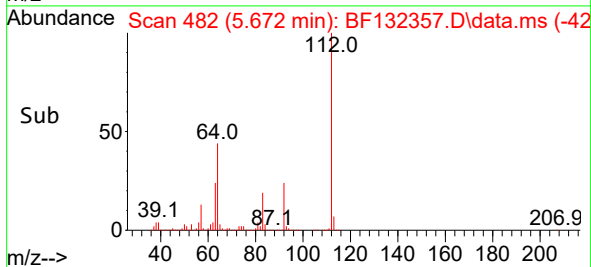
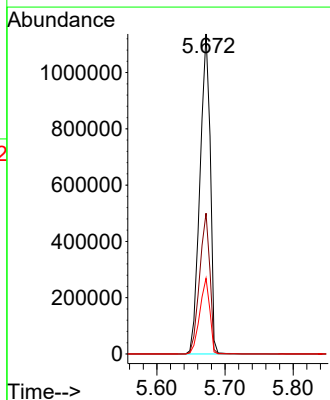
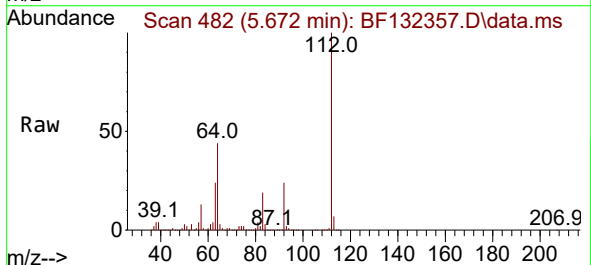
Instrument :
BNA_F
ClientSampleId :
JPP-39-020723

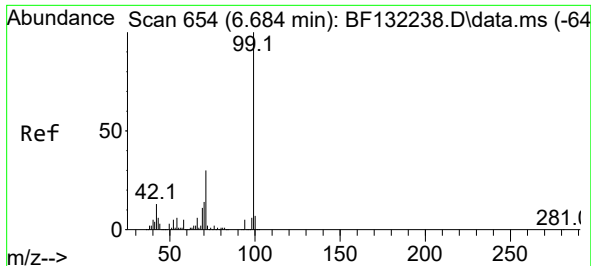
Tgt Ion:152 Resp: 169927
Ion Ratio Lower Upper
152 100
150 153.9 124.2 186.2
115 56.0 47.3 70.9



#5
2-Fluorophenol
Concen: 112.583 ng
RT: 5.672 min Scan# 482
Delta R.T. 0.012 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

Tgt Ion:112 Resp: 1190175
Ion Ratio Lower Upper
112 100
64 44.0 40.0 60.0
63 23.7 20.5 30.7

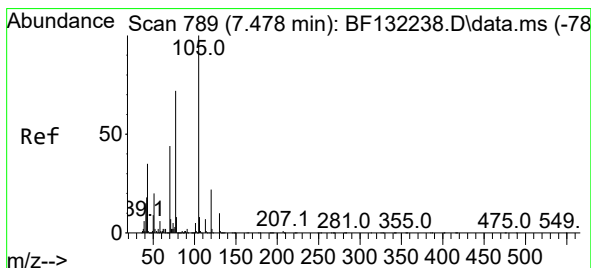
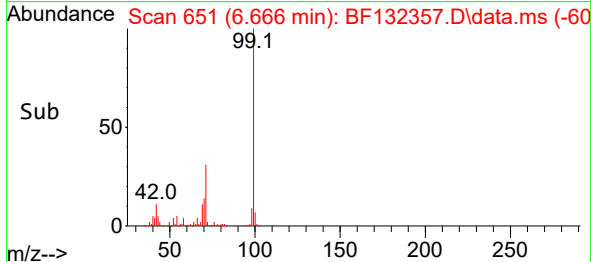
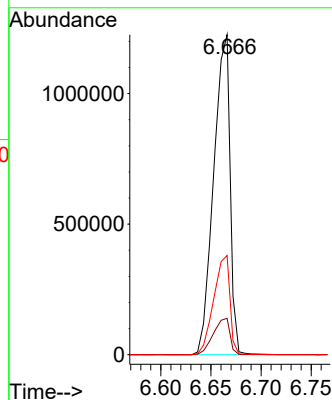
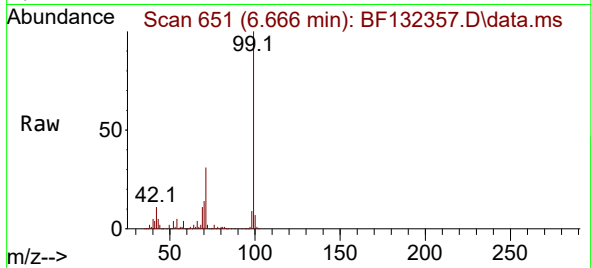




#7
Phenol-d6
Concen: 107.110 ng
RT: 6.666 min Scan# 61
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

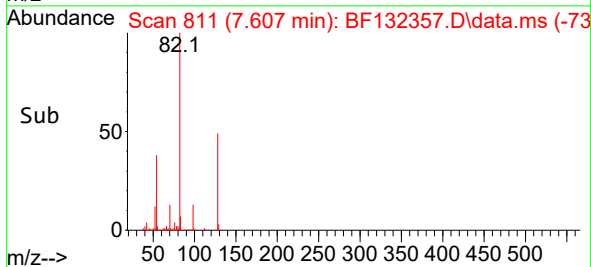
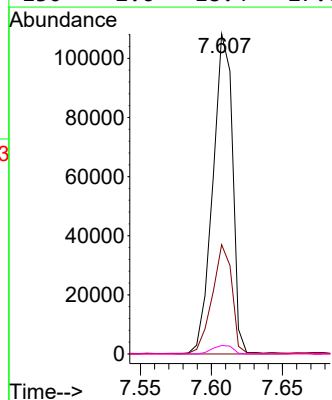
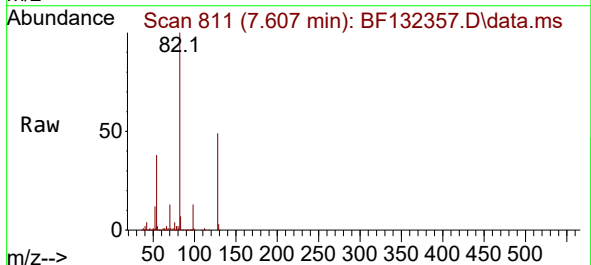
Instrument :
BNA_F
ClientSampleId :
JPP-39-020723

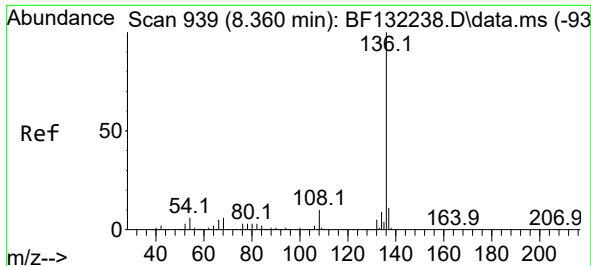
Tgt Ion: 99 Resp: 1395989
Ion Ratio Lower Upper
99 100
42 11.4 10.1 15.1
71 31.0 24.2 36.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.158 ng
RT: 7.607 min Scan# 811
Delta R.T. 0.147 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

Tgt Ion: 70 Resp: 104811
Ion Ratio Lower Upper
70 100
42 34.1 33.4 50.0
101 0.0 8.2 12.4#
130 2.6 18.4 27.6#



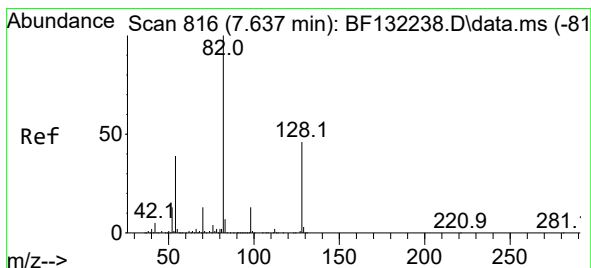
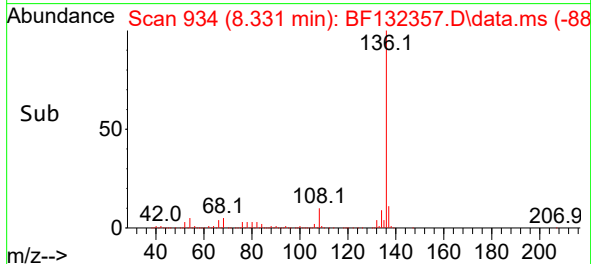
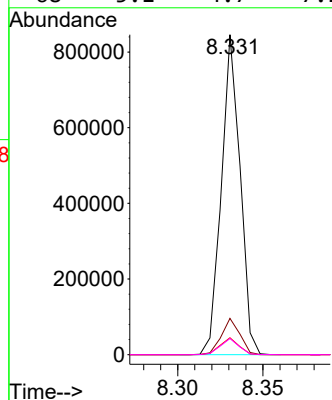
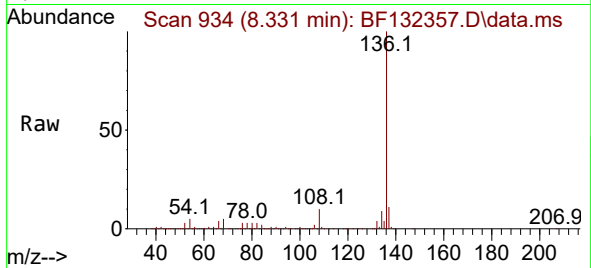


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.331 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

Instrument :
BNA_F
ClientSampleId :
JPP-39-020723

Tgt Ion:136 Resp: 647035

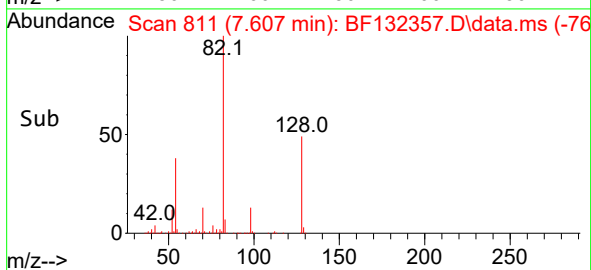
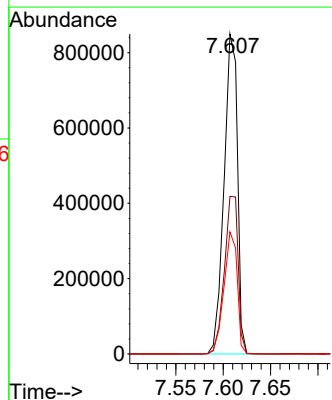
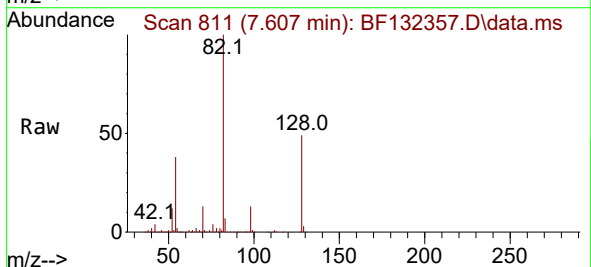
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	5.3	4.9	7.3
68	5.1	4.7	7.1

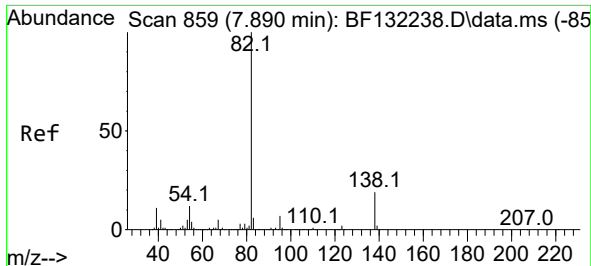


#23
Nitrobenzene-d5
Concen: 72.090 ng
RT: 7.607 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

Tgt Ion: 82 Resp: 838224

Ion	Ratio	Lower	Upper
82	100		
128	49.3	37.0	55.4
54	38.2	31.5	47.3

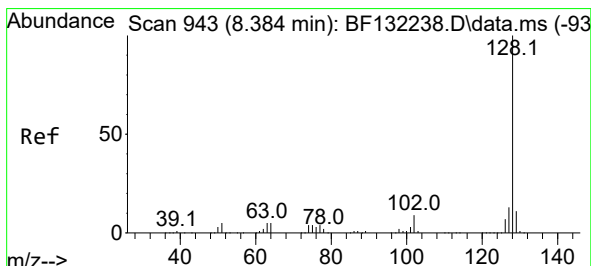
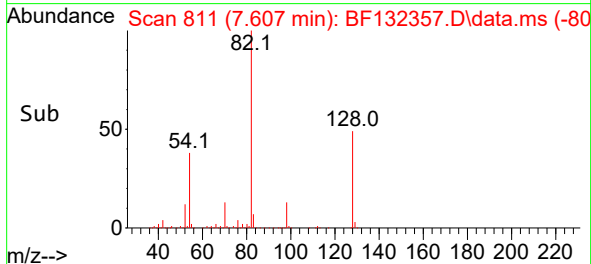
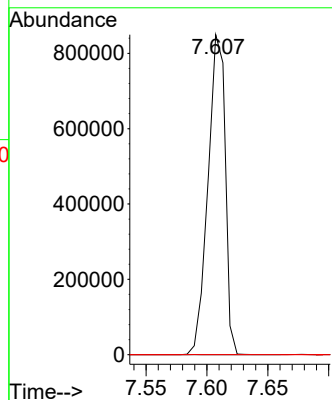
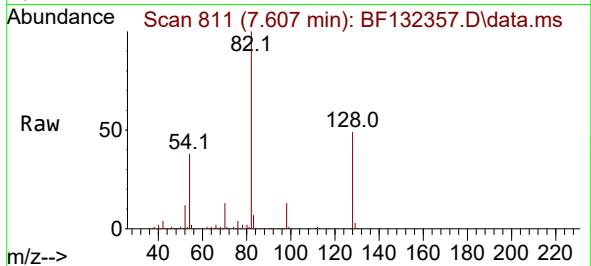




#25
Isophorone
Concen: 37.931 ng
RT: 7.607 min Scan# 811
Delta R.T. -0.265 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

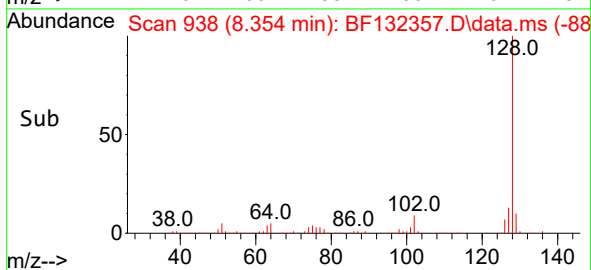
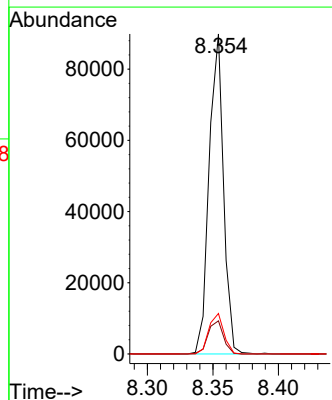
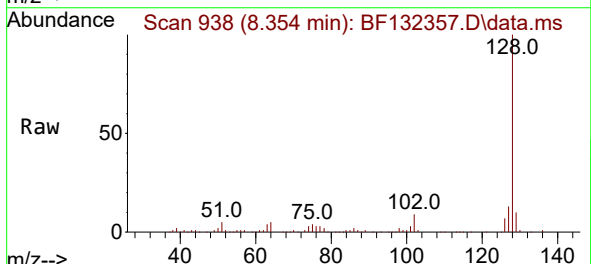
Instrument :
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ClientSampleId :
JPP-39-020723

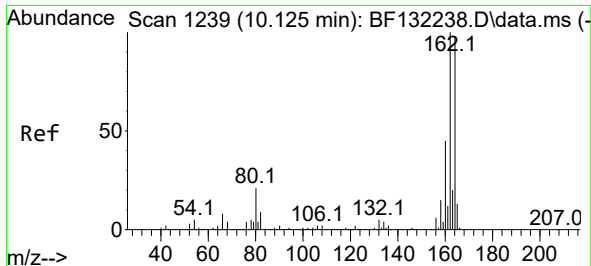
Tgt Ion: 82 Resp: 837103
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.0 22.6#



#31
Naphthalene
Concen: 2.160 ng
RT: 8.354 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

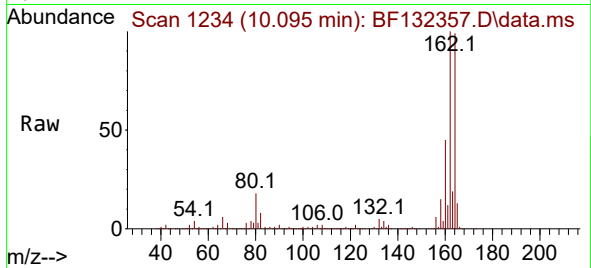
Tgt Ion: 128 Resp: 68807
Ion Ratio Lower Upper
128 100
129 10.4 9.0 13.4
127 12.6 10.5 15.7



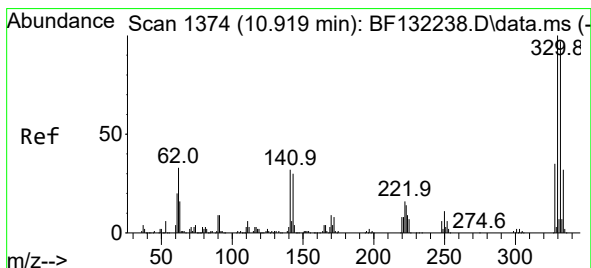
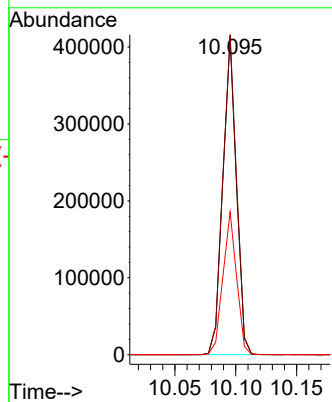
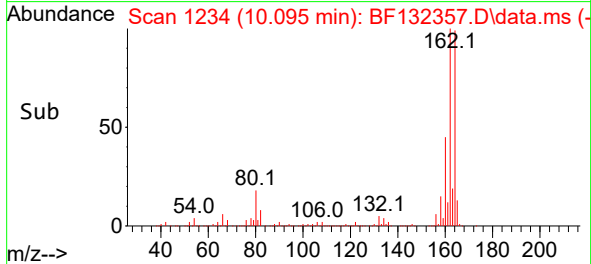


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.095 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

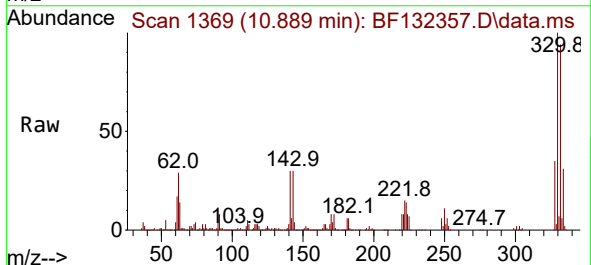
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ClientSampleId :
JPP-39-020723



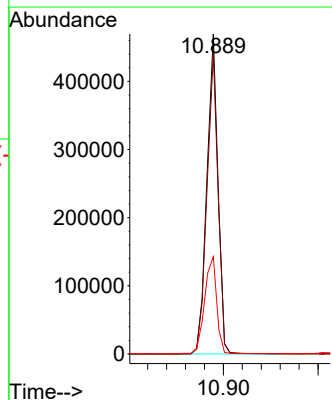
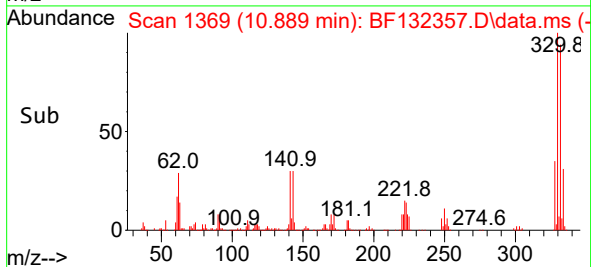
Tgt Ion:164 Resp: 319236
Ion Ratio Lower Upper
164 100
162 101.0 82.0 123.0
160 45.1 37.1 55.7

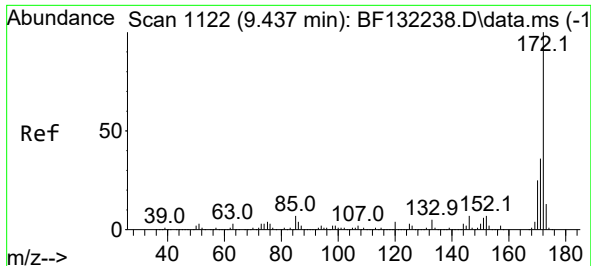


#42
2,4,6-Tribromophenol
Concen: 115.977 ng
RT: 10.889 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14



Tgt Ion:330 Resp: 380741
Ion Ratio Lower Upper
330 100
332 94.6 77.9 116.9
141 33.2 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 70.568 ng

RT: 9.407 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

Instrument :

BNA_F

ClientSampleId :

JPP-39-020723

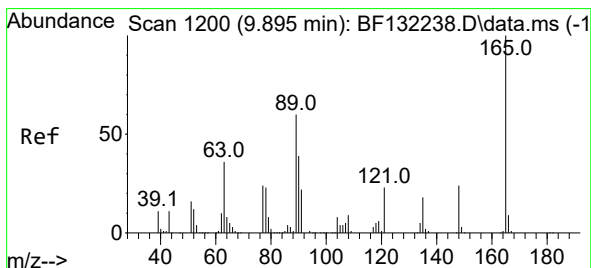
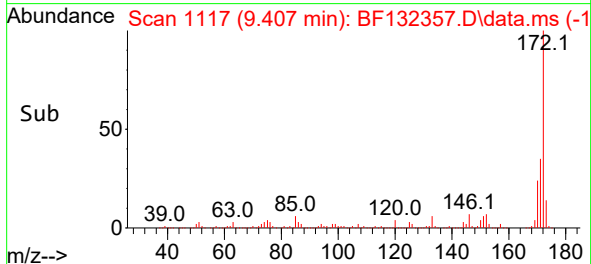
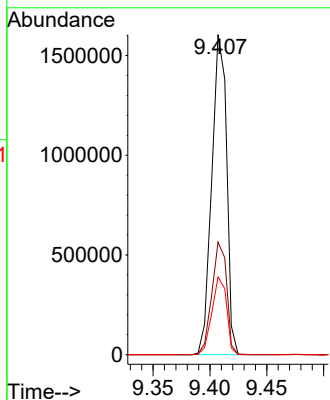
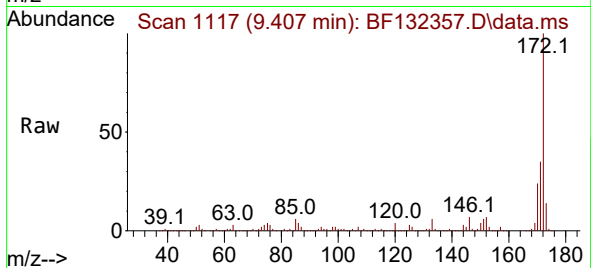
Tgt Ion:172 Resp: 1458811

Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 24.3 19.7 29.5



#51

2,6-Dinitrotoluene

Concen: 8.758 ng

RT: 10.095 min Scan# 1234

Delta R.T. 0.218 min

Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

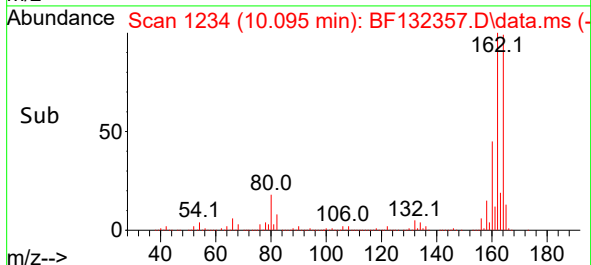
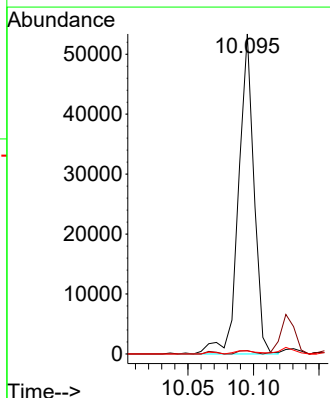
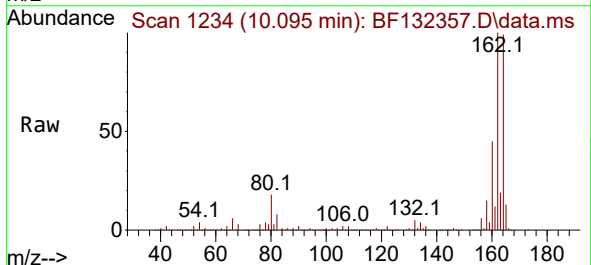
Tgt Ion:165 Resp: 43677

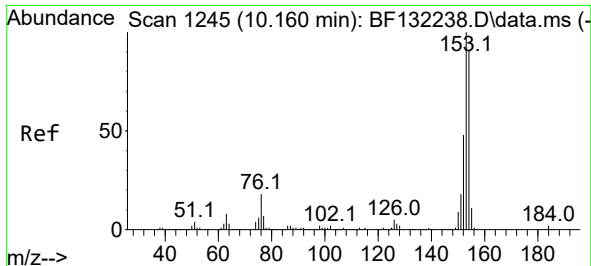
Ion Ratio Lower Upper

165 100

63 1.1 41.5 62.3#

89 0.9 48.1 72.1#

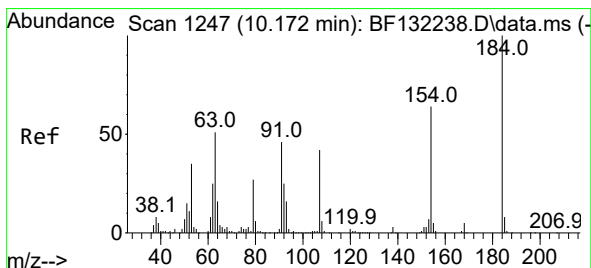
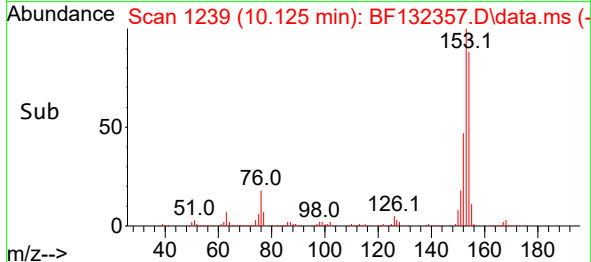
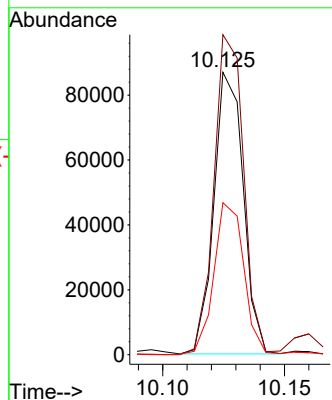
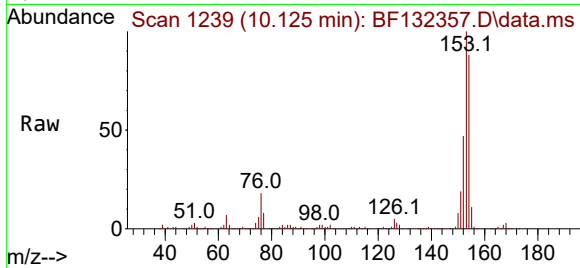




#52
Acenaphthene
Concen: 3.801 ng
RT: 10.125 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

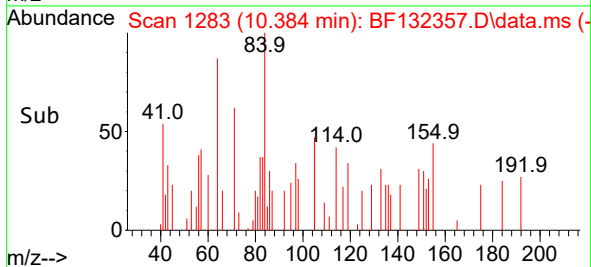
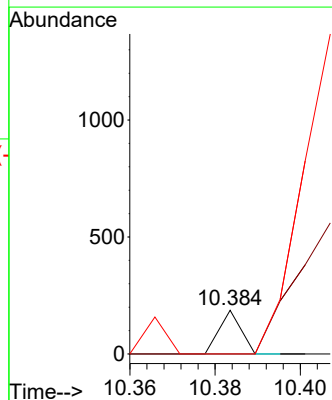
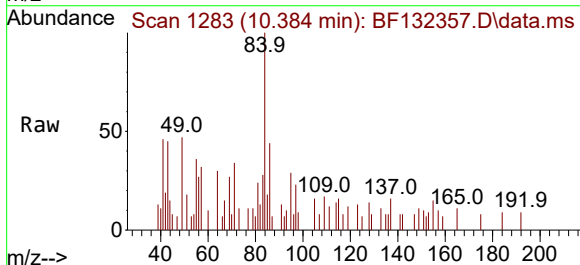
Instrument :
BNA_F
ClientSampleId :
JPP-39-020723

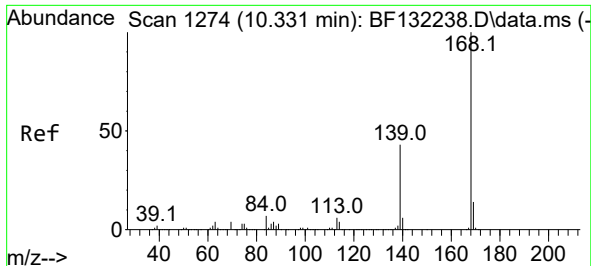
Tgt Ion:154 Resp: 72798
Ion Ratio Lower Upper
154 100
153 113.3 88.3 132.5
152 53.8 42.7 64.1



#54
2,4-Dinitrophenol
Concen: 4.349 ng
RT: 10.384 min Scan# 1283
Delta R.T. 0.235 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

Tgt Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 0.0 41.6 62.4#
154 0.0 57.0 85.6#

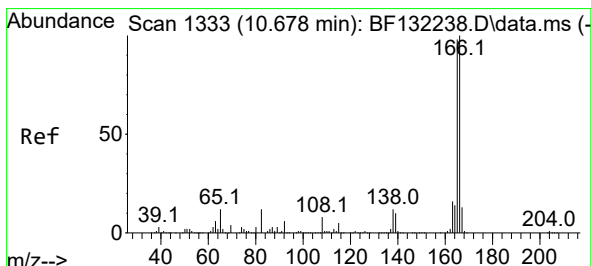
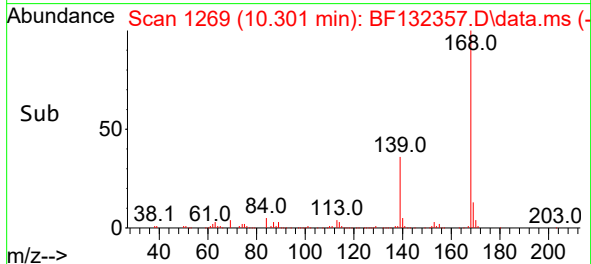
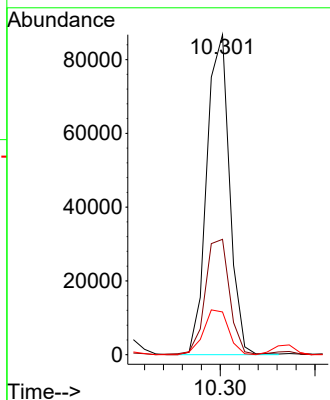
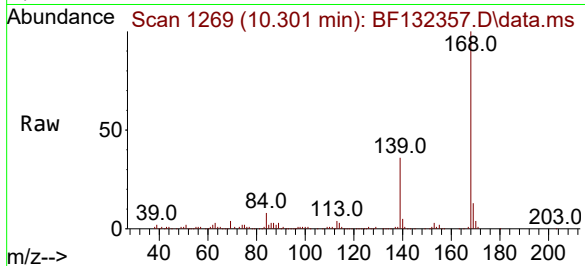




#55
Dibenzenofuran
Concen: 2.692 ng
RT: 10.301 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

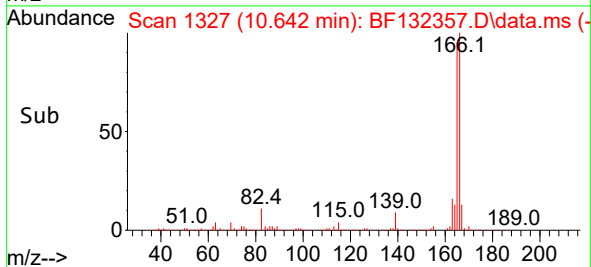
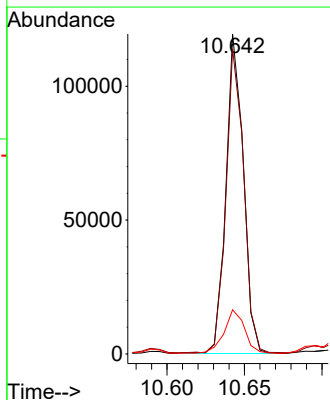
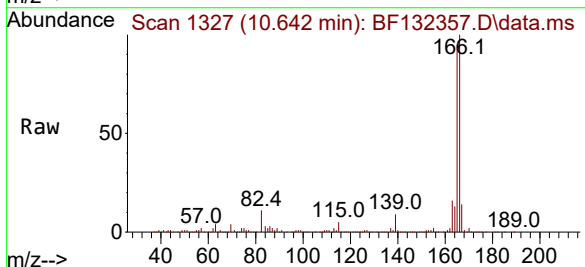
Instrument :
BNA_F
ClientSampleId :
JPP-39-020723

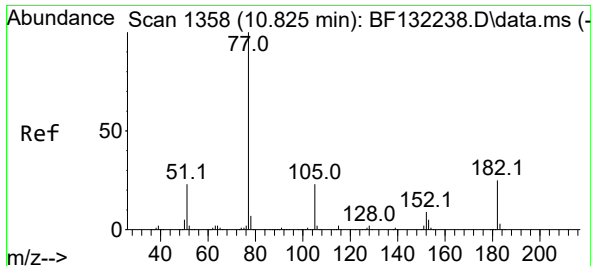
Tgt Ion:168 Resp: 72450
Ion Ratio Lower Upper
168 100
139 36.1 34.2 51.4
169 13.4 11.2 16.8



#58
Fluorene
Concen: 4.505 ng
RT: 10.642 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

Tgt Ion:166 Resp: 93306
Ion Ratio Lower Upper
166 100
165 95.4 78.0 117.0
167 13.8 10.8 16.2

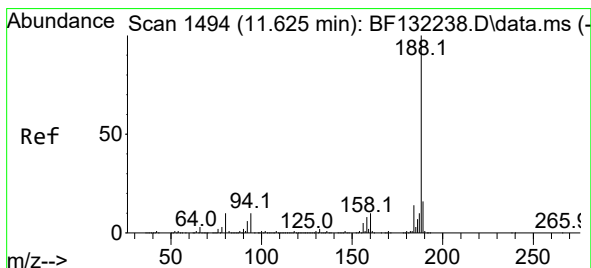
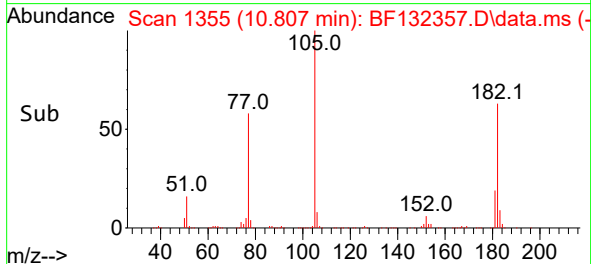
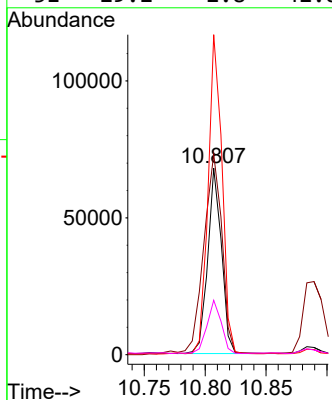
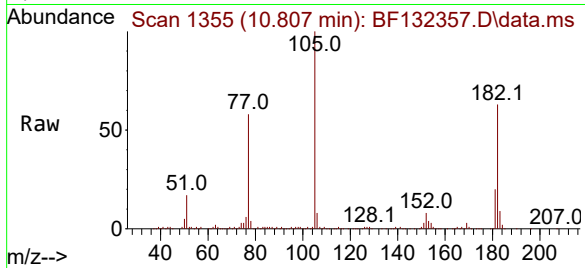




#63
Azobenzene
Concen: 2.452 ng
RT: 10.807 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

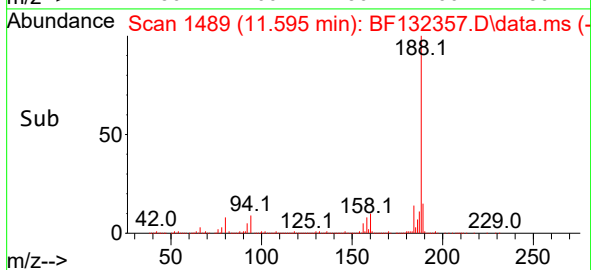
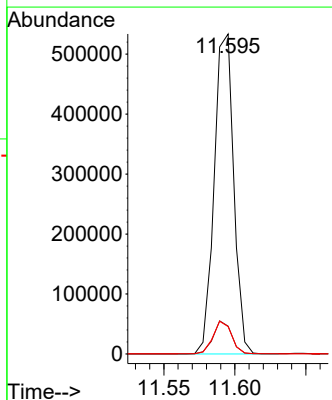
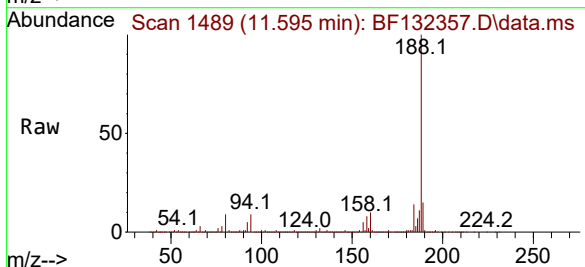
Instrument :
BNA_F
ClientSampleId :
JPP-39-020723

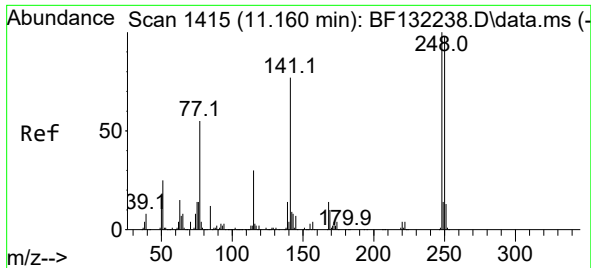
Tgt Ion: 77 Resp: 53052
Ion Ratio Lower Upper
77 100
182 107.6 4.5 44.5#
105 171.5 2.7 42.7#
51 29.2 2.8 42.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.595 min Scan# 1489
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

Tgt Ion: 188 Resp: 509262
Ion Ratio Lower Upper
188 100
94 8.7 8.2 12.2
80 8.5 8.3 12.5

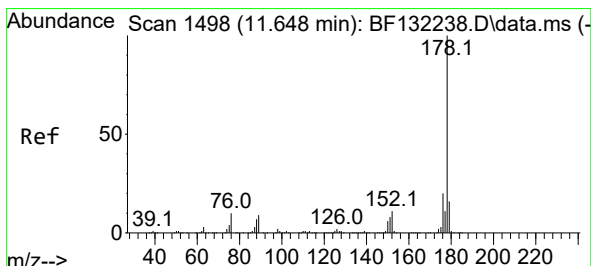
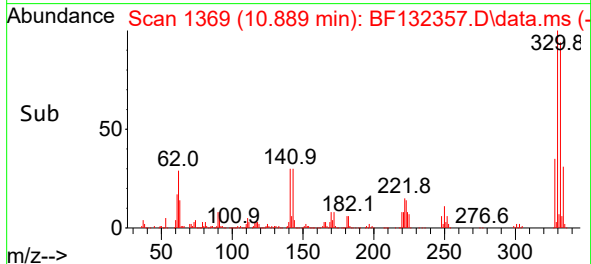
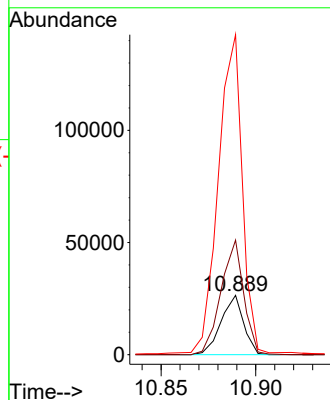
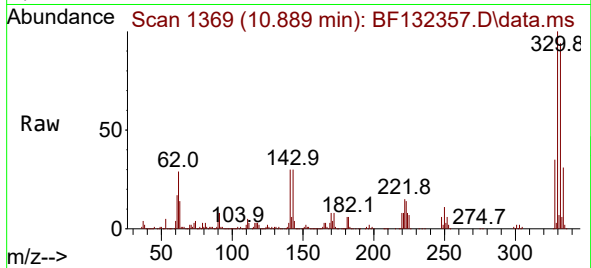




#67
4-Bromophenyl-phenylether
Concen: 4.205 ng
RT: 10.889 min Scan# 11
Delta R.T. -0.241 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

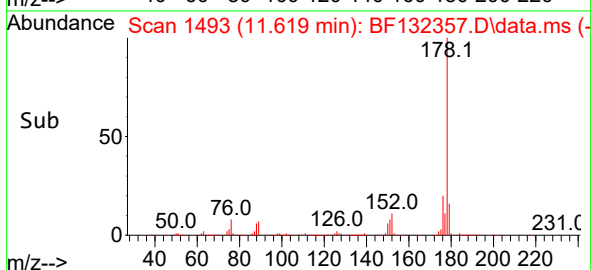
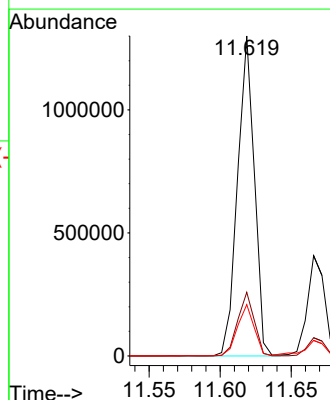
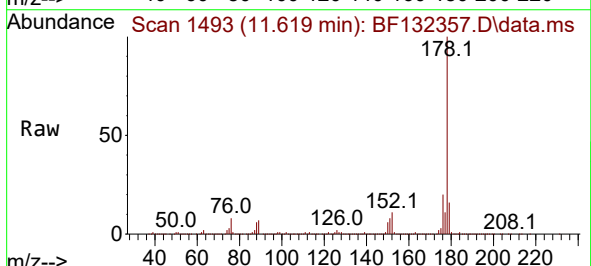
Instrument :
BNA_F
ClientSampleId :
JPP-39-020723

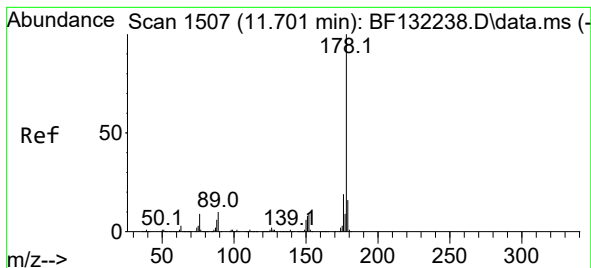
Tgt Ion:248 Resp: 21926
Ion Ratio Lower Upper
248 100
250 193.2 78.6 117.8#
141 539.7 61.6 92.4#



#71
Phenanthrene
Concen: 40.392 ng
RT: 11.619 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

Tgt Ion:178 Resp: 1074902
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.4
179 16.1 12.8 19.2





#72

Anthracene

Concen: 12.425 ng

RT: 11.666 min Scan# 1501

Delta R.T. -0.006 min

Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

Instrument :

BNA_F

ClientSampleId :

JPP-39-020723

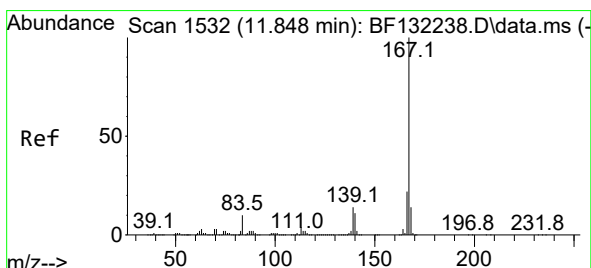
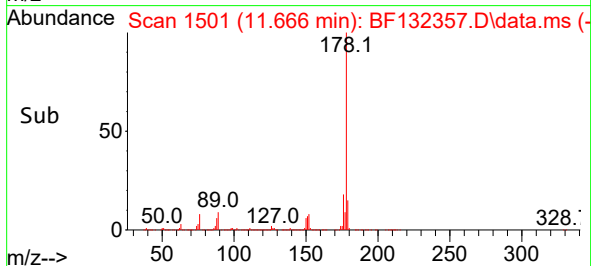
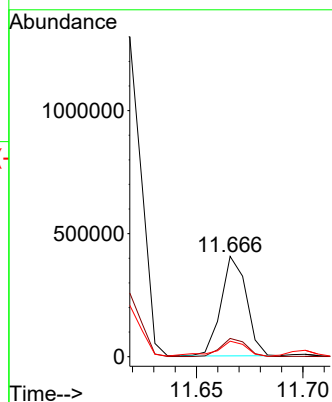
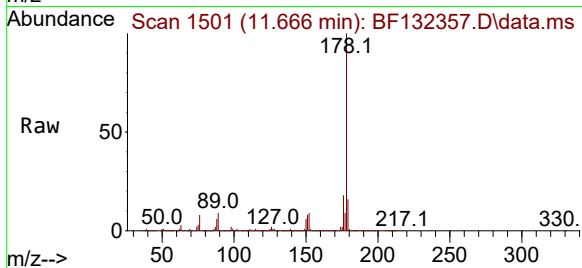
Tgt Ion:178 Resp: 336488

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

179 15.5 12.8 19.2



#73

Carbazole

Concen: 2.392 ng

RT: 11.819 min Scan# 1527

Delta R.T. -0.006 min

Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

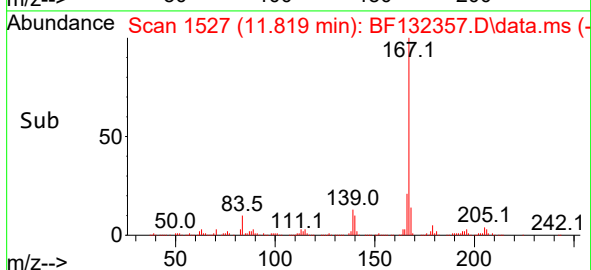
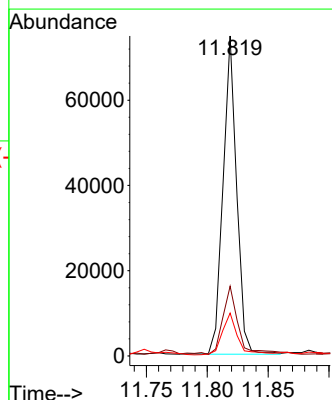
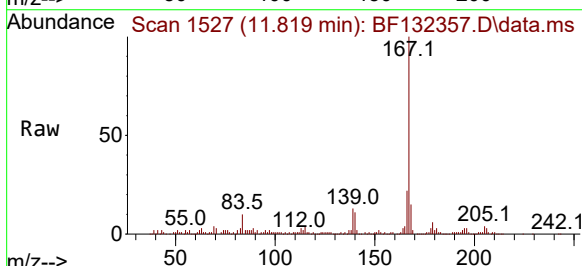
Tgt Ion:167 Resp: 58087

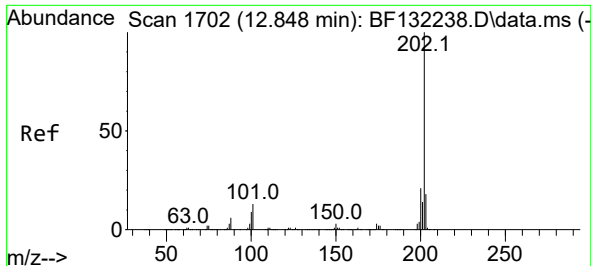
Ion Ratio Lower Upper

167 100

166 21.8 17.4 26.0

139 13.4 11.4 17.2

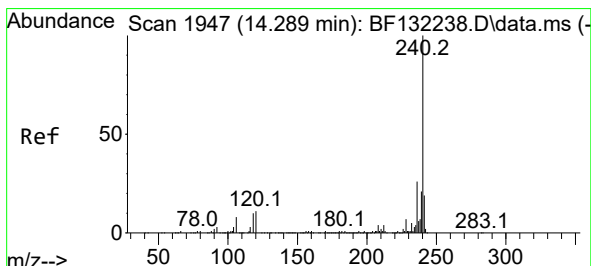
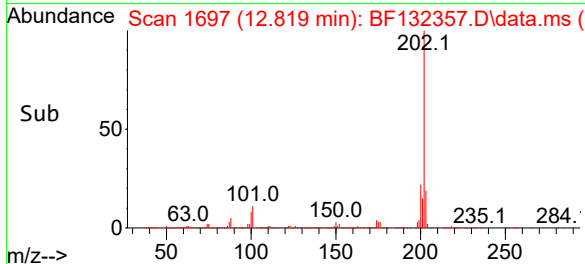
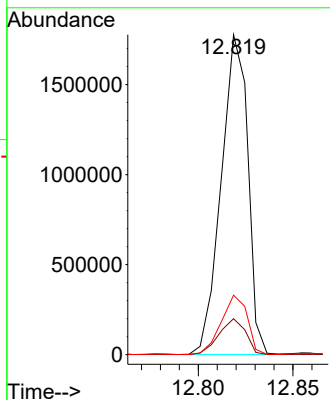
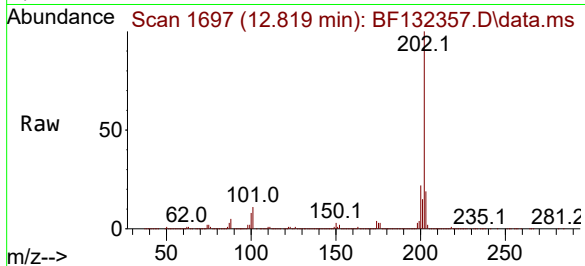




#75
Fluoranthene
Concen: 64.050 ng
RT: 12.819 min Scan# 1697
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

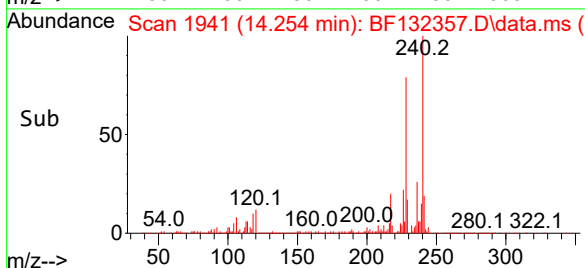
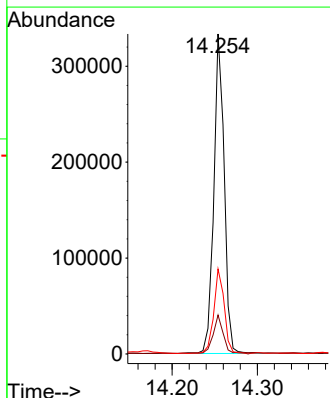
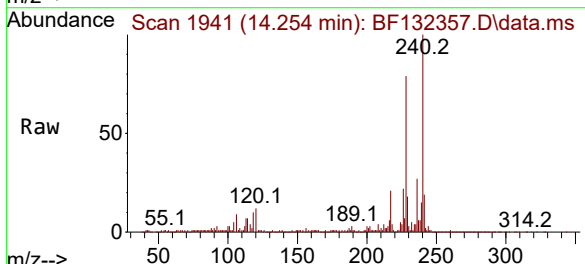
Instrument :
BNA_F
ClientSampleId :
JPP-39-020723

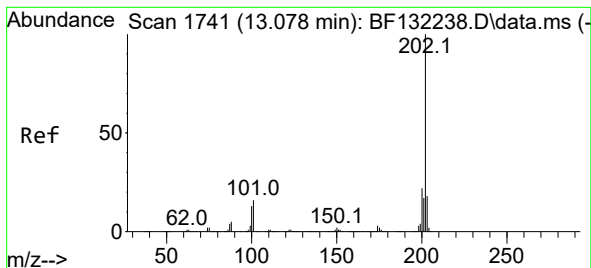
Tgt Ion:202 Resp: 1739401
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.7
203 18.6 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.254 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

Tgt Ion:240 Resp: 283017
Ion Ratio Lower Upper
240 100
120 12.2 8.8 13.2
236 26.5 21.0 31.6





#78

Pyrene

Concen: 69.446 ng

RT: 13.054 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

Instrument :

BNA_F

ClientSampleId :

JPP-39-020723

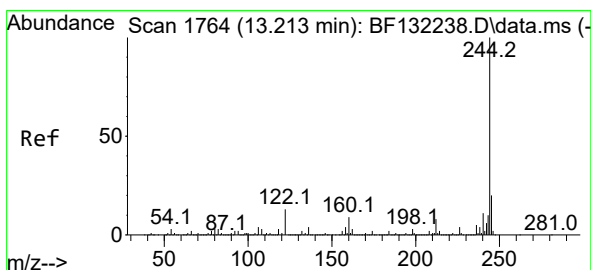
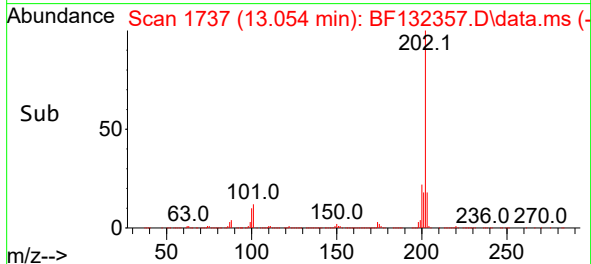
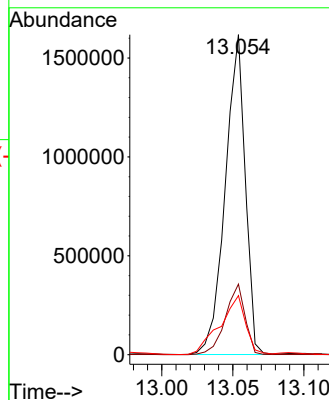
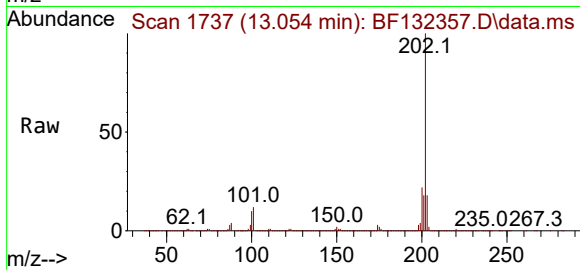
Tgt Ion:202 Resp: 1580824

Ion Ratio Lower Upper

202 100

200 22.1 17.3 25.9

203 18.5 14.4 21.6



#79

Terphenyl-d14

Concen: 73.963 ng

RT: 13.183 min Scan# 1759

Delta R.T. -0.006 min

Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

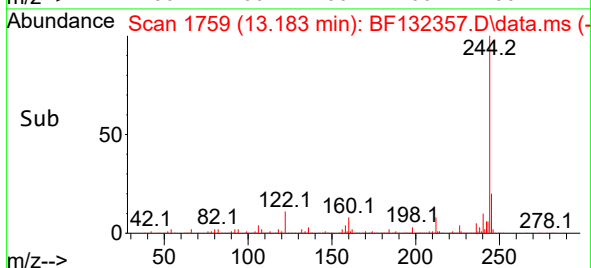
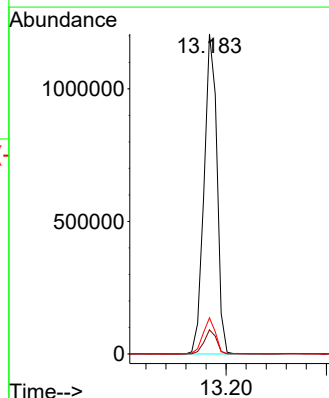
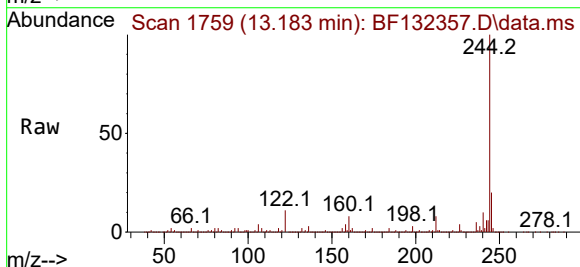
Tgt Ion:244 Resp: 1082122

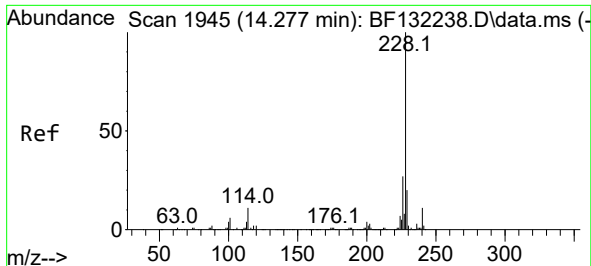
Ion Ratio Lower Upper

244 100

212 7.5 6.4 9.6

122 11.3 10.5 15.7

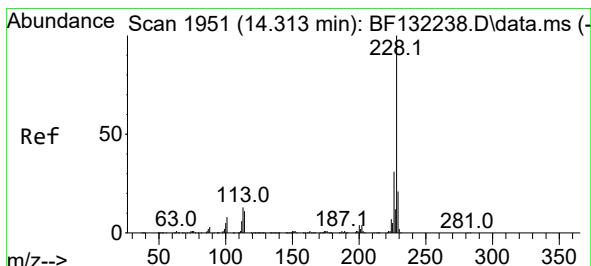
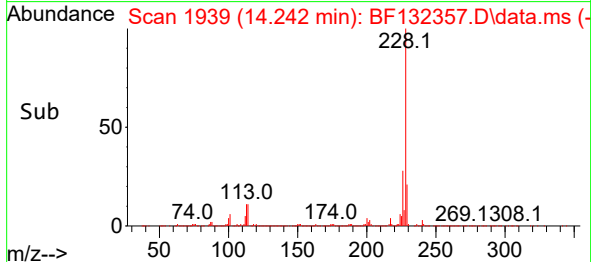
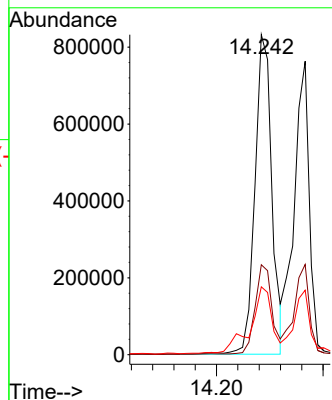
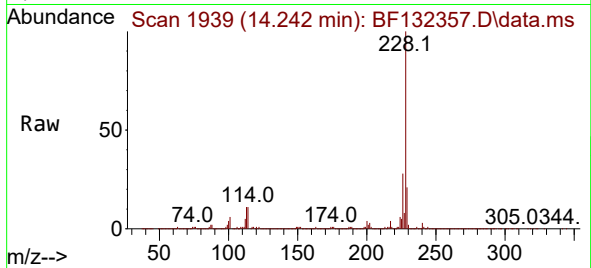




#81
Benzo(a)anthracene
Concen: 46.296 ng
RT: 14.242 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

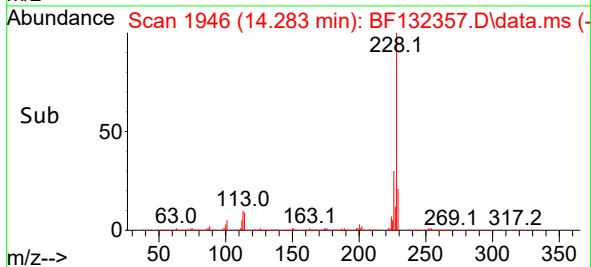
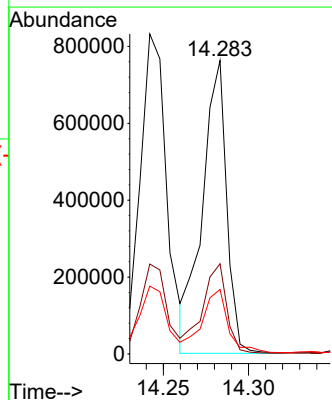
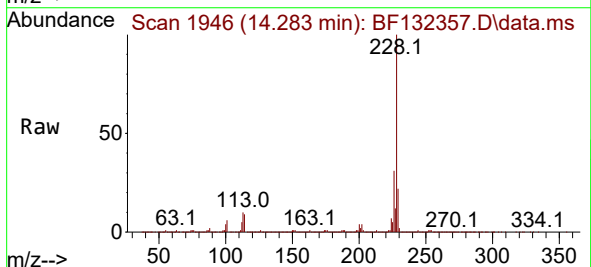
Instrument :
BNA_F
ClientSampleId :
JPP-39-020723

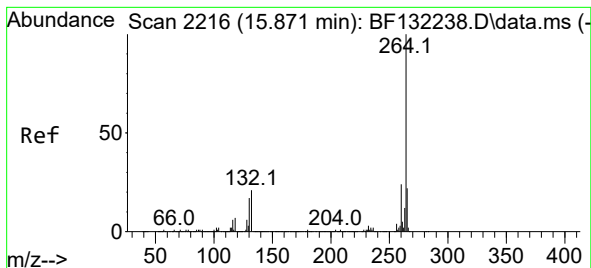
Tgt Ion:228 Resp: 916410
Ion Ratio Lower Upper
228 100
226 28.1 22.0 33.0
229 21.2 15.8 23.6



#83
Chrysene
Concen: 40.927 ng
RT: 14.283 min Scan# 1946
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

Tgt Ion:228 Resp: 758594
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 22.0 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.830 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

Instrument :

BNA_F

ClientSampleId :

JPP-39-020723

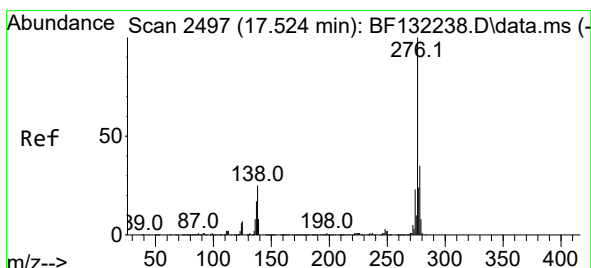
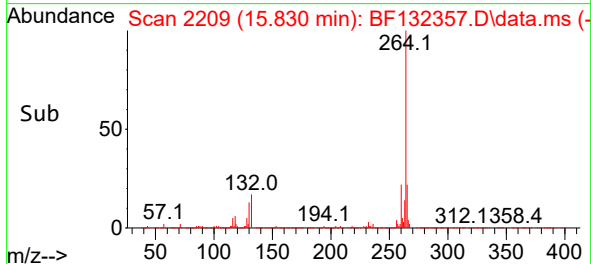
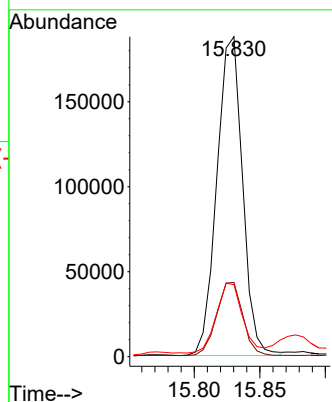
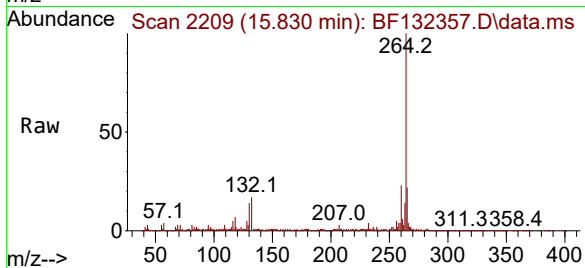
Tgt Ion:264 Resp: 255360

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.4

265 22.5 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 19.844 ng

RT: 17.454 min Scan# 2485

Delta R.T. 0.000 min

Lab File: BF132357.D

Acq: 08 Feb 2023 15:14

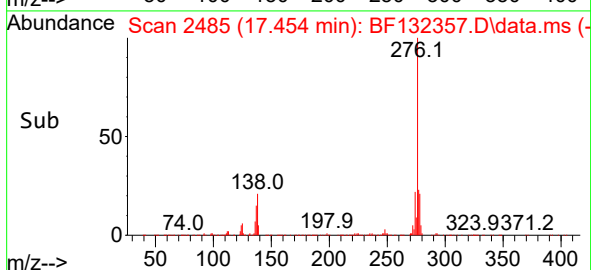
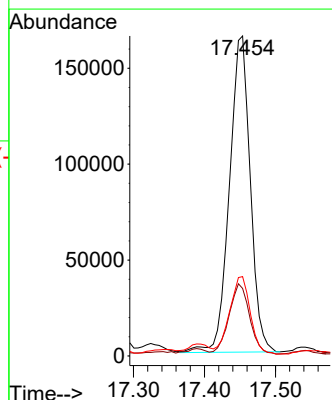
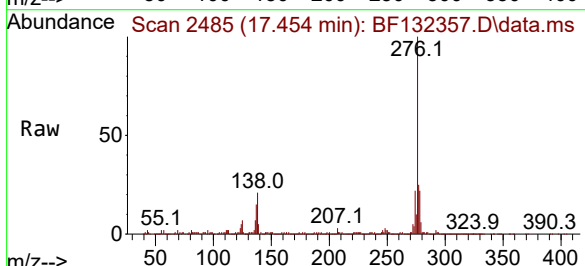
Tgt Ion:276 Resp: 336702

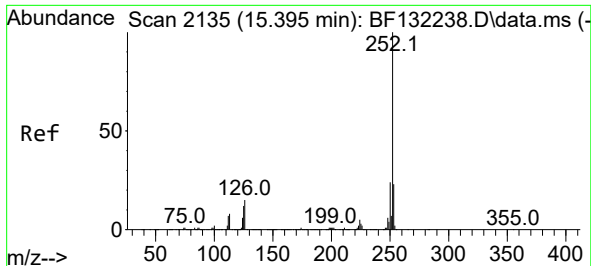
Ion Ratio Lower Upper

276 100

138 21.8 23.3 34.9#

277 24.2 20.0 30.0

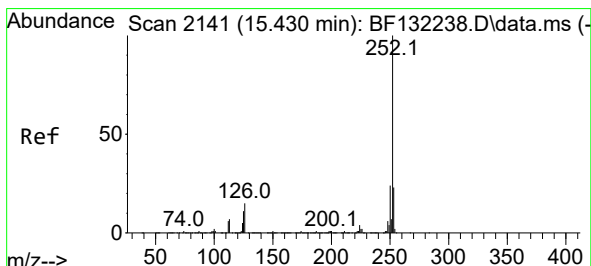
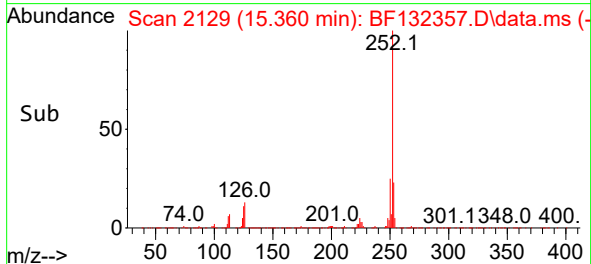
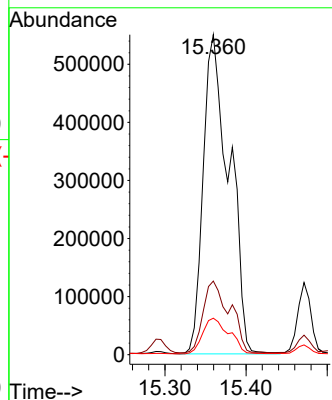
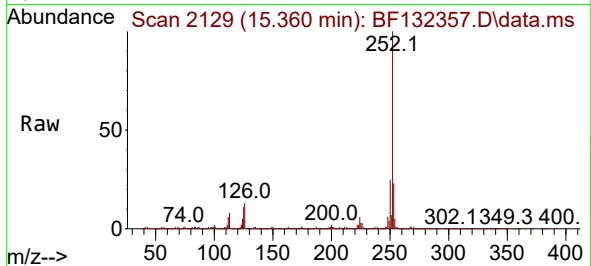




#88
Benzo(b)fluoranthene
Concen: 75.607 ng
RT: 15.360 min Scan# 2135
Delta R.T. 0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

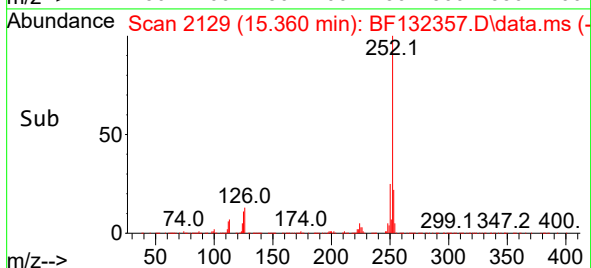
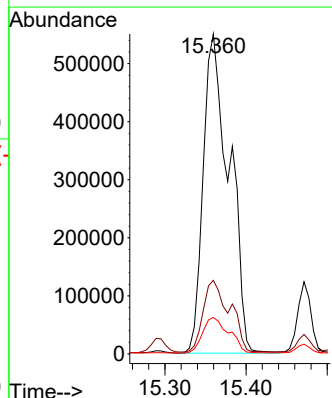
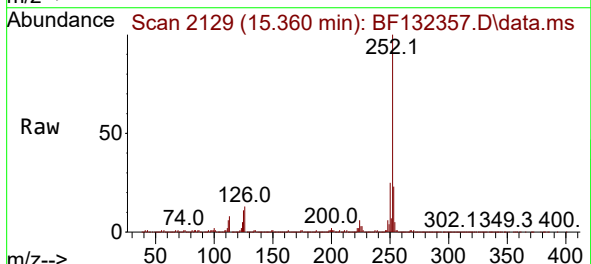
Instrument :
BNA_F
ClientSampleId :
JPP-39-020723

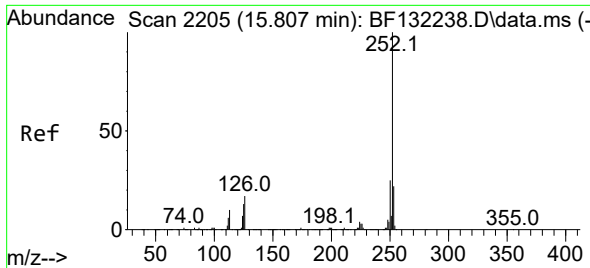
Tgt Ion:252 Resp: 1227239
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 11.4 9.6 14.4



#89
Benzo(k)fluoranthene
Concen: 79.209 ng
RT: 15.360 min Scan# 2129
Delta R.T. -0.029 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

Tgt Ion:252 Resp: 1227239
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.2
125 11.4 9.0 13.6

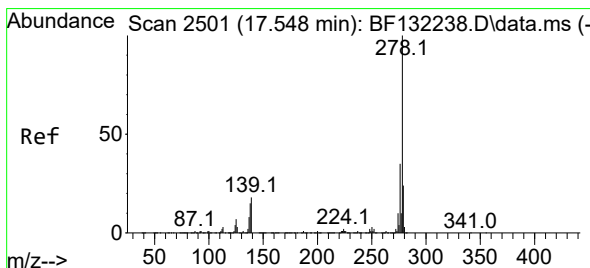
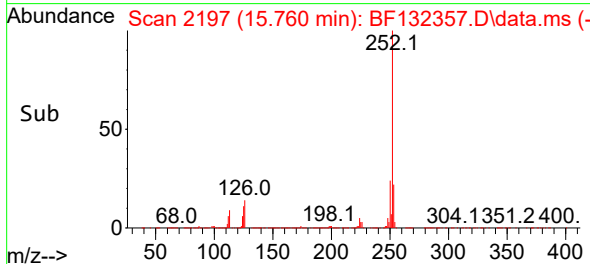
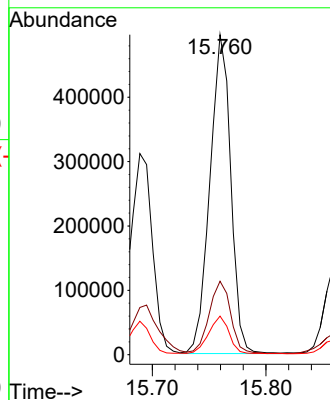
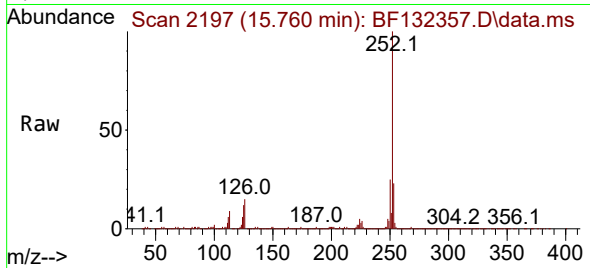




#90
Benzo(a)pyrene
Concen: 41.920 ng
RT: 15.760 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

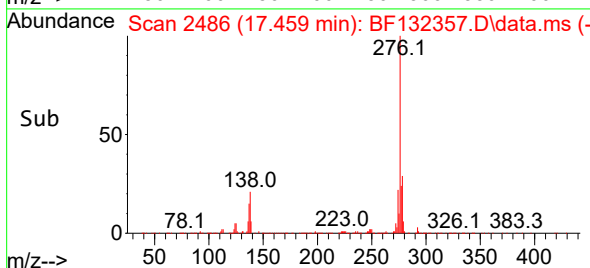
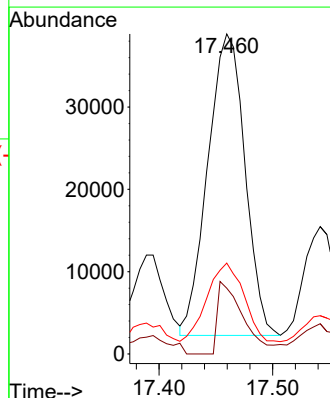
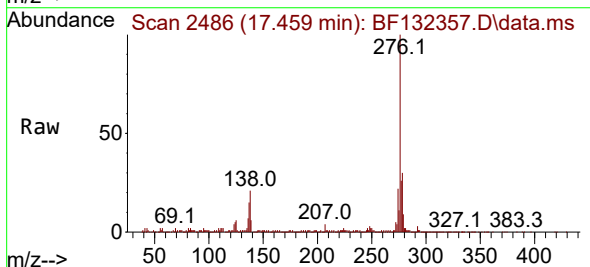
Instrument :
BNA_F
ClientSampleId :
JPP-39-020723

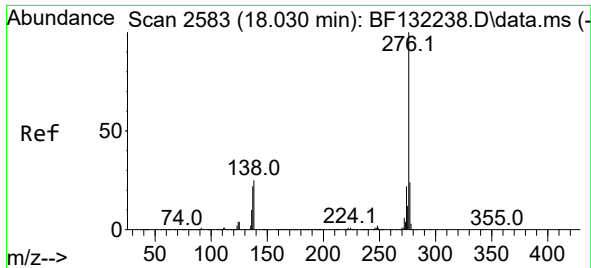
Tgt Ion:252 Resp: 633625
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 12.0 10.2 15.4



#91
Dibenzo(a,h)anthracene
Concen: 6.098 ng
RT: 17.459 min Scan# 2486
Delta R.T. -0.012 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

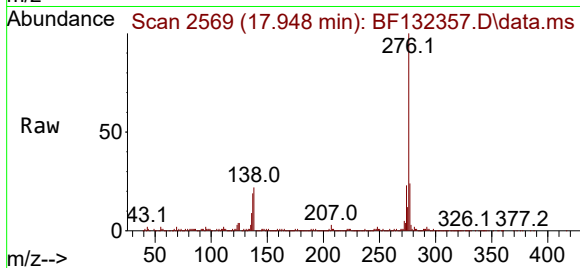
Tgt Ion:278 Resp: 83188
Ion Ratio Lower Upper
278 100
139 20.6 14.2 21.2
279 28.4 19.6 29.4





#92
Benzo(g,h,i)perylene
Concen: 21.967 ng
RT: 17.948 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF132357.D
Acq: 08 Feb 2023 15:14

Instrument :
BNA_F
ClientSampleId :
JPP-39-020723



Tgt Ion:276 Resp: 309583
Ion Ratio Lower Upper
276 100
277 24.5 19.4 29.2
138 21.8 20.3 30.5

