

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041621\
 Data File : BF123610.D
 Acq On : 17 Apr 2021 1:04
 Operator : JU/CG
 Sample : M2040-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILL-A

Quant Time: Apr 17 02:23:13 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 10:31:33 2021
 Response via : Initial Calibration

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

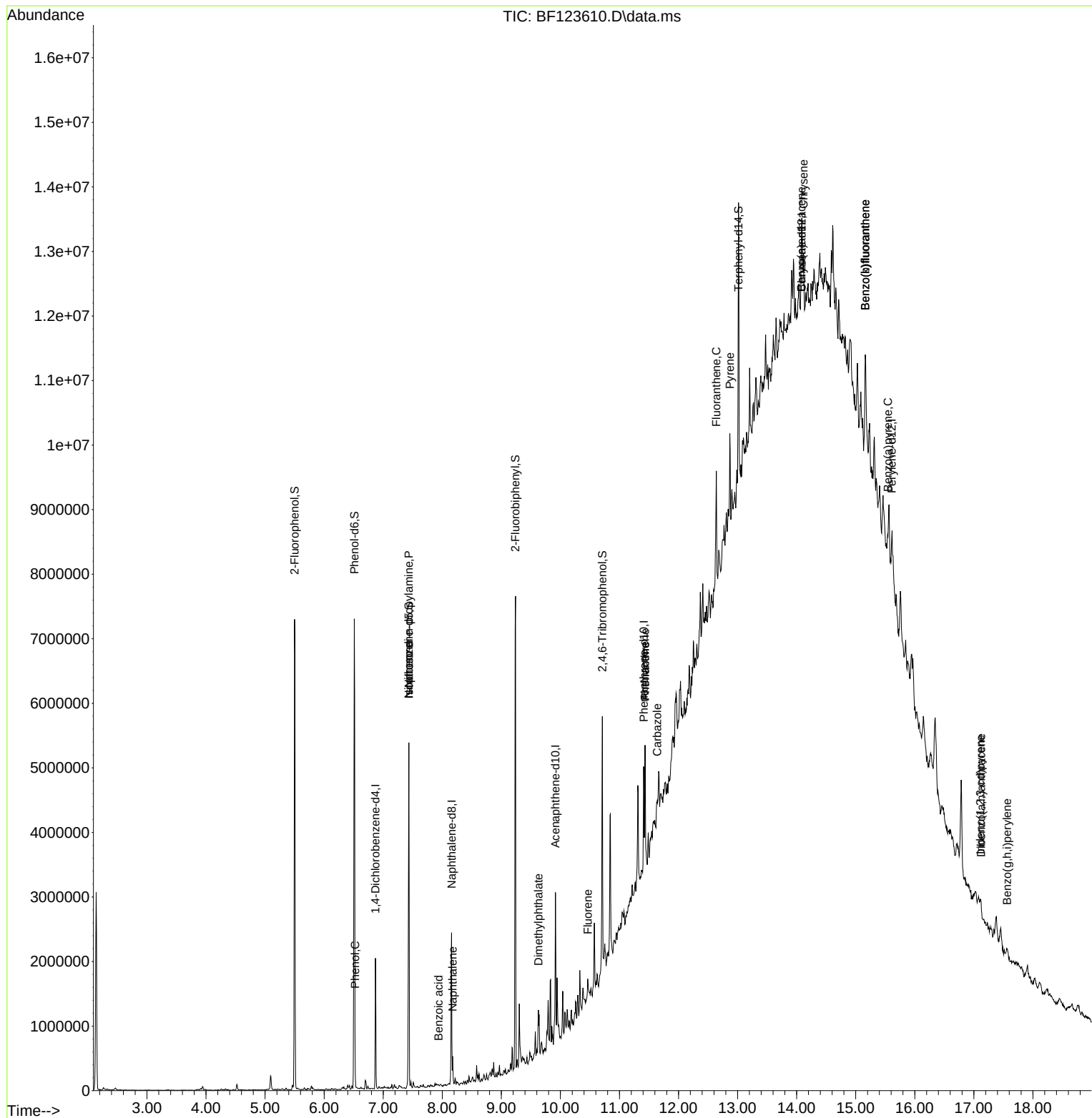
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	244244	20.00	ng	0.00
21) Naphthalene-d8	8.157	136	891617	20.00	ng	0.00
39) Acenaphthene-d10	9.916	164	380841	20.00	ng	0.00
64) Phenanthrene-d10	11.410	188	548135	20.00	ng	# 0.00
76) Chrysene-d12	14.086	240	382534	20.00	ng	# 0.03
86) Perylene-d12	15.610	264	330163	20.00	ng	# 0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1688872	111.76	ng	0.02
7) Phenol-d6	6.510	99	2211671	105.62	ng	0.01
23) Nitrobenzene-d5	7.434	82	1584308	81.69	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	435984	101.09	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2170035	84.94	ng	0.00
79) Terphenyl-d14	13.016	244	1470241	74.70	ng	0.02
Target Compounds						
						Qvalue
10) Phenol	6.522	94	61658	2.77	ng	94
19) n-Nitroso-di-n-propyla...	7.434	70	217891	15.71	ng	# 71
25) Isophorone	7.434	82	1578631	41.95	ng	# 69
31) Naphthalene	8.175	128	140473	3.06	ng	99
32) Benzoic acid	7.940	122	2654	4.83	ng	# 32
50) Dimethylphthalate	9.628	163	71479	2.72	ng	# 92
58) Fluorene	10.463	166	58034	2.19	ng	# 91
71) Phenanthrene	11.433	178	609891	21.32	ng	97
72) Anthracene	11.433	178	609891	21.33	ng	97
73) Carbazole	11.639	167	84634	2.97	ng	# 83
75) Fluoranthene	12.639	202	753759	23.98	ng	94
78) Pyrene	12.869	202	673412	24.12	ng	96
81) Benzo(a)anthracene	14.080	228	328860	14.03	ng	# 88
83) Chrysene	14.116	228	350122	14.87	ng	# 88
87) Indeno(1,2,3-cd)pyrene	17.110	276	150234	8.53	ng	99
88) Benzo(b)fluoranthene	15.163	252	477066	20.47	ng	# 61
89) Benzo(k)fluoranthene	15.163	252	477066	22.04	ng	# 60
90) Benzo(a)pyrene	15.545	252	240306	12.96	ng	# 68
91) Dibenzo(a,h)anthracene	17.121	278	43235	2.90	ng	# 33
92) Benzo(g,h,i)perylene	17.562	276	144866	11.95	ng	# 92

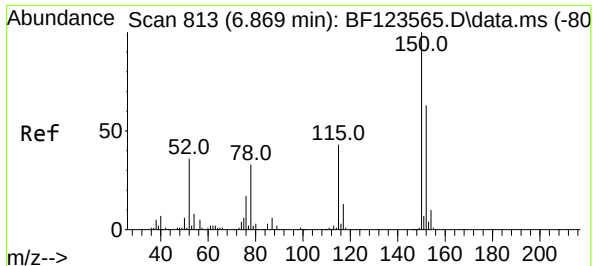
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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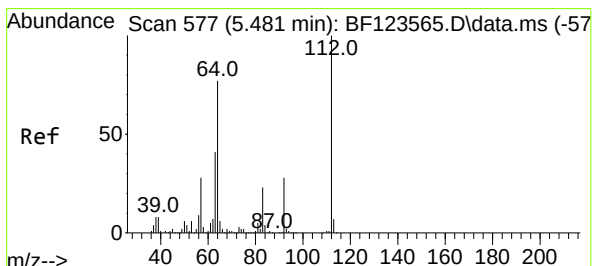
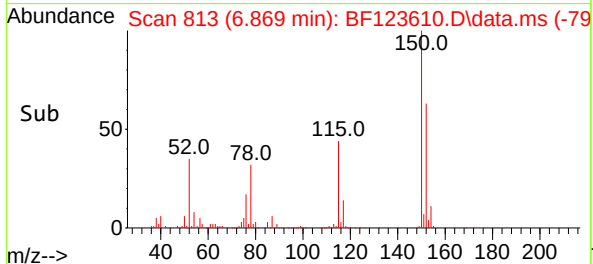
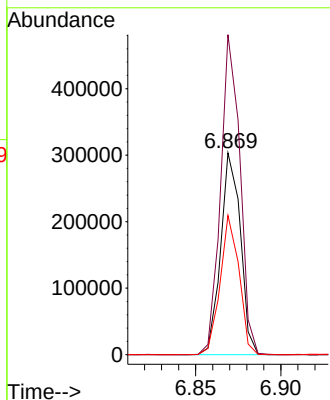
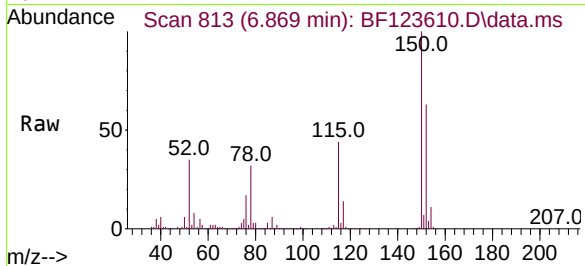




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

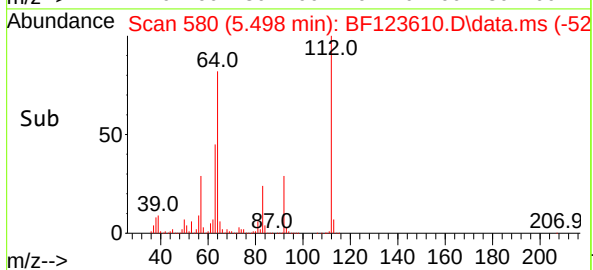
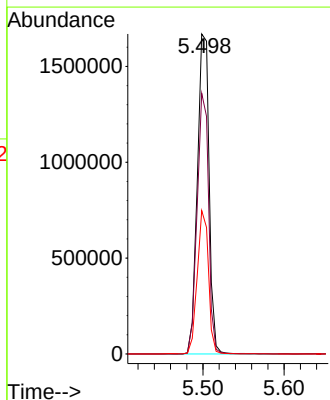
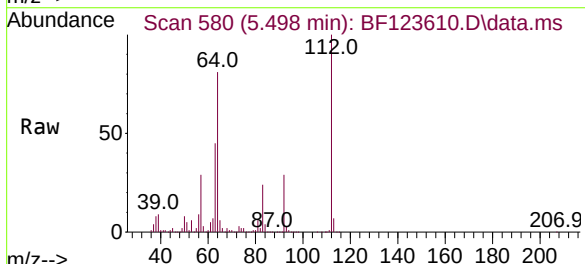
Instrument :
BNA_F
ClientSampleId :
FILL-A

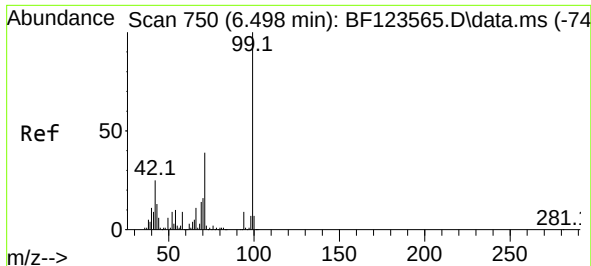
Tgt Ion:152 Resp: 244244
Ion Ratio Lower Upper
152 100
150 158.6 127.0 190.6
115 69.0 54.3 81.5



#5
2-Fluorophenol
Concen: 111.76 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

Tgt Ion:112 Resp: 1688872
Ion Ratio Lower Upper
112 100
64 81.5 61.4 92.0
63 44.8 33.0 49.4

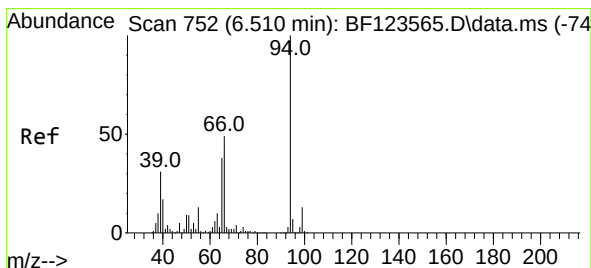
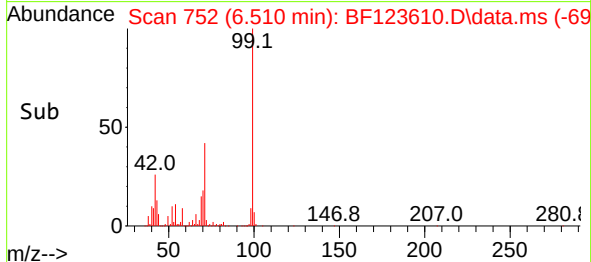
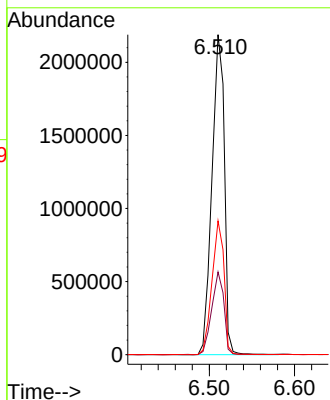
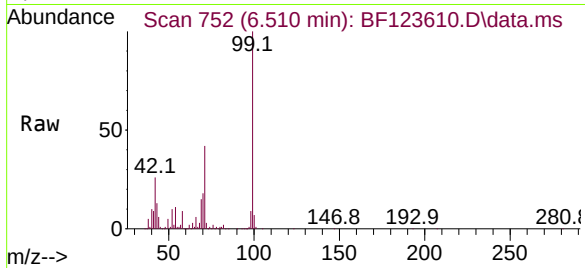




#7
Phenol-d6
Concen: 105.62 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.012 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

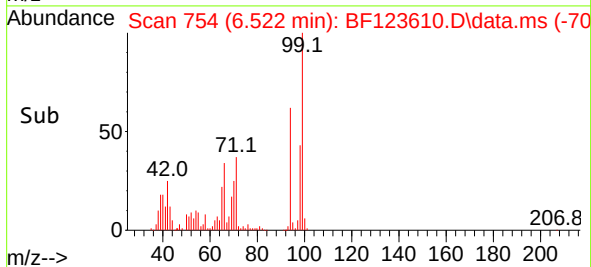
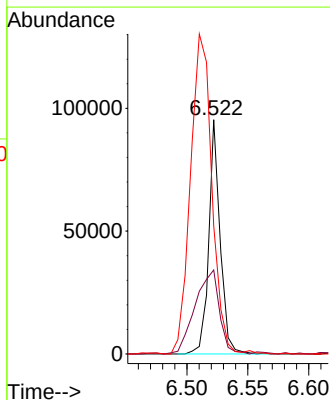
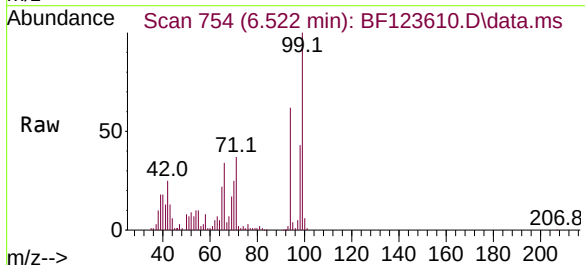
Instrument :
BNA_F
ClientSampleId :
FILL-A

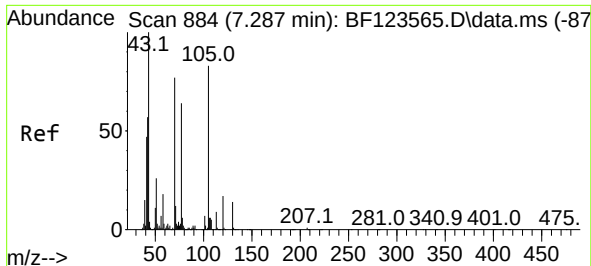
Tgt Ion: 99 Resp: 2211671
Ion Ratio Lower Upper
99 100
42 25.9 19.8 29.8
71 41.8 31.1 46.7



#10
Phenol
Concen: 2.77 ng
RT: 6.522 min Scan# 754
Delta R.T. 0.012 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

Tgt Ion: 94 Resp: 61658
Ion Ratio Lower Upper
94 100
65 35.9 18.1 58.1
66 54.7 29.0 69.0

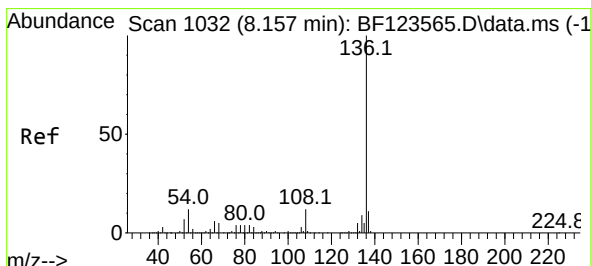
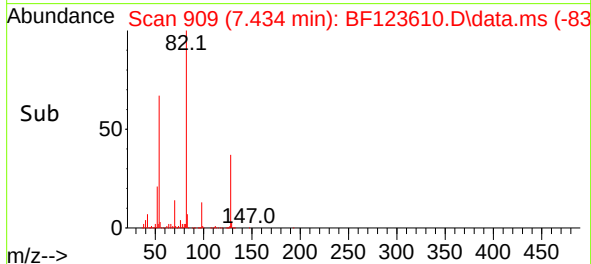
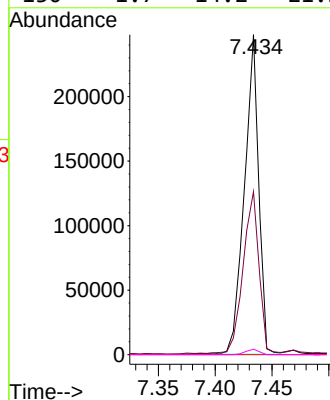
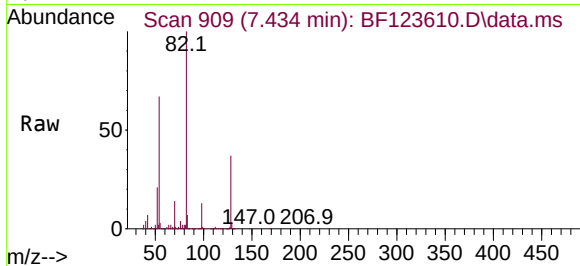




#19
n-Nitroso-di-n-propylamine
Concen: 15.71 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

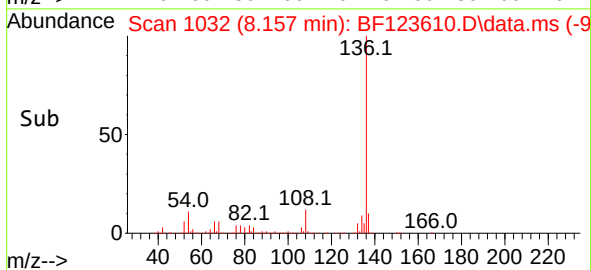
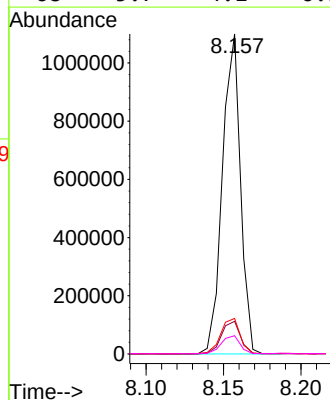
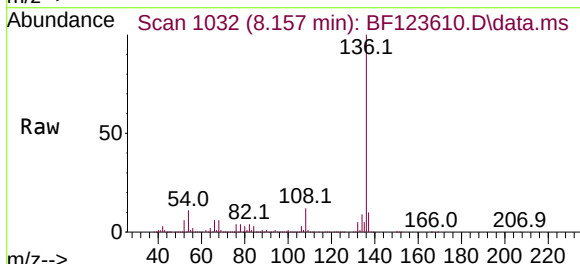
Instrument :
BNA_F
ClientSampleId :
FILL-A

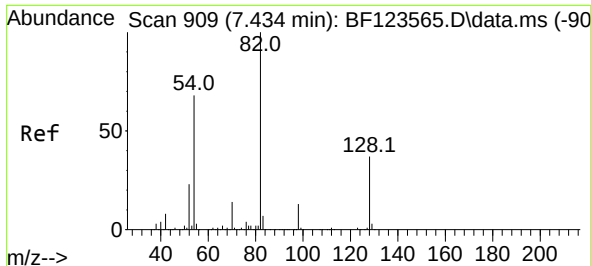
Tgt Ion	70	Resp:	217891
Ion Ratio	100	Lower	Upper
70	100		
42	51.0	60.1	90.1#
101	0.0	7.4	11.2#
130	1.7	14.2	21.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

Tgt Ion	136	Resp:	891617
Ion Ratio	100	Lower	Upper
136	100		
137	10.2	8.7	13.1
54	11.1	9.8	14.6
68	5.7	4.1	6.1





#23

Nitrobenzene-d5

Concen: 81.69 ng

RT: 7.434 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF123610.D

Acq: 17 Apr 2021 1:04

Tgt Ion: 82 Resp: 1584308

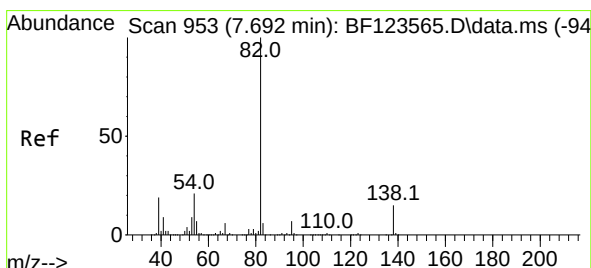
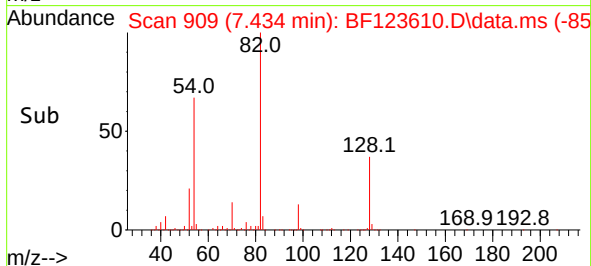
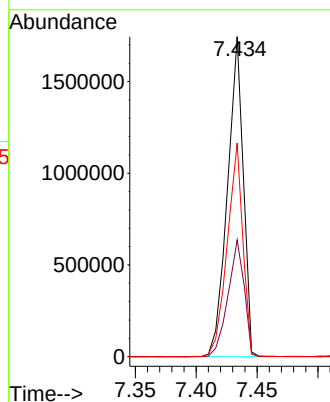
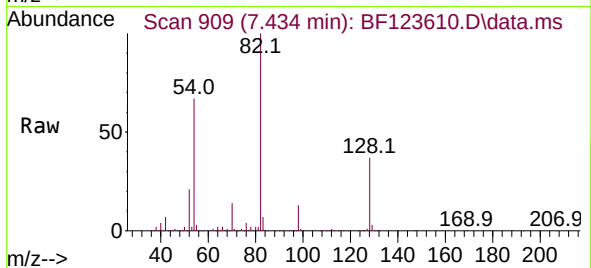
Ion	Ratio	Lower	Upper
82	100		
128	36.5	29.4	44.2
54	66.8	54.1	81.1

Instrument :

BNA_F

ClientSampleId :

FILL-A



#25

Isophorone

Concen: 41.95 ng

RT: 7.434 min Scan# 909

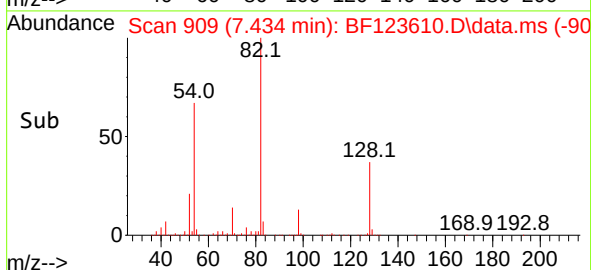
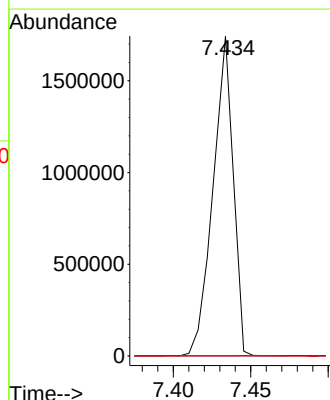
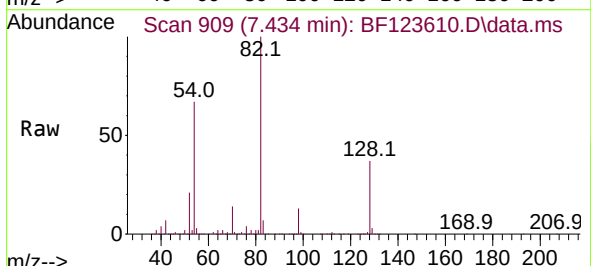
Delta R.T. -0.259 min

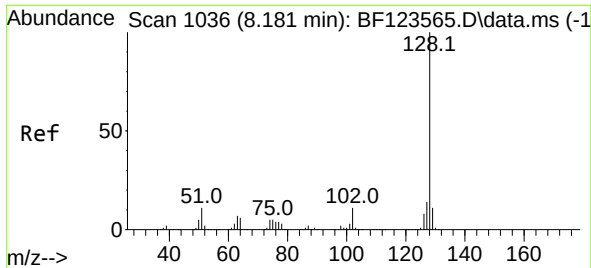
Lab File: BF123610.D

Acq: 17 Apr 2021 1:04

Tgt Ion: 82 Resp: 1578631

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.8	8.6#
138	0.0	11.8	17.8#

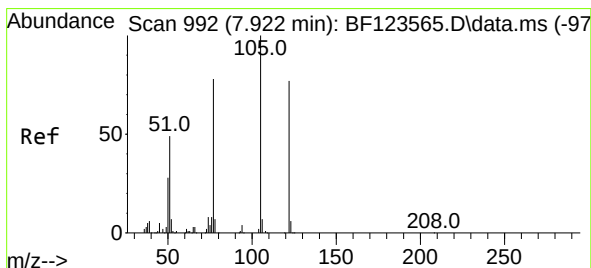
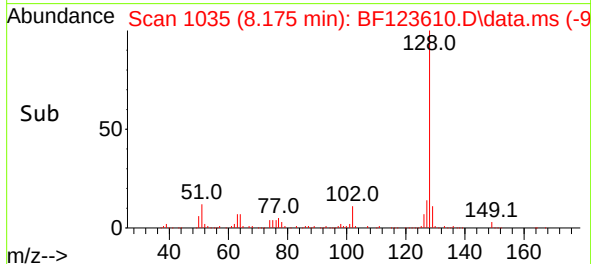
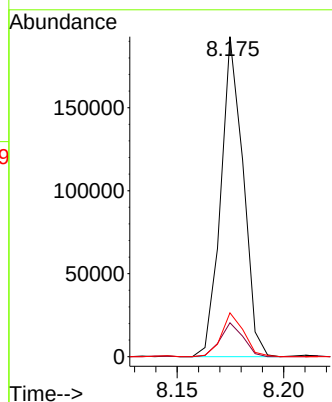
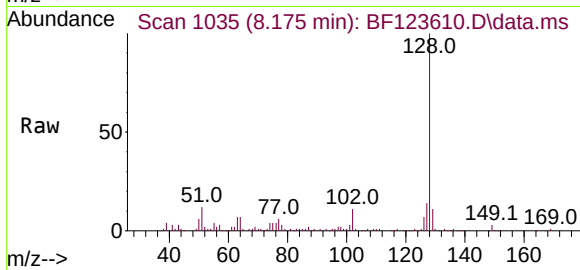




#31
Naphthalene
Concen: 3.06 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

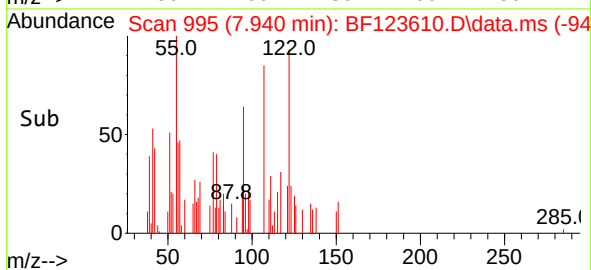
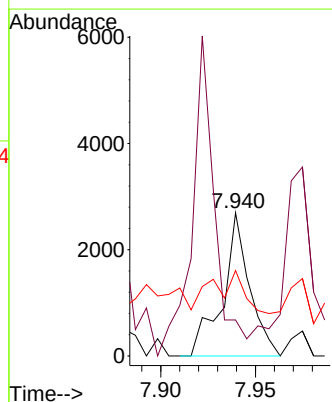
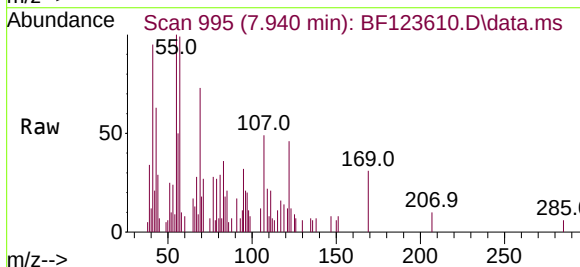
Instrument :
BNA_F
ClientSampleId :
FILL-A

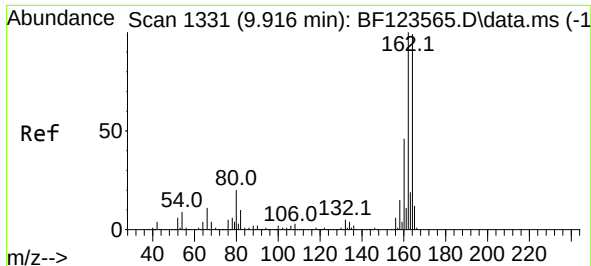
Tgt Ion:128 Resp: 140473
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 13.7 10.8 16.2



#32
Benzoic acid
Concen: 4.83 ng
RT: 7.940 min Scan# 995
Delta R.T. 0.018 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

Tgt Ion:122 Resp: 2654
Ion Ratio Lower Upper
122 100
105 25.2 107.8 147.8#
77 59.7 81.6 121.6#

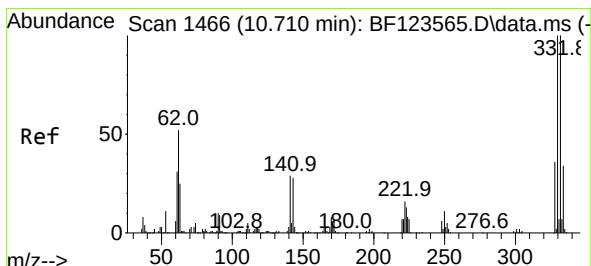
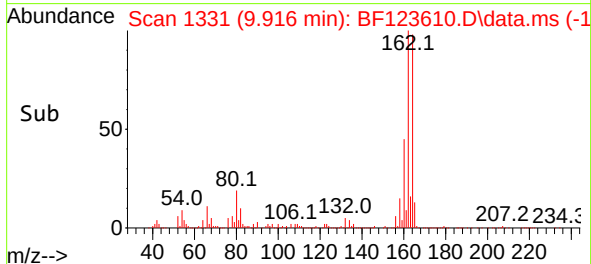
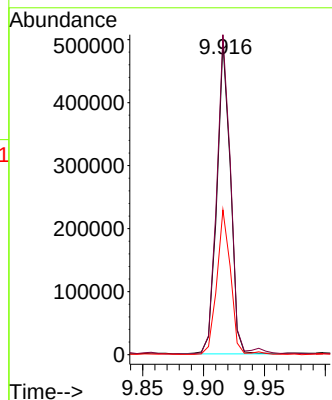
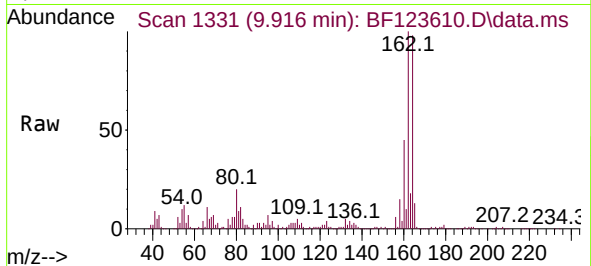




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

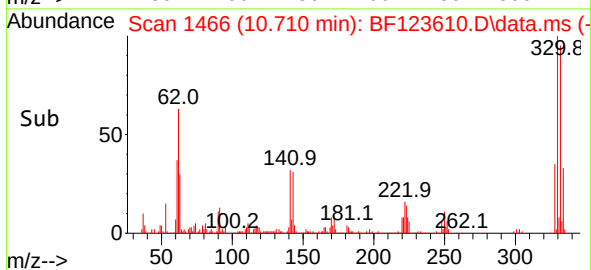
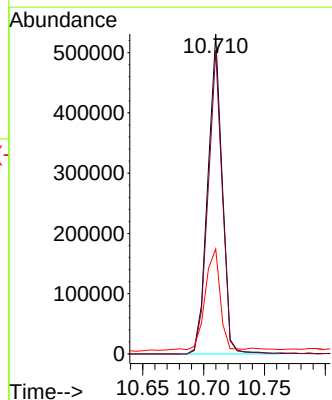
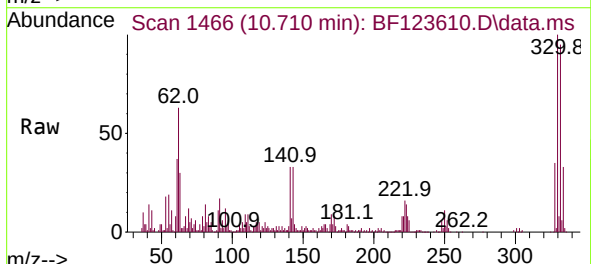
Instrument :
BNA_F
ClientSampleId :
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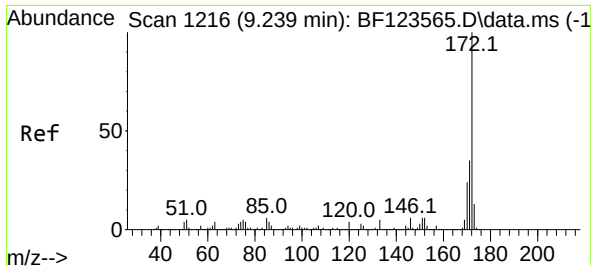
Tgt Ion:164 Resp: 380841
Ion Ratio Lower Upper
164 100
162 102.5 80.7 121.1
160 46.3 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 101.09 ng
RT: 10.710 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

Tgt Ion:330 Resp: 435984
Ion Ratio Lower Upper
330 100
332 93.5 77.1 115.7
141 35.4 27.9 41.9

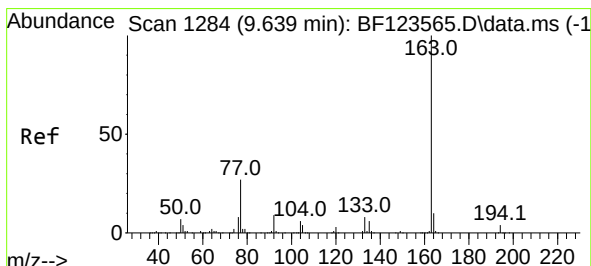
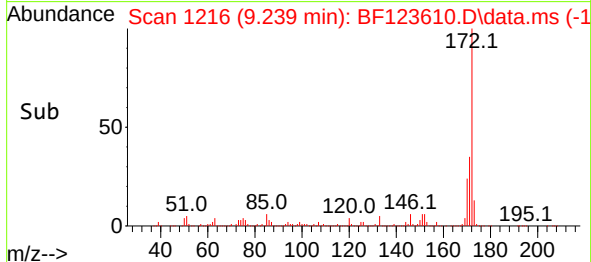
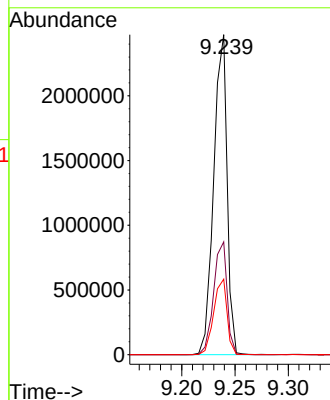
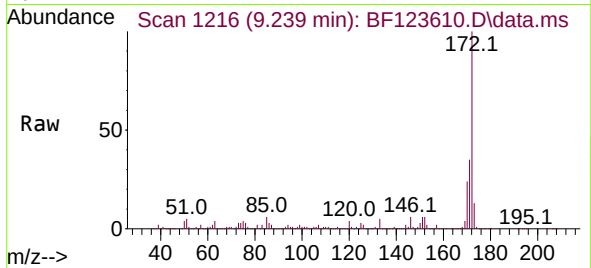




#45
2-Fluorobiphenyl
Concen: 84.94 ng
RT: 9.239 min Scan# 1216
Delta R.T. 0.000 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

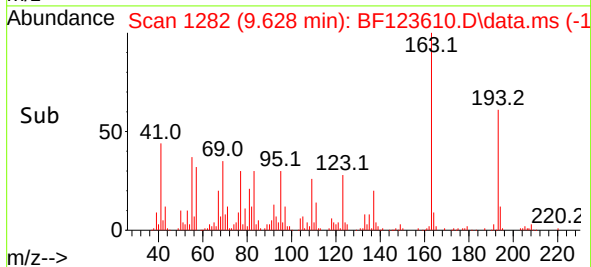
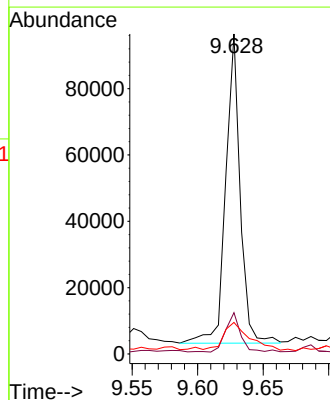
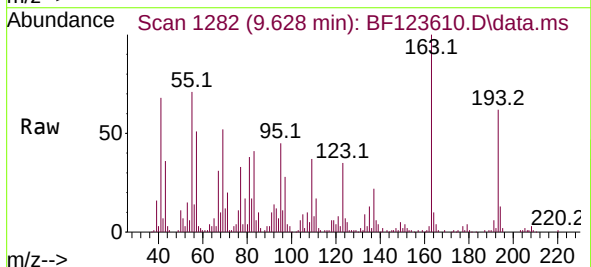
Instrument :
BNA_F
ClientSampleId :
FILL-A

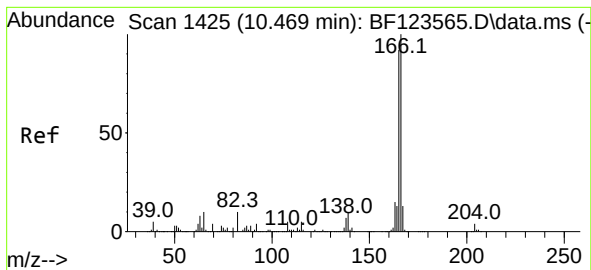
Tgt Ion:172 Resp: 2170035
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 23.6 19.2 28.8



#50
Dimethylphthalate
Concen: 2.72 ng
RT: 9.628 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

Tgt Ion:163 Resp: 71479
Ion Ratio Lower Upper
163 100
194 12.9 3.1 4.7#
164 9.9 8.2 12.2





#58

Fluorene

Concen: 2.19 ng

RT: 10.463 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF123610.D

Acq: 17 Apr 2021 1:04

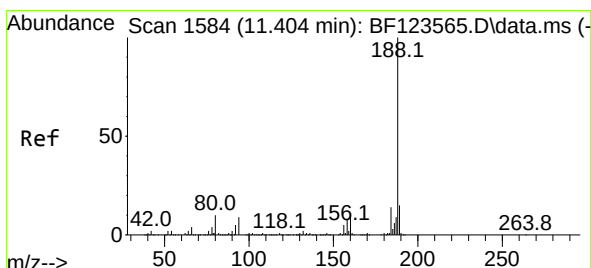
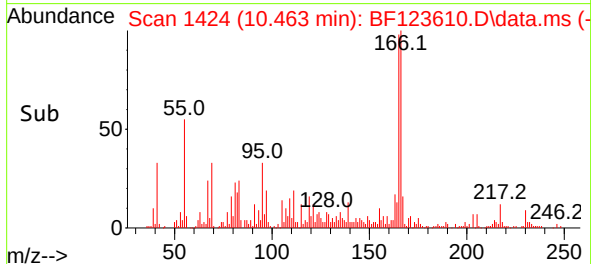
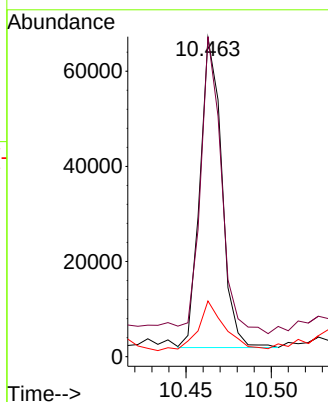
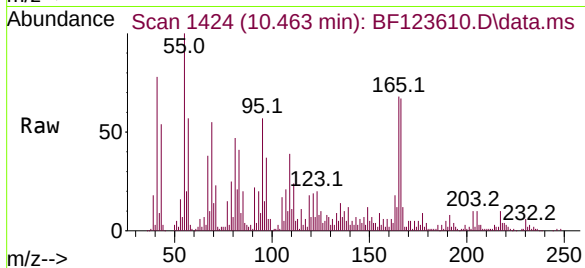
Instrument :

BNA_F

ClientSampleId :

FILL-A

Tgt Ion:166	Resp: 58034
Ion Ratio	Lower Upper
166	100
165	100.3 73.5 110.3
167	17.5 10.7 16.1#



#64

Phenanthrene-d10

Concen: 20.00 ng

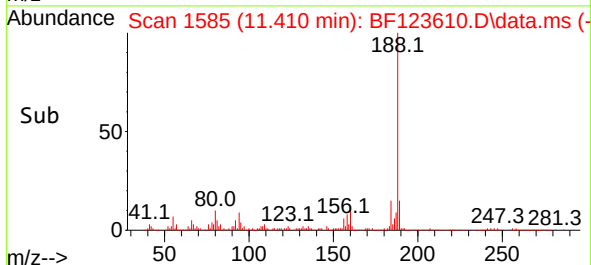
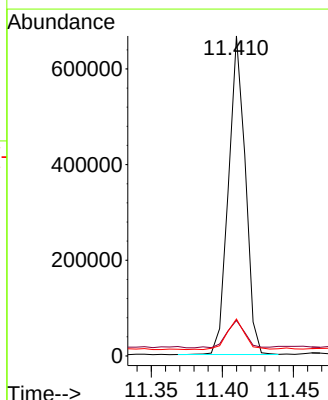
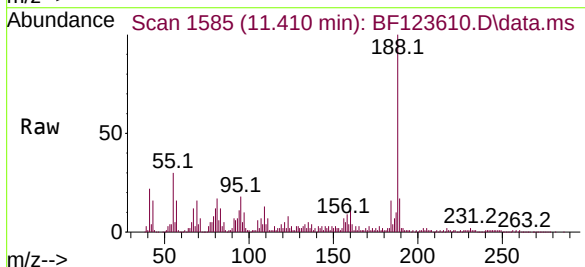
RT: 11.410 min Scan# 1585

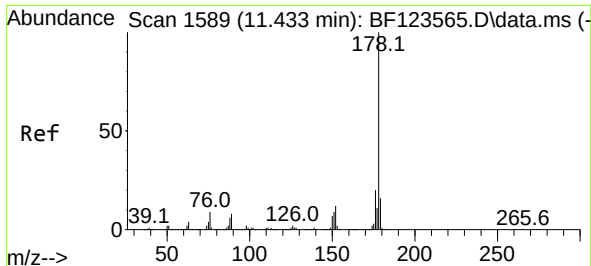
Delta R.T. 0.006 min

Lab File: BF123610.D

Acq: 17 Apr 2021 1:04

Tgt Ion:188	Resp: 548135
Ion Ratio	Lower Upper
188	100
94	11.1 6.9 10.3#
80	11.6 8.2 12.2

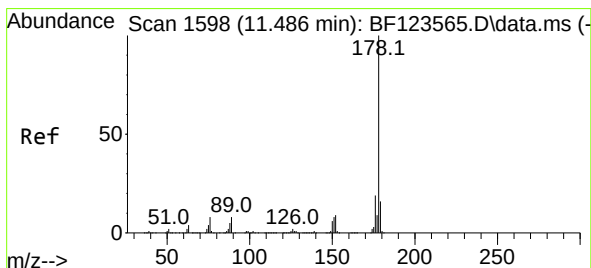
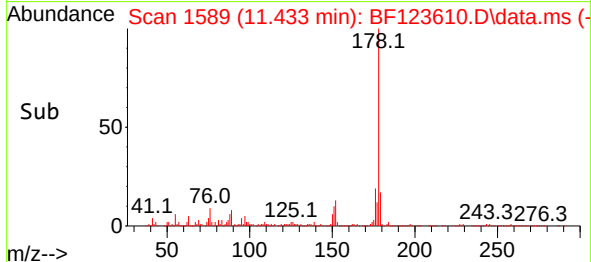
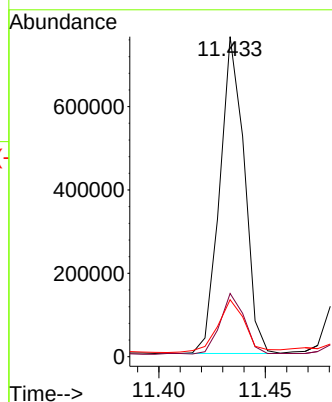
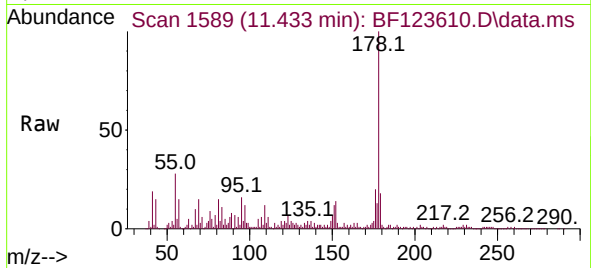




#71
Phenanthrene
Concen: 21.32 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

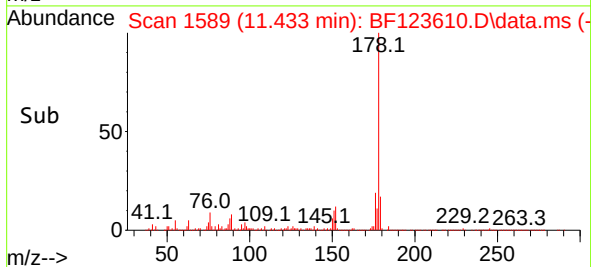
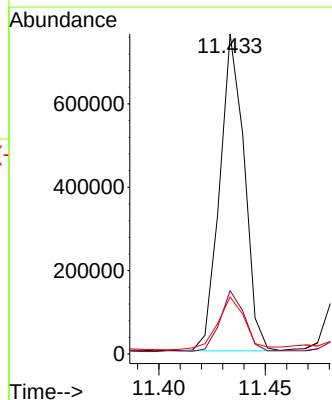
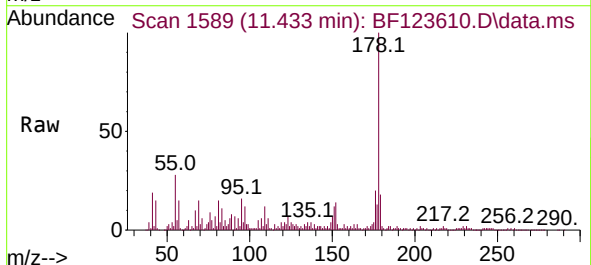
Instrument :
BNA_F
ClientSampleId :
FILL-A

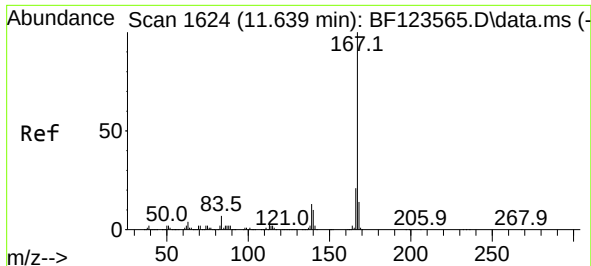
Tgt Ion:178 Resp: 609891
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 17.8 12.5 18.7



#72
Anthracene
Concen: 21.33 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.053 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

Tgt Ion:178 Resp: 609891
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.0
179 17.8 12.6 18.8

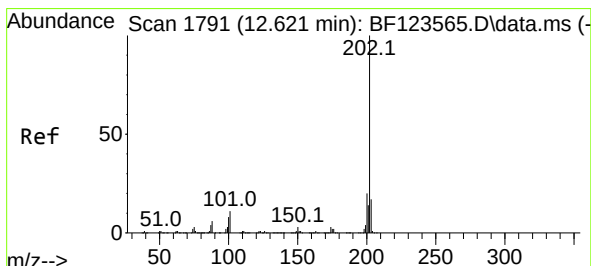
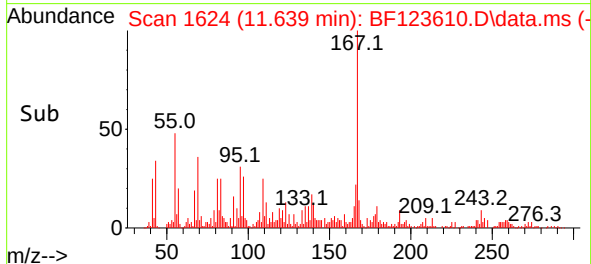
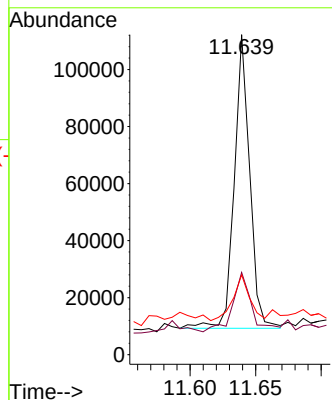
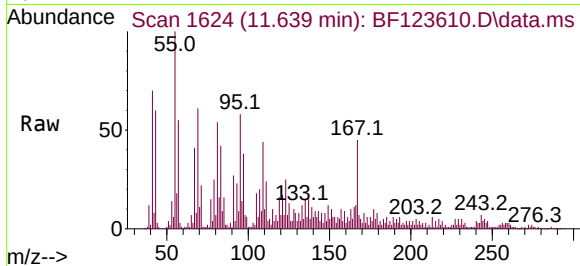




#73
 Carbazole
 Concen: 2.97 ng
 RT: 11.639 min Scan# 1624
 Delta R.T. 0.000 min
 Lab File: BF123610.D
 Acq: 17 Apr 2021 1:04

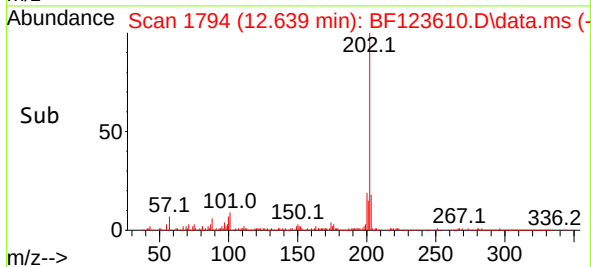
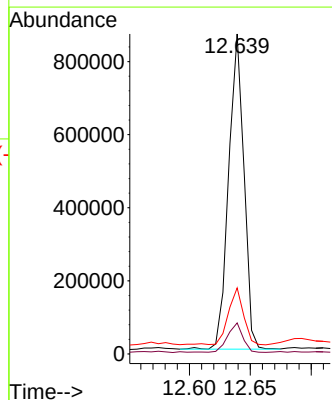
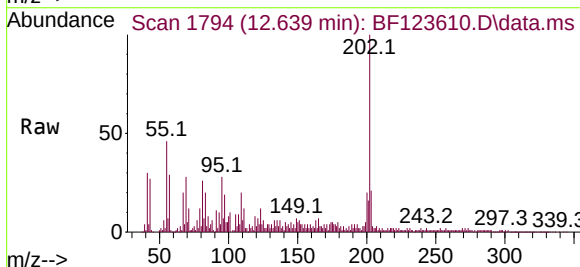
Instrument :
 BNA_F
 ClientSampleId :
 FILL-A

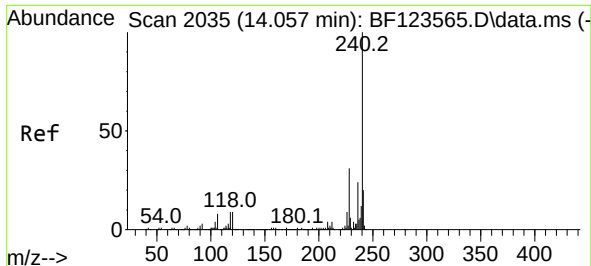
Tgt Ion:167 Resp: 84634
 Ion Ratio Lower Upper
 167 100
 166 25.7 17.0 25.6#
 139 25.0 10.4 15.6#



#75
 Fluoranthene
 Concen: 23.98 ng
 RT: 12.639 min Scan# 1794
 Delta R.T. 0.012 min
 Lab File: BF123610.D
 Acq: 17 Apr 2021 1:04

Tgt Ion:202 Resp: 753759
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 30.9
 203 20.7 0.0 37.5

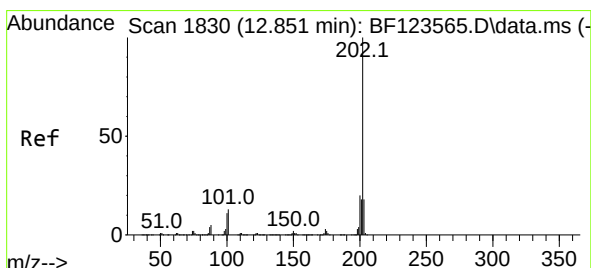
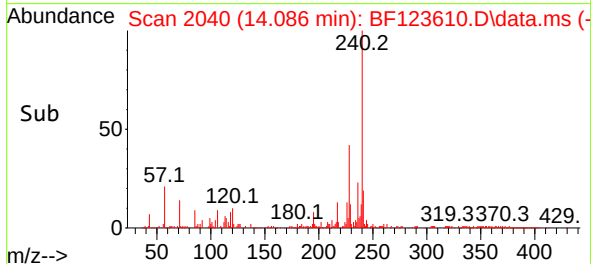
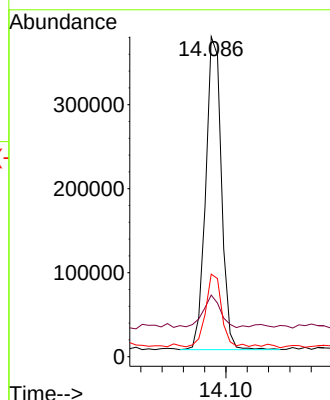
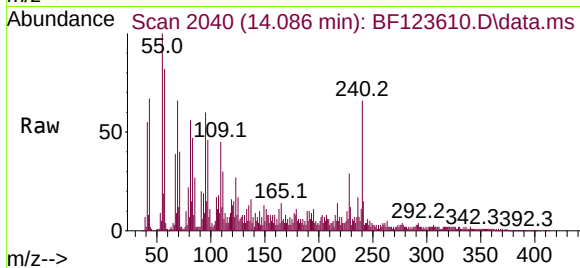




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.086 min Scan# 2040
Delta R.T. 0.030 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

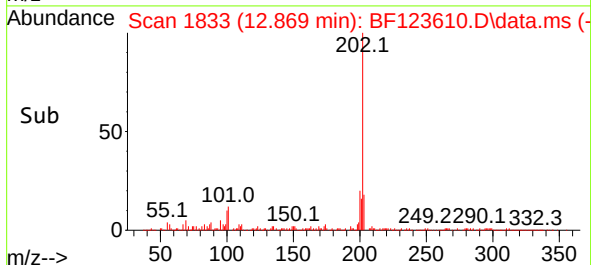
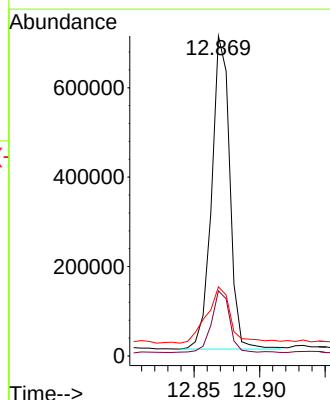
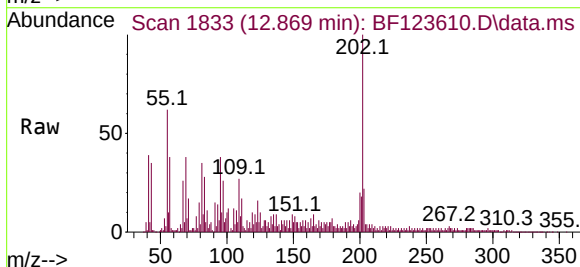
Instrument :
BNA_F
ClientSampleId :
FILL-A

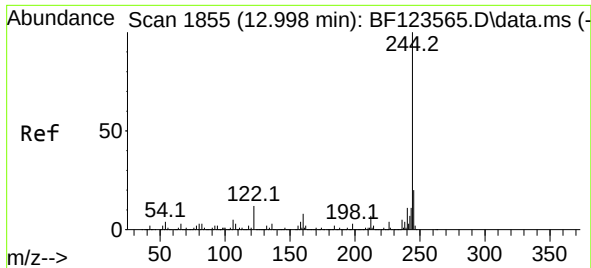
Tgt Ion:240 Resp: 382534
Ion Ratio Lower Upper
240 100
120 19.2 7.2 10.8#
236 25.8 19.0 28.4



#78
Pyrene
Concen: 24.12 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.012 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

Tgt Ion:202 Resp: 673412
Ion Ratio Lower Upper
202 100
200 20.4 16.1 24.1
203 21.6 14.8 22.2

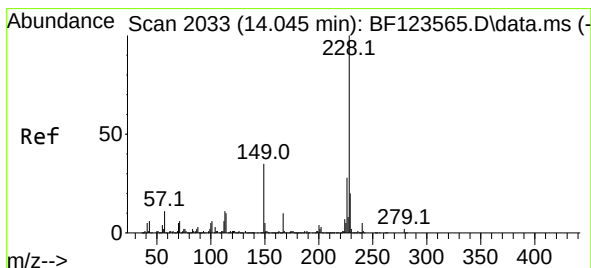
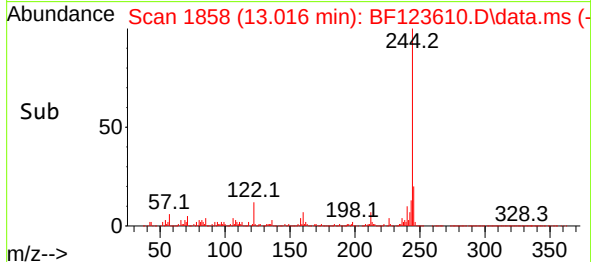
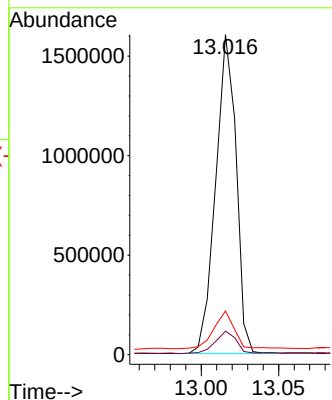
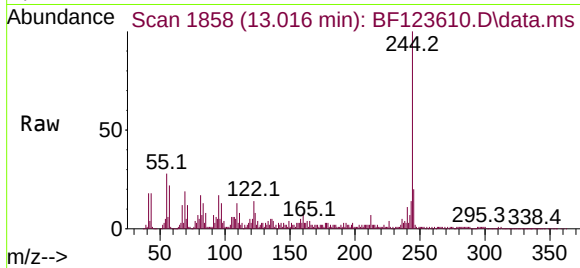




#79
Terphenyl-d14
Concen: 74.70 ng
RT: 13.016 min Scan# 1858
Delta R.T. 0.018 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

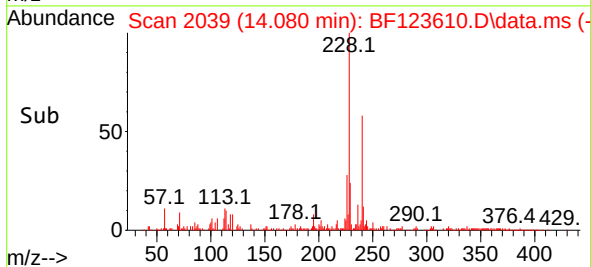
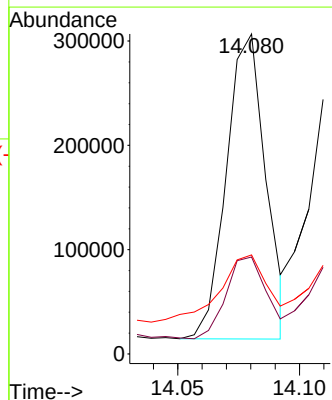
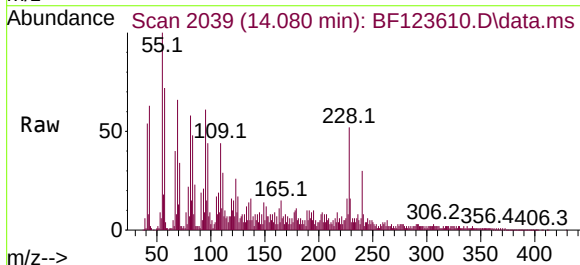
Instrument :
BNA_F
ClientSampleId :
FILL-A

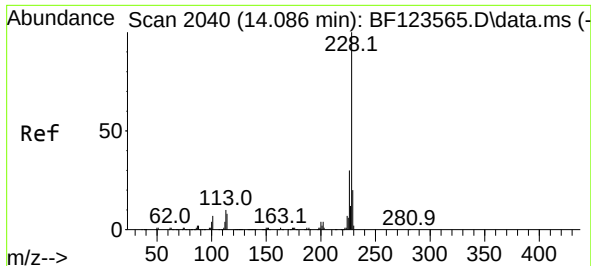
Tgt Ion:244 Resp: 1470241
Ion Ratio Lower Upper
244 100
212 7.4 5.7 8.5
122 13.6 9.7 14.5



#81
Benzo(a)anthracene
Concen: 14.03 ng
RT: 14.080 min Scan# 2039
Delta R.T. 0.035 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

Tgt Ion:228 Resp: 328860
Ion Ratio Lower Upper
228 100
226 30.3 22.4 33.6
229 30.9 16.0 24.0#

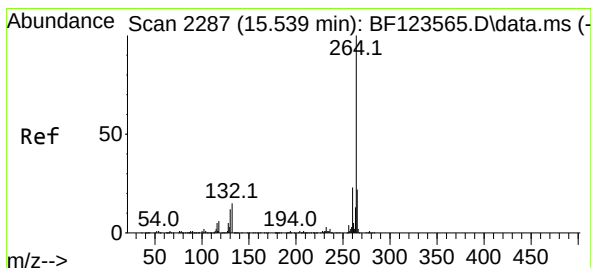
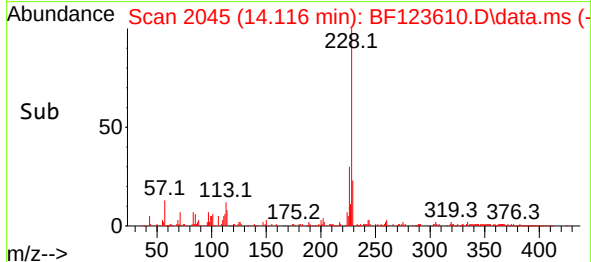
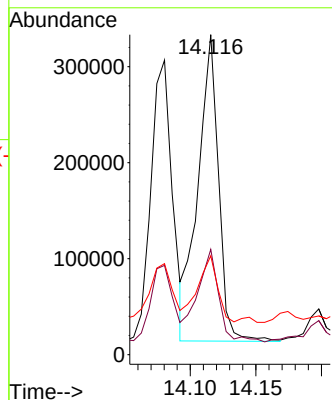
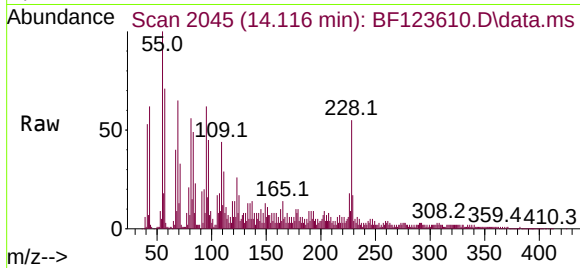




#83
Chrysene
Concen: 14.87 ng
RT: 14.116 min Scan# 2045
Delta R.T. 0.030 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

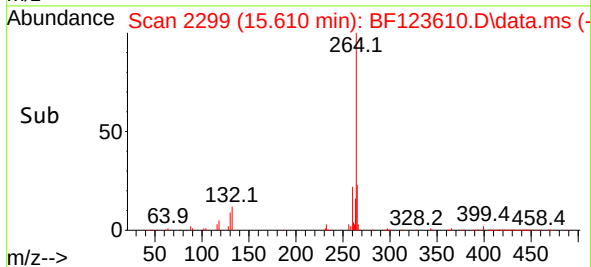
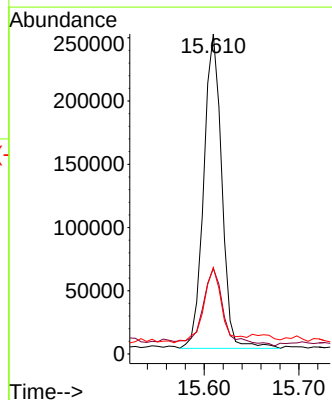
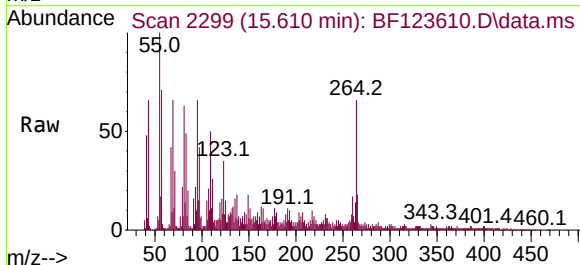
Instrument :
BNA_F
ClientSampleId :
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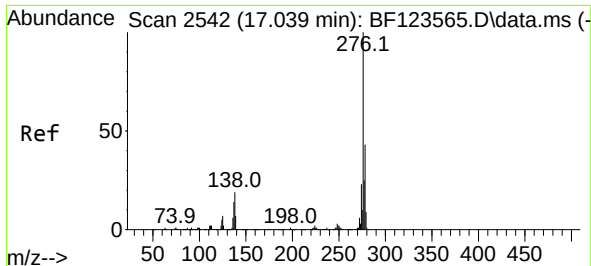
Tgt Ion:228 Resp: 350122
Ion Ratio Lower Upper
228 100
226 32.9 24.3 36.5
229 30.9 16.2 24.2#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.610 min Scan# 2299
Delta R.T. 0.071 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

Tgt Ion:264 Resp: 330163
Ion Ratio Lower Upper
264 100
260 26.7 18.7 28.1
265 27.0 17.8 26.8#

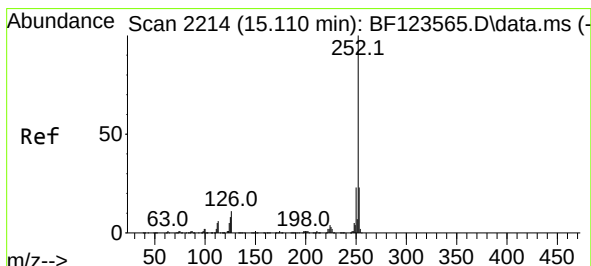
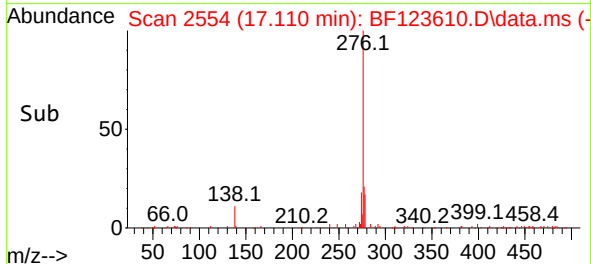
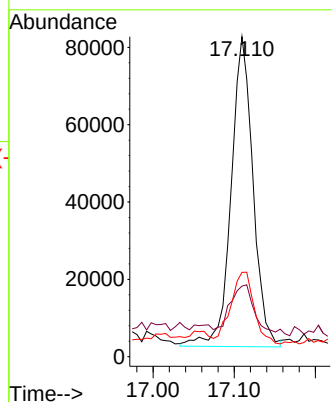
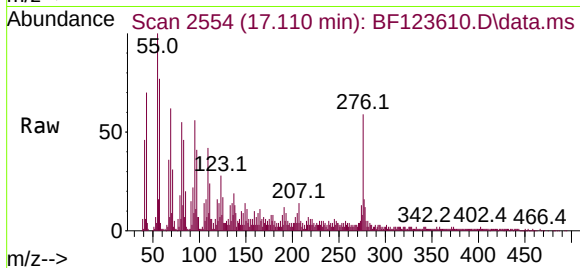




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.53 ng
RT: 17.110 min Scan# 2554
Delta R.T. 0.071 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

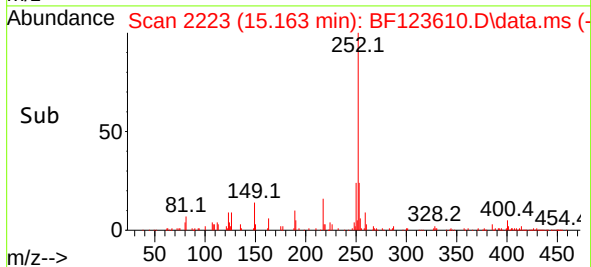
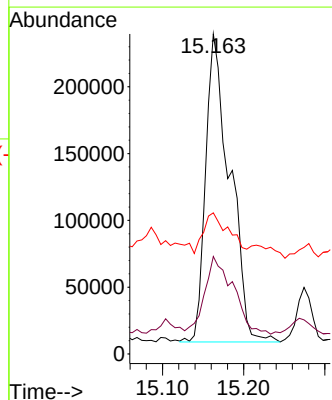
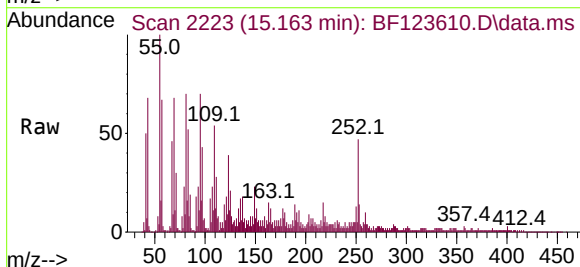
Instrument :
BNA_F
ClientSampleId :
FILL-A

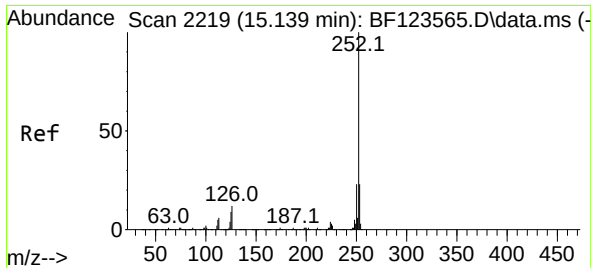
Tgt Ion:276 Resp: 150234
Ion Ratio Lower Upper
276 100
138 19.2 16.2 24.2
277 24.7 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 20.47 ng
RT: 15.163 min Scan# 2223
Delta R.T. 0.053 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

Tgt Ion:252 Resp: 477066
Ion Ratio Lower Upper
252 100
253 30.5 18.1 27.1#
125 44.1 6.2 9.4#

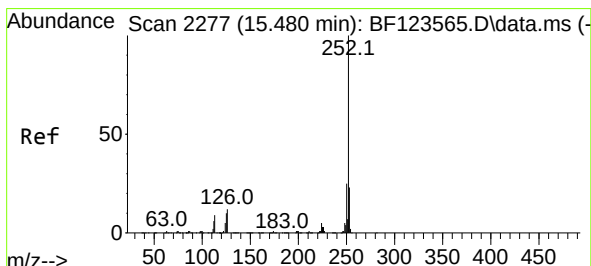
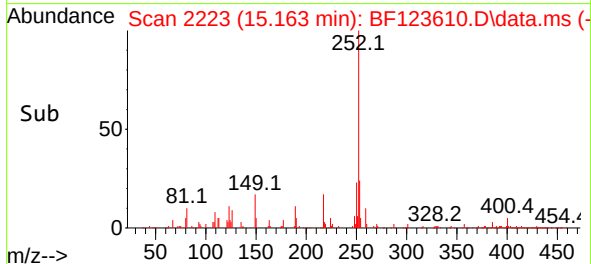
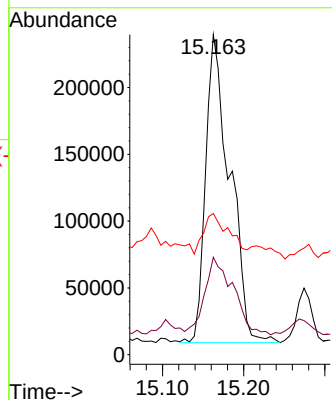
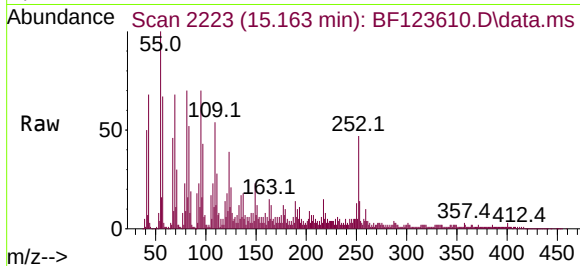




#89
Benzo(k)fluoranthene
Concen: 22.04 ng
RT: 15.163 min Scan# 2223
Delta R.T. 0.024 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

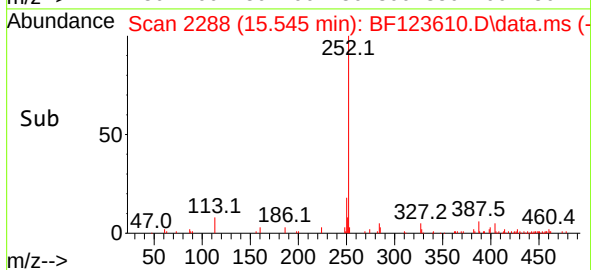
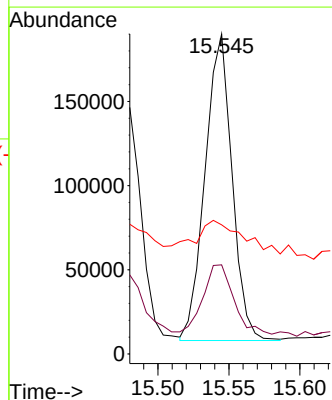
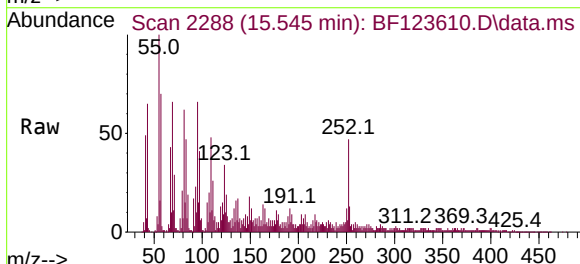
Instrument :
BNA_F
ClientSampleId :
FILL-A

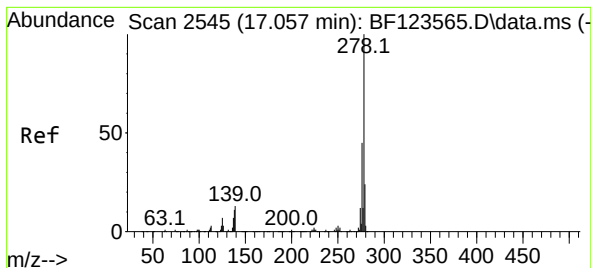
Tgt Ion:252 Resp: 477066
Ion Ratio Lower Upper
252 100
253 30.5 17.9 26.9#
125 44.1 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 12.96 ng
RT: 15.545 min Scan# 2288
Delta R.T. 0.065 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

Tgt Ion:252 Resp: 240306
Ion Ratio Lower Upper
252 100
253 27.8 18.4 27.6#
125 40.4 8.0 12.0#

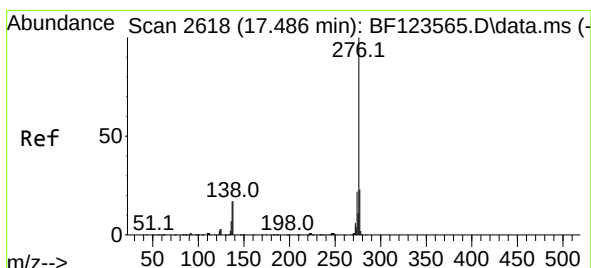
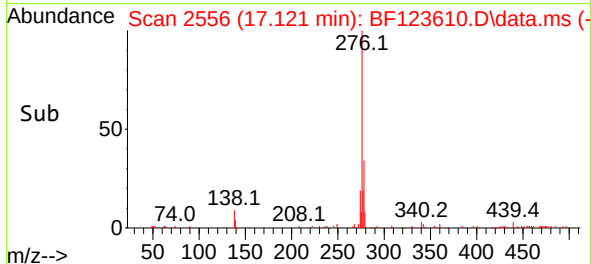
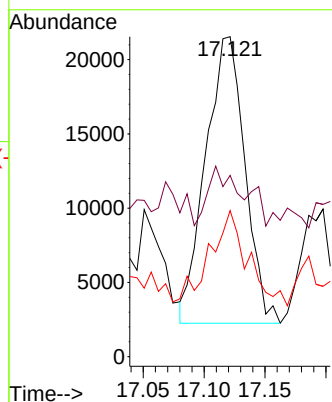
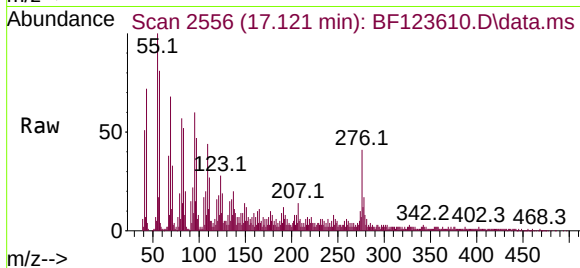




#91
Dibenzo(a,h)anthracene
Concen: 2.90 ng
RT: 17.121 min Scan# 2556
Delta R.T. 0.065 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

Instrument :
BNA_F
ClientSampleId :
FILL-A

Tgt Ion:278 Resp: 43235
Ion Ratio Lower Upper
278 100
139 56.7 10.2 15.2#
279 45.6 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 11.95 ng
RT: 17.562 min Scan# 2631
Delta R.T. 0.077 min
Lab File: BF123610.D
Acq: 17 Apr 2021 1:04

Tgt Ion:276 Resp: 144866
Ion Ratio Lower Upper
276 100
277 26.3 18.2 27.2
138 21.0 13.8 20.6#

