

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050521\
 Data File : BF123840.D
 Acq On : 5 May 2021 21:50
 Operator : JU/CG
 Sample : M2279-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EME-12

Quant Time: May 06 00:51:58 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)

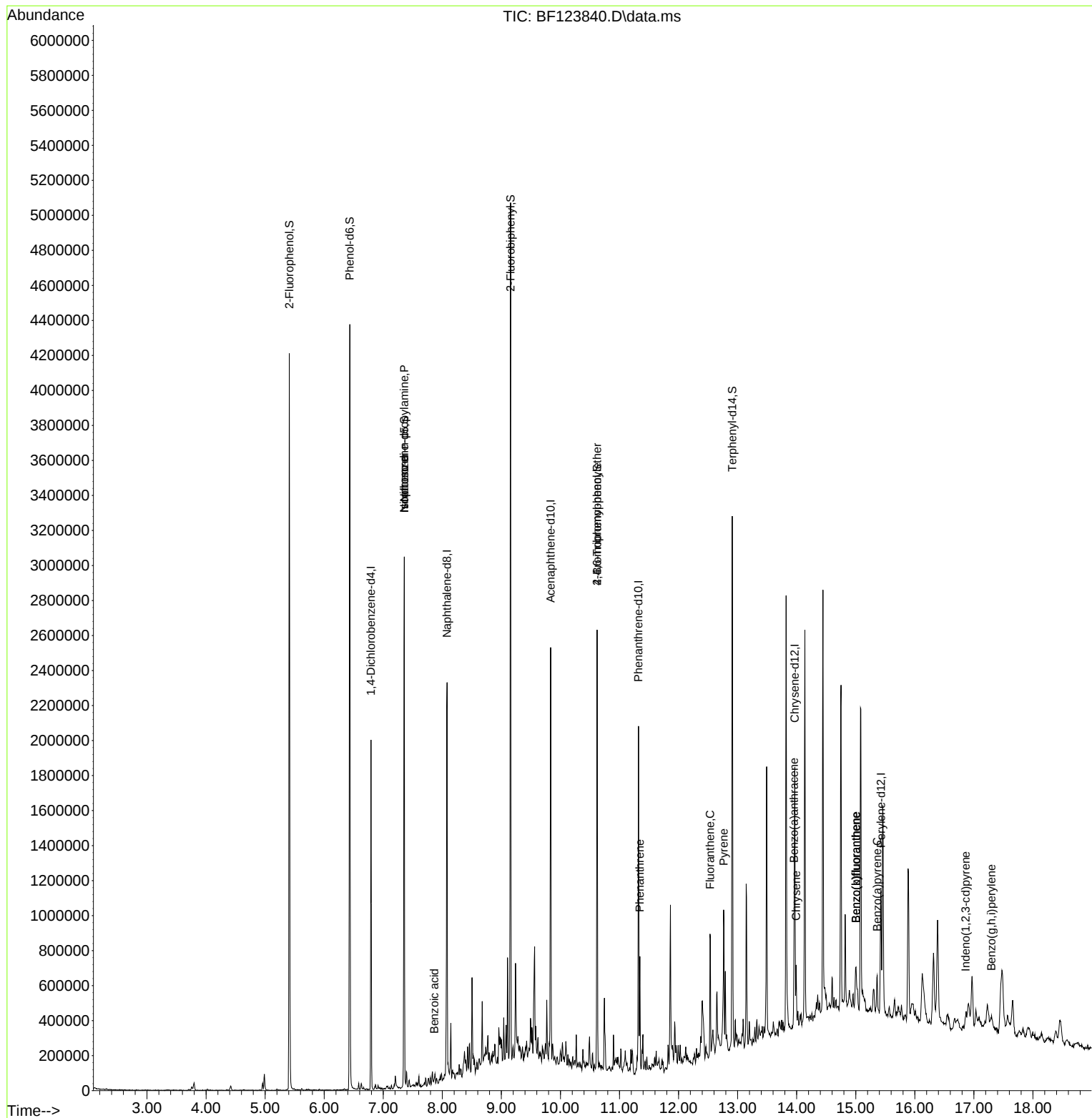
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	240949	20.00	ng	0.00
21) Naphthalene-d8	8.081	136	893822	20.00	ng	0.00
39) Acenaphthene-d10	9.833	164	409127	20.00	ng	0.00
64) Phenanthrene-d10	11.321	188	633475	20.00	ng	0.00
76) Chrysene-d12	13.968	240	453342	20.00	ng	0.00
86) Perylene-d12	15.427	264	329188	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	914733	60.14	ng	0.00
7) Phenol-d6	6.434	99	1218011	58.14	ng	0.00
23) Nitrobenzene-d5	7.357	82	847987	42.83	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	267206	52.46	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1281538	45.62	ng	0.00
79) Terphenyl-d14	12.910	244	952373	40.45	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	111669	8.63	ng	# 74
25) Isophorone	7.357	82	841963	22.68	ng	# 69
32) Benzoic acid	7.863	122	1603	5.55	ng	# 28
67) 4-Bromophenyl-phenylether	10.622	248	14354	2.15	ng	# 1
71) Phenanthrene	11.345	178	206891	6.23	ng	100
75) Fluoranthene	12.533	202	287535	7.93	ng	98
78) Pyrene	12.763	202	325038	9.24	ng	100
81) Benzo(a)anthracene	13.957	228	140172	5.10	ng	98
83) Chrysene	13.992	228	128066	4.63	ng	99
87) Indeno(1,2,3-cd)pyrene	16.862	276	45848	2.39	ng	98
88) Benzo(b)fluoranthene	15.004	252	160653	7.24	ng	# 92
89) Benzo(k)fluoranthene	15.004	252	160653	7.59	ng	# 92
90) Benzo(a)pyrene	15.362	252	87407	4.61	ng	# 95
92) Benzo(g,h,i)perylene	17.298	276	47297	2.92	ng	97

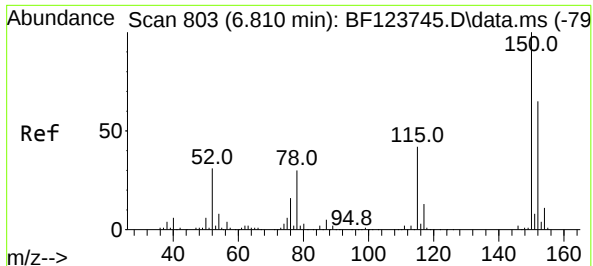
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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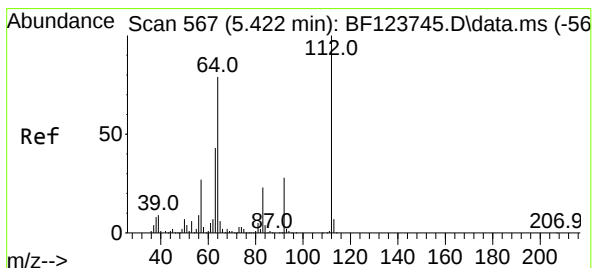
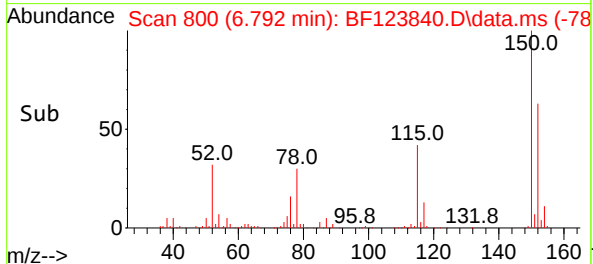
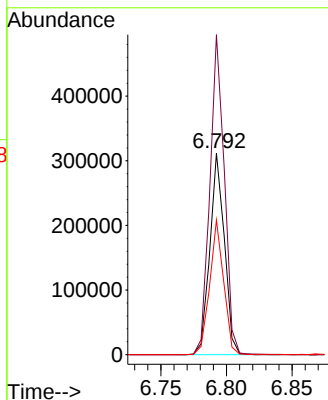
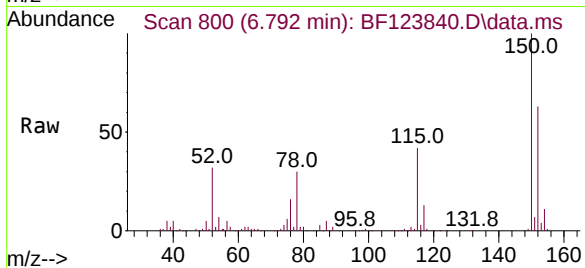




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

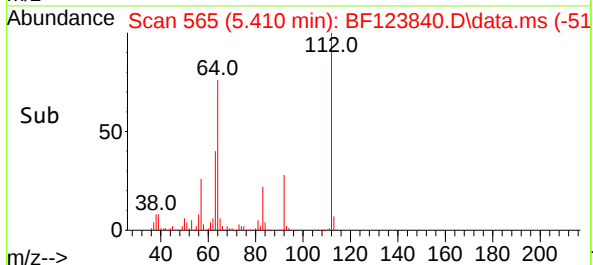
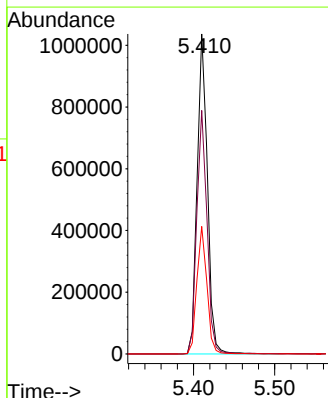
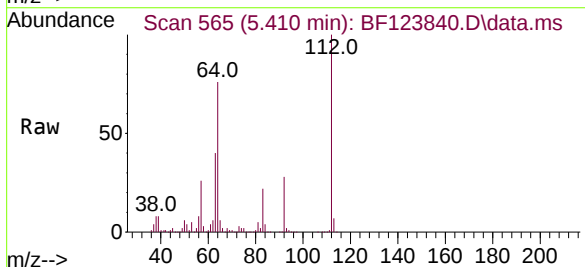
Instrument :
BNA_F
ClientSampleId :
EME-12

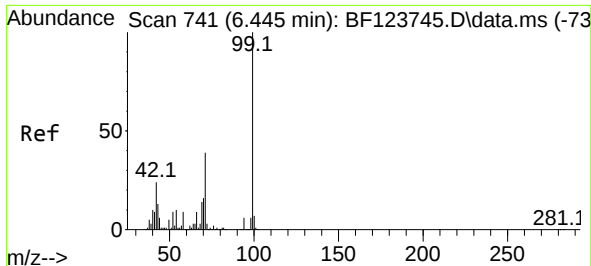
Tgt Ion:152 Resp: 240949
Ion Ratio Lower Upper
152 100
150 158.7 127.0 190.6
115 66.8 54.3 81.5



#5
2-Fluorophenol
Concen: 60.14 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.000 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

Tgt Ion:112 Resp: 914733
Ion Ratio Lower Upper
112 100
64 76.1 61.4 92.0
63 39.8 33.0 49.4

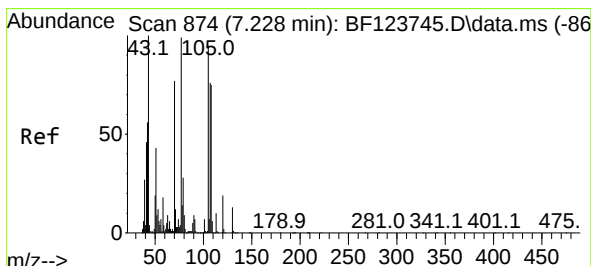
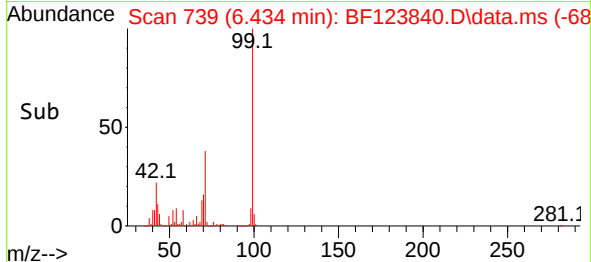
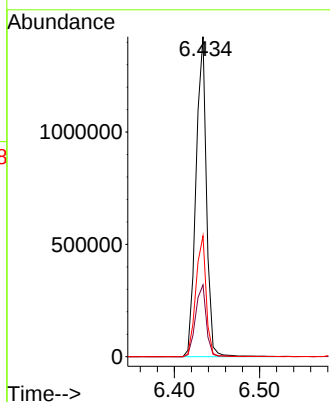
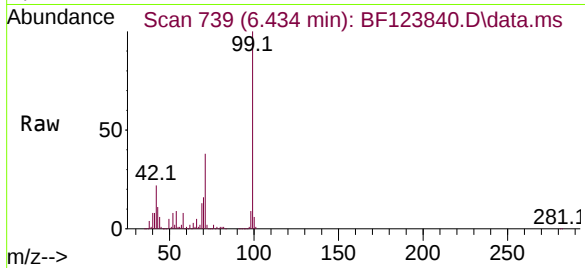




#7
Phenol-d6
Concen: 58.14 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

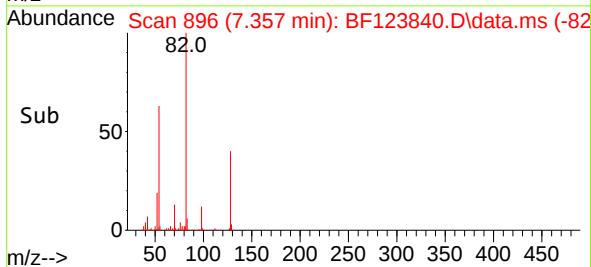
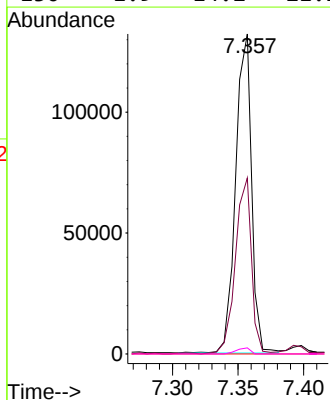
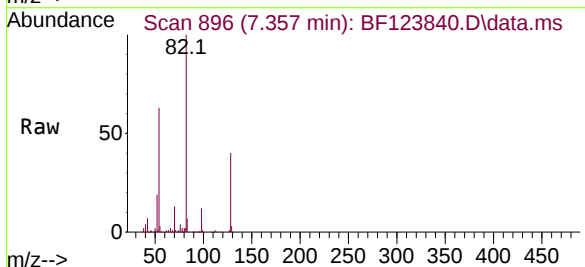
Instrument :
BNA_F
ClientSampleId :
EME-12

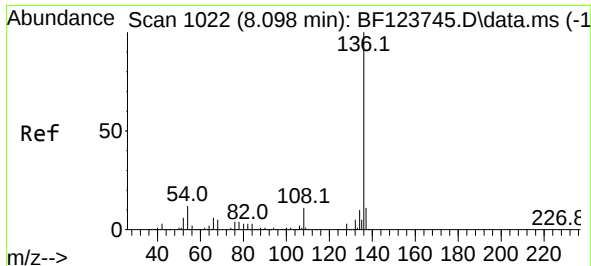
Tgt Ion: 99 Resp: 1218011
Ion Ratio Lower Upper
99 100
42 22.4 19.8 29.8
71 37.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 8.63 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

Tgt Ion: 70 Resp: 111669
Ion Ratio Lower Upper
70 100
42 55.0 60.1 90.1#
101 0.0 7.4 11.2#
130 1.9 14.2 21.2#



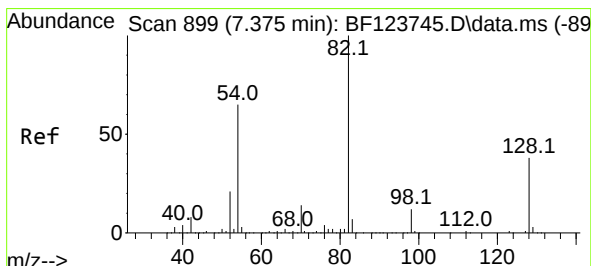
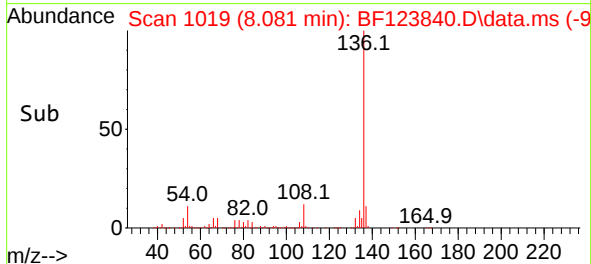
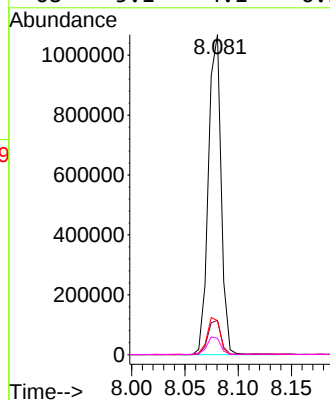
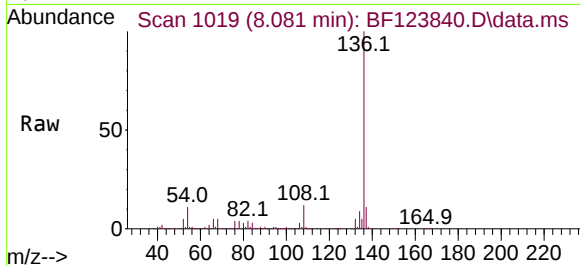


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

Instrument :
BNA_F
ClientSampled :
EME-12

Tgt Ion:136 Resp: 893822

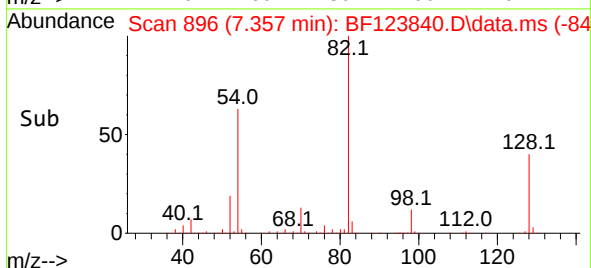
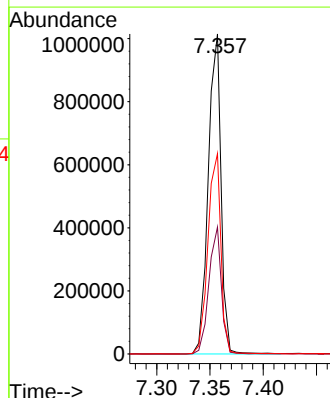
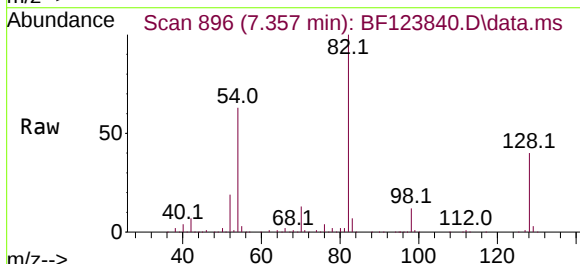
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	10.6	9.8	14.6
68	5.1	4.1	6.1

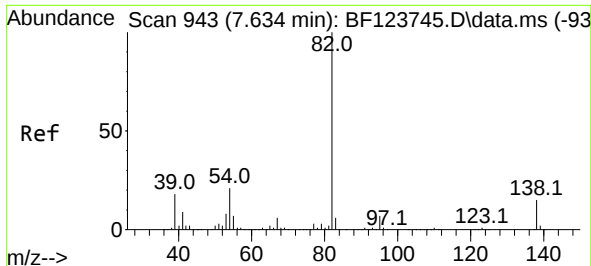


#23
Nitrobenzene-d5
Concen: 42.83 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

Tgt Ion: 82 Resp: 847987

Ion	Ratio	Lower	Upper
82	100		
128	39.6	29.4	44.2
54	62.6	54.1	81.1

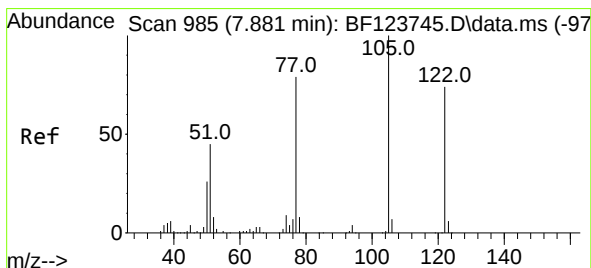
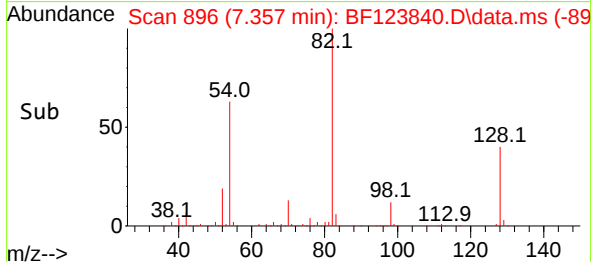
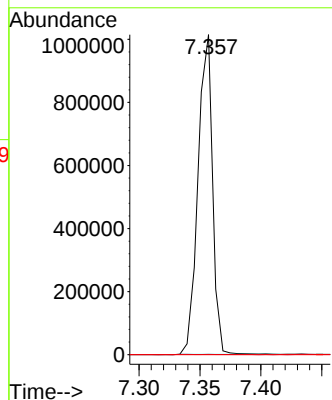
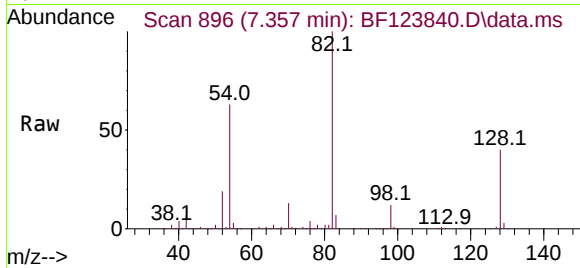




#25
Isophorone
Concen: 22.68 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

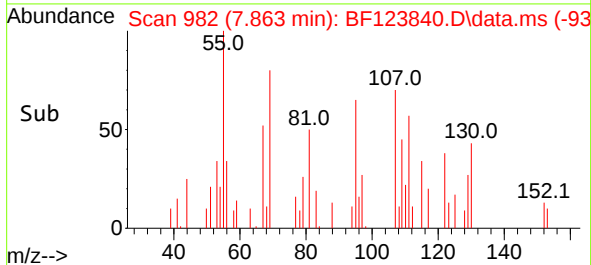
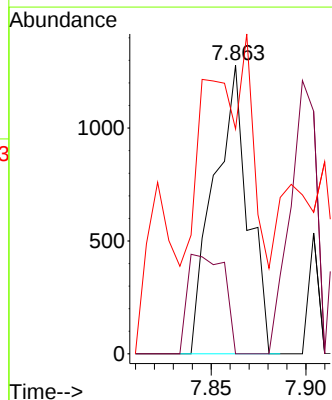
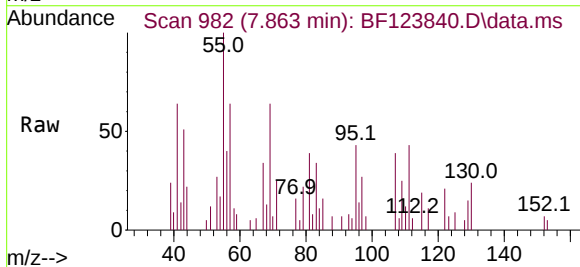
Instrument :
BNA_F
ClientSampleId :
EME-12

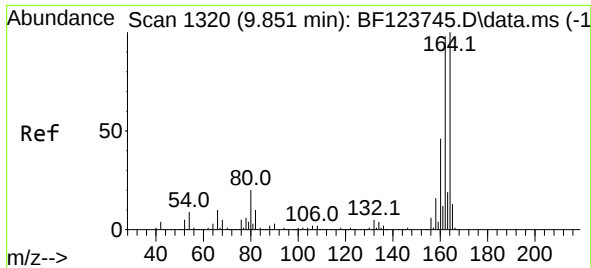
Tgt Ion: 82 Resp: 841963
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 5.55 ng
RT: 7.863 min Scan# 982
Delta R.T. -0.012 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

Tgt Ion: 122 Resp: 1603
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 77.9 81.6 121.6#

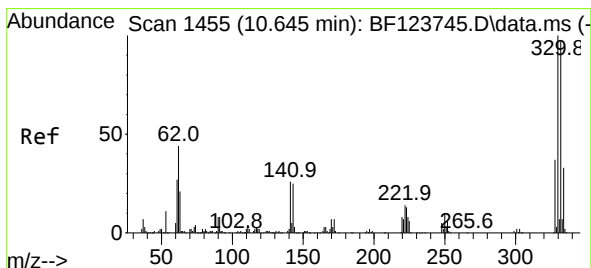
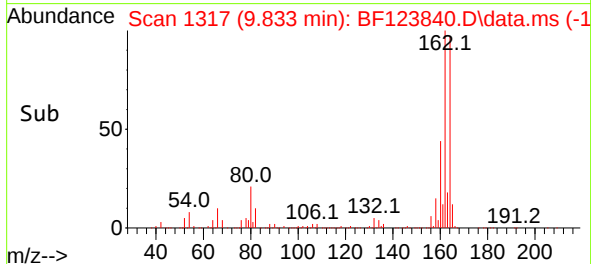
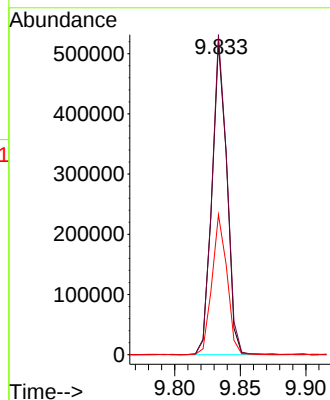
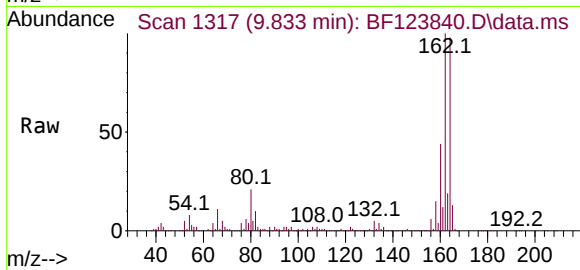




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

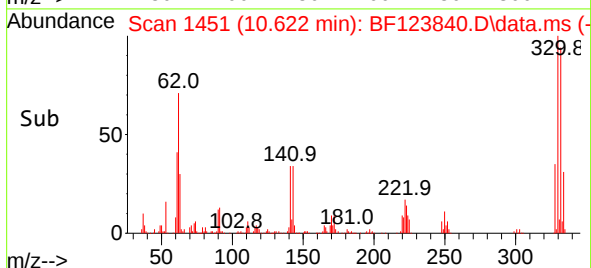
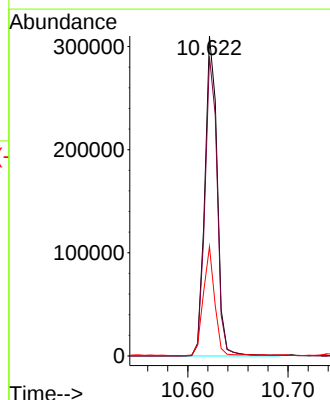
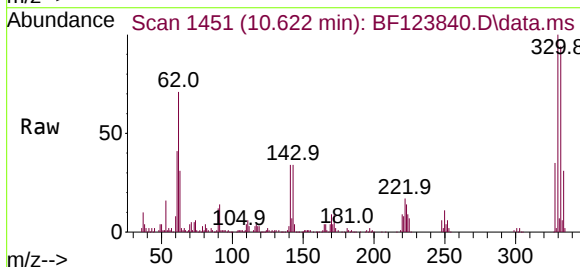
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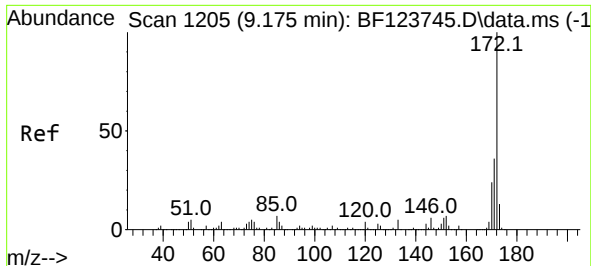
Tgt Ion:164 Resp: 409127
Ion Ratio Lower Upper
164 100
162 102.5 80.7 121.1
160 44.9 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 52.46 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

Tgt Ion:330 Resp: 267206
Ion Ratio Lower Upper
330 100
332 93.2 77.1 115.7
141 31.1 27.9 41.9

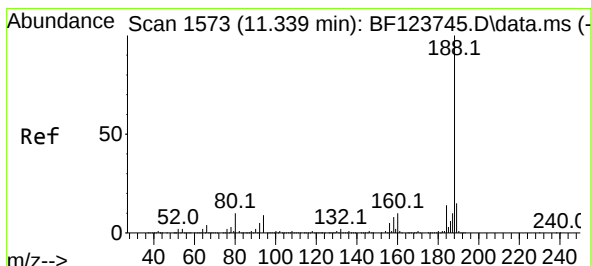
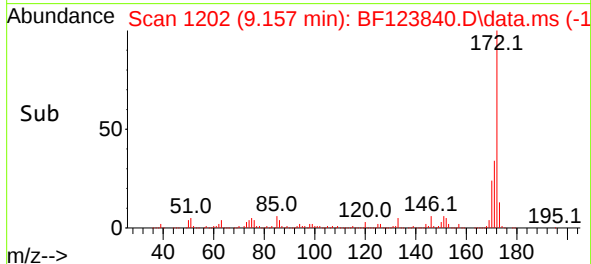
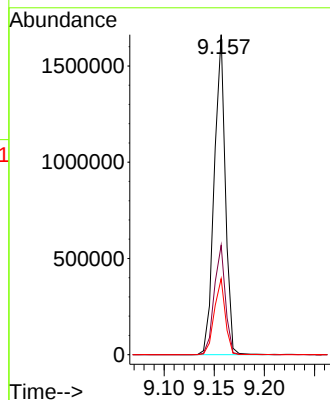
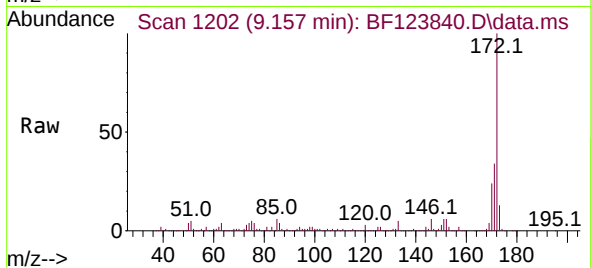




#45
2-Fluorobiphenyl
Concen: 45.62 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

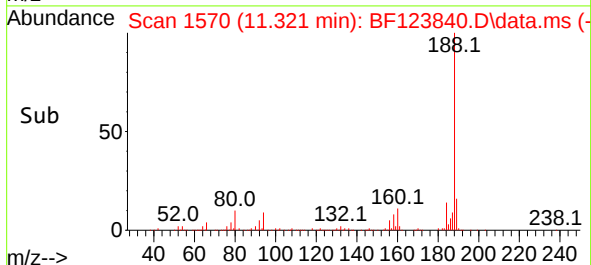
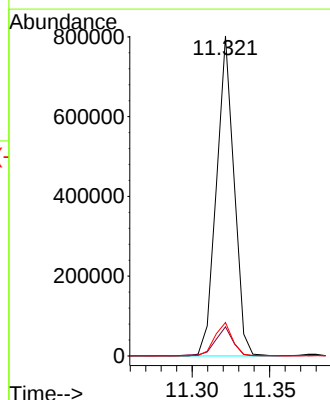
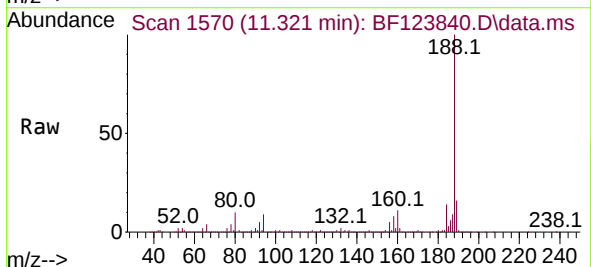
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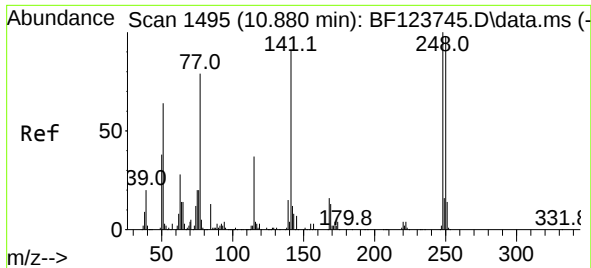
Tgt Ion:172 Resp: 1281538
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 23.8 19.2 28.8



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

Tgt Ion:188 Resp: 633475
Ion Ratio Lower Upper
188 100
94 9.1 6.9 10.3
80 10.4 8.2 12.2

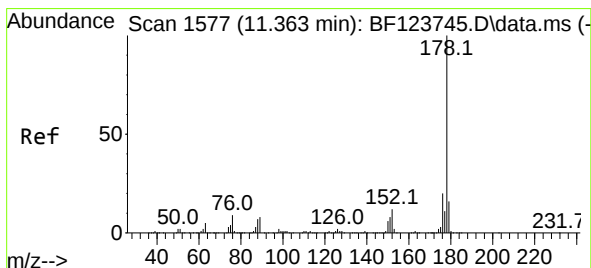
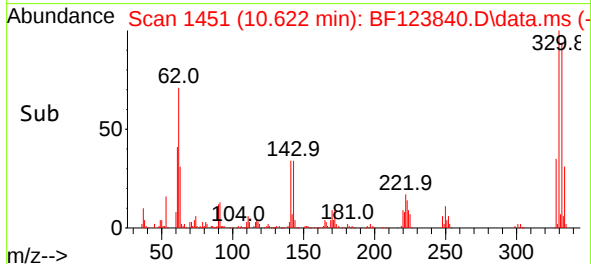
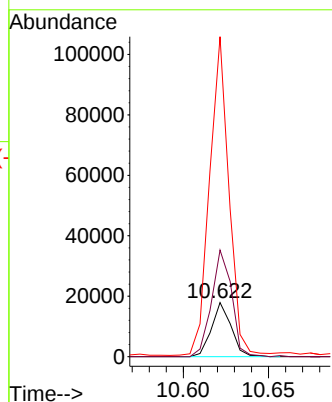
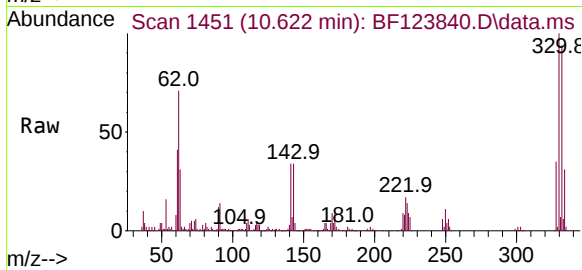




#67
4-Bromophenyl-phenylether
Concen: 2.15 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.253 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

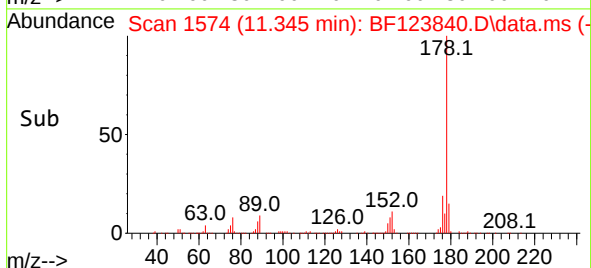
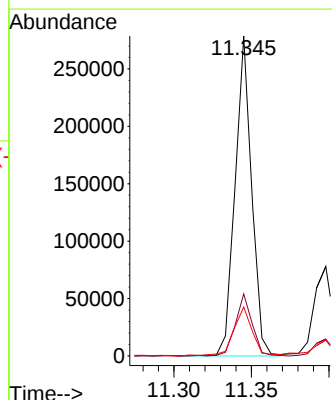
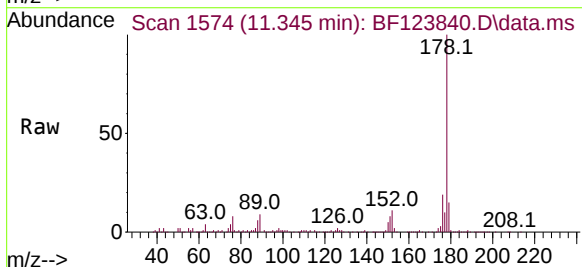
Instrument :
BNA_F
ClientSampled :
EME-12

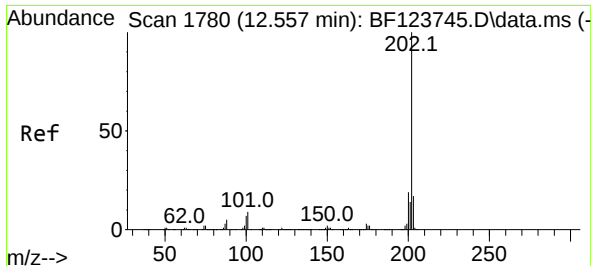
Tgt Ion:248 Resp: 14354
Ion Ratio Lower Upper
248 100
250 197.3 77.4 116.2#
141 592.1 63.7 95.5#



#71
Phenanthrene
Concen: 6.23 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

Tgt Ion:178 Resp: 206891
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.3 12.5 18.7

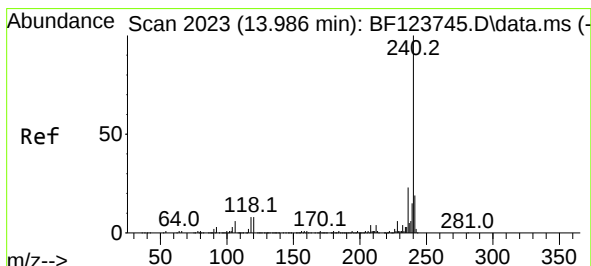
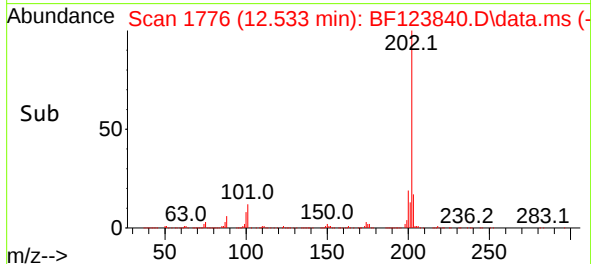
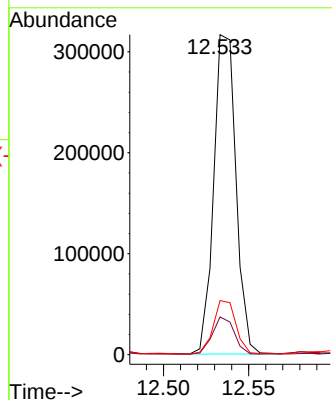
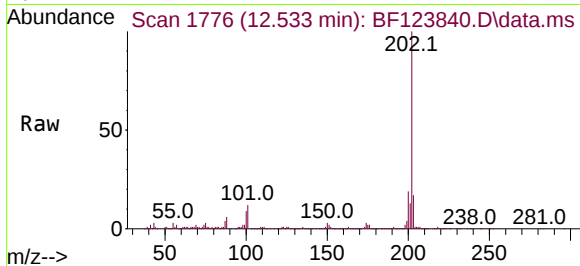




#75
Fluoranthene
Concen: 7.93 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

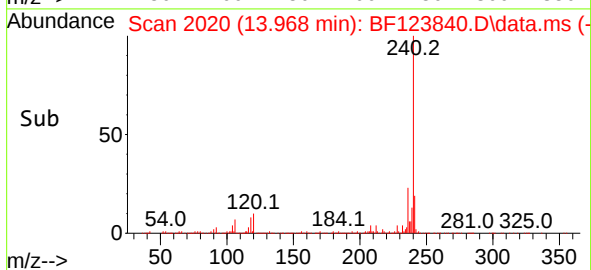
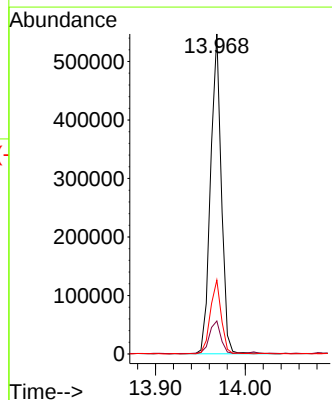
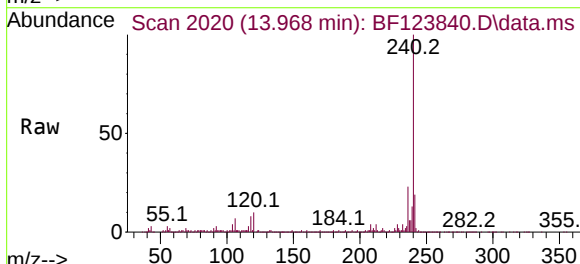
Instrument :
BNA_F
ClientSampled :
EME-12

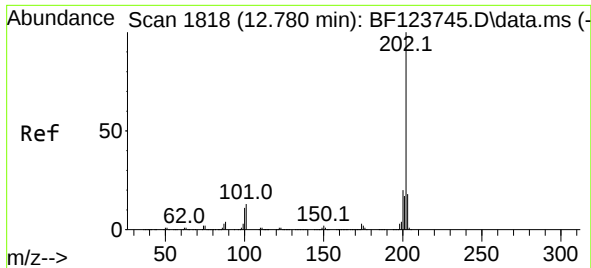
Tgt Ion:202 Resp: 287535
Ion Ratio Lower Upper
202 100
101 11.8 0.0 30.9
203 16.9 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

Tgt Ion:240 Resp: 453342
Ion Ratio Lower Upper
240 100
120 10.3 7.2 10.8
236 23.1 19.0 28.4

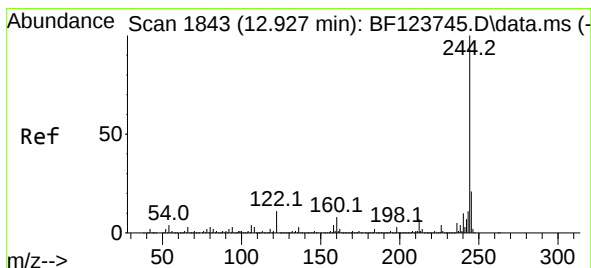
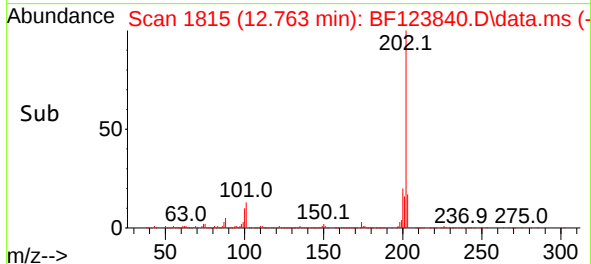
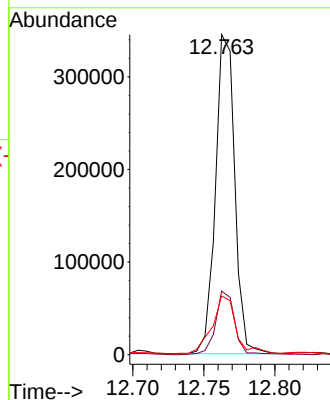
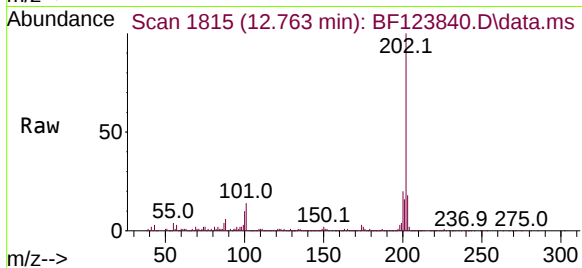




#78
Pyrene
Concen: 9.24 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

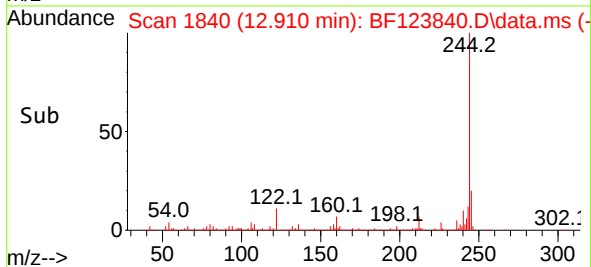
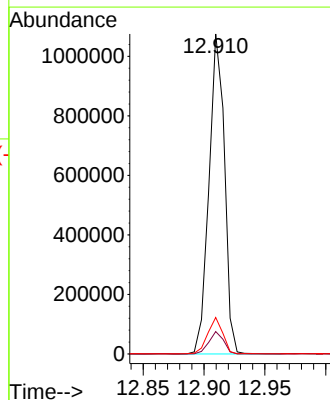
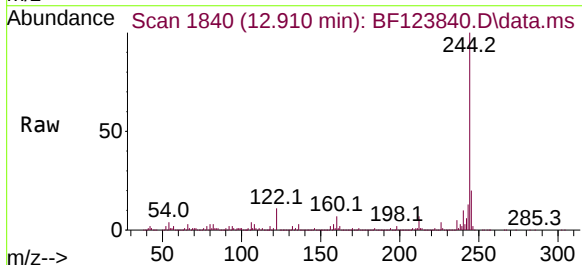
Instrument :
BNA_F
ClientSampled :
EME-12

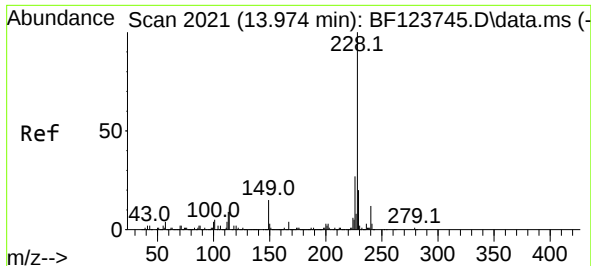
Tgt Ion:202 Resp: 325038
Ion Ratio Lower Upper
202 100
200 19.9 16.1 24.1
203 18.3 14.8 22.2



#79
Terphenyl-d14
Concen: 40.45 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

Tgt Ion:244 Resp: 952373
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 11.4 9.7 14.5

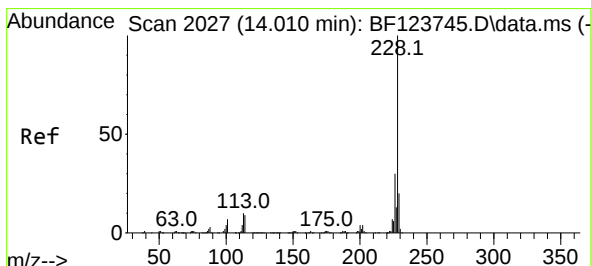
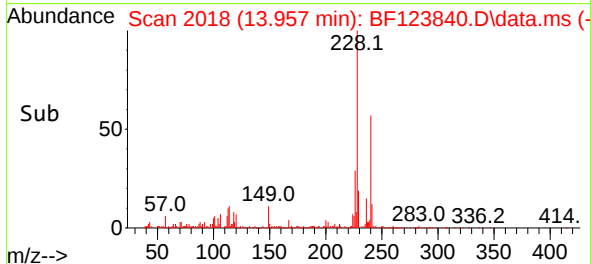
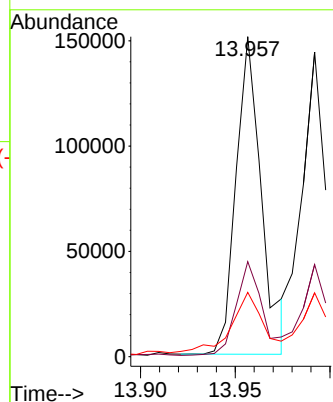
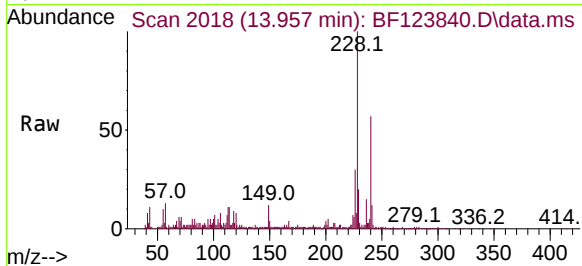




#81
Benzo(a)anthracene
Concen: 5.10 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

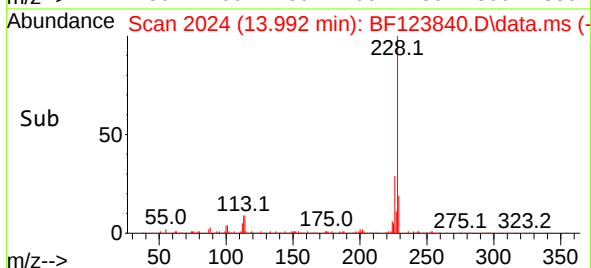
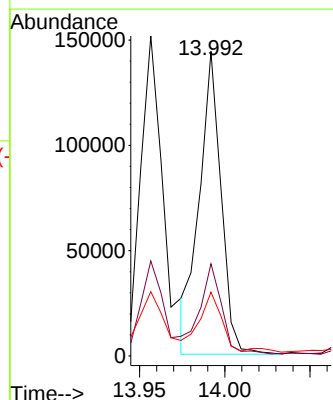
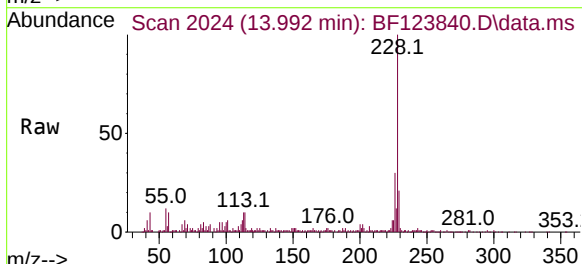
Instrument :
BNA_F
ClientSampleId :
EME-12

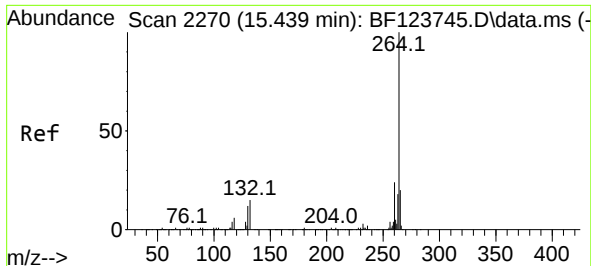
Tgt Ion:228 Resp: 140172
Ion Ratio Lower Upper
228 100
226 29.7 22.4 33.6
229 20.1 16.0 24.0



#83
Chrysene
Concen: 4.63 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

Tgt Ion:228 Resp: 128066
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 21.0 16.2 24.2

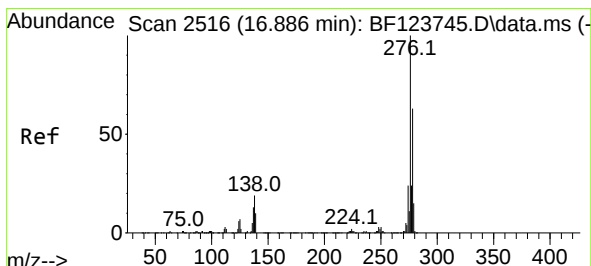
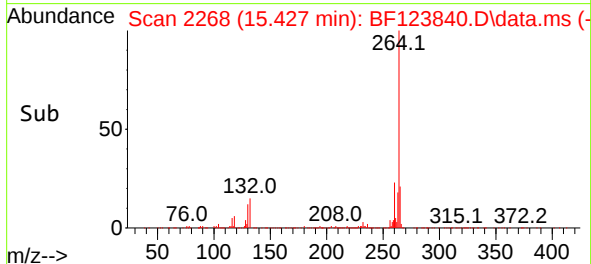
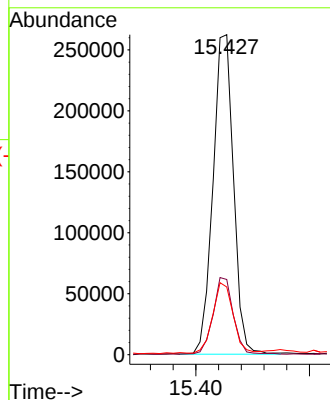
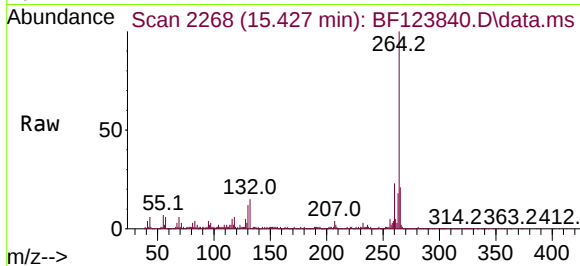




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.000 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

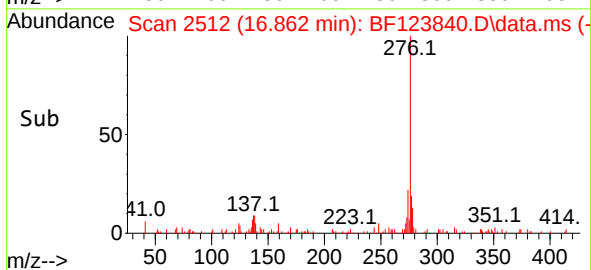
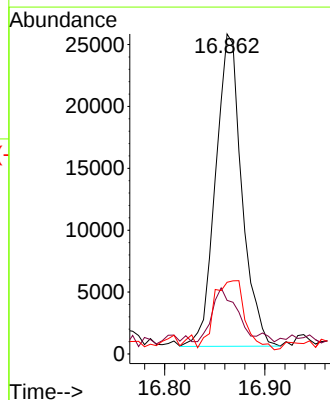
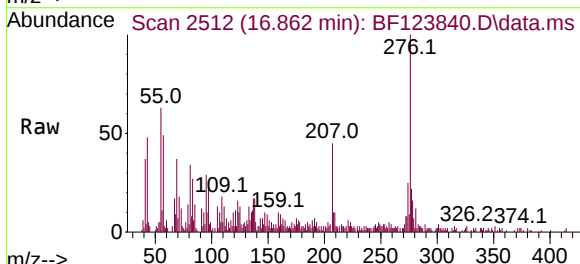
Instrument :
BNA_F
ClientSampleId :
EME-12

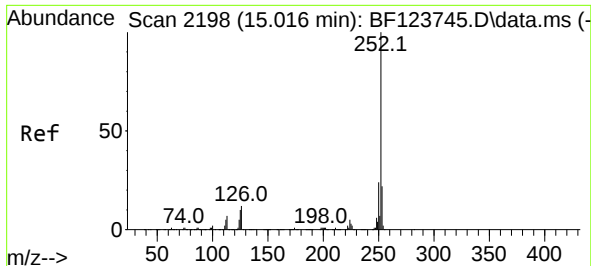
Tgt Ion:264 Resp: 329188
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.2 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.39 ng
RT: 16.862 min Scan# 2512
Delta R.T. -0.018 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

Tgt Ion:276 Resp: 45848
Ion Ratio Lower Upper
276 100
138 19.7 16.2 24.2
277 26.1 20.1 30.1

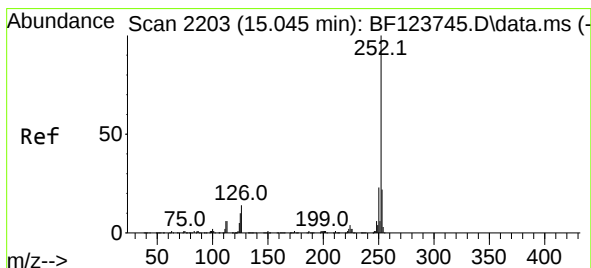
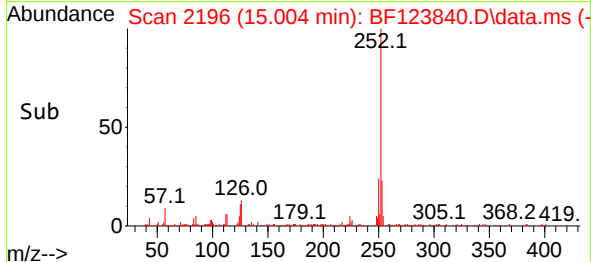
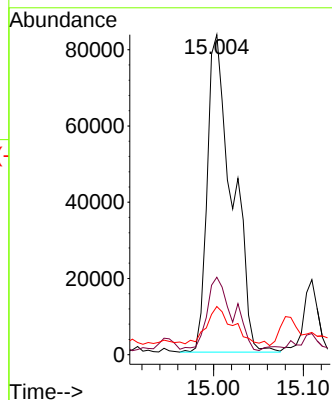
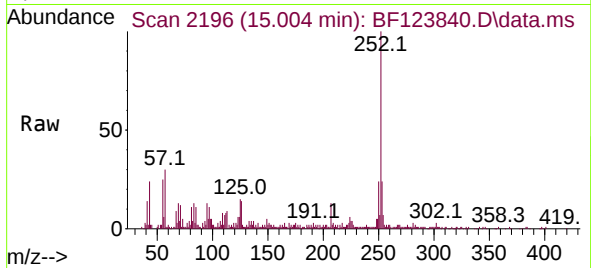




#88
Benzo(b)fluoranthene
Concen: 7.24 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

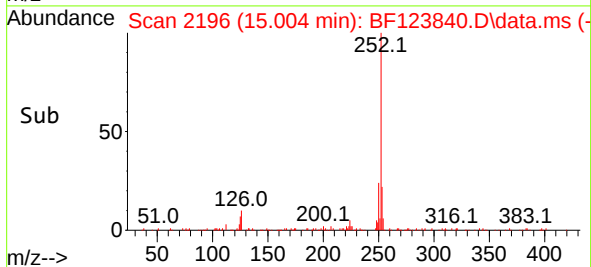
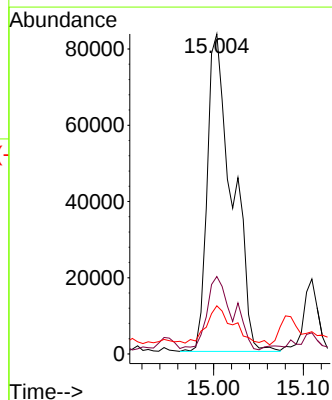
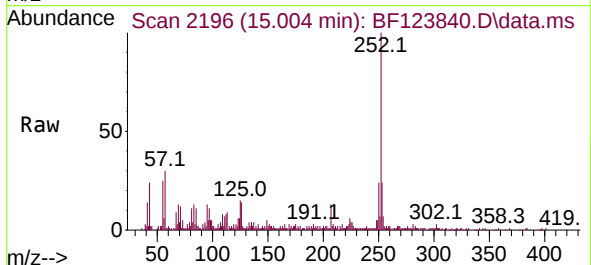
Instrument :
BNA_F
ClientSampleId :
EME-12

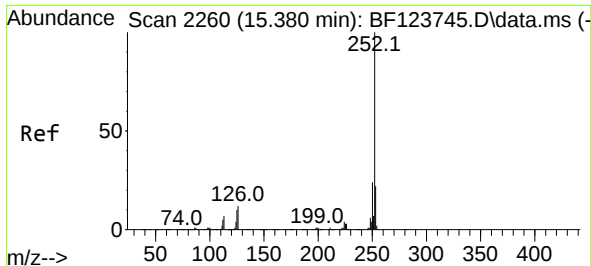
Tgt Ion:252 Resp: 160653
Ion Ratio Lower Upper
252 100
253 24.2 18.1 27.1
125 15.1 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 7.59 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

Tgt Ion:252 Resp: 160653
Ion Ratio Lower Upper
252 100
253 24.2 17.9 26.9
125 15.1 7.0 10.6#

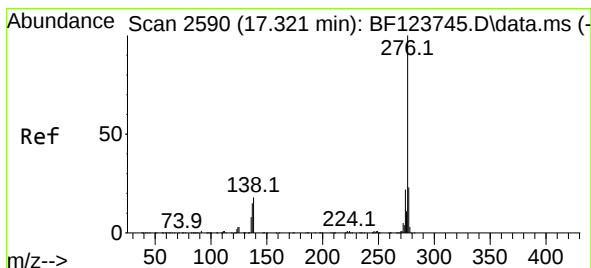
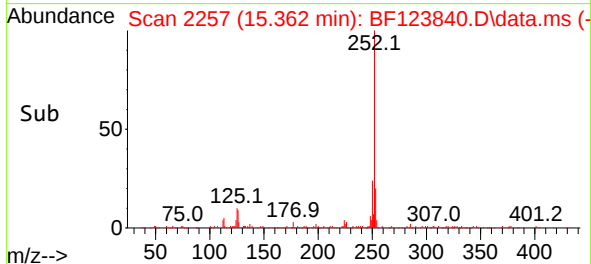
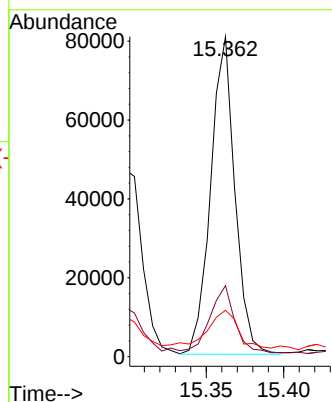
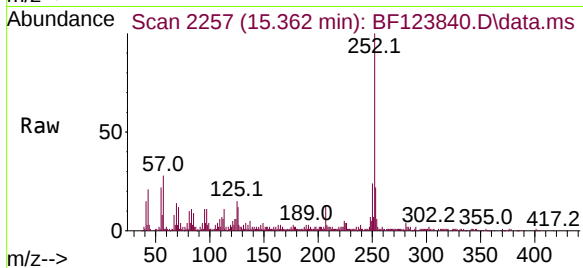




#90
Benzo(a)pyrene
Concen: 4.61 ng
RT: 15.362 min Scan# 2257
Delta R.T. -0.006 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

Instrument :
BNA_F
ClientSampleId :
EME-12

Tgt Ion:252 Resp: 87407
Ion Ratio Lower Upper
252 100
253 22.2 18.4 27.6
125 14.5 8.0 12.0#



#92
Benzo(g,h,i)perylene
Concen: 2.92 ng
RT: 17.298 min Scan# 2586
Delta R.T. -0.018 min
Lab File: BF123840.D
Acq: 5 May 2021 21:50

Tgt Ion:276 Resp: 47297
Ion Ratio Lower Upper
276 100
277 22.1 18.2 27.2
138 19.5 13.8 20.6

