

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050521\
 Data File : BF123834.D
 Acq On : 5 May 2021 18:39
 Operator : JU/CG
 Sample : M2279-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-16

Quant Time: May 06 00:50:42 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)

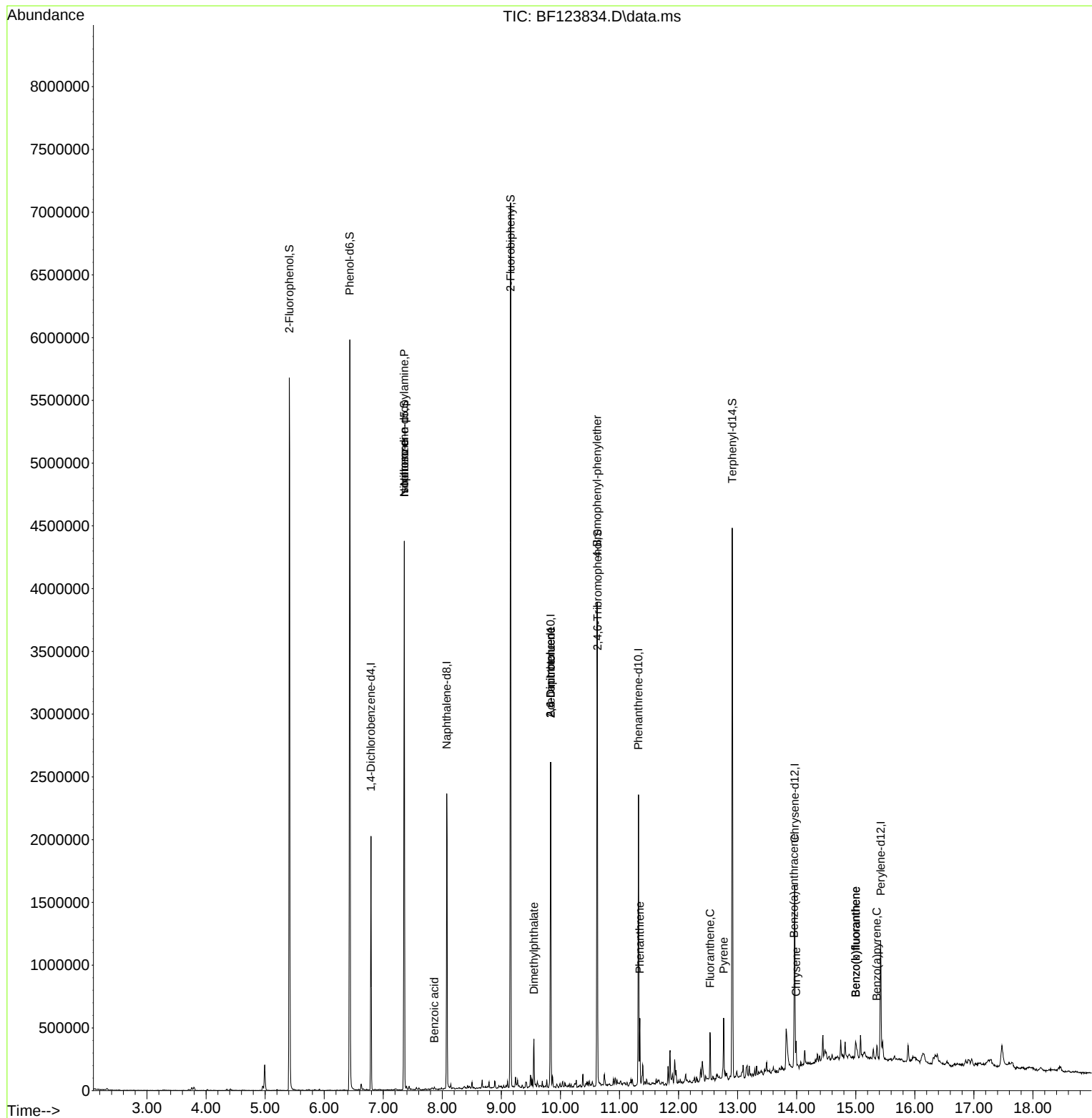
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	237327	20.00	ng	0.00
21) Naphthalene-d8	8.075	136	917364	20.00	ng	# 0.00
39) Acenaphthene-d10	9.833	164	446522	20.00	ng	0.00
64) Phenanthrene-d10	11.321	188	756900	20.00	ng	0.00
76) Chrysene-d12	13.968	240	507314	20.00	ng	0.00
86) Perylene-d12	15.421	264	422828	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1330385	88.81	ng	0.00
7) Phenol-d6	6.434	99	1757229	85.15	ng	0.00
23) Nitrobenzene-d5	7.357	82	1199257	59.01	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	443401	79.77	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1825025	59.52	ng	0.00
79) Terphenyl-d14	12.910	244	1393631	52.90	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	161656	12.69	ng	# 71
25) Isophorone	7.357	82	1199232	31.47	ng	# 69
32) Benzoic acid	7.863	122	862	5.47	ng	# 9
50) Dimethylphthalate	9.551	163	119549	3.80	ng	98
51) 2,6-Dinitrotoluene	9.833	165	61000	8.39	ng	# 11
57) 2,4-Dinitrotoluene	9.833	165	61000	6.15	ng	# 17
67) 4-Bromophenyl-phenylether	10.621	248	25188	3.16	ng	# 1
71) Phenanthrene	11.345	178	169343	4.27	ng	100
75) Fluoranthene	12.533	202	141976	3.28	ng	99
78) Pyrene	12.763	202	185845	4.72	ng	98
81) Benzo(a)anthracene	13.957	228	72932	2.37	ng	95
83) Chrysene	13.992	228	78841	2.55	ng	100
88) Benzo(b)fluoranthene	14.998	252	93283	3.27	ng	# 93
89) Benzo(k)fluoranthene	14.998	252	93283	3.43	ng	# 94
90) Benzo(a)pyrene	15.356	252	53103	2.18	ng	# 95

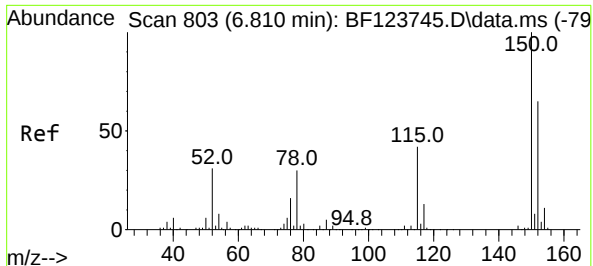
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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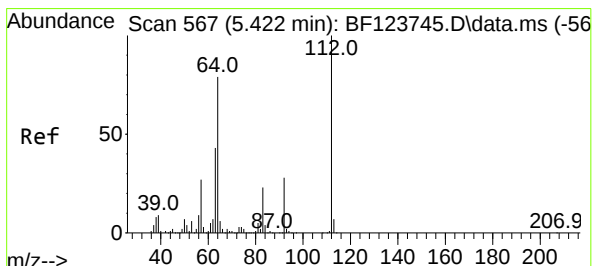
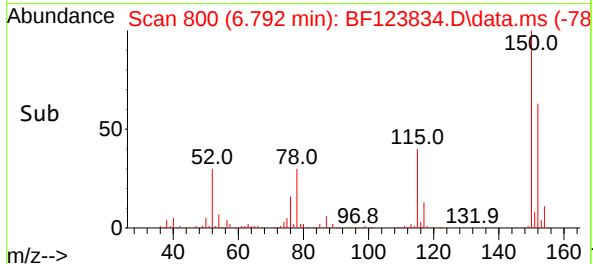
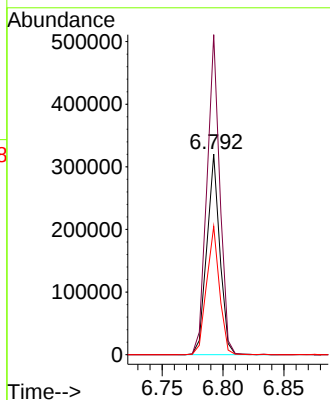
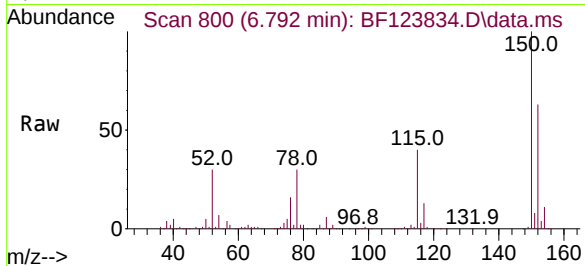




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

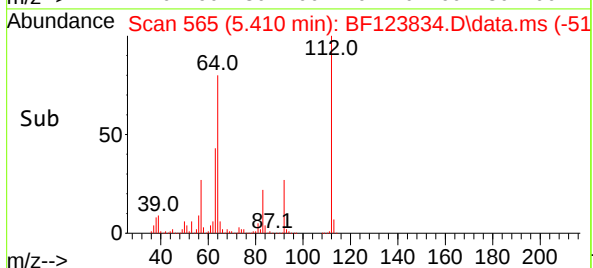
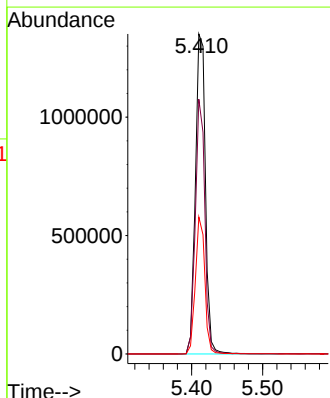
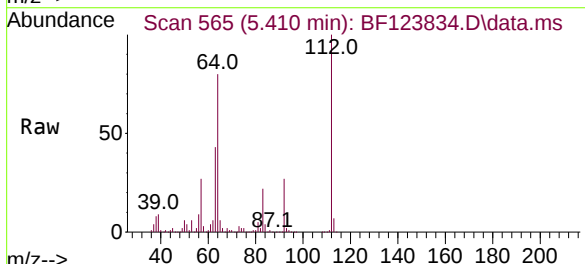
Instrument :
BNA_F
ClientSampled :
EME-16

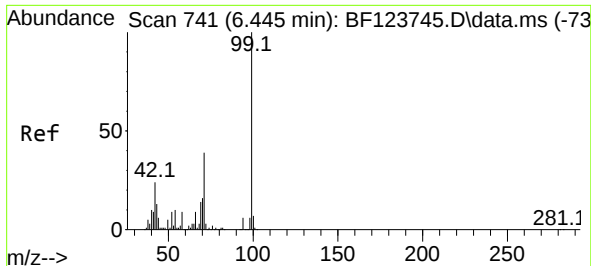
Tgt Ion:152 Resp: 237327
Ion Ratio Lower Upper
152 100
150 159.5 127.0 190.6
115 64.0 54.3 81.5



#5
2-Fluorophenol
Concen: 88.81 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.000 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

Tgt Ion:112 Resp: 1330385
Ion Ratio Lower Upper
112 100
64 79.6 61.4 92.0
63 42.8 33.0 49.4

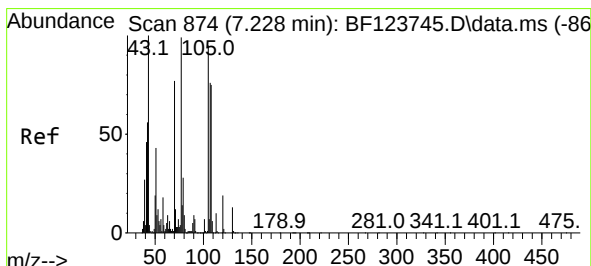
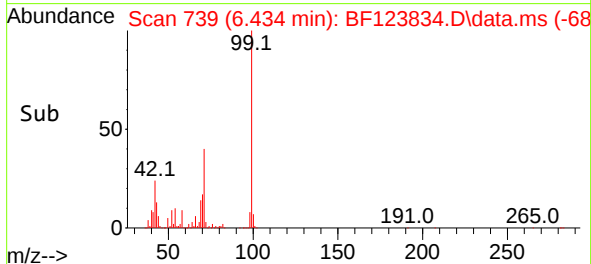
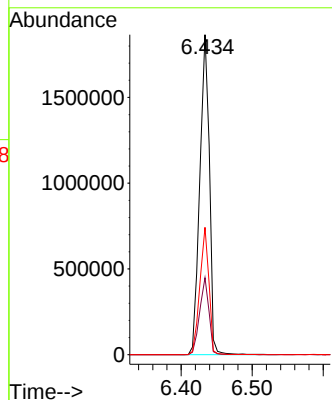
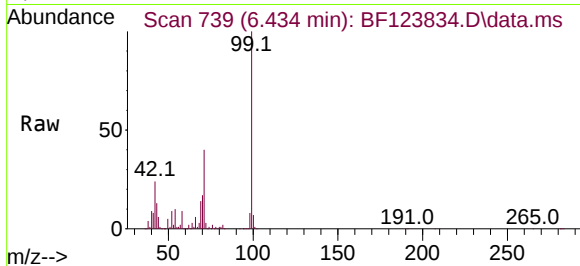




#7
Phenol-d6
Concen: 85.15 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

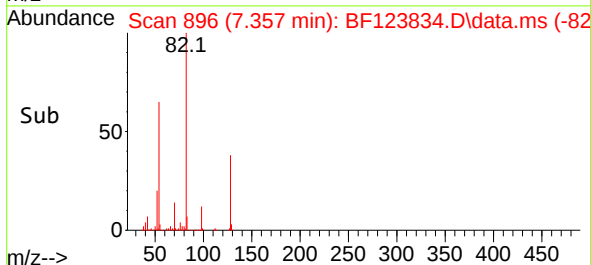
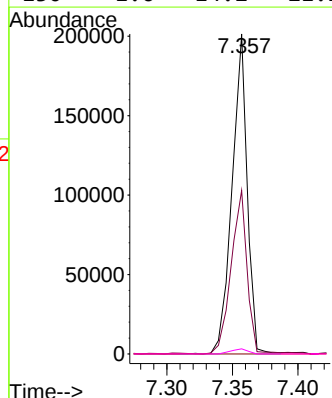
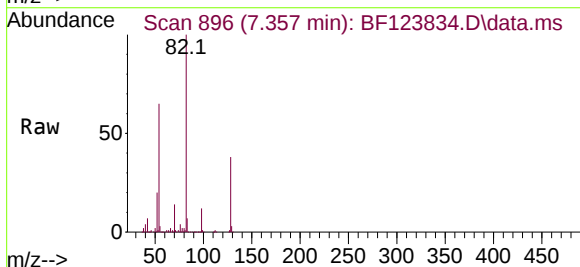
Instrument :
BNA_F
ClientSampleId :
EME-16

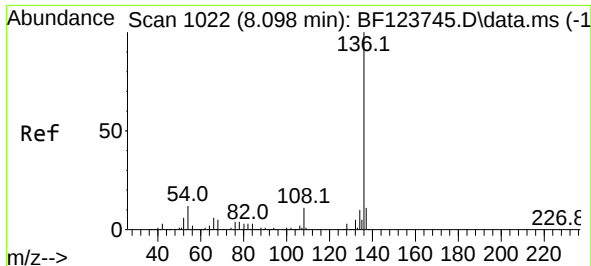
Tgt Ion: 99 Resp: 1757229
Ion Ratio Lower Upper
99 100
42 24.1 19.8 29.8
71 39.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.69 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

Tgt Ion: 70 Resp: 161656
Ion Ratio Lower Upper
70 100
42 51.1 60.1 90.1#
101 0.0 7.4 11.2#
130 1.6 14.2 21.2#



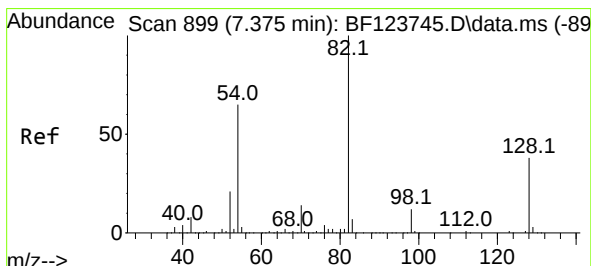
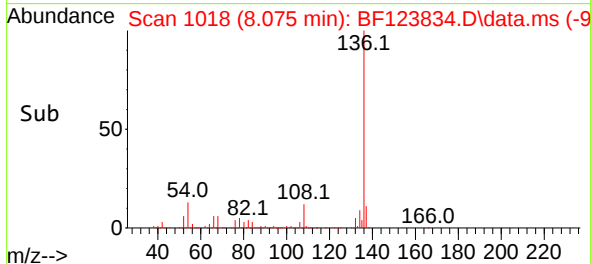
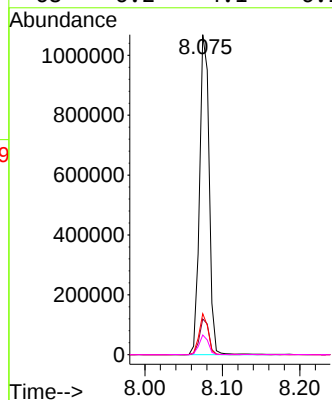
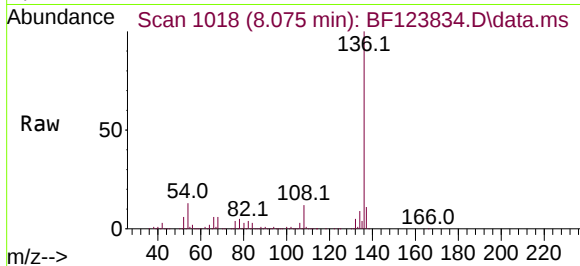


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

Instrument :
BNA_F
ClientSampleId :
EME-16

Tgt Ion:136 Resp: 917364

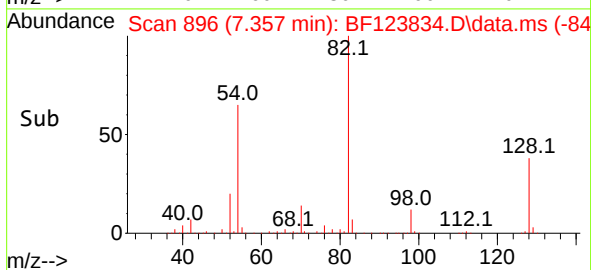
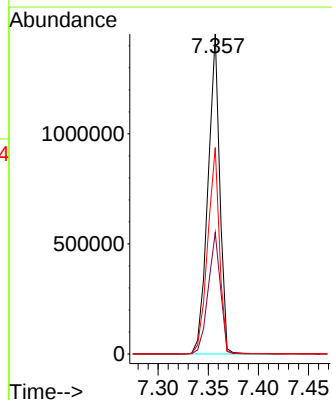
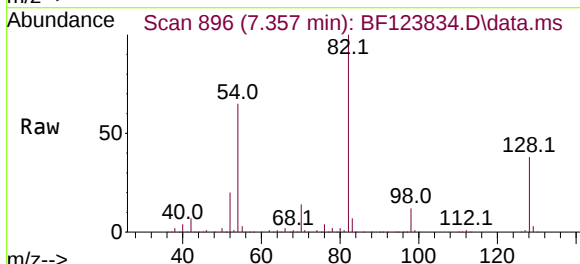
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	12.8	9.8	14.6
68	6.2	4.1	6.1

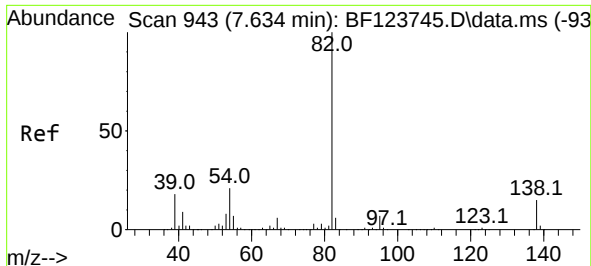


#23
Nitrobenzene-d5
Concen: 59.01 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

Tgt Ion: 82 Resp: 1199257

Ion	Ratio	Lower	Upper
82	100		
128	38.0	29.4	44.2
54	64.5	54.1	81.1

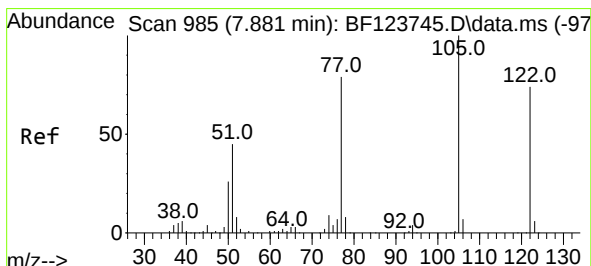
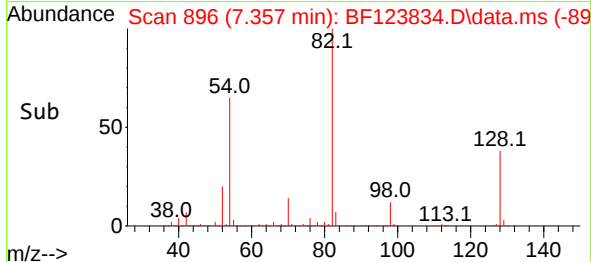
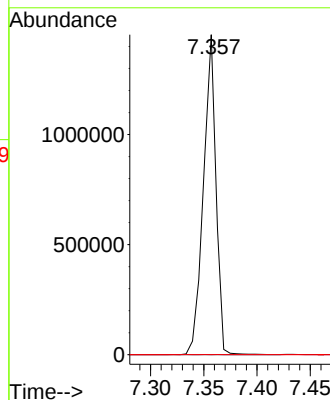
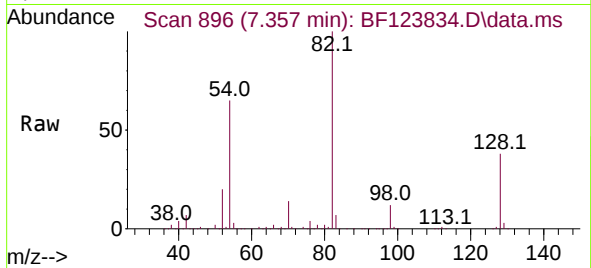




#25
Isophorone
Concen: 31.47 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

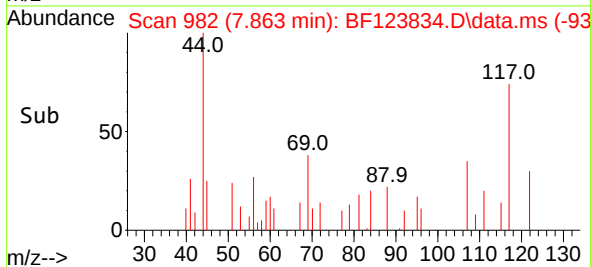
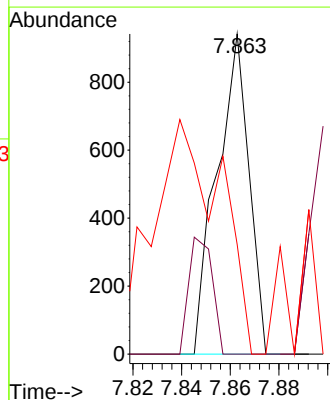
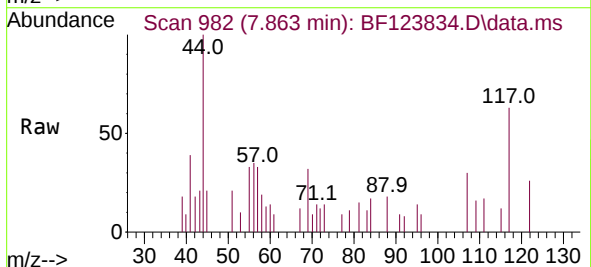
Instrument :
BNA_F
ClientSampleId :
EME-16

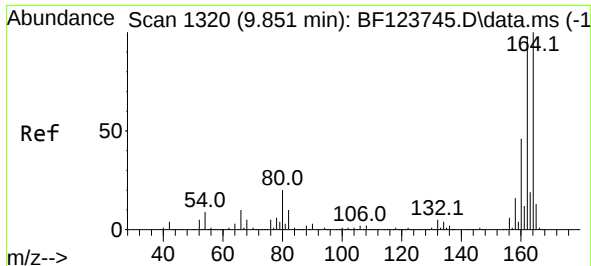
Tgt Ion: 82 Resp: 1199232
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 5.47 ng
RT: 7.863 min Scan# 982
Delta R.T. -0.012 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

Tgt Ion: 122 Resp: 862
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 34.3 81.6 121.6#

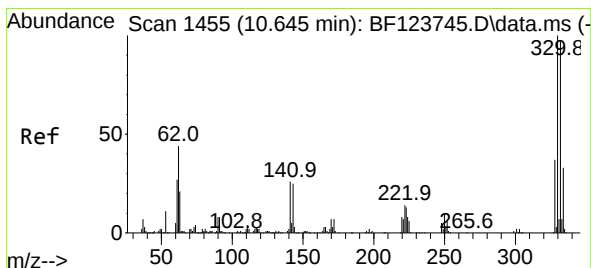
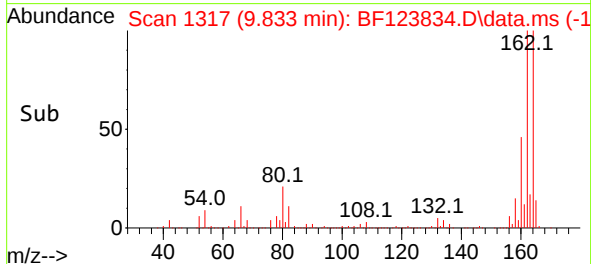
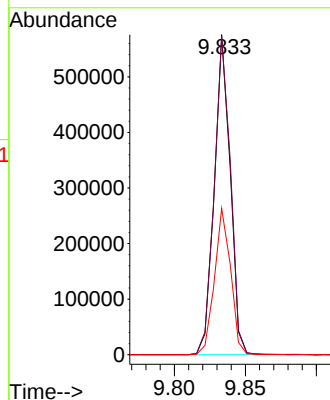
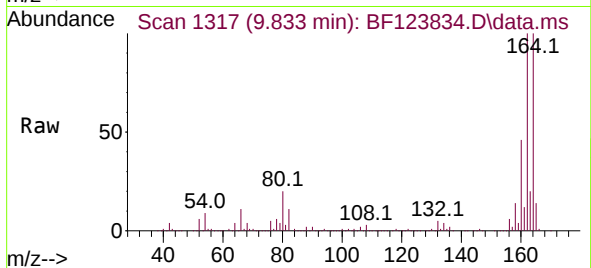




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

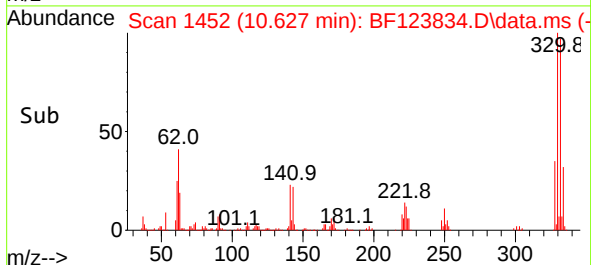
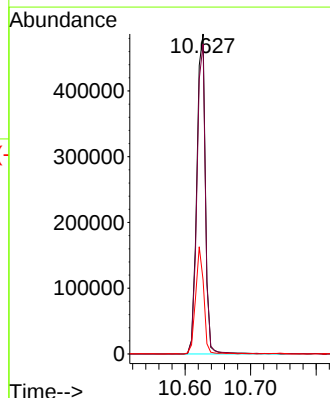
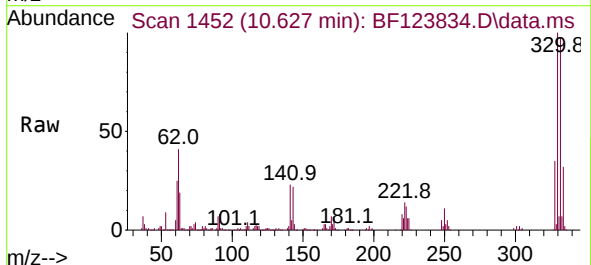
Instrument :
BNA_F
ClientSampled :
EME-16

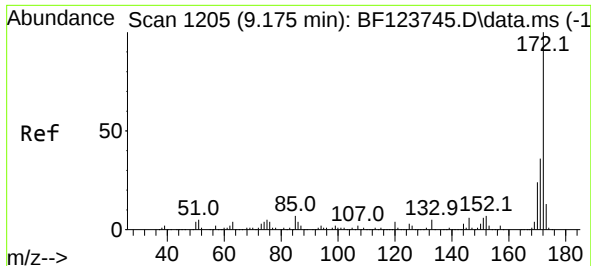
Tgt Ion:164 Resp: 446522
Ion Ratio Lower Upper
164 100
162 99.6 80.7 121.1
160 45.7 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 79.77 ng
RT: 10.627 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

Tgt Ion:330 Resp: 443401
Ion Ratio Lower Upper
330 100
332 95.3 77.1 115.7
141 31.7 27.9 41.9

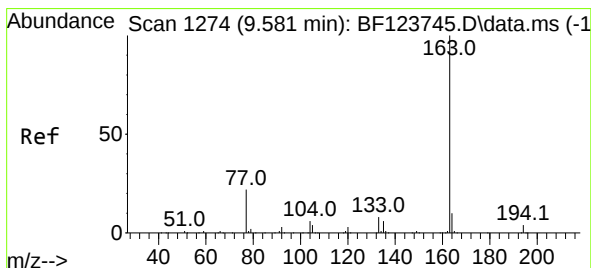
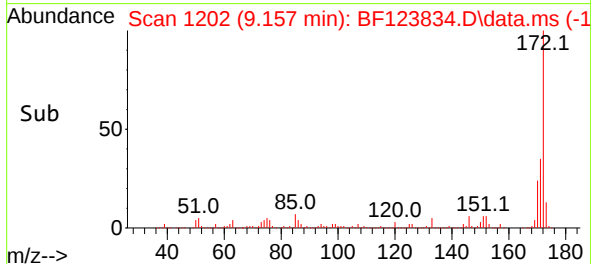
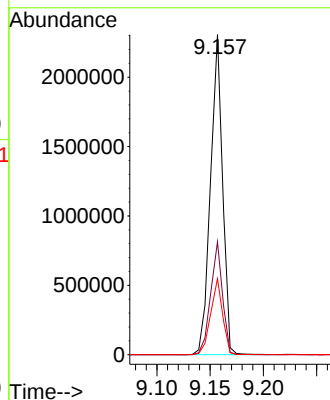
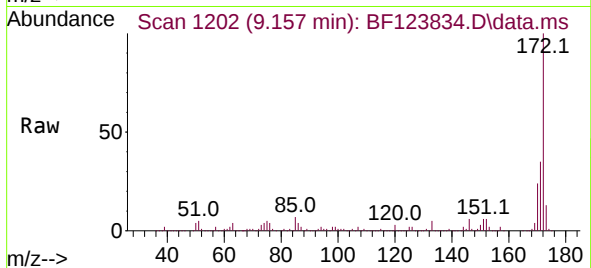




#45
2-Fluorobiphenyl
Concen: 59.52 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

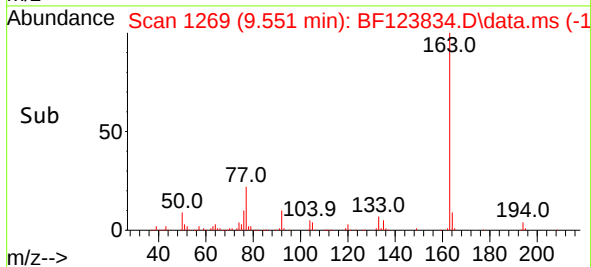
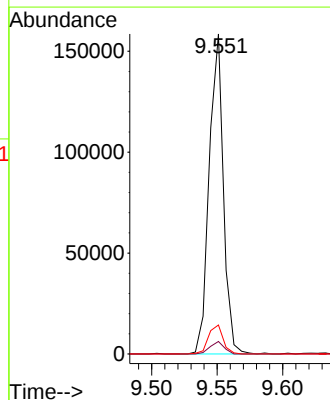
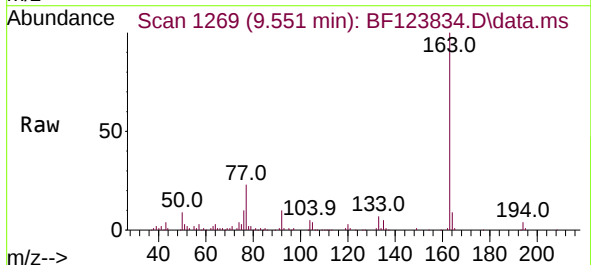
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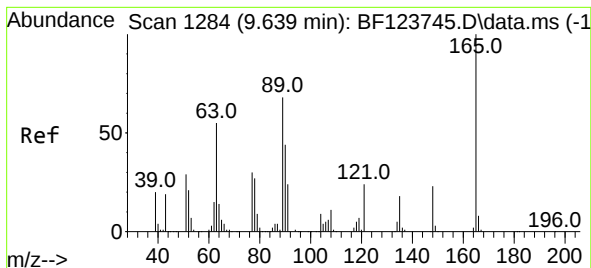
Tgt Ion:172 Resp: 1825025
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.8 19.2 28.8



#50
Dimethylphthalate
Concen: 3.80 ng
RT: 9.551 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

Tgt Ion:163 Resp: 119549
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.1 8.2 12.2

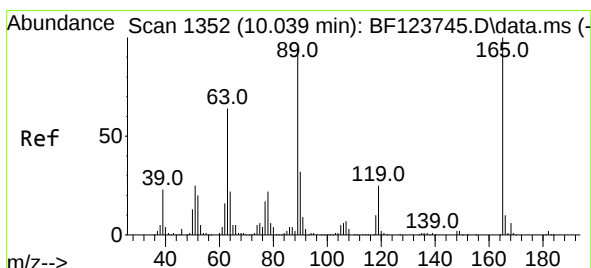
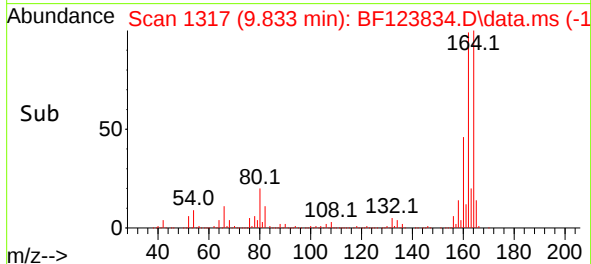
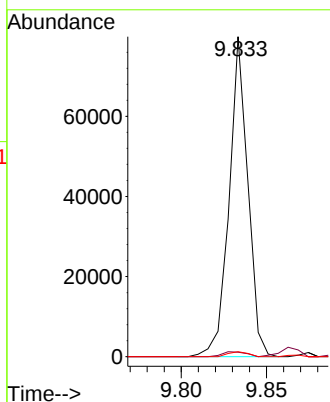
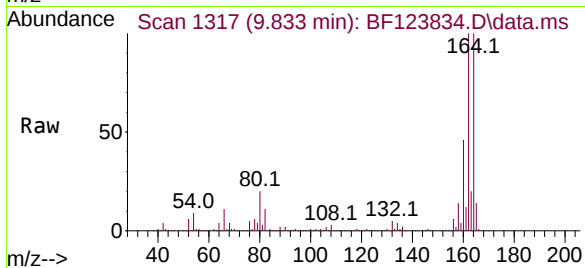




#51
2,6-Dinitrotoluene
Concen: 8.39 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

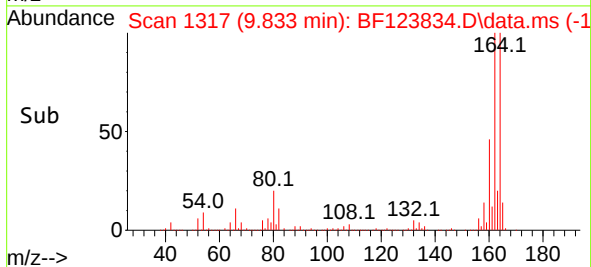
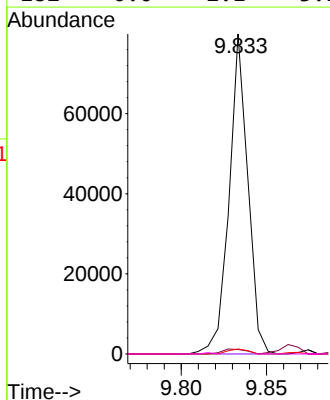
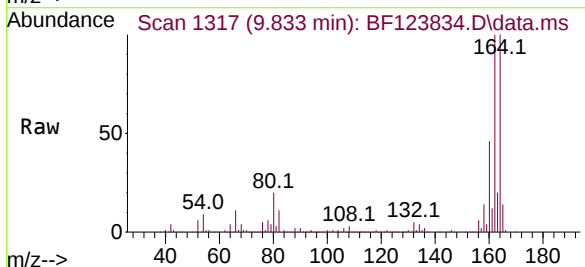
Instrument :
BNA_F
ClientSampled :
EME-16

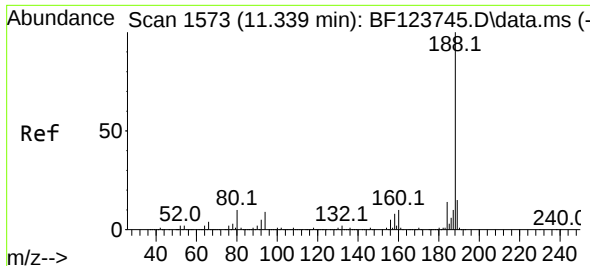
Tgt Ion:165 Resp: 61000
Ion Ratio Lower Upper
165 100
63 1.4 67.7 101.5#
89 1.6 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.15 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.200 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

Tgt Ion:165 Resp: 61000
Ion Ratio Lower Upper
165 100
63 1.4 43.5 65.3#
89 1.6 67.7 101.5#
182 0.0 2.1 3.1#

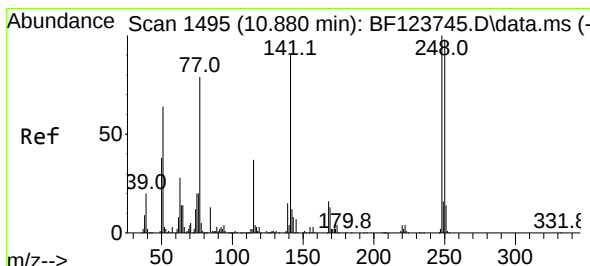
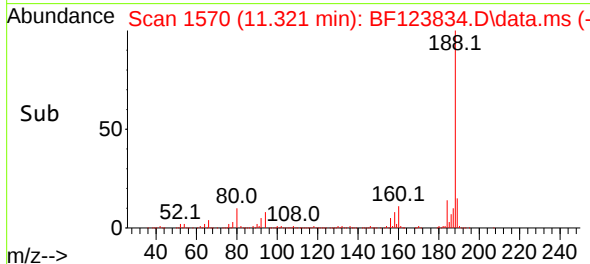
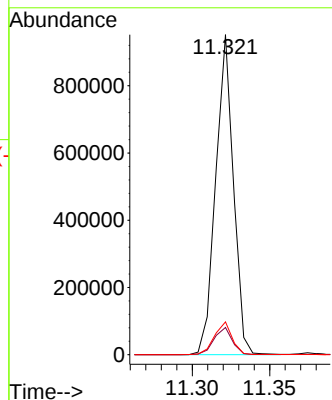
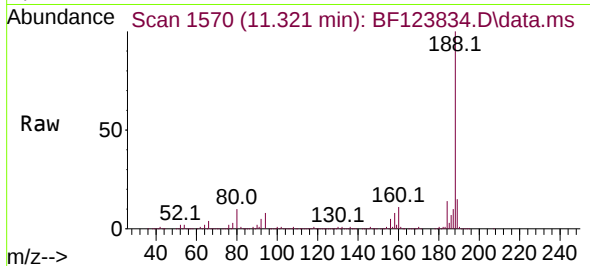




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

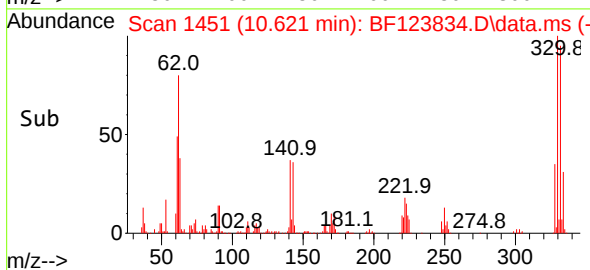
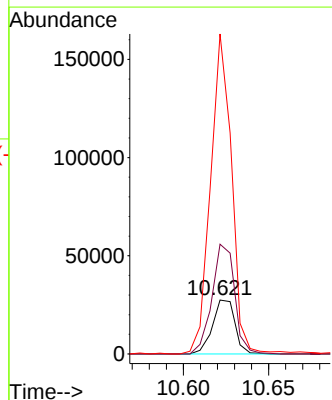
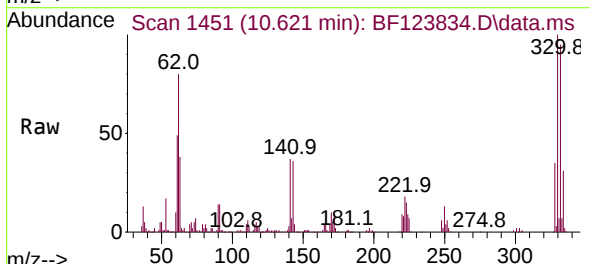
Instrument :
BNA_F
ClientSampled :
EME-16

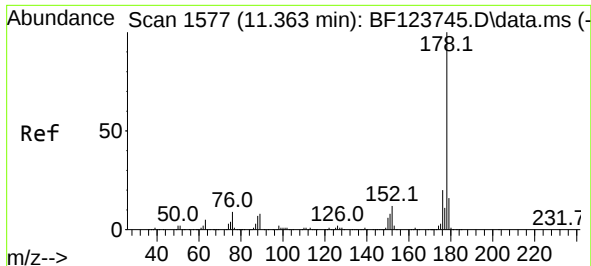
Tgt Ion:188 Resp: 756900
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 10.3 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 3.16 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.253 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

Tgt Ion:248 Resp: 25188
Ion Ratio Lower Upper
248 100
250 203.7 77.4 116.2#
141 594.0 63.7 95.5#

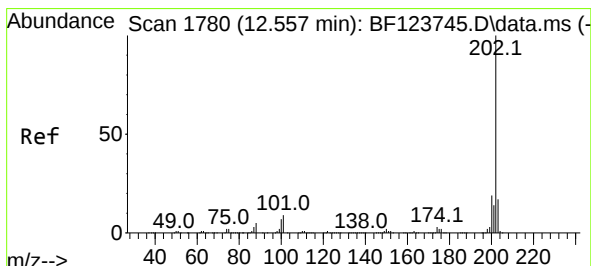
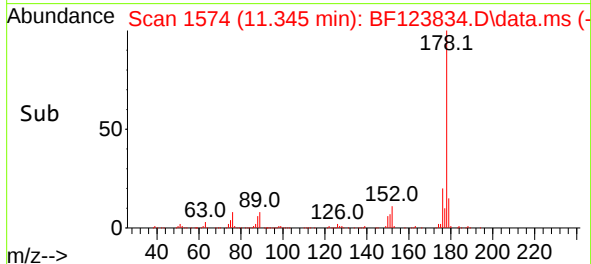
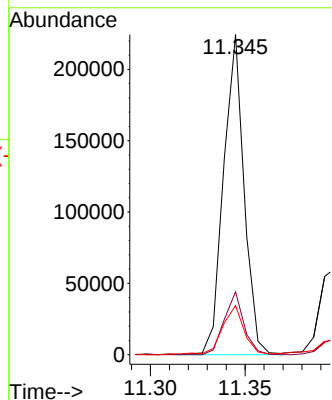
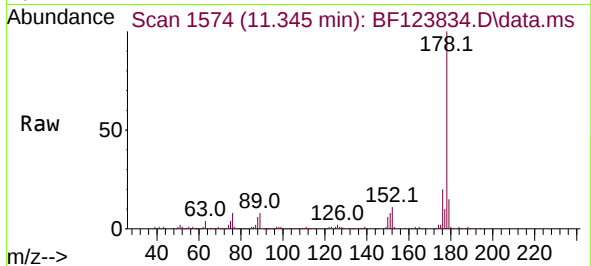




#71
Phenanthrene
Concen: 4.27 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

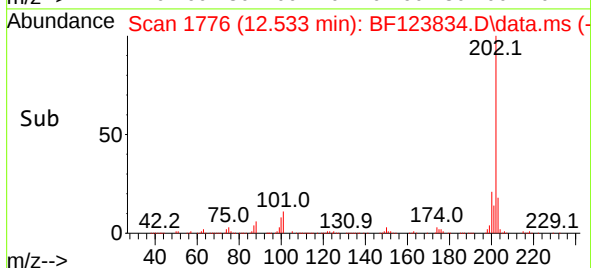
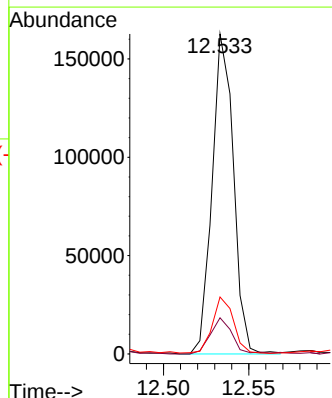
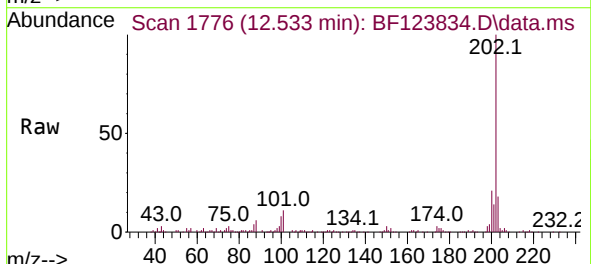
Instrument :
BNA_F
ClientSampled :
EME-16

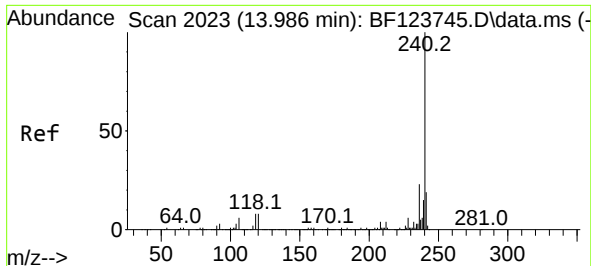
Tgt Ion:178 Resp: 169343
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.4 12.5 18.7



#75
Fluoranthene
Concen: 3.28 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

Tgt Ion:202 Resp: 141976
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.9
203 17.8 0.0 37.5

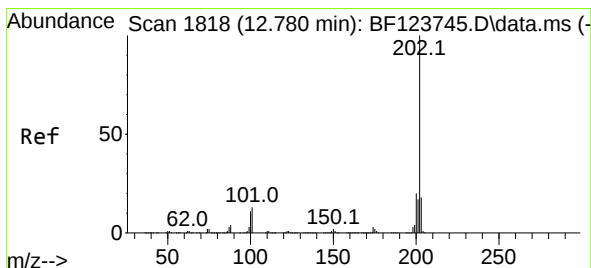
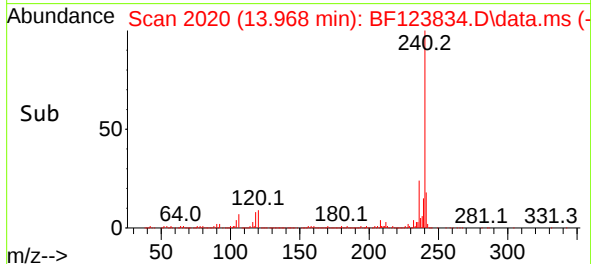
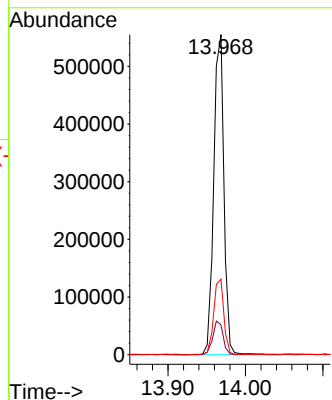
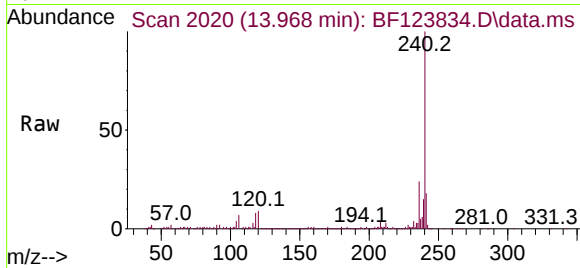




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

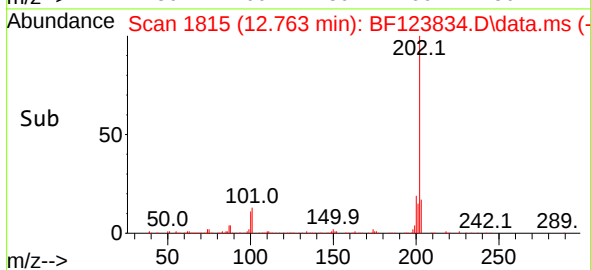
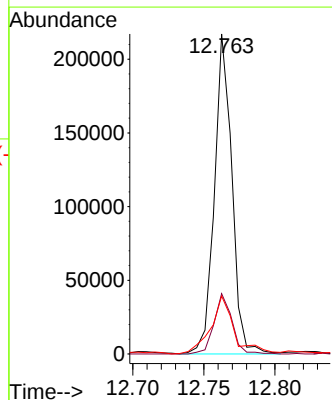
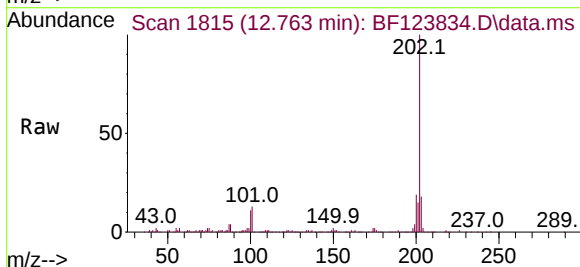
Instrument :
BNA_F
ClientSampleId :
EME-16

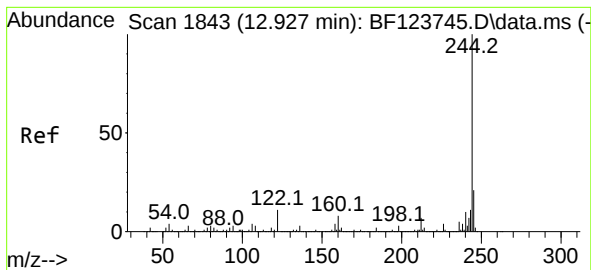
Tgt Ion:240 Resp: 507314
Ion Ratio Lower Upper
240 100
120 9.3 7.2 10.8
236 23.6 19.0 28.4



#78
Pyrene
Concen: 4.72 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

Tgt Ion:202 Resp: 185845
Ion Ratio Lower Upper
202 100
200 18.8 16.1 24.1
203 18.1 14.8 22.2





#79

Terphenyl-d14

Concen: 52.90 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF123834.D

Acq: 5 May 2021 18:39

Tgt Ion:244 Resp: 1393631

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

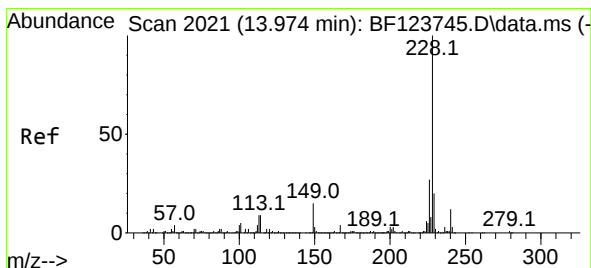
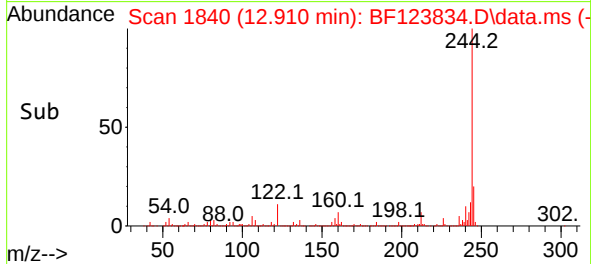
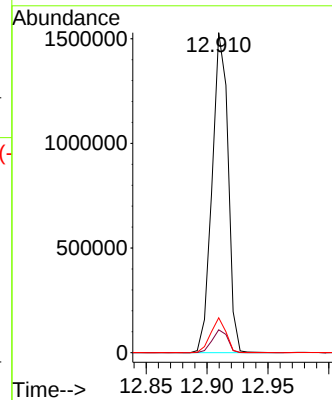
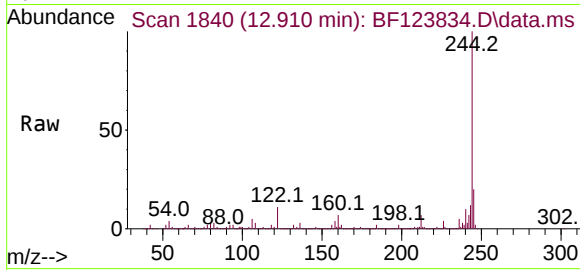
122 10.9 9.7 14.5

Instrument :

BNA_F

ClientSampleId :

EME-16



#81

Benzo(a)anthracene

Concen: 2.37 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF123834.D

Acq: 5 May 2021 18:39

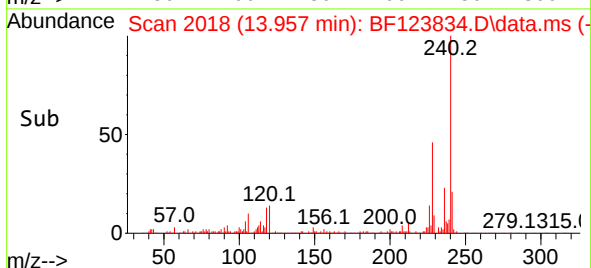
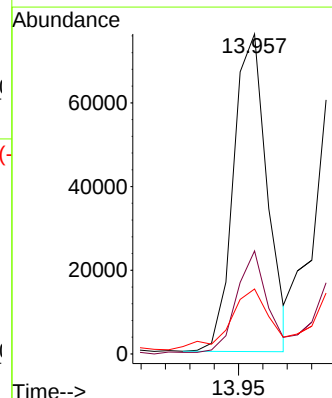
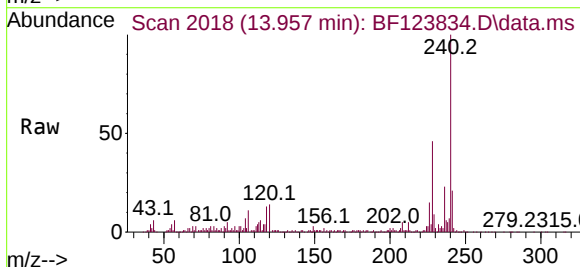
Tgt Ion:228 Resp: 72932

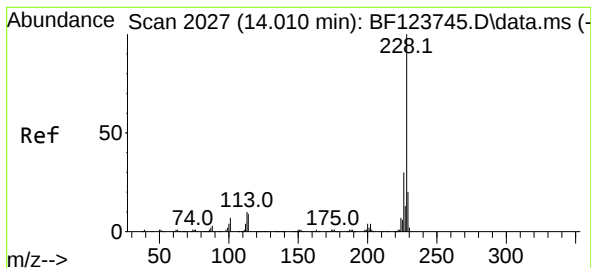
Ion Ratio Lower Upper

228 100

226 32.2 22.4 33.6

229 20.3 16.0 24.0





#83

Chrysene

Concen: 2.55 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.012 min

Lab File: BF123834.D

Acq: 5 May 2021 18:39

Tgt Ion:228 Resp: 78841

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

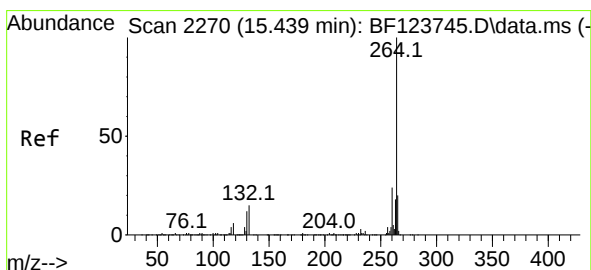
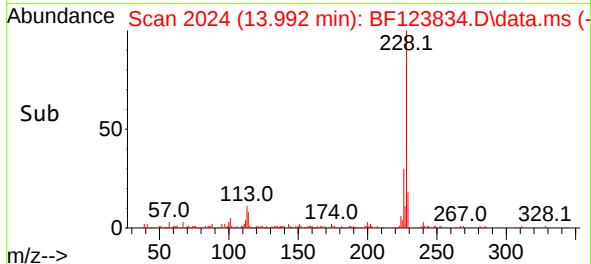
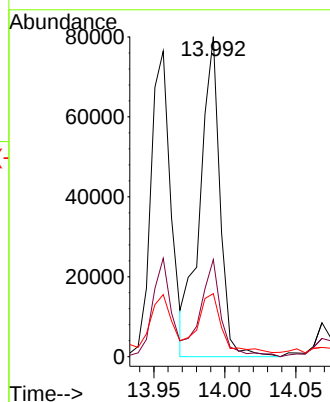
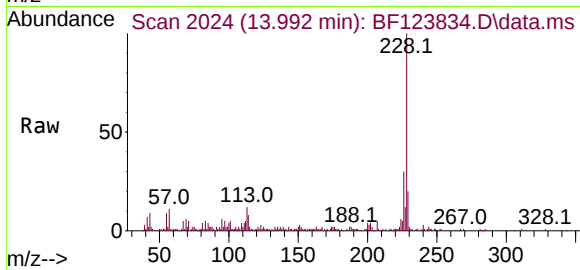
229 19.7 16.2 24.2

Instrument :

BNA_F

ClientSampled :

EME-16



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.006 min

Lab File: BF123834.D

Acq: 5 May 2021 18:39

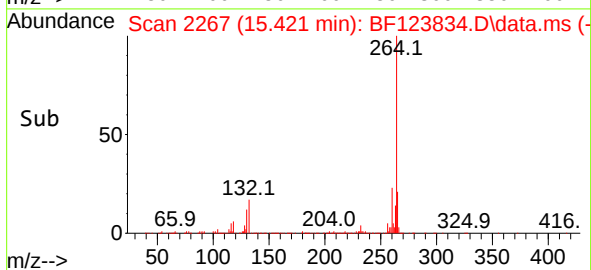
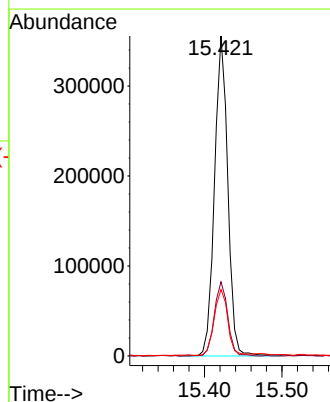
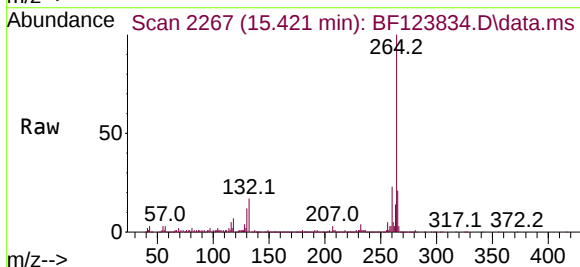
Tgt Ion:264 Resp: 422828

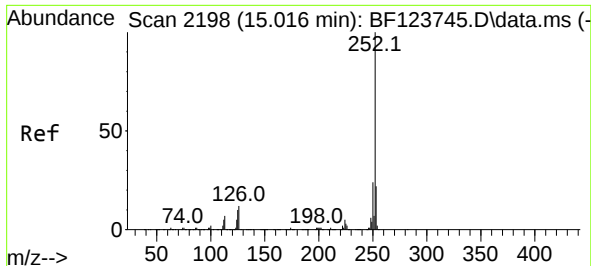
Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

265 20.8 17.8 26.8

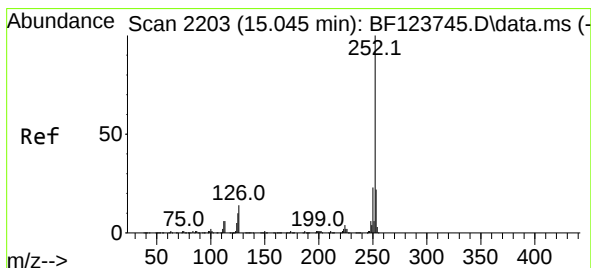
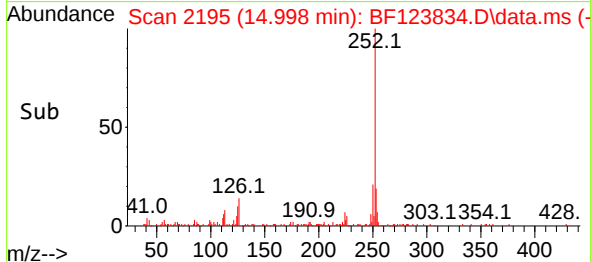
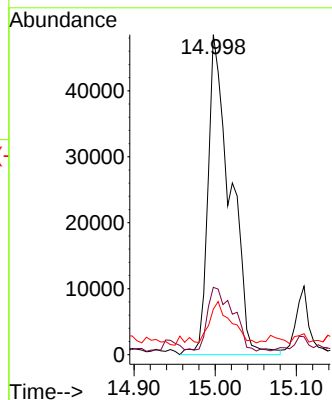
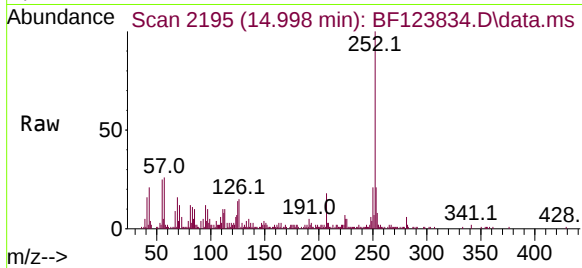




#88
Benzo(b)fluoranthene
Concen: 3.27 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

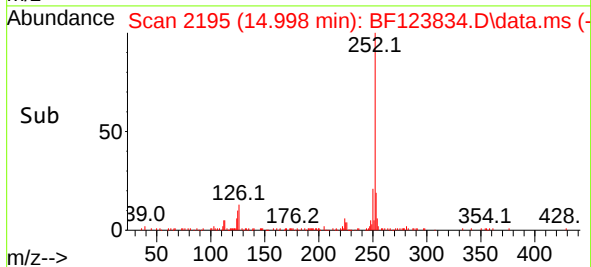
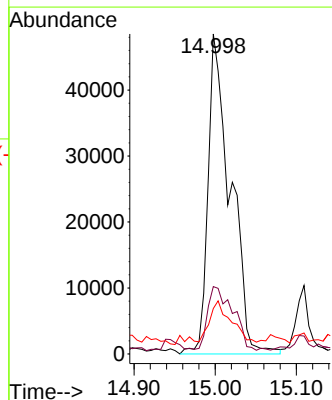
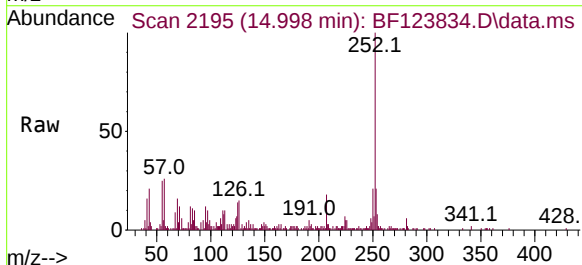
Instrument :
BNA_F
ClientSampled :
EME-16

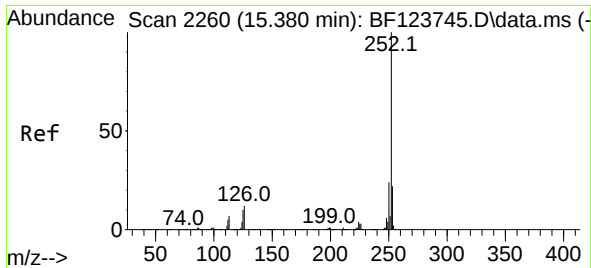
Tgt Ion:252 Resp: 93283
Ion Ratio Lower Upper
252 100
253 21.1 18.1 27.1
125 14.2 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 3.43 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.041 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

Tgt Ion:252 Resp: 93283
Ion Ratio Lower Upper
252 100
253 21.1 17.9 26.9
125 14.2 7.0 10.6#





#90
Benzo(a)pyrene
Concen: 2.18 ng
RT: 15.356 min Scan# 2256
Delta R.T. -0.012 min
Lab File: BF123834.D
Acq: 5 May 2021 18:39

Instrument :
BNA_F
ClientSampleId :
EME-16

Tgt Ion:252 Resp: 53103
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 14.7 8.0 12.0#

