

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020223\
 Data File : BF132309.D
 Acq On : 03 Feb 2023 00:27
 Operator : CG\JU
 Sample : 01386-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-9-013123

Quant Time: Feb 03 02:20:38 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 02 01:30:34 2023
 Response via : Initial Calibration

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

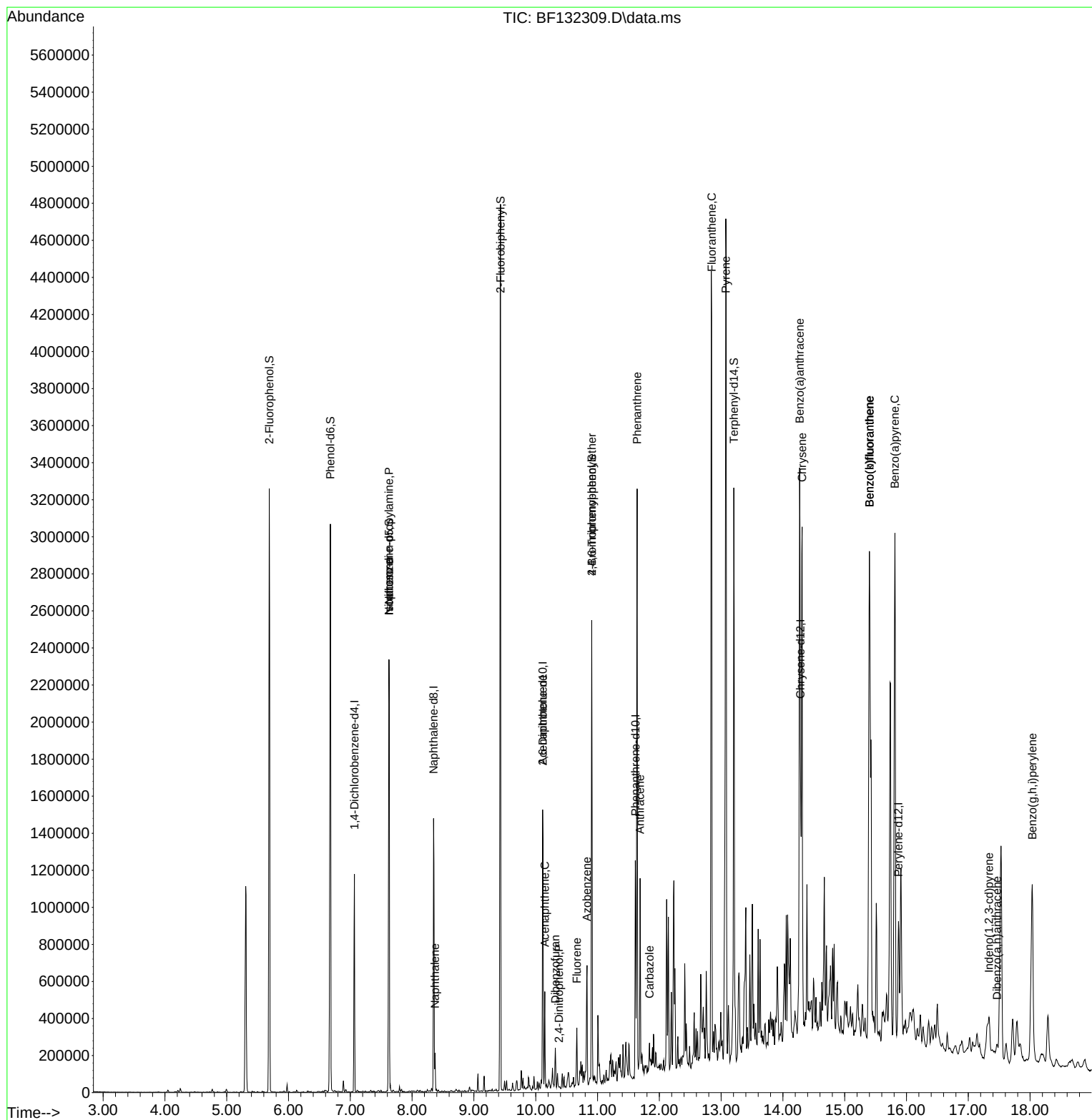
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.066	152	169107	20.000	ng	0.00
21) Naphthalene-d8	8.348	136	646742	20.000	ng	-0.01
39) Acenaphthene-d10	10.113	164	307916	20.000	ng	-0.01
64) Phenanthrene-d10	11.613	188	440773	20.000	ng	-0.01
76) Chrysene-d12	14.283	240	254914	20.000	ng	0.00
86) Perylene-d12	15.871	264	288067	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	1116966	106.170	ng	0.00
7) Phenol-d6	6.678	99	1366399	105.348	ng	0.00
23) Nitrobenzene-d5	7.625	82	838126	72.114	ng	-0.01
42) 2,4,6-Tribromophenol	10.907	330	283474	89.523	ng	-0.01
45) 2-Fluorobiphenyl	9.430	172	1491877	74.820	ng	0.00
79) Terphenyl-d14	13.207	244	1047228	79.469	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.613	77	948	Below Cal	#	71
19) n-Nitroso-di-n-propyla...	7.625	70	107412	14.579	ng	# 77
25) Isophorone	7.625	82	837939	37.986	ng	# 64
31) Naphthalene	8.372	128	74720	2.347	ng	# 99
51) 2,6-Dinitrotoluene	10.113	165	42718	8.880	ng	# 25
52) Acenaphthene	10.148	154	92427	5.003	ng	# 96
54) 2,4-Dinitrophenol	10.377	184	65	4.350	ng	# 19
55) Dibenzofuran	10.319	168	65243	2.514	ng	# 95
58) Fluorene	10.666	166	75790	3.794	ng	# 99
63) Azobenzene	10.830	77	89091	4.269	ng	# 1
67) 4-Bromophenyl-phenylether	10.907	248	17156	3.801	ng	# 1
71) Phenanthrene	11.642	178	1160120	50.368	ng	# 99
72) Anthracene	11.689	178	364715	15.559	ng	# 99
73) Carbazole	11.842	167	43563	2.073	ng	# 98
75) Fluoranthene	12.848	202	1910596	81.286	ng	# 97
78) Pyrene	13.077	202	2221432	108.347	ng	# 98
81) Benzo(a)anthracene	14.271	228	1281005	71.849	ng	# 96
83) Chrysene	14.312	228	1122894	67.260	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.336	276	163938	8.565	ng	# 96
88) Benzo(b)fluoranthene	15.401	252	2386728	130.345	ng	# 99
89) Benzo(k)fluoranthene	15.401	252	2386543	136.544	ng	# 99
90) Benzo(a)pyrene	15.812	252	1520235	89.158	ng	# 97
91) Dibenzo(a,h)anthracene	17.465	278	37792	2.456	ng	# 93
92) Benzo(g,h,i)perylene	18.036	276	886509	55.761	ng	# 98

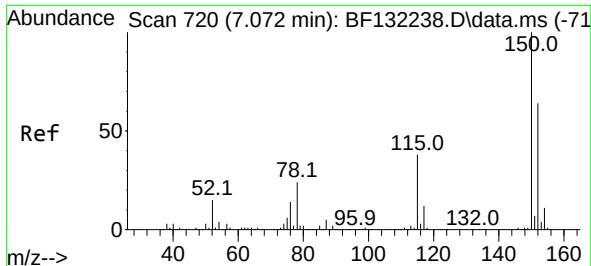
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 02 01:30:34 2023
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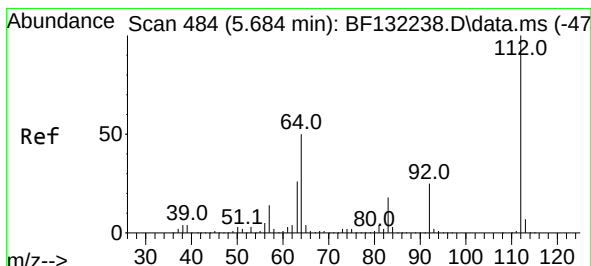
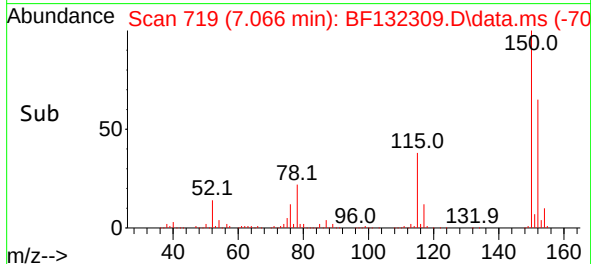
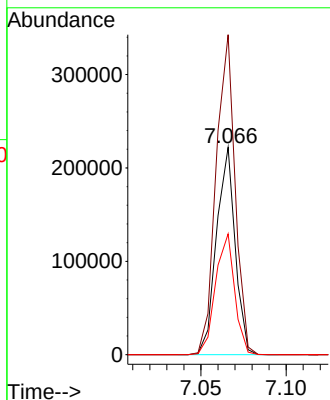
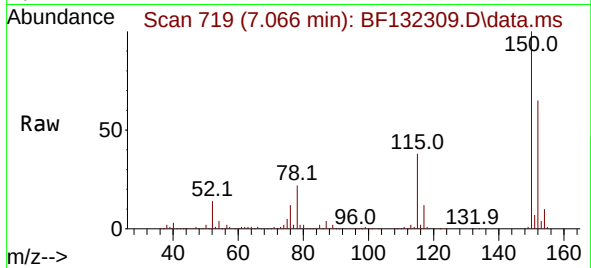




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.066 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

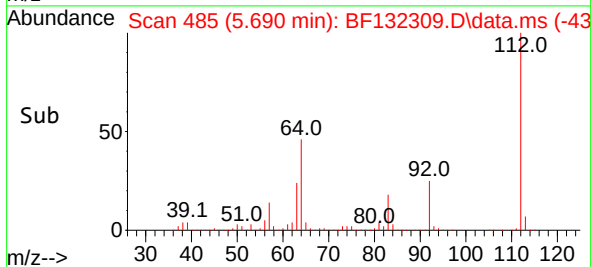
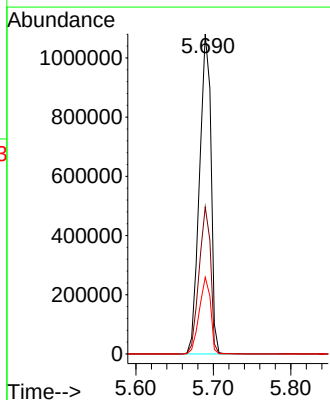
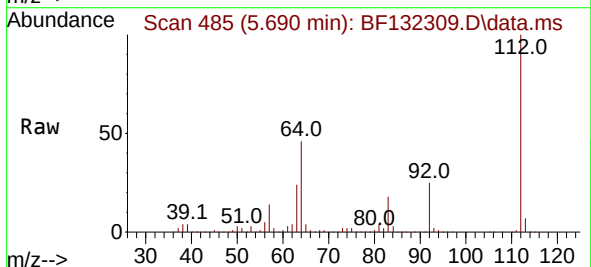
Instrument :
BNA_F
ClientSampleId :
JPP-9-013123

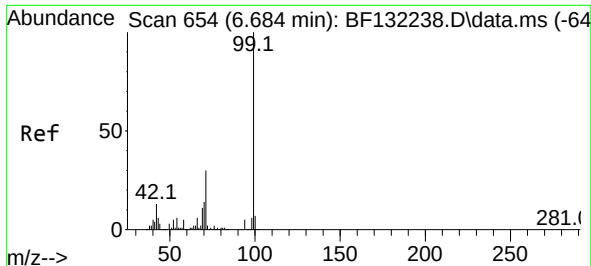
Tgt Ion:152 Resp: 169107
Ion Ratio Lower Upper
152 100
150 154.3 124.2 186.2
115 58.3 47.3 70.9



#5
2-Fluorophenol
Concen: 106.170 ng
RT: 5.690 min Scan# 485
Delta R.T. 0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion:112 Resp: 1116966
Ion Ratio Lower Upper
112 100
64 45.9 40.0 60.0
63 24.0 20.5 30.7

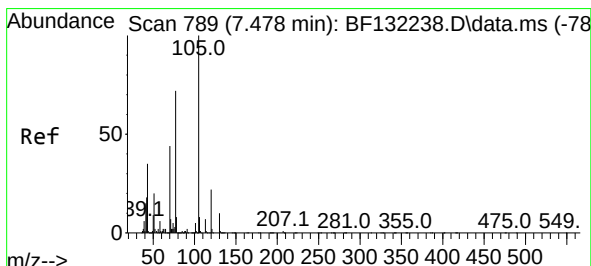
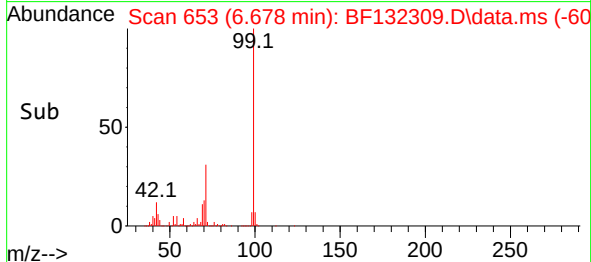
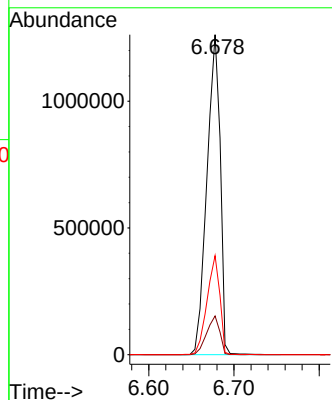
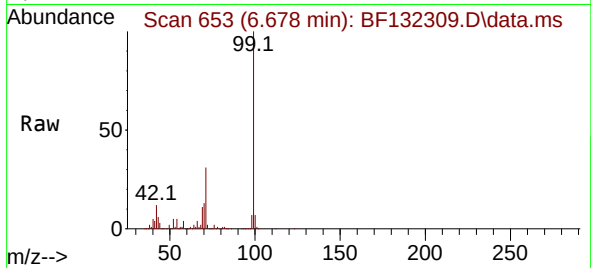




#7
Phenol-d6
Concen: 105.348 ng
RT: 6.678 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

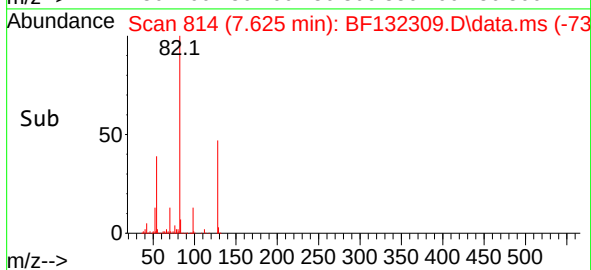
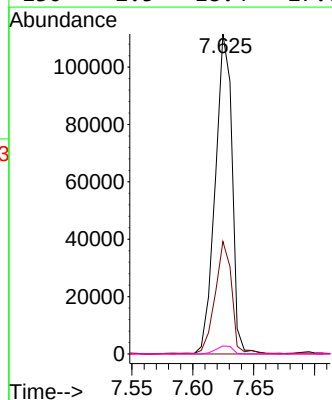
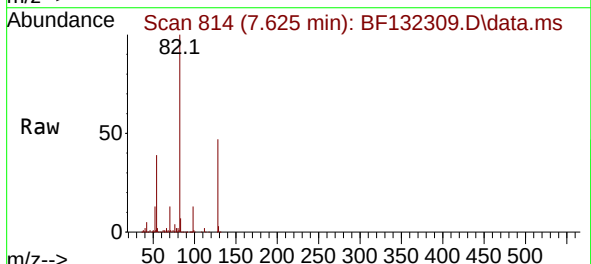
Instrument :
BNA_F
ClientSampleId :
JPP-9-013123

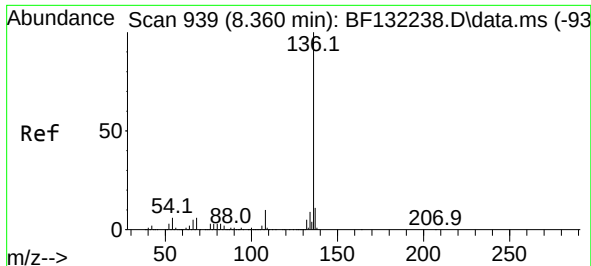
Tgt Ion: 99 Resp: 1366399
Ion Ratio Lower Upper
99 100
42 12.1 10.1 15.1
71 31.0 24.2 36.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.579 ng
RT: 7.625 min Scan# 814
Delta R.T. 0.147 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion: 70 Resp: 107412
Ion Ratio Lower Upper
70 100
42 35.2 33.4 50.0
101 0.0 8.2 12.4#
130 2.5 18.4 27.6#

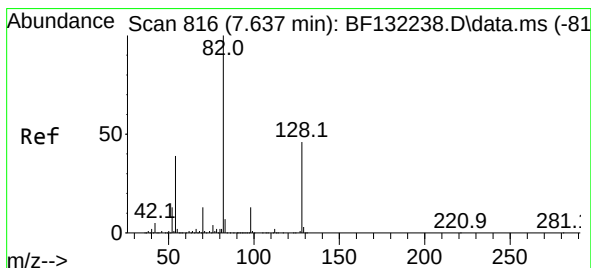
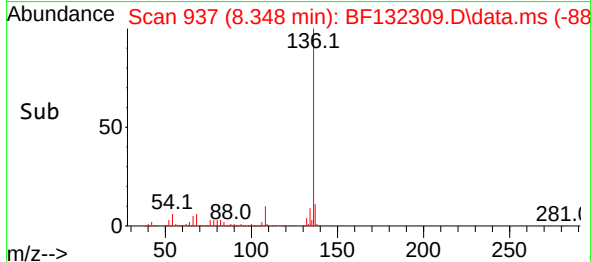
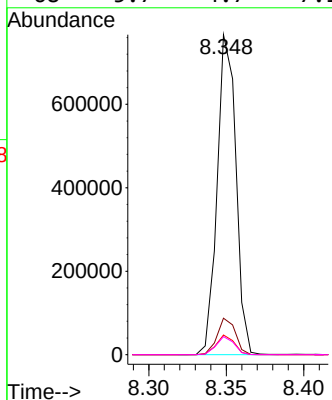
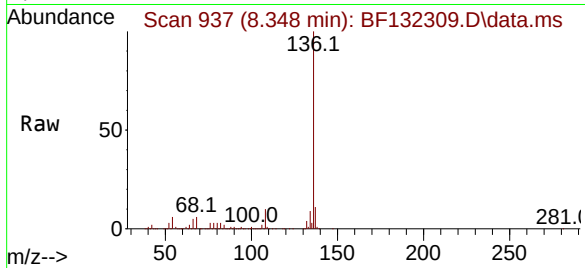




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.348 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

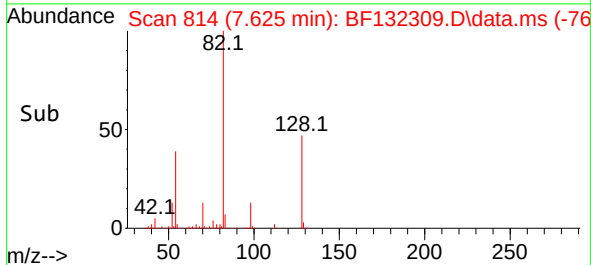
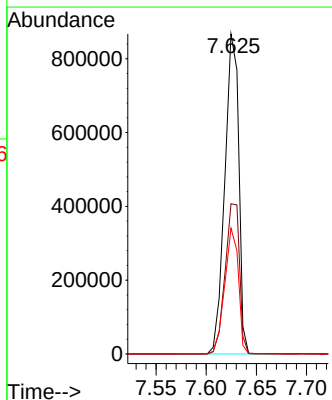
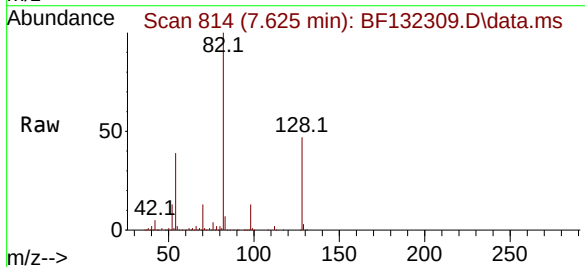
Instrument :
BNA_F
ClientSampleId :
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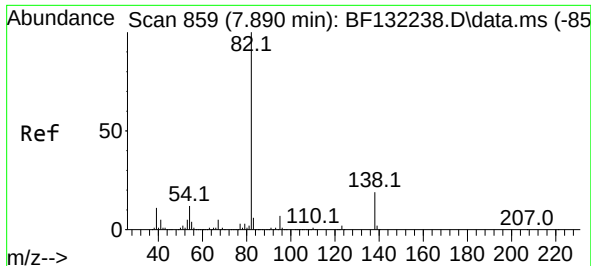
Tgt Ion:136 Resp: 646742
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 6.2 4.9 7.3
68 5.7 4.7 7.1



#23
Nitrobenzene-d5
Concen: 72.114 ng
RT: 7.625 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion: 82 Resp: 838126
Ion Ratio Lower Upper
82 100
128 47.0 37.0 55.4
54 39.3 31.5 47.3

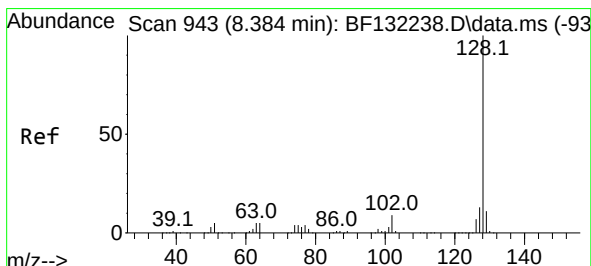
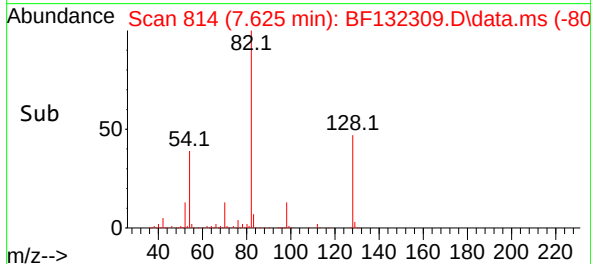
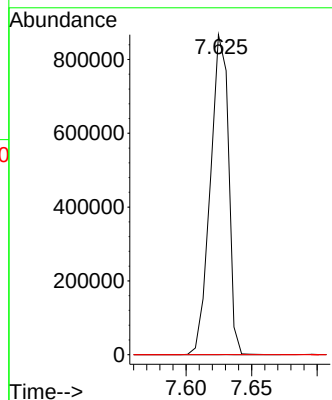
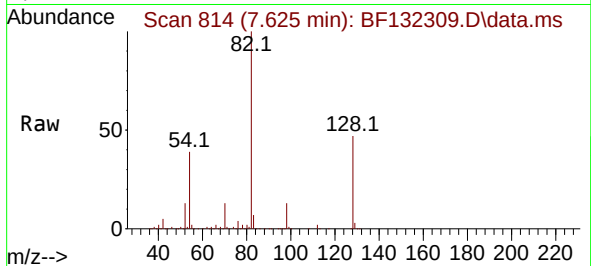




#25
Isophorone
Concen: 37.986 ng
RT: 7.625 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

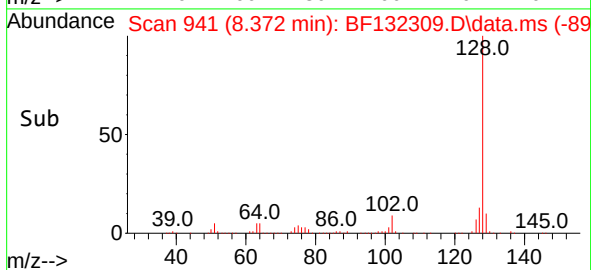
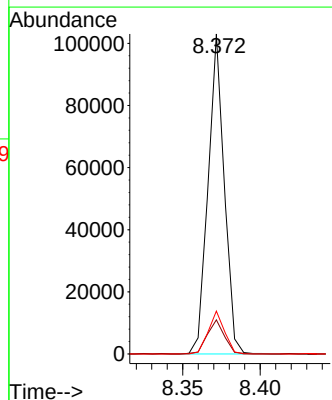
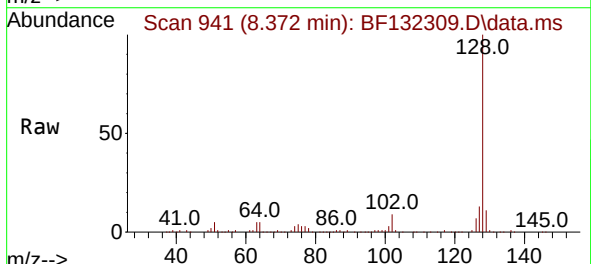
Instrument :
BNA_F
ClientSampleId :
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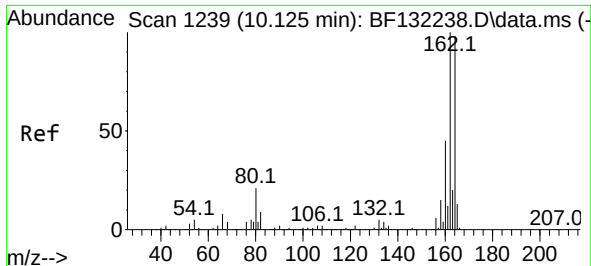
Tgt Ion: 82 Resp: 837939
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.0 22.6#



#31
Naphthalene
Concen: 2.347 ng
RT: 8.372 min Scan# 941
Delta R.T. -0.012 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion: 128 Resp: 74720
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 13.4 10.5 15.7

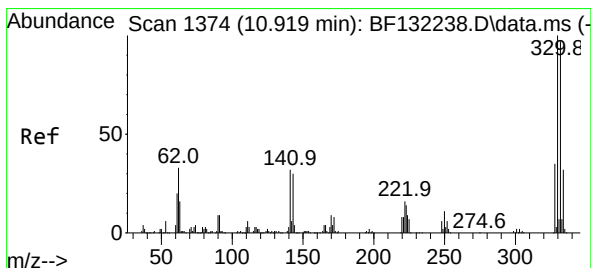
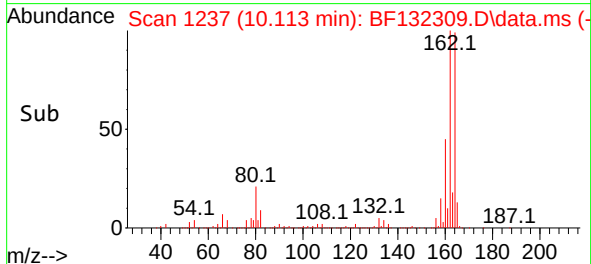
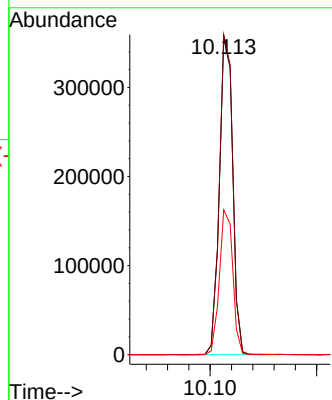
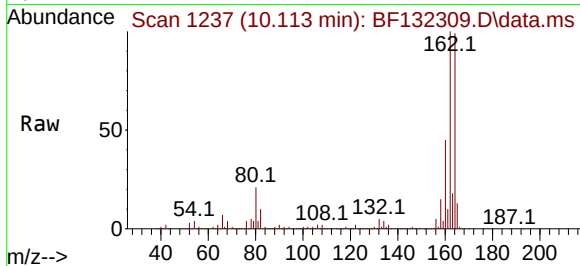




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.113 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

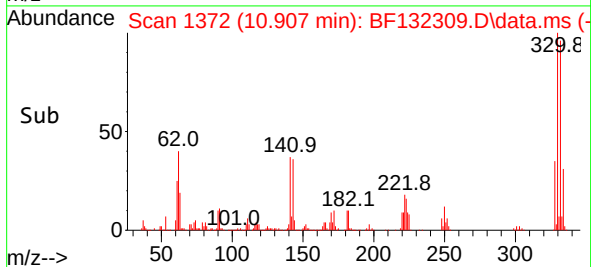
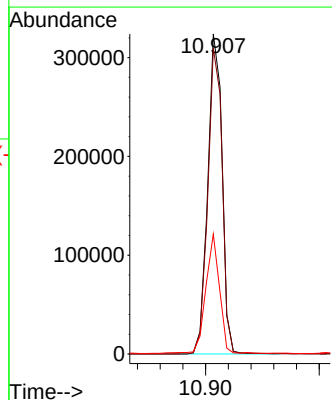
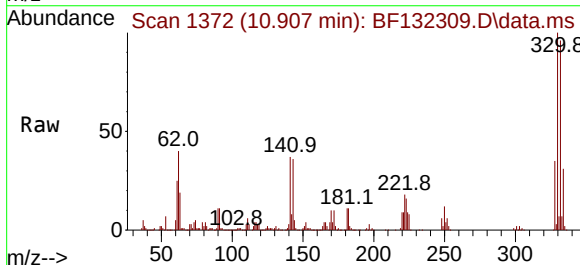
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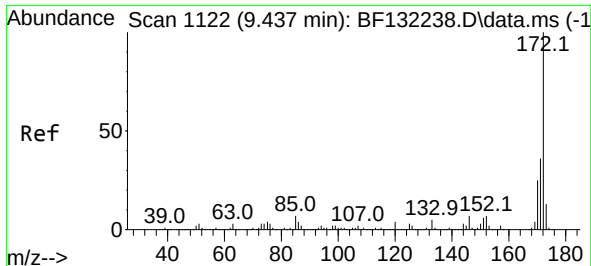
Tgt Ion:164 Resp: 307916
Ion Ratio Lower Upper
164 100
162 101.2 82.0 123.0
160 45.8 37.1 55.7



#42
2,4,6-Tribromophenol
Concen: 89.523 ng
RT: 10.907 min Scan# 1372
Delta R.T. -0.012 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion:330 Resp: 283474
Ion Ratio Lower Upper
330 100
332 96.0 77.9 116.9
141 35.4 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 74.820 ng

RT: 9.430 min Scan# 11

Delta R.T. -0.007 min

Lab File: BF132309.D

Acq: 03 Feb 2023 00:27

Instrument :

BNA_F

ClientSampleId :

JPP-9-013123

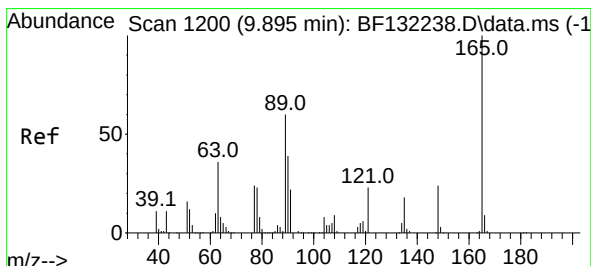
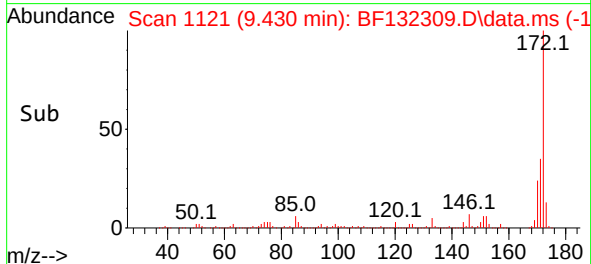
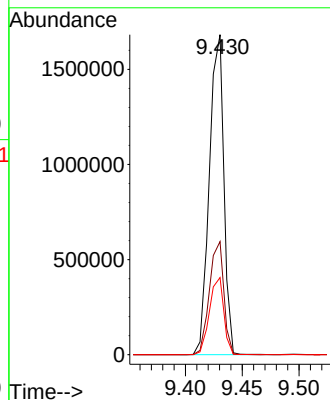
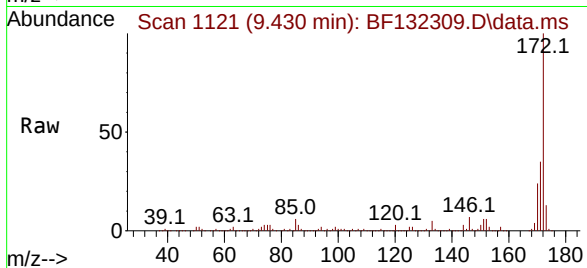
Tgt Ion:172 Resp: 1491877

Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 24.1 19.7 29.5



#51

2,6-Dinitrotoluene

Concen: 8.880 ng

RT: 10.113 min Scan# 1237

Delta R.T. 0.218 min

Lab File: BF132309.D

Acq: 03 Feb 2023 00:27

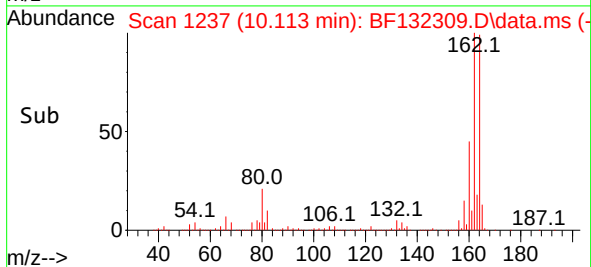
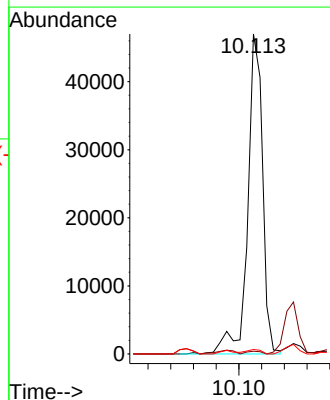
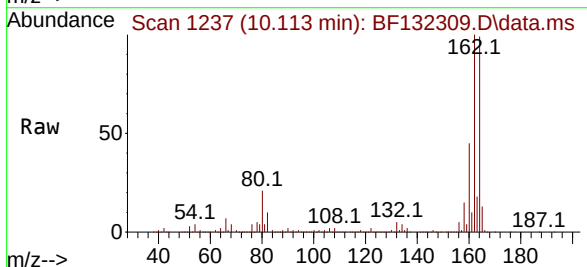
Tgt Ion:165 Resp: 42718

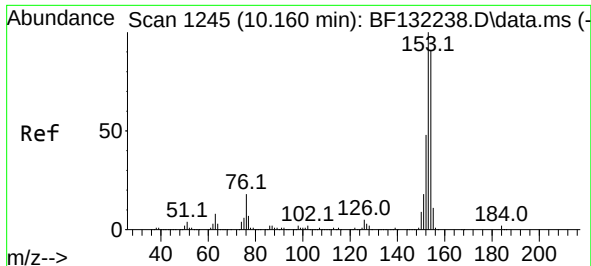
Ion Ratio Lower Upper

165 100

63 0.9 41.5 62.3#

89 1.4 48.1 72.1#

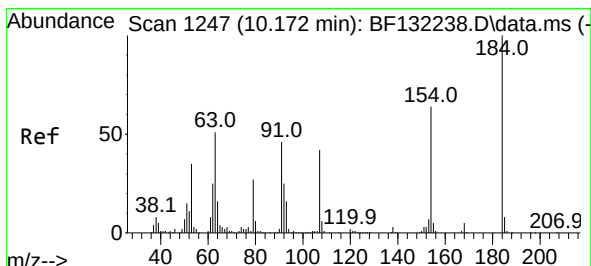
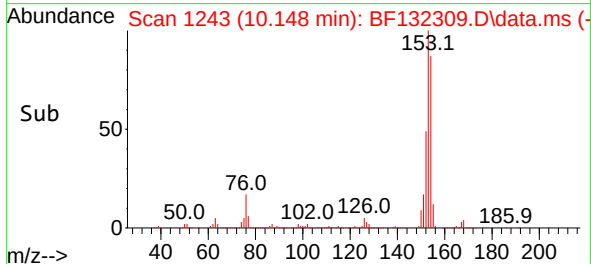
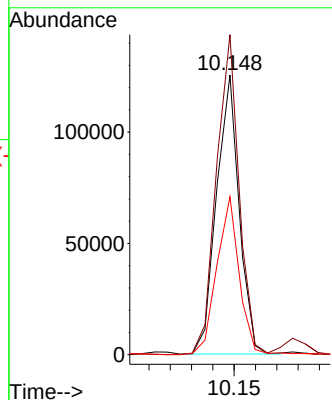
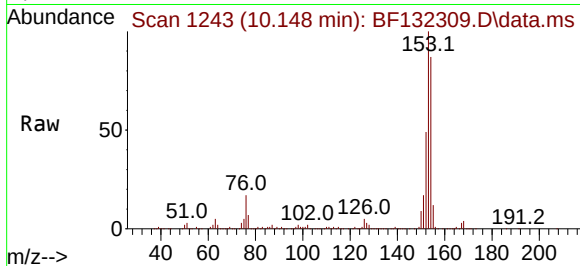




#52
Acenaphthene
Concen: 5.003 ng
RT: 10.148 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

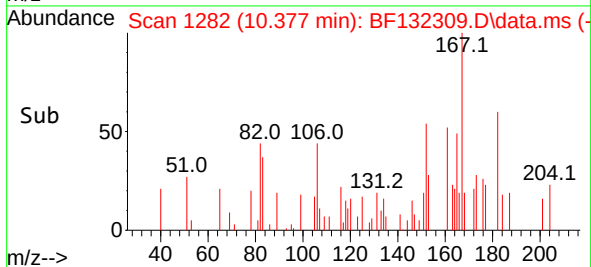
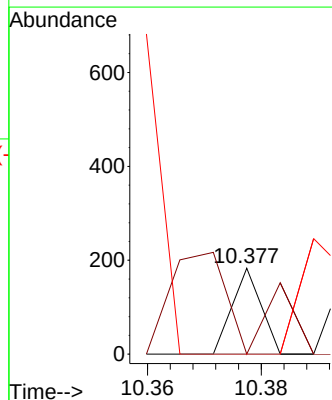
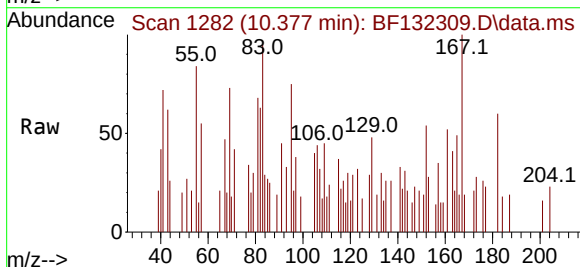
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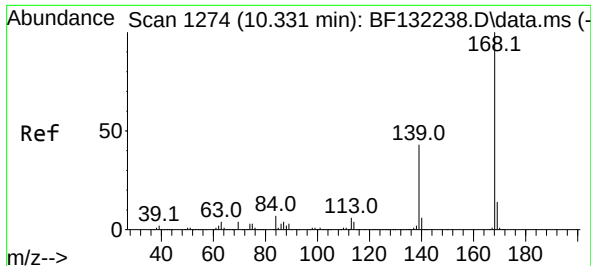
Tgt Ion:154 Resp: 92427
Ion Ratio Lower Upper
154 100
153 114.4 88.3 132.5
152 56.5 42.7 64.1



#54
2,4-Dinitrophenol
Concen: 4.350 ng
RT: 10.377 min Scan# 1282
Delta R.T. 0.205 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 0.0 41.6 62.4#
154 0.0 57.0 85.6#

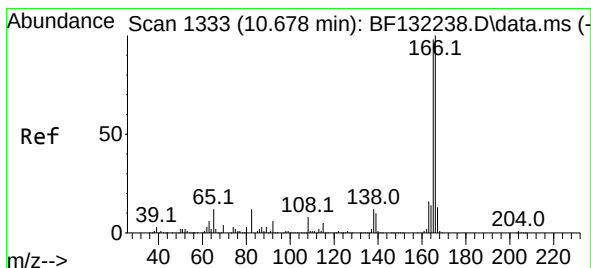
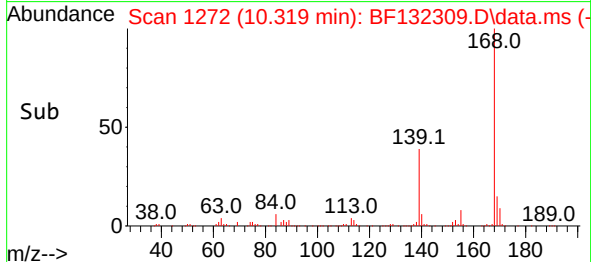
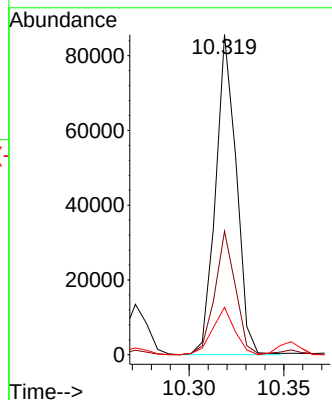
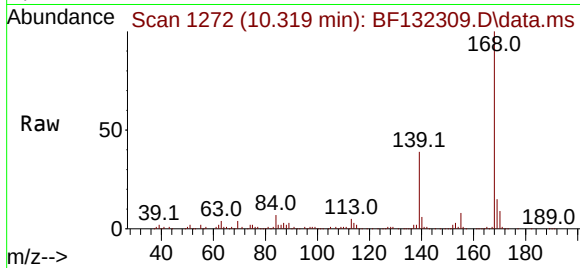




#55
Dibenzofuran
Concen: 2.514 ng
RT: 10.319 min Scan# 1272
Delta R.T. -0.012 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

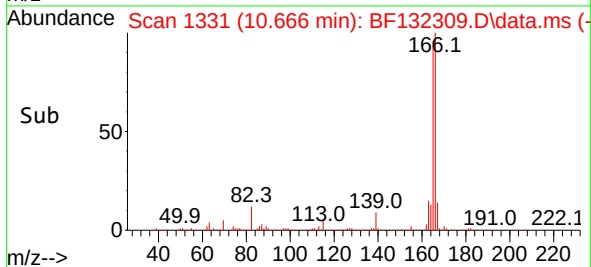
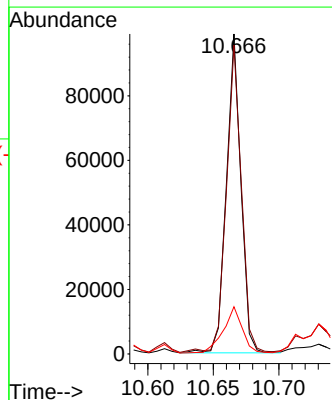
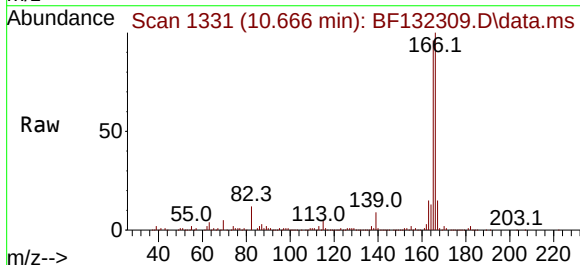
Instrument :
BNA_F
ClientSampleId :
JPP-9-013123

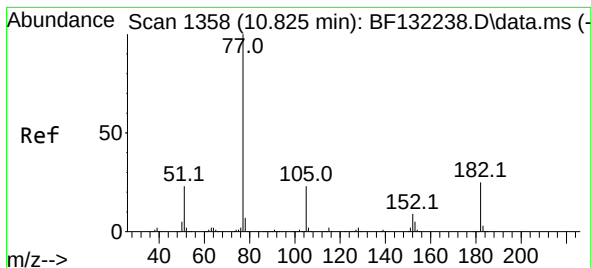
Tgt Ion:168 Resp: 65243
Ion Ratio Lower Upper
168 100
139 38.6 34.2 51.4
169 14.8 11.2 16.8



#58
Fluorene
Concen: 3.794 ng
RT: 10.666 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion:166 Resp: 75790
Ion Ratio Lower Upper
166 100
165 96.5 78.0 117.0
167 14.8 10.8 16.2





#63

Azobenzene

Concen: 4.269 ng

RT: 10.830 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF132309.D

Acq: 03 Feb 2023 00:27

Instrument :

BNA_F

ClientSampleId :

JPP-9-013123

Tgt Ion: 77 Resp: 89091

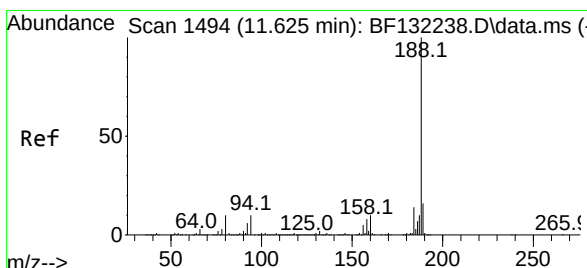
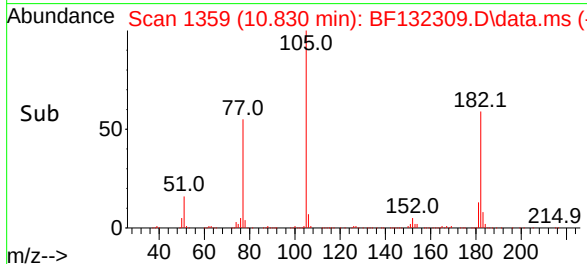
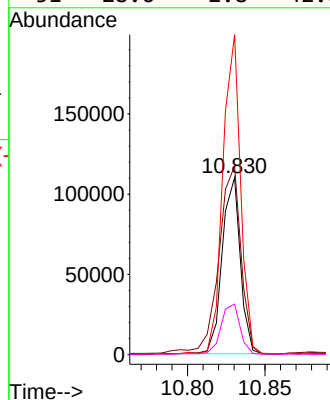
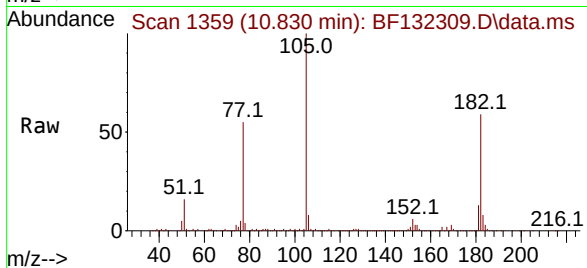
Ion Ratio Lower Upper

77 100

182 106.6 4.5 44.5#

105 180.7 2.7 42.7#

51 28.6 2.8 42.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.613 min Scan# 1492

Delta R.T. -0.012 min

Lab File: BF132309.D

Acq: 03 Feb 2023 00:27

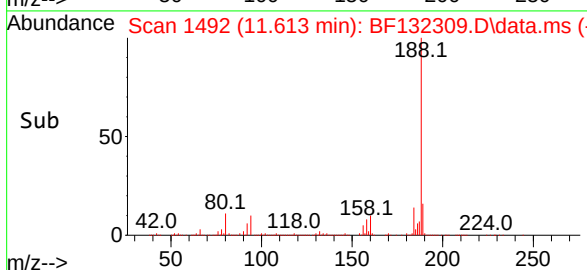
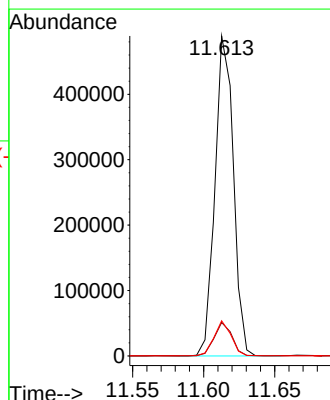
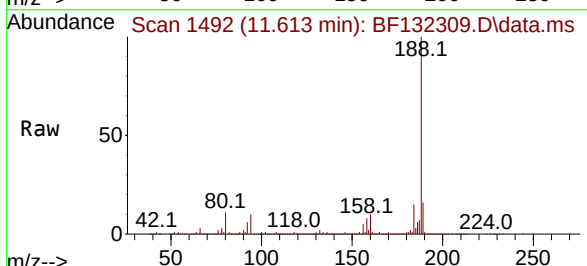
Tgt Ion: 188 Resp: 440773

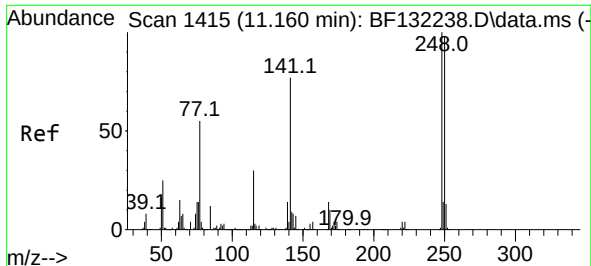
Ion Ratio Lower Upper

188 100

94 10.4 8.2 12.2

80 11.0 8.3 12.5

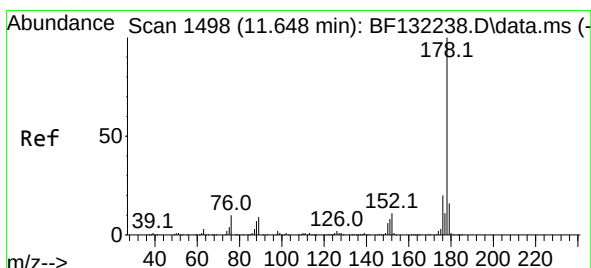
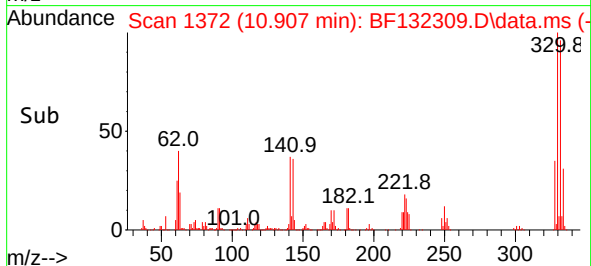
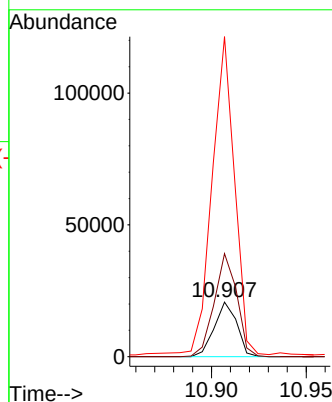
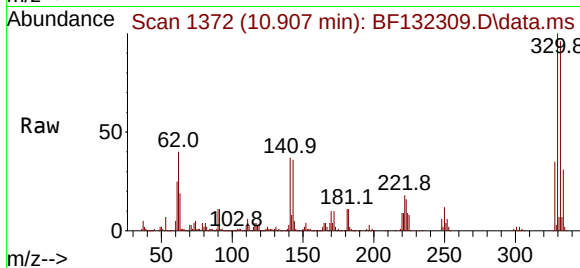




#67
4-Bromophenyl-phenylether
Concen: 3.801 ng
RT: 10.907 min Scan# 11
Delta R.T. -0.253 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

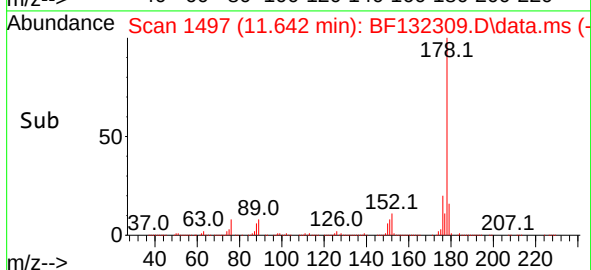
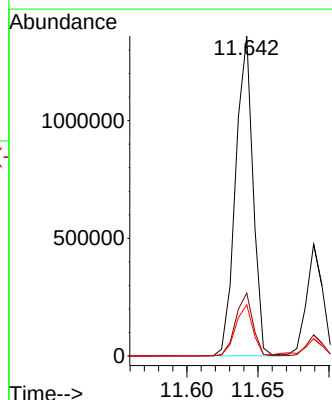
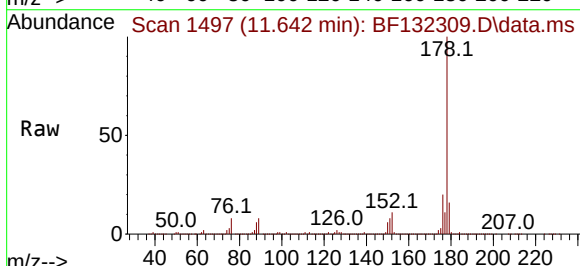
Instrument :
BNA_F
ClientSampleId :
JPP-9-013123

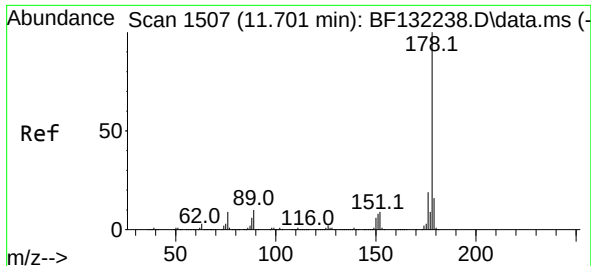
Tgt Ion:248 Resp: 17156
Ion Ratio Lower Upper
248 100
250 188.9 78.6 117.8#
141 586.6 61.6 92.4#



#71
Phenanthrene
Concen: 50.368 ng
RT: 11.642 min Scan# 1497
Delta R.T. -0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion:178 Resp: 1160120
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 16.0 12.8 19.2

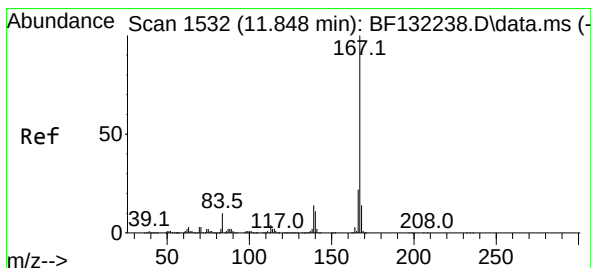
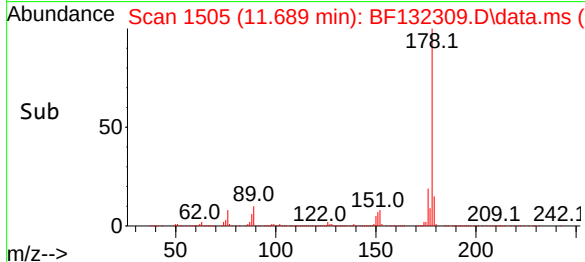
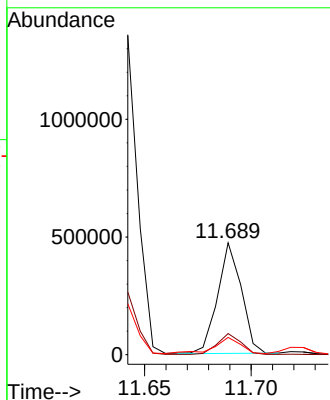
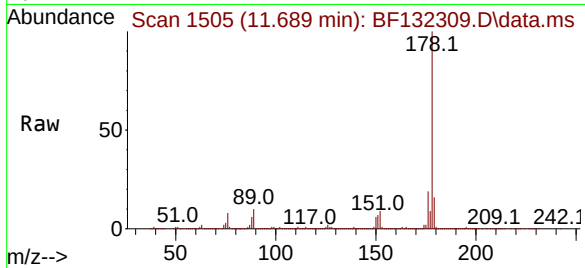




#72
 Anthracene
 Concen: 15.559 ng
 RT: 11.689 min Scan# 1505
 Delta R.T. -0.012 min
 Lab File: BF132309.D
 Acq: 03 Feb 2023 00:27

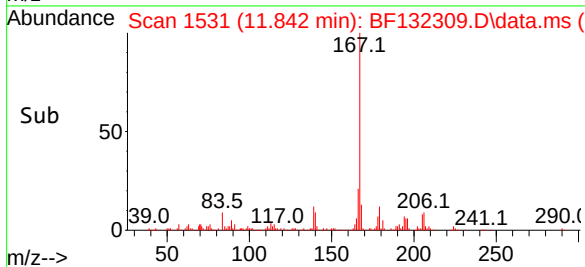
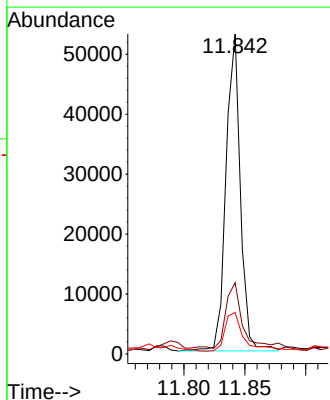
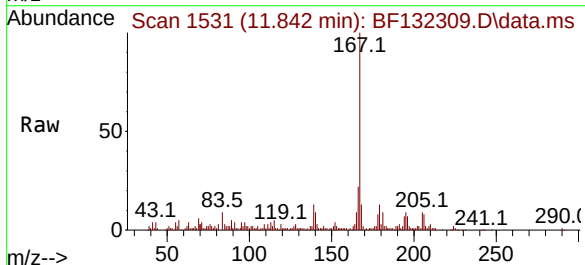
Instrument :
 BNA_F
 ClientSampleId :
 JPP-9-013123

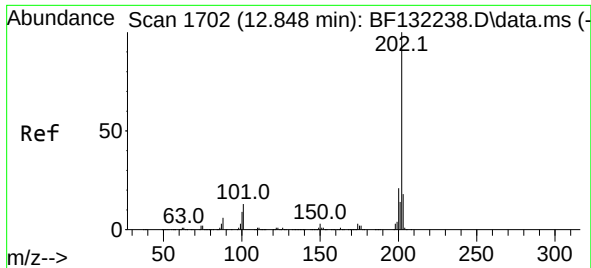
Tgt Ion:178 Resp: 364715
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 15.5 12.8 19.2



#73
 Carbazole
 Concen: 2.073 ng
 RT: 11.842 min Scan# 1531
 Delta R.T. -0.006 min
 Lab File: BF132309.D
 Acq: 03 Feb 2023 00:27

Tgt Ion:167 Resp: 43563
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.0
 139 12.9 11.4 17.2

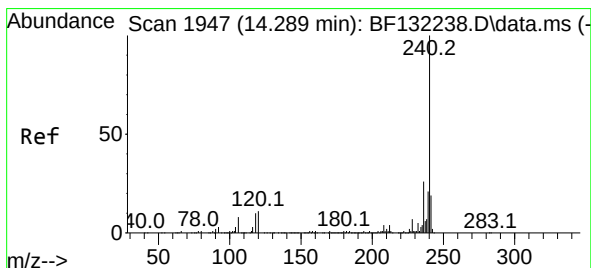
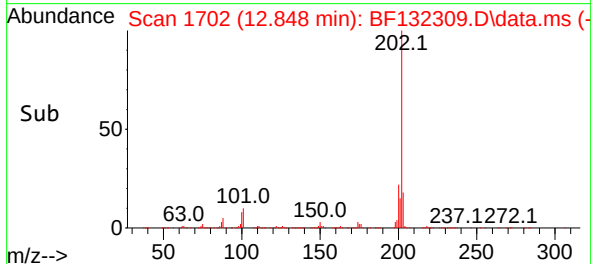
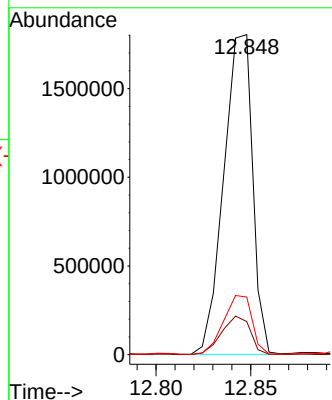
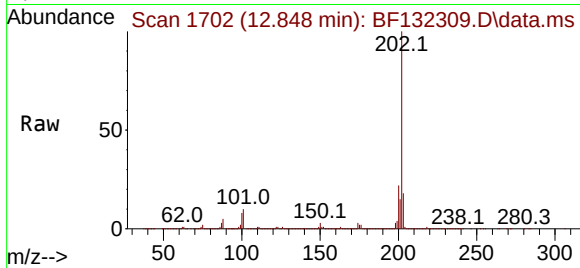




#75
Fluoranthene
Concen: 81.286 ng
RT: 12.848 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

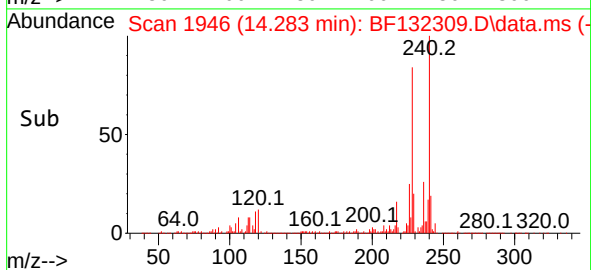
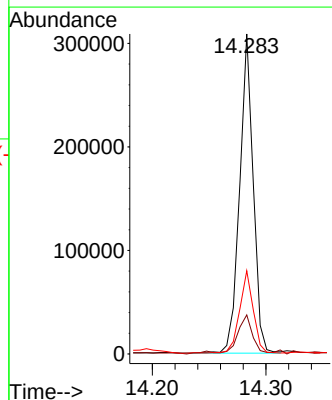
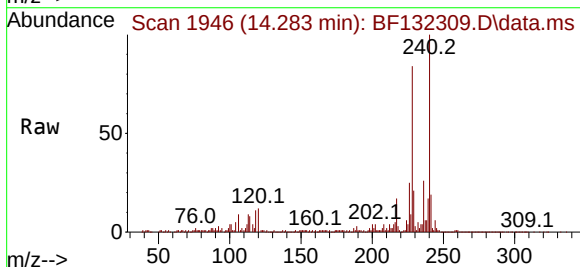
Instrument :
BNA_F
ClientSampleId :
JPP-9-013123

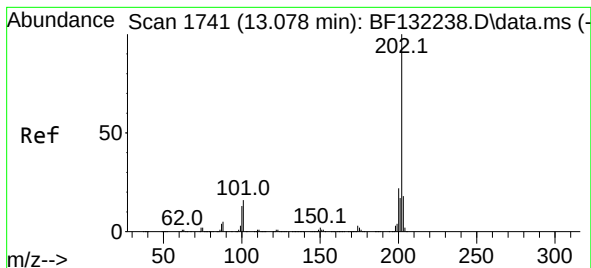
Tgt Ion:202 Resp: 1910596
Ion Ratio Lower Upper
202 100
101 10.3 0.0 32.7
203 18.0 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.283 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion:240 Resp: 254914
Ion Ratio Lower Upper
240 100
120 12.2 8.8 13.2
236 26.0 21.0 31.6





#78

Pyrene

Concen: 108.347 ng

RT: 13.077 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF132309.D

Acq: 03 Feb 2023 00:27

Instrument :

BNA_F

ClientSampleId :

JPP-9-013123

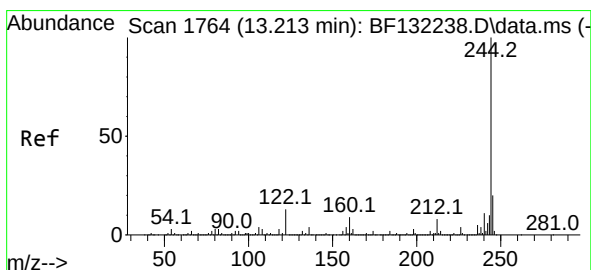
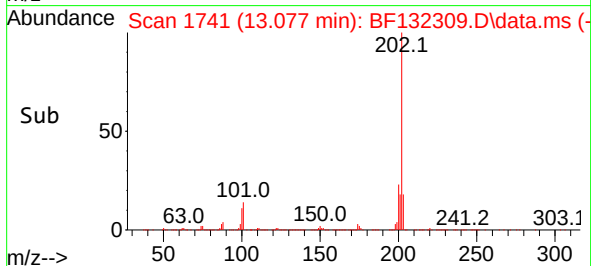
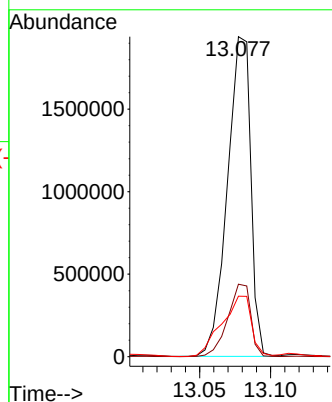
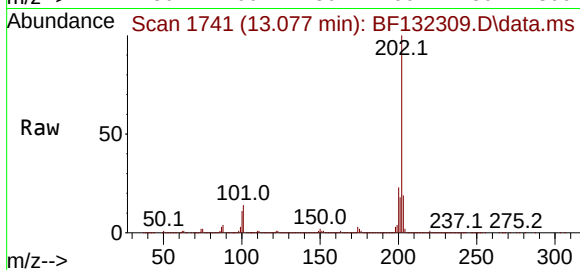
Tgt Ion:202 Resp: 2221432

Ion Ratio Lower Upper

202 100

200 22.7 17.3 25.9

203 18.9 14.4 21.6



#79

Terphenyl-d14

Concen: 79.469 ng

RT: 13.207 min Scan# 1763

Delta R.T. -0.006 min

Lab File: BF132309.D

Acq: 03 Feb 2023 00:27

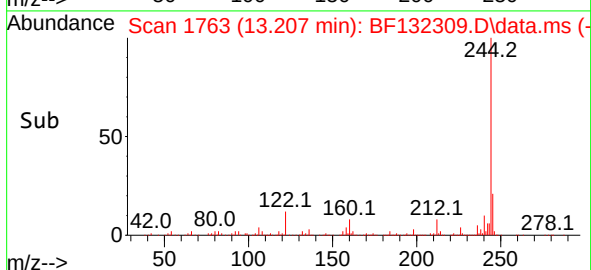
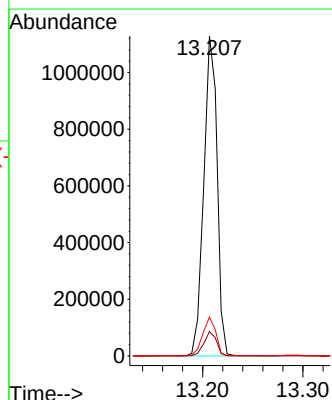
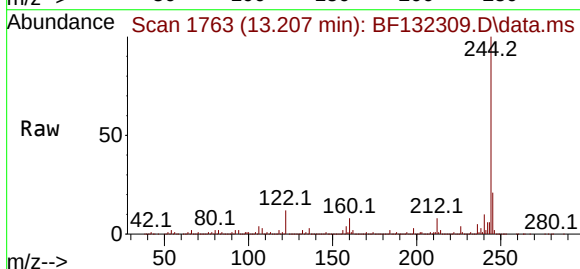
Tgt Ion:244 Resp: 1047228

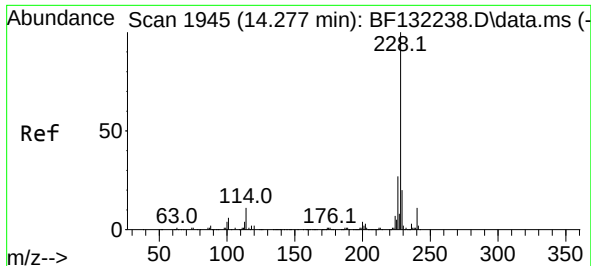
Ion Ratio Lower Upper

244 100

212 7.7 6.4 9.6

122 12.1 10.5 15.7

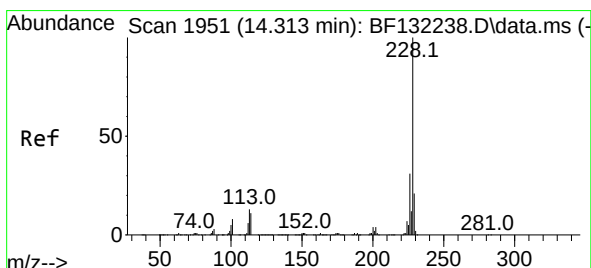
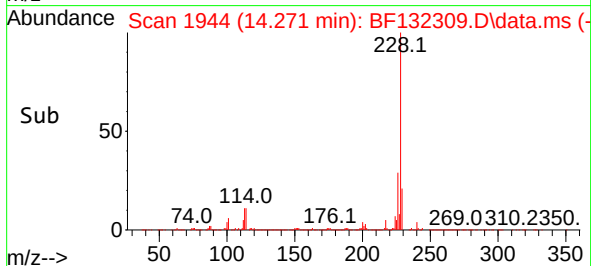
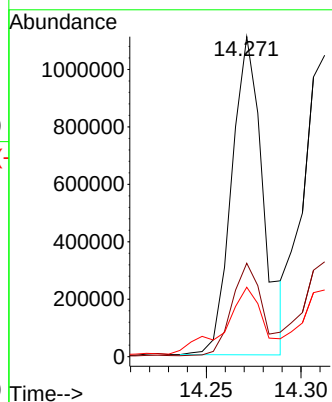
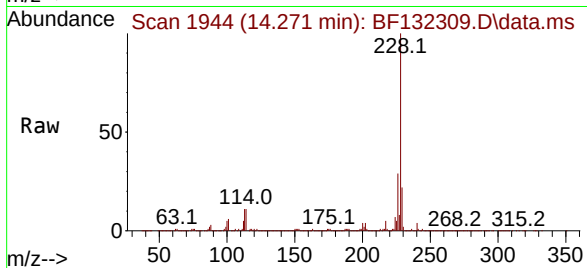




#81
Benzo(a)anthracene
Concen: 71.849 ng
RT: 14.271 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

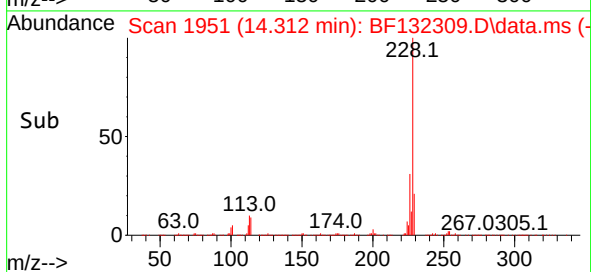
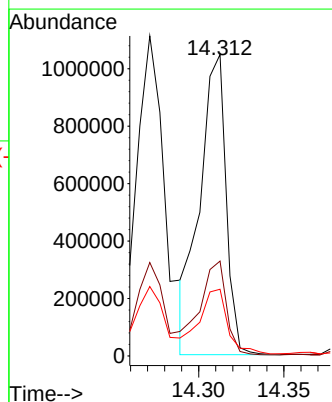
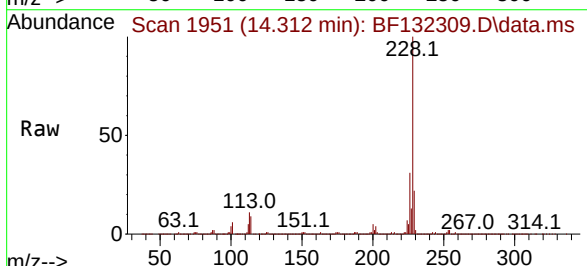
Instrument :
BNA_F
ClientSampleId :
JPP-9-013123

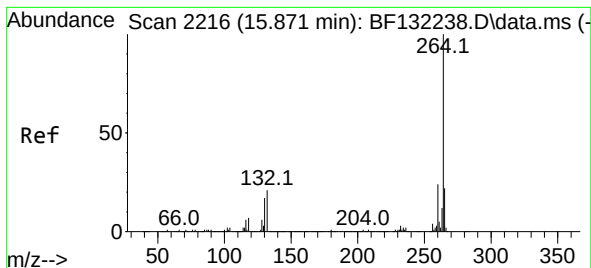
Tgt Ion:228 Resp: 1281005
Ion Ratio Lower Upper
228 100
226 29.2 22.0 33.0
229 21.7 15.8 23.6



#83
Chrysene
Concen: 67.260 ng
RT: 14.312 min Scan# 1951
Delta R.T. -0.000 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion:228 Resp: 1122894
Ion Ratio Lower Upper
228 100
226 31.5 24.9 37.3
229 22.1 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.871 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF132309.D

Acq: 03 Feb 2023 00:27

Instrument :

BNA_F

ClientSampleId :

JPP-9-013123

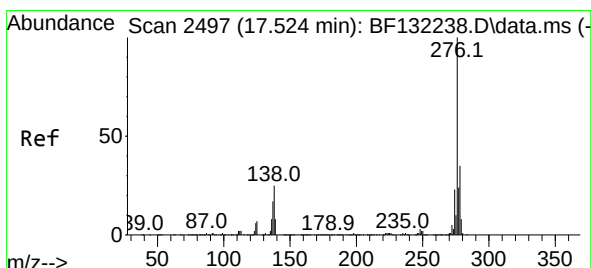
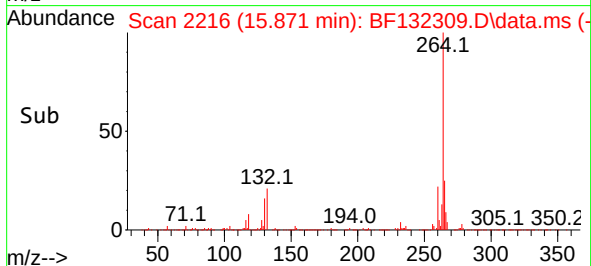
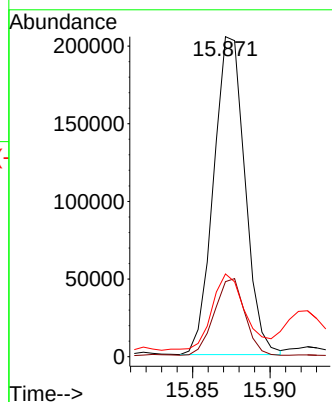
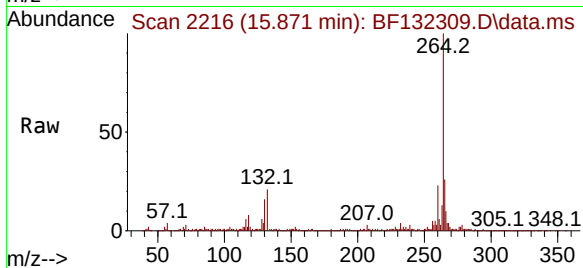
Tgt Ion:264 Resp: 288067

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.4

265 25.9 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.565 ng

RT: 17.336 min Scan# 2465

Delta R.T. -0.188 min

Lab File: BF132309.D

Acq: 03 Feb 2023 00:27

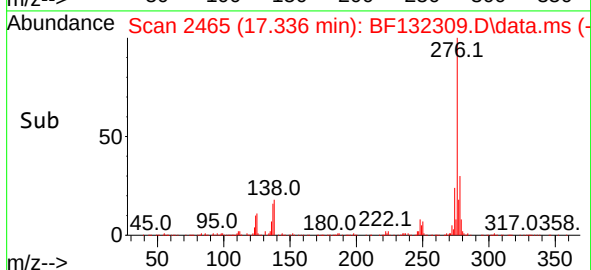
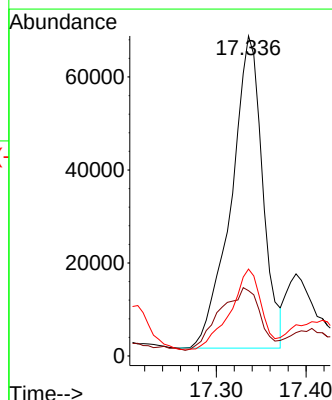
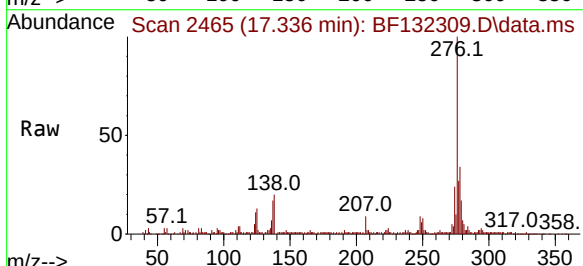
Tgt Ion:276 Resp: 163938

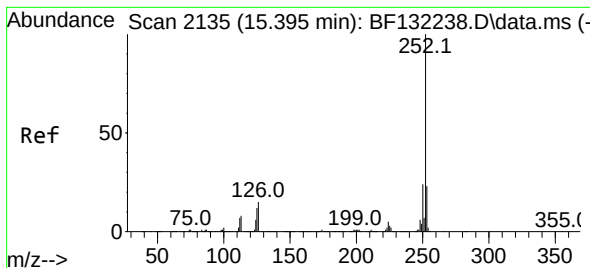
Ion Ratio Lower Upper

276 100

138 25.5 23.3 34.9

277 24.8 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 130.345 ng

RT: 15.401 min Scan# 2136

Delta R.T. 0.006 min

Lab File: BF132309.D

Acq: 03 Feb 2023 00:27

Instrument :

BNA_F

ClientSampleId :

JPP-9-013123

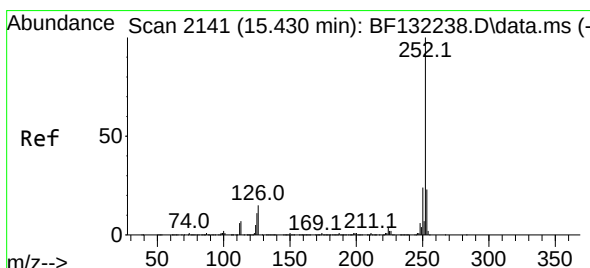
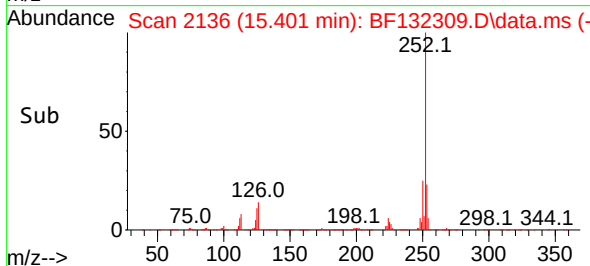
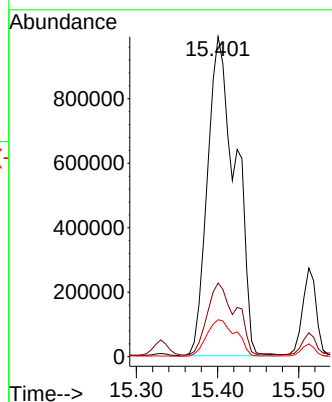
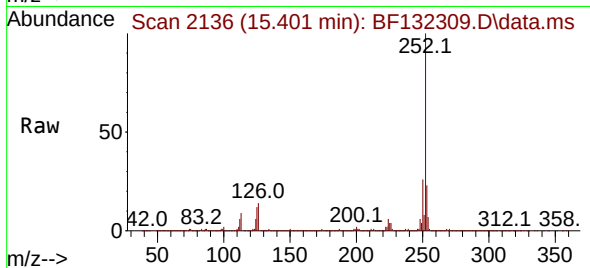
Tgt Ion:252 Resp: 2386728

Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

125 11.5 9.6 14.4



#89

Benzo(k)fluoranthene

Concen: 136.544 ng

RT: 15.401 min Scan# 2136

Delta R.T. -0.030 min

Lab File: BF132309.D

Acq: 03 Feb 2023 00:27

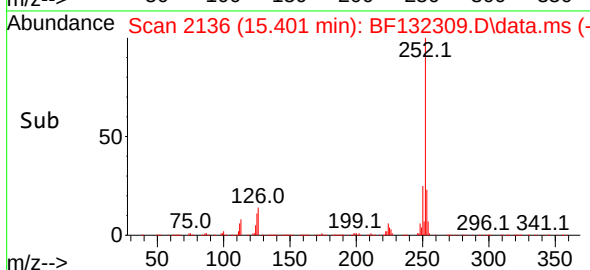
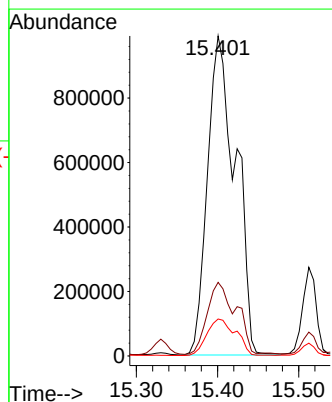
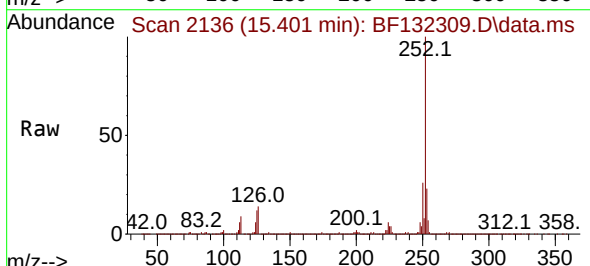
Tgt Ion:252 Resp: 2386543

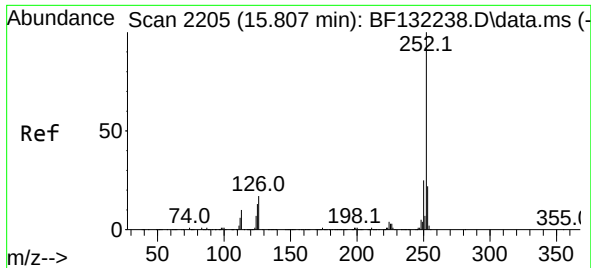
Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

125 11.5 9.0 13.6

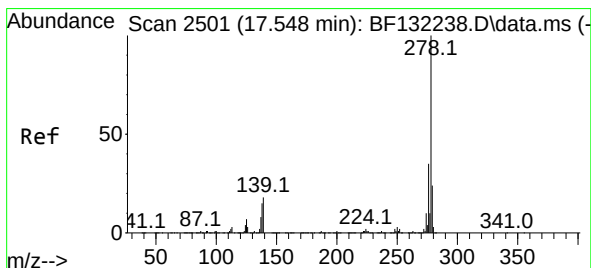
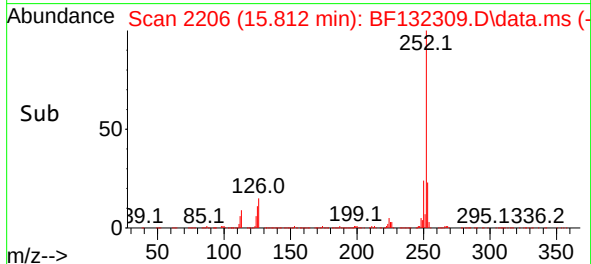
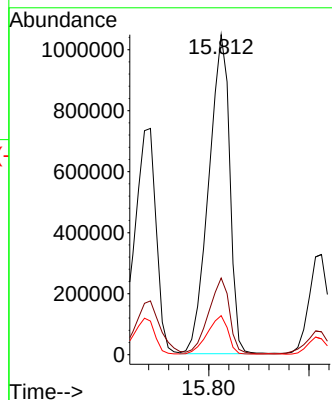
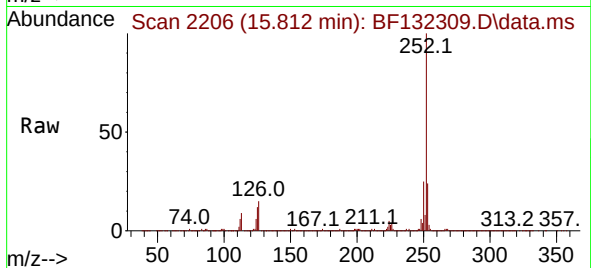




#90
Benzo(a)pyrene
Concen: 89.158 ng
RT: 15.812 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

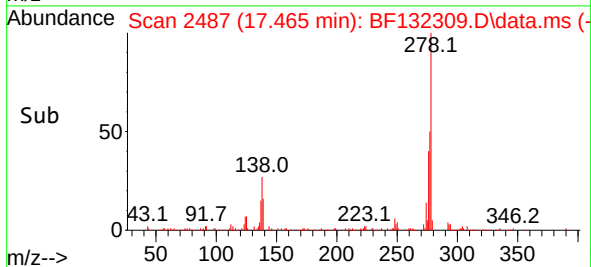
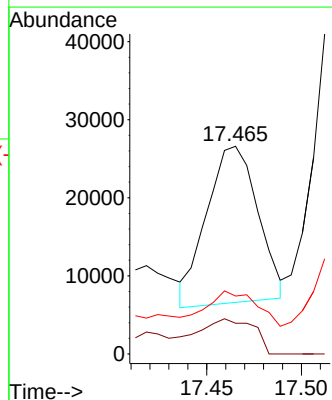
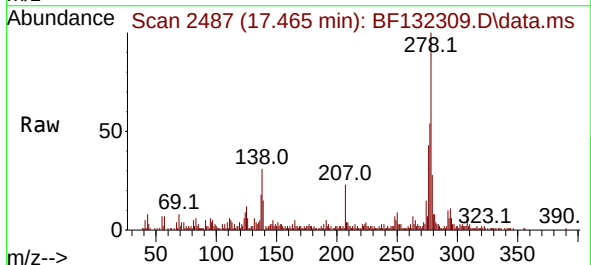
Instrument :
BNA_F
ClientSampleId :
JPP-9-013123

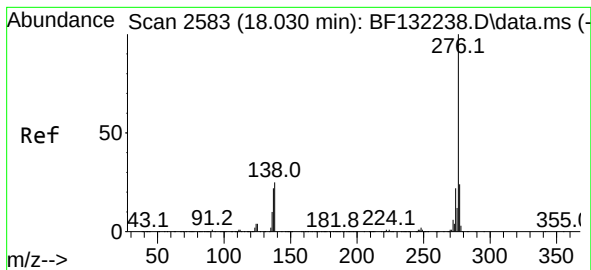
Tgt Ion:252 Resp: 1520235
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 12.2 10.2 15.4



#91
Dibenzo(a,h)anthracene
Concen: 2.456 ng
RT: 17.465 min Scan# 2487
Delta R.T. -0.083 min
Lab File: BF132309.D
Acq: 03 Feb 2023 00:27

Tgt Ion:278 Resp: 37792
Ion Ratio Lower Upper
278 100
139 14.8 14.2 21.2
279 27.9 19.6 29.4





#92
 Benzo(g,h,i)perylene
 Concen: 55.761 ng
 RT: 18.036 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF132309.D
 Acq: 03 Feb 2023 00:27

Instrument :
 BNA_F
 ClientSampleId :
 JPP-9-013123

Tgt Ion:276 Resp: 886509
 Ion Ratio Lower Upper
 276 100
 277 24.1 19.4 29.2
 138 23.7 20.3 30.5

