

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050521\
 Data File : BF123841.D
 Acq On : 5 May 2021 22:22
 Operator : JU/CG
 Sample : M2279-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-13

Quant Time: May 06 00:52:08 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

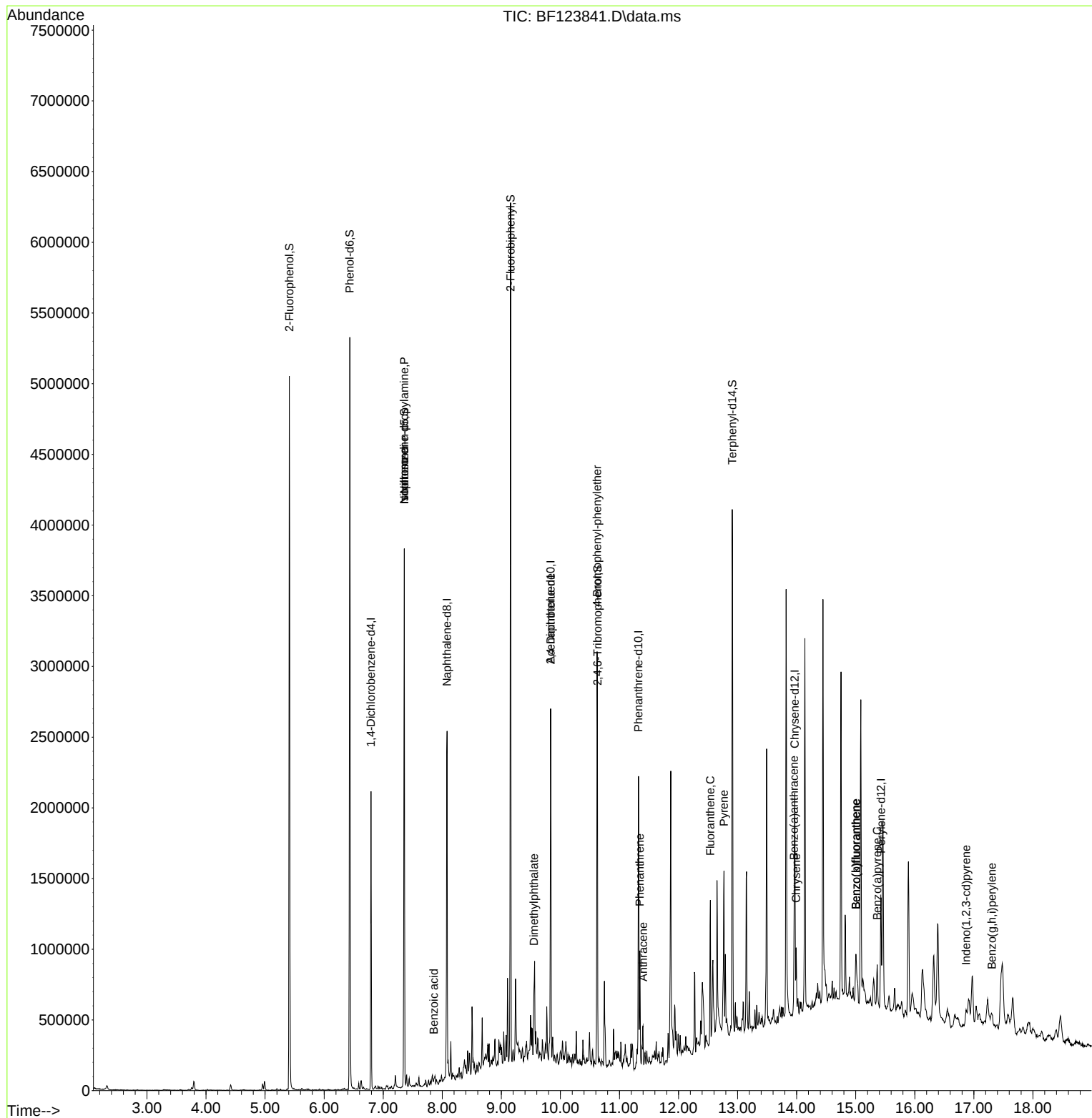
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	262007	20.00	ng	0.00
21) Naphthalene-d8	8.081	136	990256	20.00	ng	0.00
39) Acenaphthene-d10	9.833	164	442688	20.00	ng	0.00
64) Phenanthrene-d10	11.322	188	695511	20.00	ng	0.00
76) Chrysene-d12	13.969	240	474272	20.00	ng	0.00
86) Perylene-d12	15.427	264	348248	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1141350	69.01	ng	0.00
7) Phenol-d6	6.434	99	1496049	65.67	ng	0.00
23) Nitrobenzene-d5	7.357	82	1021865	46.58	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	328685	59.64	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1540683	50.68	ng	0.00
79) Terphenyl-d14	12.910	244	1212713	49.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.357	70	135296	9.62	ng	# 73
25) Isophorone	7.357	82	1017116	24.73	ng	# 69
32) Benzoic acid	7.857	122	2618	5.62	ng	# 36
50) Dimethylphthalate	9.551	163	78882	2.53	ng	# 95
57) 2,4-Dinitrotoluene	9.833	165	55575	5.65	ng	# 18
67) 4-Bromophenyl-phenylether	10.622	248	18024	2.46	ng	# 1
71) Phenanthrene	11.345	178	263708	7.23	ng	98
72) Anthracene	11.398	178	86733	2.39	ng	98
75) Fluoranthene	12.539	202	391881	9.85	ng	99
78) Pyrene	12.769	202	458085	12.44	ng	99
81) Benzo(a)anthracene	13.957	228	193501	6.73	ng	97
83) Chrysene	13.992	228	173116	5.99	ng	96
87) Indeno(1,2,3-cd)pyrene	16.868	276	61356	3.03	ng	96
88) Benzo(b)fluoranthene	15.004	252	217501	9.27	ng	# 94
89) Benzo(k)fluoranthene	15.004	252	217501	9.71	ng	# 95
90) Benzo(a)pyrene	15.363	252	124892	6.22	ng	# 94
92) Benzo(g,h,i)perylene	17.304	276	62755	3.66	ng	# 94

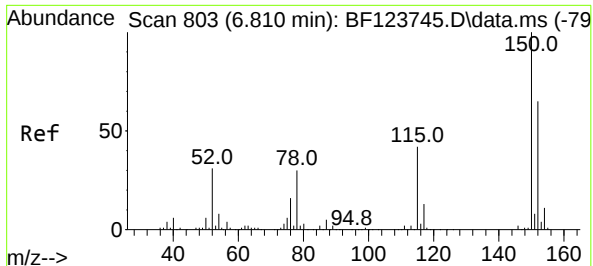
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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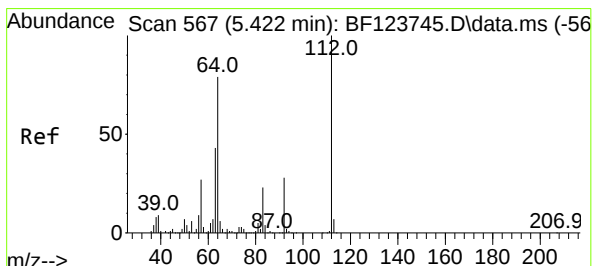
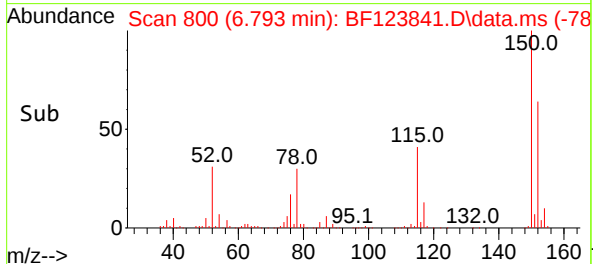
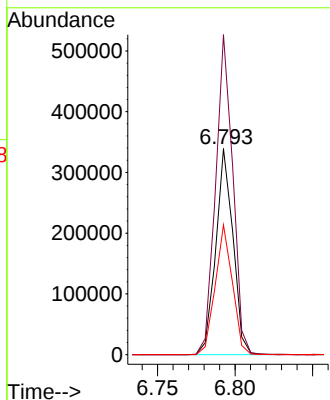
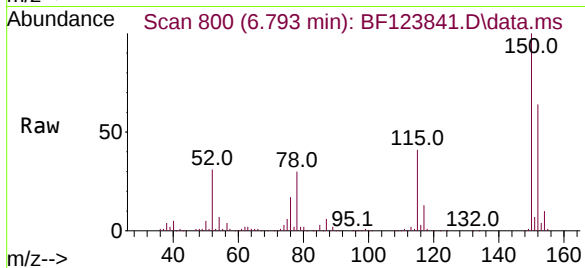




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.793 min Scan# 800
Delta R.T. -0.005 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

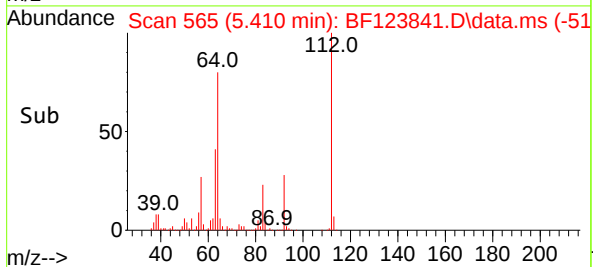
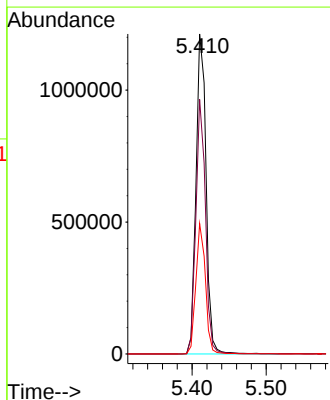
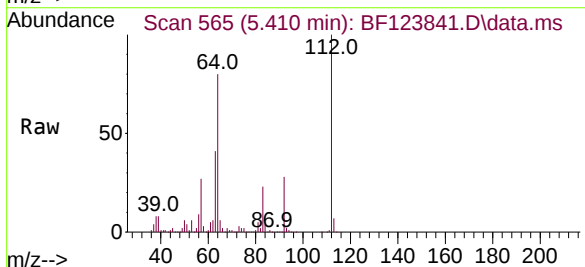
Instrument :
BNA_F
ClientSampleId :
EME-13

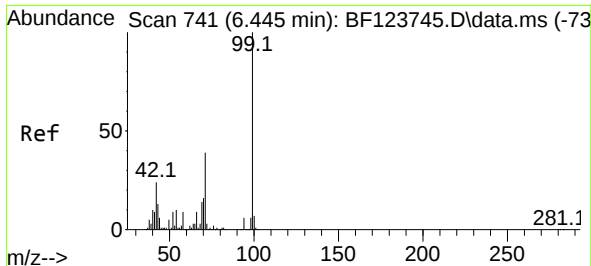
Tgt Ion:152 Resp: 262007
Ion Ratio Lower Upper
152 100
150 155.3 127.0 190.6
115 63.0 54.3 81.5



#5
2-Fluorophenol
Concen: 69.01 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.000 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

Tgt Ion:112 Resp: 1141350
Ion Ratio Lower Upper
112 100
64 79.6 61.4 92.0
63 40.7 33.0 49.4

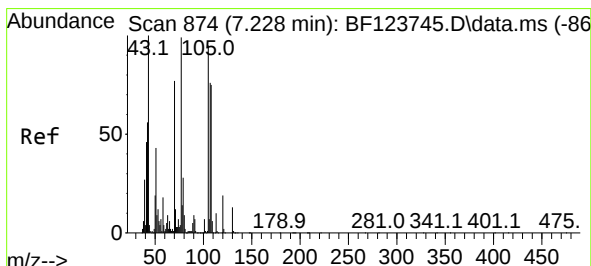
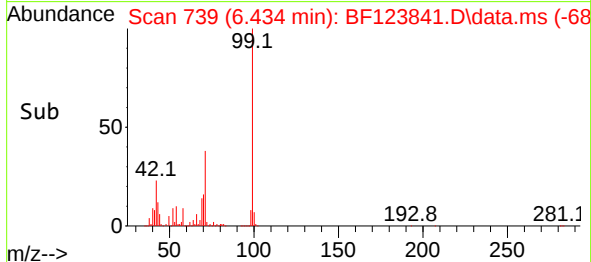
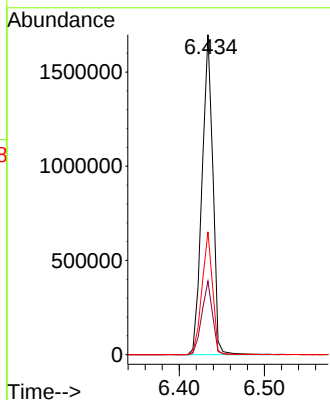
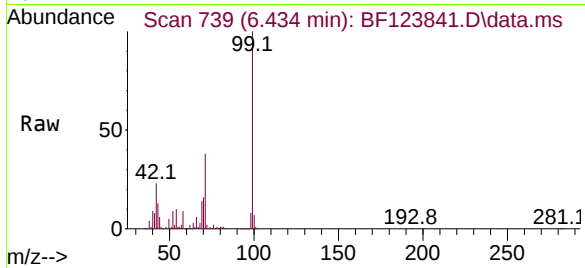




#7
Phenol-d6
Concen: 65.67 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

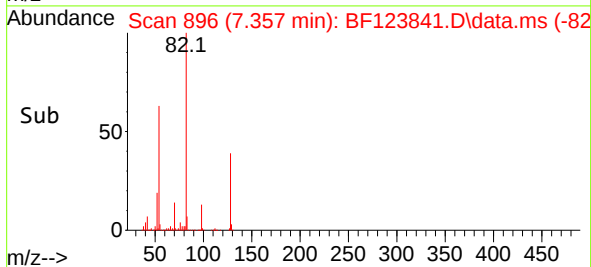
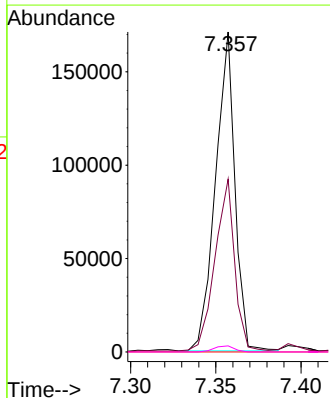
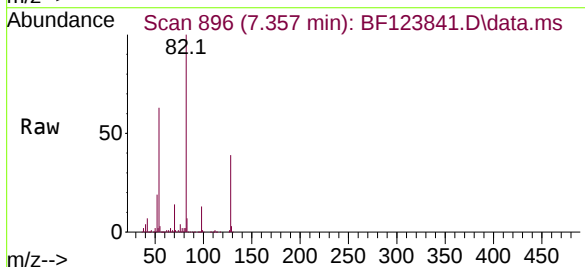
Instrument :
BNA_F
ClientSampleId :
EME-13

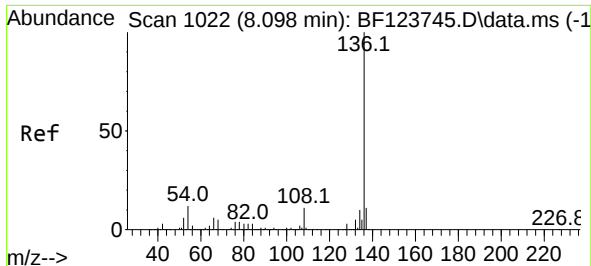
Tgt Ion: 99 Resp: 1496049
Ion Ratio Lower Upper
99 100
42 23.0 19.8 29.8
71 38.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 9.62 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

Tgt Ion: 70 Resp: 135296
Ion Ratio Lower Upper
70 100
42 54.0 60.1 90.1#
101 0.0 7.4 11.2#
130 1.9 14.2 21.2#



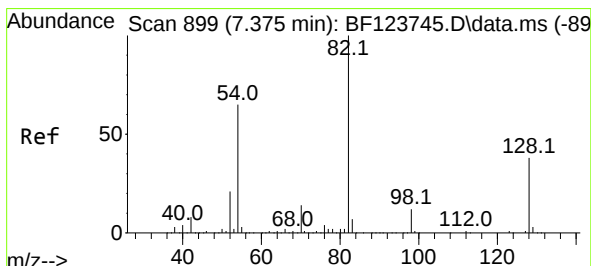
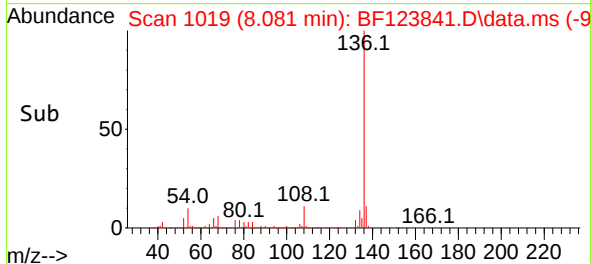
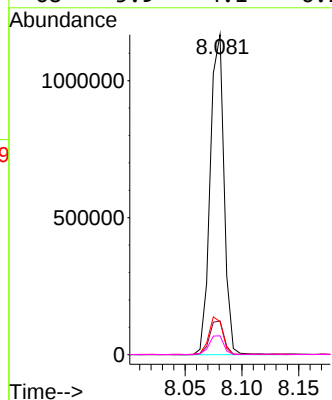
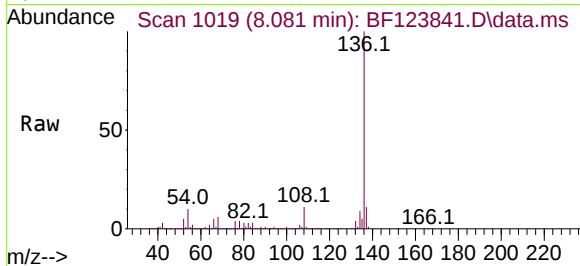


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

Instrument :
BNA_F
ClientSampled :
EME-13

Tgt Ion:136 Resp: 990256

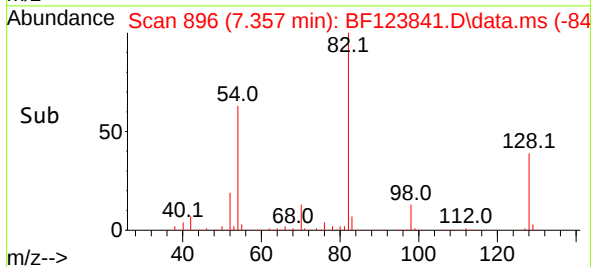
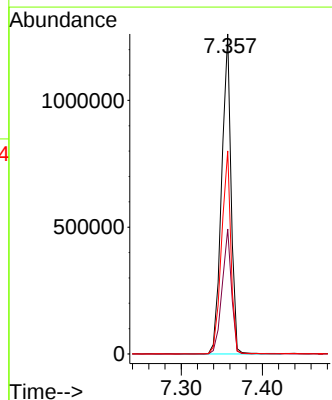
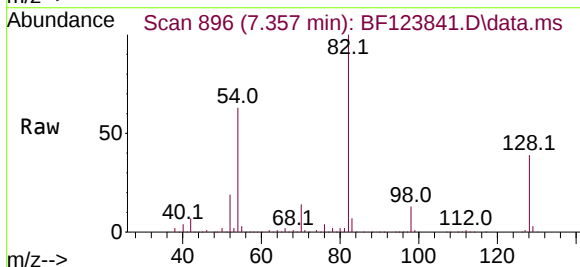
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	10.4	9.8	14.6
68	5.9	4.1	6.1

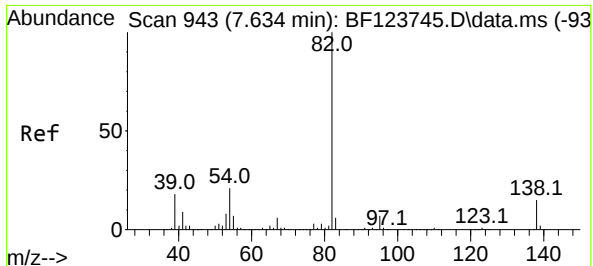


#23
Nitrobenzene-d5
Concen: 46.58 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

Tgt Ion: 82 Resp: 1021865

Ion	Ratio	Lower	Upper
82	100		
128	39.1	29.4	44.2
54	63.4	54.1	81.1

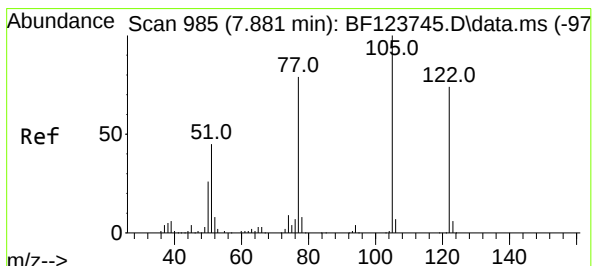
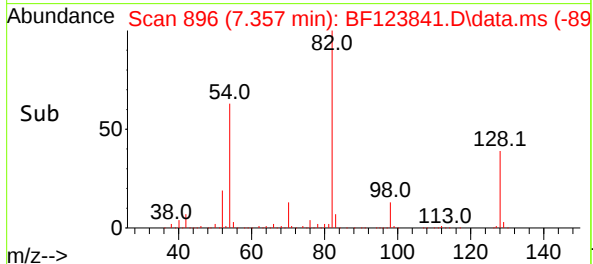
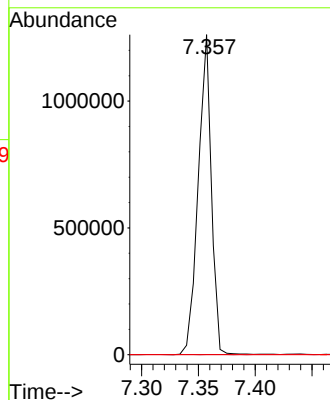
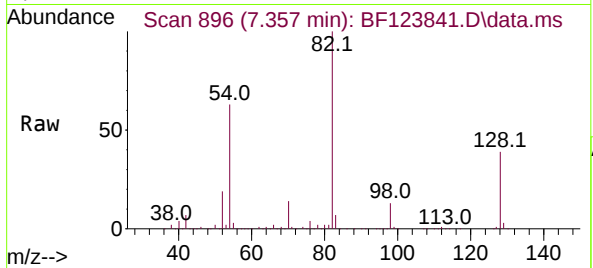




#25
Isophorone
Concen: 24.73 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

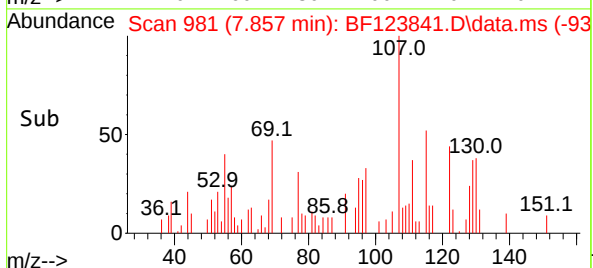
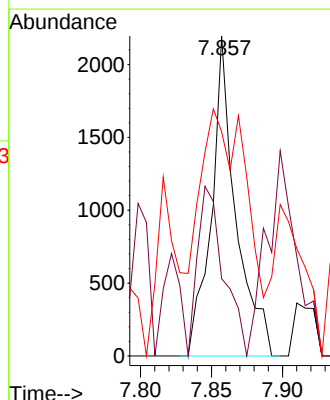
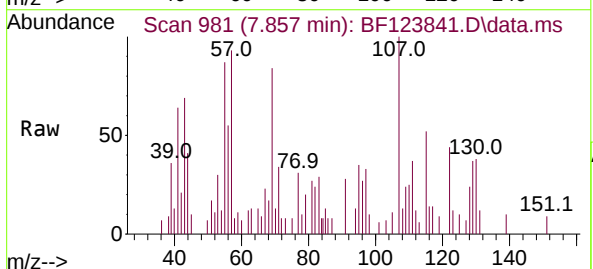
Instrument :
BNA_F
ClientSampleID :
EME-13

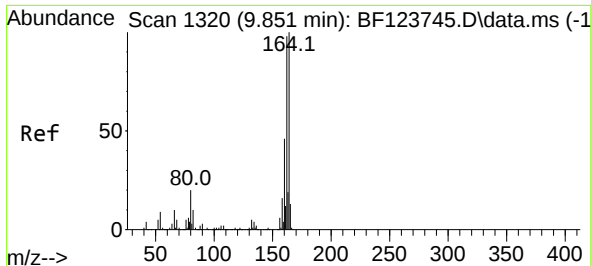
Tgt Ion: 82 Resp: 1017116
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 5.62 ng
RT: 7.857 min Scan# 981
Delta R.T. -0.018 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

Tgt Ion: 122 Resp: 2618
Ion Ratio Lower Upper
122 100
105 24.1 107.8 147.8#
77 70.0 81.6 121.6#

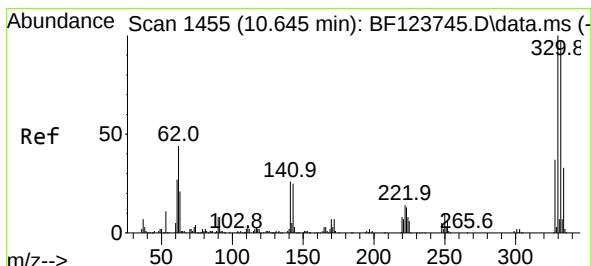
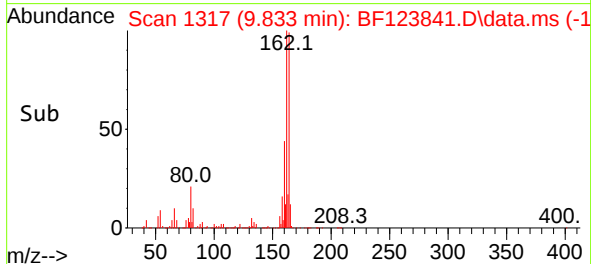
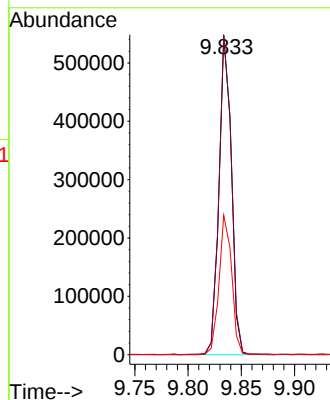
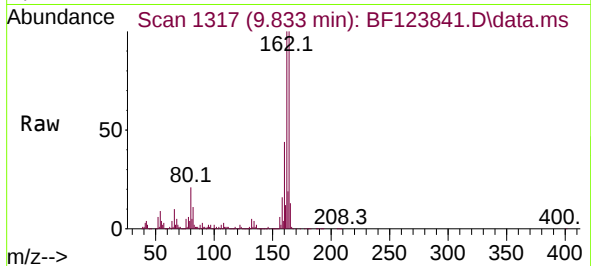




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

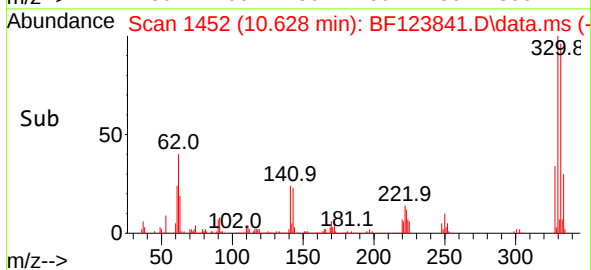
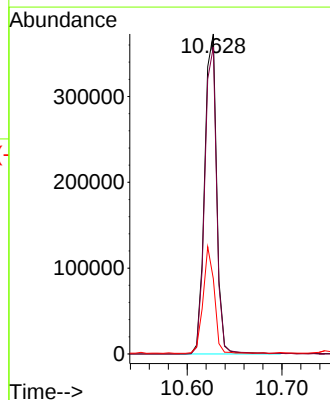
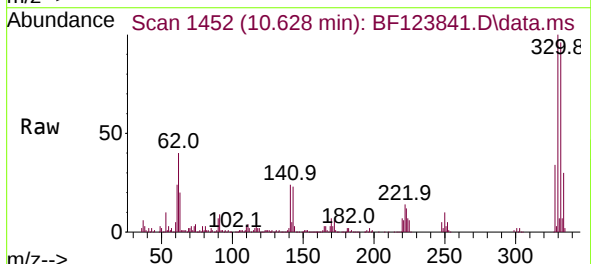
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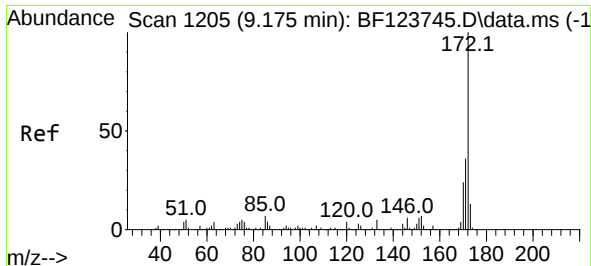
Tgt Ion:164 Resp: 442688
Ion Ratio Lower Upper
164 100
162 100.5 80.7 121.1
160 43.8 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 59.64 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

Tgt Ion:330 Resp: 328685
Ion Ratio Lower Upper
330 100
332 95.5 77.1 115.7
141 30.7 27.9 41.9

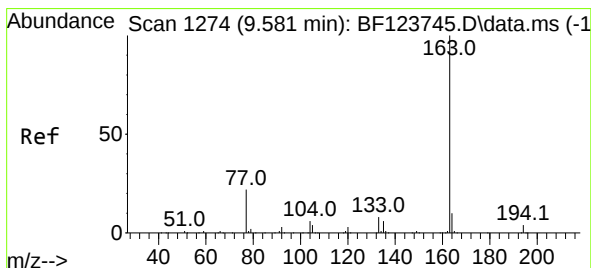
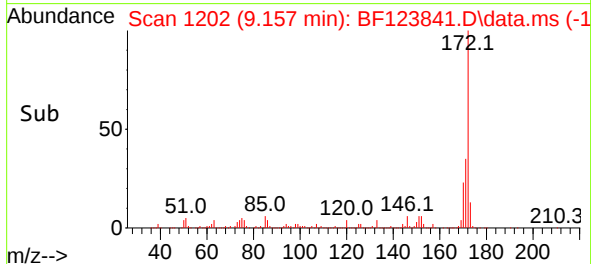
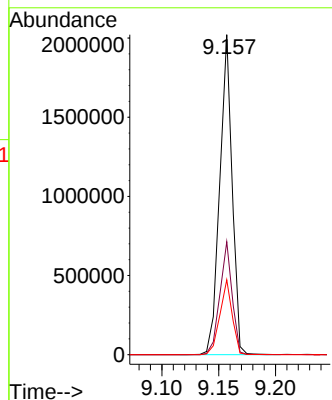
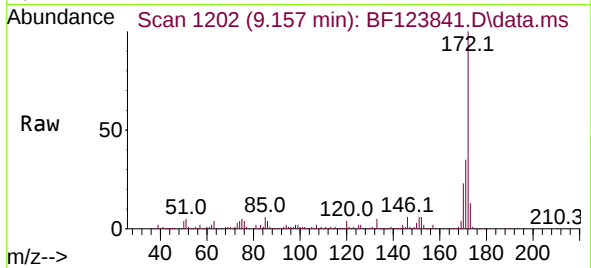




#45
2-Fluorobiphenyl
Concen: 50.68 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

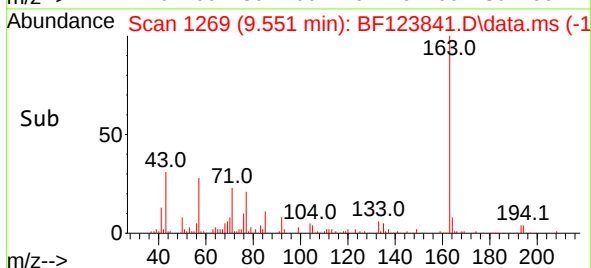
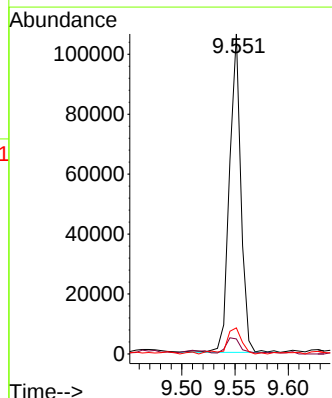
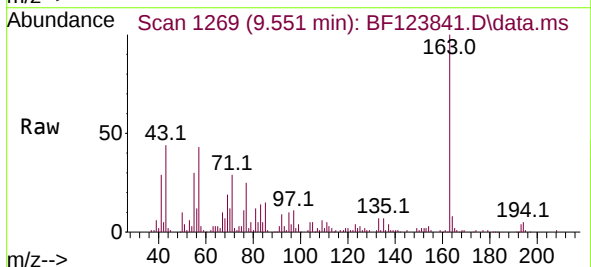
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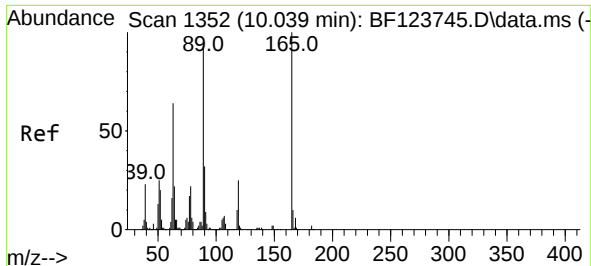
Tgt Ion:172 Resp: 1540683
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.4 19.2 28.8



#50
Dimethylphthalate
Concen: 2.53 ng
RT: 9.551 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

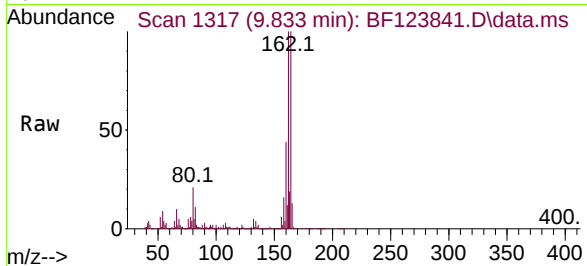
Tgt Ion:163 Resp: 78882
Ion Ratio Lower Upper
163 100
194 4.7 3.1 4.7#
164 8.2 8.2 12.2



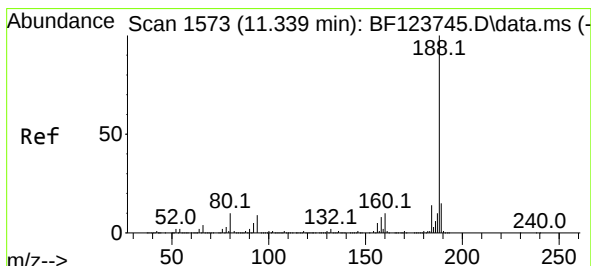
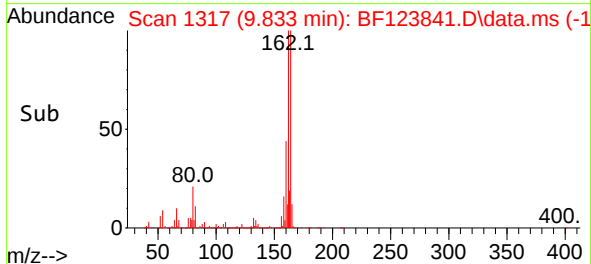
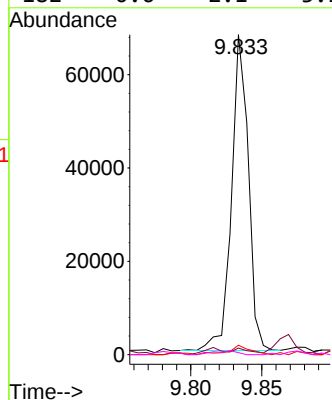


#57
2,4-Dinitrotoluene
Concen: 5.65 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.200 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

Instrument :
BNA_F
ClientSampleId :
EME-13

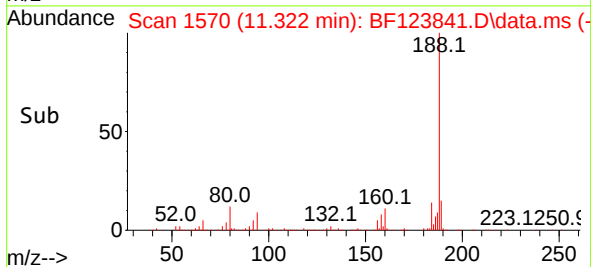
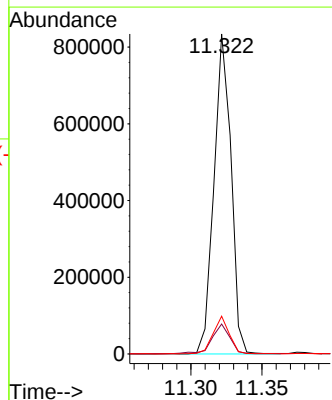
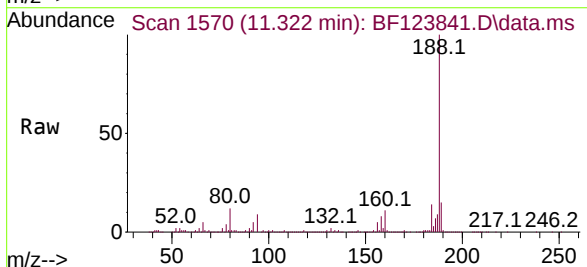


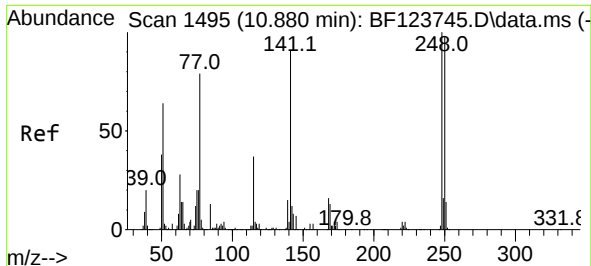
Tgt Ion:165 Resp: 55575
Ion Ratio Lower Upper
165 100
63 2.1 43.5 65.3#
89 2.9 67.7 101.5#
182 0.6 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

Tgt Ion:188 Resp: 695511
Ion Ratio Lower Upper
188 100
94 9.4 6.9 10.3
80 11.8 8.2 12.2

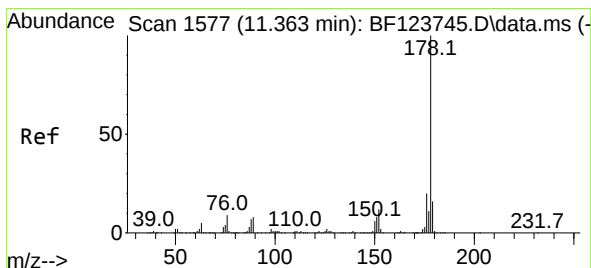
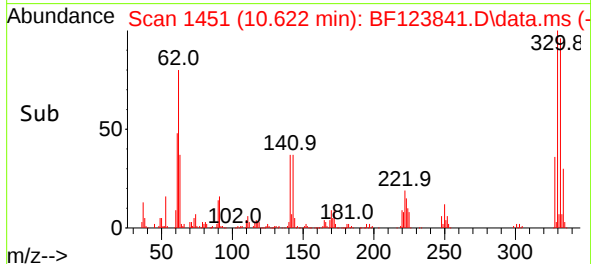
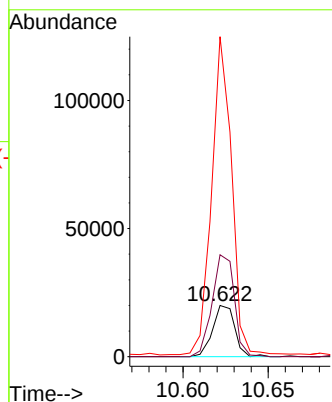
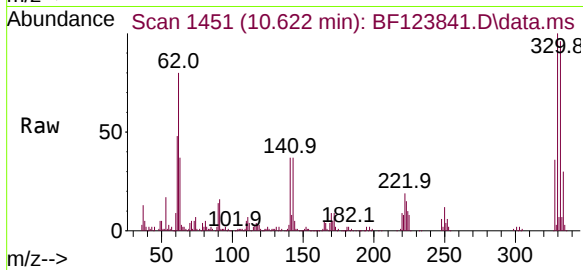




#67
4-Bromophenyl-phenylether
Concen: 2.46 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.253 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

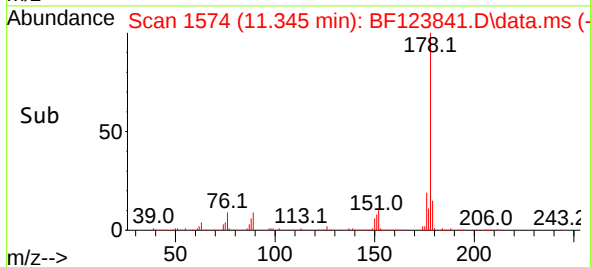
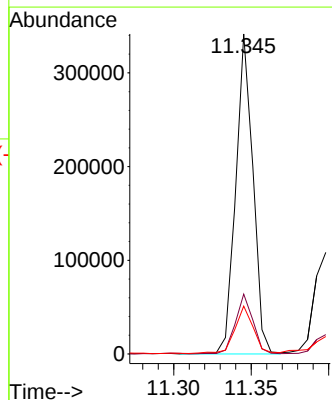
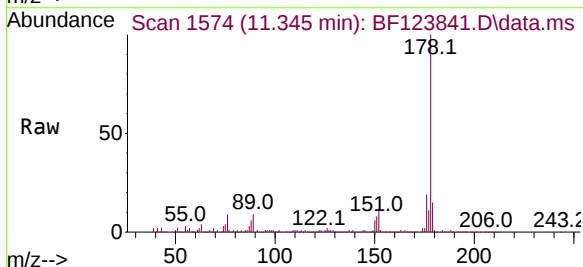
Instrument :
BNA_F
ClientSampleId :
EME-13

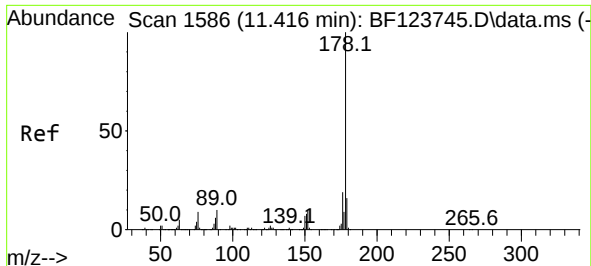
Tgt Ion:248 Resp: 18024
Ion Ratio Lower Upper
248 100
250 199.0 77.4 116.2#
141 624.6 63.7 95.5#



#71
Phenanthrene
Concen: 7.23 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

Tgt Ion:178 Resp: 263708
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.0 12.5 18.7

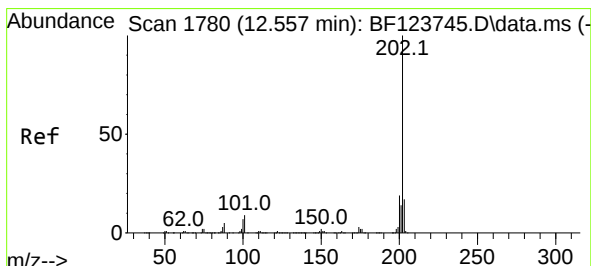
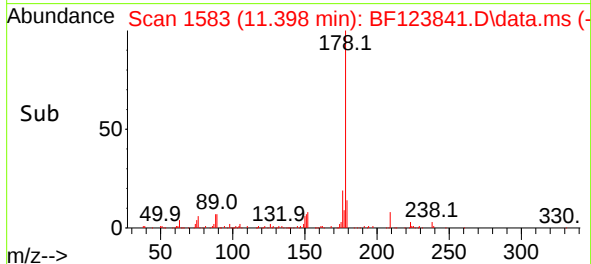
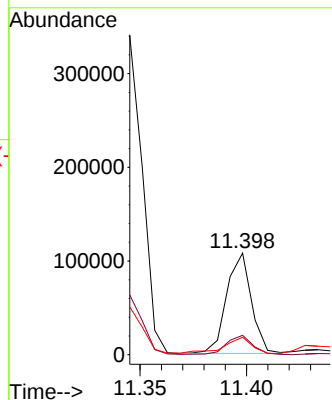
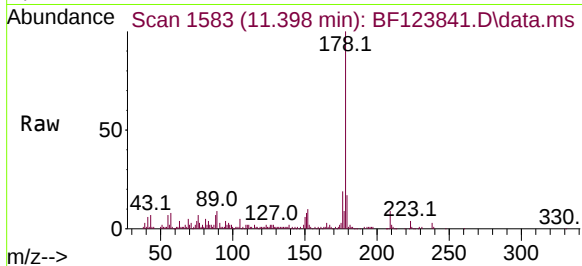




#72
 Anthracene
 Concen: 2.39 ng
 RT: 11.398 min Scan# 1583
 Delta R.T. -0.006 min
 Lab File: BF123841.D
 Acq: 5 May 2021 22:22

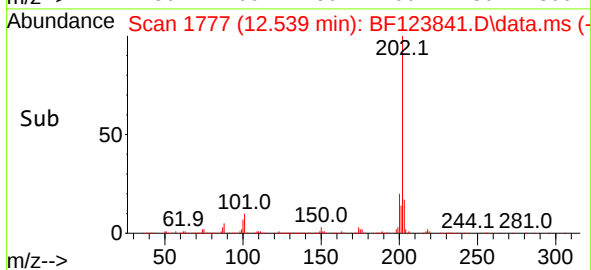
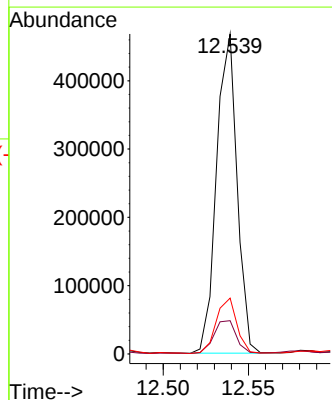
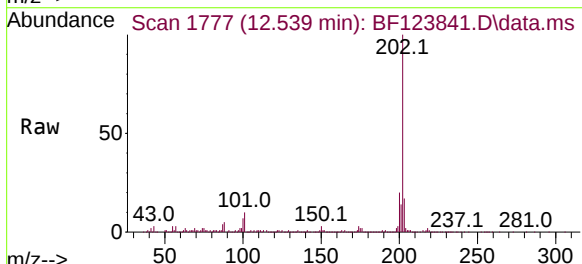
Instrument :
 BNA_F
 ClientSampleId :
 EME-13

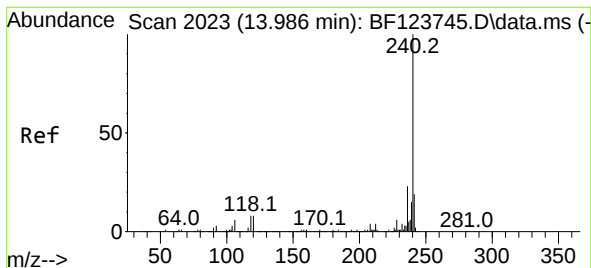
Tgt Ion:178 Resp: 86733
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.0
 179 17.3 12.6 18.8



#75
 Fluoranthene
 Concen: 9.85 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. -0.006 min
 Lab File: BF123841.D
 Acq: 5 May 2021 22:22

Tgt Ion:202 Resp: 391881
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 30.9
 203 17.5 0.0 37.5

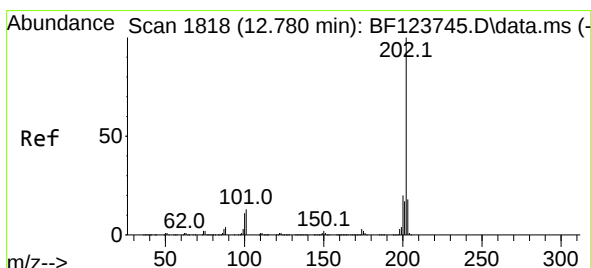
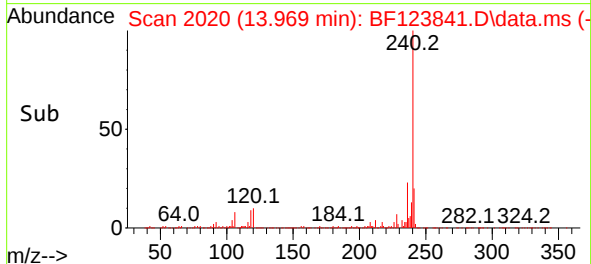
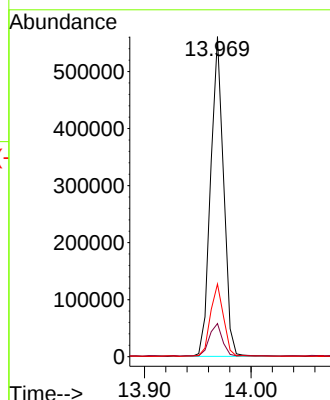
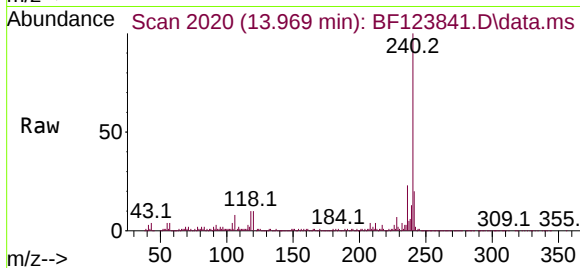




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

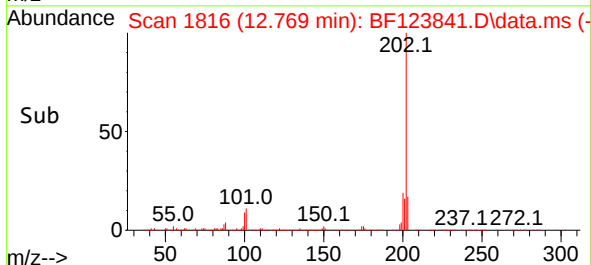
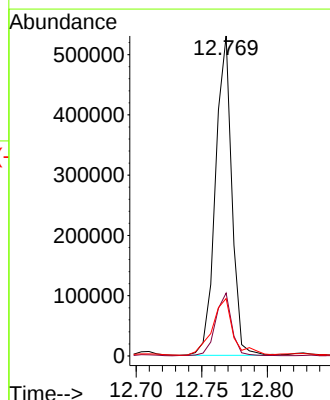
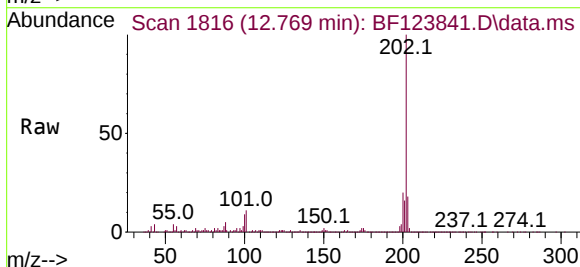
Instrument :
BNA_F
ClientSampleId :
EME-13

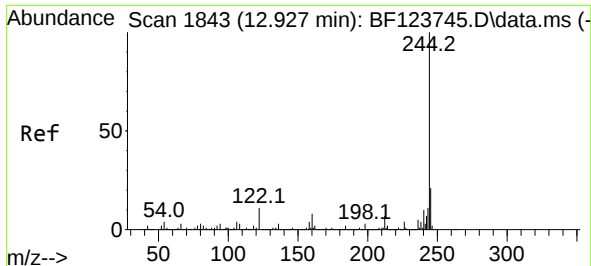
Tgt Ion:240 Resp: 474272
Ion Ratio Lower Upper
240 100
120 10.3 7.2 10.8
236 22.7 19.0 28.4



#78
Pyrene
Concen: 12.44 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

Tgt Ion:202 Resp: 458085
Ion Ratio Lower Upper
202 100
200 19.7 16.1 24.1
203 17.9 14.8 22.2

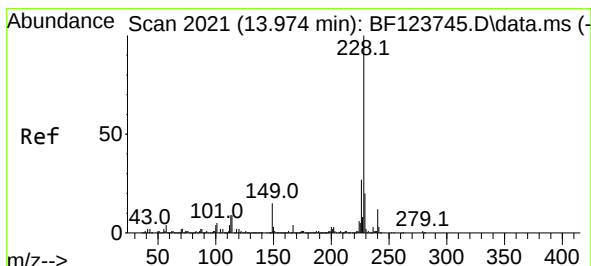
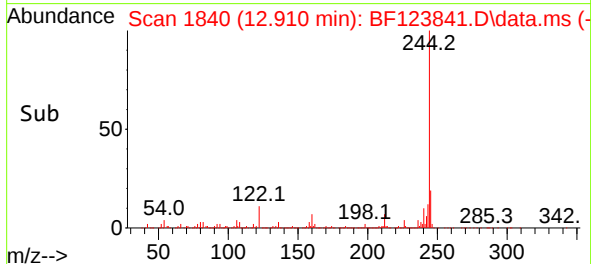
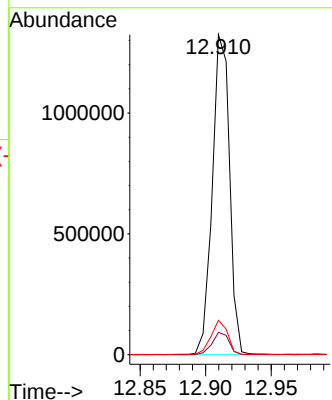
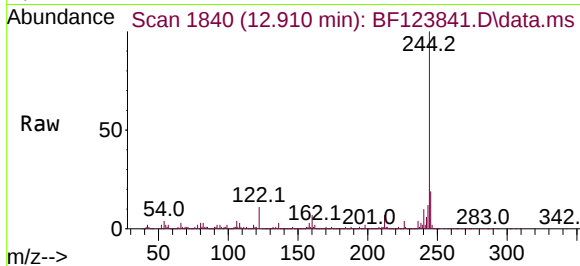




#79
 Terphenyl-d14
 Concen: 49.24 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF123841.D
 Acq: 5 May 2021 22:22

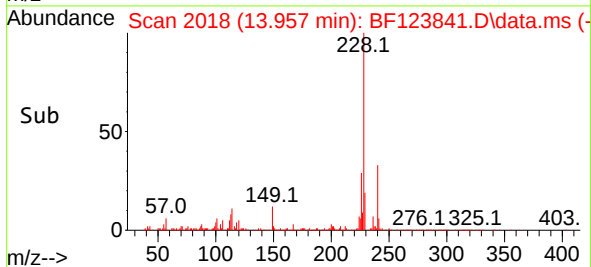
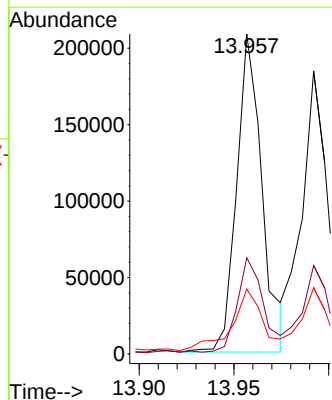
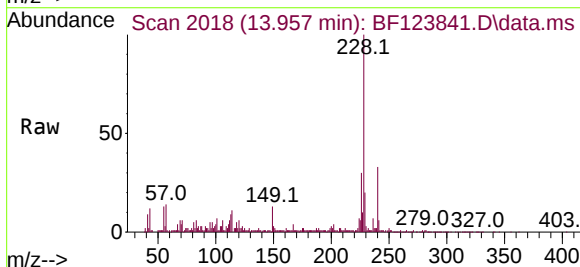
Instrument :
 BNA_F
 ClientSampleId :
 EME-13

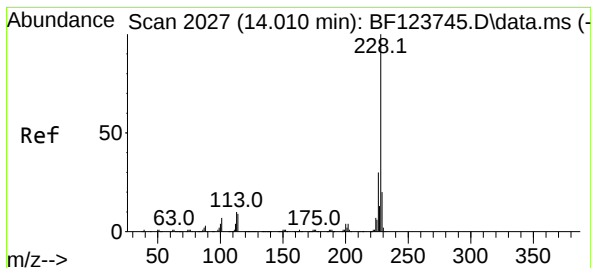
Tgt Ion:244 Resp: 1212713
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 10.7 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 6.73 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF123841.D
 Acq: 5 May 2021 22:22

Tgt Ion:228 Resp: 193501
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.4 33.6
 229 20.3 16.0 24.0





#83

Chrysene

Concen: 5.99 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.012 min

Lab File: BF123841.D

Acq: 5 May 2021 22:22

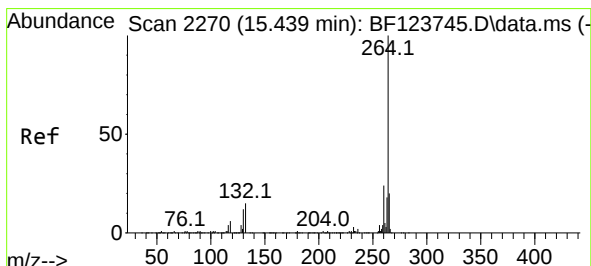
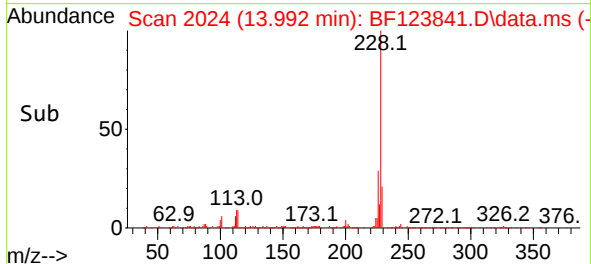
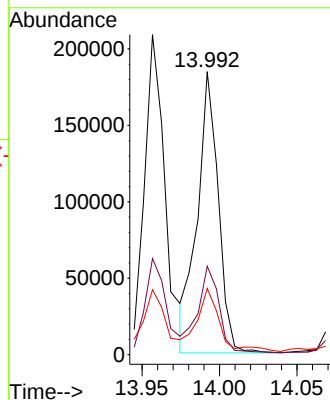
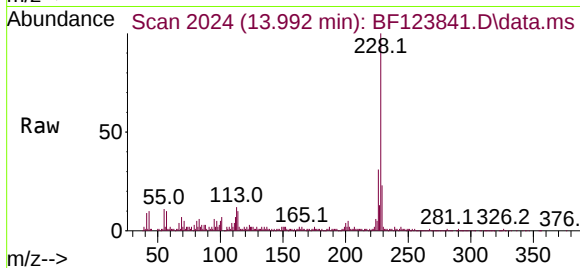
Tgt Ion:	228	Resp:	173116
Ion Ratio	Lower	Upper	
228	100		
226	31.3	24.3	36.5
229	23.4	16.2	24.2

Instrument :

BNA_F

ClientSampleId :

EME-13



#86

Perylene-d12

Concen: 20.00 ng

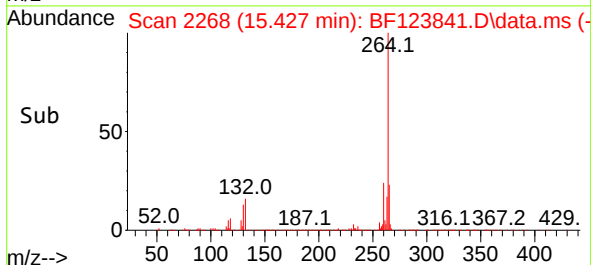
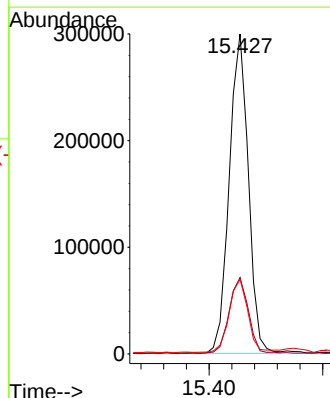
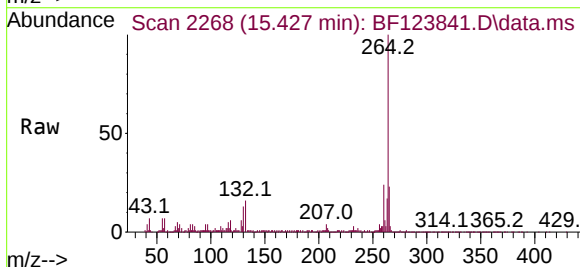
RT: 15.427 min Scan# 2268

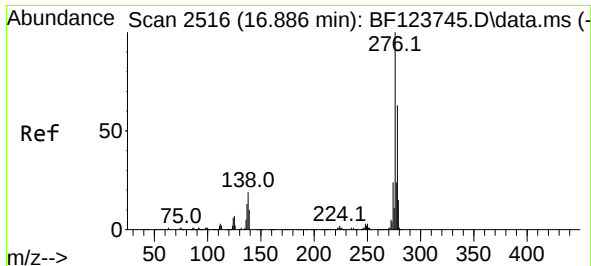
Delta R.T. 0.000 min

Lab File: BF123841.D

Acq: 5 May 2021 22:22

Tgt Ion:	264	Resp:	348248
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.7	28.1
265	23.4	17.8	26.8

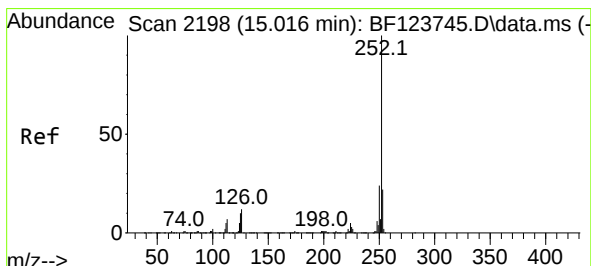
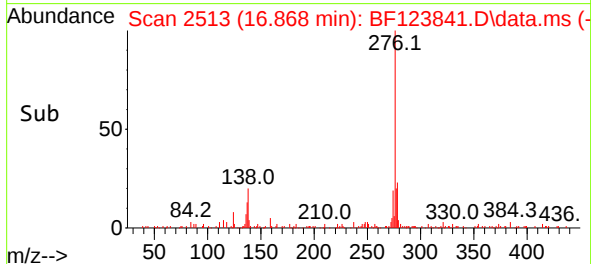
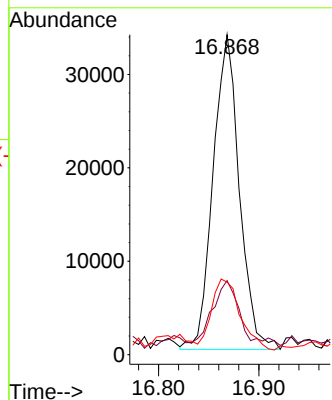
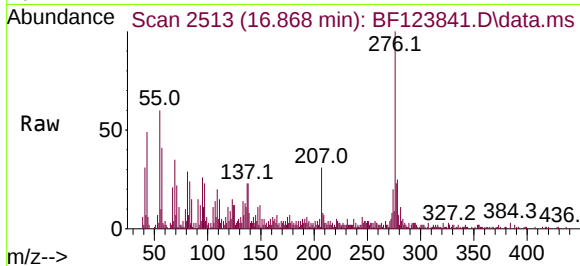




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.03 ng
RT: 16.868 min Scan# 2513
Delta R.T. -0.012 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

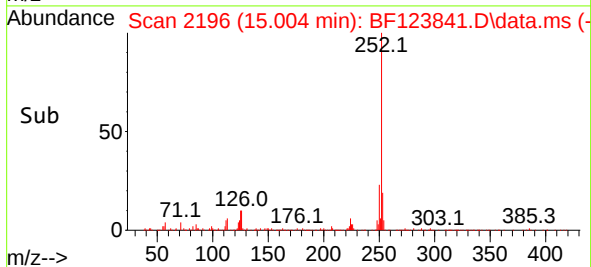
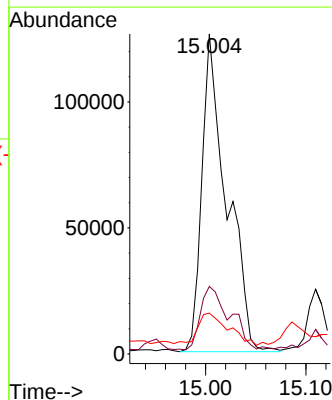
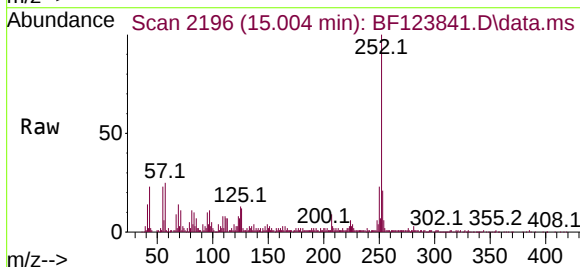
Instrument :
BNA_F
ClientSampleId :
EME-13

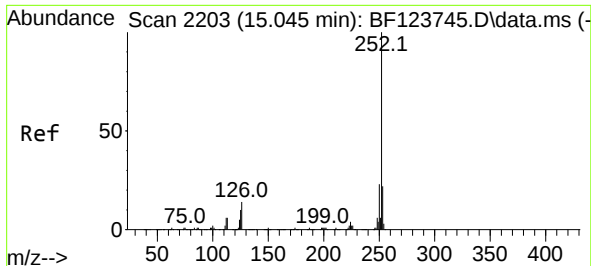
Tgt Ion:276 Resp: 61356
Ion Ratio Lower Upper
276 100
138 24.2 16.2 24.2
277 24.6 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 9.27 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

Tgt Ion:252 Resp: 217501
Ion Ratio Lower Upper
252 100
253 21.1 18.1 27.1
125 12.7 6.2 9.4#

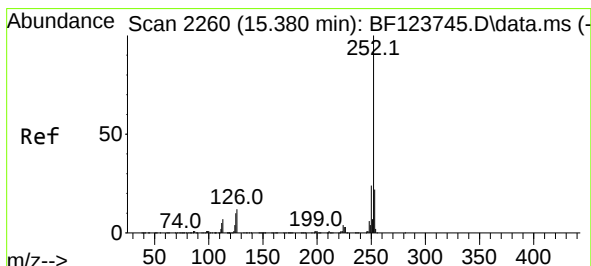
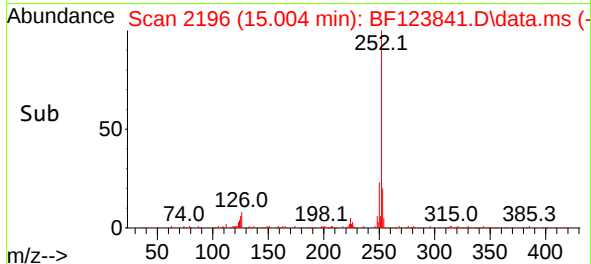
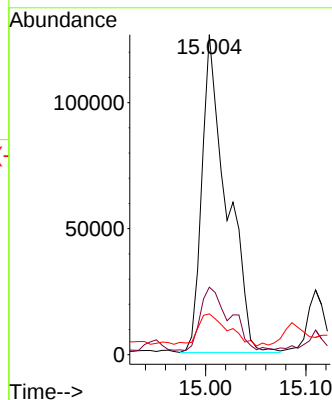
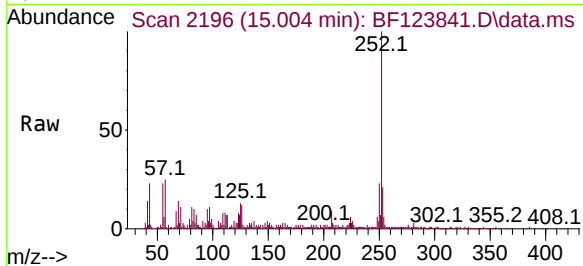




#89
Benzo(k)fluoranthene
Concen: 9.71 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

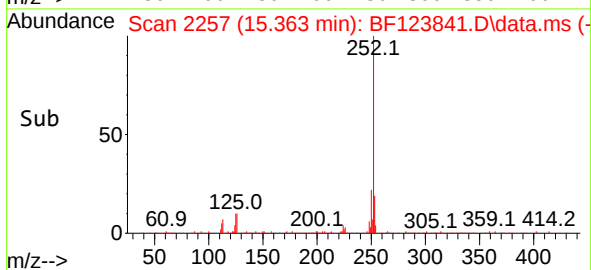
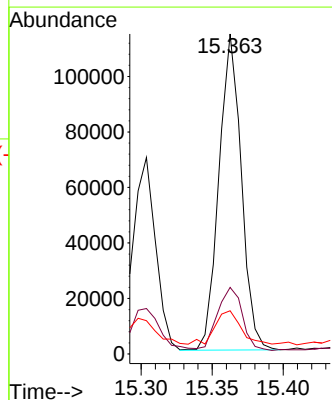
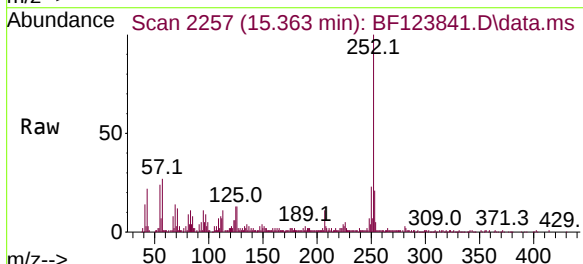
Instrument :
BNA_F
ClientSampleId :
EME-13

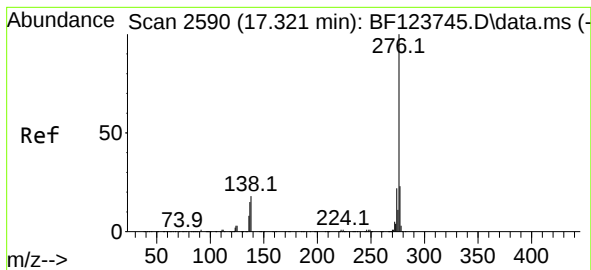
Tgt Ion:252 Resp: 217501
Ion Ratio Lower Upper
252 100
253 21.1 17.9 26.9
125 12.7 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 6.22 ng
RT: 15.363 min Scan# 2257
Delta R.T. -0.006 min
Lab File: BF123841.D
Acq: 5 May 2021 22:22

Tgt Ion:252 Resp: 124892
Ion Ratio Lower Upper
252 100
253 20.8 18.4 27.6
125 13.5 8.0 12.0#





#92

Benzo(g,h,i)perylene

Concen: 3.66 ng

RT: 17.304 min Scan# 2587

Delta R.T. -0.012 min

Lab File: BF123841.D

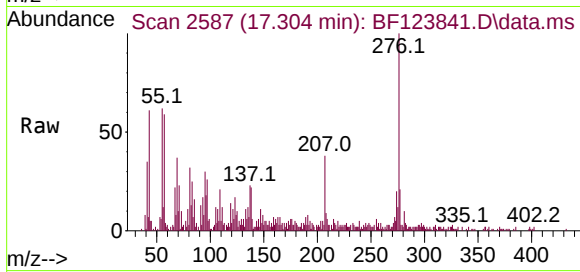
Acq: 5 May 2021 22:22

Instrument :

BNA_F

ClientSampleId :

EME-13



Tgt Ion:276 Resp: 62755

Ion Ratio Lower Upper

276 100

277 21.5 18.2 27.2

138 21.7 13.8 20.6#

