

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050521\
 Data File : BF123833.D
 Acq On : 5 May 2021 18:07
 Operator : JU/CG
 Sample : M2279-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-15

Quant Time: May 05 18:34:48 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 05 13:09:28 2021
 Response via : Initial Calibration

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

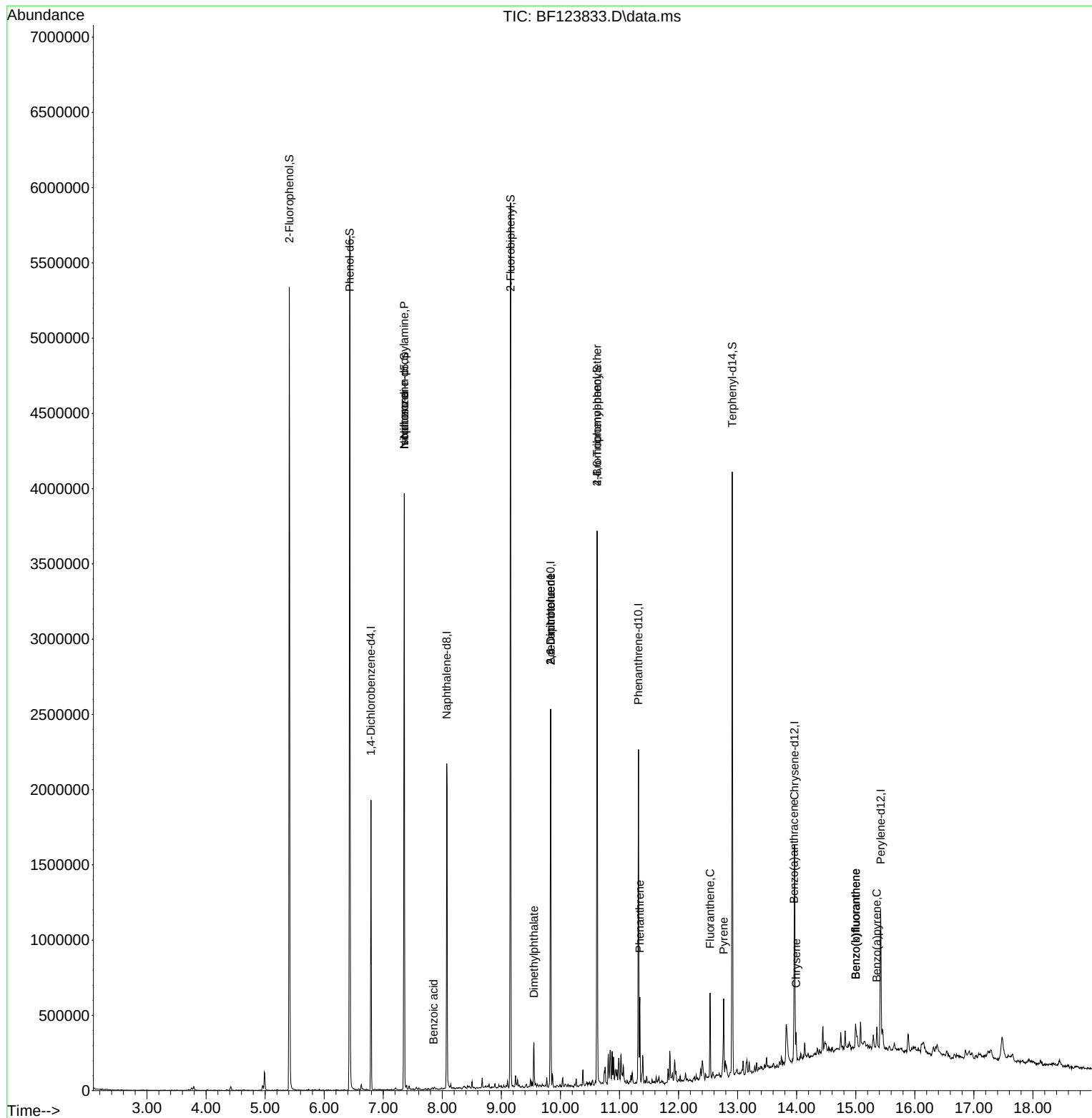
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	228527	20.00	ng	0.00
21) Naphthalene-d8	8.075	136	872301	20.00	ng	# 0.00
39) Acenaphthene-d10	9.833	164	430352	20.00	ng	0.00
64) Phenanthrene-d10	11.322	188	718744	20.00	ng	0.00
76) Chrysene-d12	13.963	240	477788	20.00	ng	#-0.01
86) Perylene-d12	15.421	264	418706	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1184600	82.12	ng	0.00
7) Phenol-d6	6.434	99	1550141	78.01	ng	0.00
23) Nitrobenzene-d5	7.357	82	1057413	54.72	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	393441	73.44	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1570091	53.13	ng	0.00
79) Terphenyl-d14	12.910	244	1165685	46.98	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	143477	11.69	ng	# 72
25) Isophorone	7.357	82	1057400	29.18	ng	# 69
32) Benzoic acid	7.851	122	461	5.44	ng	# 11
50) Dimethylphthalate	9.551	163	93763	3.09	ng	97
51) 2,6-Dinitrotoluene	9.833	165	56097	8.00	ng	# 12
57) 2,4-Dinitrotoluene	9.833	165	56097	5.87	ng	# 17
67) 4-Bromophenyl-phenylether	10.622	248	22649	2.99	ng	# 1
71) Phenanthrene	11.345	178	194731	5.17	ng	99
75) Fluoranthene	12.533	202	208427	5.07	ng	99
78) Pyrene	12.763	202	192445	5.19	ng	97
81) Benzo(a)anthracene	13.957	228	80873	2.79	ng	99
83) Chrysene	13.992	228	74672	2.56	ng	97
88) Benzo(b)fluoranthene	14.998	252	112564	3.99	ng	# 96
89) Benzo(k)fluoranthene	14.998	252	112564	4.18	ng	# 96
90) Benzo(a)pyrene	15.357	252	62320	2.58	ng	# 94

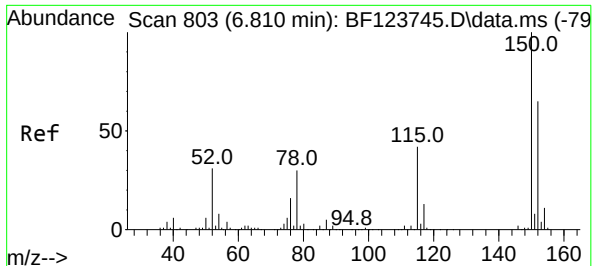
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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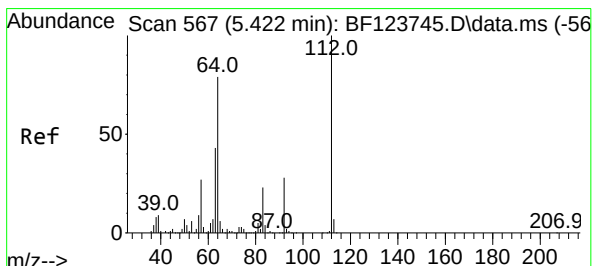
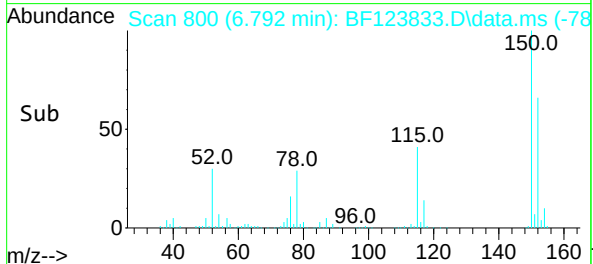
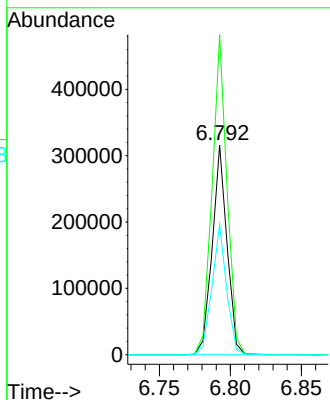
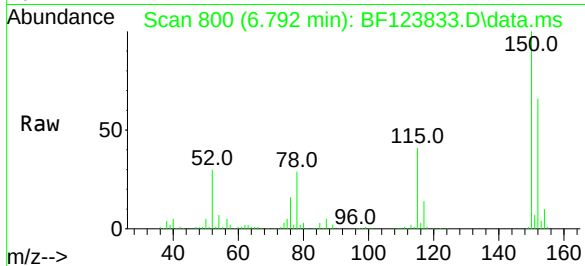




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

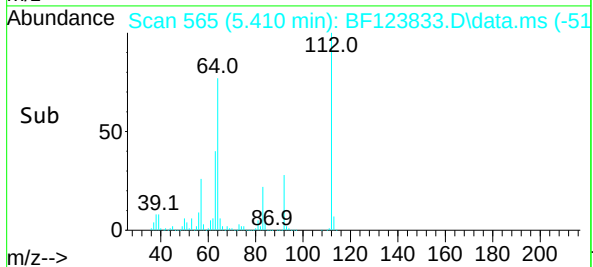
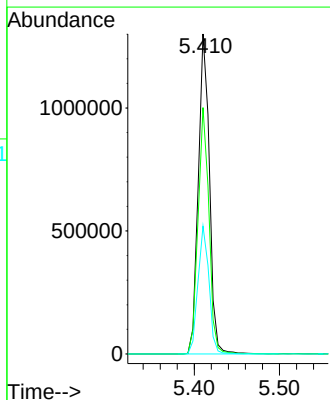
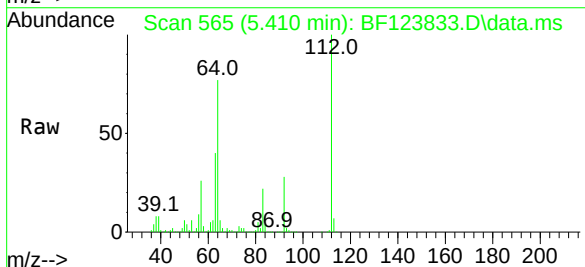
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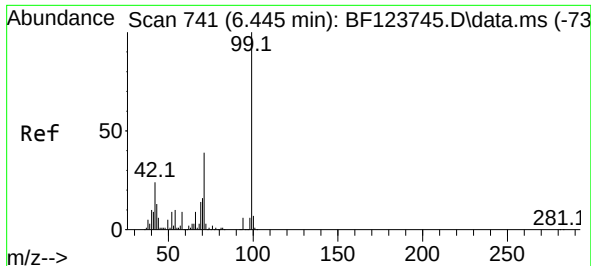
Tgt Ion:152 Resp: 228527
Ion Ratio Lower Upper
152 100
150 152.7 127.0 190.6
115 62.2 54.3 81.5



#5
2-Fluorophenol
Concen: 82.12 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.000 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

Tgt Ion:112 Resp: 1184600
Ion Ratio Lower Upper
112 100
64 77.0 61.4 92.0
63 39.9 33.0 49.4

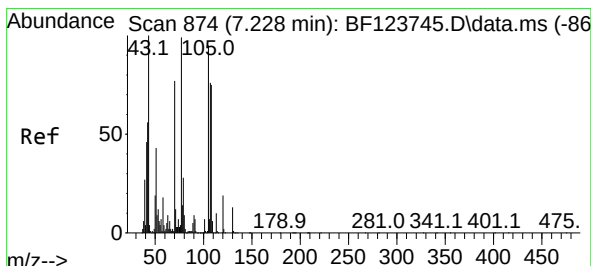
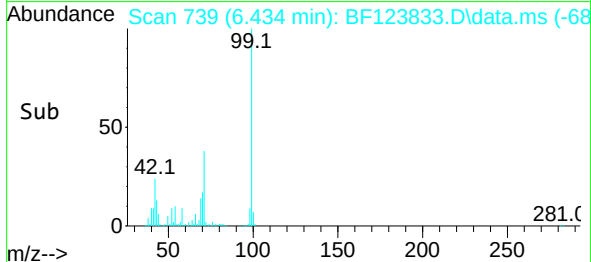
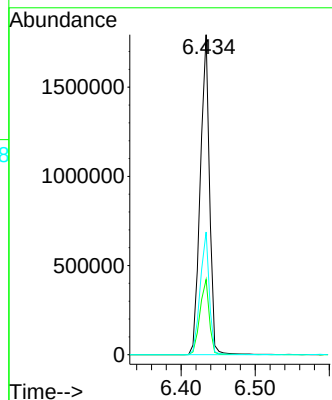
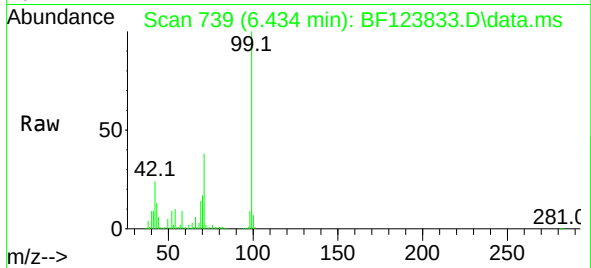




#7
Phenol-d6
Concen: 78.01 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

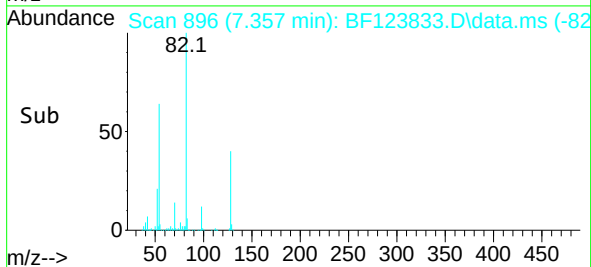
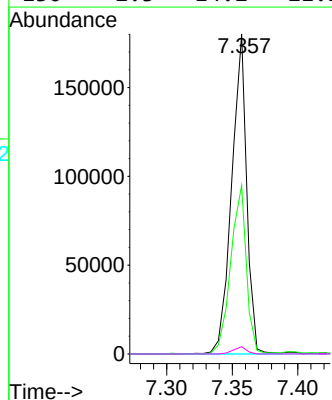
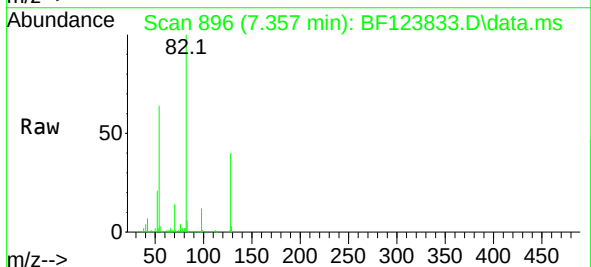
Instrument :
BNA_F
ClientSampleId :
EME-15

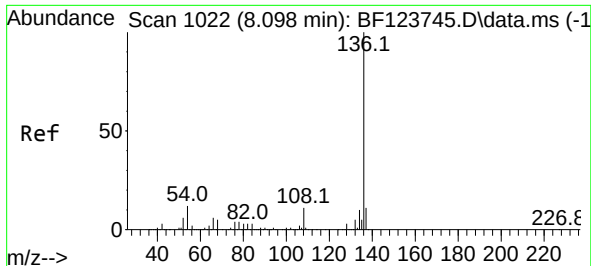
Tgt Ion: 99 Resp: 1550141
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.8
71 38.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.69 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

Tgt Ion: 70 Resp: 143477
Ion Ratio Lower Upper
70 100
42 52.6 60.1 90.1#
101 0.0 7.4 11.2#
130 2.3 14.2 21.2#

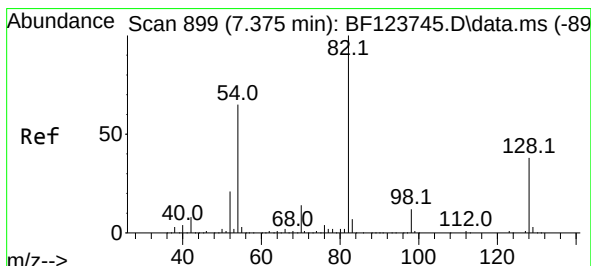
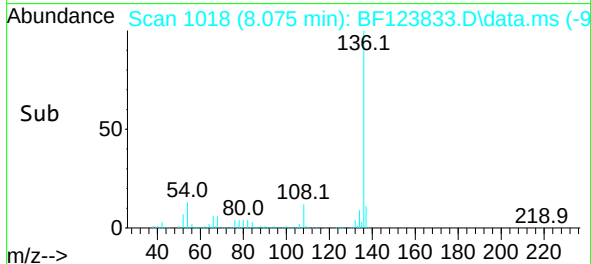
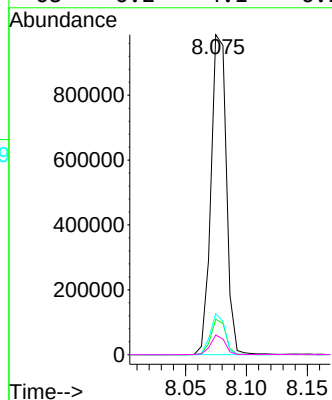
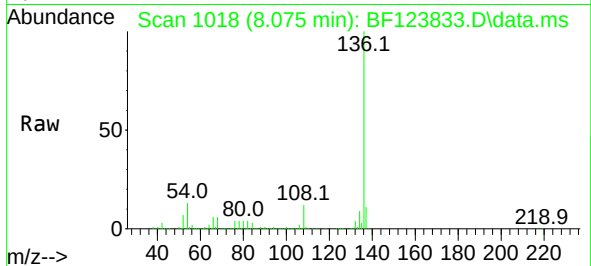




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

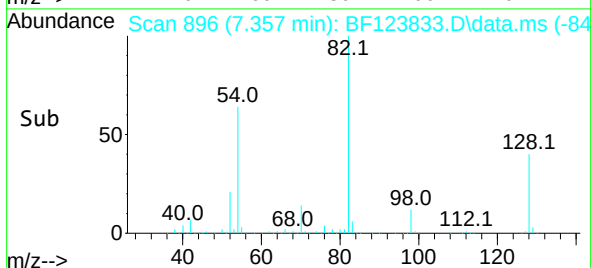
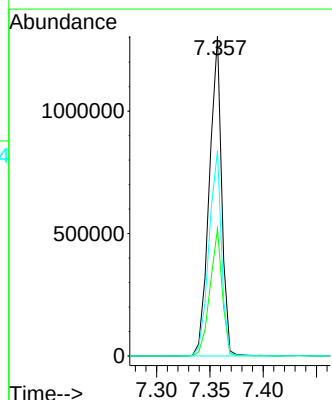
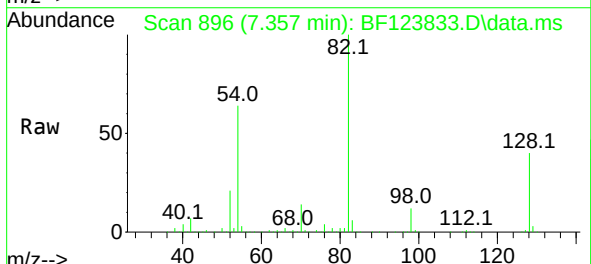
Instrument :
BNA_F
ClientSampleId :
EME-15

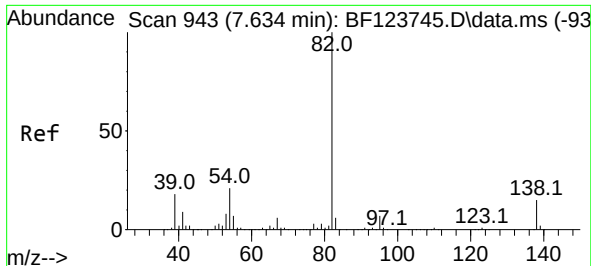
Tgt Ion:136 Resp: 872301
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 12.9 9.8 14.6
68 6.2 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 54.72 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

Tgt Ion: 82 Resp: 1057413
Ion Ratio Lower Upper
82 100
128 39.7 29.4 44.2
54 64.2 54.1 81.1

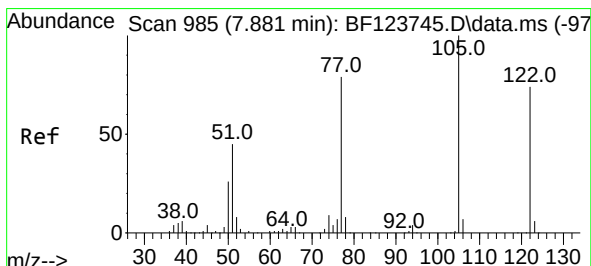
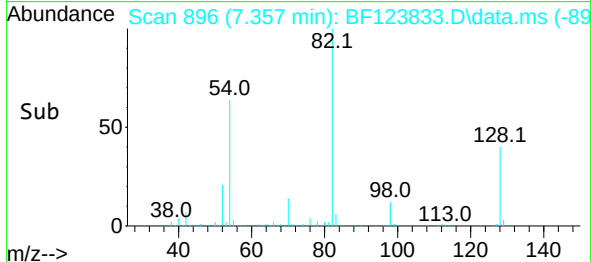
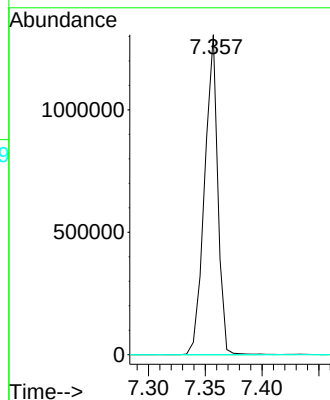
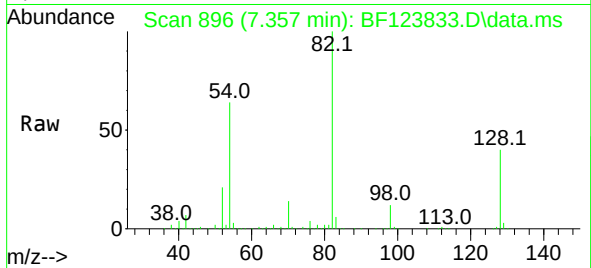




#25
Isophorone
Concen: 29.18 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

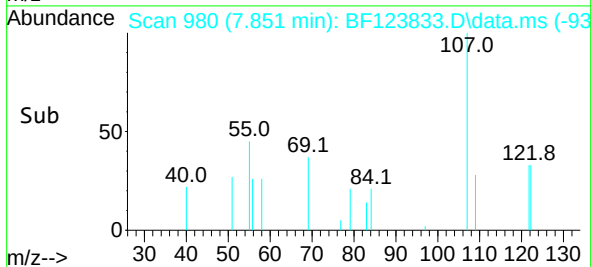
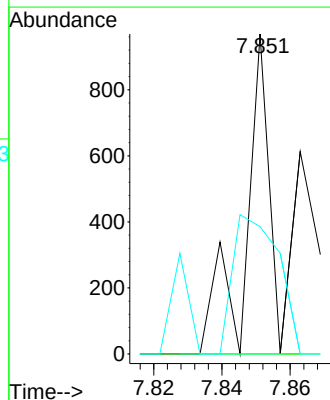
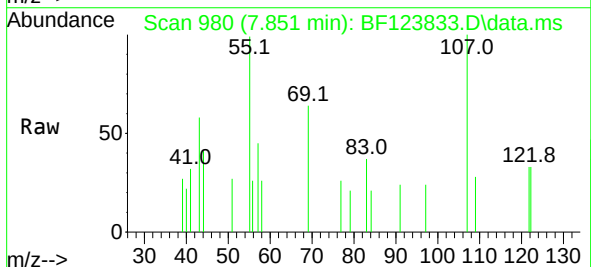
Instrument :
BNA_F
ClientSampled :
EME-15

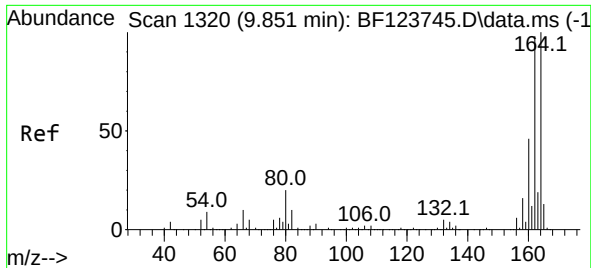
Tgt Ion: 82 Resp: 1057400
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 5.44 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

Tgt Ion: 122 Resp: 461
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 39.7 81.6 121.6#

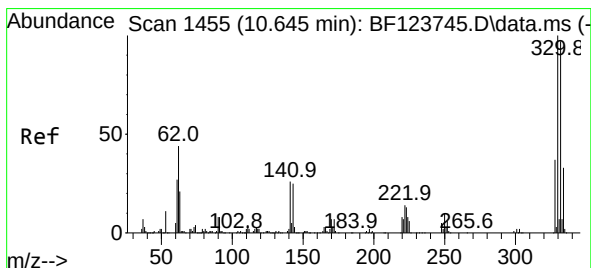
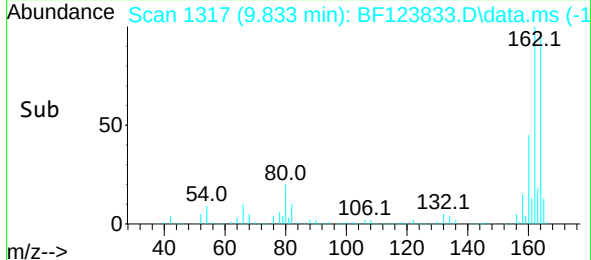
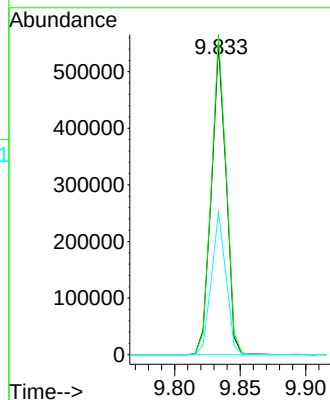
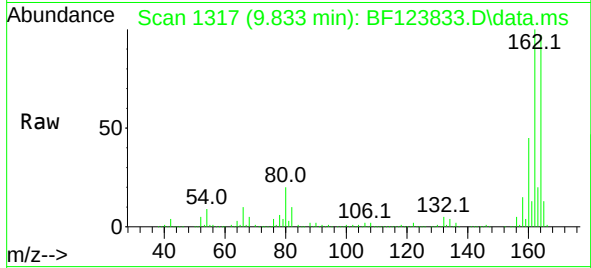




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

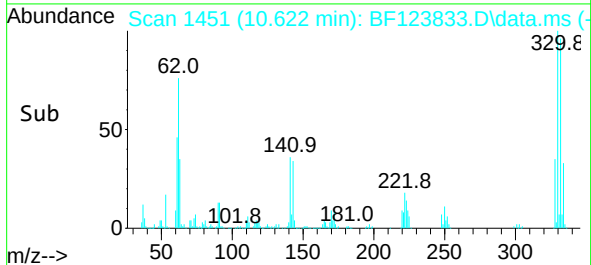
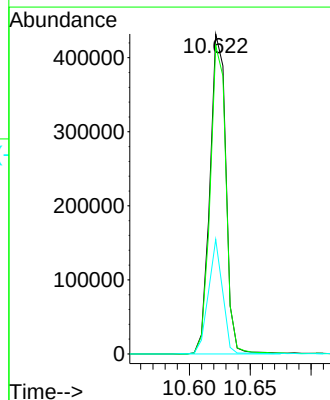
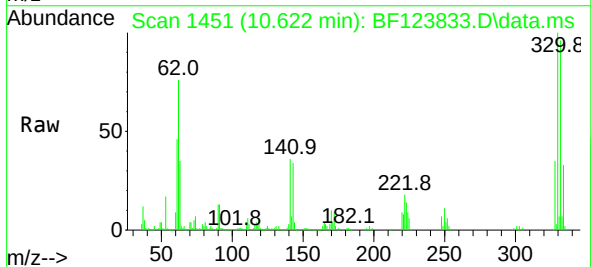
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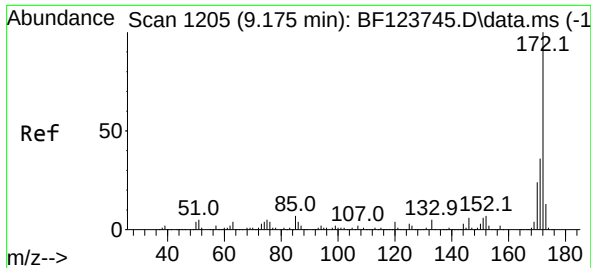
Tgt Ion:164 Resp: 430352
Ion Ratio Lower Upper
164 100
162 103.1 80.7 121.1
160 46.0 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 73.44 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

Tgt Ion:330 Resp: 393441
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 31.9 27.9 41.9

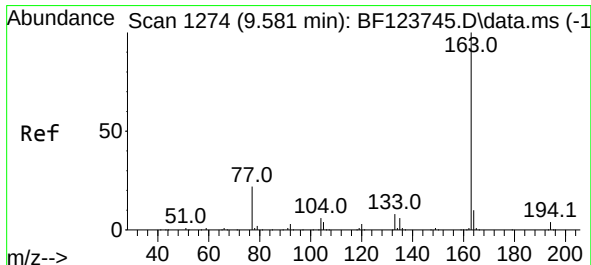
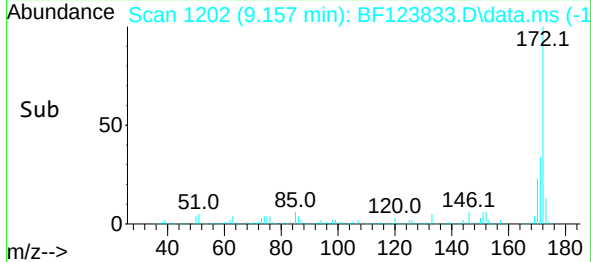
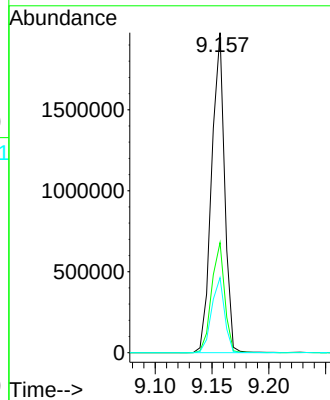
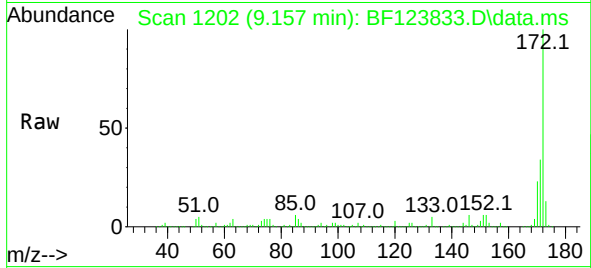




#45
2-Fluorobiphenyl
Concen: 53.13 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

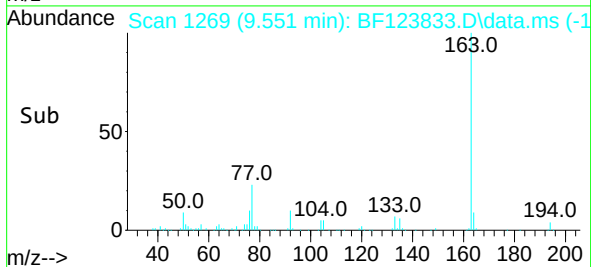
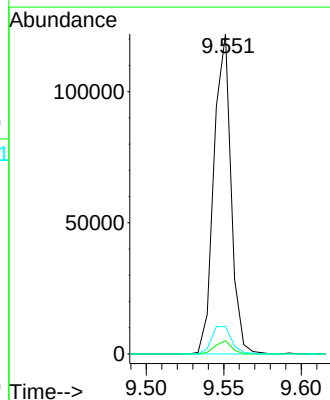
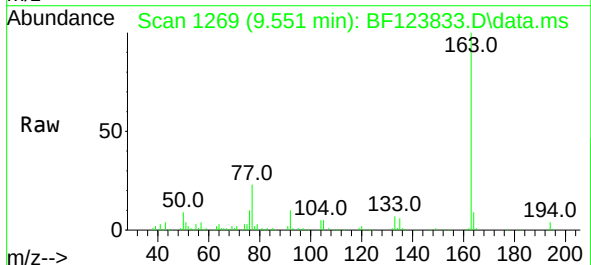
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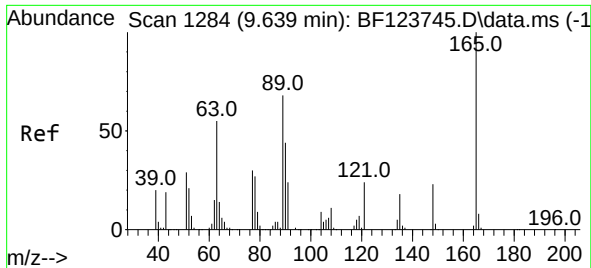
Tgt Ion:172 Resp: 1570091
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.4 19.2 28.8



#50
Dimethylphthalate
Concen: 3.09 ng
RT: 9.551 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

Tgt Ion:163 Resp: 93763
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 8.6 8.2 12.2

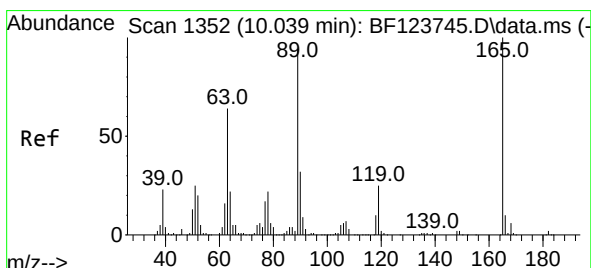
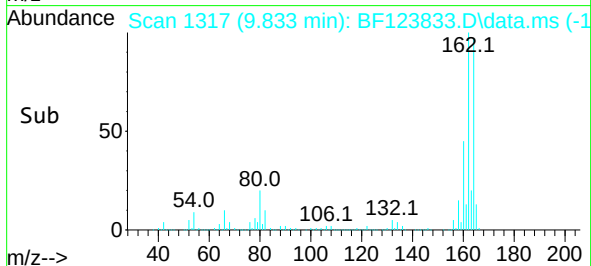
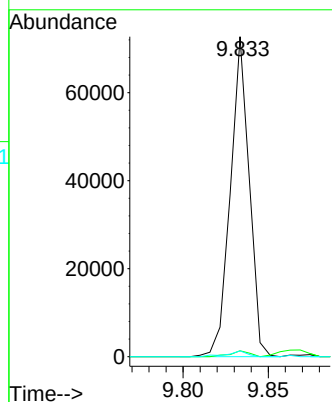
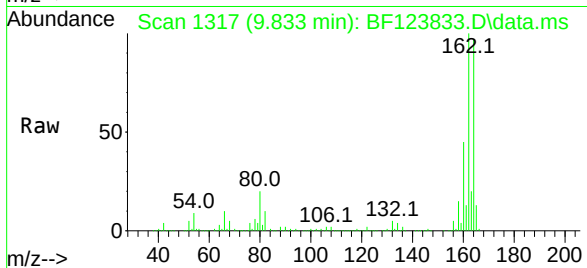




#51
2,6-Dinitrotoluene
Concen: 8.00 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

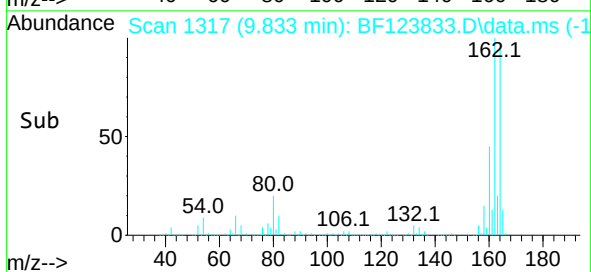
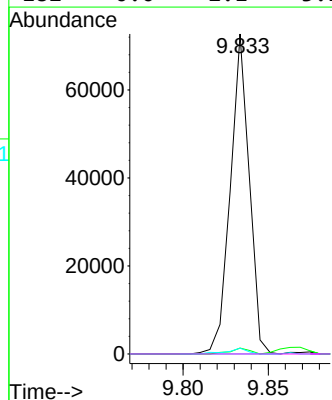
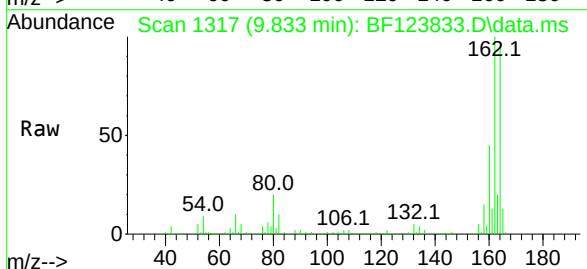
Instrument :
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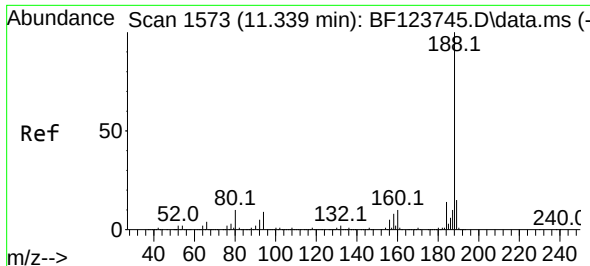
Tgt Ion:165 Resp: 56097
Ion Ratio Lower Upper
165 100
63 1.9 67.7 101.5#
89 1.8 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.87 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.200 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

Tgt Ion:165 Resp: 56097
Ion Ratio Lower Upper
165 100
63 1.9 43.5 65.3#
89 1.8 67.7 101.5#
182 0.0 2.1 3.1#

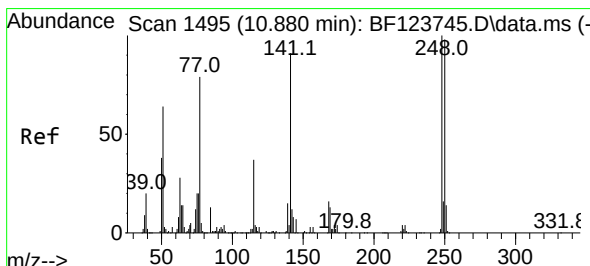
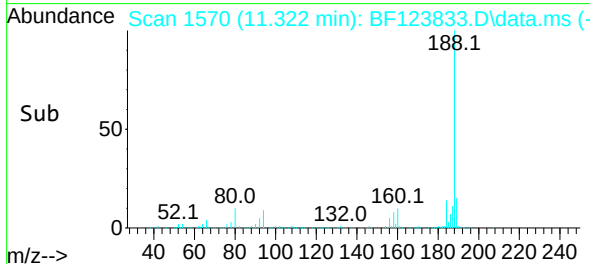
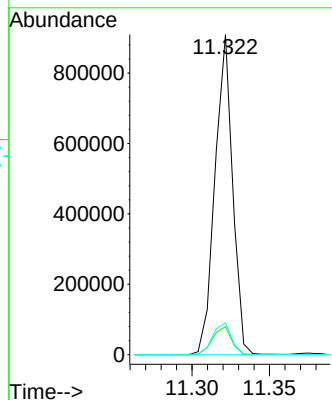
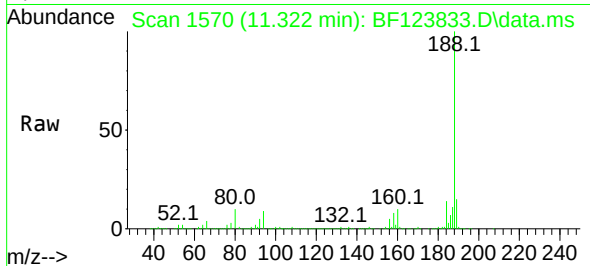




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

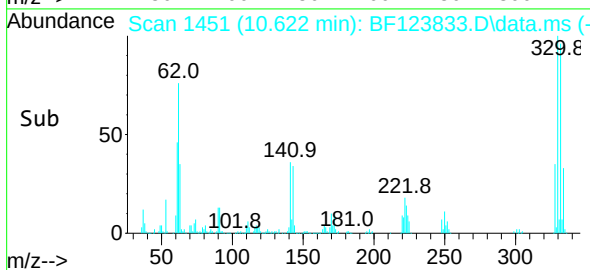
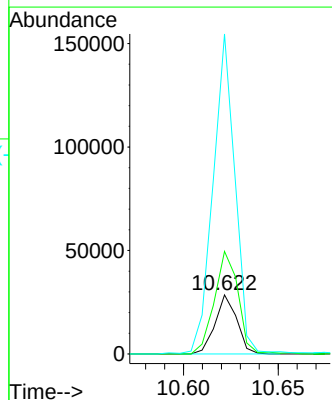
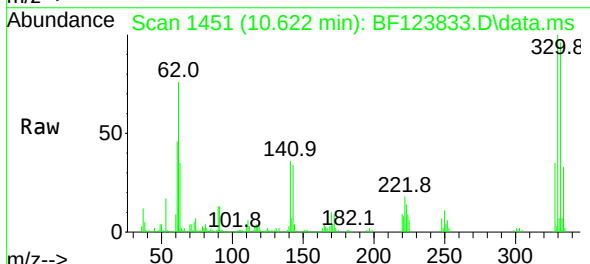
Instrument :
BNA_F
ClientSampleId :
EME-15

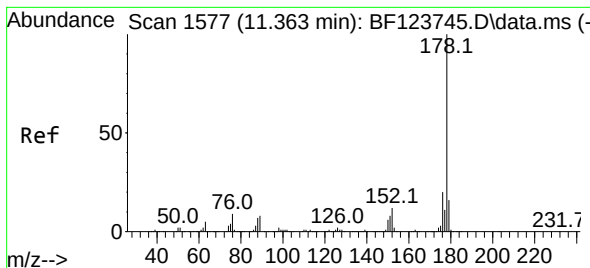
Tgt Ion:188 Resp: 718744
Ion Ratio Lower Upper
188 100
94 8.7 6.9 10.3
80 9.9 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 2.99 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.253 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

Tgt Ion:248 Resp: 22649
Ion Ratio Lower Upper
248 100
250 173.9 77.4 116.2#
141 542.5 63.7 95.5#

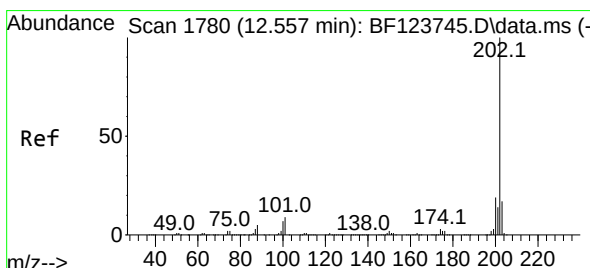
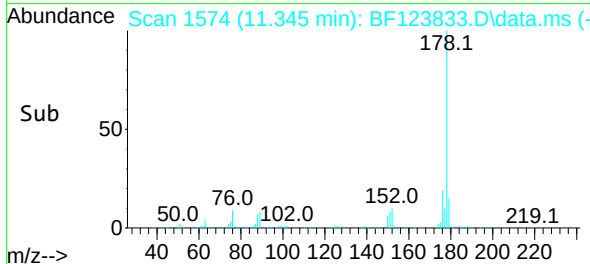
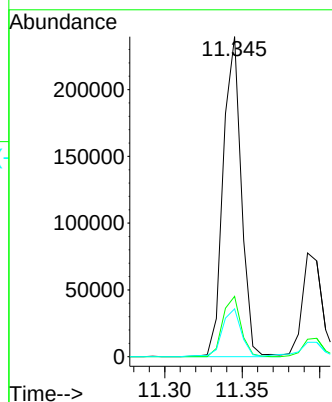
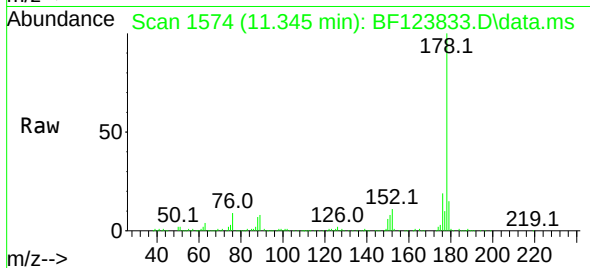




#71
Phenanthrene
Concen: 5.17 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

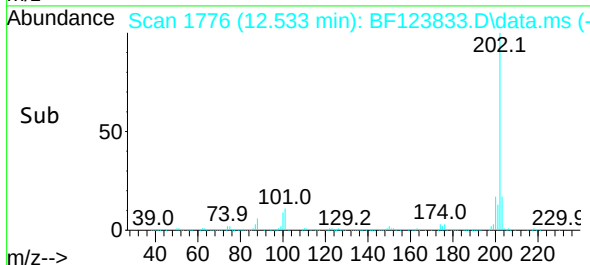
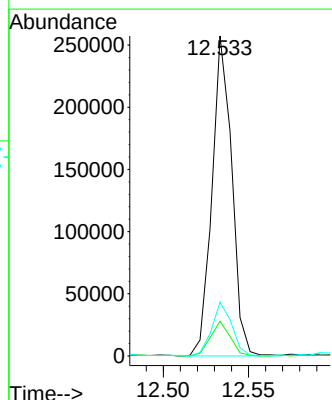
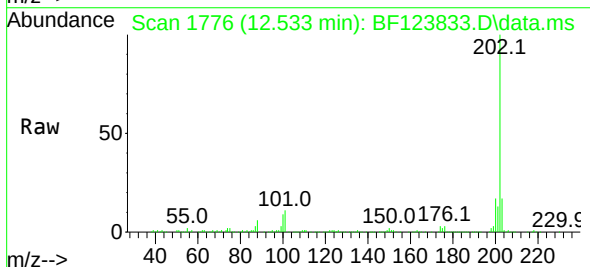
Instrument :
BNA_F
ClientSampleId :
EME-15

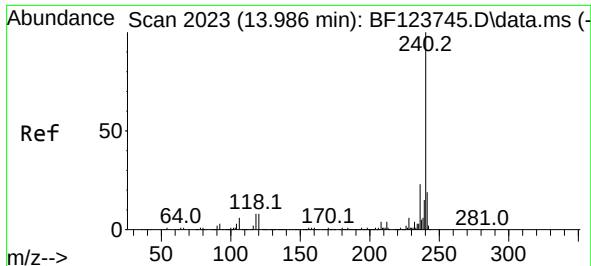
Tgt Ion:178 Resp: 194731
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.0 12.5 18.7



#75
Fluoranthene
Concen: 5.07 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

Tgt Ion:202 Resp: 208427
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.9
203 16.8 0.0 37.5

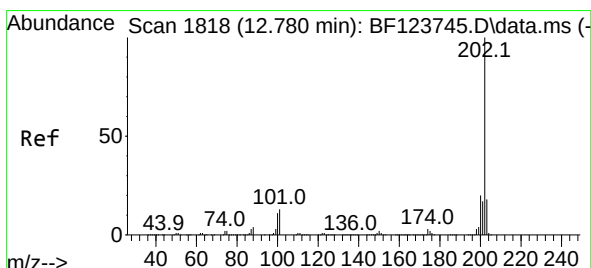
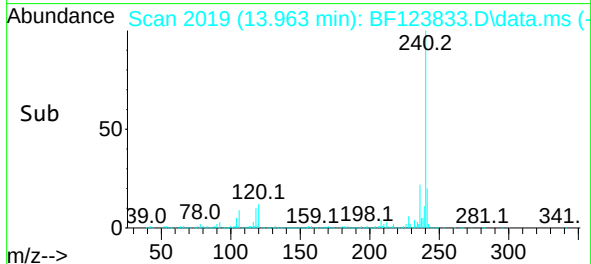
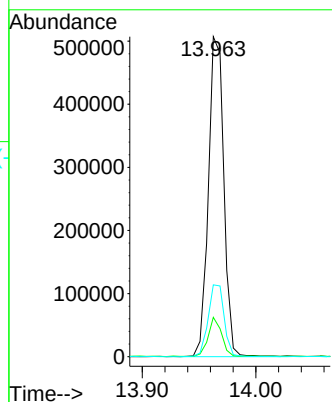
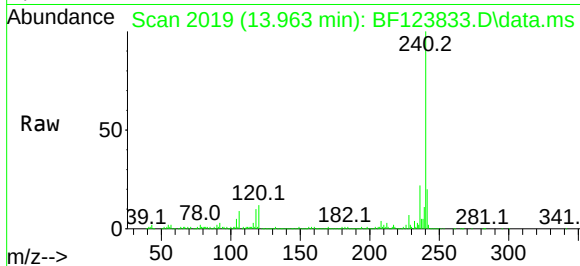




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

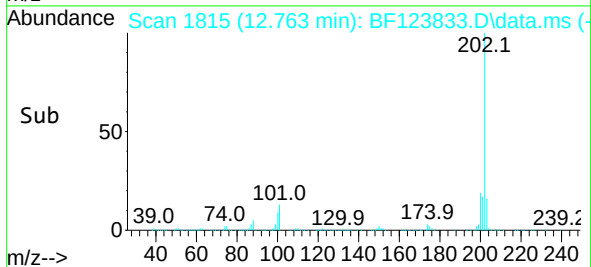
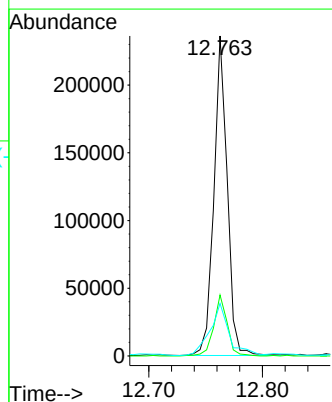
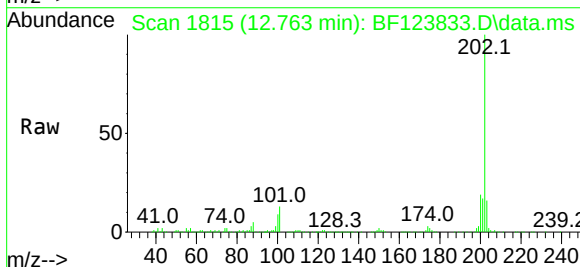
Instrument :
BNA_F
ClientSampled :
EME-15

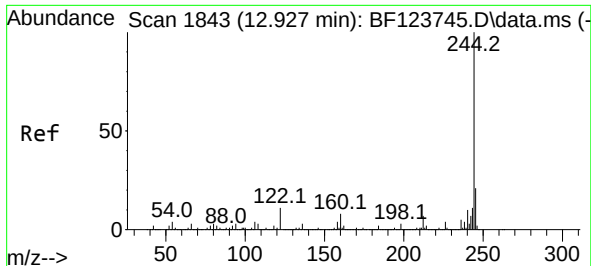
Tgt Ion:240 Resp: 477788
Ion Ratio Lower Upper
240 100
120 12.3 7.2 10.8#
236 22.4 19.0 28.4



#78
Pyrene
Concen: 5.19 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

Tgt Ion:202 Resp: 192445
Ion Ratio Lower Upper
202 100
200 19.1 16.1 24.1
203 16.4 14.8 22.2

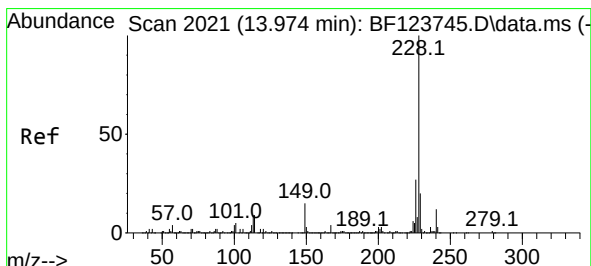
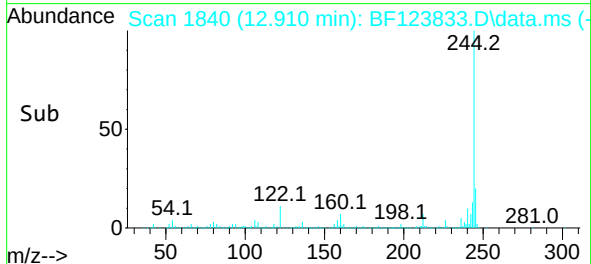
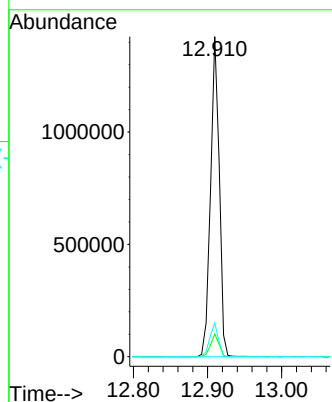
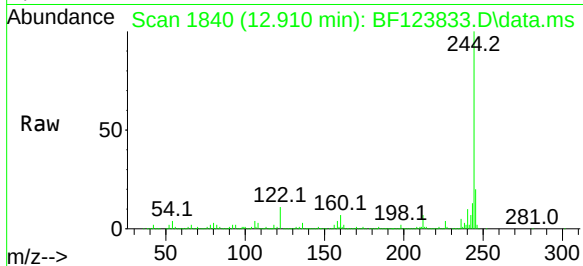




#79
 Terphenyl-d14
 Concen: 46.98 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF123833.D
 Acq: 5 May 2021 18:07

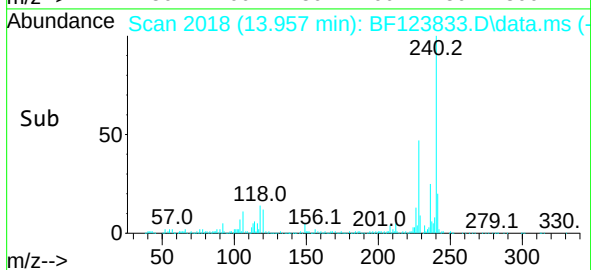
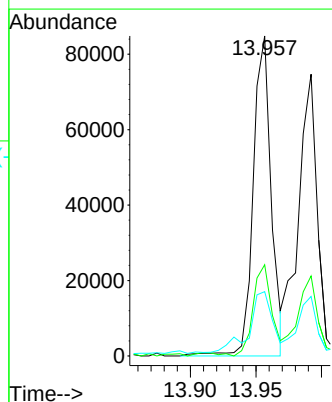
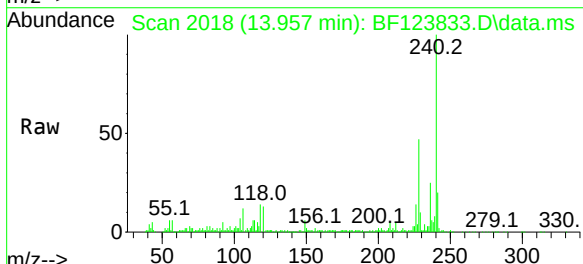
Instrument :
 BNA_F
 ClientSampleId :
 EME-15

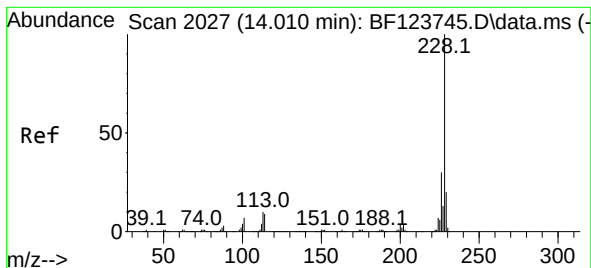
Tgt Ion:244 Resp: 1165685
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 10.6 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 2.79 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF123833.D
 Acq: 5 May 2021 18:07

Tgt Ion:228 Resp: 80873
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.4 33.6
 229 20.1 16.0 24.0





#83

Chrysene

Concen: 2.56 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.012 min

Lab File: BF123833.D

Acq: 5 May 2021 18:07

Tgt Ion:228 Resp: 74672

Ion Ratio Lower Upper

228 100

226 28.4 24.3 36.5

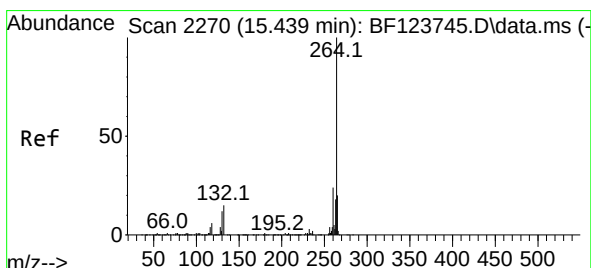
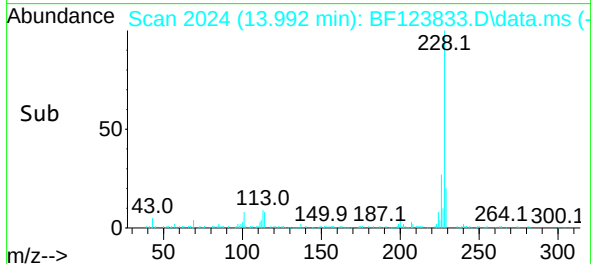
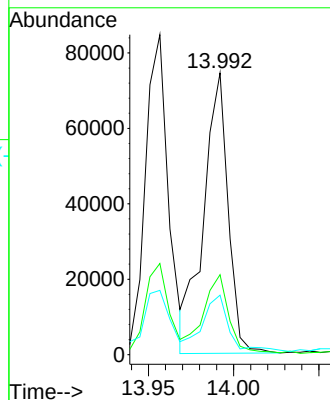
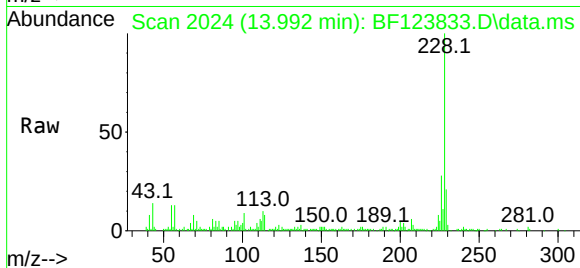
229 21.1 16.2 24.2

Instrument :

BNA_F

ClientSampled :

EME-15



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.006 min

Lab File: BF123833.D

Acq: 5 May 2021 18:07

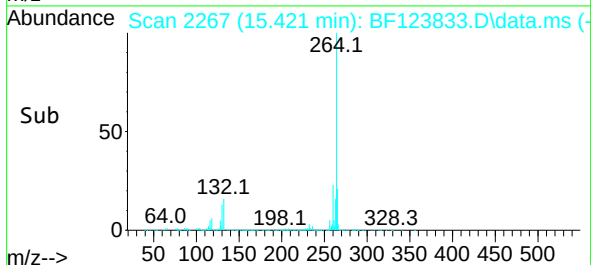
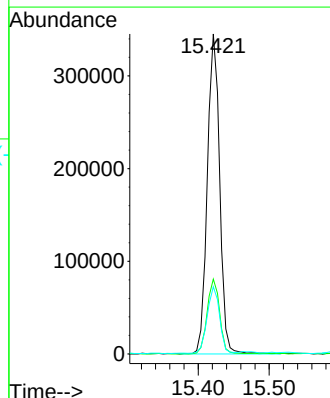
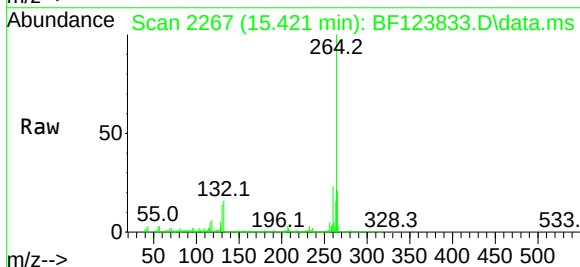
Tgt Ion:264 Resp: 418706

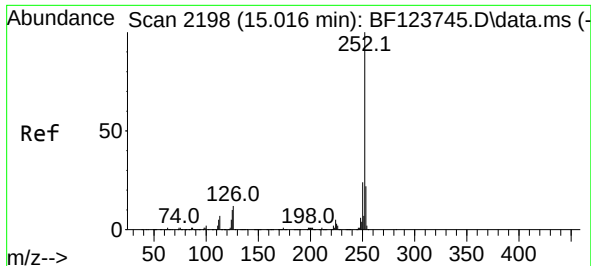
Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.0 17.8 26.8

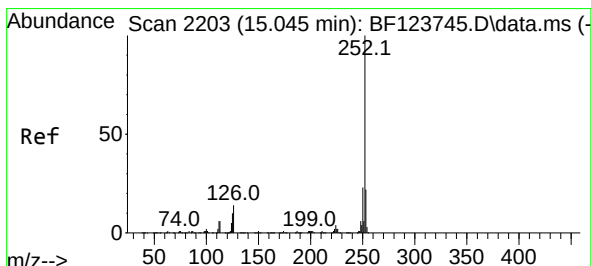
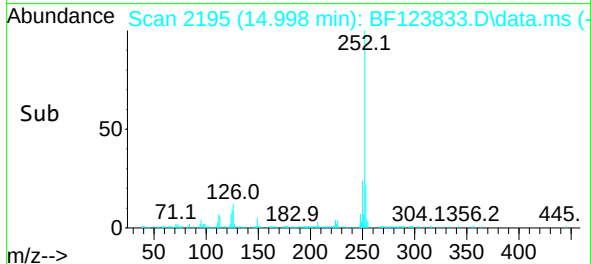
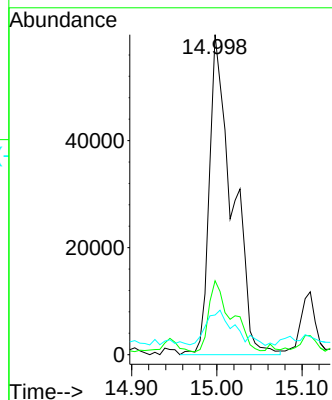
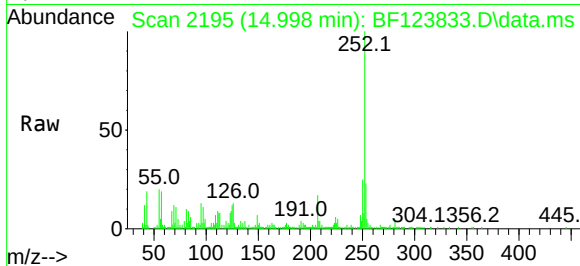




#88
Benzo(b)fluoranthene
Concen: 3.99 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

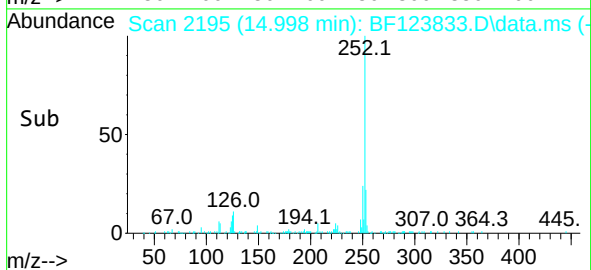
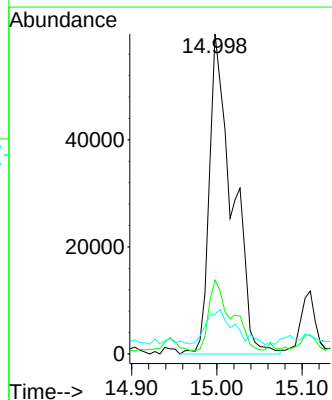
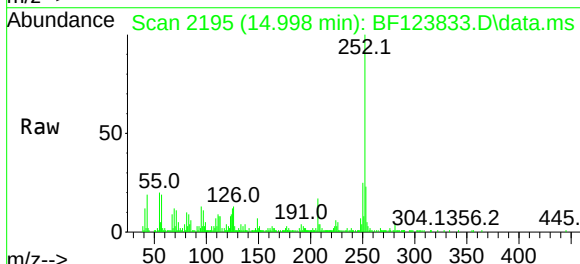
Instrument :
BNA_F
ClientSampled :
EME-15

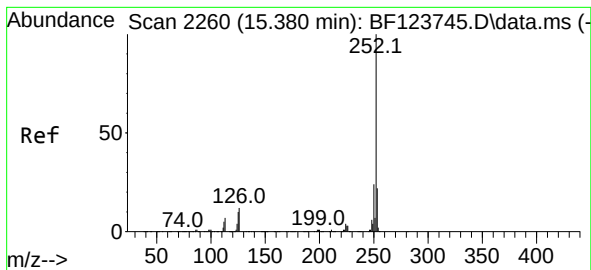
Tgt Ion:252 Resp: 112564
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 12.4 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 4.18 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.041 min
Lab File: BF123833.D
Acq: 5 May 2021 18:07

Tgt Ion:252 Resp: 112564
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 12.4 7.0 10.6#





#90

Benzo(a)pyrene

Concen: 2.58 ng

RT: 15.357 min Scan# 2256

Delta R.T. -0.012 min

Lab File: BF123833.D

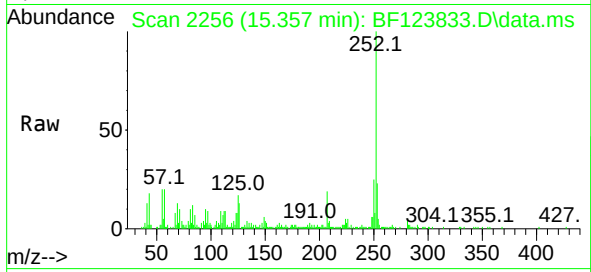
Acq: 5 May 2021 18:07

Instrument :

BNA_F

ClientSampleId :

EME-15



Tgt Ion:252 Resp: 62320

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

125 16.6 8.0 12.0#

