

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050521\
 Data File : BF123832.D
 Acq On : 5 May 2021 17:36
 Operator : JU/CG
 Sample : M2279-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-14

Quant Time: May 05 17:58:33 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)

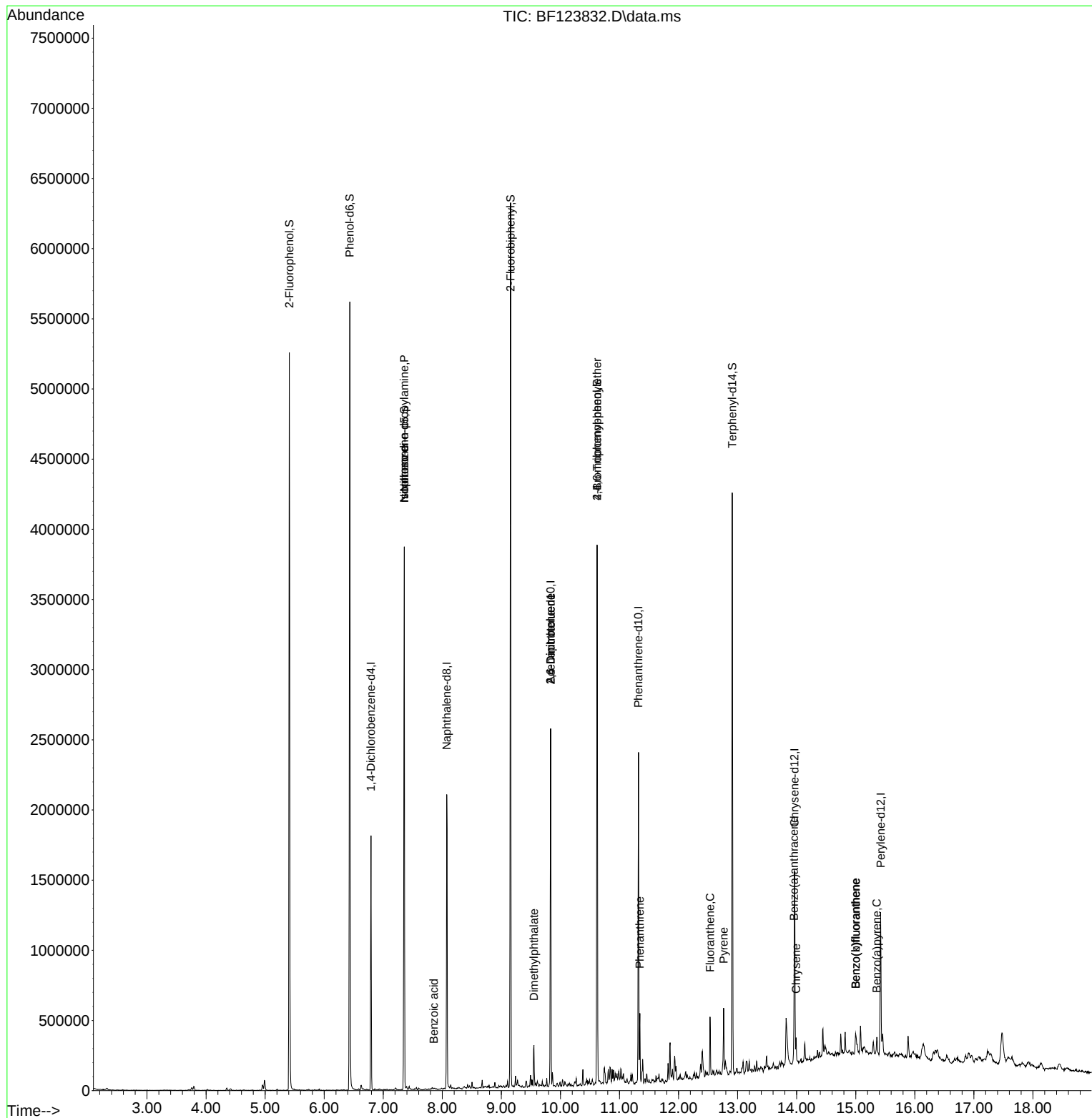
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	215854	20.00	ng	0.00
21) Naphthalene-d8	8.075	136	846632	20.00	ng	0.00
39) Acenaphthene-d10	9.833	164	428967	20.00	ng	0.00
64) Phenanthrene-d10	11.321	188	749624	20.00	ng	0.00
76) Chrysene-d12	13.962	240	462477	20.00	ng	#-0.01
86) Perylene-d12	15.421	264	437466	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1182532	86.79	ng	0.00
7) Phenol-d6	6.434	99	1560956	83.17	ng	0.00
23) Nitrobenzene-d5	7.357	82	1066635	56.87	ng	0.00
42) 2,4,6-Tribromophenol	10.621	330	418233	78.32	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1603941	54.45	ng	0.00
79) Terphenyl-d14	12.910	244	1239813	51.62	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	141242	12.19	ng	# 71
25) Isophorone	7.357	82	1066625	30.33	ng	# 69
32) Benzoic acid	7.857	122	653	5.46	ng	# 29
50) Dimethylphthalate	9.551	163	94892	3.14	ng	99
51) 2,6-Dinitrotoluene	9.833	165	55400	7.93	ng	# 12
57) 2,4-Dinitrotoluene	9.833	165	55400	5.82	ng	# 17
67) 4-Bromophenyl-phenylether	10.621	248	22720	2.88	ng	# 1
71) Phenanthrene	11.345	178	163130	4.15	ng	99
75) Fluoranthene	12.533	202	156276	3.64	ng	97
78) Pyrene	12.763	202	182656	5.09	ng	98
81) Benzo(a)anthracene	13.957	228	71015	2.53	ng	96
83) Chrysene	13.992	228	70077	2.49	ng	97
88) Benzo(b)fluoranthene	14.998	252	98604	3.34	ng	# 94
89) Benzo(k)fluoranthene	14.998	252	98604	3.50	ng	# 94
90) Benzo(a)pyrene	15.356	252	57321	2.27	ng	# 90

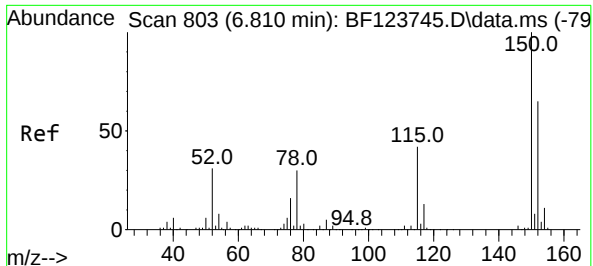
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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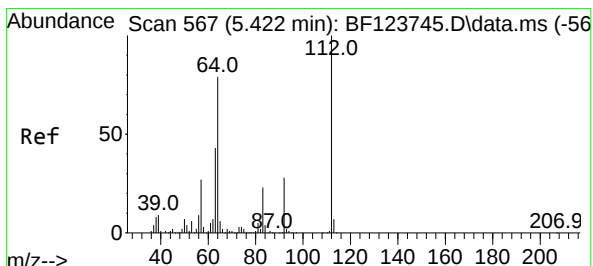
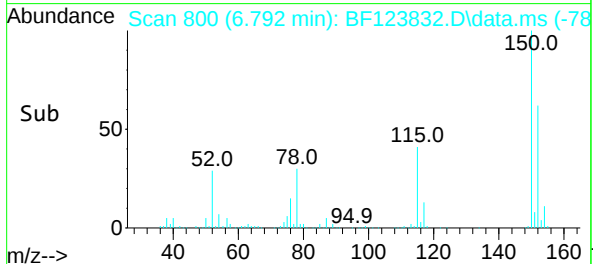
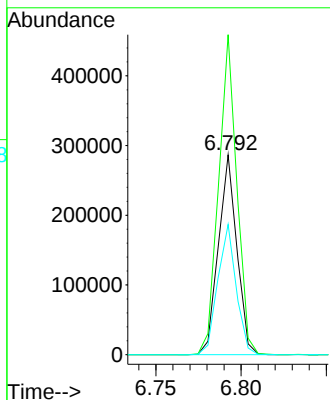
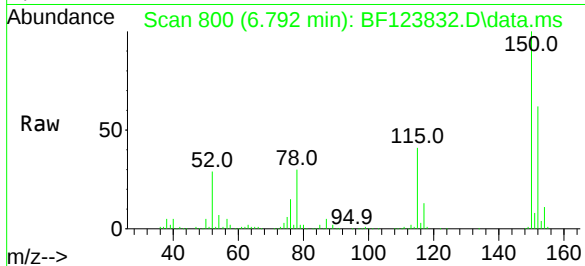




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

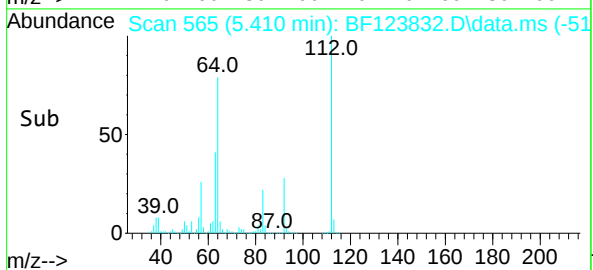
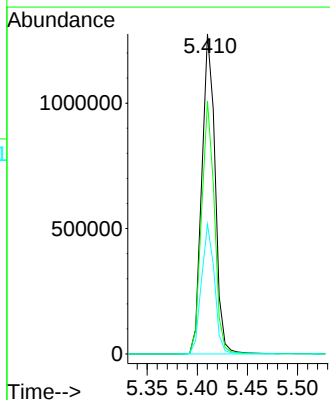
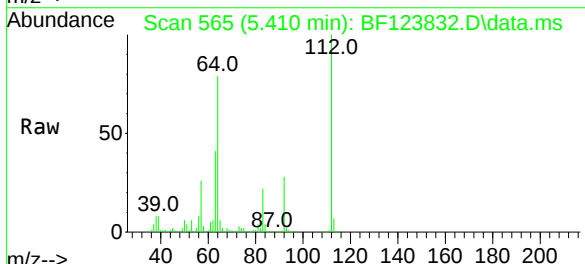
Instrument :
BNA_F
ClientSampleId :
EME-14

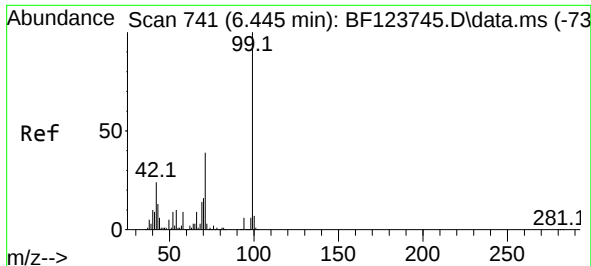
Tgt Ion:152 Resp: 215854
Ion Ratio Lower Upper
152 100
150 160.2 127.0 190.6
115 65.2 54.3 81.5



#5
2-Fluorophenol
Concen: 86.79 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.000 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

Tgt Ion:112 Resp: 1182532
Ion Ratio Lower Upper
112 100
64 79.0 61.4 92.0
63 40.6 33.0 49.4

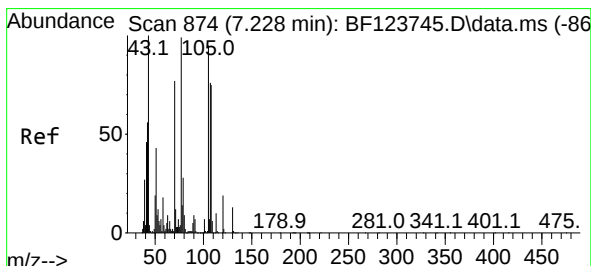
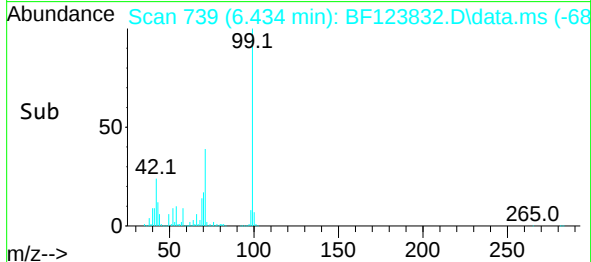
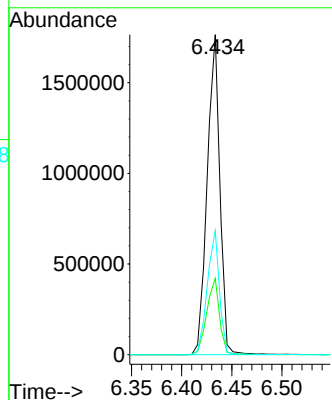
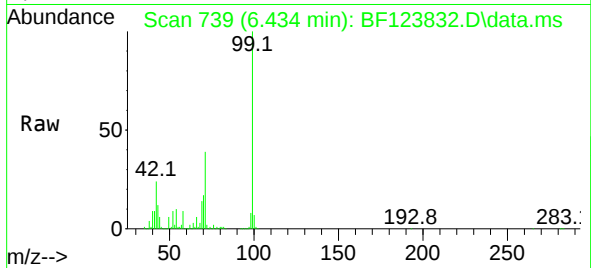




#7
Phenol-d6
Concen: 83.17 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

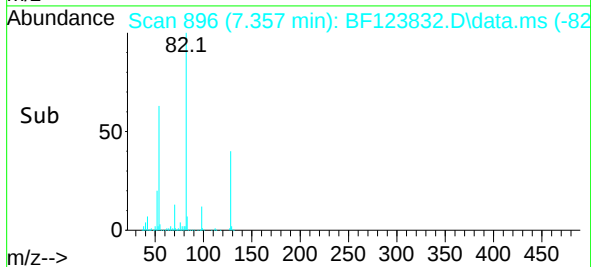
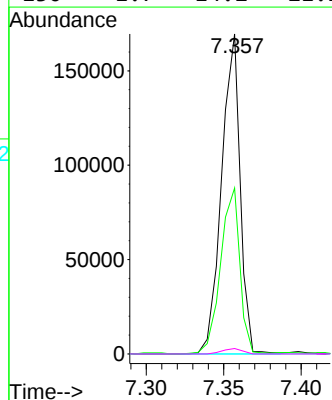
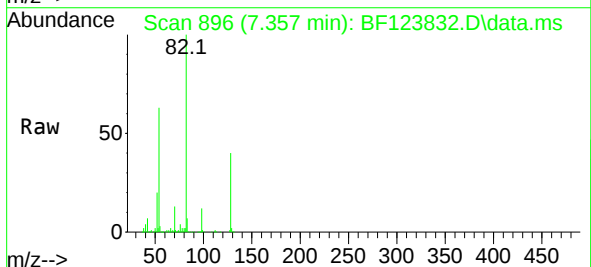
Instrument :
BNA_F
ClientSampleId :
EME-14

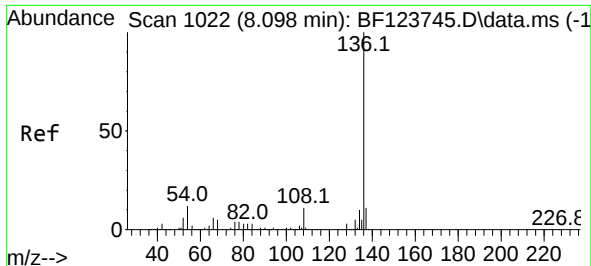
Tgt Ion: 99 Resp: 1560956
Ion Ratio Lower Upper
99 100
42 23.8 19.8 29.8
71 38.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.19 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

Tgt Ion: 70 Resp: 141242
Ion Ratio Lower Upper
70 100
42 51.8 60.1 90.1#
101 0.0 7.4 11.2#
130 1.7 14.2 21.2#



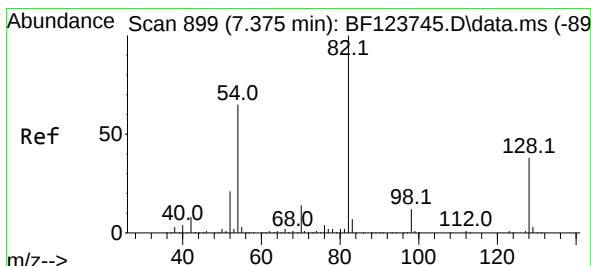
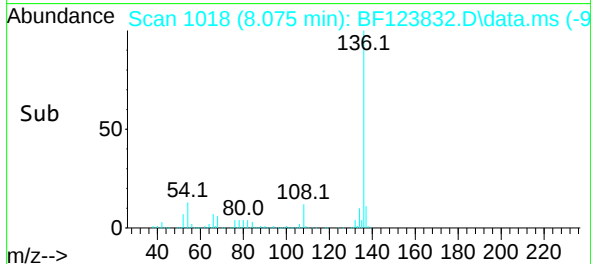
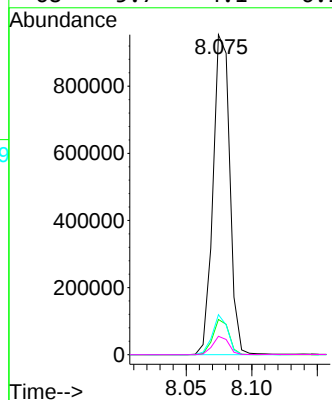
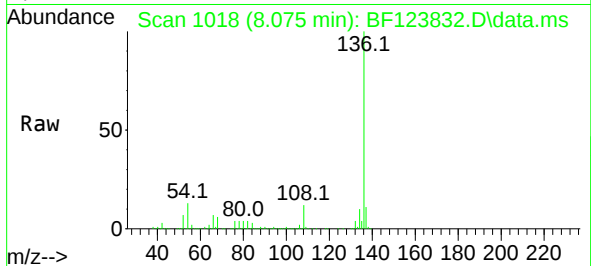


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

Instrument :
BNA_F
ClientSampleId :
EME-14

Tgt Ion:136 Resp: 846632

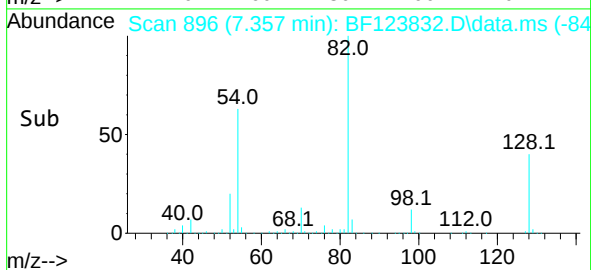
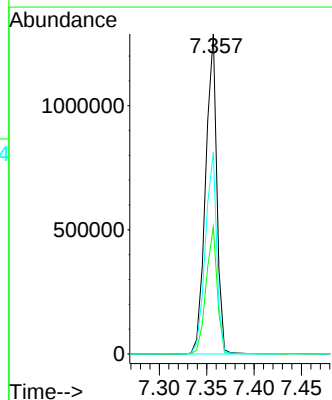
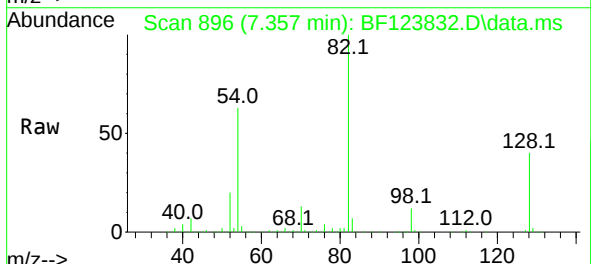
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	12.5	9.8	14.6
68	5.7	4.1	6.1

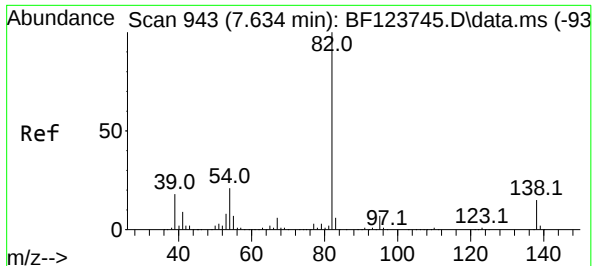


#23
Nitrobenzene-d5
Concen: 56.87 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

Tgt Ion: 82 Resp: 1066635

Ion	Ratio	Lower	Upper
82	100		
128	39.7	29.4	44.2
54	63.0	54.1	81.1

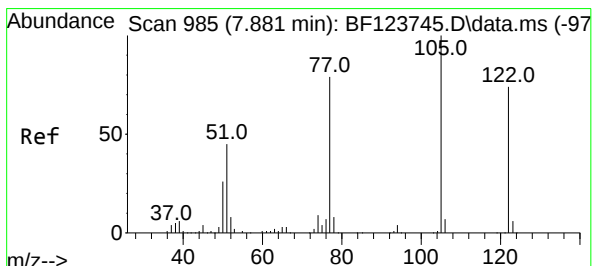
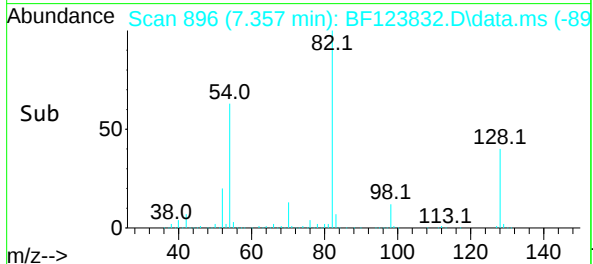
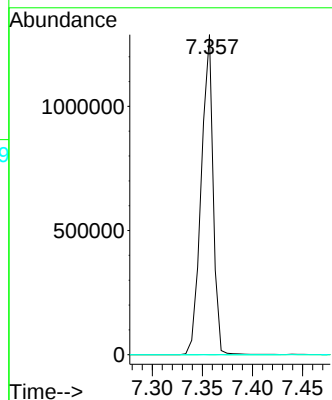
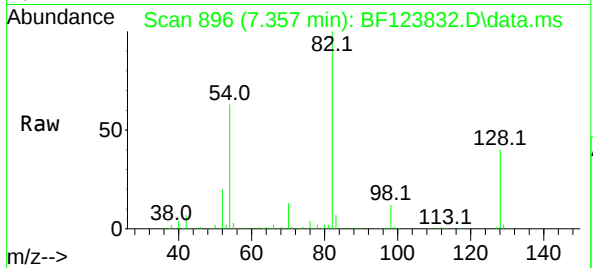




#25
Isophorone
Concen: 30.33 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

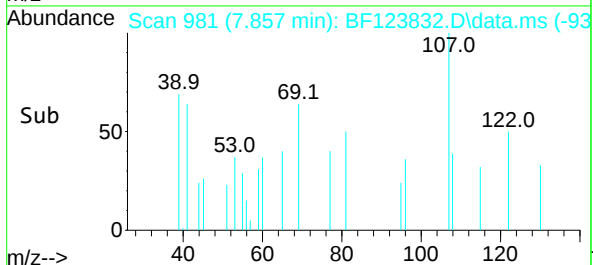
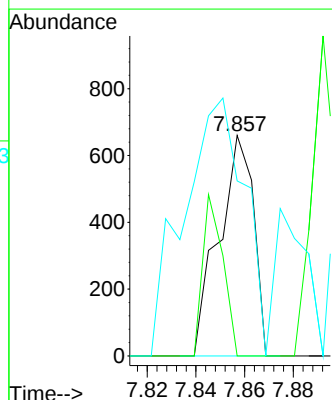
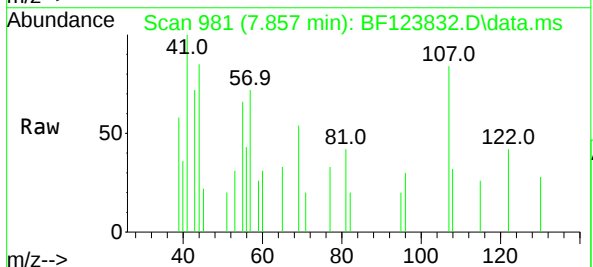
Instrument :
BNA_F
ClientSampled :
EME-14

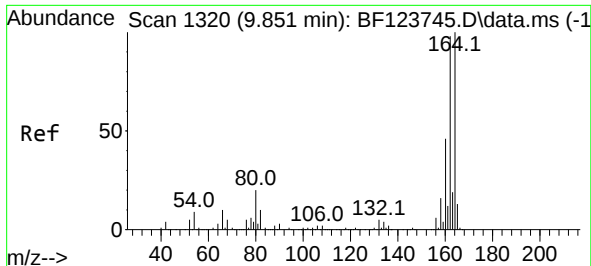
Tgt Ion: 82 Resp: 1066625
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 5.46 ng
RT: 7.857 min Scan# 981
Delta R.T. -0.018 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

Tgt Ion:122 Resp: 653
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 79.4 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: BF123832.D

Acq: 5 May 2021 17:36

Tgt Ion:164 Resp: 428967

Ion Ratio Lower Upper

164 100

162 99.1 80.7 121.1

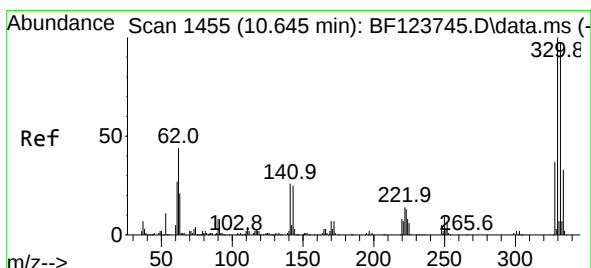
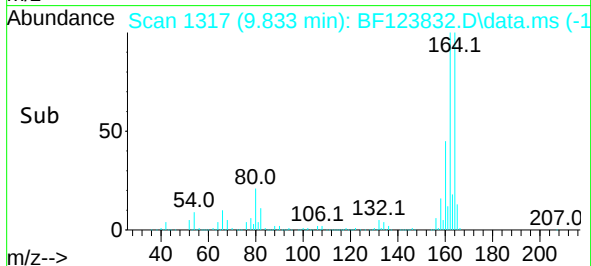
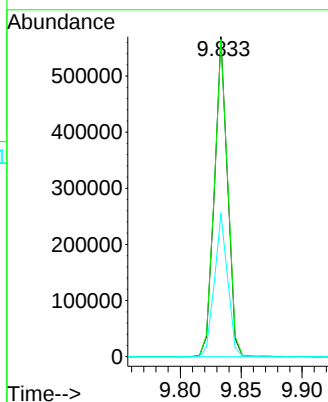
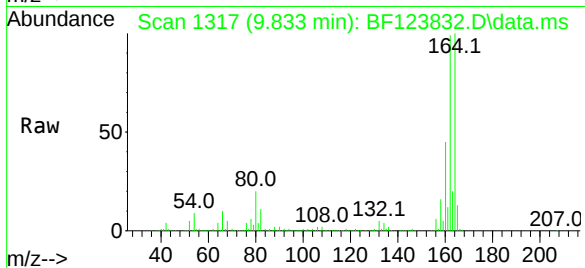
160 44.5 37.3 55.9

Instrument :

BNA_F

ClientSampleId :

EME-14



#42

2,4,6-Tribromophenol

Concen: 78.32 ng

RT: 10.621 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF123832.D

Acq: 5 May 2021 17:36

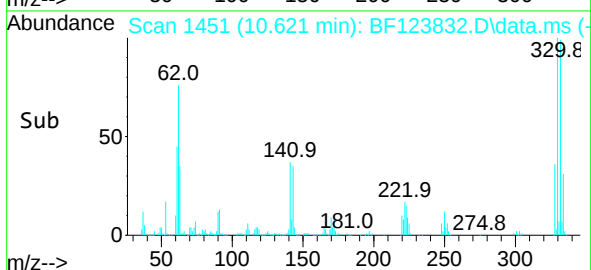
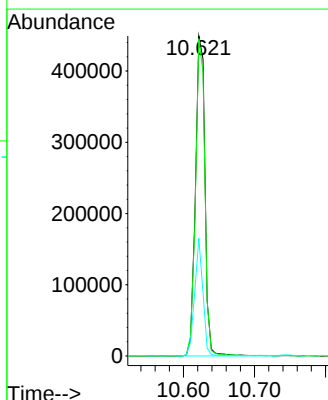
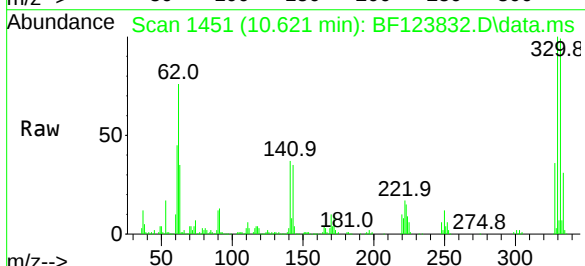
Tgt Ion:330 Resp: 418233

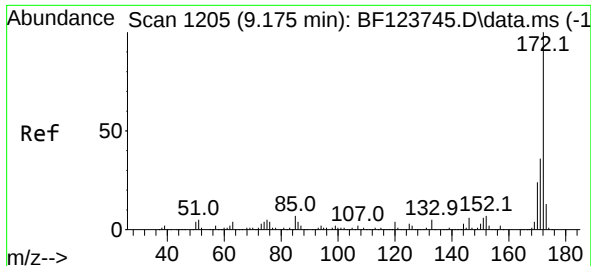
Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

141 32.1 27.9 41.9

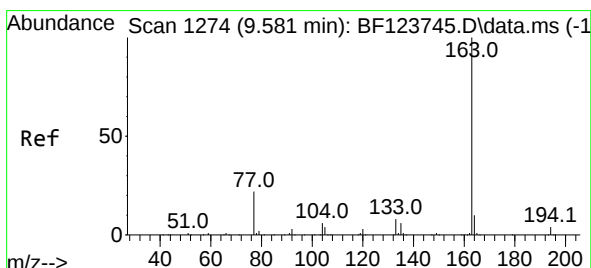
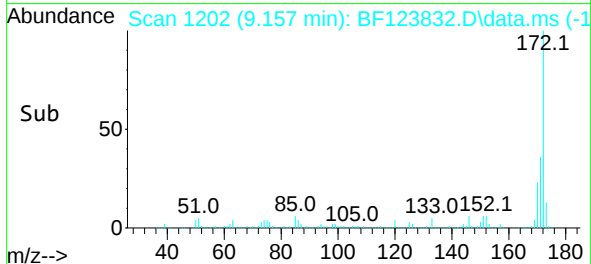
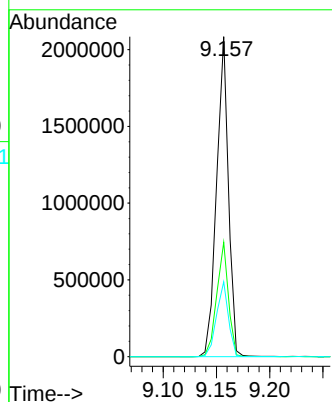
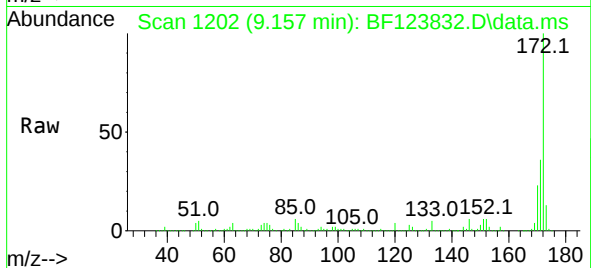




#45
2-Fluorobiphenyl
Concen: 54.45 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

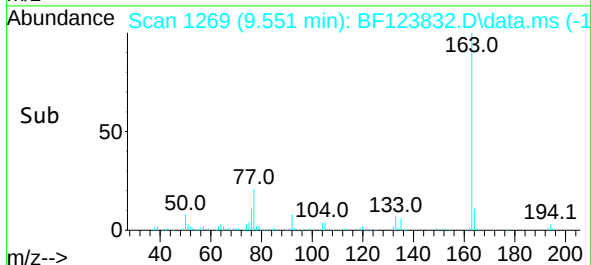
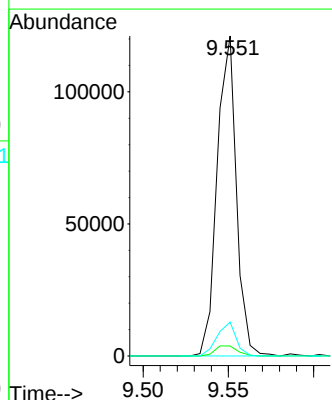
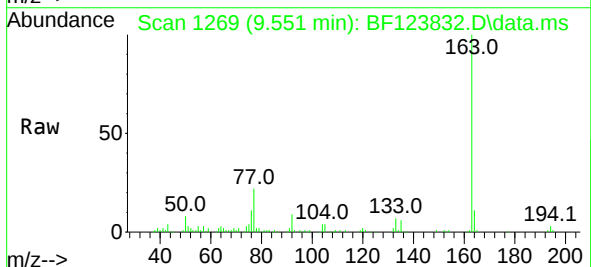
Instrument :
BNA_F
ClientSampleId :
EME-14

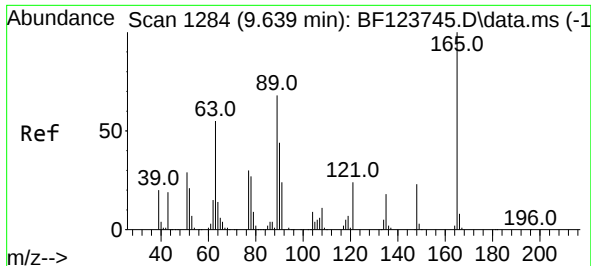
Tgt Ion:172 Resp: 1603941
Ion Ratio Lower Upper
172 100
171 35.8 28.1 42.1
170 23.4 19.2 28.8



#50
Dimethylphthalate
Concen: 3.14 ng
RT: 9.551 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

Tgt Ion:163 Resp: 94892
Ion Ratio Lower Upper
163 100
194 3.1 3.1 4.7
164 10.6 8.2 12.2

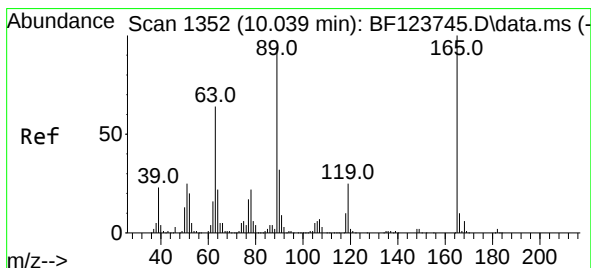
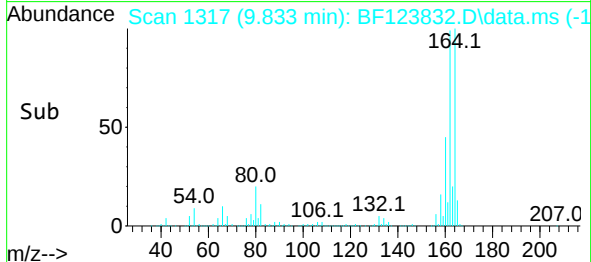
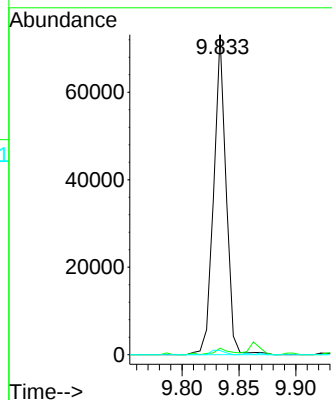
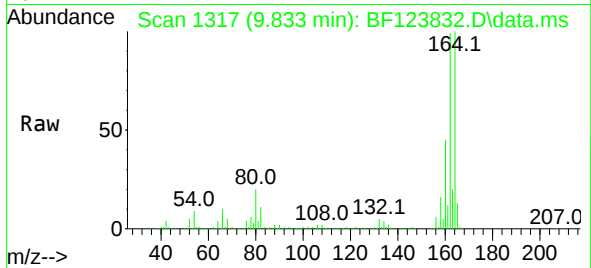




#51
2,6-Dinitrotoluene
Concen: 7.93 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

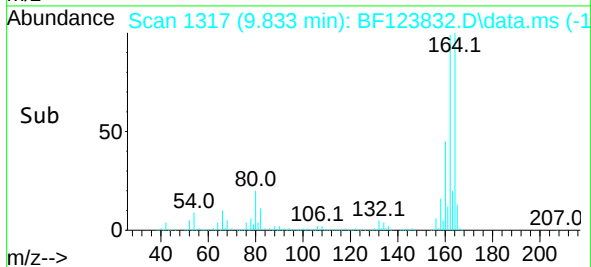
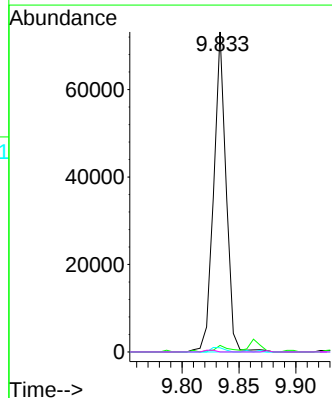
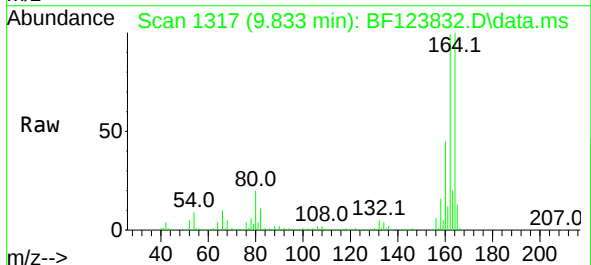
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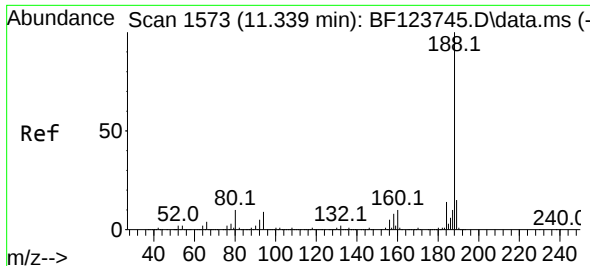
Tgt Ion:165 Resp: 55400
Ion Ratio Lower Upper
165 100
63 2.0 67.7 101.5#
89 1.3 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.82 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.200 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

Tgt Ion:165 Resp: 55400
Ion Ratio Lower Upper
165 100
63 2.0 43.5 65.3#
89 1.3 67.7 101.5#
182 0.0 2.1 3.1#

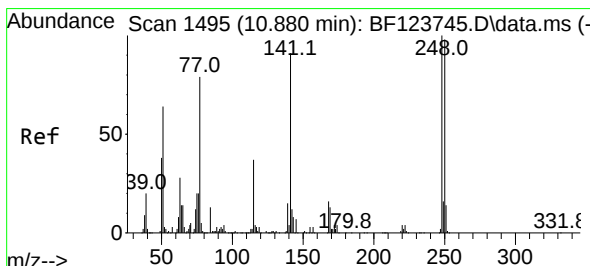
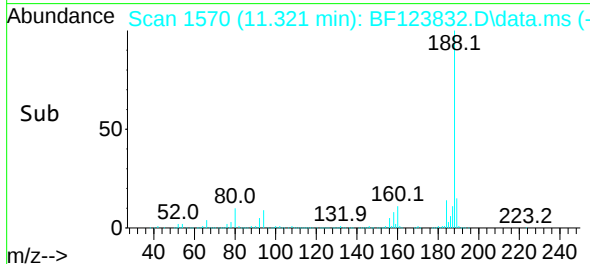
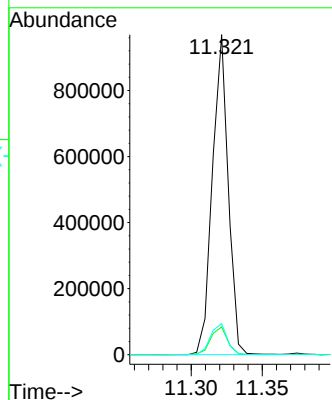
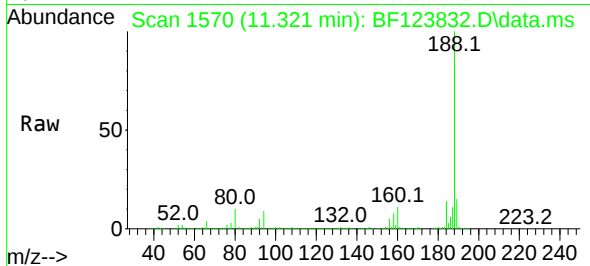




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

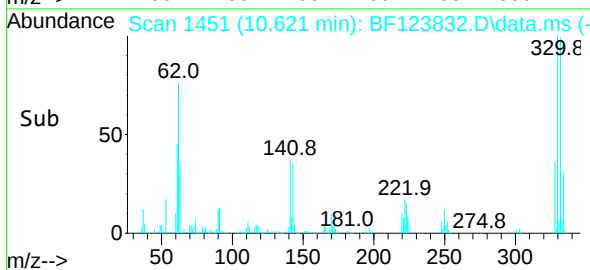
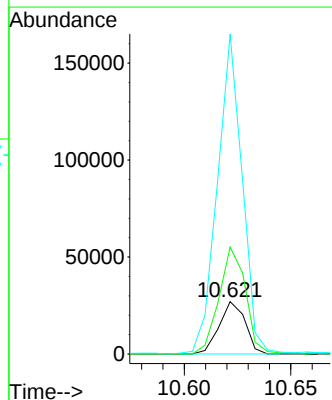
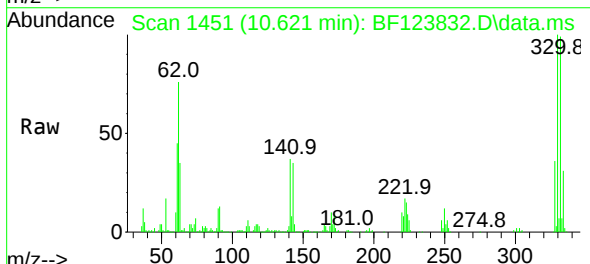
Instrument :
BNA_F
ClientSampled :
EME-14

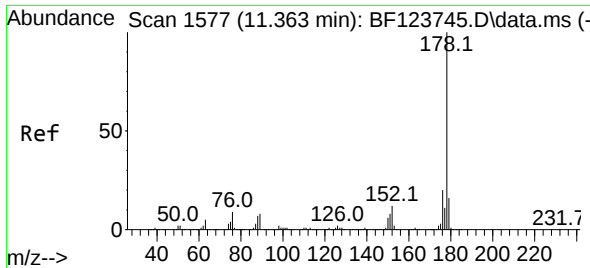
Tgt Ion:188 Resp: 749624
Ion Ratio Lower Upper
188 100
94 8.6 6.9 10.3
80 9.7 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 2.88 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.253 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

Tgt Ion:248 Resp: 22720
Ion Ratio Lower Upper
248 100
250 204.4 77.4 116.2#
141 612.2 63.7 95.5#

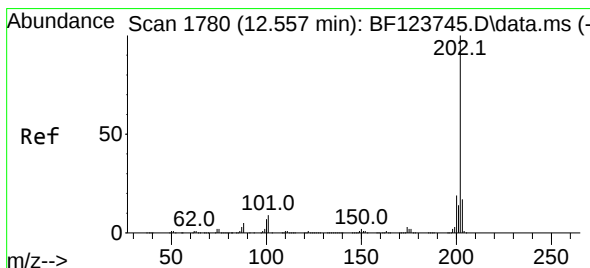
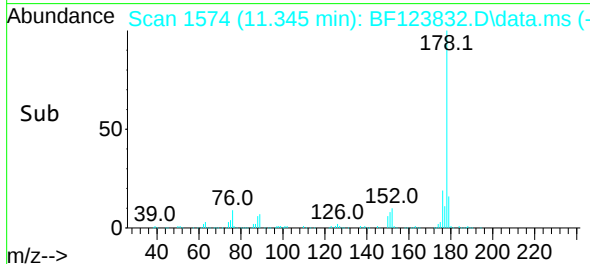
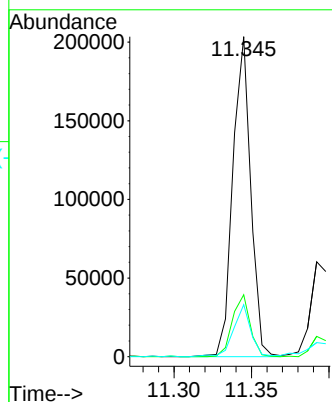
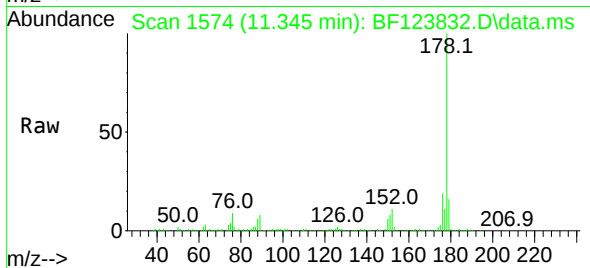




#71
Phenanthrene
Concen: 4.15 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

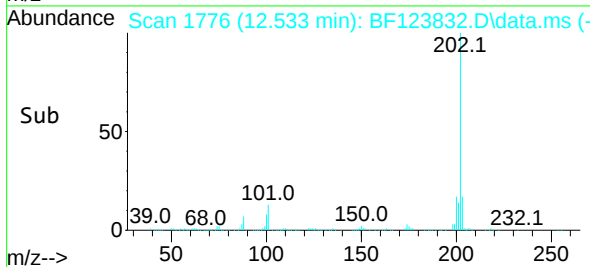
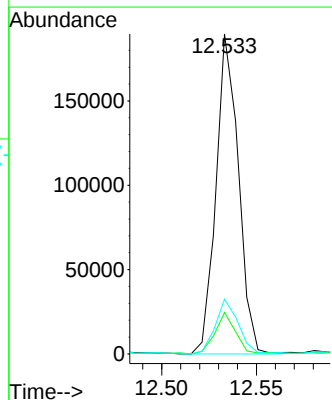
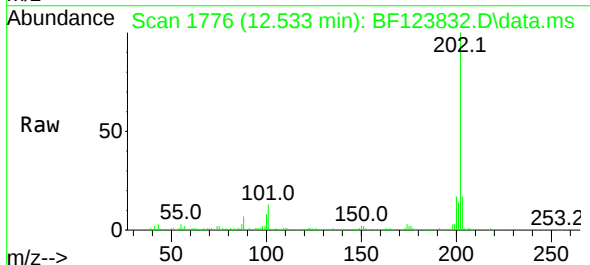
Instrument :
BNA_F
ClientSampled :
EME-14

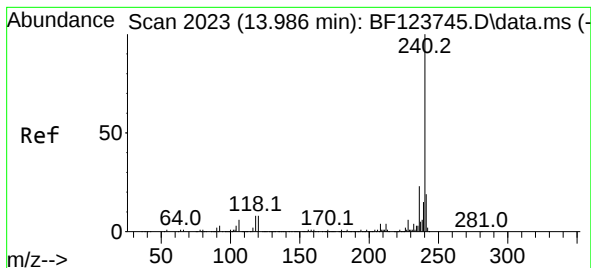
Tgt Ion:178 Resp: 163130
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 16.2 12.5 18.7



#75
Fluoranthene
Concen: 3.64 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

Tgt Ion:202 Resp: 156276
Ion Ratio Lower Upper
202 100
101 12.9 0.0 30.9
203 17.1 0.0 37.5

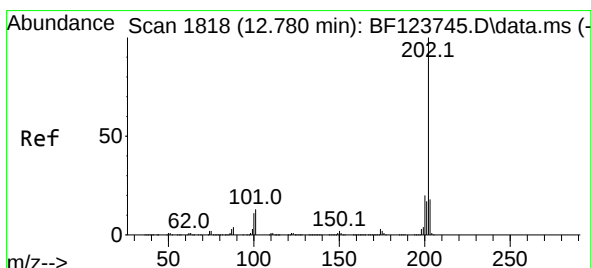
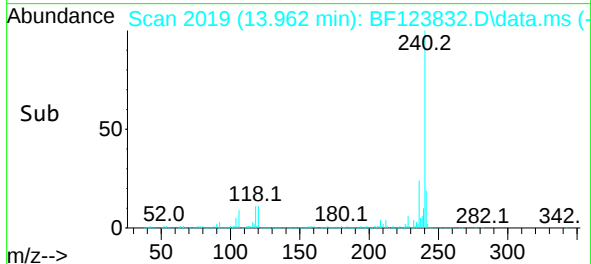
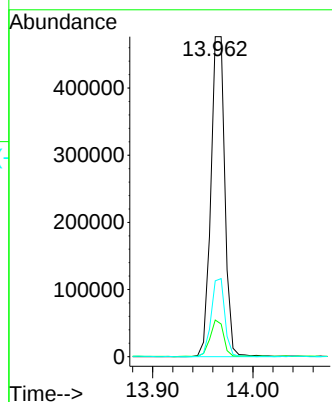
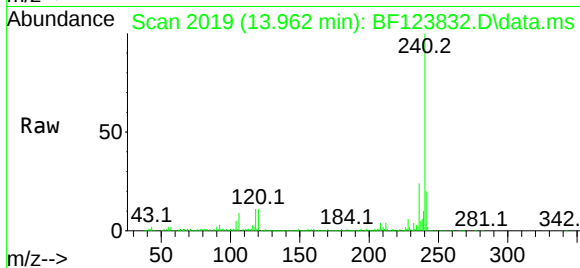




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

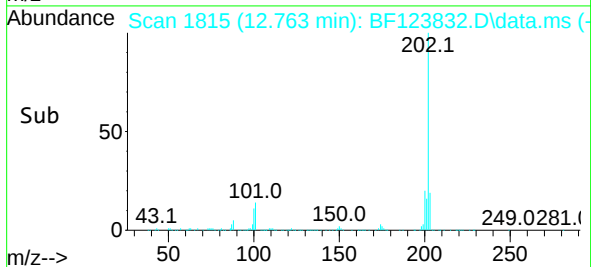
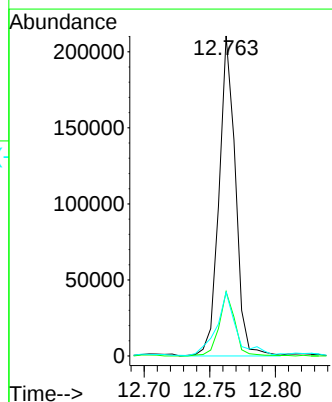
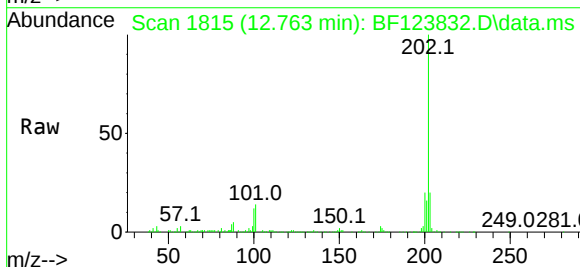
Instrument :
BNA_F
ClientSampleId :
EME-14

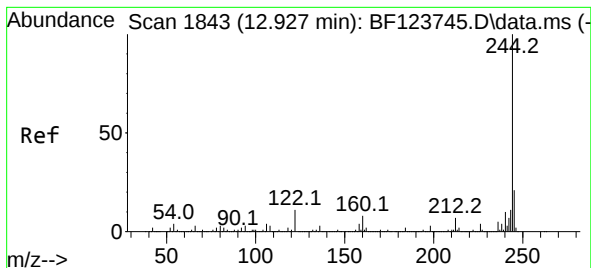
Tgt Ion:240 Resp: 462477
Ion Ratio Lower Upper
240 100
120 11.5 7.2 10.8#
236 23.7 19.0 28.4



#78
Pyrene
Concen: 5.09 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF123832.D
Acq: 5 May 2021 17:36

Tgt Ion:202 Resp: 182656
Ion Ratio Lower Upper
202 100
200 20.1 16.1 24.1
203 19.9 14.8 22.2





#79

Terphenyl-d14

Concen: 51.62 ng

RT: 12.910 min Scan# 1840

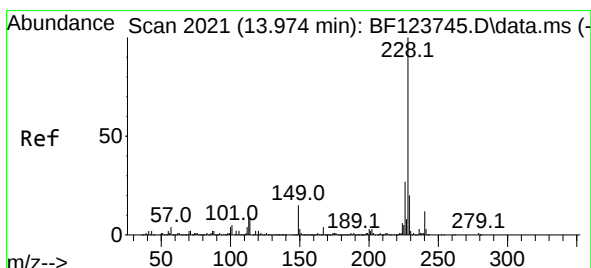
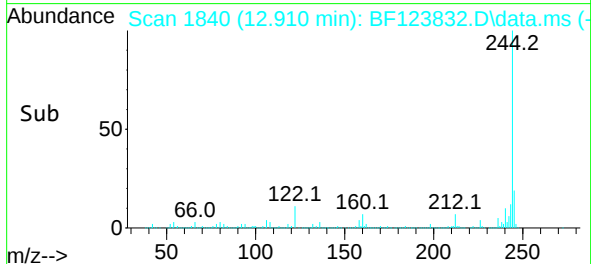
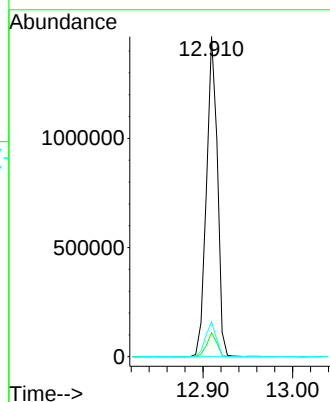
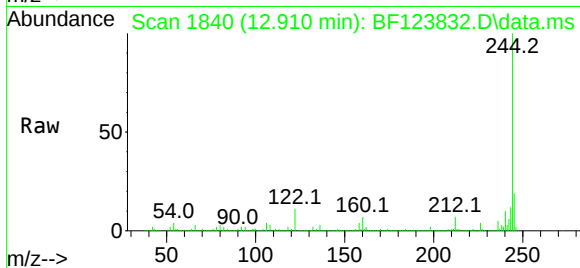
Delta R.T. -0.006 min

Lab File: BF123832.D

Acq: 5 May 2021 17:36

Tgt Ion:244 Resp: 1239813

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	10.9	9.7	14.5



#81

Benzo(a)anthracene

Concen: 2.53 ng

RT: 13.957 min Scan# 2018

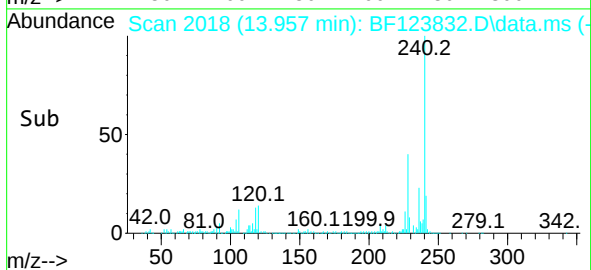
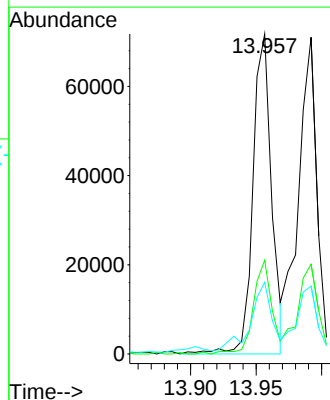
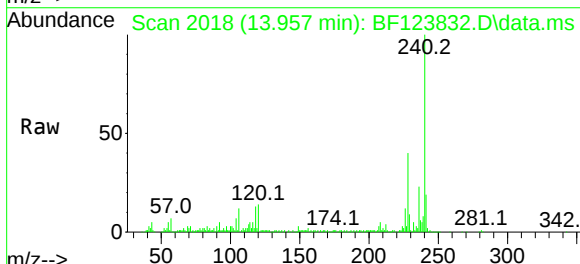
Delta R.T. -0.006 min

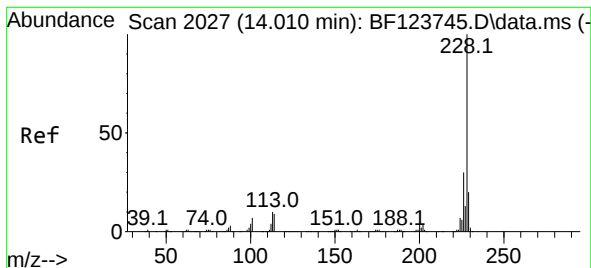
Lab File: BF123832.D

Acq: 5 May 2021 17:36

Tgt Ion:228 Resp: 71015

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.4	33.6
229	22.4	16.0	24.0





#83

Chrysene

Concen: 2.49 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.012 min

Lab File: BF123832.D

Acq: 5 May 2021 17:36

Tgt Ion:228 Resp: 70077

Ion Ratio Lower Upper

228 100

226 28.3 24.3 36.5

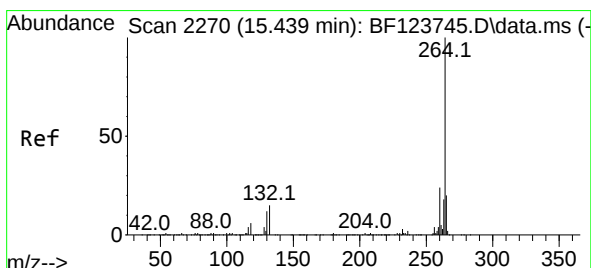
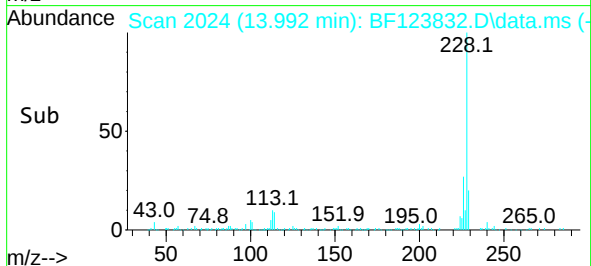
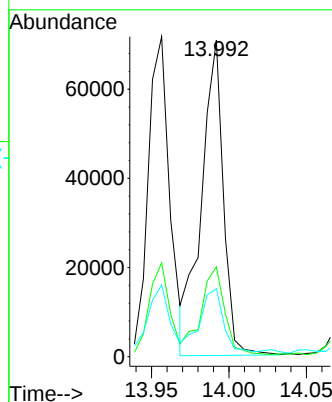
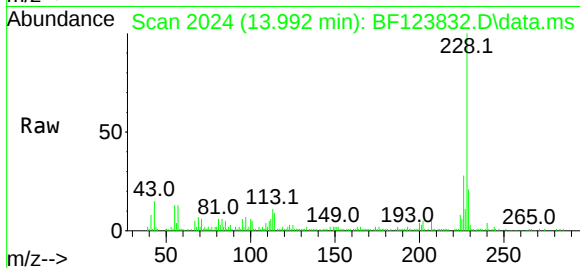
229 21.5 16.2 24.2

Instrument :

BNA_F

ClientSampleId :

EME-14



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.006 min

Lab File: BF123832.D

Acq: 5 May 2021 17:36

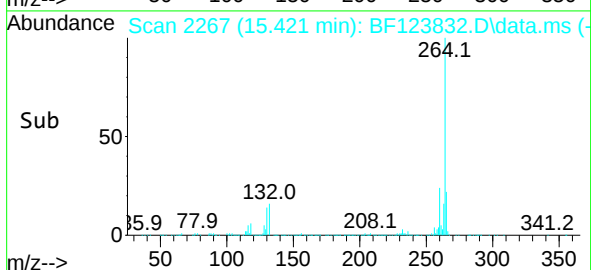
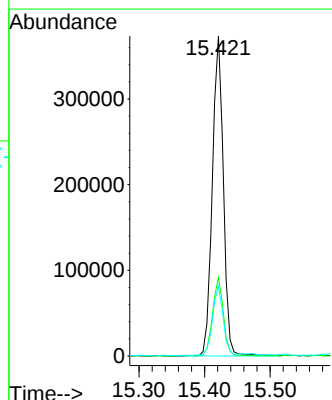
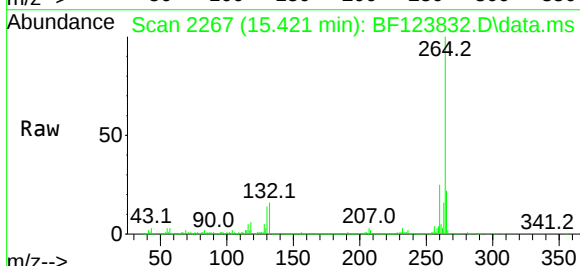
Tgt Ion:264 Resp: 437466

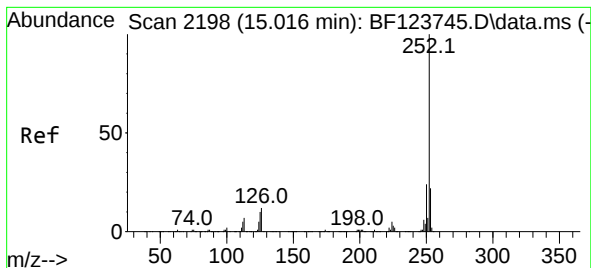
Ion Ratio Lower Upper

264 100

260 24.6 18.7 28.1

265 21.8 17.8 26.8





#88

Benzo(b)fluoranthene

Concen: 3.34 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF123832.D

Acq: 5 May 2021 17:36

Tgt Ion:252 Resp: 98604

Ion Ratio Lower Upper

252 100

253 24.4 18.1 27.1

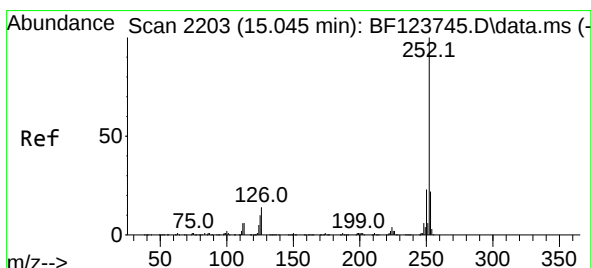
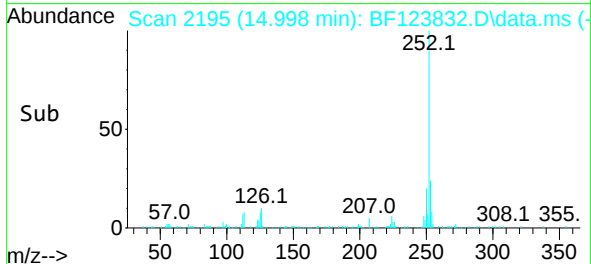
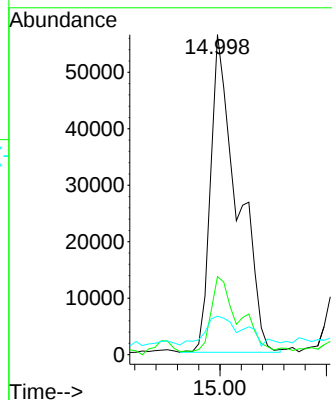
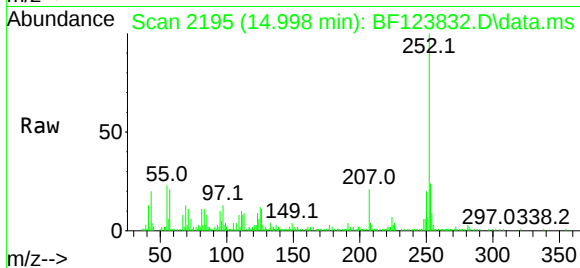
125 12.0 6.2 9.4#

Instrument :

BNA_F

ClientSampled :

EME-14



#89

Benzo(k)fluoranthene

Concen: 3.50 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.041 min

Lab File: BF123832.D

Acq: 5 May 2021 17:36

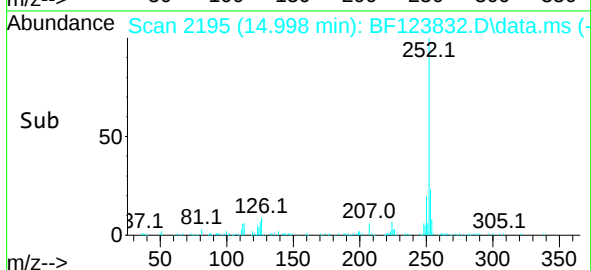
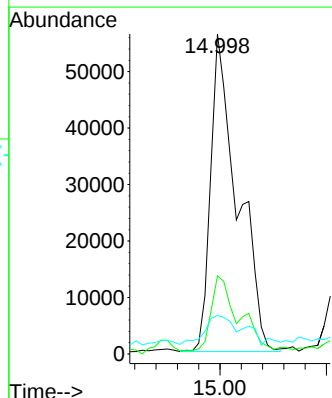
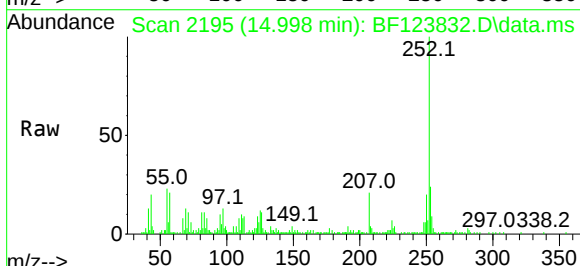
Tgt Ion:252 Resp: 98604

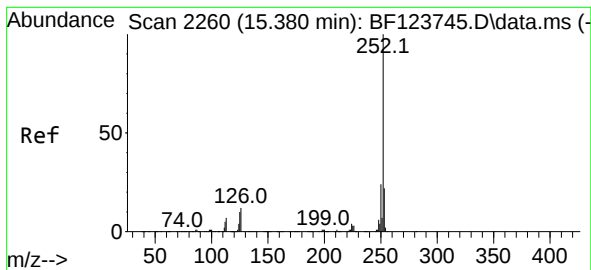
Ion Ratio Lower Upper

252 100

253 24.4 17.9 26.9

125 12.0 7.0 10.6#





#90

Benzo(a)pyrene

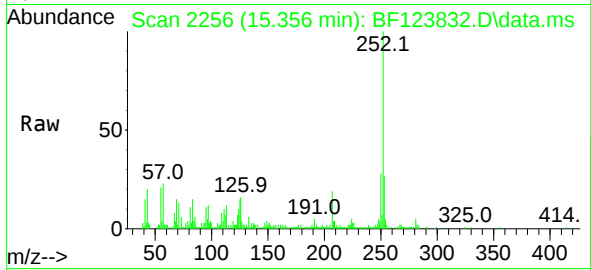
Concen: 2.27 ng

RT: 15.356 min Scan# 2256

Delta R.T. -0.012 min

Lab File: BF123832.D

Acq: 5 May 2021 17:36



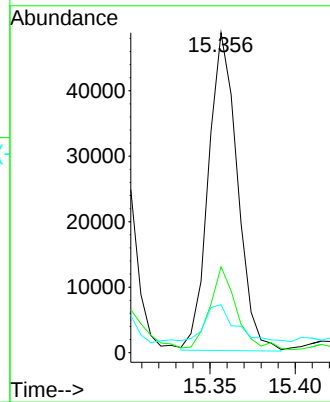
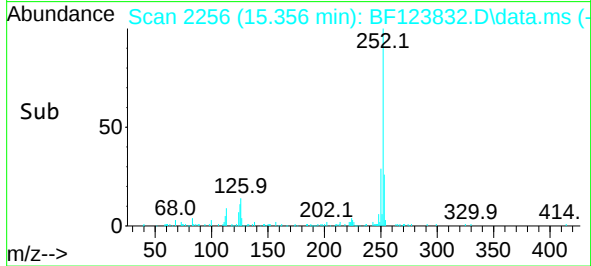
Tgt Ion:252 Resp: 57321

Ion Ratio Lower Upper

252 100

253 26.8 18.4 27.6

125 15.0 8.0 12.0#



Instrument :

BNA_F

ClientSampleId :

EME-14