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 Data File : BF132563.D
 Acq On : 27 Feb 2023 20:53
 Operator : CG\JU
 Sample : 01701-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-19-SB01

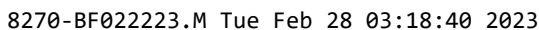
Quant Time: Feb 28 03:18:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.001	152	147002	20.000	ng	0.00
21) Naphthalene-d8	8.289	136	520814	20.000	ng	0.00
39) Acenaphthene-d10	10.048	164	255862	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	412361	20.000	ng	# 0.00
76) Chrysene-d12	14.207	240	315404	20.000	ng	0.00
86) Perylene-d12	15.760	264	238372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.631	112	693904	76.610	ng	0.00
7) Phenol-d6	6.625	99	896787	75.864	ng	-0.01
23) Nitrobenzene-d5	7.566	82	599310	54.595	ng	0.00
42) 2,4,6-Tribromophenol	10.842	330	189746	68.669	ng	0.00
45) 2-Fluorobiphenyl	9.366	172	988978	58.855	ng	0.00
79) Terphenyl-d14	13.136	244	866467	46.448	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.566	70	85017	11.686	ng	# 78
25) Isophorone	7.566	82	599212	28.471	ng	# 67
31) Naphthalene	8.307	128	127893	4.797	ng	98
32) Benzoic acid	8.066	122	1813	4.095	ng	# 35
37) 2-Methylnaphthalene	9.001	142	120183	6.614	ng	96
38) 1-Methylnaphthalene	9.101	142	103206	6.078	ng	100
55) Dibenzofuran	10.254	168	60471	2.673	ng	# 98
63) Azobenzene	10.766	77	167274	8.681	ng	# 1
67) 4-Bromophenyl-phenylether	10.842	248	11583	2.483	ng	# 1
71) Phenanthrene	11.572	178	420146	19.668	ng	98
72) Anthracene	11.619	178	90782	4.127	ng	99
75) Fluoranthene	12.766	202	521099	22.314	ng	99
78) Pyrene	13.001	202	510413	17.799	ng	99
81) Benzo(a)anthracene	14.195	228	276719	11.726	ng	94
83) Chrysene	14.230	228	298327	13.518	ng	96
87) Indeno(1,2,3-cd)pyrene	17.354	276	92246	5.906	ng	95
88) Benzo(b)fluoranthene	15.295	252	397781	24.901	ng	98
89) Benzo(k)fluoranthene	15.295	252	397781	25.443	ng	99
90) Benzo(a)pyrene	15.689	252	172293	11.524	ng	96
91) Dibenzo(a,h)anthracene	17.365	278	26081	2.049	ng	# 84
92) Benzo(g,h,i)perylene	17.842	276	92013	7.797	ng	99

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

Quant Time: Feb 28 03:18:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 24 23:17:30 2023
Response via : Initial Calibration

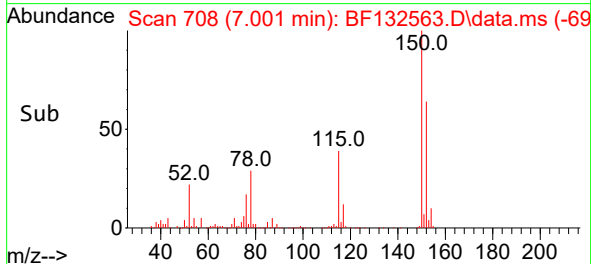
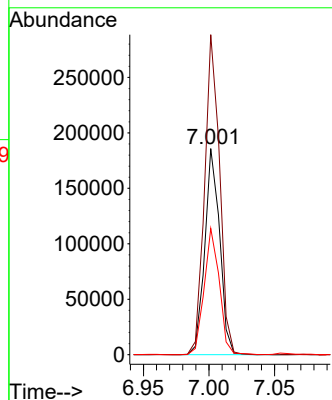
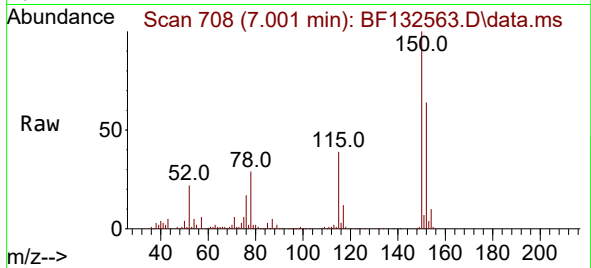




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.001 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

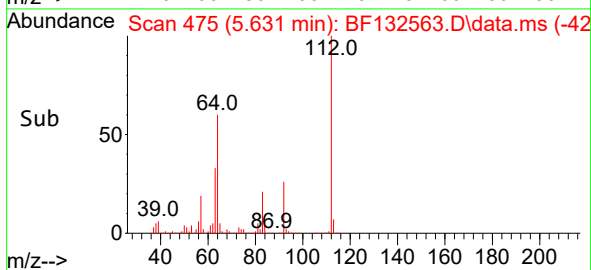
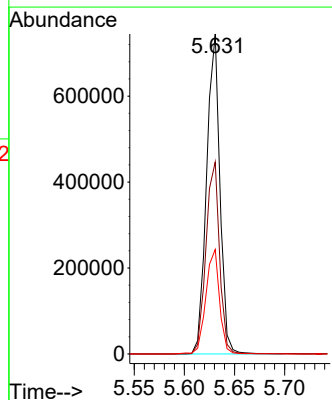
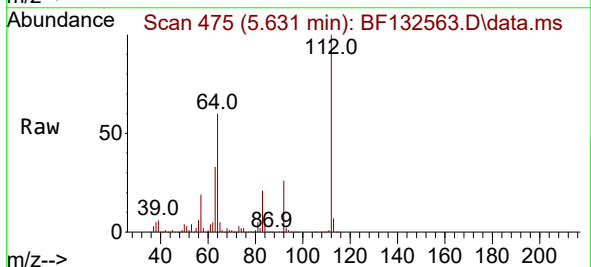
Instrument :
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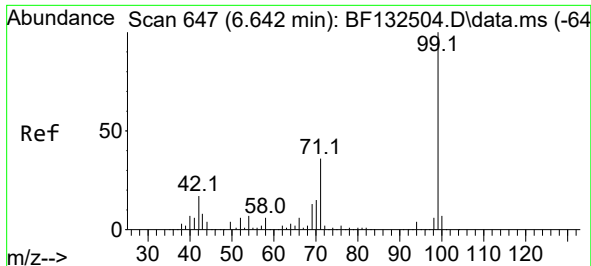
Tgt Ion:152 Resp: 147002
Ion Ratio Lower Upper
152 100
150 155.3 125.4 188.2
115 61.3 47.8 71.6



#5
2-Fluorophenol
Concen: 76.610 ng
RT: 5.631 min Scan# 475
Delta R.T. 0.000 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

Tgt Ion:112 Resp: 693904
Ion Ratio Lower Upper
112 100
64 60.0 51.6 77.4
63 32.7 27.4 41.2

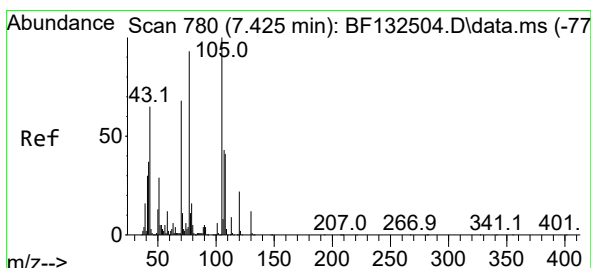
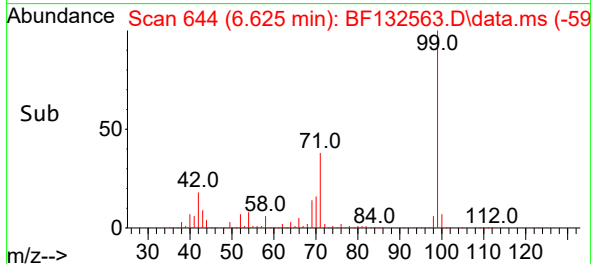
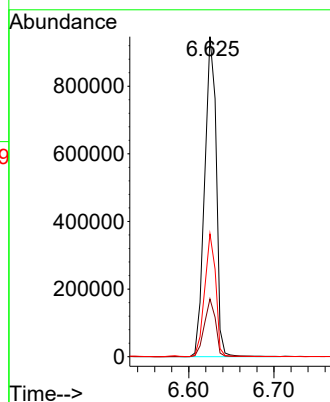
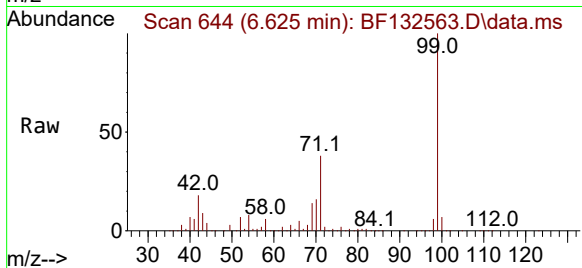




#7
Phenol-d6
Concen: 75.864 ng
RT: 6.625 min Scan# 64
Delta R.T. -0.012 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

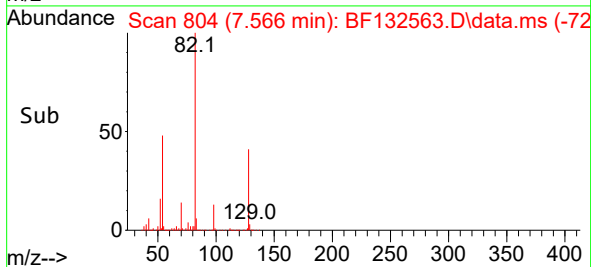
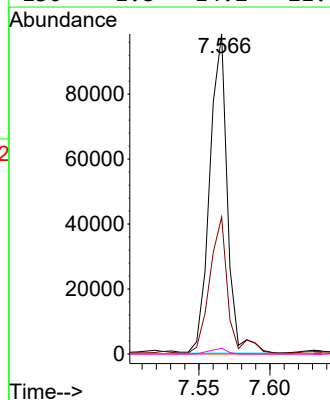
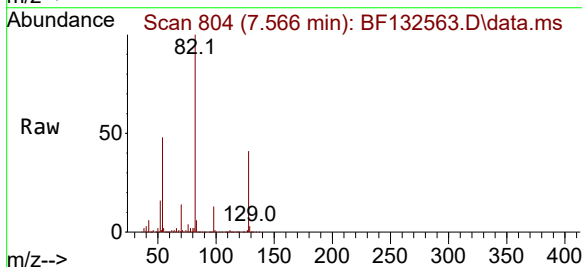
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ClientSampleId :
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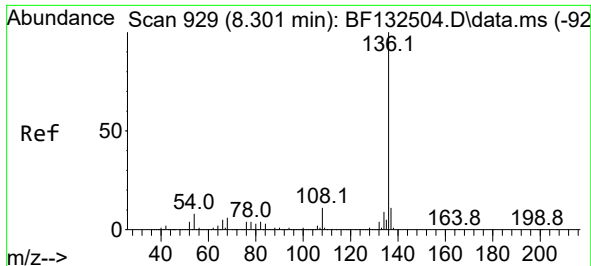
Tgt Ion: 99 Resp: 896787
Ion Ratio Lower Upper
99 100
42 18.0 13.9 20.9
71 38.4 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.686 ng
RT: 7.566 min Scan# 804
Delta R.T. 0.147 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

Tgt Ion: 70 Resp: 85017
Ion Ratio Lower Upper
70 100
42 42.8 44.1 66.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.4#

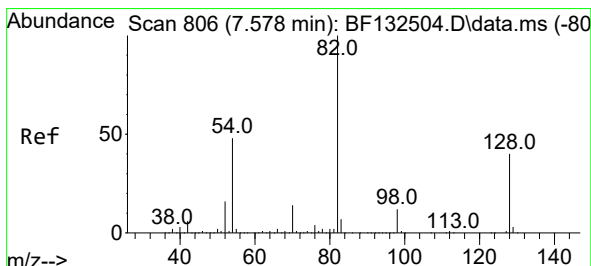
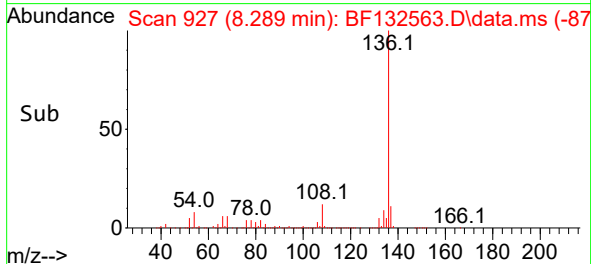
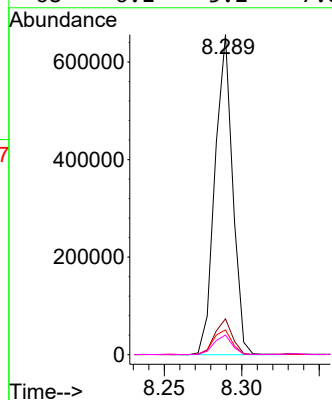
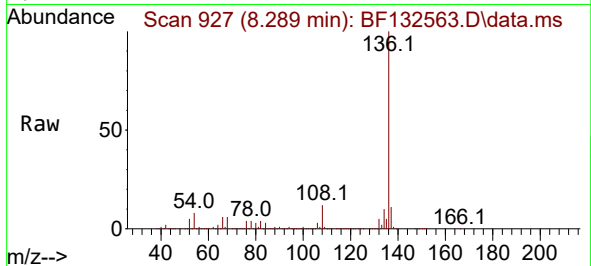




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.289 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

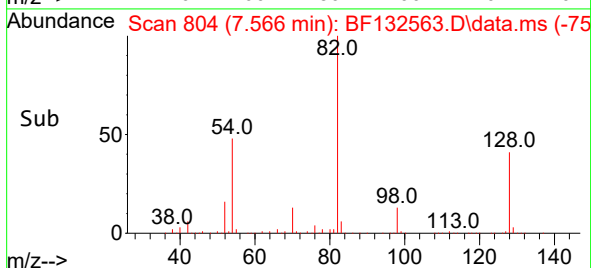
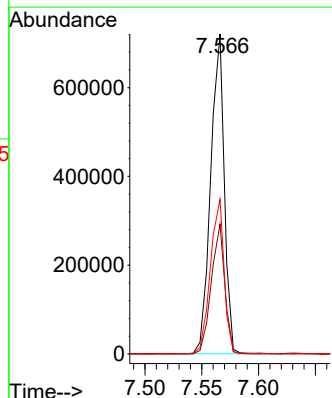
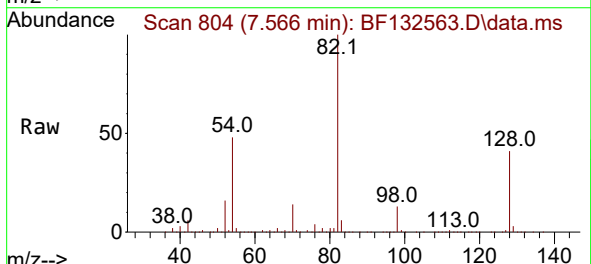
Instrument :
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ClientSampleId :
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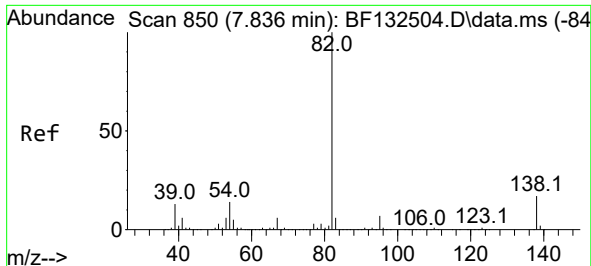
Tgt Ion:136 Resp: 520814
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.8 6.2 9.4
68 6.1 5.2 7.8



#23
Nitrobenzene-d5
Concen: 54.595 ng
RT: 7.566 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

Tgt Ion: 82 Resp: 599310
Ion Ratio Lower Upper
82 100
128 40.6 32.2 48.2
54 48.3 38.4 57.6

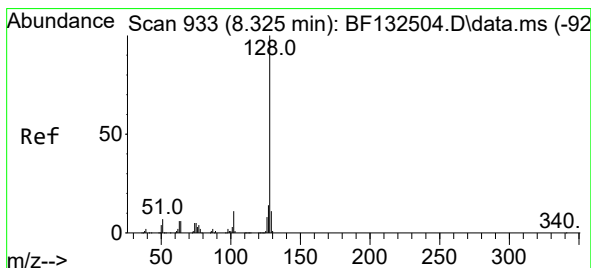
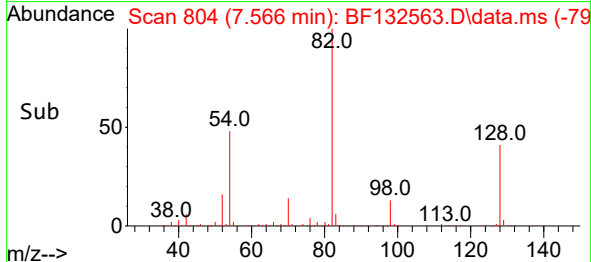
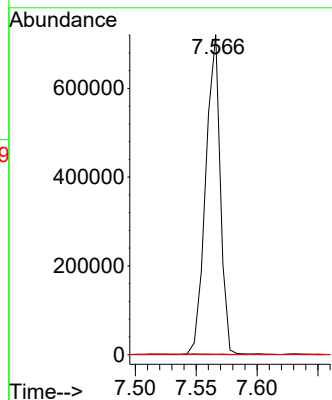
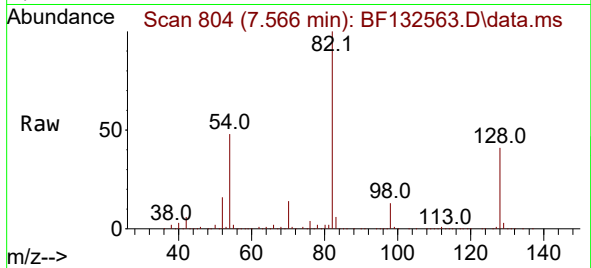




#25
Isophorone
Concen: 28.471 ng
RT: 7.566 min Scan# 80
Delta R.T. -0.259 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

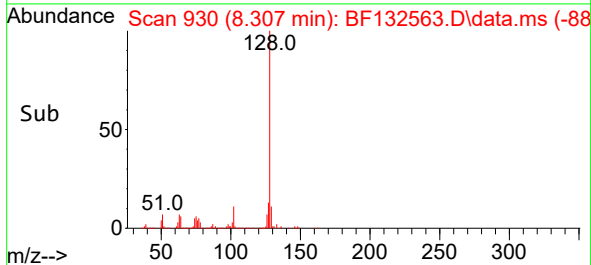
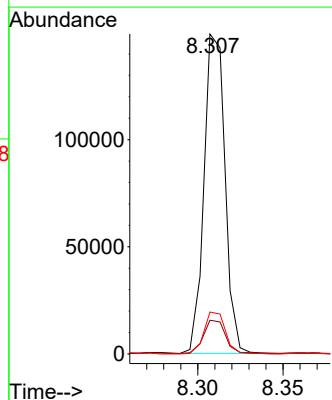
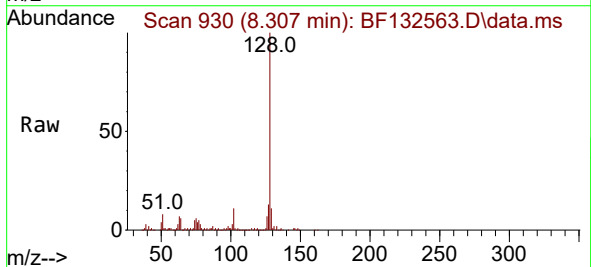
Instrument :
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ClientSampleId :
B-19-SB01

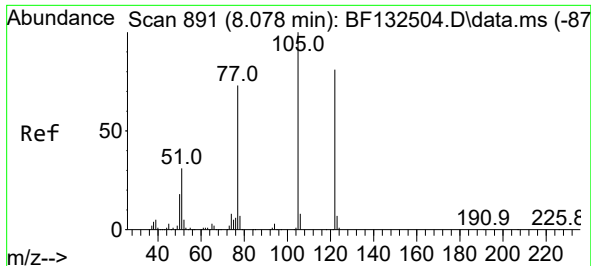
Tgt Ion: 82 Resp: 599212
Ion Ratio Lower Upper
82 100
95 0.2 5.7 8.5#
138 0.0 13.3 19.9#



#31
Naphthalene
Concen: 4.797 ng
RT: 8.307 min Scan# 930
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

Tgt Ion:128 Resp: 127893
Ion Ratio Lower Upper
128 100
129 10.6 9.1 13.7
127 13.1 11.0 16.6

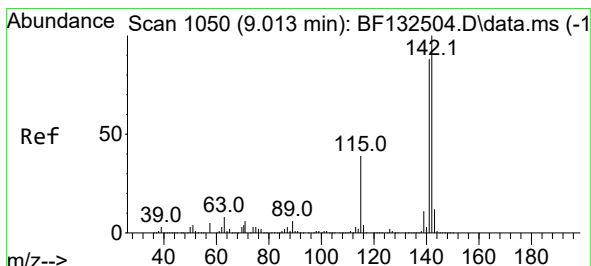
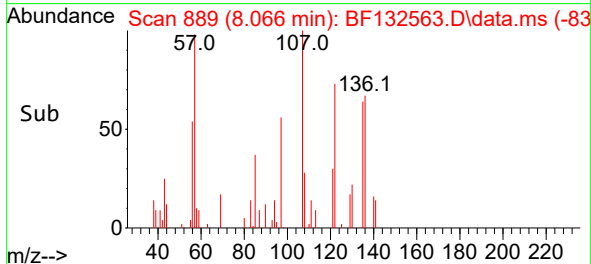
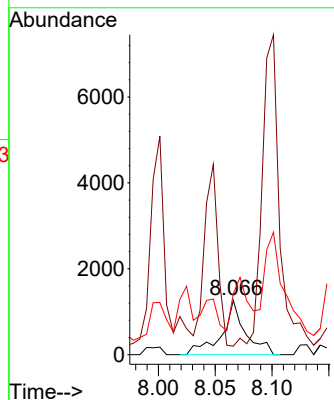
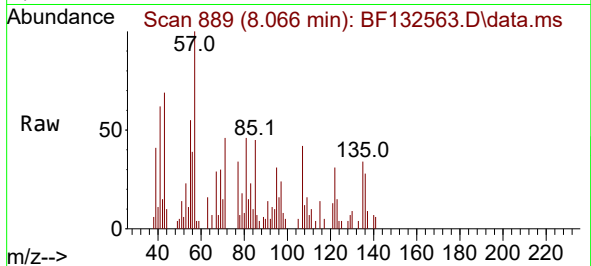




#32
Benzoic acid
Concen: 4.095 ng
RT: 8.066 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

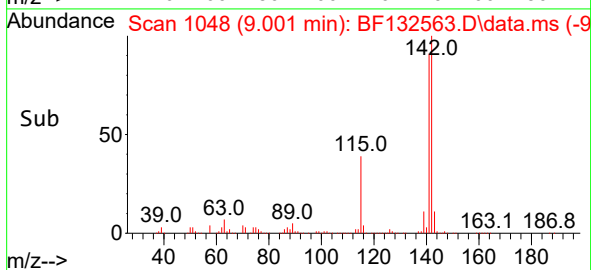
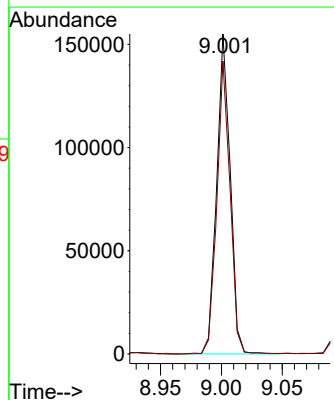
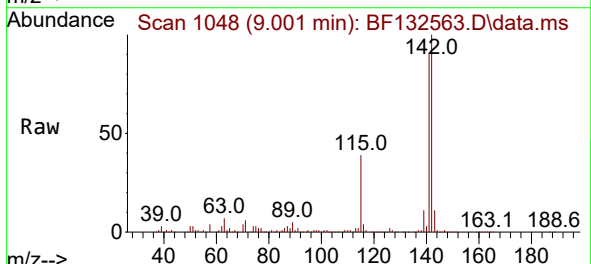
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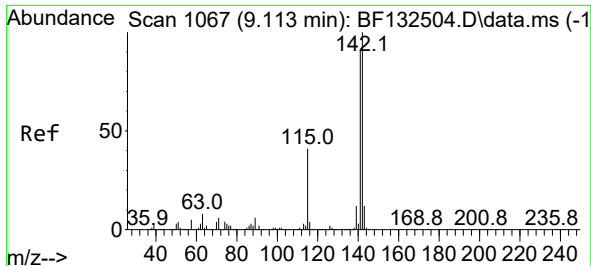
Tgt Ion:122 Resp: 1813
Ion Ratio Lower Upper
122 100
105 15.7 102.6 142.6#
77 112.2 70.2 110.2#



#37
2-Methylnaphthalene
Concen: 6.614 ng
RT: 9.001 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

Tgt Ion:142 Resp: 120183
Ion Ratio Lower Upper
142 100
141 91.5 70.2 105.2





#38

1-Methylnaphthalene

Concen: 6.078 ng

RT: 9.101 min Scan# 1065

Delta R.T. -0.006 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

Instrument :

BNA_F

ClientSampleId :

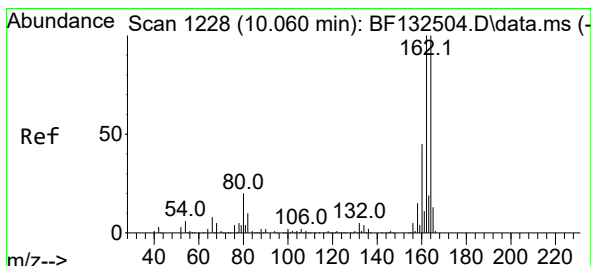
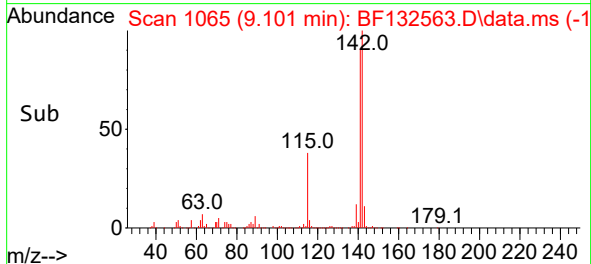
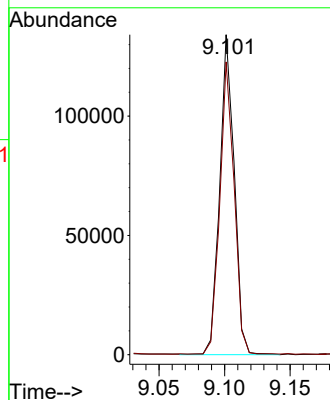
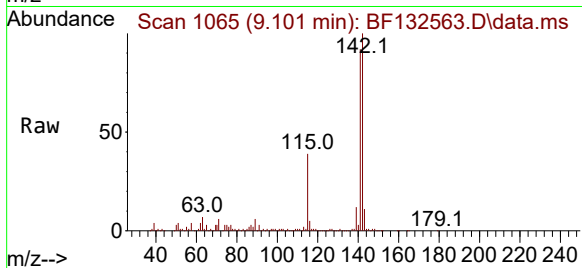
B-19-SB01

Tgt Ion:142 Resp: 103206

Ion Ratio Lower Upper

142 100

141 91.5 73.0 109.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.048 min Scan# 1226

Delta R.T. -0.006 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

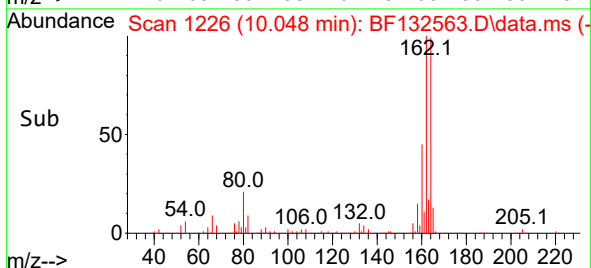
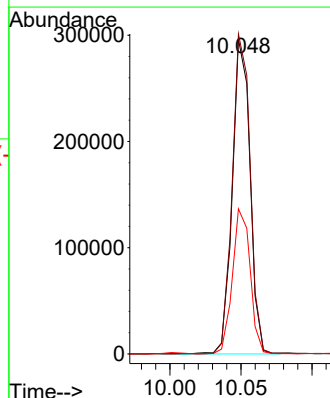
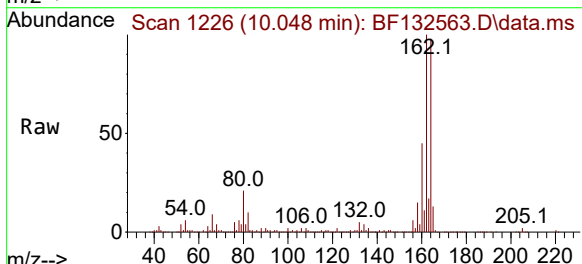
Tgt Ion:164 Resp: 255862

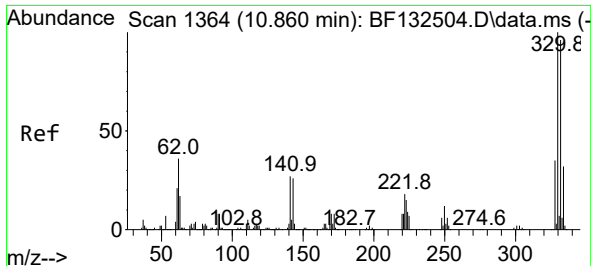
Ion Ratio Lower Upper

164 100

162 101.7 79.8 119.8

160 46.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 68.669 ng

RT: 10.842 min Scan# 1110

Delta R.T. -0.006 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

Instrument :

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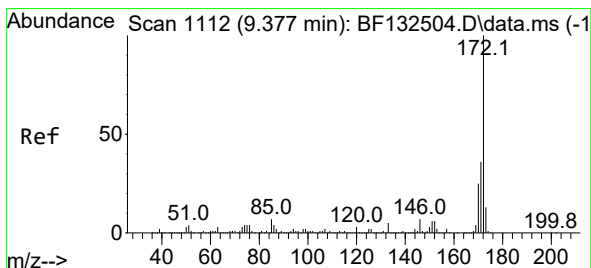
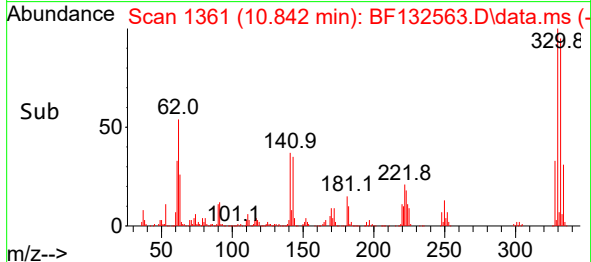
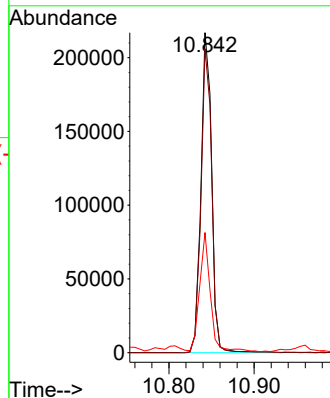
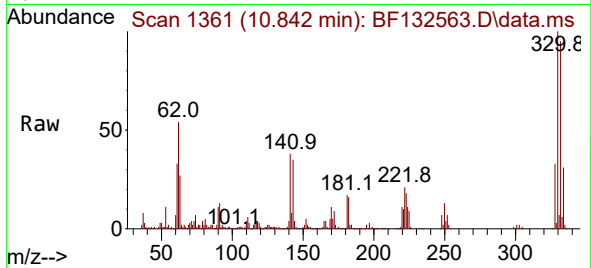
Tgt Ion:330 Resp: 189746

Ion Ratio Lower Upper

330 100

332 95.2 76.2 114.4

141 37.3 28.4 42.6



#45

2-Fluorobiphenyl

Concen: 58.855 ng

RT: 9.366 min Scan# 1110

Delta R.T. -0.006 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

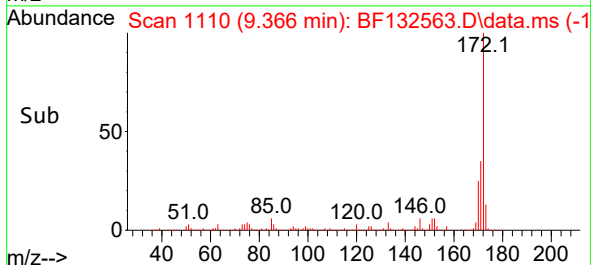
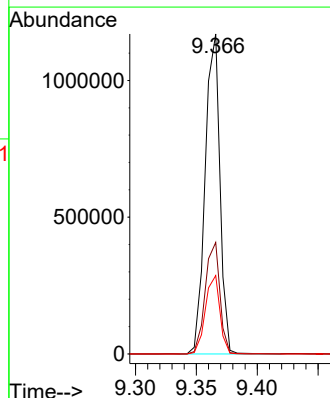
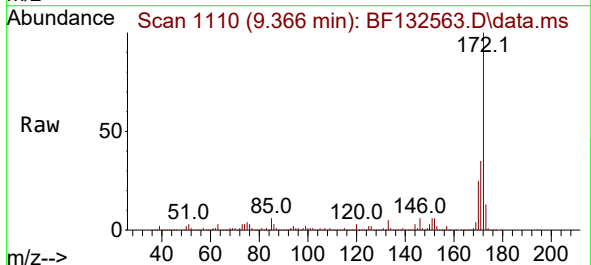
Tgt Ion:172 Resp: 988978

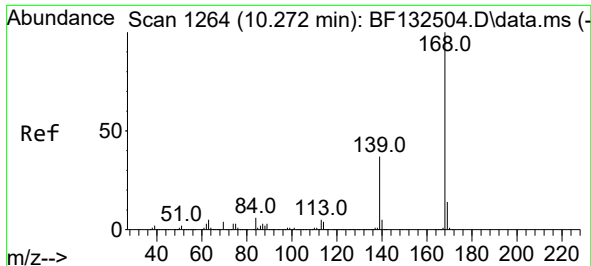
Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 24.5 19.7 29.5

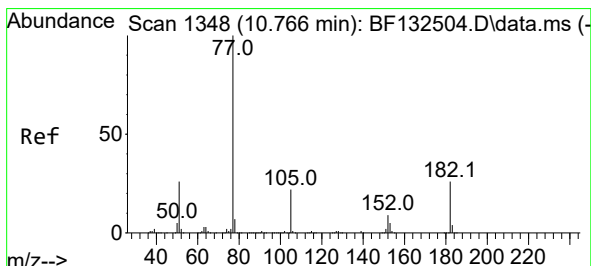
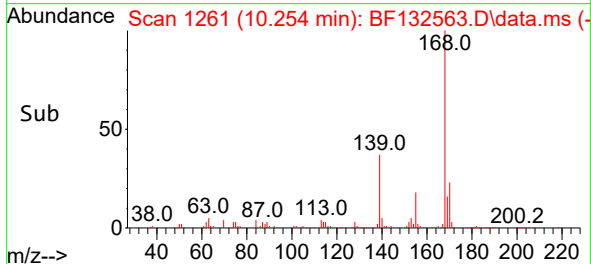
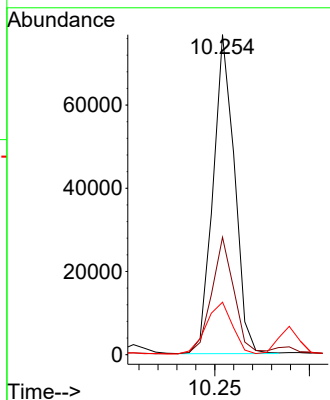
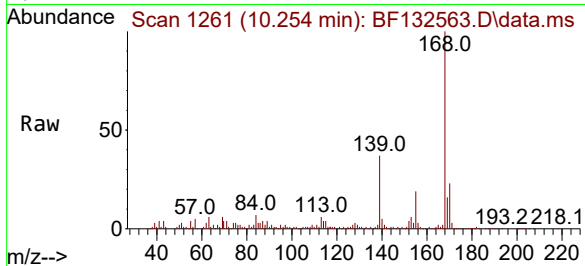




#55
Dibenzenofuran
Concen: 2.673 ng
RT: 10.254 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

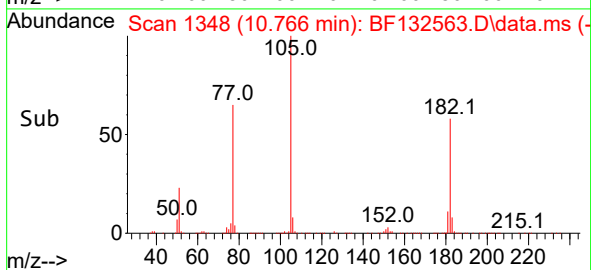
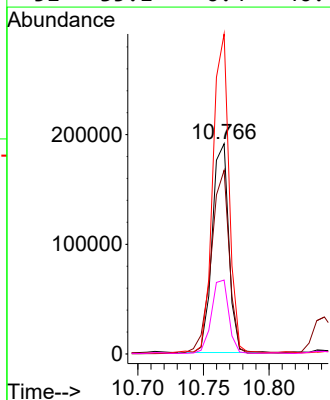
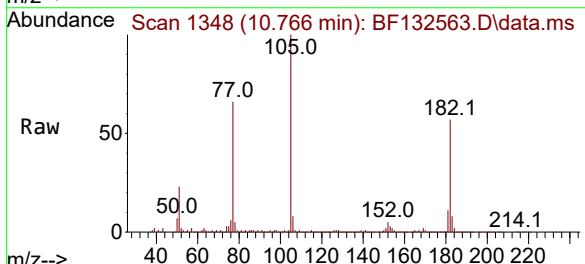
Instrument :
BNA_F
ClientSampleId :
B-19-SB01

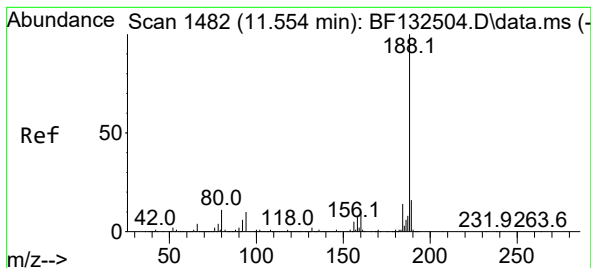
Tgt Ion:168 Resp: 60471
Ion Ratio Lower Upper
168 100
139 36.7 29.8 44.6
169 16.4 10.9 16.3#



#63
Azobenzene
Concen: 8.681 ng
RT: 10.766 min Scan# 1348
Delta R.T. 0.012 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

Tgt Ion: 77 Resp: 167274
Ion Ratio Lower Upper
77 100
182 87.3 5.5 45.5#
105 152.2 1.8 41.8#
51 35.1 6.4 46.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.548 min Scan# 1482

Delta R.T. 0.000 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

Instrument :

BNA_F

ClientSampleId :

B-19-SB01

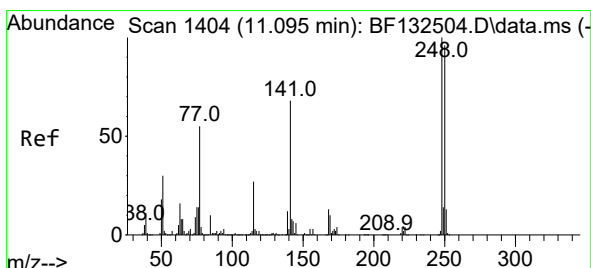
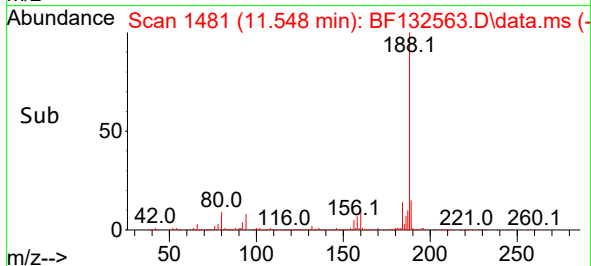
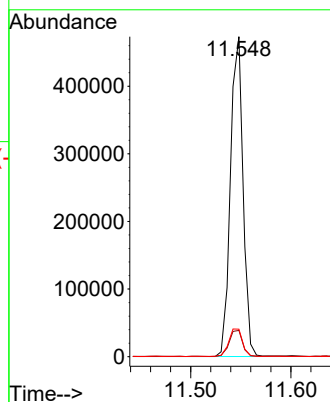
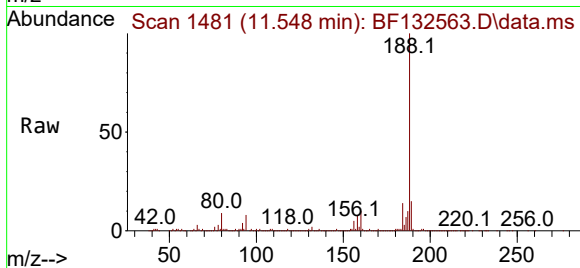
Tgt Ion:188 Resp: 412361

Ion Ratio Lower Upper

188 100

94 8.2 8.3 12.5#

80 8.6 8.7 13.1#



#67

4-Bromophenyl-phenylether

Concen: 2.483 ng

RT: 10.842 min Scan# 1361

Delta R.T. -0.247 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

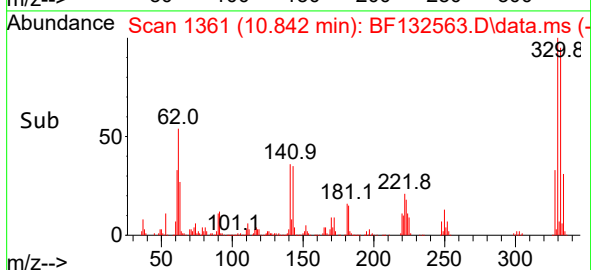
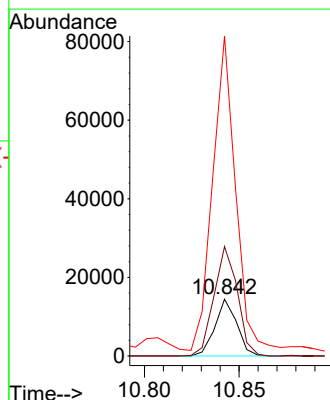
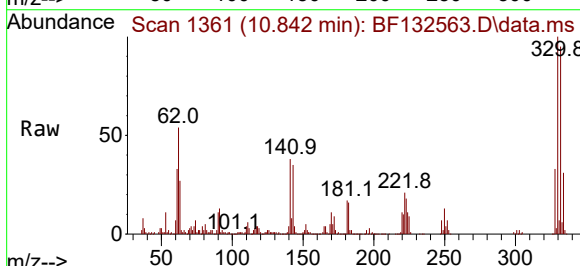
Tgt Ion:248 Resp: 11583

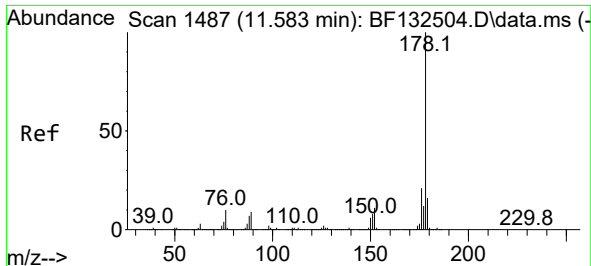
Ion Ratio Lower Upper

248 100

250 192.8 77.0 115.4#

141 563.2 54.2 81.2#

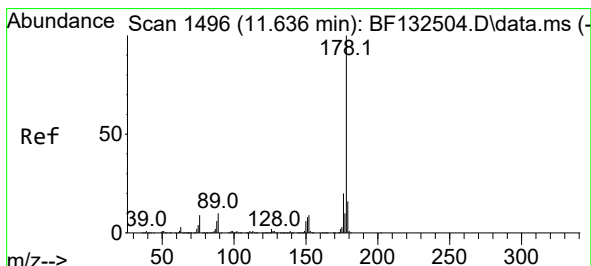
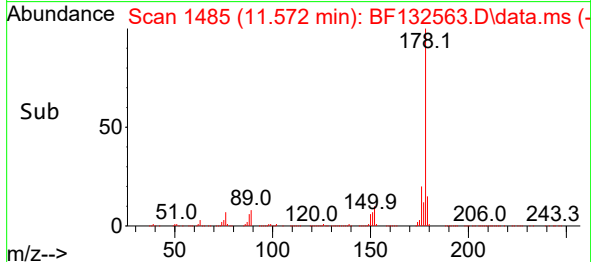
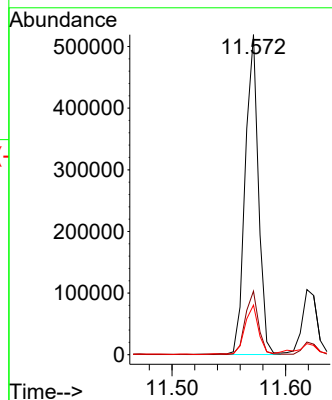
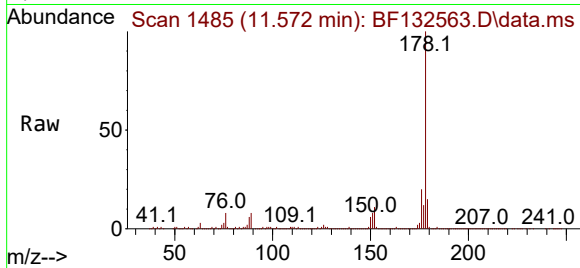




#71
Phenanthrene
Concen: 19.668 ng
RT: 11.572 min Scan# 1485
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

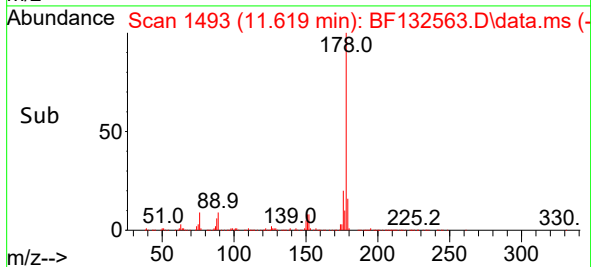
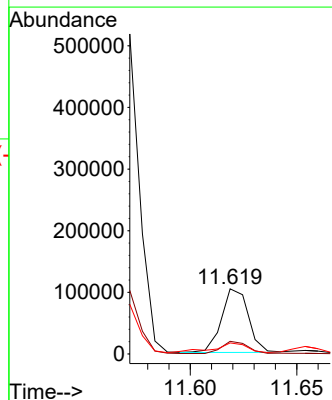
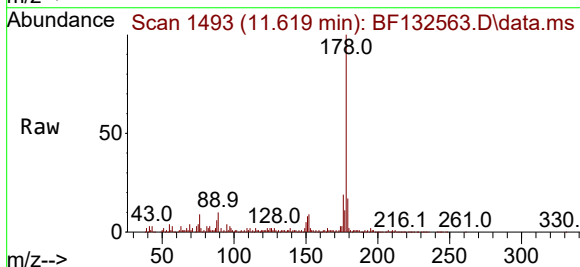
Instrument :
BNA_F
ClientSampleId :
B-19-SB01

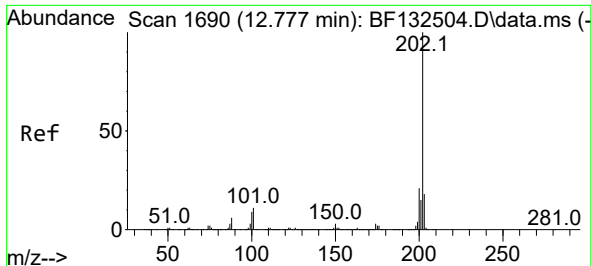
Tgt Ion:178 Resp: 420146
Ion Ratio Lower Upper
178 100
176 19.9 16.5 24.7
179 15.5 13.0 19.6



#72
Anthracene
Concen: 4.127 ng
RT: 11.619 min Scan# 1493
Delta R.T. -0.012 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

Tgt Ion:178 Resp: 90782
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 16.9 12.5 18.7

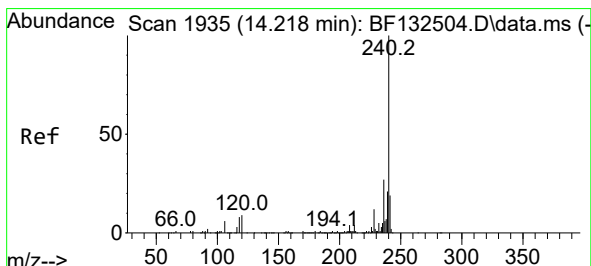
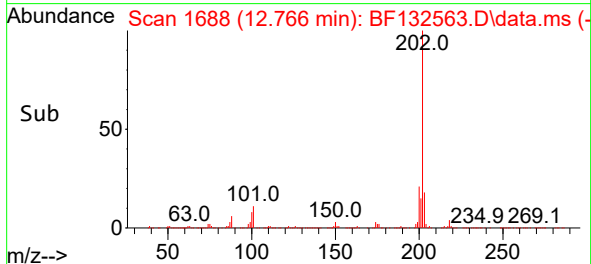
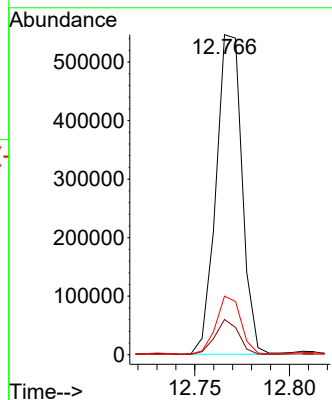
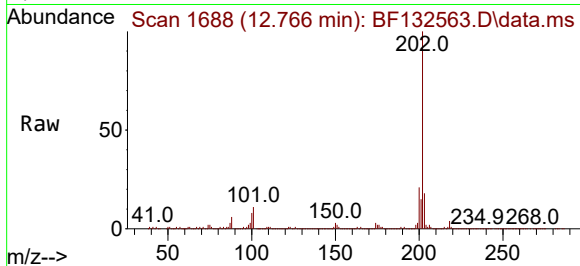




#75
Fluoranthene
Concen: 22.314 ng
RT: 12.766 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

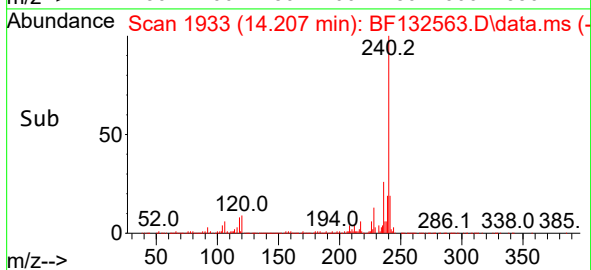
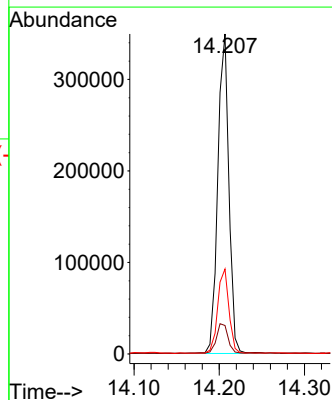
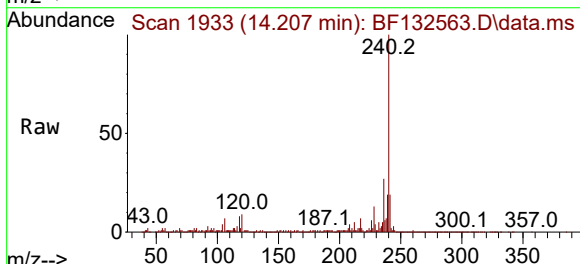
Instrument :
BNA_F
ClientSampleId :
B-19-SB01

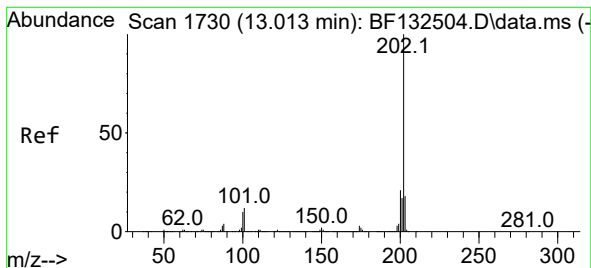
Tgt Ion:202 Resp: 521099
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.4
203 18.3 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.207 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

Tgt Ion:240 Resp: 315404
Ion Ratio Lower Upper
240 100
120 8.9 7.2 10.8
236 26.6 21.8 32.6





#78

Pyrene

Concen: 17.799 ng

RT: 13.001 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

Instrument :

BNA_F

ClientSampleId :

B-19-SB01

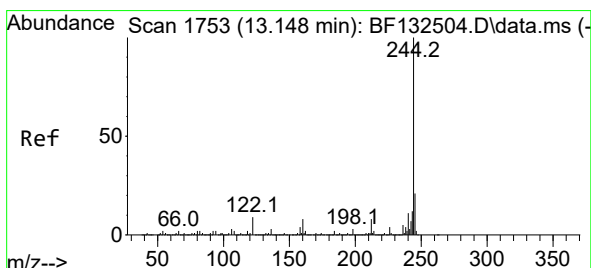
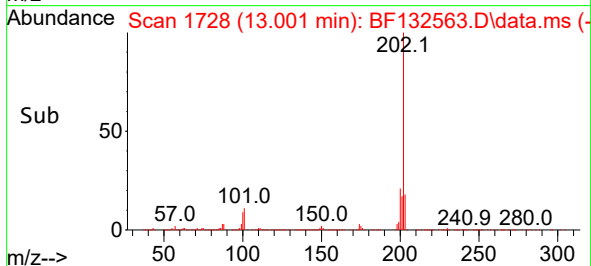
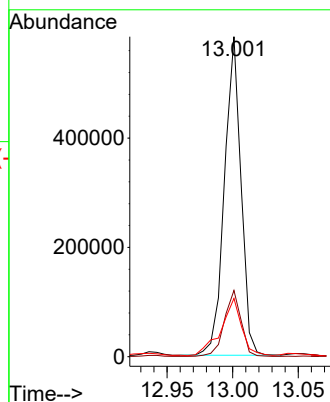
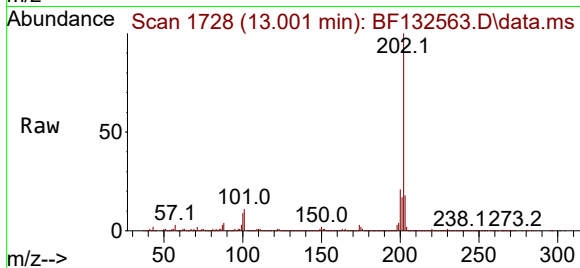
Tgt Ion:202 Resp: 510413

Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

203 18.2 14.6 21.8



#79

Terphenyl-d14

Concen: 46.448 ng

RT: 13.136 min Scan# 1751

Delta R.T. -0.006 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

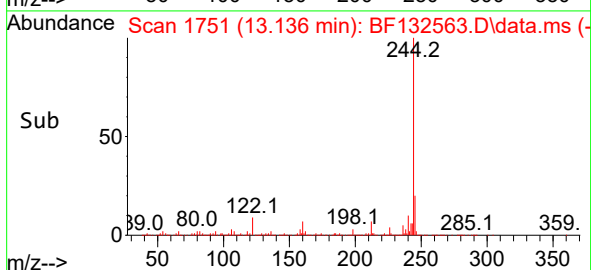
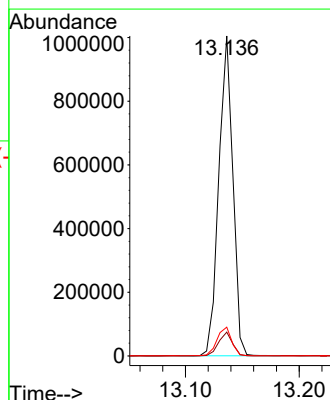
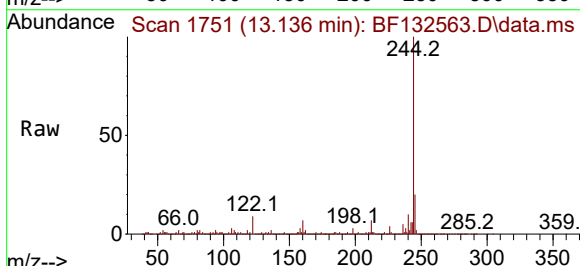
Tgt Ion:244 Resp: 866467

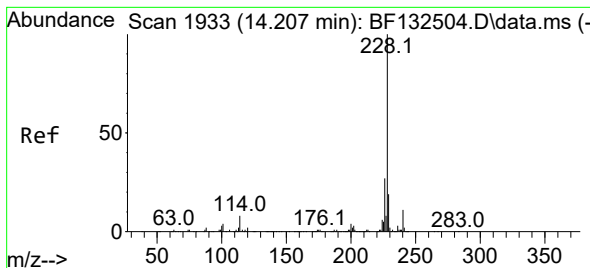
Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

122 9.0 7.5 11.3





#81

Benzo(a)anthracene

Concen: 11.726 ng

RT: 14.195 min Scan# 1931

Delta R.T. 0.000 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

Instrument :

BNA_F

ClientSampleId :

B-19-SB01

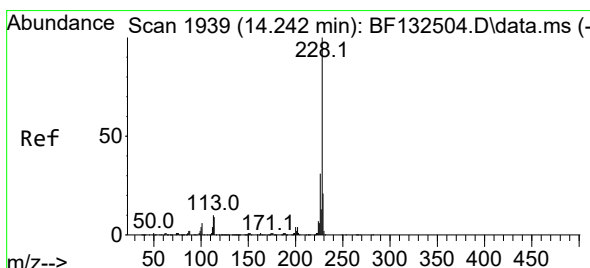
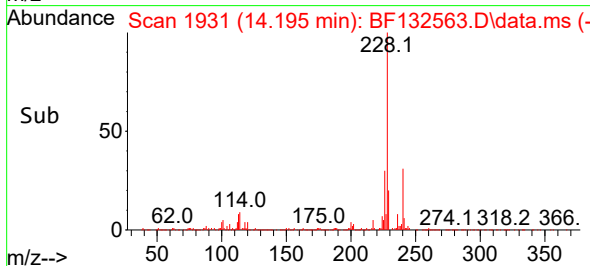
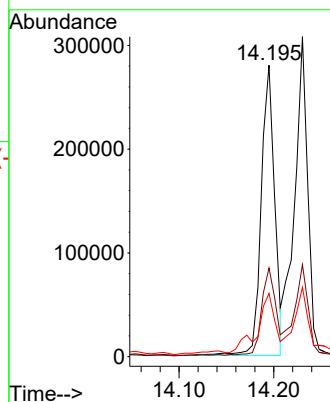
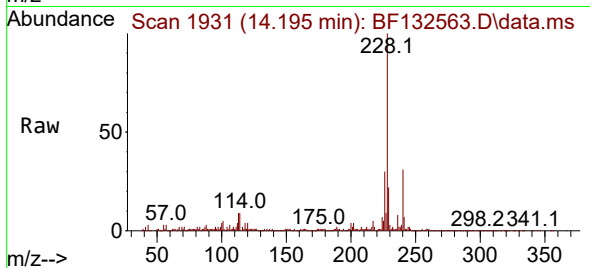
Tgt Ion:228 Resp: 276719

Ion Ratio Lower Upper

228 100

226 30.4 21.7 32.5

229 21.7 15.4 23.2



#83

Chrysene

Concen: 13.518 ng

RT: 14.230 min Scan# 1937

Delta R.T. -0.006 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

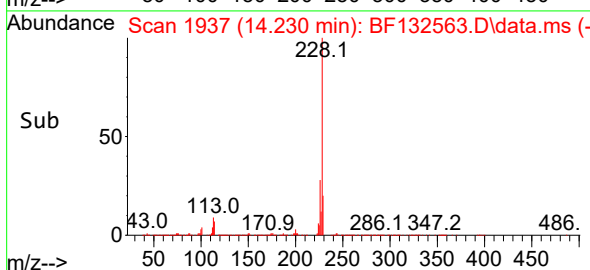
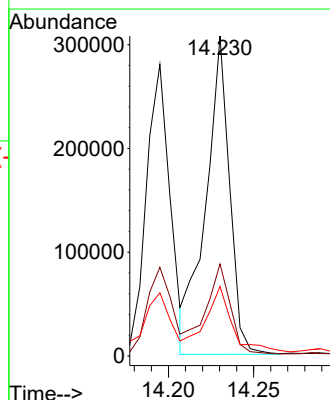
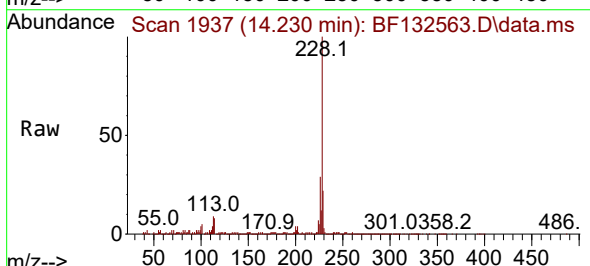
Tgt Ion:228 Resp: 298327

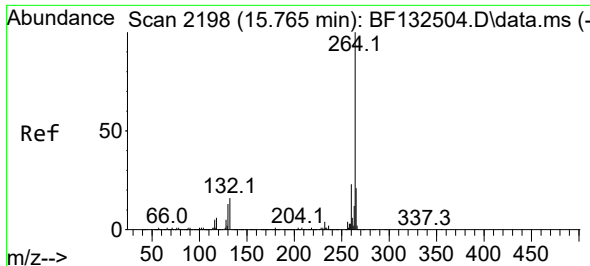
Ion Ratio Lower Upper

228 100

226 28.8 25.0 37.6

229 21.7 16.4 24.6

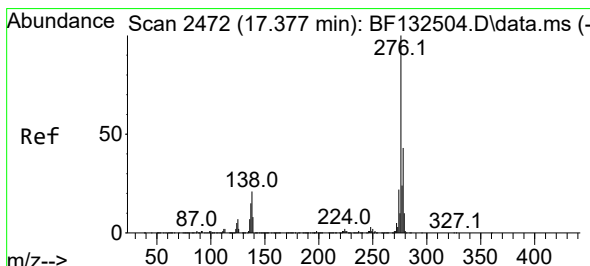
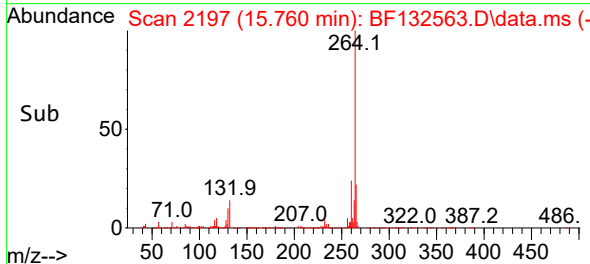
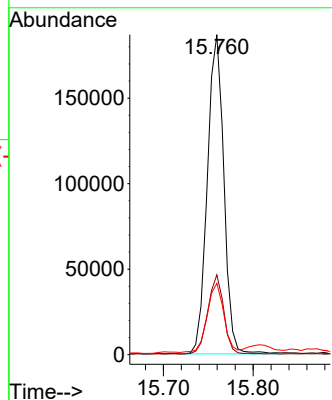
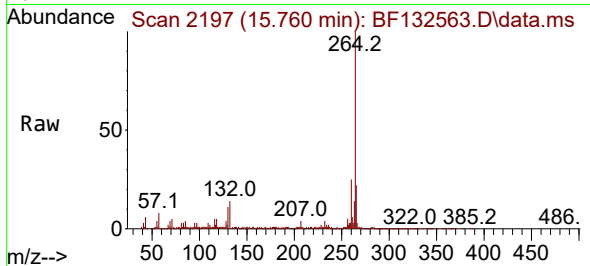




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.760 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

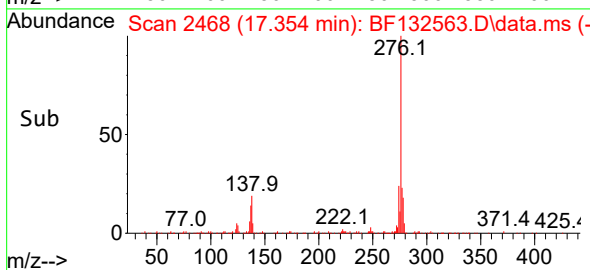
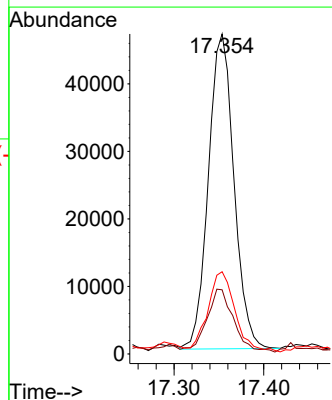
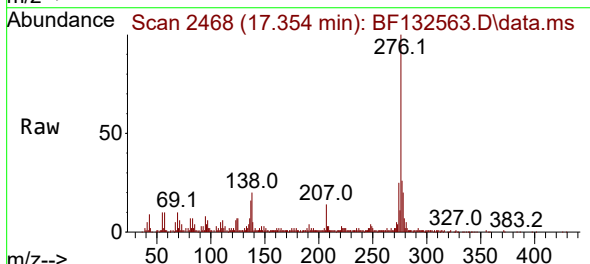
Instrument :
BNA_F
ClientSampleId :
B-19-SB01

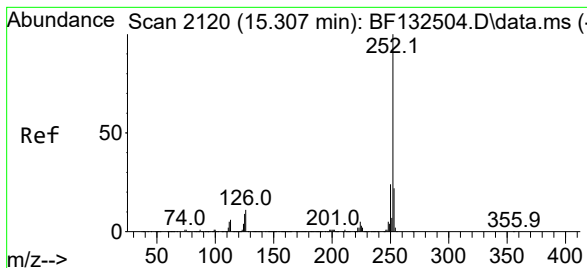
Tgt Ion:264 Resp: 238372
Ion Ratio Lower Upper
264 100
260 25.0 18.8 28.2
265 22.3 17.1 25.7



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.906 ng
RT: 17.354 min Scan# 2468
Delta R.T. -0.006 min
Lab File: BF132563.D
Acq: 27 Feb 2023 20:53

Tgt Ion:276 Resp: 92246
Ion Ratio Lower Upper
276 100
138 20.9 19.0 28.4
277 27.2 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 24.901 ng

RT: 15.295 min Scan# 2118

Delta R.T. 0.000 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

Instrument :

BNA_F

ClientSampleId :

B-19-SB01

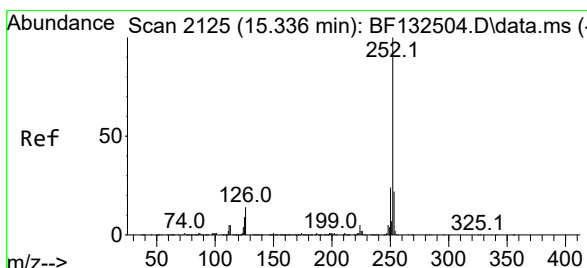
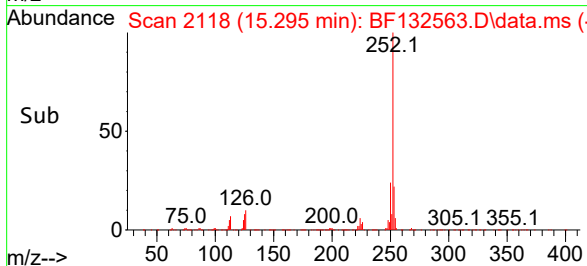
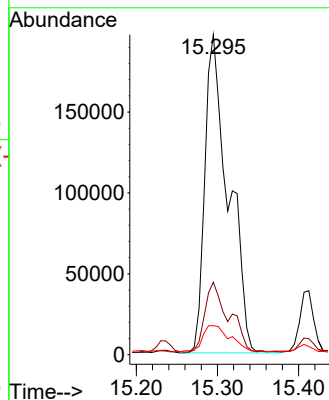
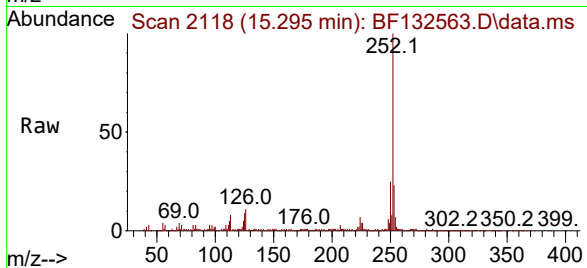
Tgt Ion:252 Resp: 397781

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 9.1 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 25.443 ng

RT: 15.295 min Scan# 2118

Delta R.T. -0.029 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

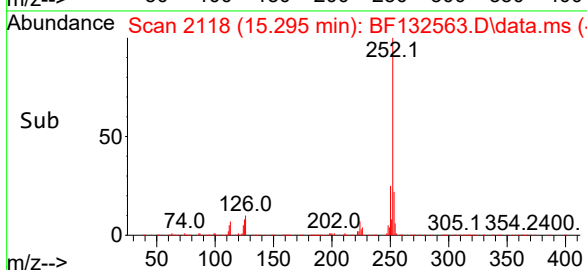
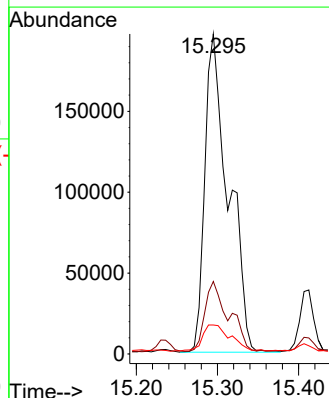
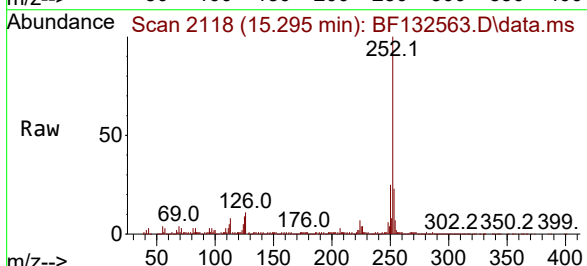
Tgt Ion:252 Resp: 397781

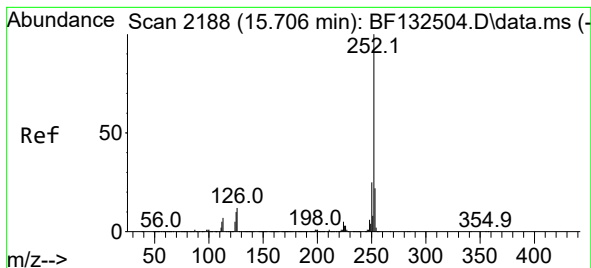
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 9.1 7.2 10.8





#90

Benzo(a)pyrene

Concen: 11.524 ng

RT: 15.689 min Scan# 2188

Delta R.T. 0.000 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

Instrument :

BNA_F

ClientSampleId :

B-19-SB01

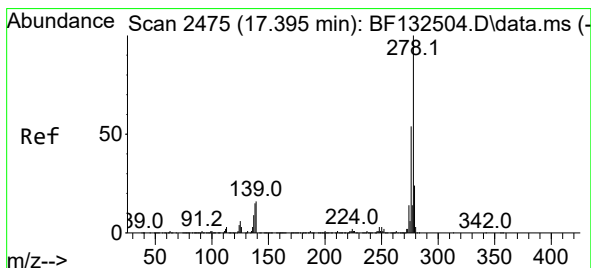
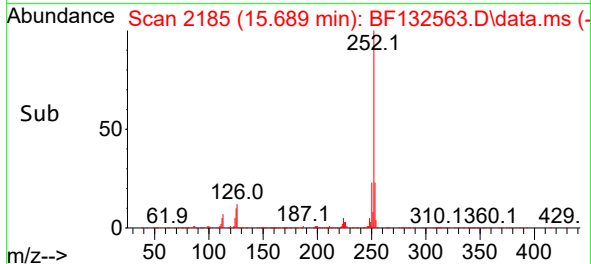
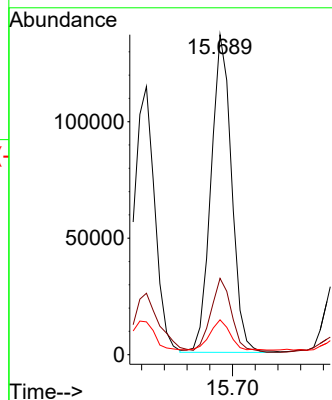
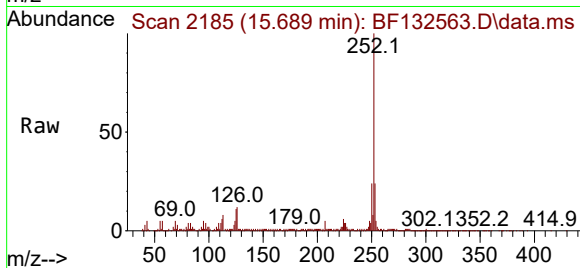
Tgt Ion:252 Resp: 172293

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 10.9 8.0 12.0



#91

Dibenzo(a,h)anthracene

Concen: 2.049 ng

RT: 17.365 min Scan# 2470

Delta R.T. -0.012 min

Lab File: BF132563.D

Acq: 27 Feb 2023 20:53

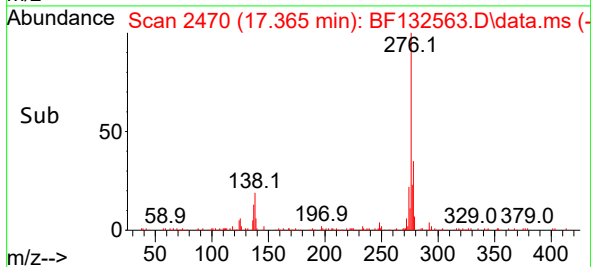
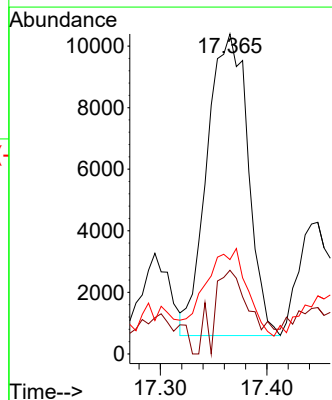
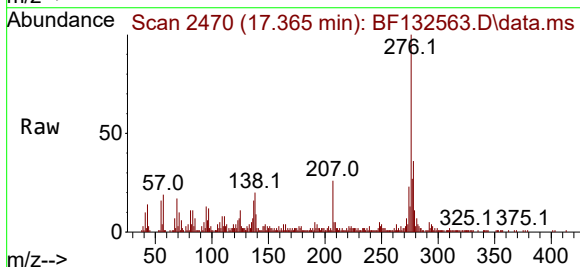
Tgt Ion:278 Resp: 26081

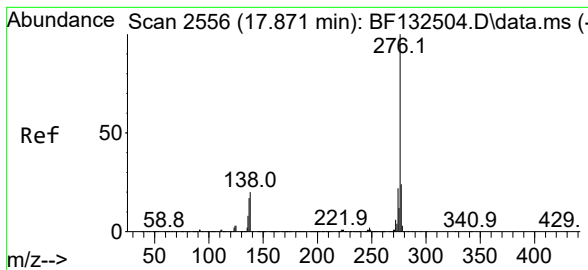
Ion Ratio Lower Upper

278 100

139 26.1 13.0 19.4#

279 29.5 19.0 28.4#





#92
 Benzo(g,h,i)perylene
 Concen: 7.797 ng
 RT: 17.842 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF132563.D
 Acq: 27 Feb 2023 20:53

Instrument :
 BNA_F
 ClientSampleId :
 B-19-SB01

Tgt Ion:	276	Resp:	92013
Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.9	28.3
138	18.9	16.2	24.4

