

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050521\
 Data File : BF123839.D
 Acq On : 5 May 2021 21:18
 Operator : JU/CG
 Sample : M2279-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-19

Quant Time: May 06 00:51:48 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF042721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 05 13:09:28 2021
 Response via : Initial Calibration

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

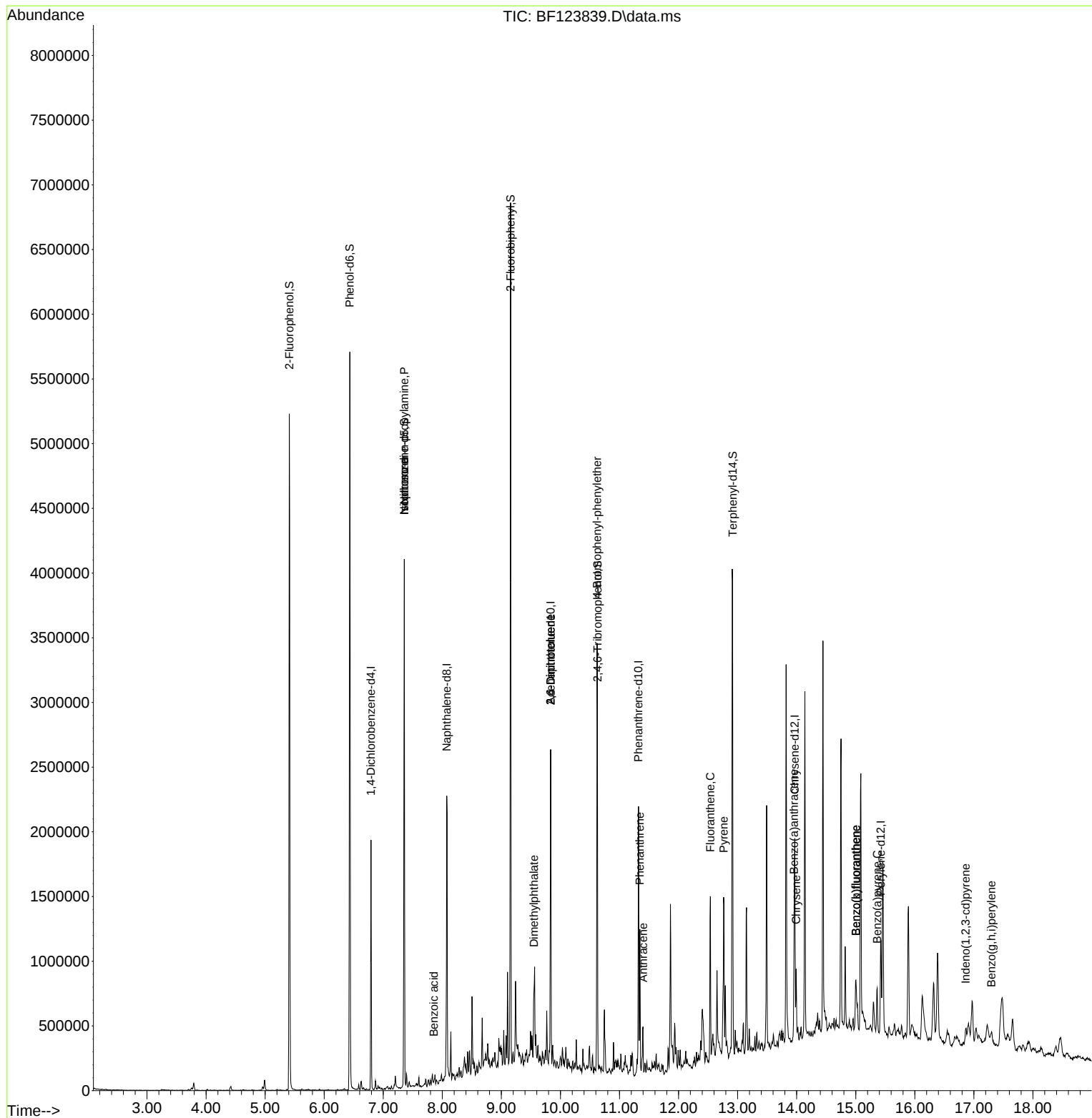
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	234724	20.00	ng	0.00
21) Naphthalene-d8	8.075	136	891403	20.00	ng	# 0.00
39) Acenaphthene-d10	9.833	164	418810	20.00	ng	0.00
64) Phenanthrene-d10	11.321	188	674981	20.00	ng	0.00
76) Chrysene-d12	13.968	240	466298	20.00	ng	0.00
86) Perylene-d12	15.421	264	351899	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	1239958	83.69	ng	0.00
7) Phenol-d6	6.433	99	1612330	79.00	ng	0.00
23) Nitrobenzene-d5	7.357	82	1102751	55.85	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	375287	71.98	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1668980	58.03	ng	0.00
79) Terphenyl-d14	12.915	244	1297521	53.58	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	146376	11.61	ng	# 74
25) Isophorone	7.357	82	1098899	29.68	ng	# 69
32) Benzoic acid	7.857	122	2077	5.59	ng	# 34
50) Dimethylphthalate	9.551	163	104082	3.53	ng	99
51) 2,6-Dinitrotoluene	9.833	165	56318	8.26	ng	# 11
57) 2,4-Dinitrotoluene	9.833	165	56318	6.06	ng	# 17
67) 4-Bromophenyl-phenylether	10.621	248	19620	2.76	ng	# 1
71) Phenanthrene	11.345	178	358793	10.13	ng	99
72) Anthracene	11.398	178	115551	3.28	ng	99
75) Fluoranthene	12.539	202	509664	13.20	ng	98
78) Pyrene	12.762	202	522024	14.42	ng	98
81) Benzo(a)anthracene	13.957	228	235427	8.33	ng	98
83) Chrysene	13.992	228	198781	6.99	ng	96
87) Indeno(1,2,3-cd)pyrene	16.862	276	74296	3.63	ng	99
88) Benzo(b)fluoranthene	15.004	252	269652	11.37	ng	# 95
89) Benzo(k)fluoranthene	15.004	252	269652	11.91	ng	# 95
90) Benzo(a)pyrene	15.362	252	152329	7.51	ng	97
92) Benzo(g,h,i)perylene	17.297	276	68250	3.94	ng	94

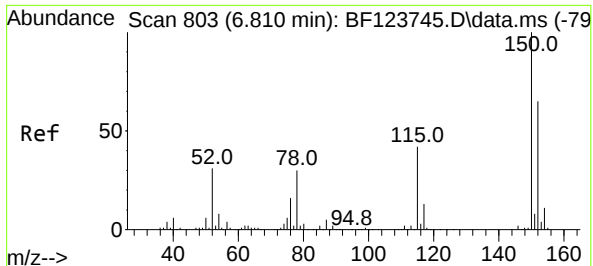
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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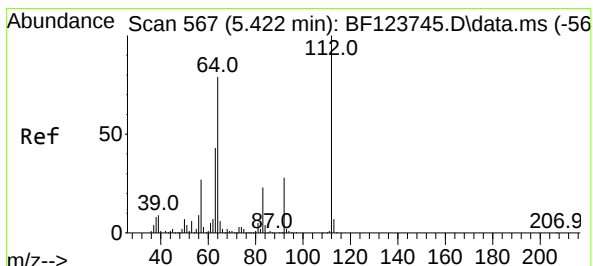
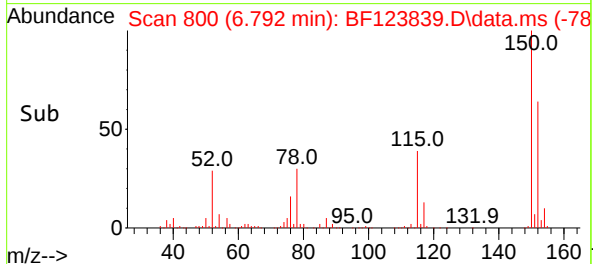
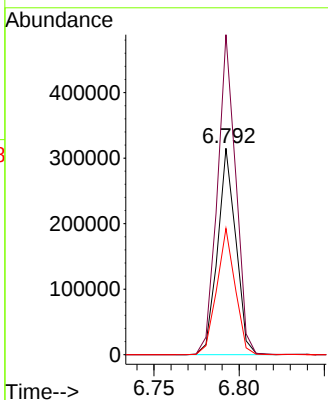
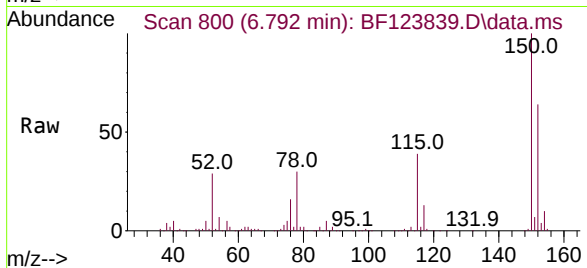




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

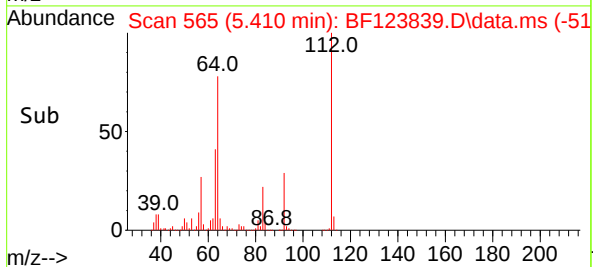
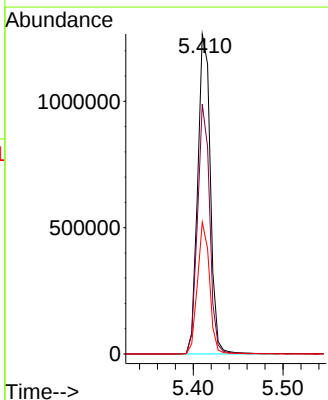
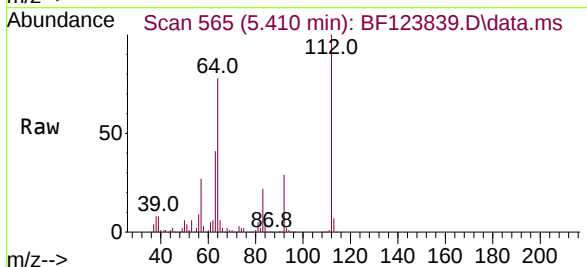
Instrument :
BNA_F
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EME-19

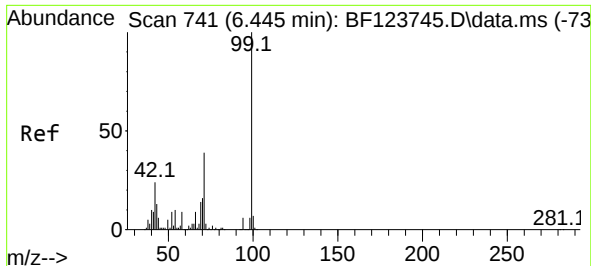
Tgt Ion:152 Resp: 234724
Ion Ratio Lower Upper
152 100
150 155.1 127.0 190.6
115 61.2 54.3 81.5



#5
2-Fluorophenol
Concen: 83.69 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.000 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

Tgt Ion:112 Resp: 1239958
Ion Ratio Lower Upper
112 100
64 78.0 61.4 92.0
63 41.2 33.0 49.4

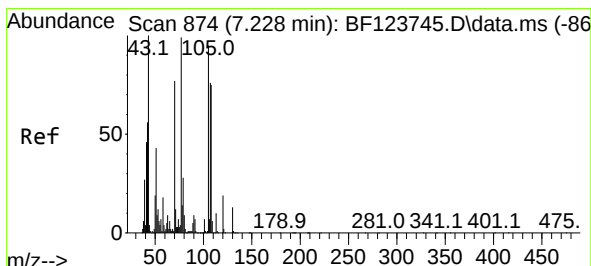
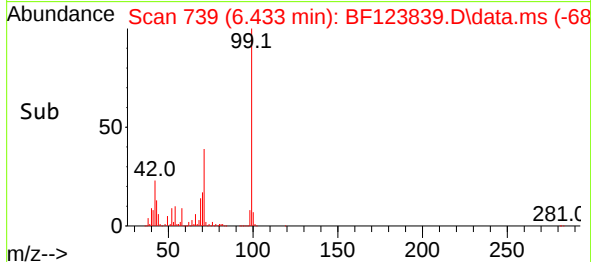
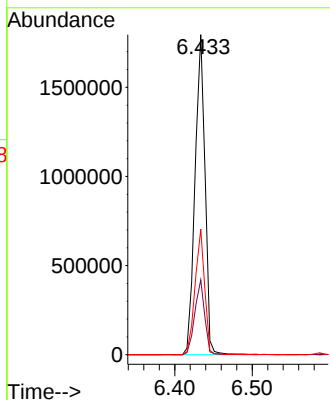
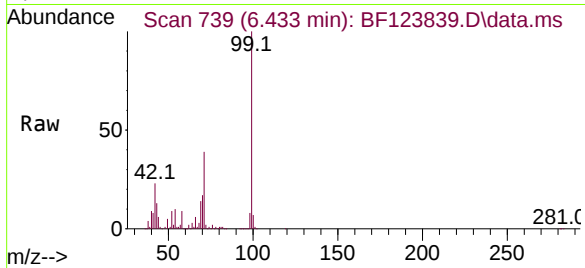




#7
Phenol-d6
Concen: 79.00 ng
RT: 6.433 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

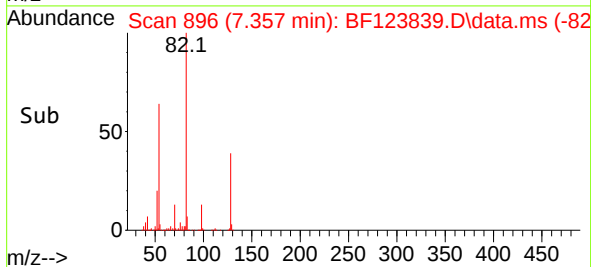
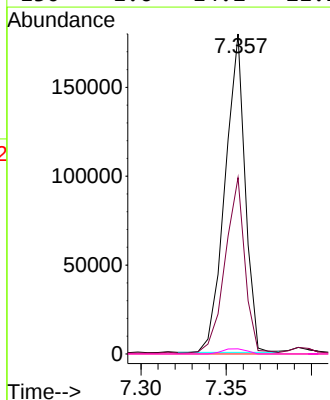
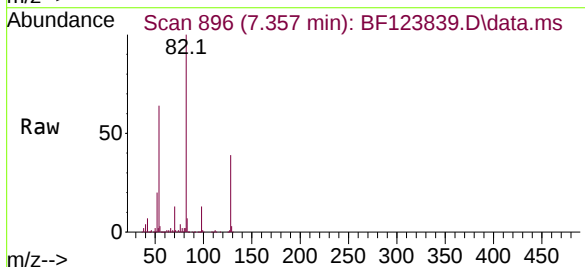
Instrument :
BNA_F
ClientSampleId :
EME-19

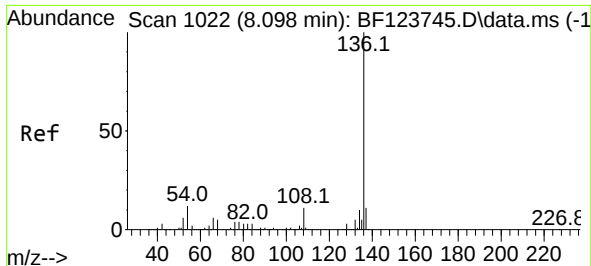
Tgt Ion: 99 Resp: 1612330
Ion Ratio Lower Upper
99 100
42 23.4 19.8 29.8
71 39.2 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.61 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

Tgt Ion: 70 Resp: 146376
Ion Ratio Lower Upper
70 100
42 55.1 60.1 90.1#
101 0.0 7.4 11.2#
130 1.6 14.2 21.2#

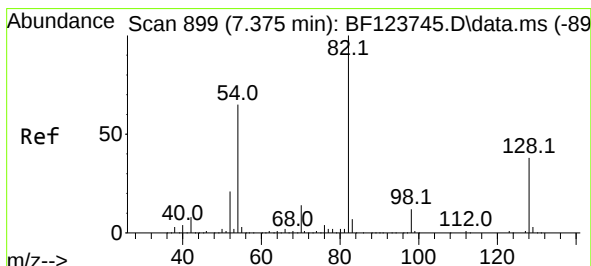
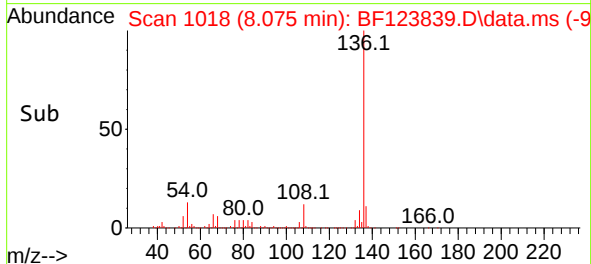
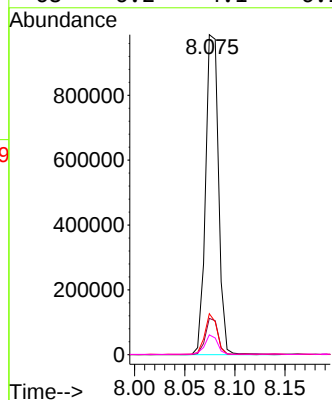
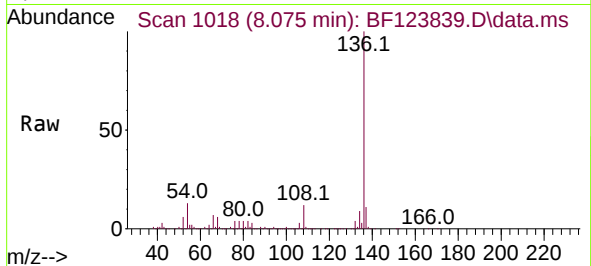




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

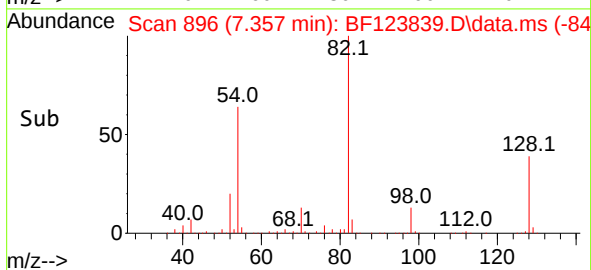
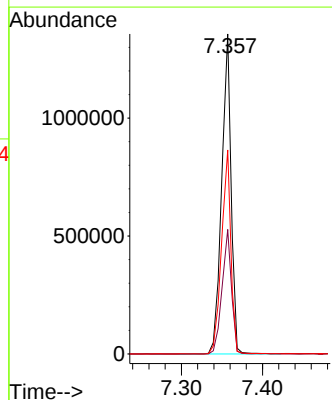
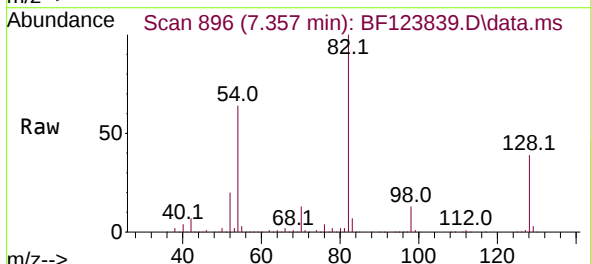
Instrument :
BNA_F
ClientSampleId :
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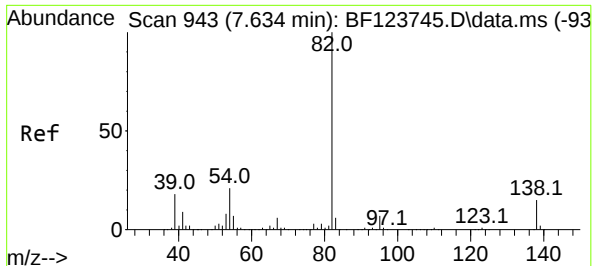
Tgt Ion:136 Resp: 891403
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 12.8 9.8 14.6
68 6.2 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 55.85 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

Tgt Ion: 82 Resp: 1102751
Ion Ratio Lower Upper
82 100
128 38.9 29.4 44.2
54 63.8 54.1 81.1

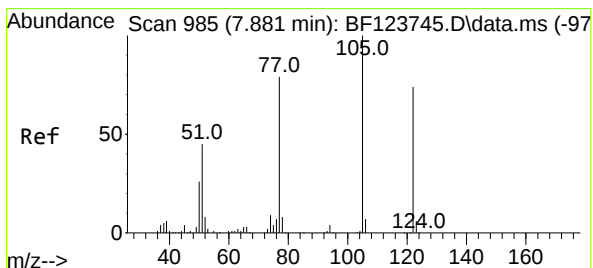
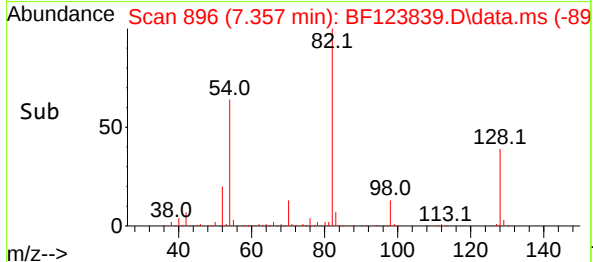
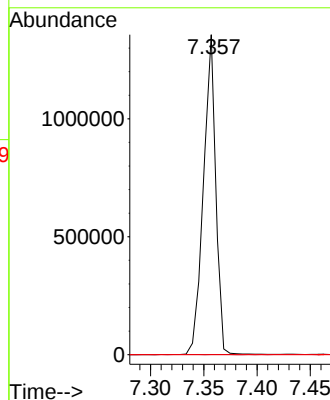
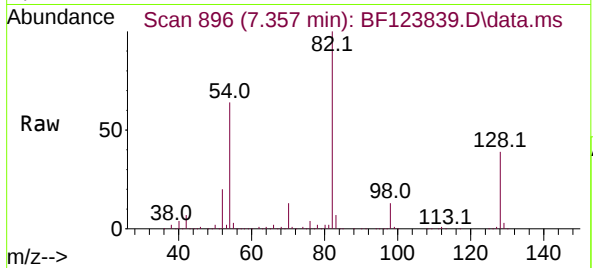




#25
Isophorone
Concen: 29.68 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

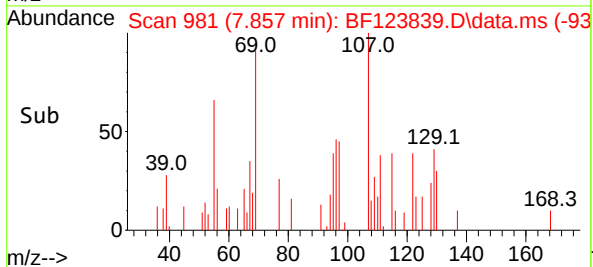
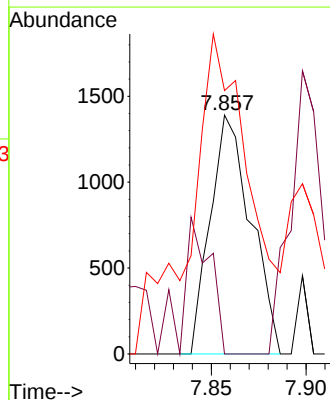
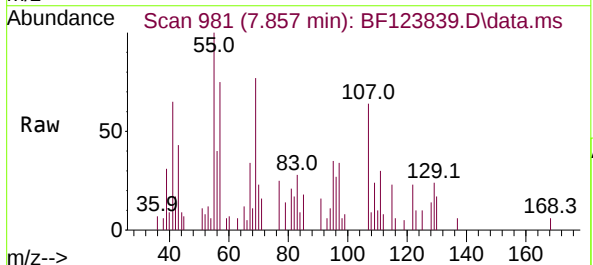
Instrument :
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ClientSampleID :
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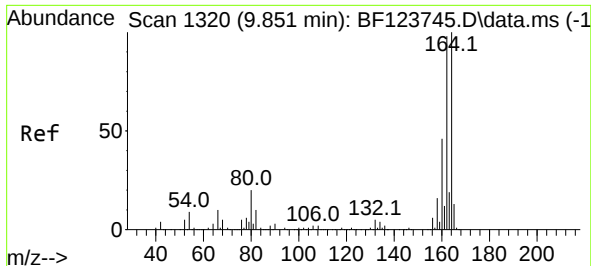
Tgt Ion: 82 Resp: 1098899
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 5.59 ng
RT: 7.857 min Scan# 981
Delta R.T. -0.018 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

Tgt Ion:122 Resp: 2077
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 110.2 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: BF123839.D

Acq: 5 May 2021 21:18

Tgt Ion:164 Resp: 418810

Ion Ratio Lower Upper

164 100

162 98.9 80.7 121.1

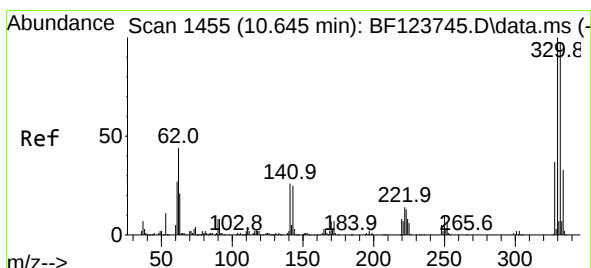
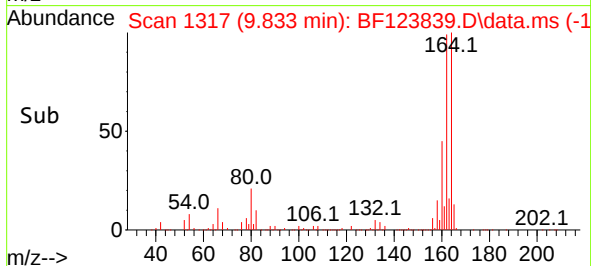
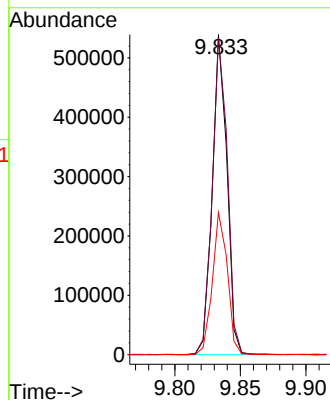
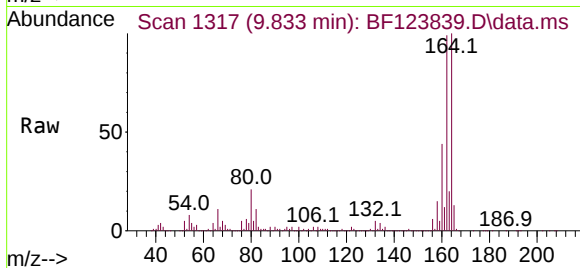
160 44.5 37.3 55.9

Instrument :

BNA_F

ClientSampleId :

EME-19



#42

2,4,6-Tribromophenol

Concen: 71.98 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.006 min

Lab File: BF123839.D

Acq: 5 May 2021 21:18

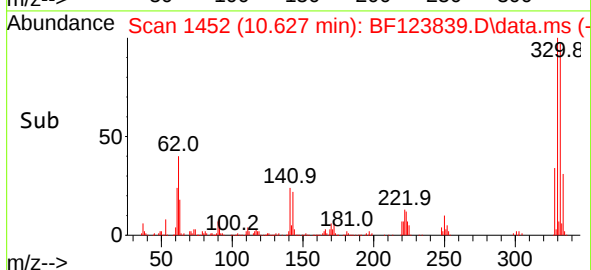
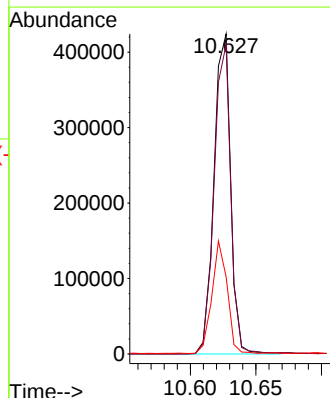
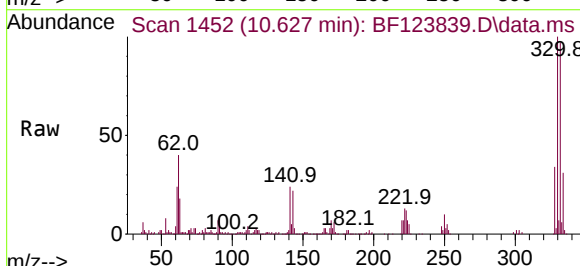
Tgt Ion:330 Resp: 375287

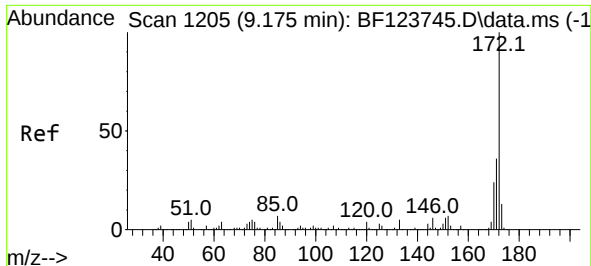
Ion Ratio Lower Upper

330 100

332 95.8 77.1 115.7

141 32.4 27.9 41.9

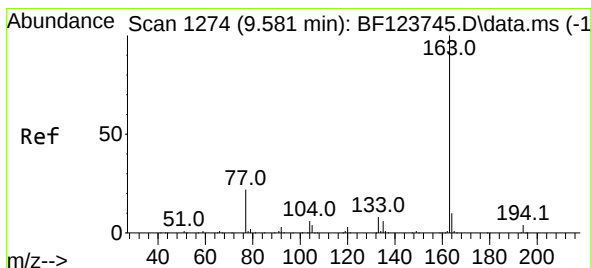
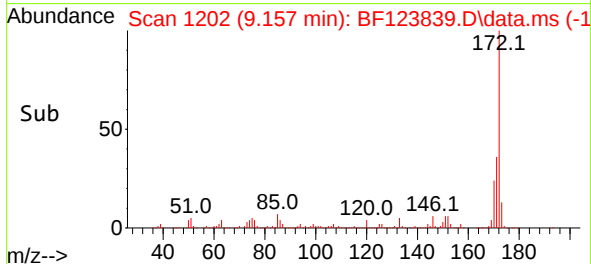
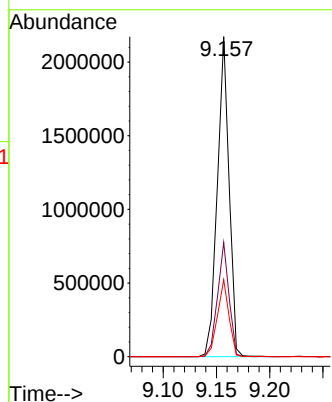
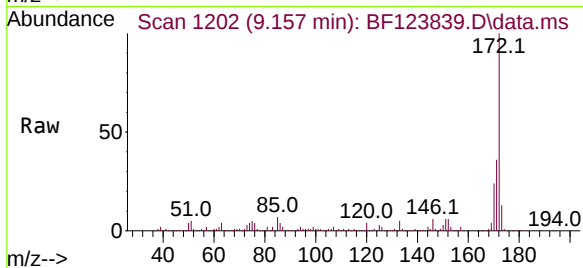




#45
2-Fluorobiphenyl
Concen: 58.03 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

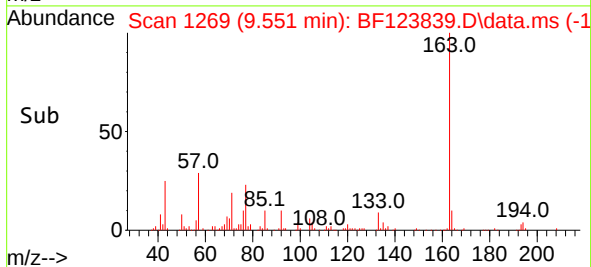
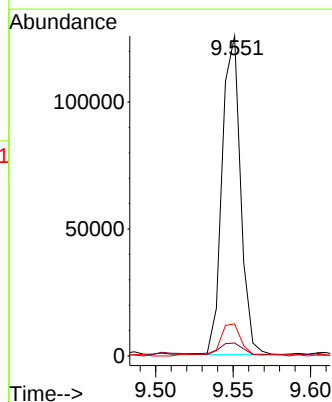
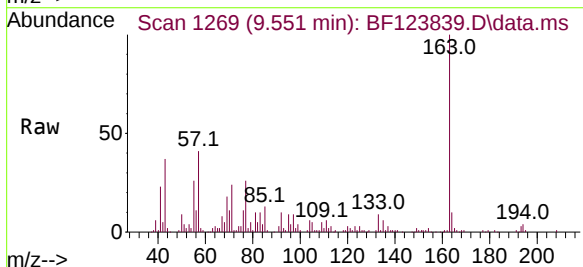
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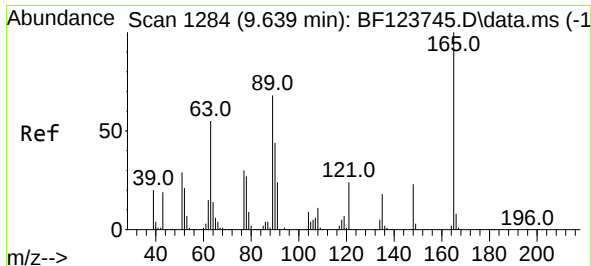
Tgt Ion:172 Resp: 1668980
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 24.0 19.2 28.8



#50
Dimethylphthalate
Concen: 3.53 ng
RT: 9.551 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

Tgt Ion:163 Resp: 104082
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.0 8.2 12.2

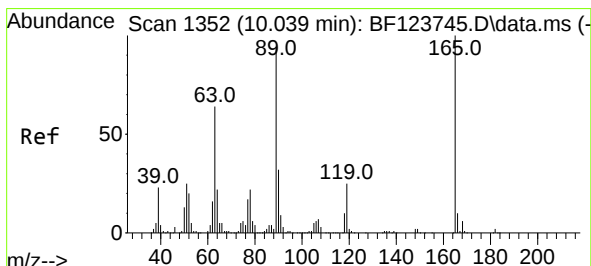
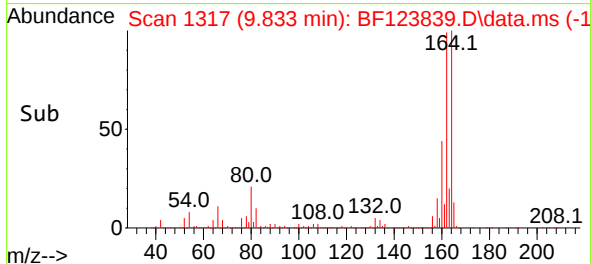
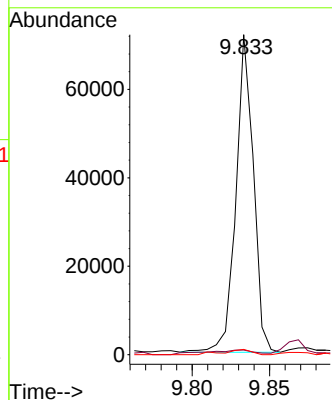
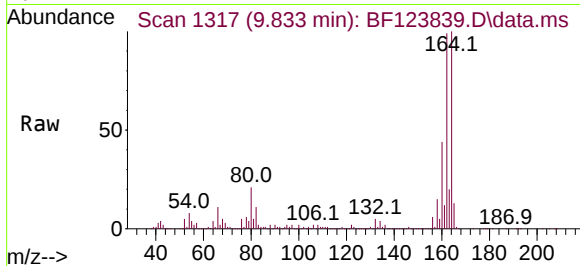




#51
2,6-Dinitrotoluene
Concen: 8.26 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

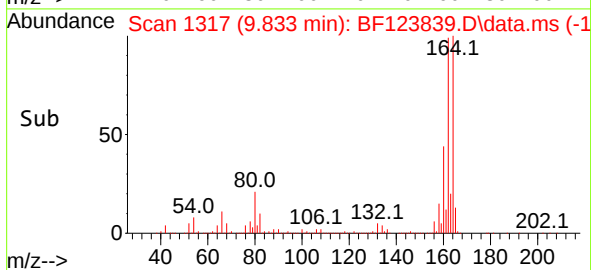
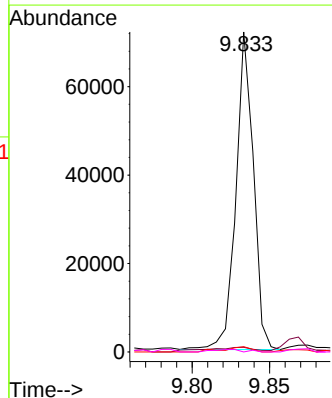
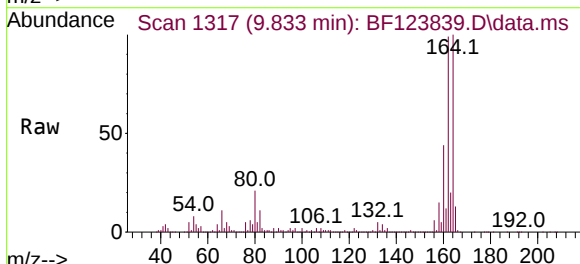
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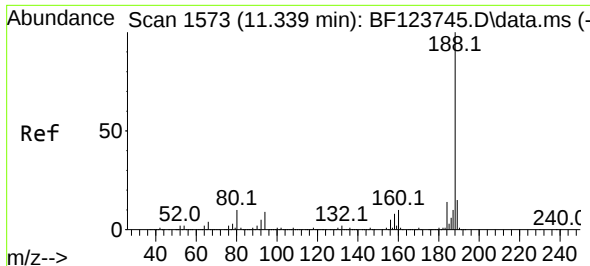
Tgt Ion:165 Resp: 56318
Ion Ratio Lower Upper
165 100
63 1.5 67.7 101.5#
89 1.6 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.06 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.200 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

Tgt Ion:165 Resp: 56318
Ion Ratio Lower Upper
165 100
63 1.5 43.5 65.3#
89 1.6 67.7 101.5#
182 0.0 2.1 3.1#

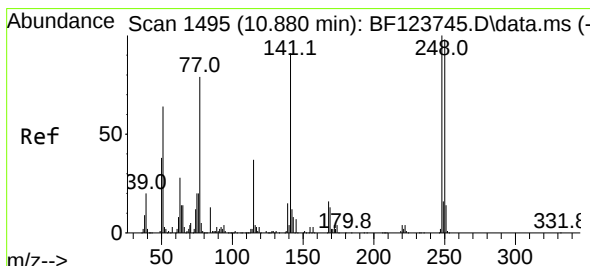
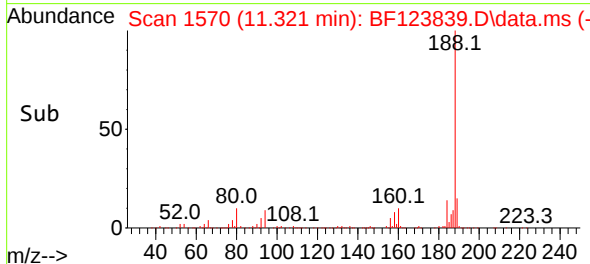
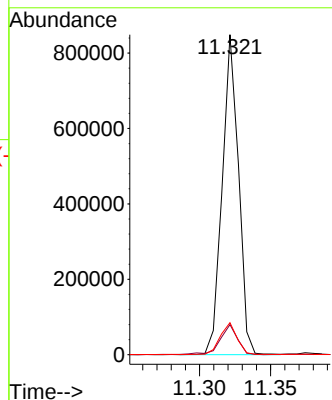
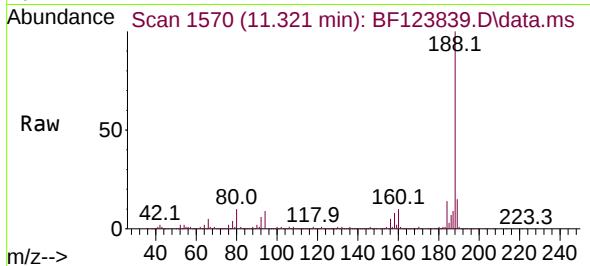




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

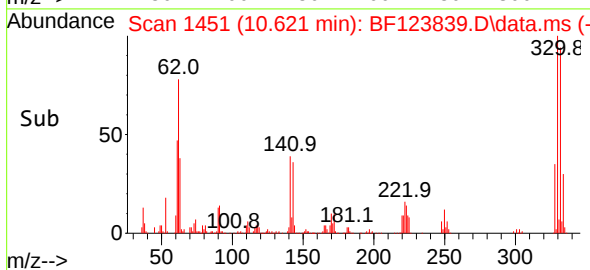
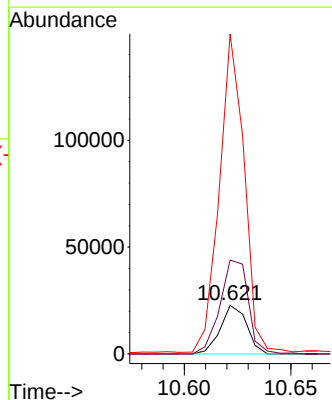
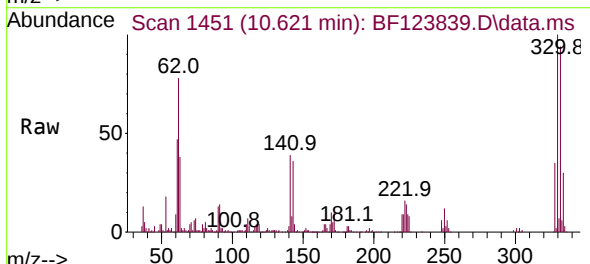
Instrument :
BNA_F
ClientSampleId :
EME-19

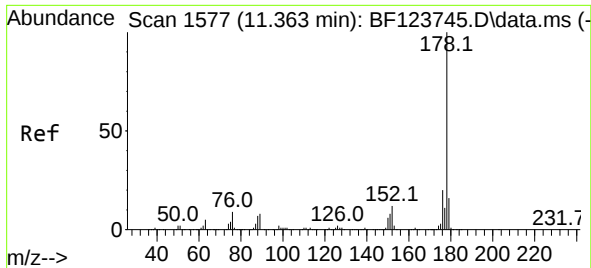
Tgt Ion:188 Resp: 674981
Ion Ratio Lower Upper
188 100
94 9.4 6.9 10.3
80 10.0 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 2.76 ng
RT: 10.621 min Scan# 1451
Delta R.T. -0.253 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

Tgt Ion:248 Resp: 19620
Ion Ratio Lower Upper
248 100
250 193.0 77.4 116.2#
141 657.3 63.7 95.5#

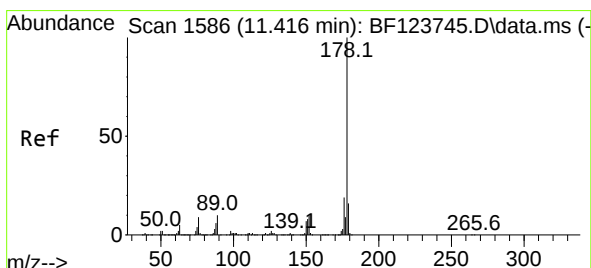
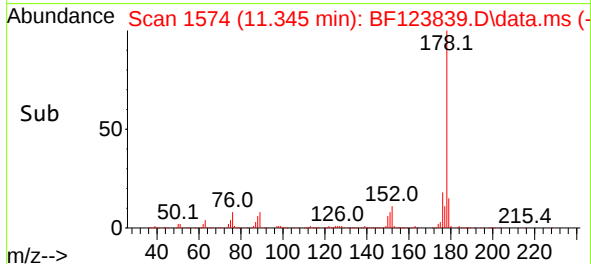
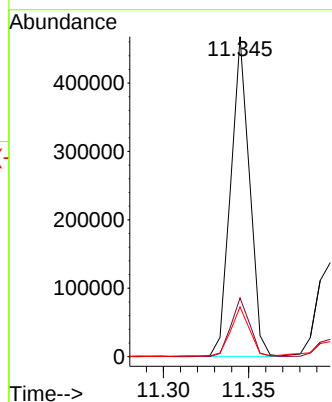
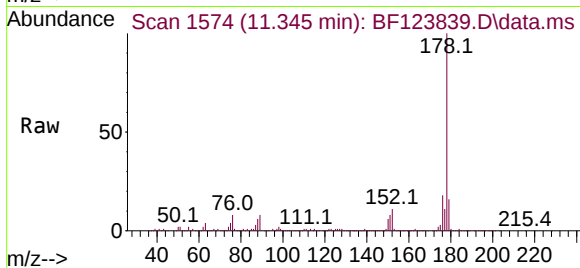




#71
Phenanthrene
Concen: 10.13 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

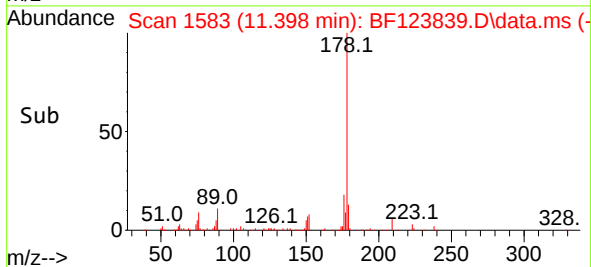
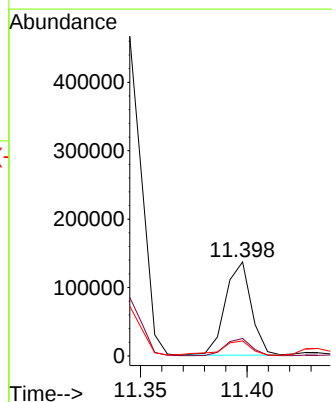
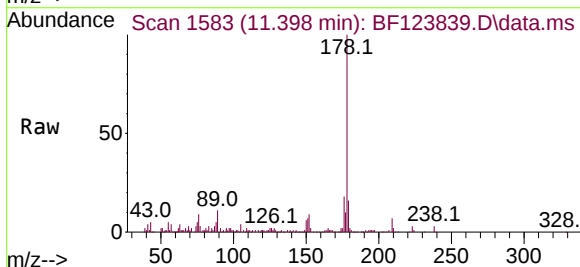
Instrument :
BNA_F
ClientSampleId :
EME-19

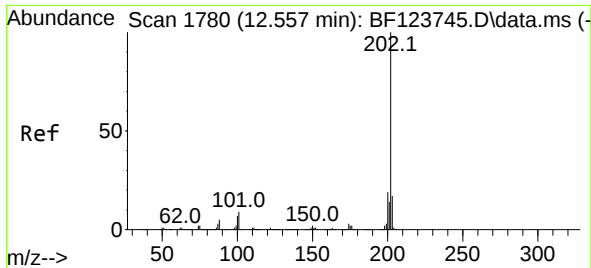
Tgt Ion:178 Resp: 358793
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 15.6 12.5 18.7



#72
Anthracene
Concen: 3.28 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

Tgt Ion:178 Resp: 115551
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 16.0 12.6 18.8

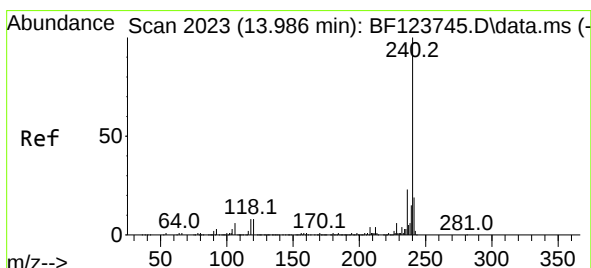
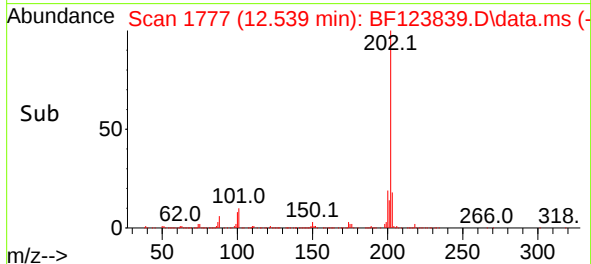
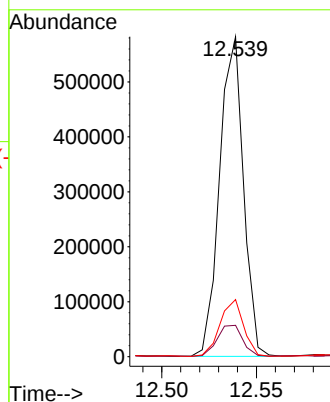
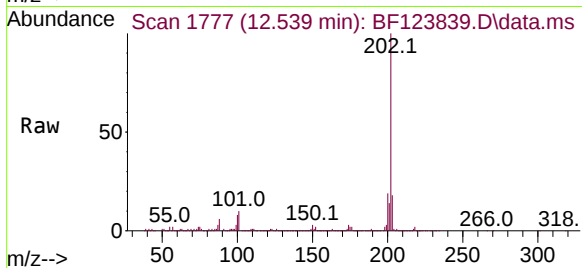




#75
Fluoranthene
Concen: 13.20 ng
RT: 12.539 min Scan# 1777
Delta R.T. -0.006 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

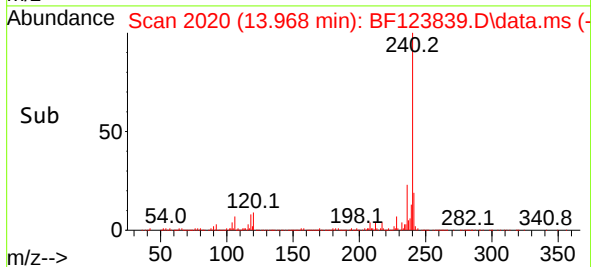
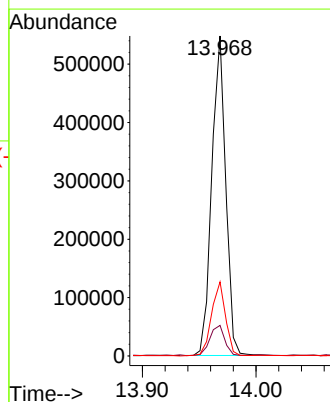
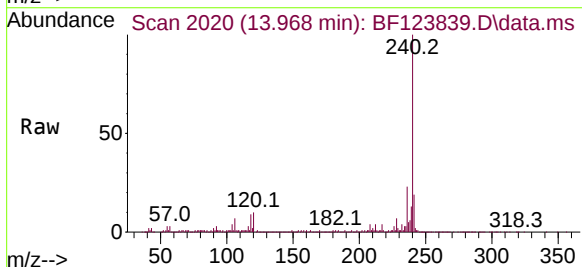
Instrument :
BNA_F
ClientSampleId :
EME-19

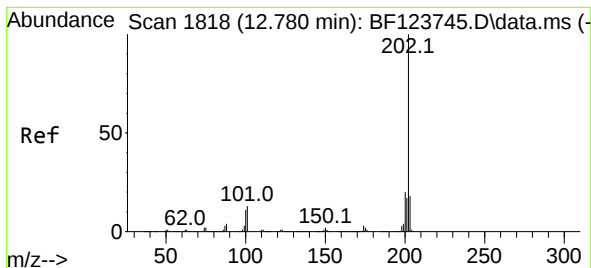
Tgt Ion:	202	Resp:	509664
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	30.9
203	17.9	0.0	37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

Tgt Ion:	240	Resp:	466298
Ion Ratio	Lower	Upper	
240	100		
120	9.5	7.2	10.8
236	23.1	19.0	28.4





#78

Pyrene

Concen: 14.42 ng

RT: 12.762 min Scan# 1815

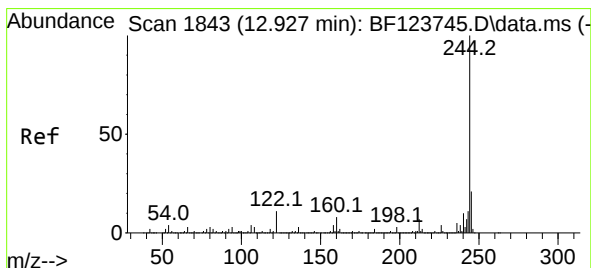
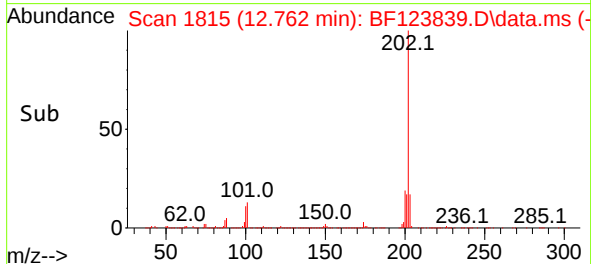
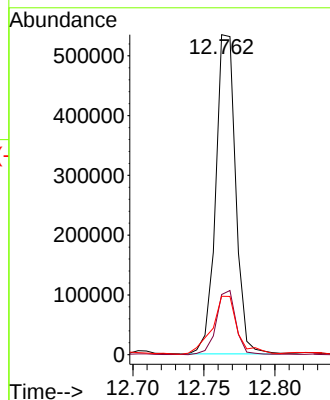
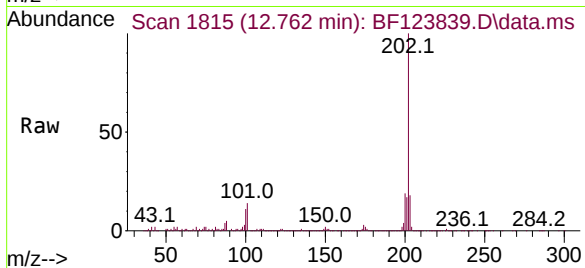
Delta R.T. -0.012 min

Lab File: BF123839.D

Acq: 5 May 2021 21:18

Tgt Ion:202 Resp: 522024

Ion	Ratio	Lower	Upper
202	100		
200	18.8	16.1	24.1
203	18.2	14.8	22.2



#79

Terphenyl-d14

Concen: 53.58 ng

RT: 12.915 min Scan# 1841

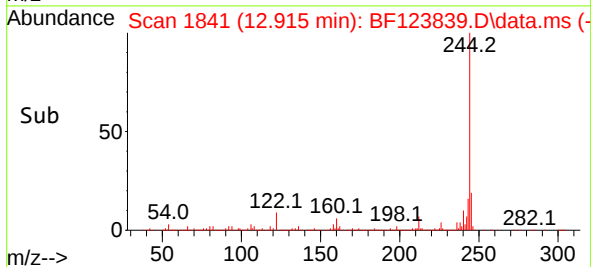
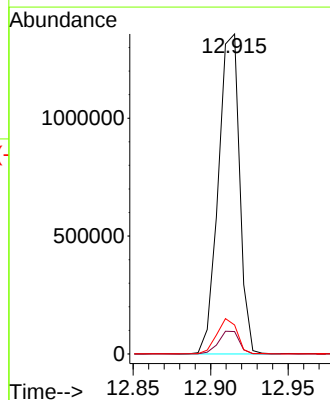
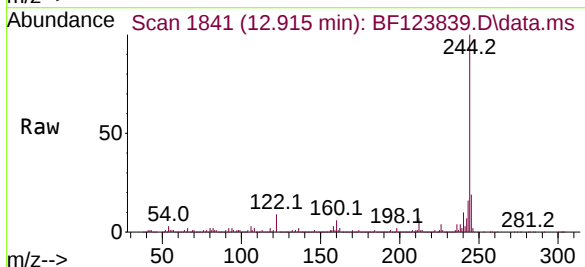
Delta R.T. -0.000 min

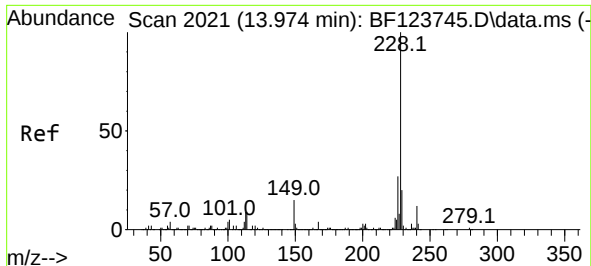
Lab File: BF123839.D

Acq: 5 May 2021 21:18

Tgt Ion:244 Resp: 1297521

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	9.0	9.7	14.5#

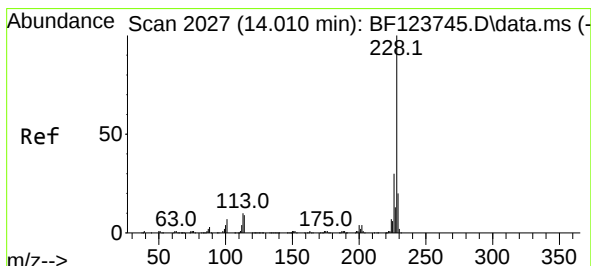
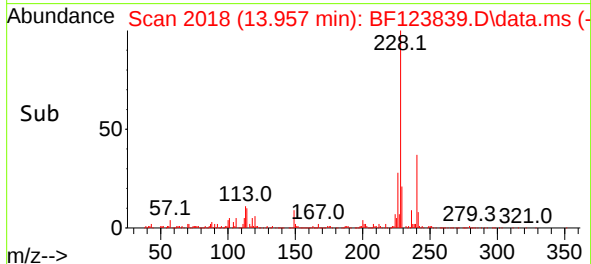
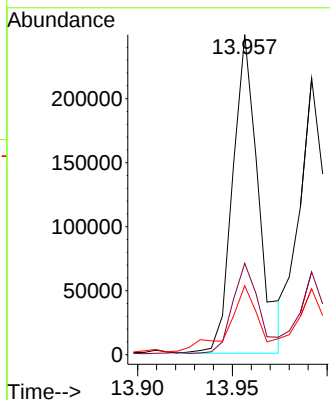
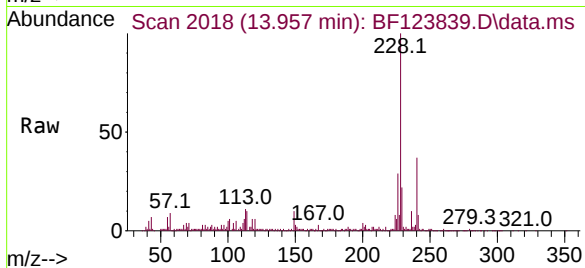




#81
Benzo(a)anthracene
Concen: 8.33 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

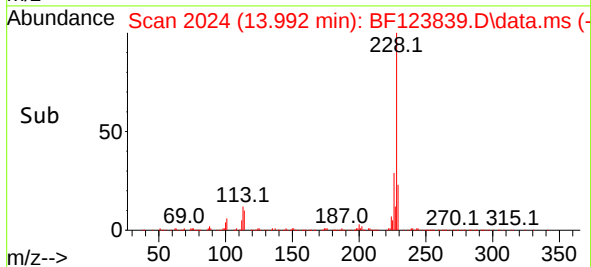
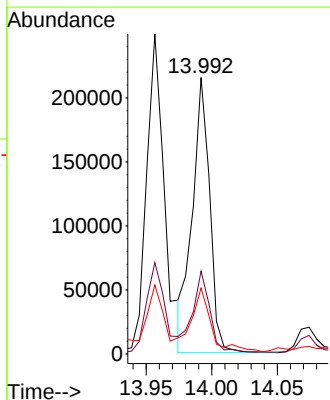
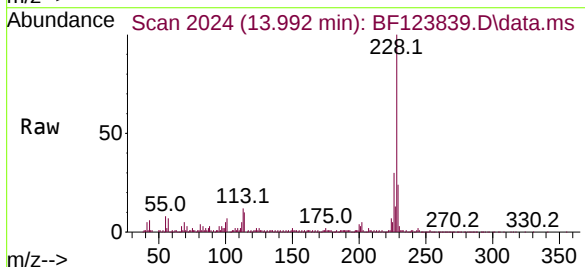
Instrument :
BNA_F
ClientSampleId :
EME-19

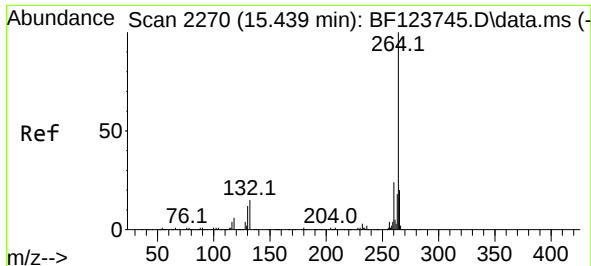
Tgt Ion:228 Resp: 235427
Ion Ratio Lower Upper
228 100
226 28.5 22.4 33.6
229 21.5 16.0 24.0



#83
Chrysene
Concen: 6.99 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

Tgt Ion:228 Resp: 198781
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 23.8 16.2 24.2

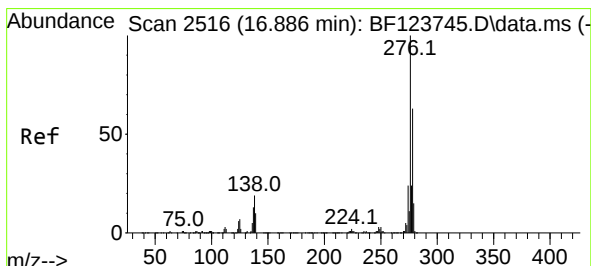
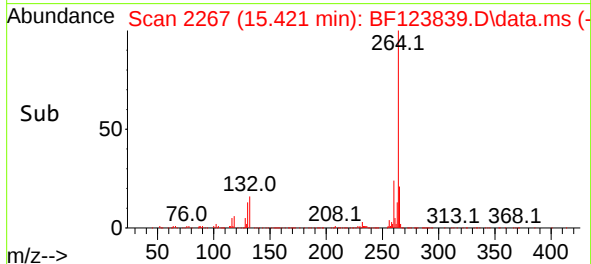
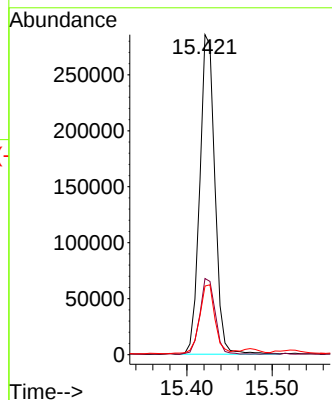
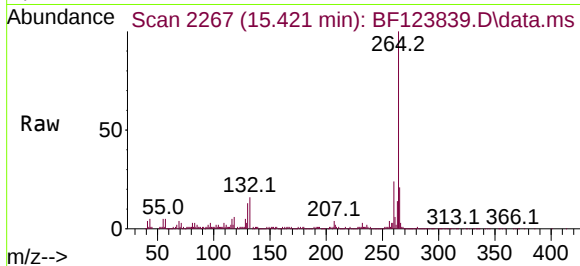




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

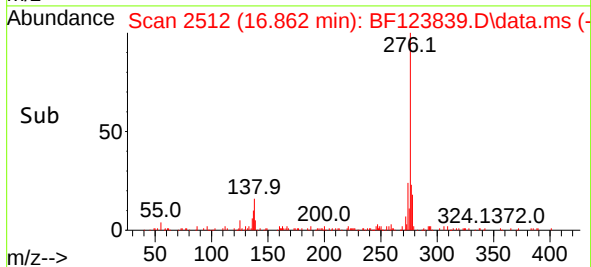
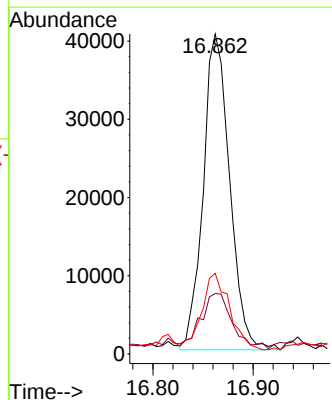
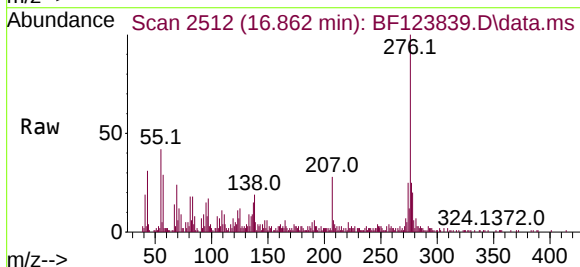
Instrument :
BNA_F
ClientSampleId :
EME-19

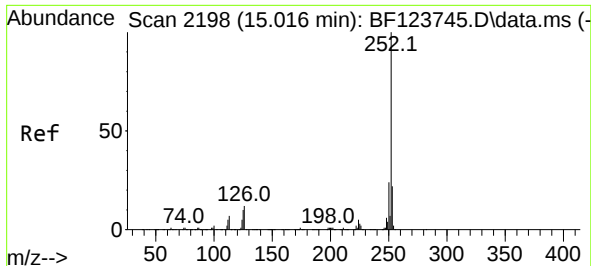
Tgt Ion:264 Resp: 351899
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 21.4 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.63 ng
RT: 16.862 min Scan# 2512
Delta R.T. -0.018 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

Tgt Ion:276 Resp: 74296
Ion Ratio Lower Upper
276 100
138 20.7 16.2 24.2
277 25.2 20.1 30.1

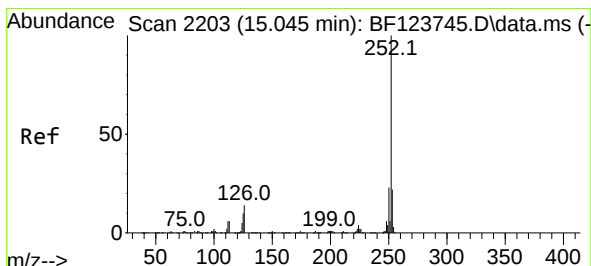
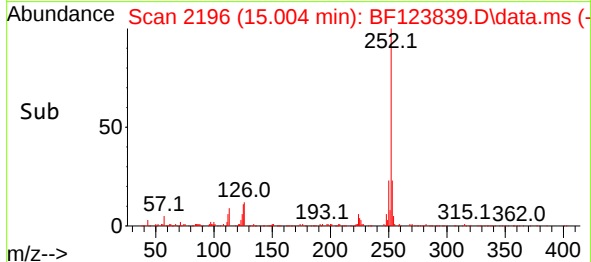
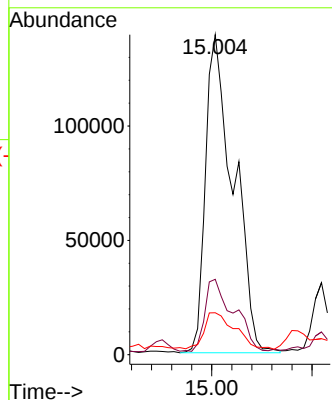
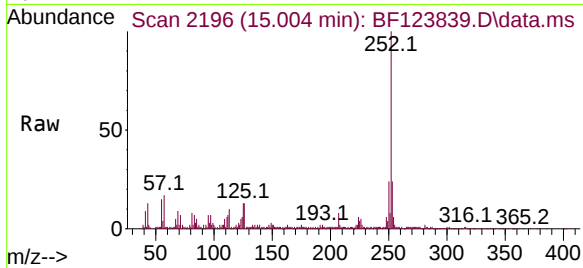




#88
Benzo(b)fluoranthene
Concen: 11.37 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

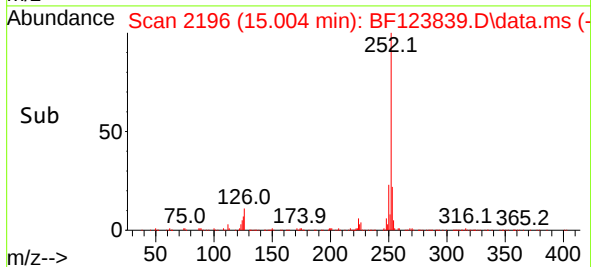
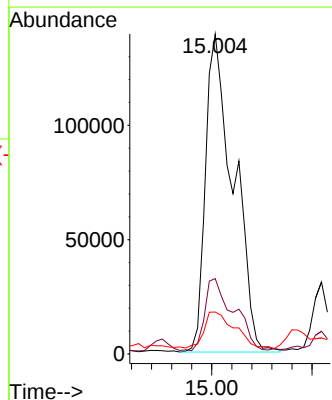
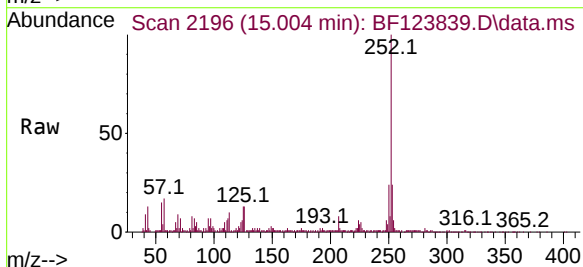
Instrument :
BNA_F
ClientSampleId :
EME-19

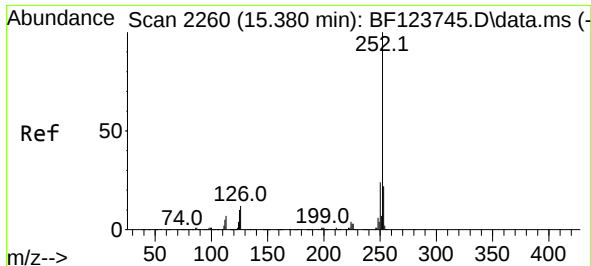
Tgt Ion:252 Resp: 269652
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 13.1 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 11.91 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.036 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

Tgt Ion:252 Resp: 269652
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 13.1 7.0 10.6#

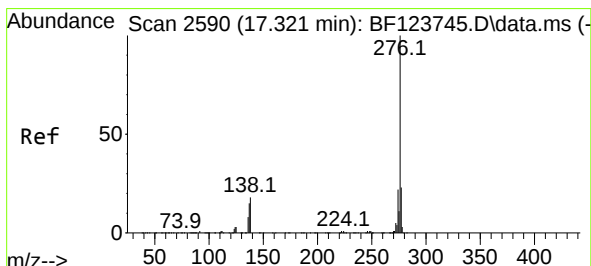
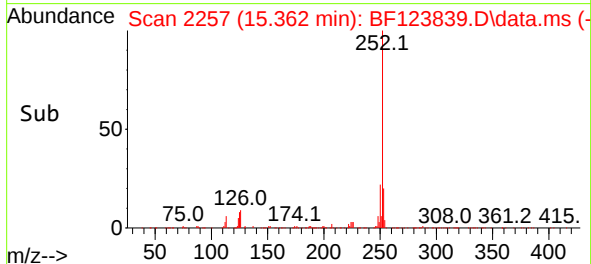
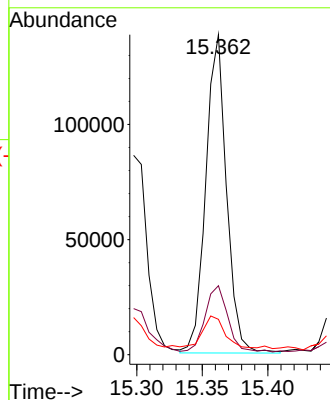
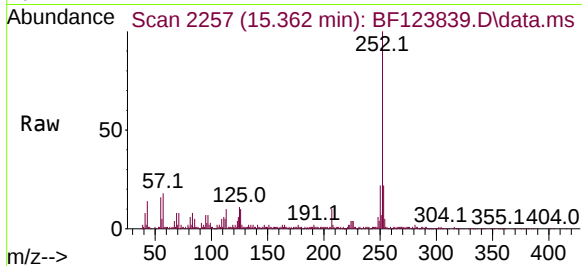




#90
Benzo(a)pyrene
Concen: 7.51 ng
RT: 15.362 min Scan# 2257
Delta R.T. -0.006 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

Instrument :
BNA_F
ClientSampleId :
EME-19

Tgt Ion:252 Resp: 152329
Ion Ratio Lower Upper
252 100
253 21.5 18.4 27.6
125 11.1 8.0 12.0



#92
Benzo(g,h,i)perylene
Concen: 3.94 ng
RT: 17.297 min Scan# 2586
Delta R.T. -0.018 min
Lab File: BF123839.D
Acq: 5 May 2021 21:18

Tgt Ion:276 Resp: 68250
Ion Ratio Lower Upper
276 100
277 26.9 18.2 27.2
138 17.9 13.8 20.6

