

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131169.D
 Acq On : 11 Nov 2022 23:46
 Operator : CG\JU
 Sample : N5556-06 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RM-6

Quant Time: Nov 12 00:38:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 12 00:03:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	61238	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	212897	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	95225	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	187180	20.000	ng	0.00
76) Chrysene-d12	14.063	240	111217	20.000	ng	0.00
86) Perylene-d12	15.557	264	106258	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	58013	16.111	ng	0.00
7) Phenol-d6	6.498	99	148193	31.478	ng	0.00
23) Nitrobenzene-d5	7.434	82	105730	22.407	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	3071	3.121	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	188260	27.598	ng	0.00
79) Terphenyl-d14	12.998	244	230742	36.376	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	15269	4.940	ng	# 76
25) Isophorone	7.434	82	105728	14.491	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	12842	8.627	ng	# 14
57) 2,4-Dinitrotoluene	9.916	165	12842	6.490	ng	# 17
71) Phenanthrene	11.433	178	37709	3.663	ng	99
72) Anthracene	11.433	178	37709	3.774	ng	99
75) Fluoranthene	12.627	202	52653	5.110	ng	99
78) Pyrene	12.857	202	52191	5.470	ng	98
81) Benzo(a)anthracene	14.051	228	16564	2.084	ng	# 89
83) Chrysene	14.086	228	17205	2.292	ng	# 92
84) Bis(2-ethylhexyl)phtha...	14.027	149	14800	4.013	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.068	276	8238	4.736	ng	# 92
88) Benzo(b)fluoranthene	15.116	252	25391	3.380	ng	# 69
89) Benzo(k)fluoranthene	15.116	252	25391	3.516	ng	# 70
90) Benzo(a)pyrene	15.492	252	13515	2.244	ng	# 71
91) Dibenzo(a,h)anthracene	17.062	278	2886	4.216	ng	# 1
92) Benzo(g,h,i)perylene	17.527	276	8744	5.430	ng	# 76

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

BNA F

ClientSampleId :

RM-6

Quant Time: Nov 12 00:38:57 2022

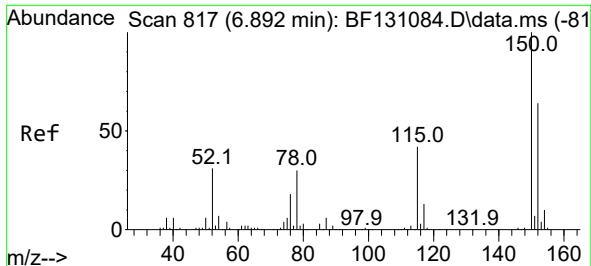
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Nov 12 00:03:31 2022

Response via : Initial Calibration

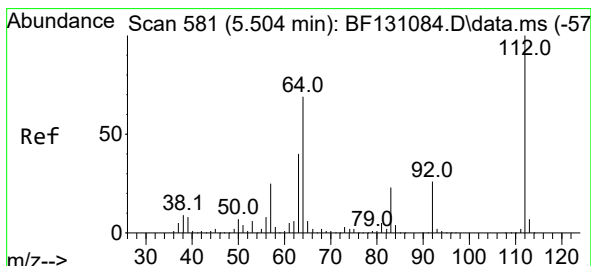
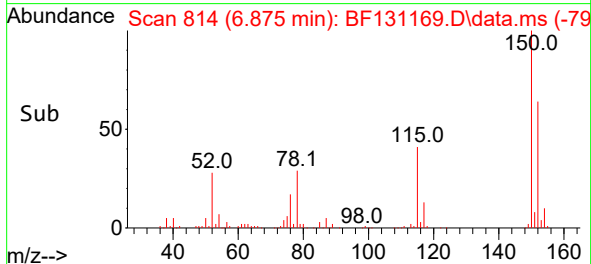
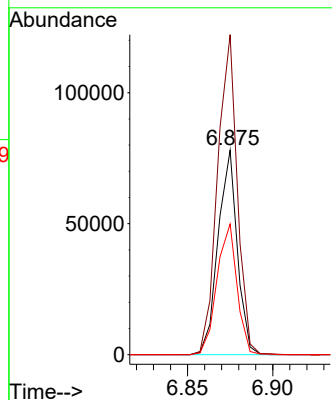
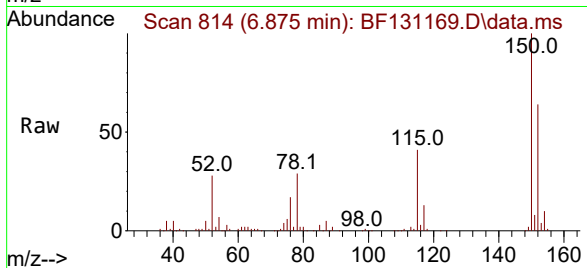




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BF131169.D
 Acq: 11 Nov 2022 23:46

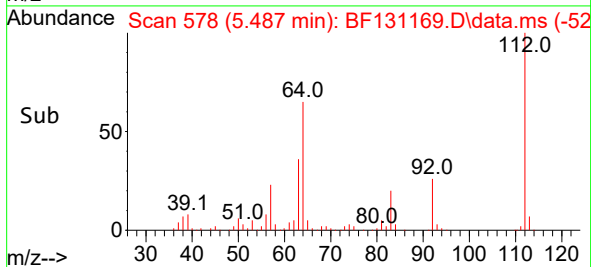
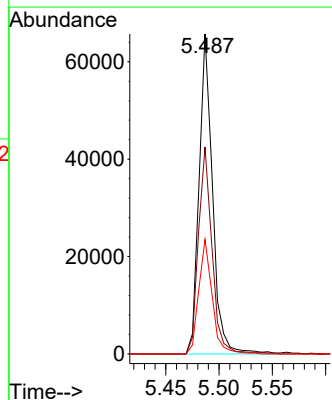
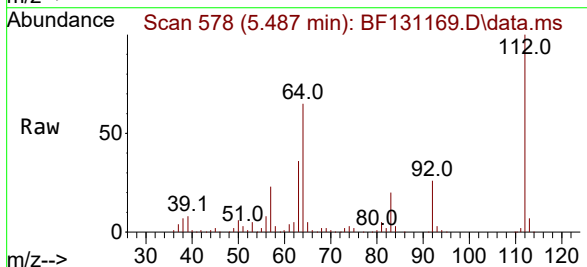
Instrument :
 BNA_F
 ClientSampleId :
 RM-6

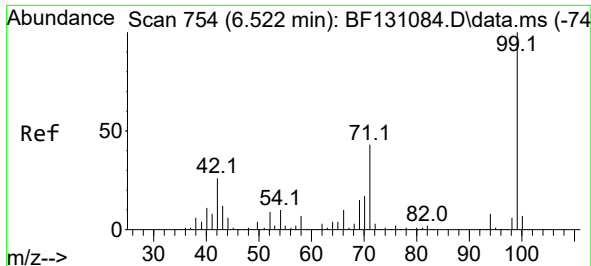
Tgt Ion:152 Resp: 61238
 Ion Ratio Lower Upper
 152 100
 150 156.5 125.5 188.3
 115 63.9 52.2 78.2



#5
 2-Fluorophenol
 Concen: 16.111 ng
 RT: 5.487 min Scan# 578
 Delta R.T. 0.000 min
 Lab File: BF131169.D
 Acq: 11 Nov 2022 23:46

Tgt Ion:112 Resp: 58013
 Ion Ratio Lower Upper
 112 100
 64 64.7 55.1 82.7
 63 35.8 32.4 48.6

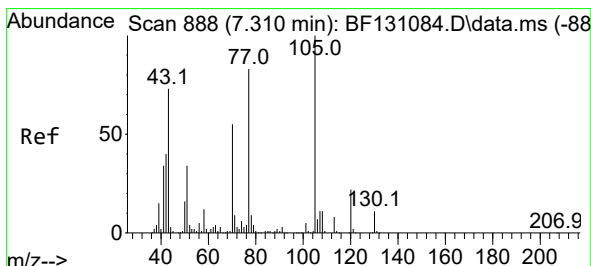
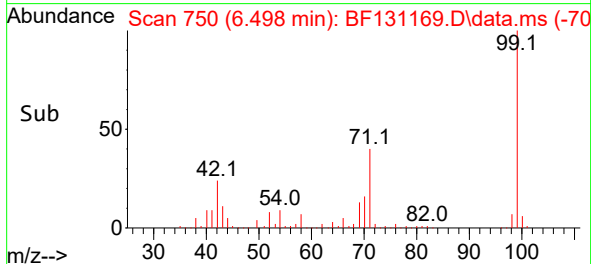
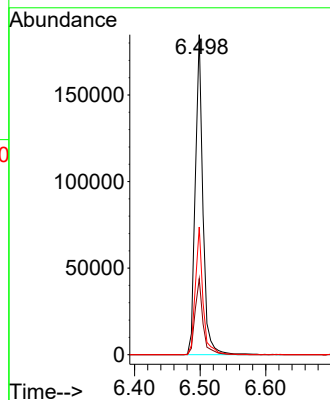
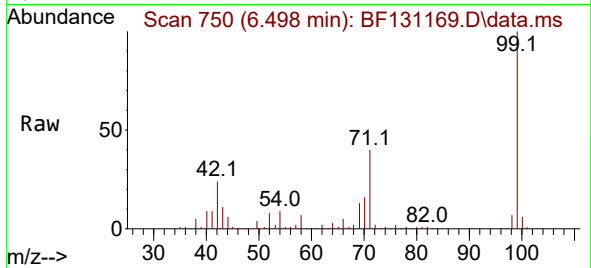




#7
Phenol-d6
Concen: 31.478 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131169.D
Acq: 11 Nov 2022 23:46

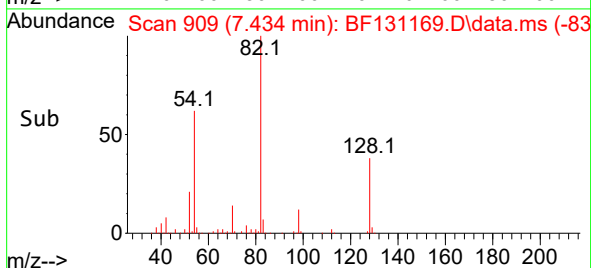
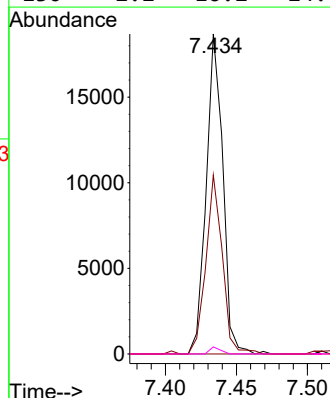
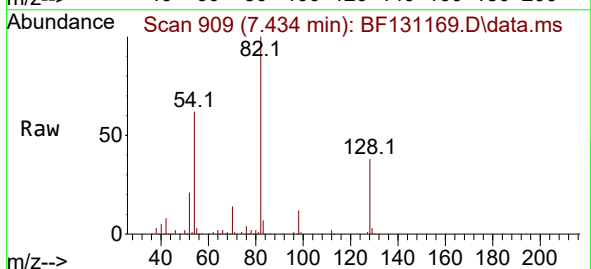
Instrument :
BNA_F
ClientSampleId :
RM-6

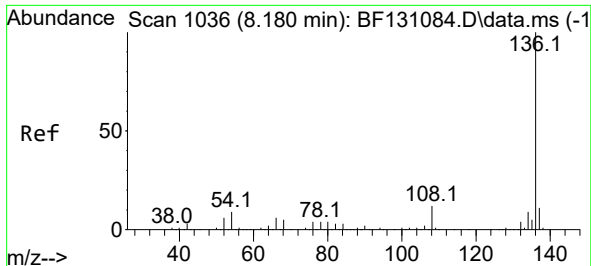
Tgt Ion: 99 Resp: 148193
Ion Ratio Lower Upper
99 100
42 23.8 20.8 31.2
71 39.9 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.940 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF131169.D
Acq: 11 Nov 2022 23:46

Tgt Ion: 70 Resp: 15269
Ion Ratio Lower Upper
70 100
42 55.9 58.3 87.5#
101 0.0 7.4 11.2#
130 2.2 16.2 24.4#



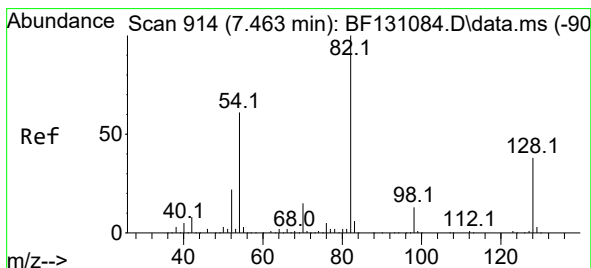
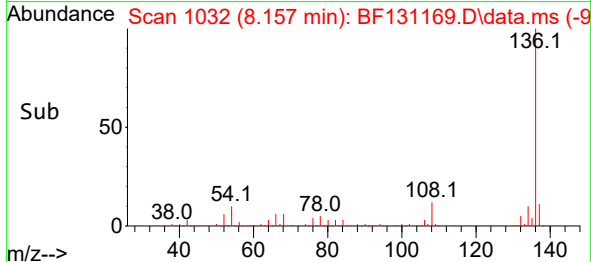
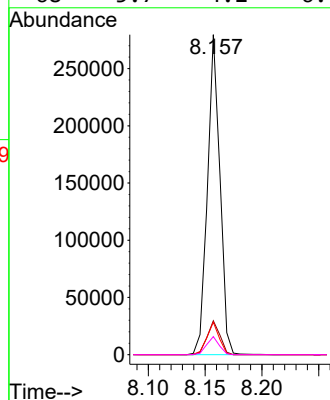
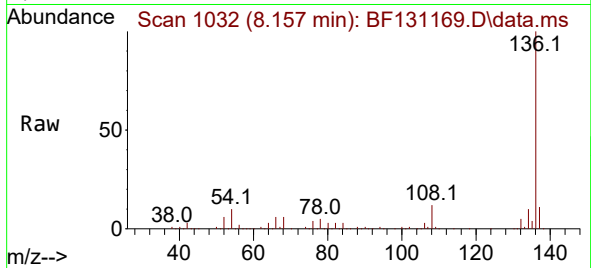


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF131169.D
Acq: 11 Nov 2022 23:46

Instrument :
BNA_F
ClientSampleId :
RM-6

Tgt Ion:136 Resp: 212897

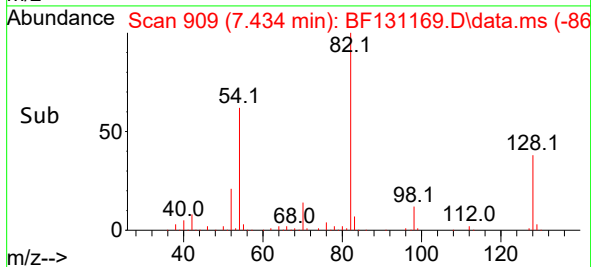
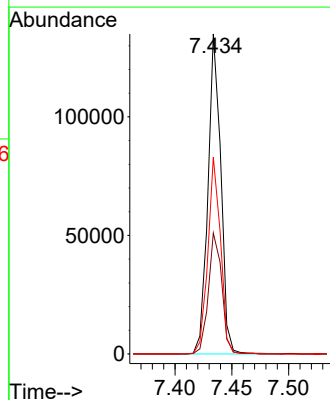
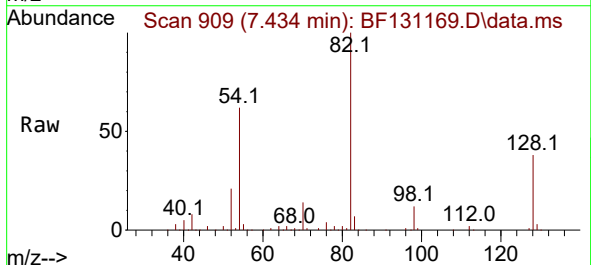
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	10.2	7.2	10.8
68	5.7	4.2	6.4

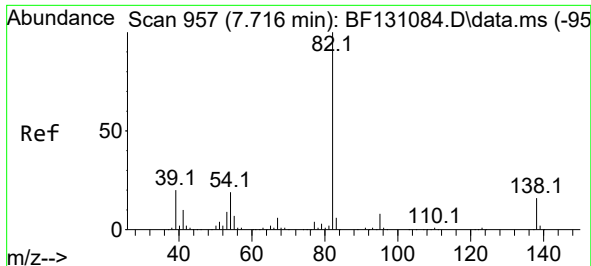


#23
Nitrobenzene-d5
Concen: 22.407 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF131169.D
Acq: 11 Nov 2022 23:46

Tgt Ion: 82 Resp: 105730

Ion	Ratio	Lower	Upper
82	100		
128	37.8	30.5	45.7
54	61.5	49.1	73.7

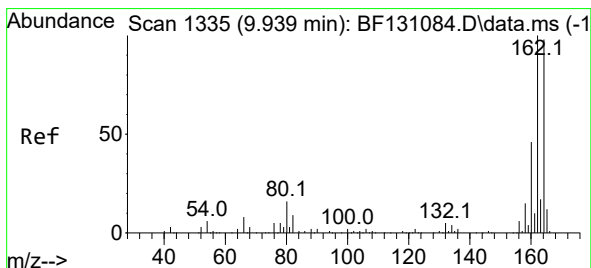
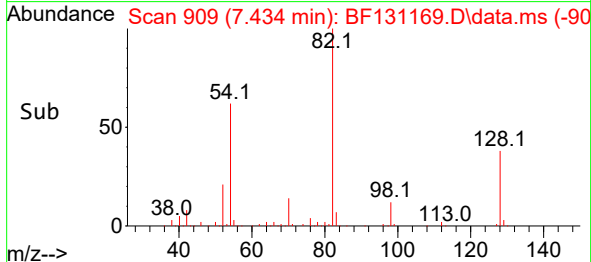
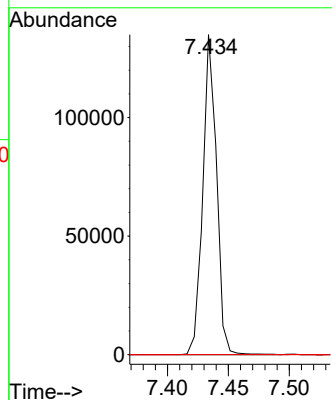
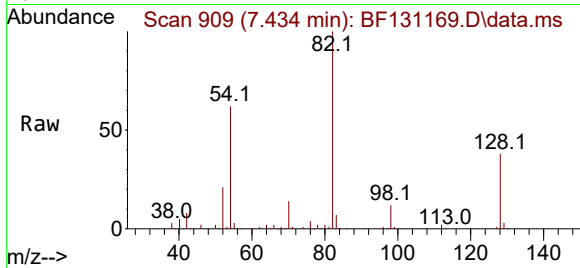




#25
Isophorone
Concen: 14.491 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF131169.D
Acq: 11 Nov 2022 23:46

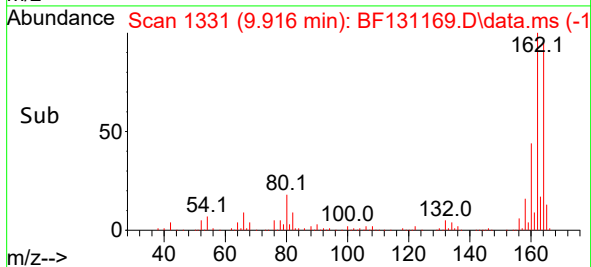
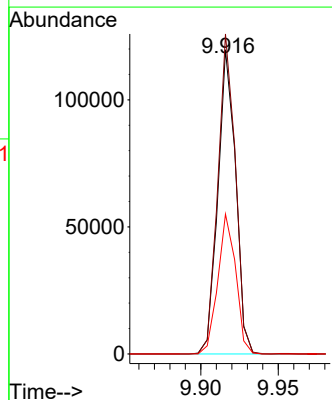
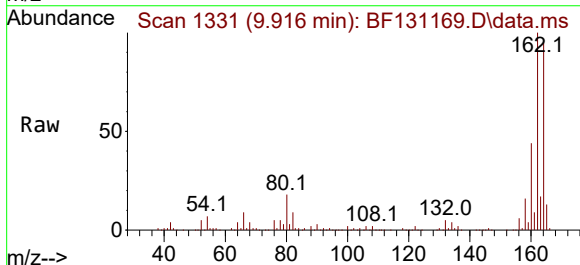
Instrument :
BNA_F
ClientSampleId :
RM-6

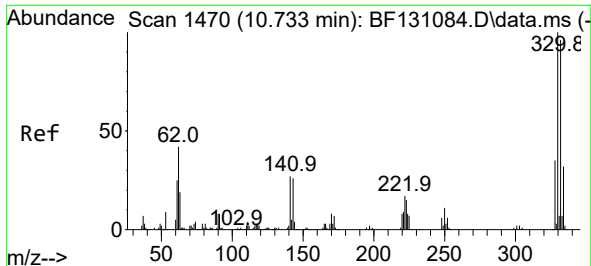
Tgt Ion: 82 Resp: 105728
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF131169.D
Acq: 11 Nov 2022 23:46

Tgt Ion:164 Resp: 95225
Ion Ratio Lower Upper
164 100
162 105.2 81.7 122.5
160 46.0 37.4 56.2





#42

2,4,6-Tribromophenol

Concen: 3.121 ng

RT: 10.710 min Scan# 1466

Delta R.T. 0.000 min

Lab File: BF131169.D

Acq: 11 Nov 2022 23:46

Instrument :

BNA_F

ClientSampleId :

RM-6

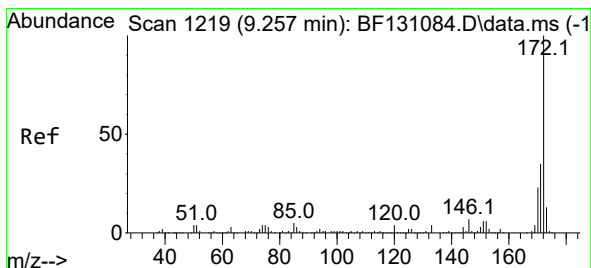
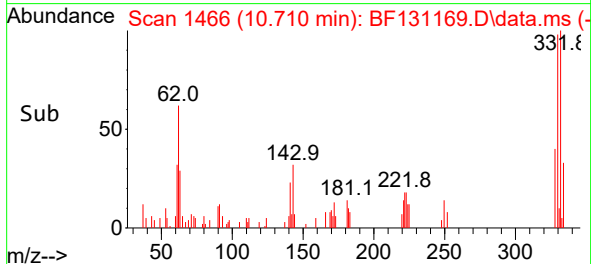
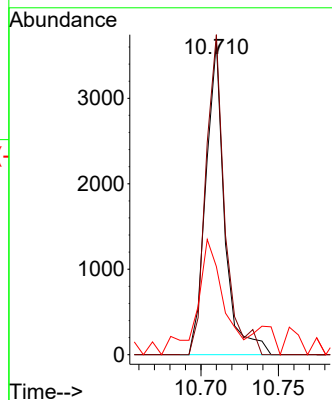
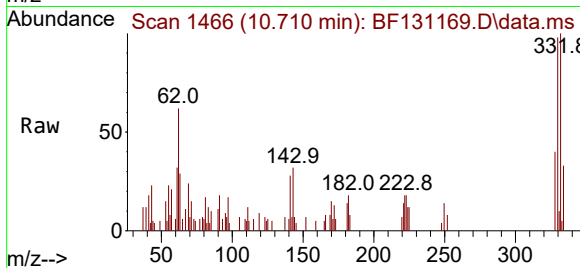
Tgt Ion:330 Resp: 3071

Ion Ratio Lower Upper

330 100

332 103.4 77.0 115.4

141 53.2 28.5 42.7#



#45

2-Fluorobiphenyl

Concen: 27.598 ng

RT: 9.234 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF131169.D

Acq: 11 Nov 2022 23:46

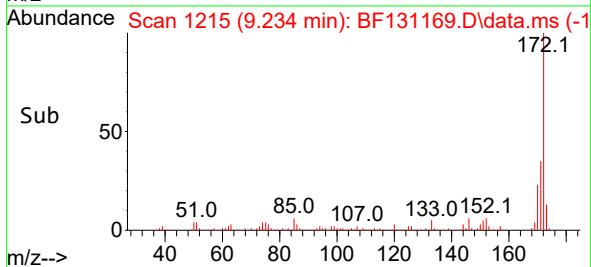
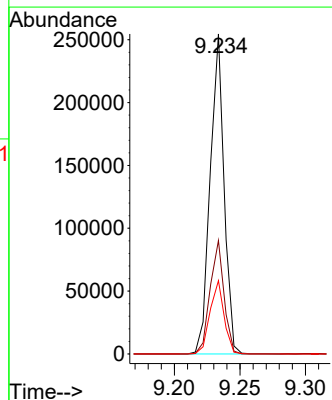
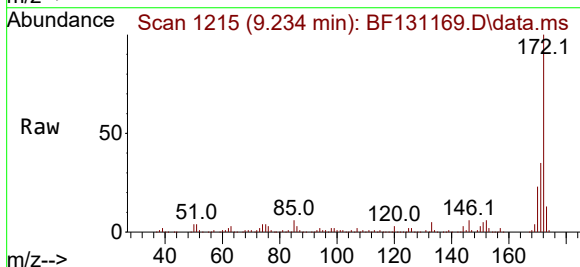
Tgt Ion:172 Resp: 188260

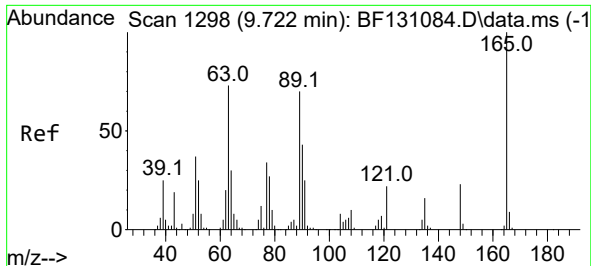
Ion Ratio Lower Upper

172 100

171 35.4 27.7 41.5

170 22.9 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.627 ng

RT: 9.916 min Scan# 1331

Delta R.T. 0.212 min

Lab File: BF131169.D

Acq: 11 Nov 2022 23:46

Instrument :

BNA_F

ClientSampleId :

RM-6

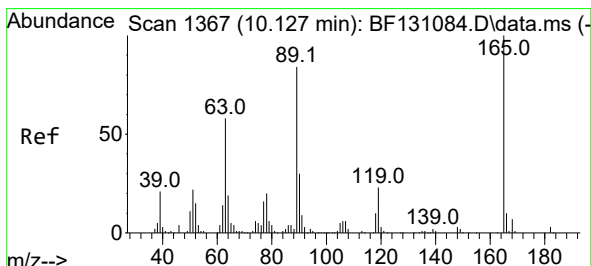
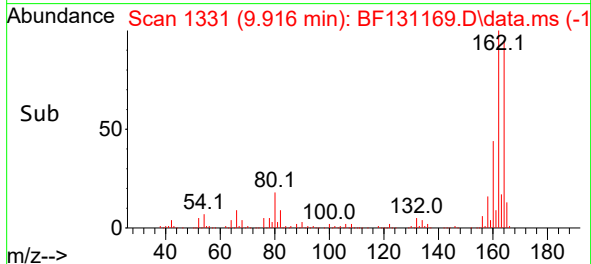
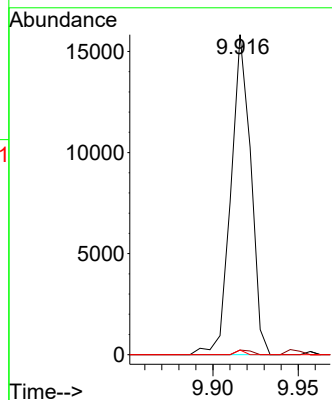
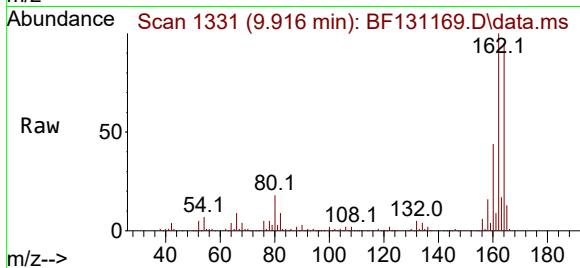
Tgt Ion:165 Resp: 12842

Ion Ratio Lower Upper

165 100

63 1.5 61.4 92.2#

89 1.5 56.0 84.0#



#57

2,4-Dinitrotoluene

Concen: 6.490 ng

RT: 9.916 min Scan# 1331

Delta R.T. -0.194 min

Lab File: BF131169.D

Acq: 11 Nov 2022 23:46

Tgt Ion:165 Resp: 12842

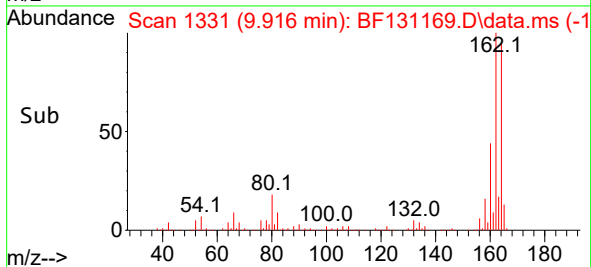
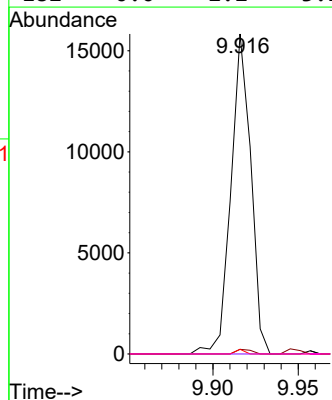
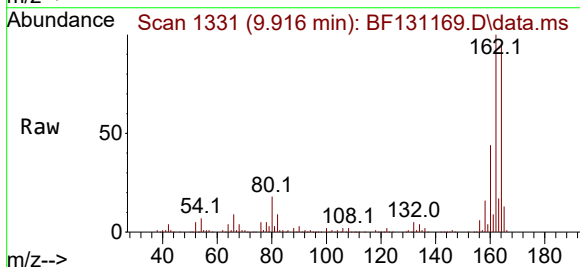
Ion Ratio Lower Upper

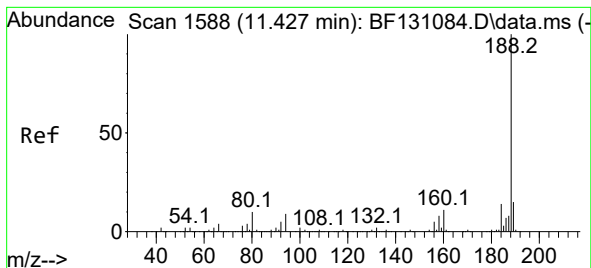
165 100

63 1.5 46.9 70.3#

89 1.5 66.9 100.3#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF131169.D

Acq: 11 Nov 2022 23:46

Instrument :

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RM-6

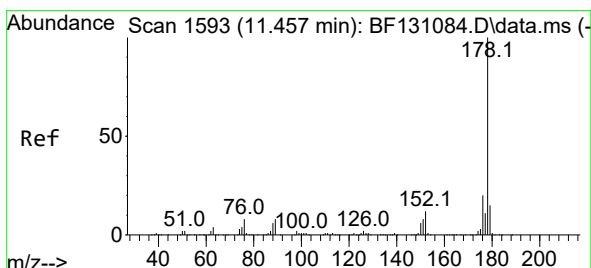
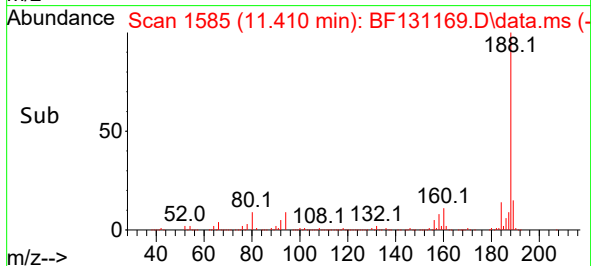
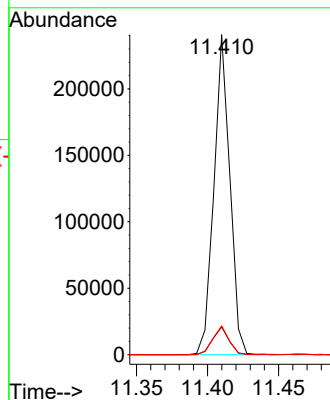
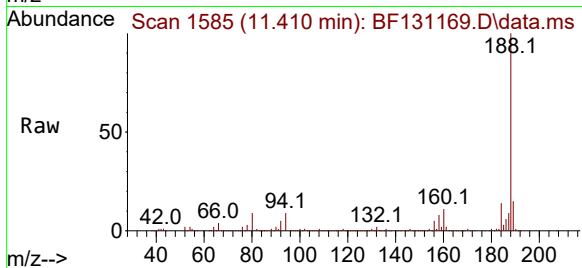
Tgt Ion:188 Resp: 187180

Ion Ratio Lower Upper

188 100

94 8.7 7.0 10.6

80 9.0 7.9 11.9



#71

Phenanthrene

Concen: 3.663 ng

RT: 11.433 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF131169.D

Acq: 11 Nov 2022 23:46

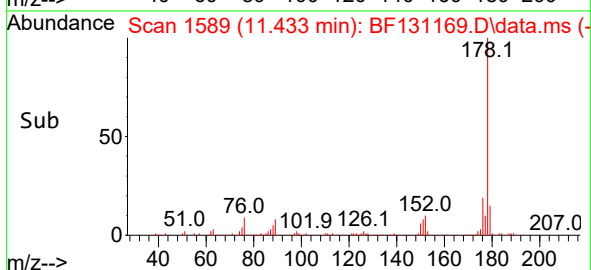
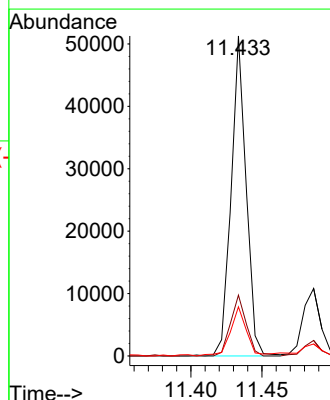
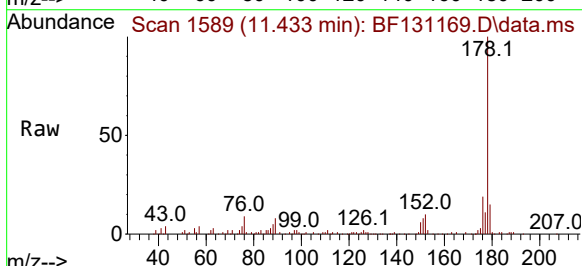
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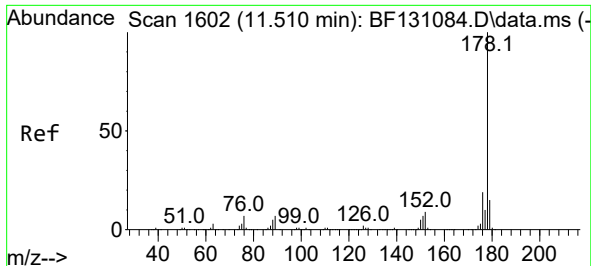
Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

179 15.4 12.2 18.2

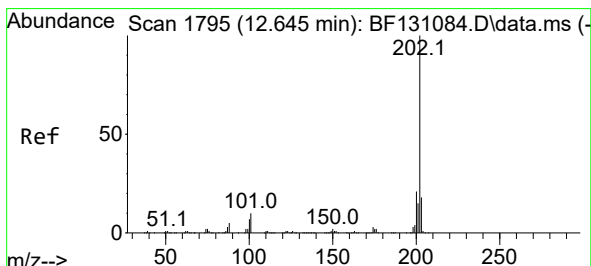
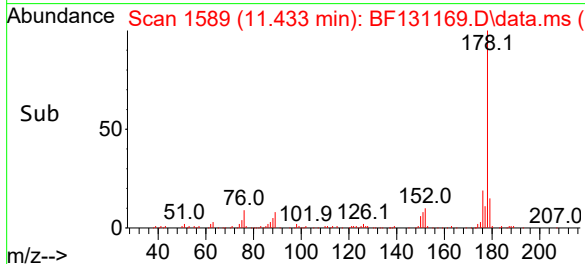
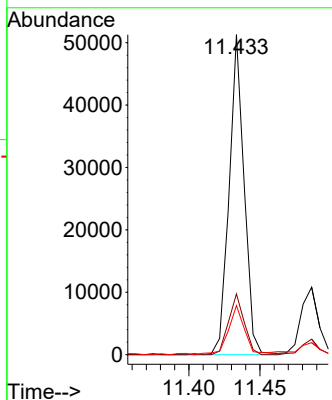
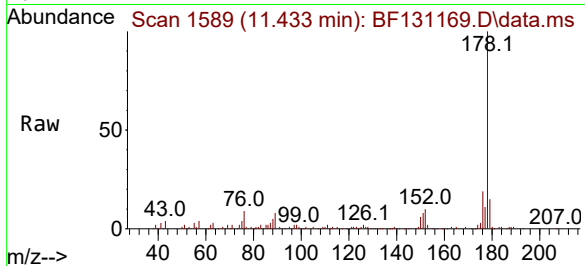




#72
 Anthracene
 Concen: 3.774 ng
 RT: 11.433 min Scan# 11
 Delta R.T. -0.053 min
 Lab File: BF131169.D
 Acq: 11 Nov 2022 23:46

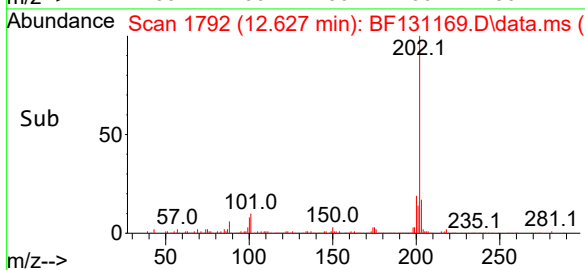
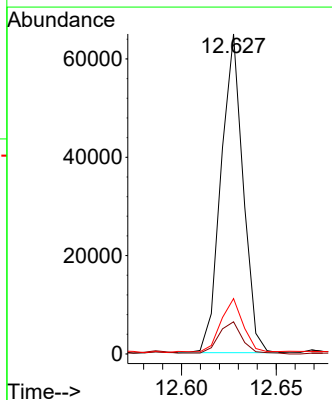
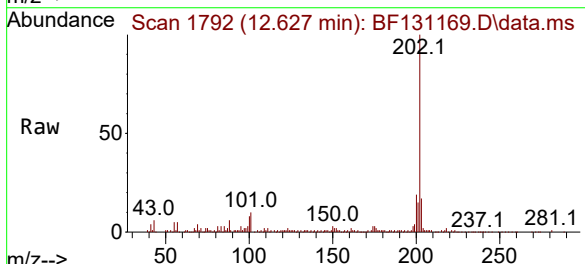
Instrument :
 BNA_F
 ClientSampleId :
 RM-6

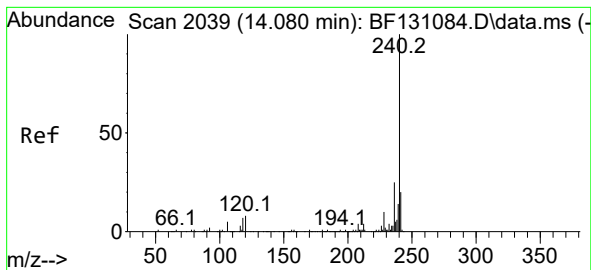
Tgt Ion:178 Resp: 37709
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.0 22.6
 179 15.4 11.8 17.8



#75
 Fluoranthene
 Concen: 5.110 ng
 RT: 12.627 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: BF131169.D
 Acq: 11 Nov 2022 23:46

Tgt Ion:202 Resp: 52653
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 30.0
 203 17.3 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2036

Delta R.T. 0.006 min

Lab File: BF131169.D

Acq: 11 Nov 2022 23:46

Instrument :

BNA_F

ClientSampleId :

RM-6

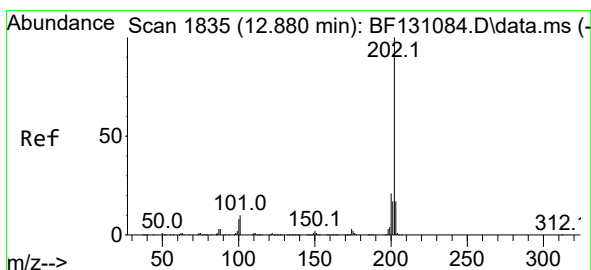
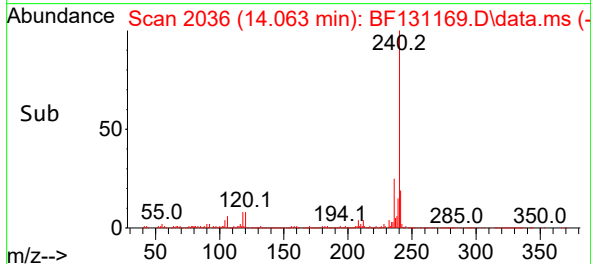
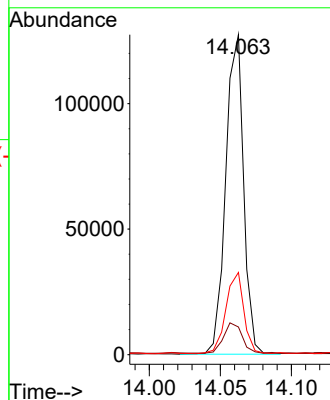
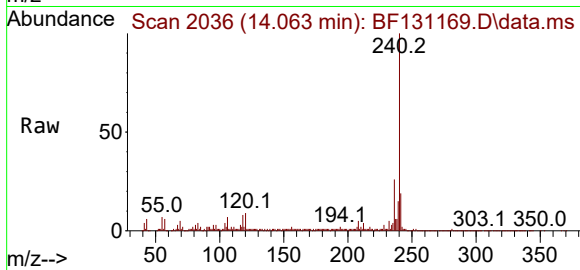
Tgt Ion:240 Resp: 111217

Ion Ratio Lower Upper

240 100

120 8.7 6.5 9.7

236 25.7 19.7 29.5



#78

Pyrene

Concen: 5.470 ng

RT: 12.857 min Scan# 1831

Delta R.T. 0.000 min

Lab File: BF131169.D

Acq: 11 Nov 2022 23:46

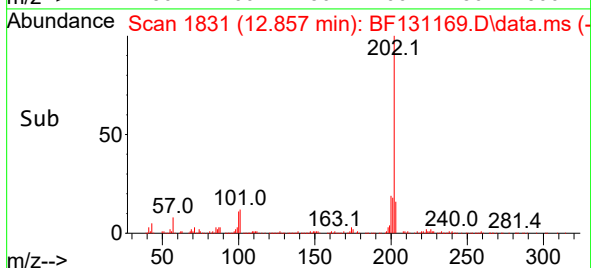
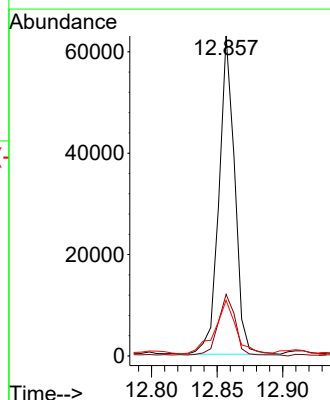
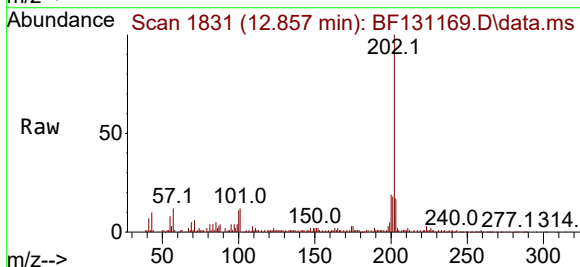
Tgt Ion:202 Resp: 52191

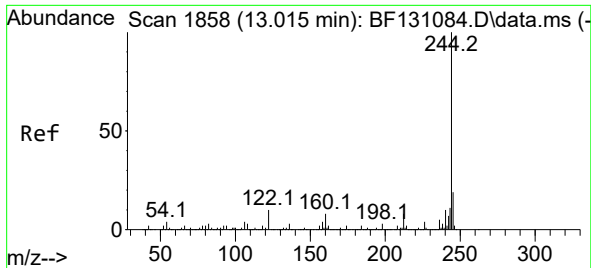
Ion Ratio Lower Upper

202 100

200 19.3 16.8 25.2

203 17.4 13.6 20.4

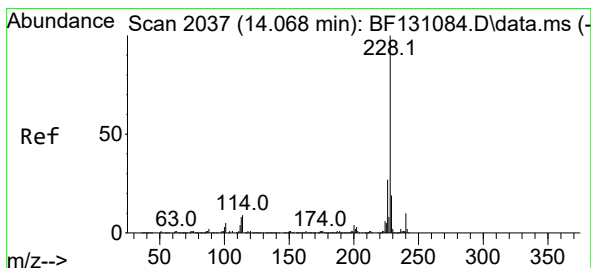
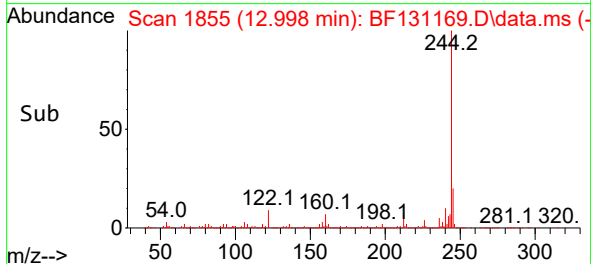
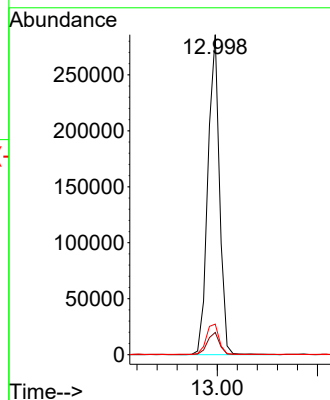
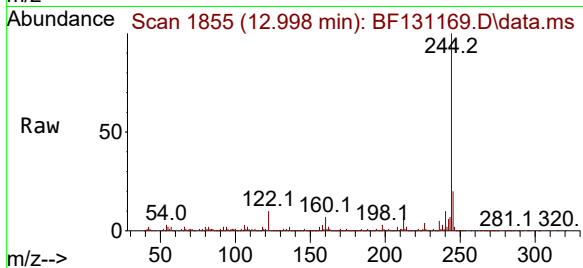




#79
 Terphenyl-d14
 Concen: 36.376 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. 0.000 min
 Lab File: BF131169.D
 Acq: 11 Nov 2022 23:46

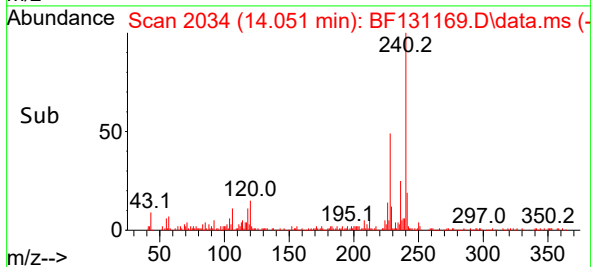
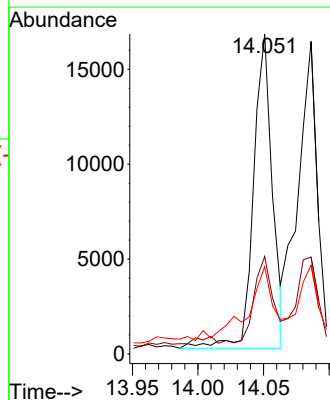
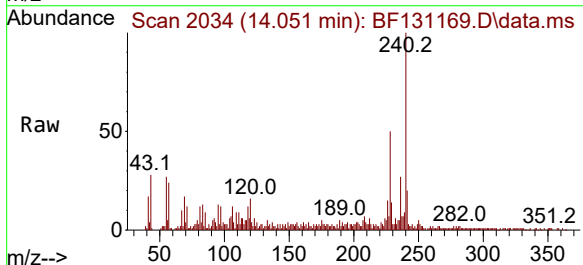
Instrument :
 BNA_F
 ClientSampleId :
 RM-6

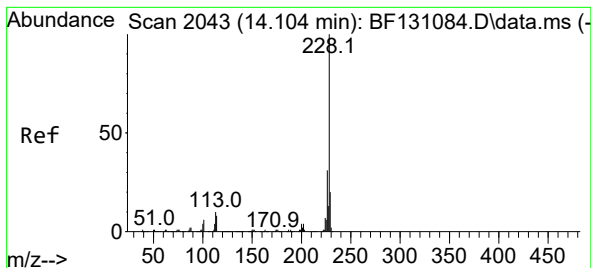
Tgt Ion:244 Resp: 230742
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.2 9.2
 122 9.6 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 2.084 ng
 RT: 14.051 min Scan# 2034
 Delta R.T. 0.006 min
 Lab File: BF131169.D
 Acq: 11 Nov 2022 23:46

Tgt Ion:228 Resp: 16564
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.8 32.6
 229 27.3 15.4 23.2#





#83

Chrysene

Concen: 2.292 ng

RT: 14.086 min Scan# 2043

Delta R.T. 0.000 min

Lab File: BF131169.D

Acq: 11 Nov 2022 23:46

Instrument :

BNA_F

ClientSampleId :

RM-6

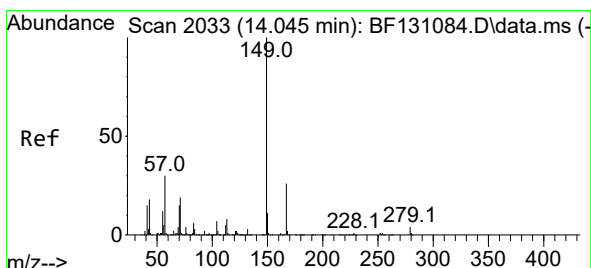
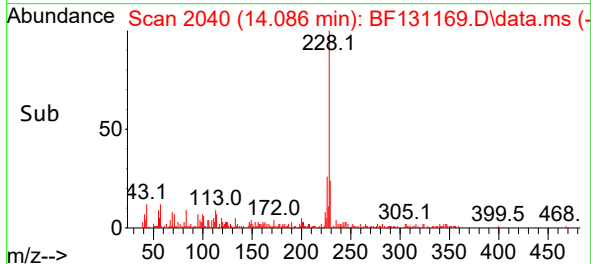
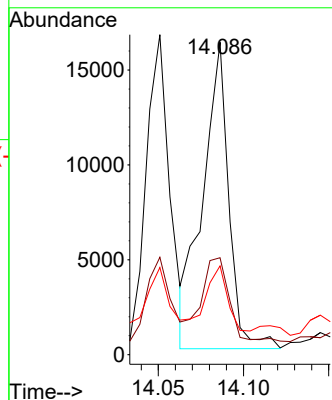
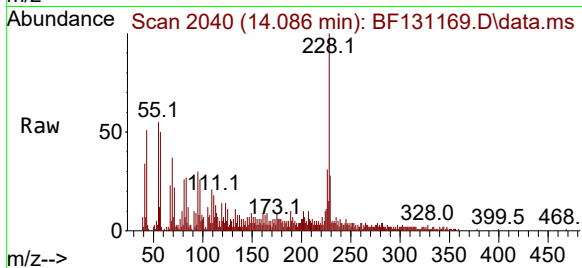
Tgt Ion:228 Resp: 17205

Ion Ratio Lower Upper

228 100

226 31.0 24.4 36.6

229 28.4 15.8 23.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.013 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF131169.D

Acq: 11 Nov 2022 23:46

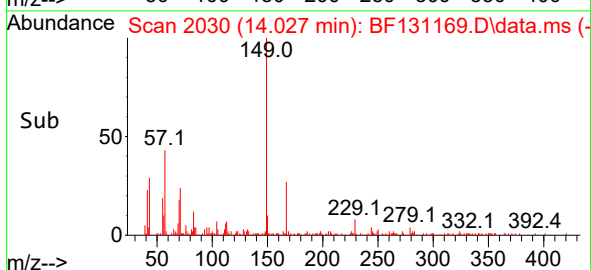
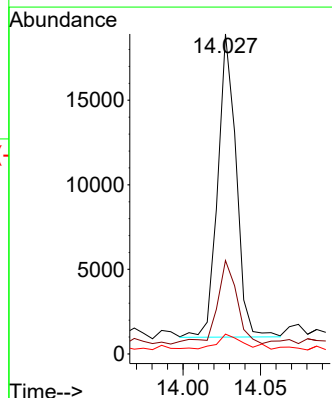
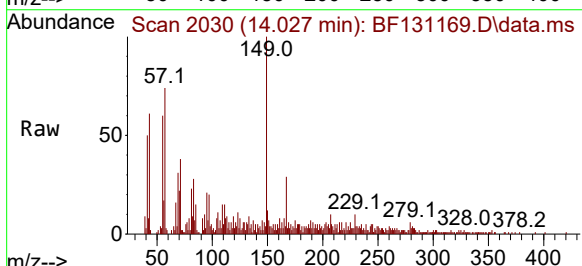
Tgt Ion:149 Resp: 14800

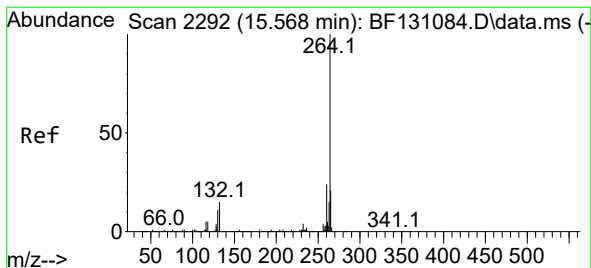
Ion Ratio Lower Upper

149 100

167 29.2 20.8 31.2

279 6.2 3.4 5.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF131169.D

Acq: 11 Nov 2022 23:46

Instrument :

BNA_F

ClientSampleId :

RM-6

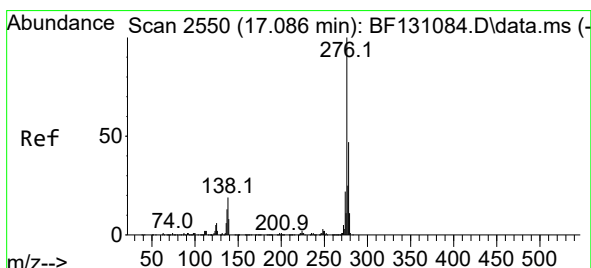
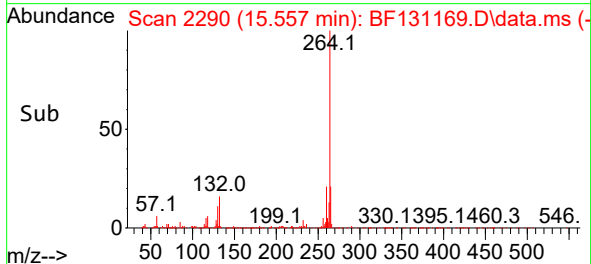
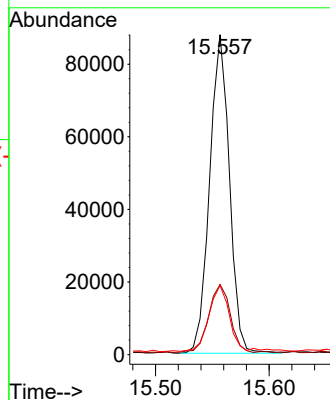
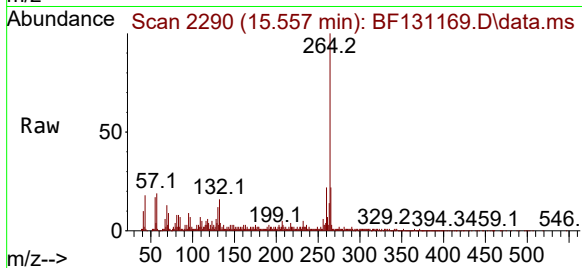
Tgt Ion:264 Resp: 106258

Ion Ratio Lower Upper

264 100

260 21.9 19.1 28.7

265 21.7 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.736 ng

RT: 17.068 min Scan# 2547

Delta R.T. 0.012 min

Lab File: BF131169.D

Acq: 11 Nov 2022 23:46

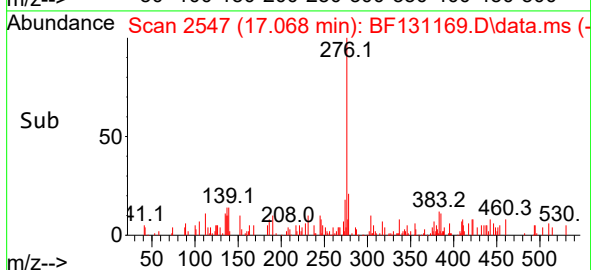
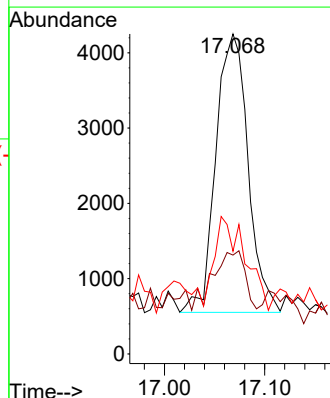
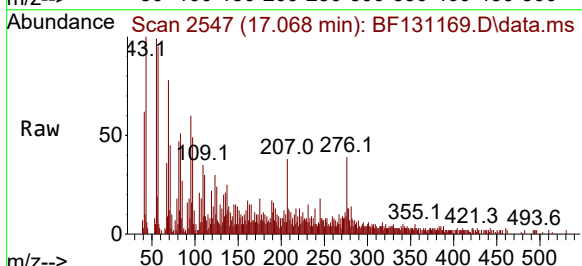
Tgt Ion:276 Resp: 8238

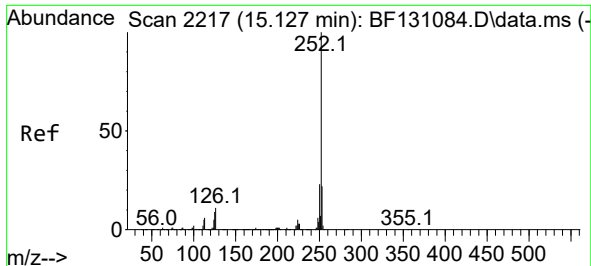
Ion Ratio Lower Upper

276 100

138 22.0 16.9 25.3

277 32.2 20.3 30.5#

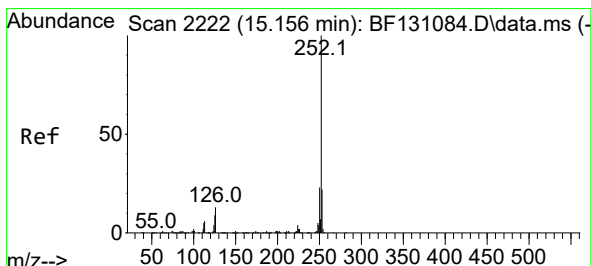
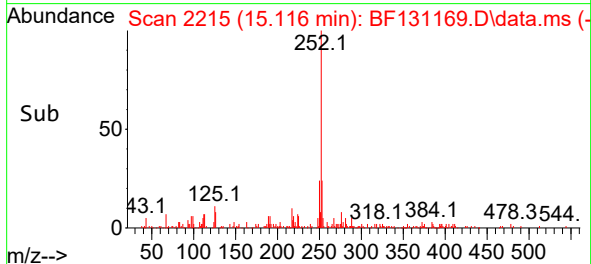
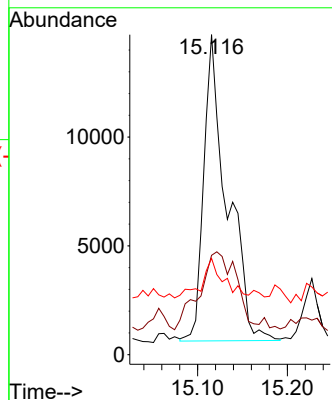
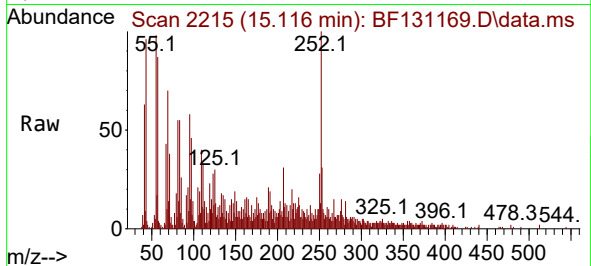




#88
Benzo(b)fluoranthene
Concen: 3.380 ng
RT: 15.116 min Scan# 2215
Delta R.T. 0.012 min
Lab File: BF131169.D
Acq: 11 Nov 2022 23:46

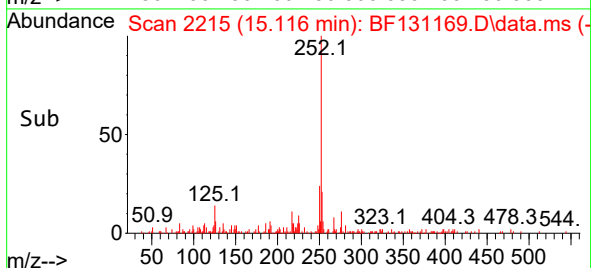
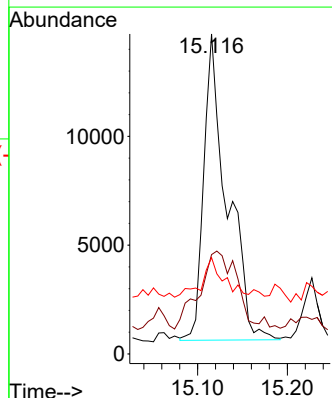
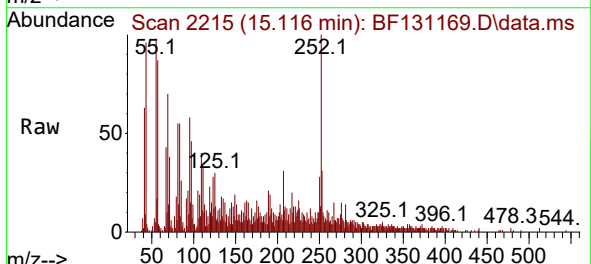
Instrument :
BNA_F
ClientSampleId :
RM-6

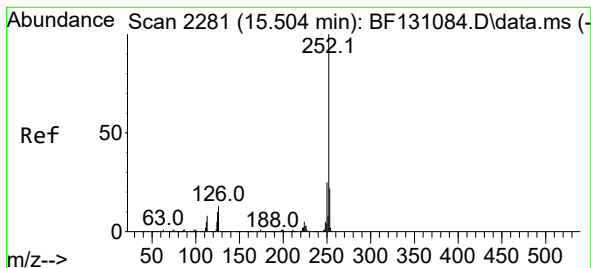
Tgt Ion:252 Resp: 25391
Ion Ratio Lower Upper
252 100
253 31.0 17.3 25.9#
125 30.1 7.2 10.8#



#89
Benzo(k)fluoranthene
Concen: 3.516 ng
RT: 15.116 min Scan# 2215
Delta R.T. -0.024 min
Lab File: BF131169.D
Acq: 11 Nov 2022 23:46

Tgt Ion:252 Resp: 25391
Ion Ratio Lower Upper
252 100
253 31.0 17.6 26.4#
125 30.1 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 2.244 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF131169.D

Acq: 11 Nov 2022 23:46

Instrument :

BNA_F

ClientSampleId :

RM-6

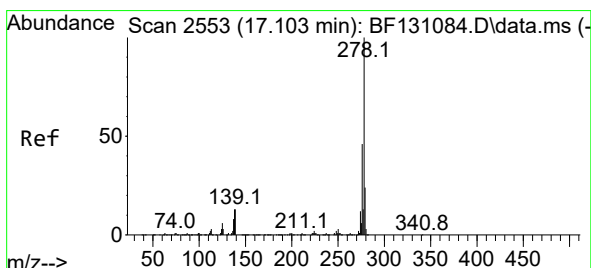
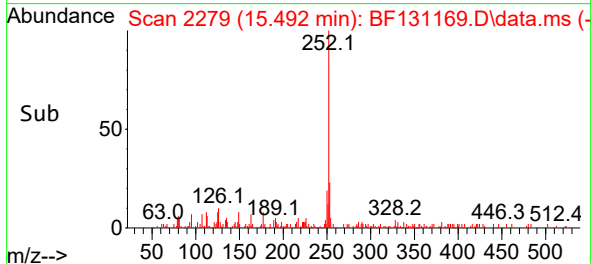
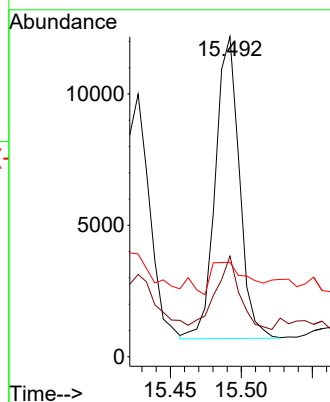
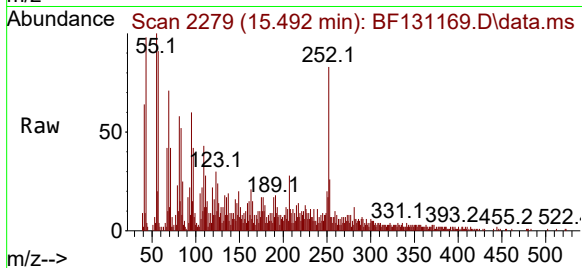
Tgt Ion:252 Resp: 13515

Ion Ratio Lower Upper

252 100

253 31.4 17.8 26.8#

125 29.5 8.1 12.1#



#91

Dibenzo(a,h)anthracene

Concen: 4.216 ng

RT: 17.062 min Scan# 2546

Delta R.T. -0.012 min

Lab File: BF131169.D

Acq: 11 Nov 2022 23:46

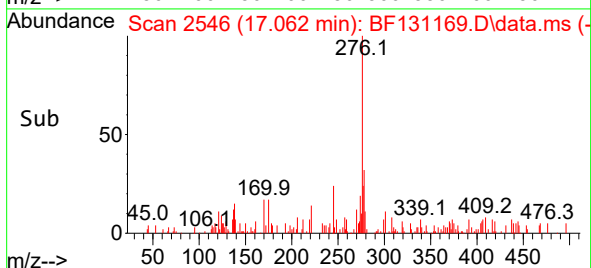
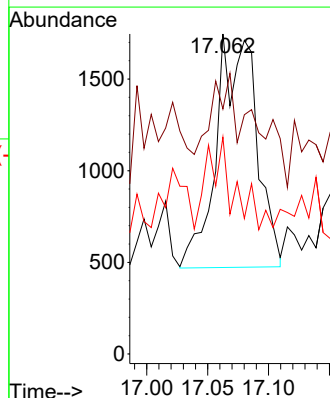
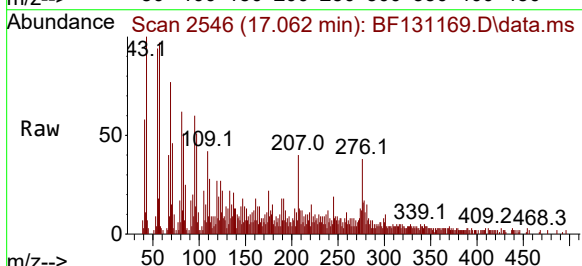
Tgt Ion:278 Resp: 2886

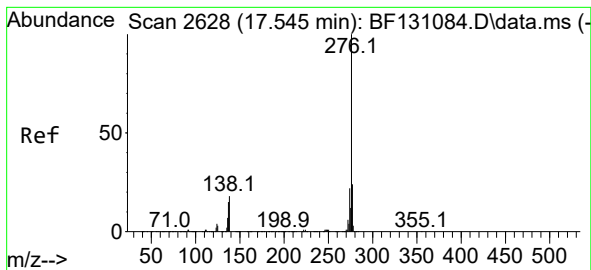
Ion Ratio Lower Upper

278 100

139 76.6 10.8 16.2#

279 67.8 19.2 28.8#





#92

Benzo(g,h,i)perylene

Concen: 5.430 ng

RT: 17.527 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF131169.D

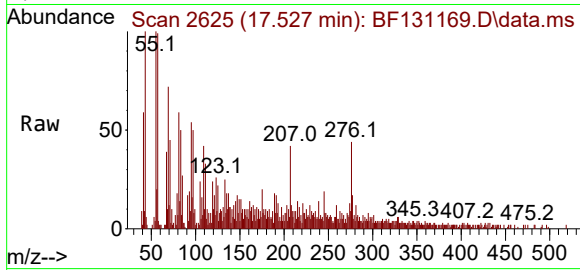
Acq: 11 Nov 2022 23:46

Instrument :

BNA_F

ClientSampleId :

RM-6



Tgt Ion:276 Resp: 8744

Ion Ratio Lower Upper

276 100

277 38.1 19.0 28.4#

138 25.6 14.6 21.8#

