

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050521\
 Data File : BF123835.D
 Acq On : 5 May 2021 19:11
 Operator : JU/CG
 Sample : M2279-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-17

Quant Time: May 06 00:51:05 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)

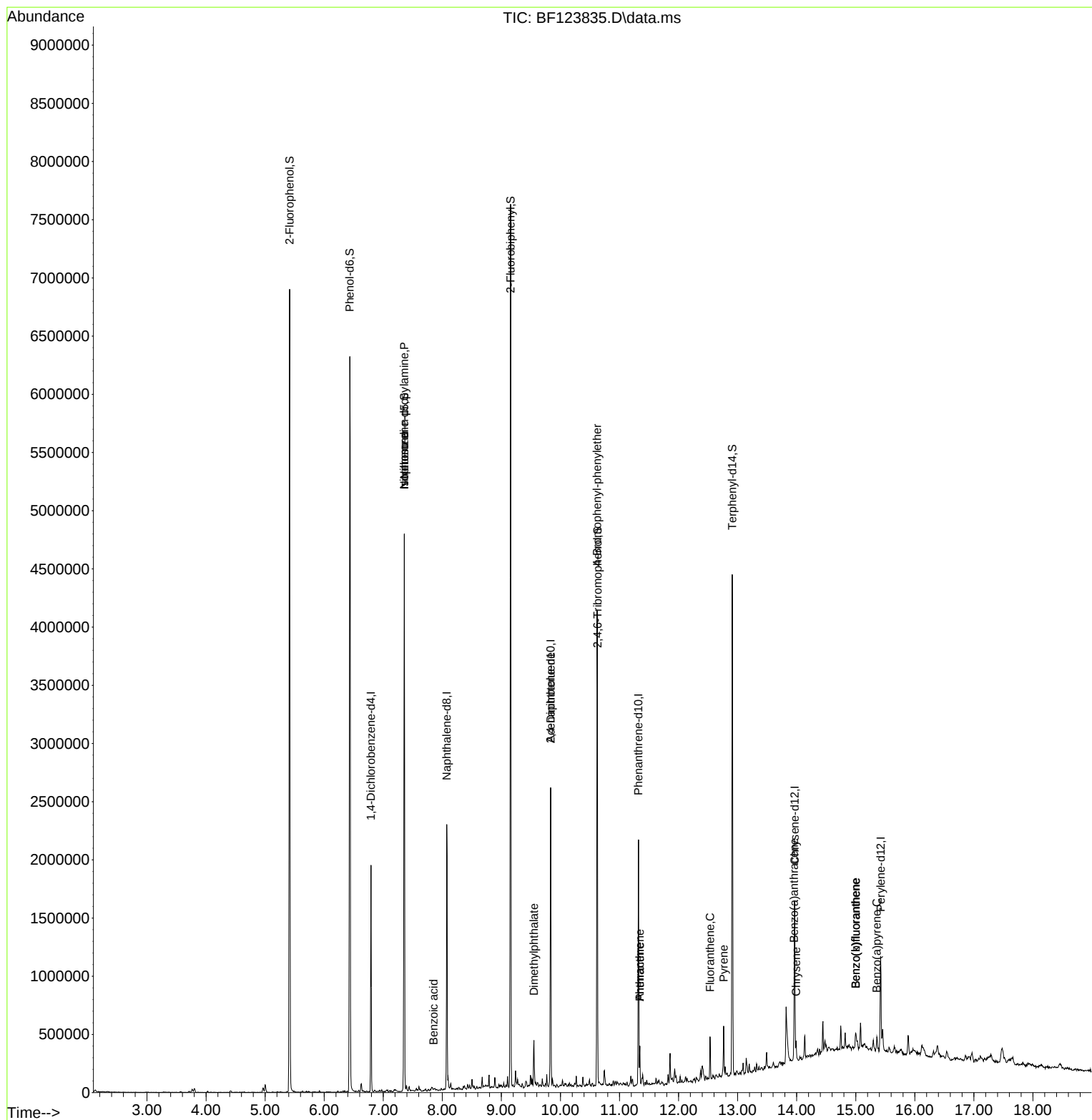
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	233527	20.00	ng	0.00
21) Naphthalene-d8	8.075	136	904753	20.00	ng	0.00
39) Acenaphthene-d10	9.833	164	428624	20.00	ng	0.00
64) Phenanthrene-d10	11.322	188	678820	20.00	ng	0.00
76) Chrysene-d12	13.968	240	472685	20.00	ng	0.00
86) Perylene-d12	15.421	264	368676	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1523560	103.36	ng	0.00
7) Phenol-d6	6.434	99	2032538	100.10	ng	0.00
23) Nitrobenzene-d5	7.357	82	1403101	70.01	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	476708	89.34	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	2013069	68.40	ng	0.00
79) Terphenyl-d14	12.910	244	1398552	56.97	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	195038	15.56	ng	# 75
25) Isophorone	7.357	82	1402935	37.33	ng	# 69
32) Benzoic acid	7.851	122	824	5.47	ng	# 83
50) Dimethylphthalate	9.551	163	119896	3.97	ng	98
57) 2,4-Dinitrotoluene	9.833	165	57236	6.01	ng	# 17
67) 4-Bromophenyl-phenylether	10.622	248	26912	3.76	ng	# 1
71) Phenanthrene	11.345	178	103240	2.90	ng	99
72) Anthracene	11.345	178	103240	2.92	ng	99
75) Fluoranthene	12.533	202	135282	3.48	ng	98
78) Pyrene	12.763	202	161377	4.40	ng	96
81) Benzo(a)anthracene	13.957	228	64383	2.25	ng	94
83) Chrysene	13.992	228	68531	2.38	ng	95
88) Benzo(b)fluoranthene	14.998	252	91085	3.67	ng	# 89
89) Benzo(k)fluoranthene	14.998	252	91085	3.84	ng	# 90
90) Benzo(a)pyrene	15.357	252	50927	2.40	ng	# 92

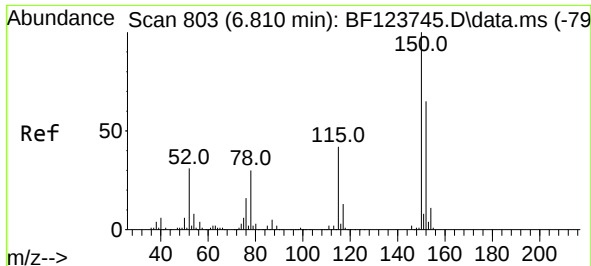
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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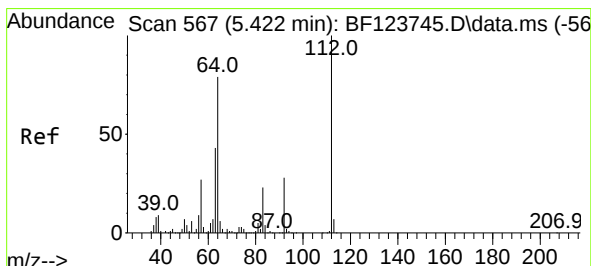
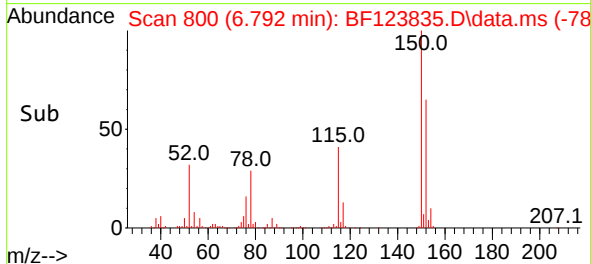
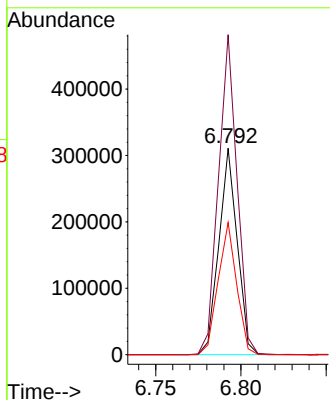
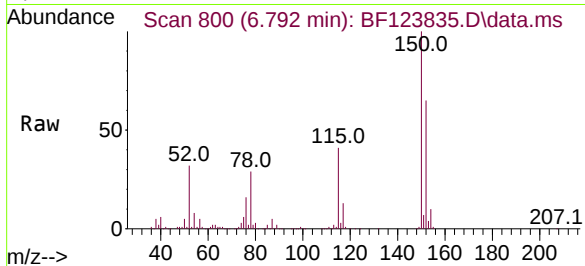




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

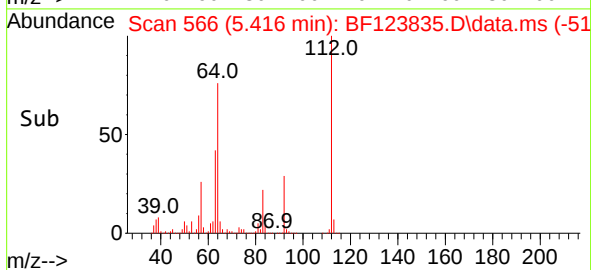
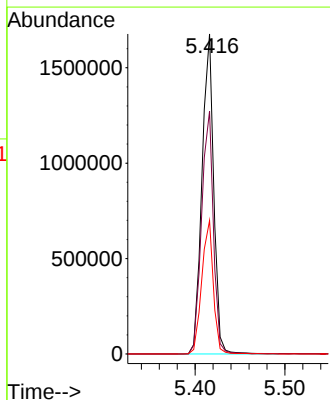
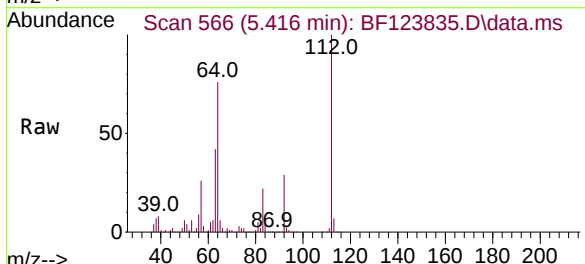
Instrument :
BNA_F
ClientSampleId :
EME-17

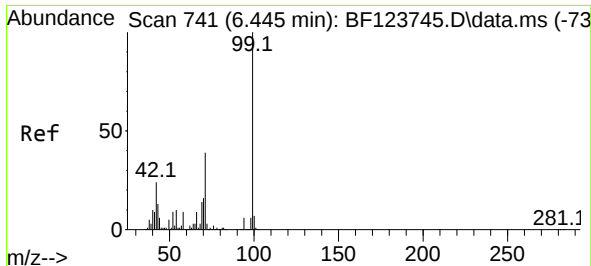
Tgt Ion:152 Resp: 233527
Ion Ratio Lower Upper
152 100
150 155.0 127.0 190.6
115 64.1 54.3 81.5



#5
2-Fluorophenol
Concen: 103.36 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

Tgt Ion:112 Resp: 1523560
Ion Ratio Lower Upper
112 100
64 75.9 61.4 92.0
63 41.7 33.0 49.4

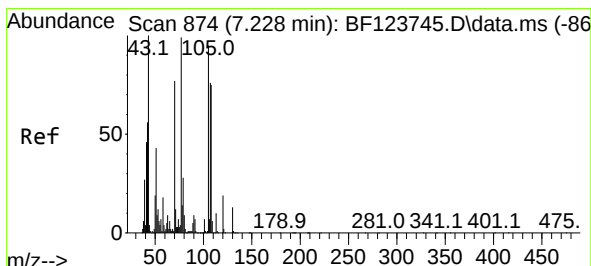
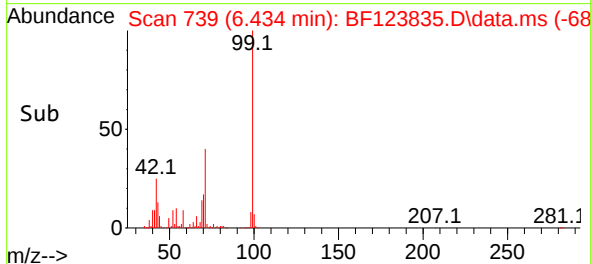
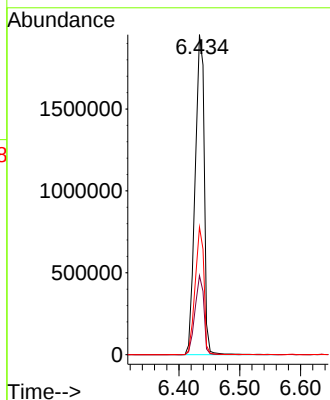
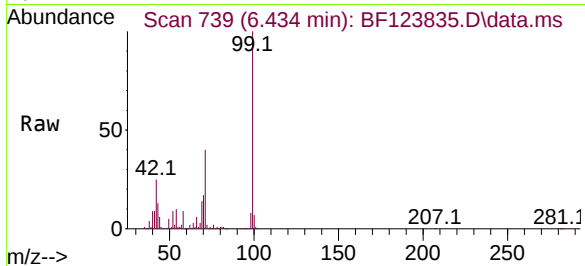




#7
Phenol-d6
Concen: 100.10 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

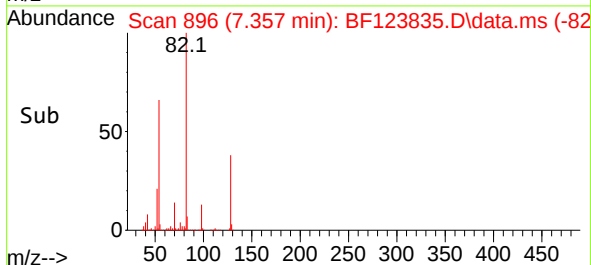
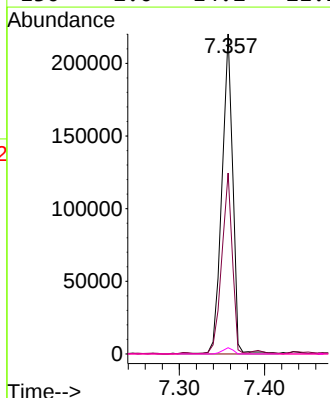
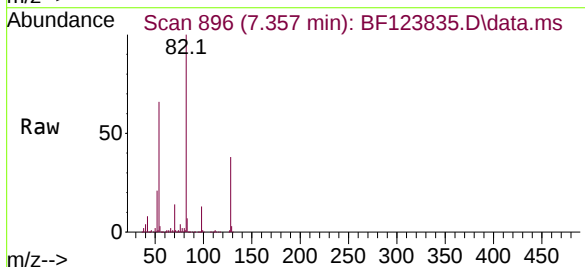
Instrument :
BNA_F
ClientSampleId :
EME-17

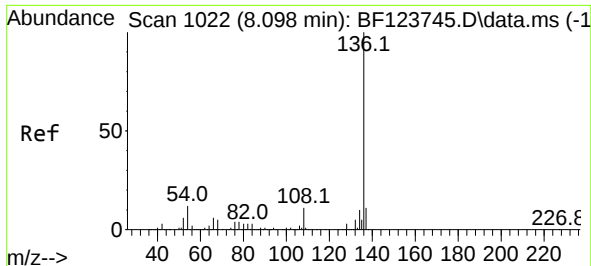
Tgt Ion: 99 Resp: 2032538
Ion Ratio Lower Upper
99 100
42 24.7 19.8 29.8
71 39.9 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.56 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

Tgt Ion: 70 Resp: 195038
Ion Ratio Lower Upper
70 100
42 56.6 60.1 90.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.2#



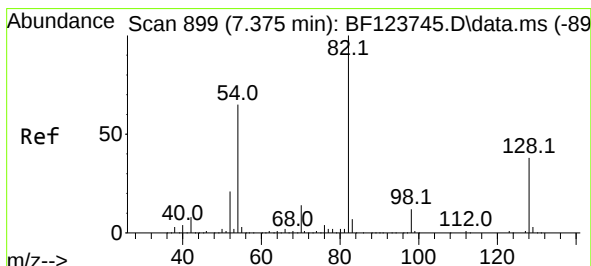
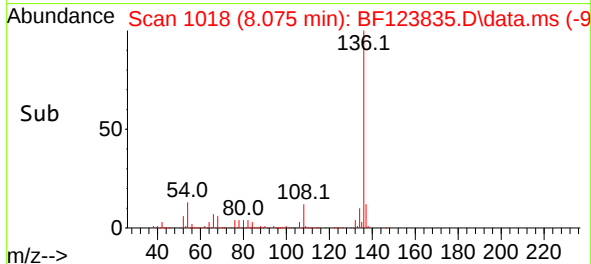
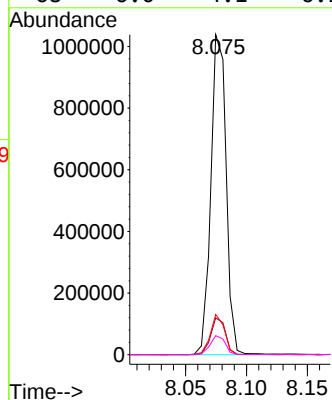
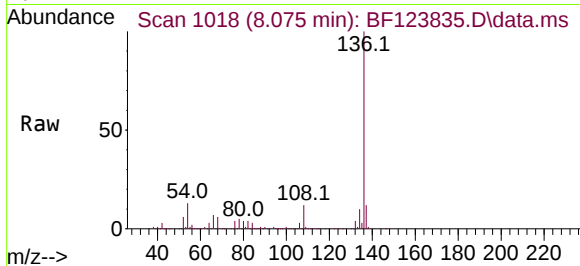


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

Instrument :
BNA_F
ClientSampleId :
EME-17

Tgt Ion:136 Resp: 904753

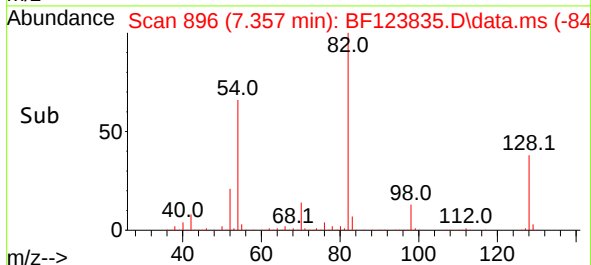
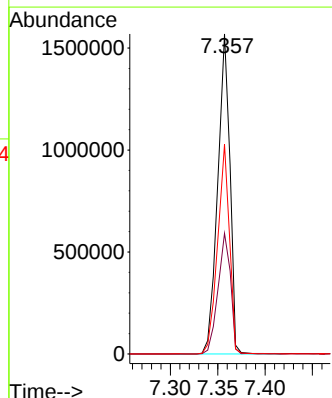
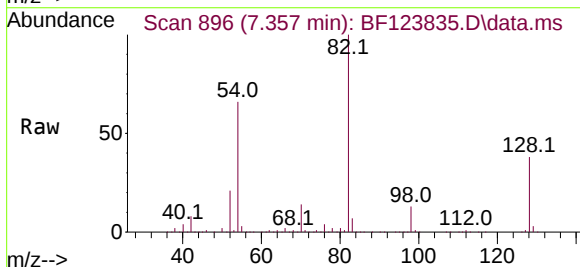
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	12.5	9.8	14.6
68	6.0	4.1	6.1

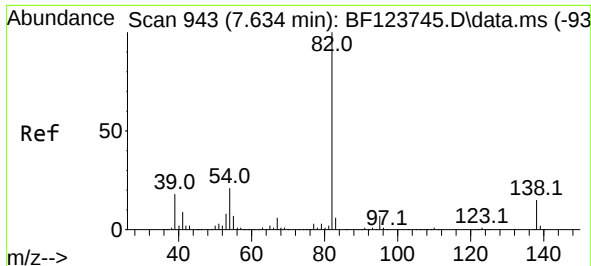


#23
Nitrobenzene-d5
Concen: 70.01 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

Tgt Ion: 82 Resp: 1403101

Ion	Ratio	Lower	Upper
82	100		
128	37.7	29.4	44.2
54	65.5	54.1	81.1

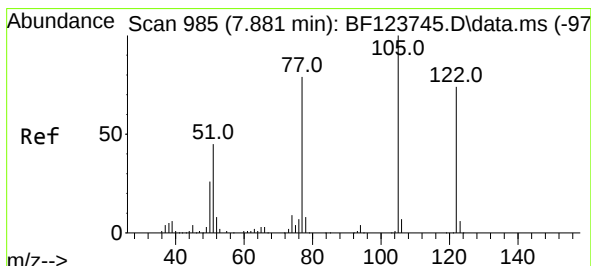
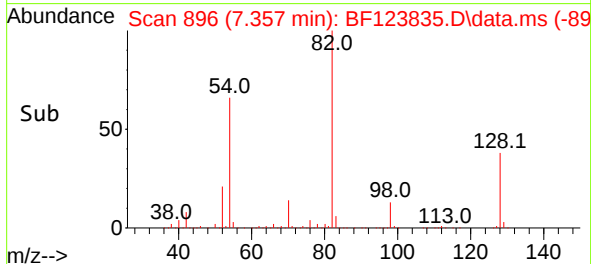
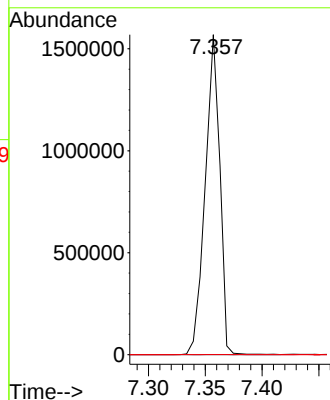
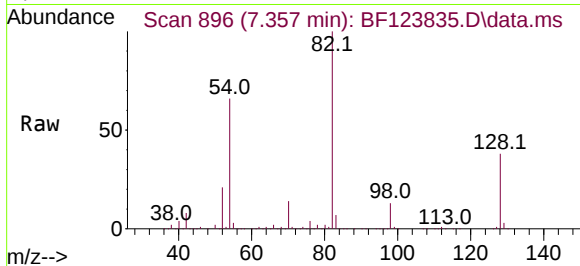




#25
Isophorone
Concen: 37.33 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

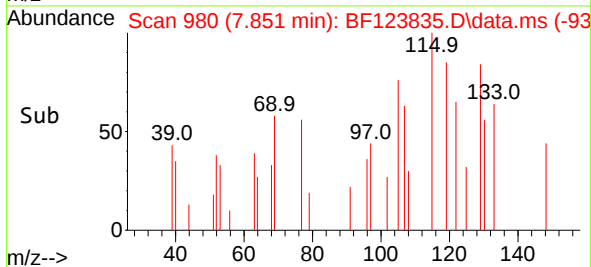
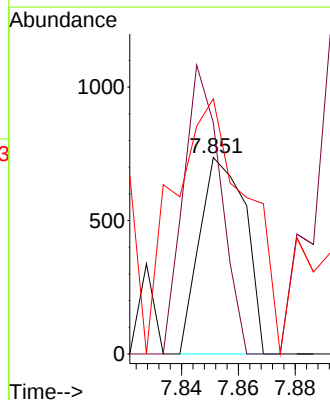
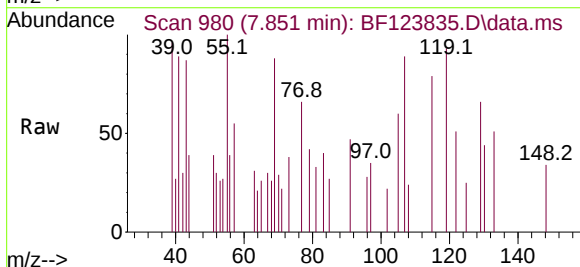
Instrument :
BNA_F
ClientSampleId :
EME-17

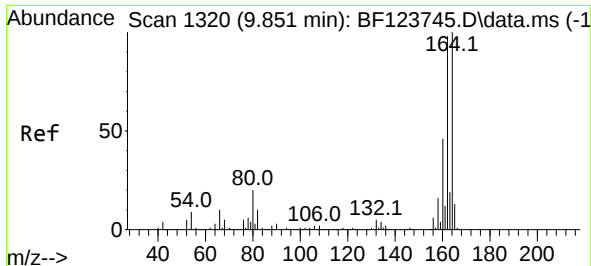
Tgt Ion: 82 Resp: 1402935
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 5.47 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

Tgt Ion: 122 Resp: 824
Ion Ratio Lower Upper
122 100
105 117.7 107.8 147.8
77 129.9 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: BF123835.D

Acq: 5 May 2021 19:11

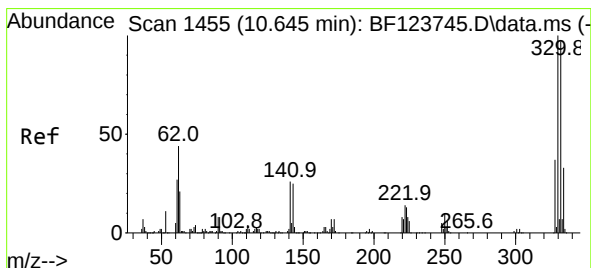
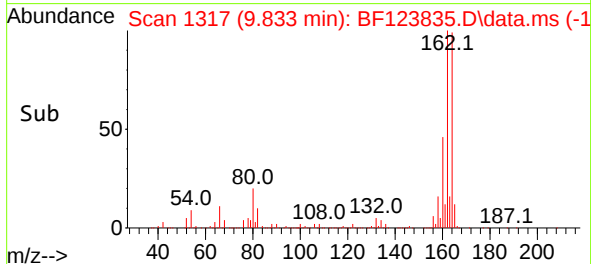
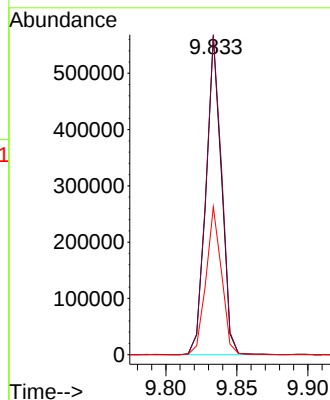
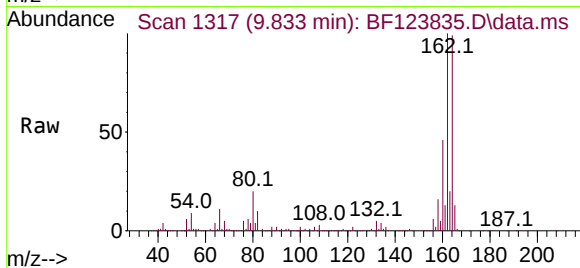
Tgt Ion:164 Resp: 428624

Ion Ratio Lower Upper

164 100

162 100.6 80.7 121.1

160 46.5 37.3 55.9



#42

2,4,6-Tribromophenol

Concen: 89.34 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.006 min

Lab File: BF123835.D

Acq: 5 May 2021 19:11

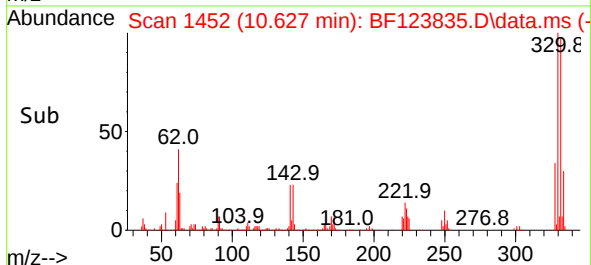
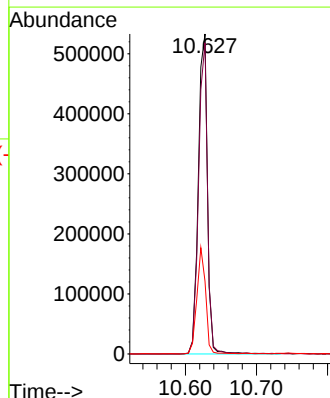
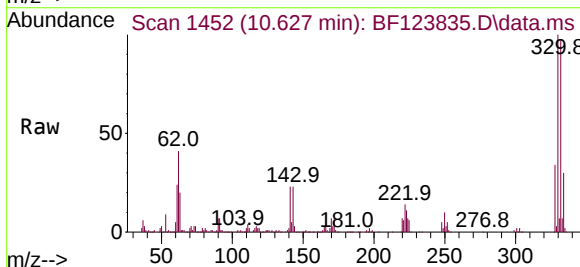
Tgt Ion:330 Resp: 476708

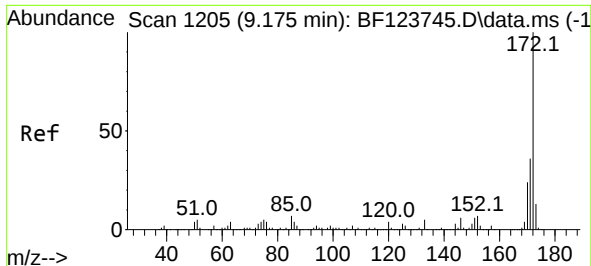
Ion Ratio Lower Upper

330 100

332 95.3 77.1 115.7

141 32.0 27.9 41.9

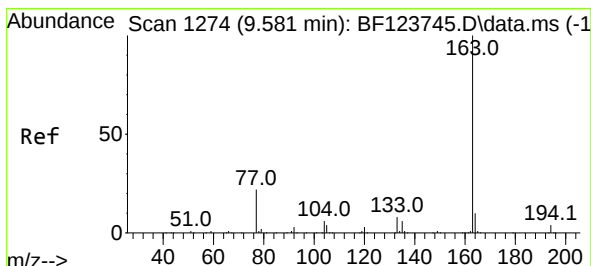
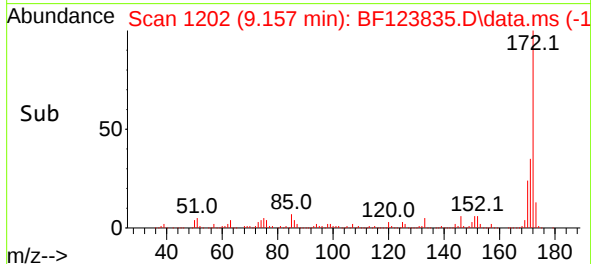
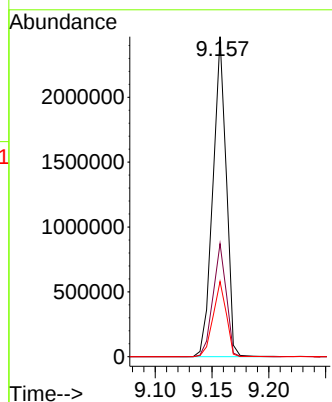
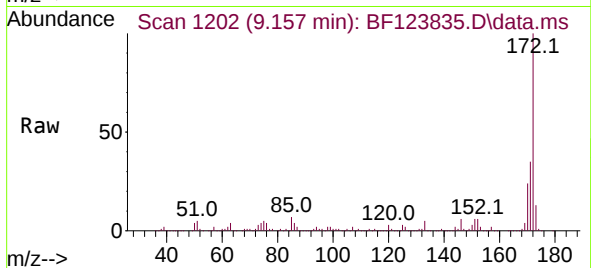




#45
2-Fluorobiphenyl
Concen: 68.40 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

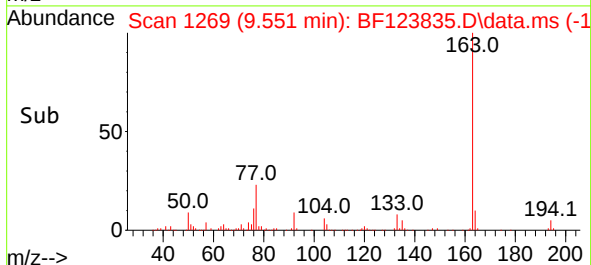
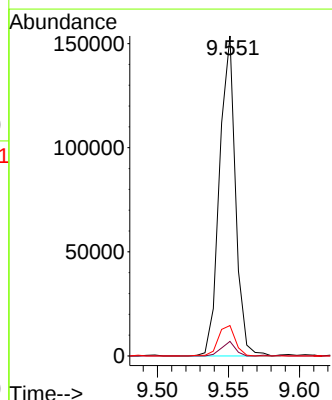
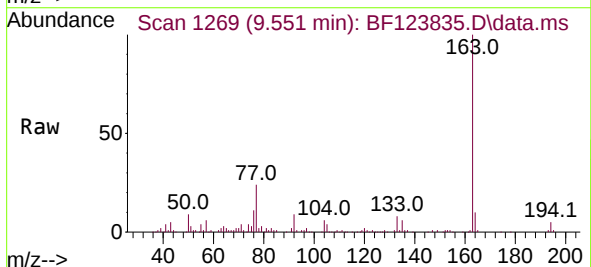
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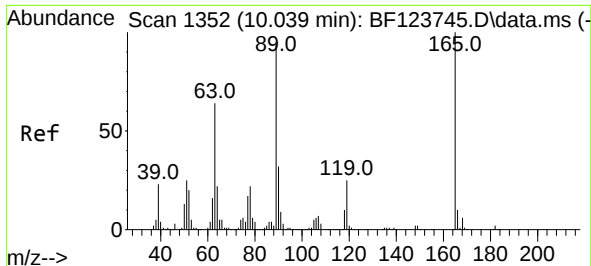
Tgt Ion:172 Resp: 2013069
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.5 19.2 28.8



#50
Dimethylphthalate
Concen: 3.97 ng
RT: 9.551 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

Tgt Ion:163 Resp: 119896
Ion Ratio Lower Upper
163 100
194 4.6 3.1 4.7
164 9.5 8.2 12.2

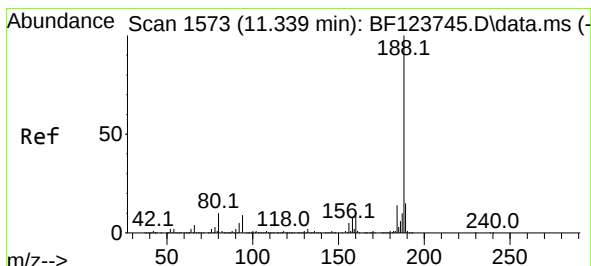
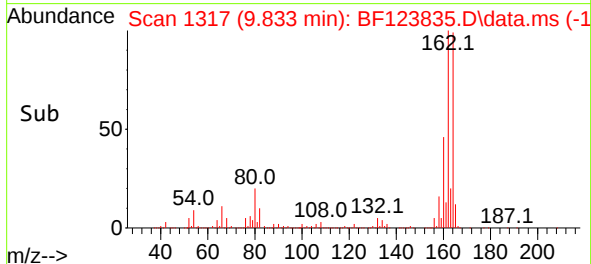
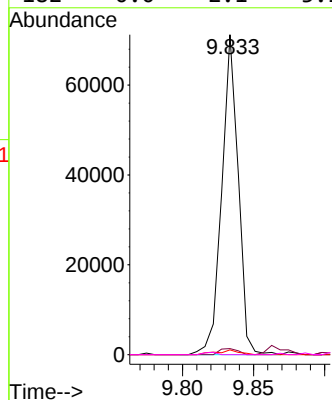
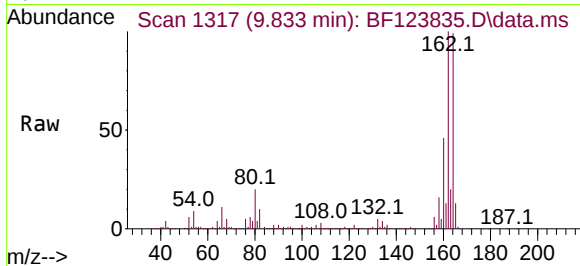




#57
2,4-Dinitrotoluene
Concen: 6.01 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.200 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

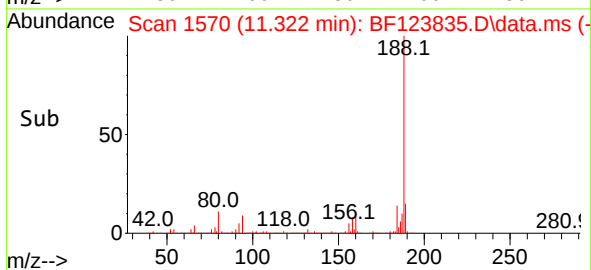
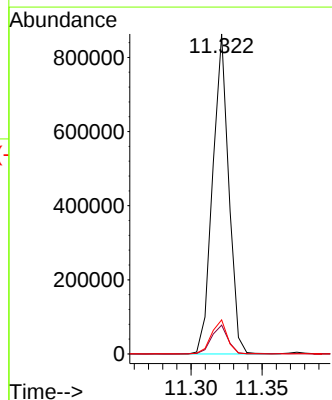
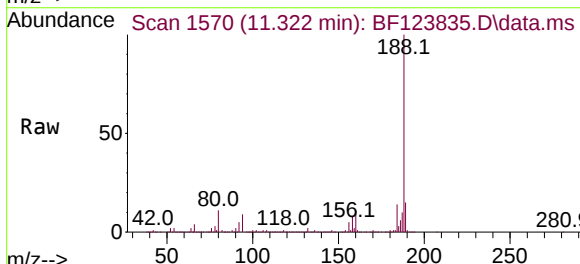
Instrument :
BNA_F
ClientSampled :
EME-17

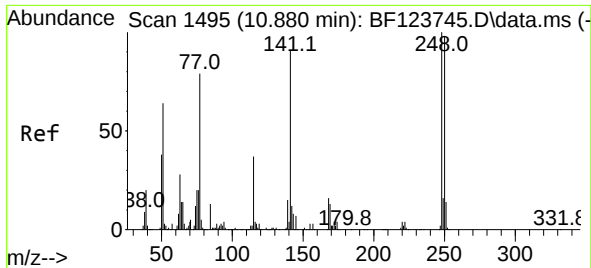
Tgt Ion:165 Resp: 57236
Ion Ratio Lower Upper
165 100
63 1.9 43.5 65.3#
89 1.5 67.7 101.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

Tgt Ion:188 Resp: 678820
Ion Ratio Lower Upper
188 100
94 9.0 6.9 10.3
80 10.6 8.2 12.2

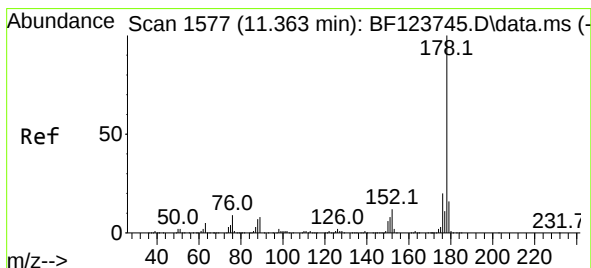
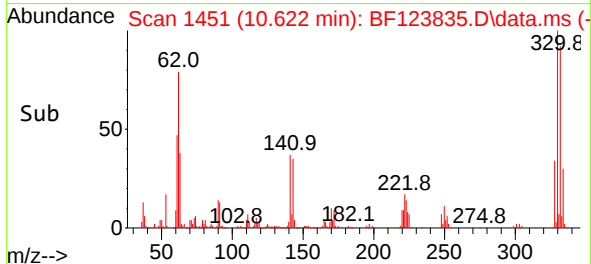
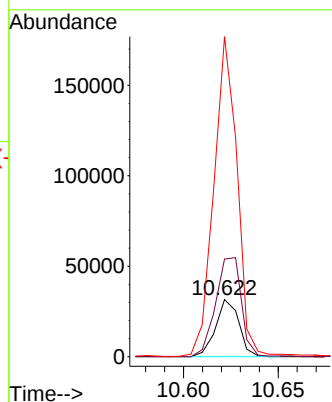
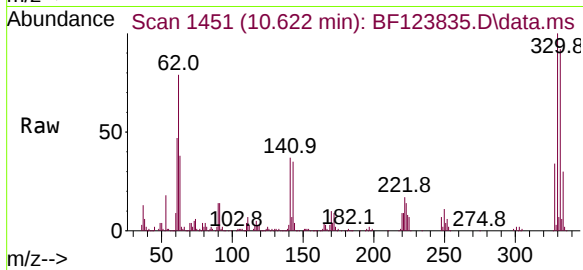




#67
4-Bromophenyl-phenylether
Concen: 3.76 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.253 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

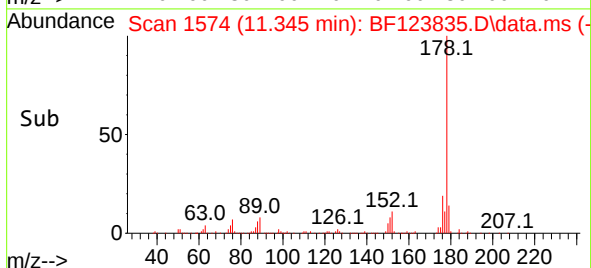
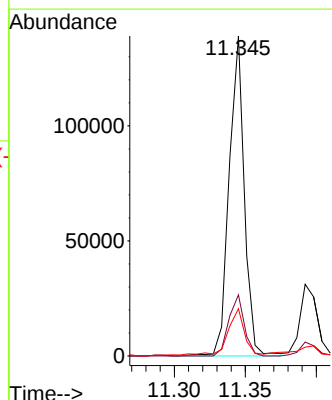
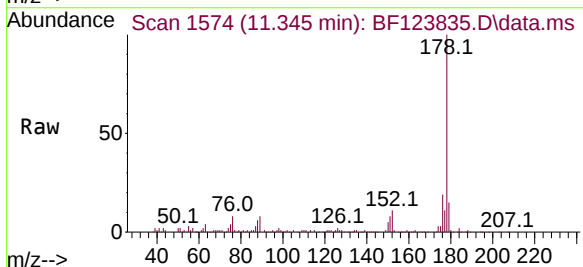
Instrument :
BNA_F
ClientSampleId :
EME-17

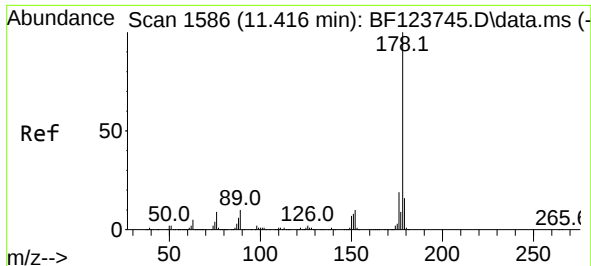
Tgt Ion:248 Resp: 26912
Ion Ratio Lower Upper
248 100
250 171.1 77.4 116.2#
141 560.4 63.7 95.5#



#71
Phenanthrene
Concen: 2.90 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

Tgt Ion:178 Resp: 103240
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 14.7 12.5 18.7

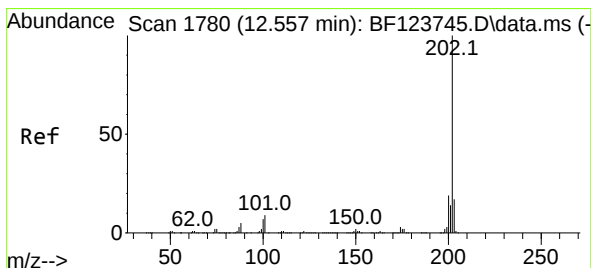
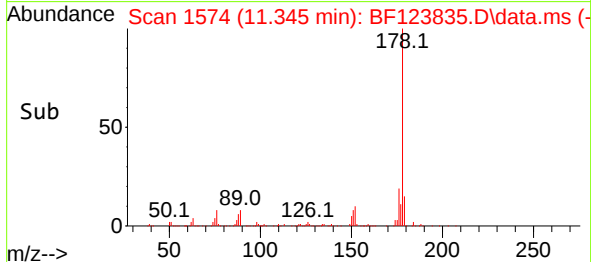
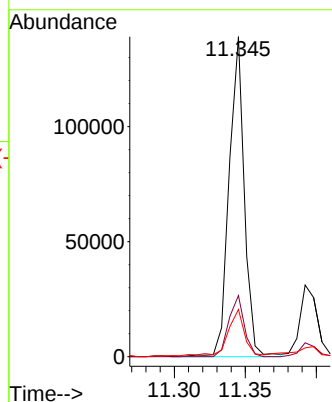
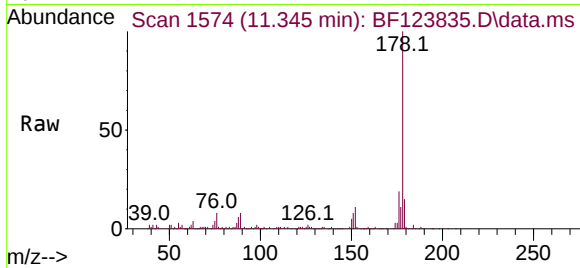




#72
 Anthracene
 Concen: 2.92 ng
 RT: 11.345 min Scan# 1574
 Delta R.T. -0.059 min
 Lab File: BF123835.D
 Acq: 5 May 2021 19:11

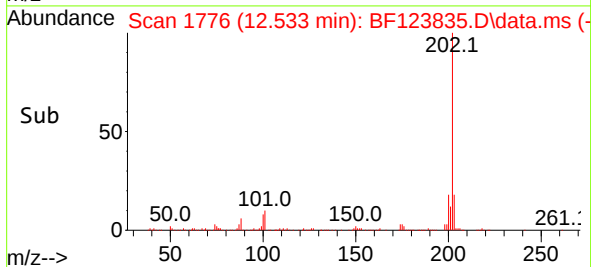
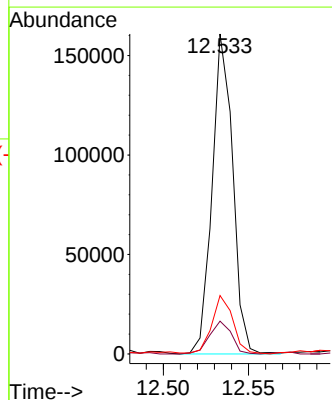
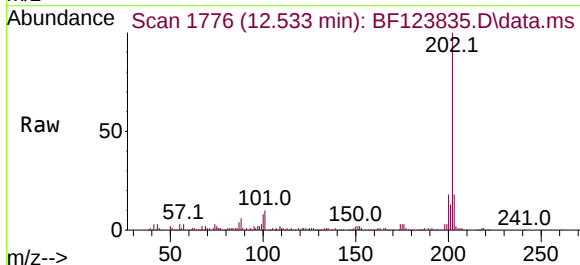
Instrument :
 BNA_F
 ClientSampleId :
 EME-17

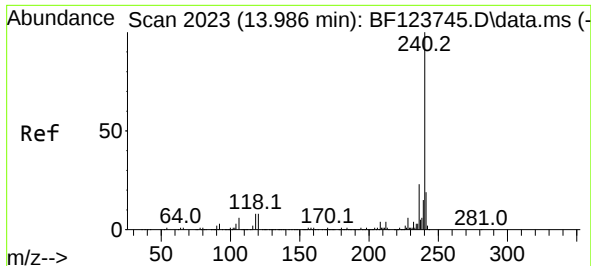
Tgt Ion:178 Resp: 103240
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.0
 179 14.7 12.6 18.8



#75
 Fluoranthene
 Concen: 3.48 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.012 min
 Lab File: BF123835.D
 Acq: 5 May 2021 19:11

Tgt Ion:202 Resp: 135282
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 30.9
 203 18.3 0.0 37.5

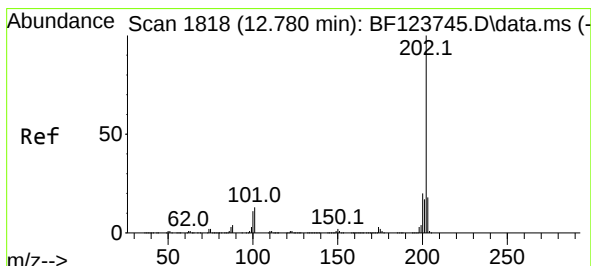
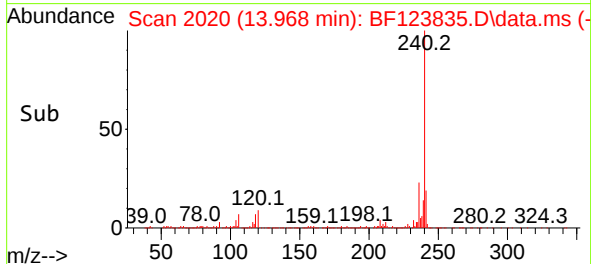
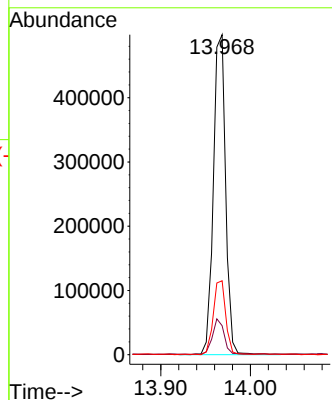
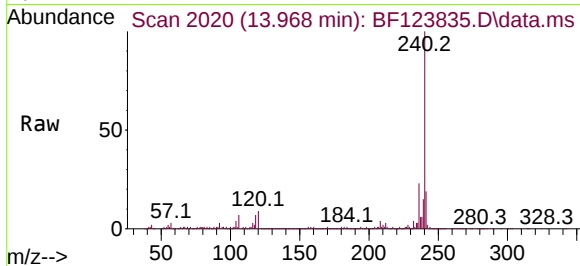




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

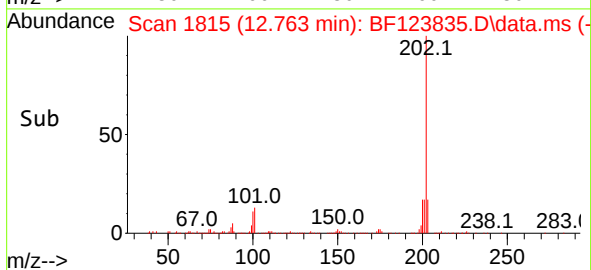
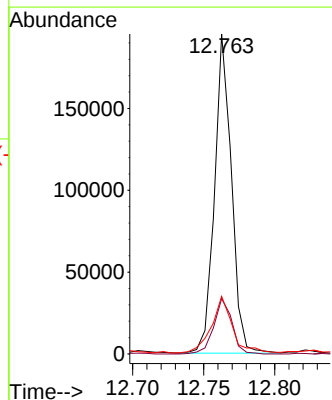
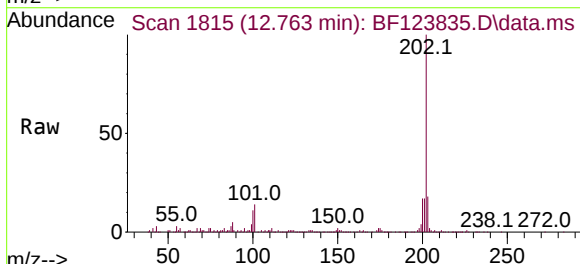
Instrument :
BNA_F
ClientSampleId :
EME-17

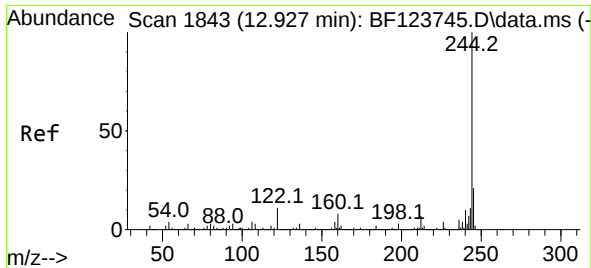
Tgt Ion:240 Resp: 472685
Ion Ratio Lower Upper
240 100
120 9.1 7.2 10.8
236 23.1 19.0 28.4



#78
Pyrene
Concen: 4.40 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

Tgt Ion:202 Resp: 161377
Ion Ratio Lower Upper
202 100
200 17.3 16.1 24.1
203 18.0 14.8 22.2

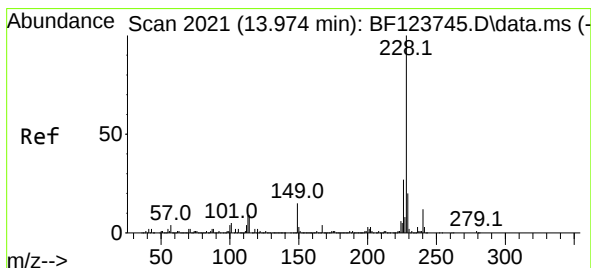
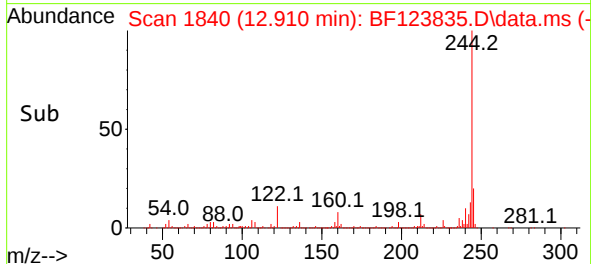
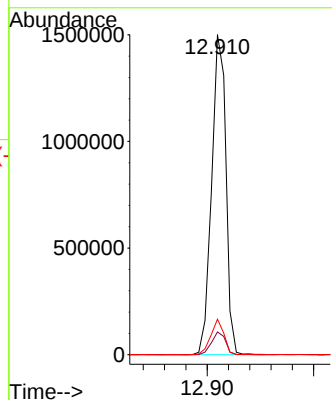
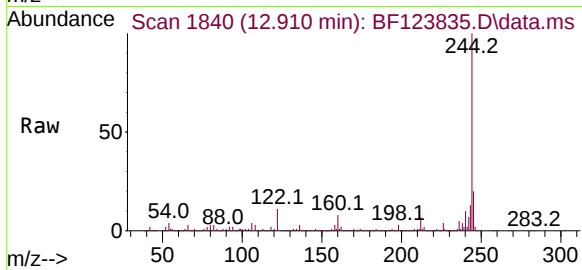




#79
Terphenyl-d14
Concen: 56.97 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

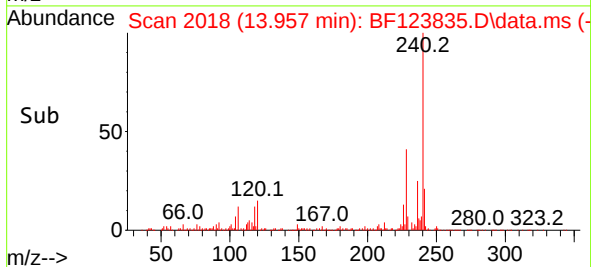
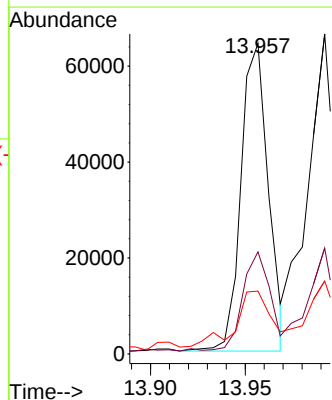
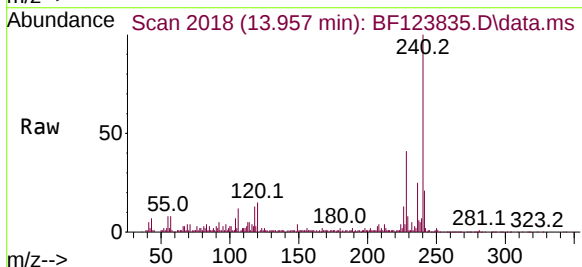
Instrument :
BNA_F
ClientSampleId :
EME-17

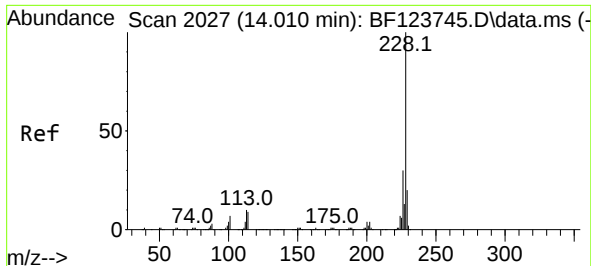
Tgt Ion:244 Resp: 1398552
Ion Ratio Lower Upper
244 100
212 7.1 5.7 8.5
122 11.1 9.7 14.5



#81
Benzo(a)anthracene
Concen: 2.25 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

Tgt Ion:228 Resp: 64383
Ion Ratio Lower Upper
228 100
226 32.9 22.4 33.6
229 20.2 16.0 24.0

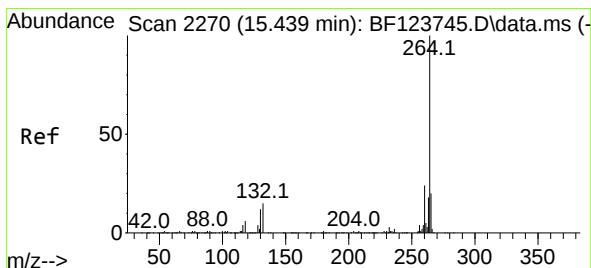
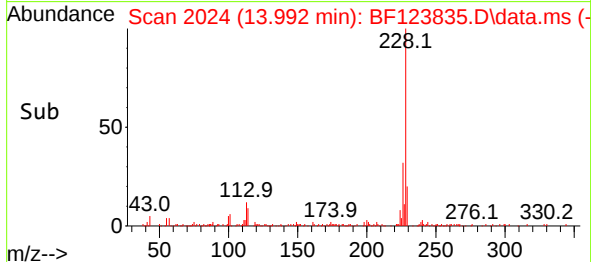
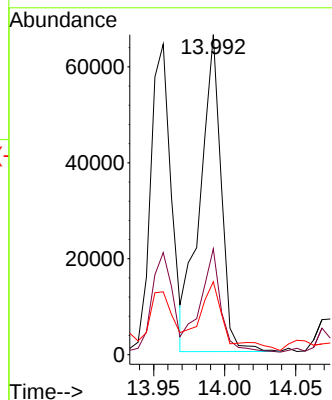
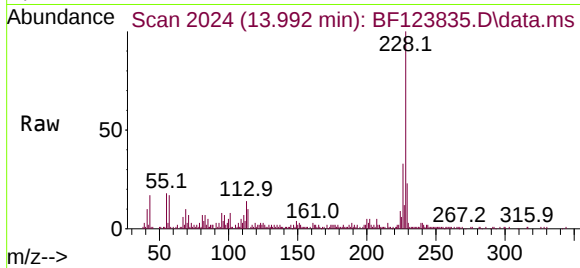




#83
Chrysene
Concen: 2.38 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

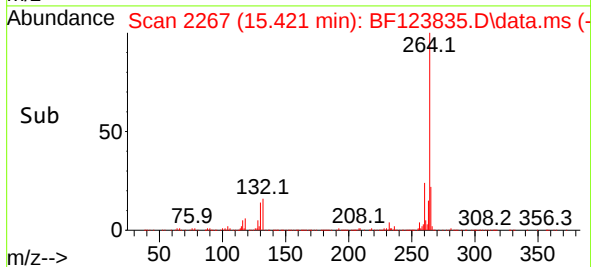
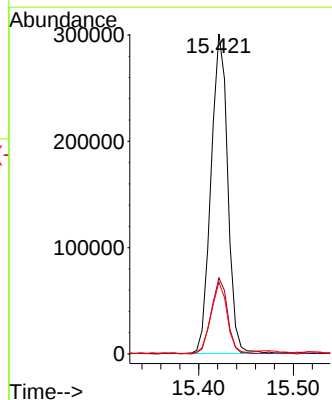
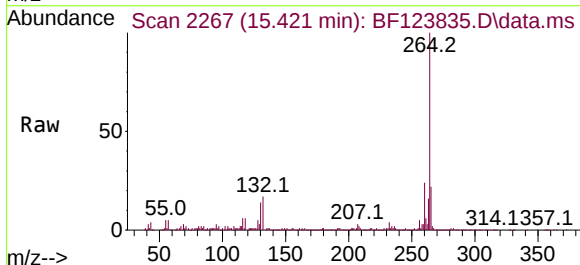
Instrument :
BNA_F
ClientSampleId :
EME-17

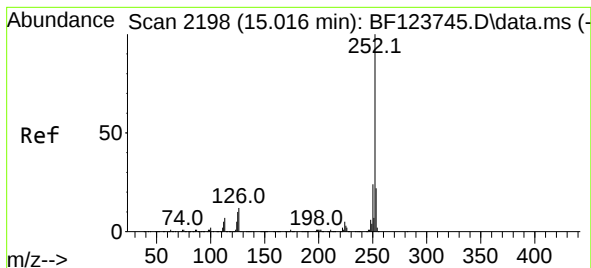
Tgt Ion:228 Resp: 68531
Ion Ratio Lower Upper
228 100
226 33.1 24.3 36.5
229 22.8 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF123835.D
Acq: 5 May 2021 19:11

Tgt Ion:264 Resp: 368676
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 22.4 17.8 26.8





#88

Benzo(b)fluoranthene

Concen: 3.67 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF123835.D

Acq: 5 May 2021 19:11

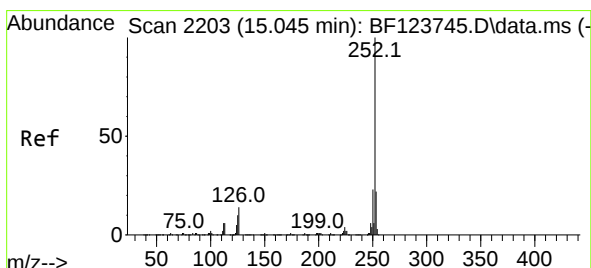
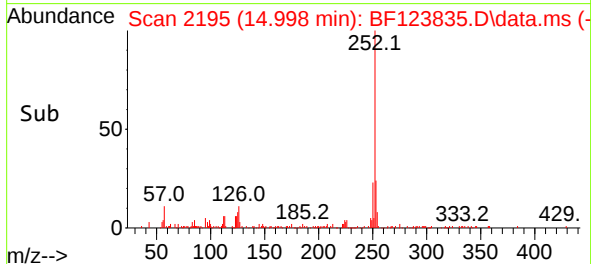
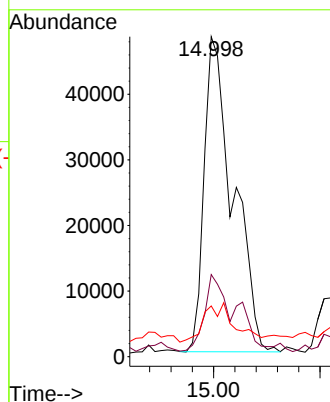
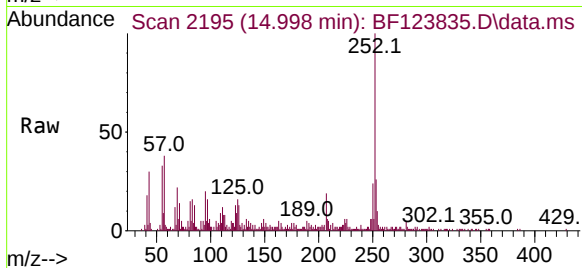
Instrument :

BNA_F

ClientSampled :

EME-17

Tgt Ion:252	Resp:	91085
Ion Ratio	Lower	Upper
252	100	
253	25.7	18.1 27.1
125	15.8	6.2 9.4#



#89

Benzo(k)fluoranthene

Concen: 3.84 ng

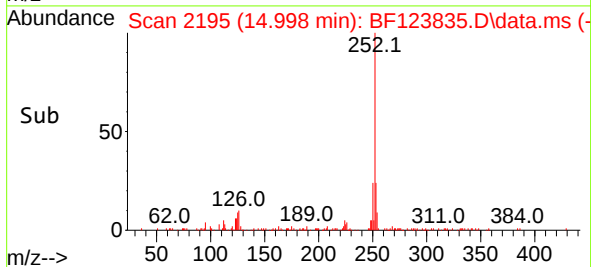
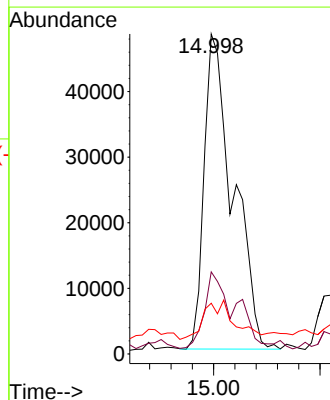
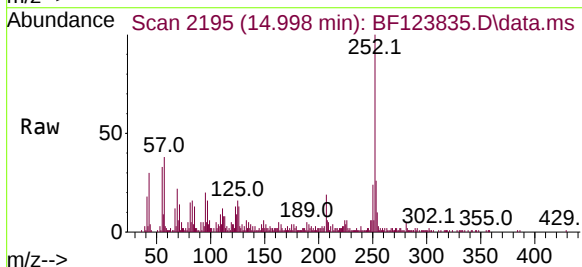
RT: 14.998 min Scan# 2195

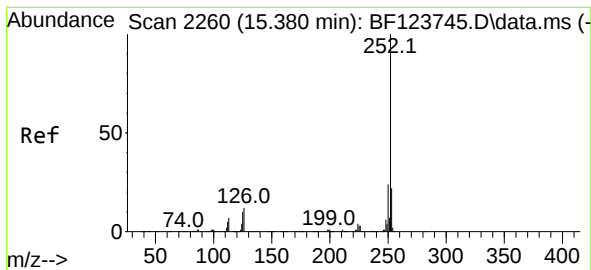
Delta R.T. -0.041 min

Lab File: BF123835.D

Acq: 5 May 2021 19:11

Tgt Ion:252	Resp:	91085
Ion Ratio	Lower	Upper
252	100	
253	25.7	17.9 26.9
125	15.8	7.0 10.6#





#90

Benzo(a)pyrene

Concen: 2.40 ng

RT: 15.357 min Scan# 2256

Delta R.T. -0.012 min

Lab File: BF123835.D

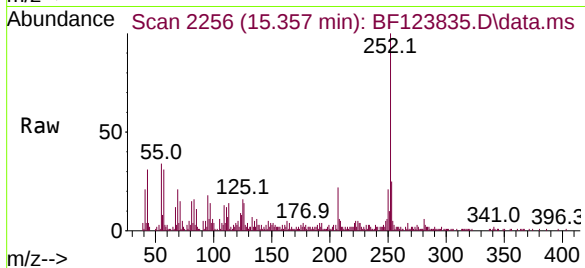
Acq: 5 May 2021 19:11

Instrument :

BNA_F

ClientSampleId :

EME-17



Tgt Ion:252 Resp: 50927

Ion Ratio Lower Upper

252 100

253 25.1 18.4 27.6

125 16.0 8.0 12.0#

