

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
 Data File : BF123998.D
 Acq On : 19 May 2021 19:30
 Operator : JU/CG
 Sample : M2437-05 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: May 20 02:26:46 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

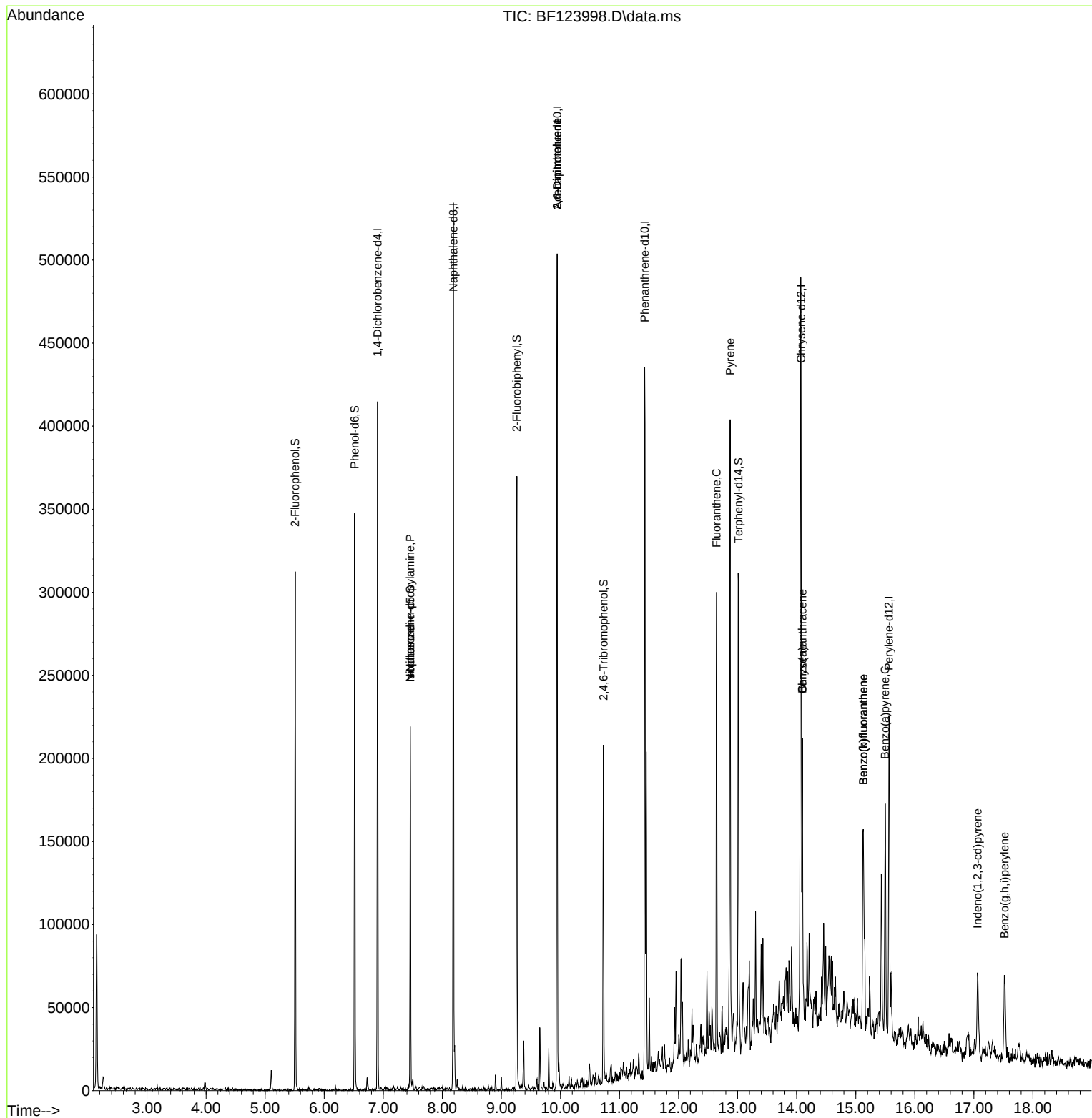
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	45088	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	175570	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	92610	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	145859	20.00	ng	# 0.00
76) Chrysene-d12	14.074	240	104787	20.00	ng	0.00
86) Perylene-d12	15.562	264	75656	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	60603	18.87	ng	0.00
7) Phenol-d6	6.516	99	76884	18.46	ng	0.00
23) Nitrobenzene-d5	7.457	82	57131	14.02	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	19141	17.21	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	102158	13.57	ng	0.00
79) Terphenyl-d14	13.016	244	79237	11.45	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	8614	3.06	ng	# 79
25) Isophorone	7.457	82	57130	7.29	ng	# 69
51) 2,6-Dinitrotoluene	9.945	165	12440	8.32	ng	# 11
57) 2,4-Dinitrotoluene	9.945	165	12440	6.78	ng	# 17
75) Fluoranthene	12.645	202	94889	9.91	ng	97
78) Pyrene	12.874	202	136704	14.69	ng	98
81) Benzo(a)anthracene	14.098	228	63347	8.36	ng	95
83) Chrysene	14.098	228	63347	8.69	ng	97
87) Indeno(1,2,3-cd)pyrene	17.062	276	28673	4.91	ng	94
88) Benzo(b)fluoranthene	15.127	252	81604	13.94	ng	# 93
89) Benzo(k)fluoranthene	15.127	252	81604	15.30	ng	# 93
90) Benzo(a)pyrene	15.498	252	57884	11.44	ng	97
92) Benzo(g,h,i)perylene	17.521	276	36733	7.44	ng	# 88

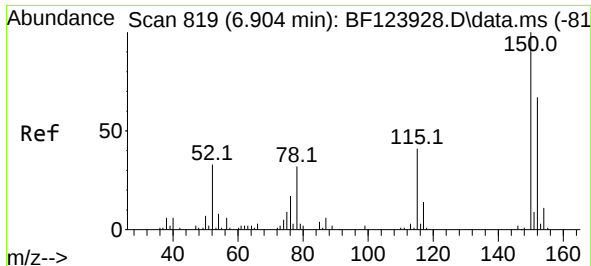
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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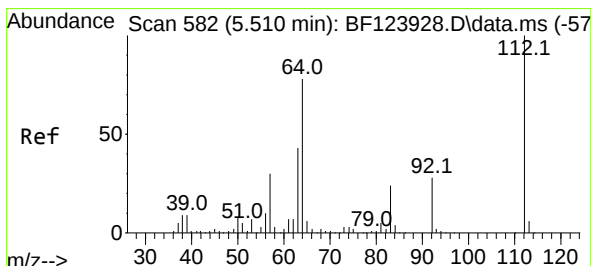
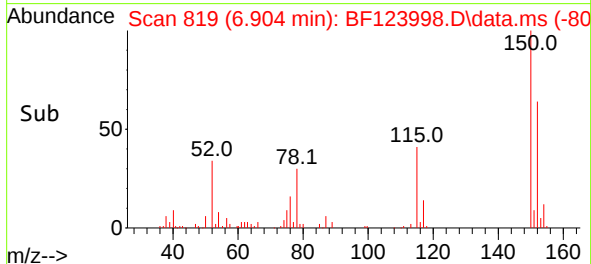
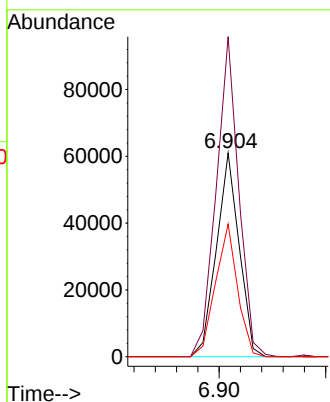
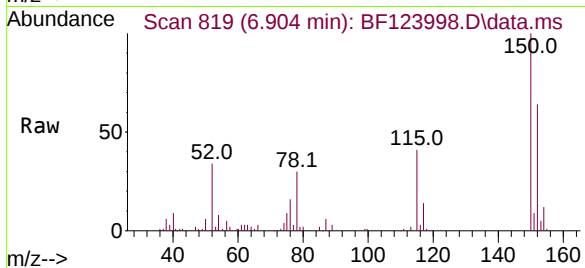




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

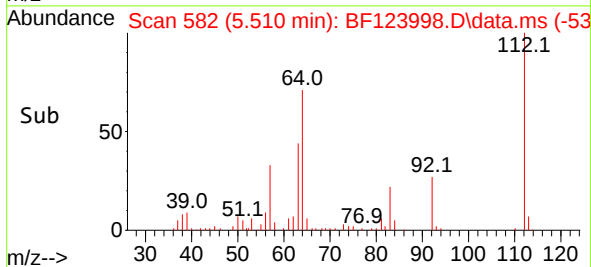
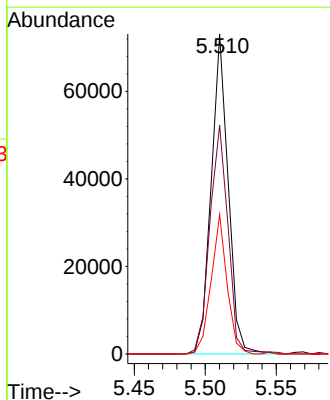
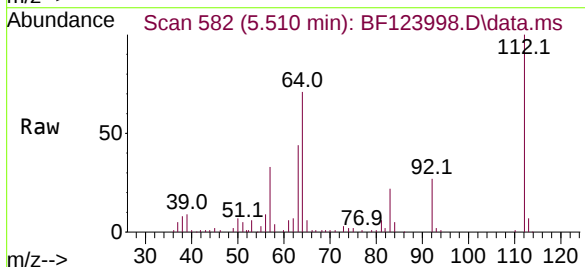
Instrument :
BNA_F
ClientSampleId :
TP-2

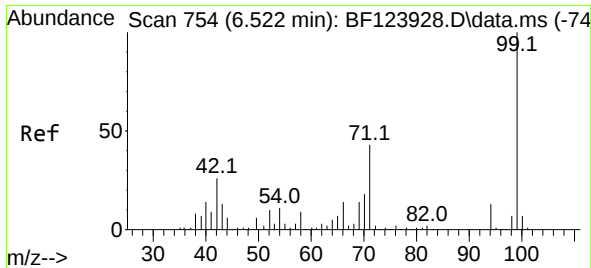
Tgt Ion:152 Resp: 45088
Ion Ratio Lower Upper
152 100
150 157.1 127.0 190.6
115 65.1 54.3 81.5



#5
2-Fluorophenol
Concen: 18.87 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.000 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

Tgt Ion:112 Resp: 60603
Ion Ratio Lower Upper
112 100
64 71.5 61.4 92.0
63 43.5 33.0 49.4

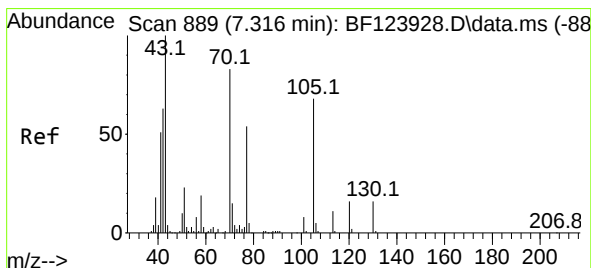
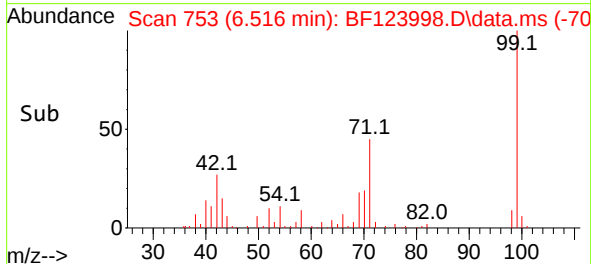
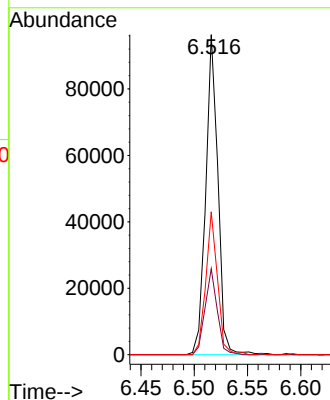
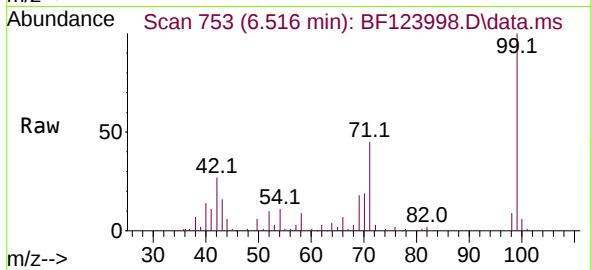




#7
Phenol-d6
Concen: 18.46 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

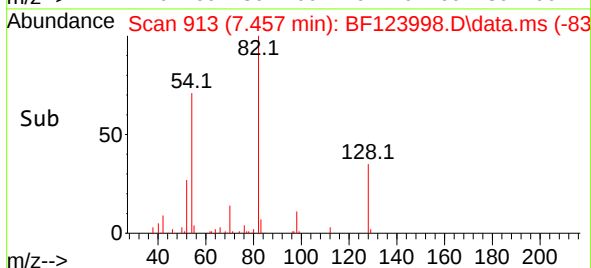
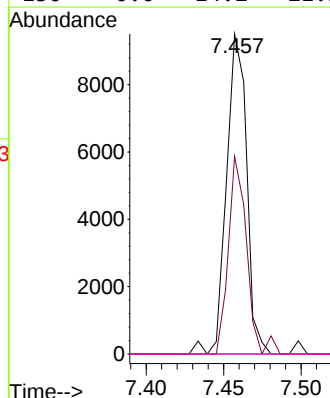
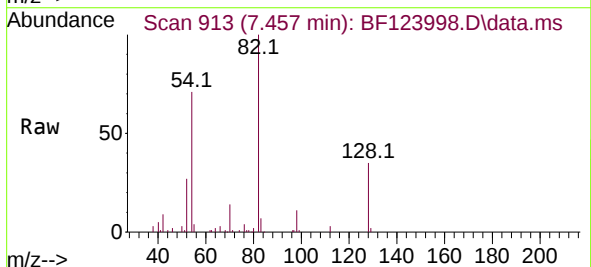
Instrument :
BNA_F
ClientSampled :
TP-2

Tgt Ion: 99 Resp: 76884
Ion Ratio Lower Upper
99 100
42 26.9 19.8 29.8
71 44.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 3.06 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.141 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

Tgt Ion: 70 Resp: 8614
Ion Ratio Lower Upper
70 100
42 61.8 60.1 90.1
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#

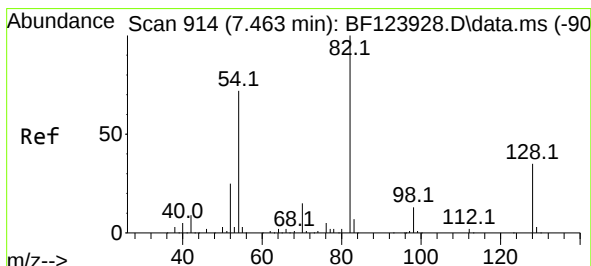
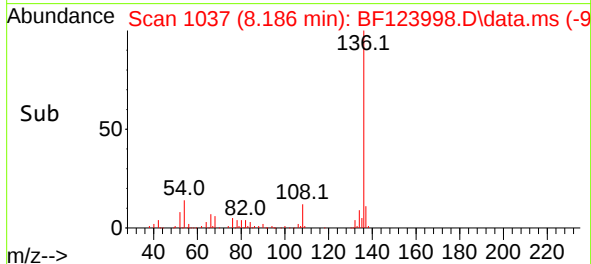
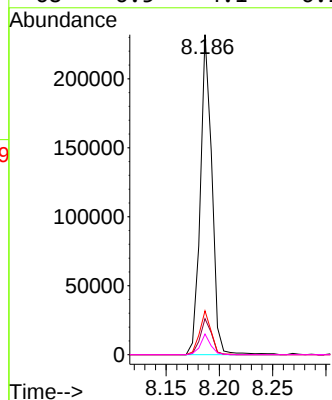
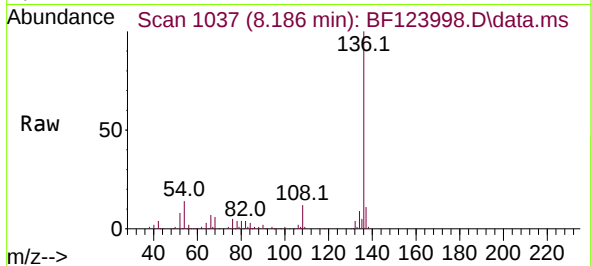




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

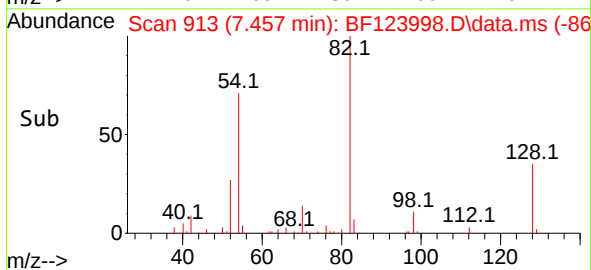
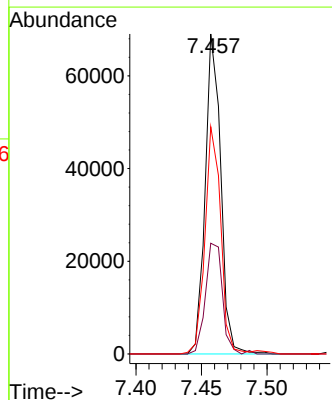
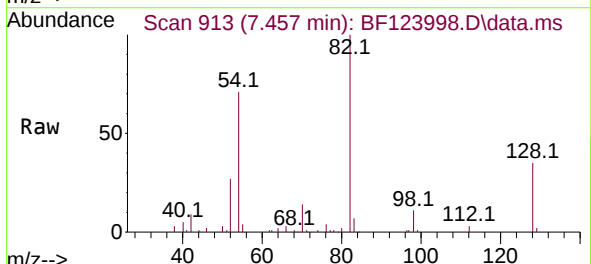
Instrument :
BNA_F
ClientSampled :
TP-2

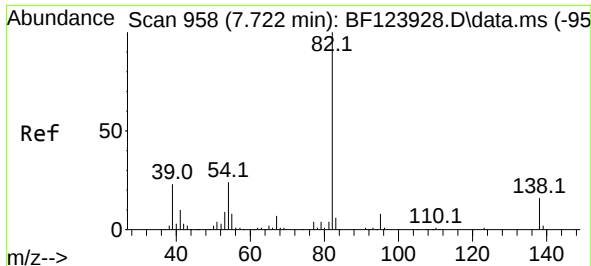
Tgt Ion:	136	Resp:	175570
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	13.7	9.8	14.6
68	6.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 14.02 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

Tgt Ion:	82	Resp:	57131
Ion	Ratio	Lower	Upper
82	100		
128	34.6	29.4	44.2
54	71.0	54.1	81.1

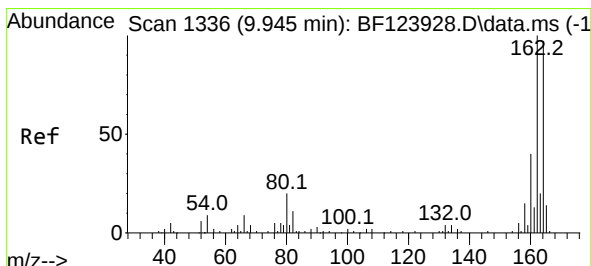
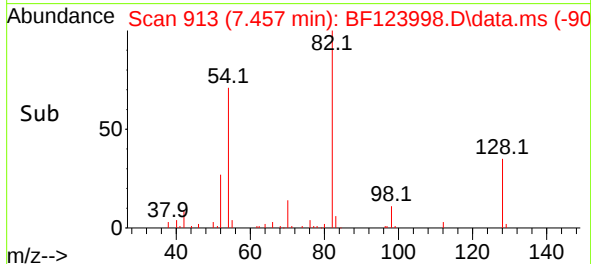
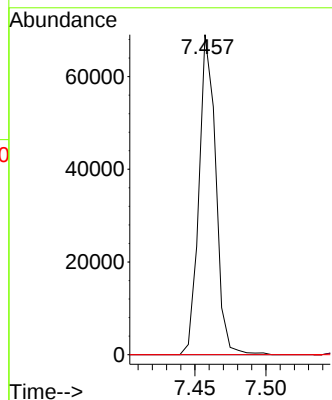
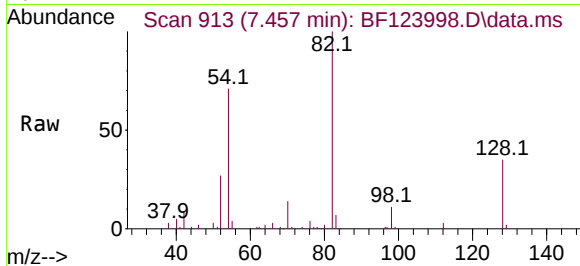




#25
Isophorone
Concen: 7.29 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.265 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

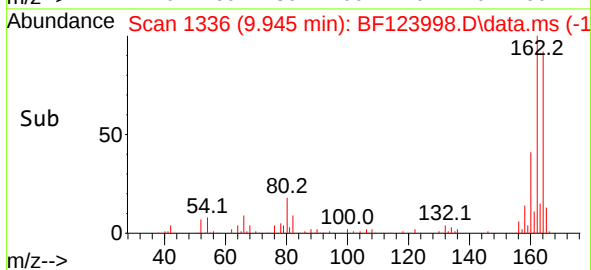
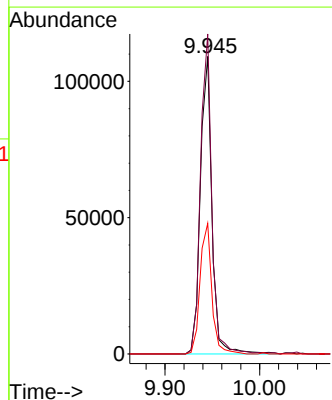
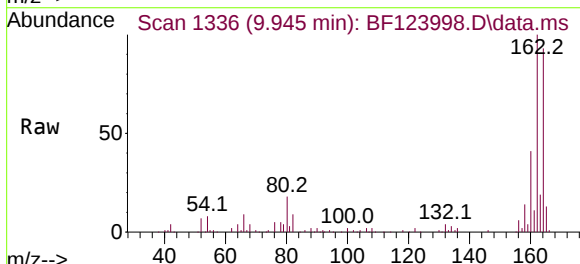
Instrument :
BNA_F
ClientSampleId :
TP-2

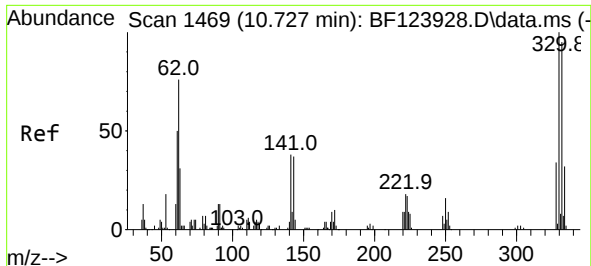
Tgt Ion: 82 Resp: 57130
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

Tgt Ion:164 Resp: 92610
Ion Ratio Lower Upper
164 100
162 107.6 80.7 121.1
160 43.9 37.3 55.9

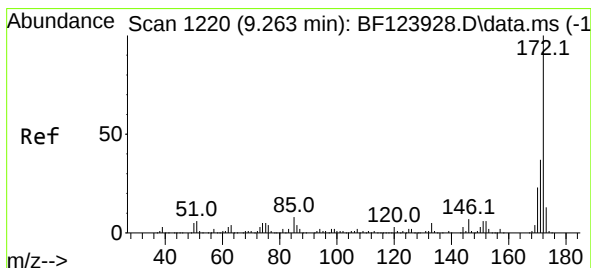
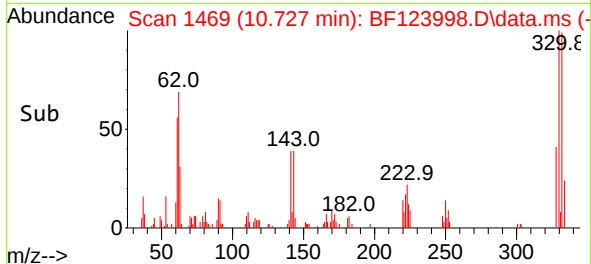
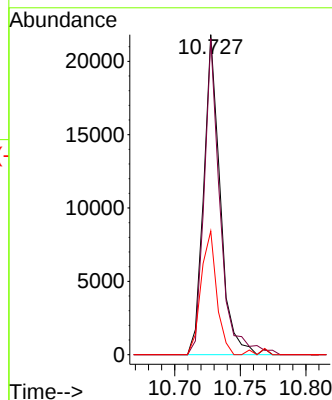
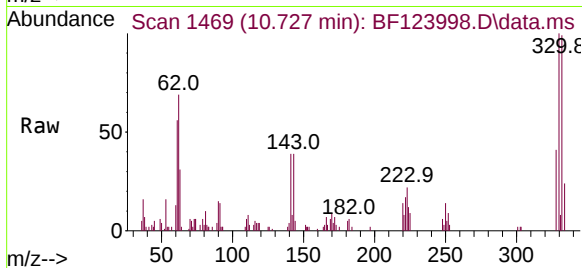




#42
2,4,6-Tribromophenol
Concen: 17.21 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

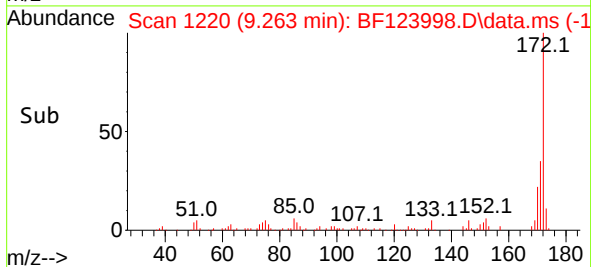
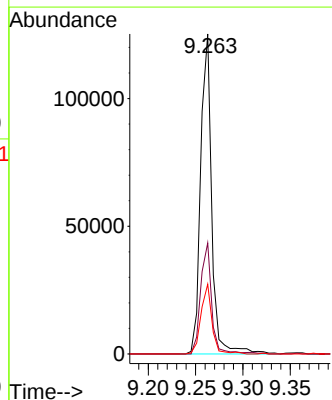
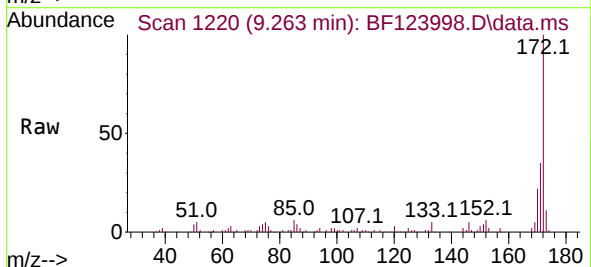
Instrument :
BNA_F
ClientSampleId :
TP-2

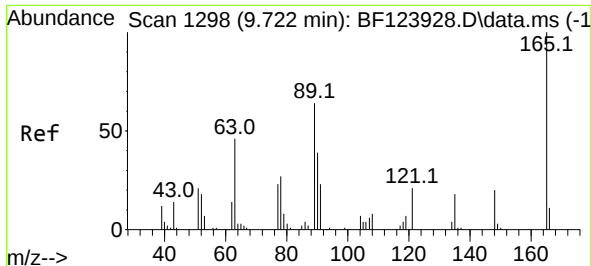
Tgt Ion: 330 Resp: 19141
Ion Ratio Lower Upper
330 100
332 95.5 77.1 115.7
141 36.4 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 13.57 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

Tgt Ion: 172 Resp: 102158
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 21.8 19.2 28.8

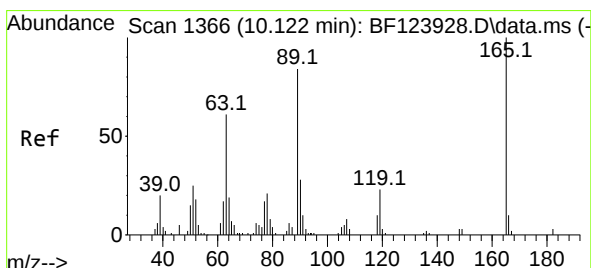
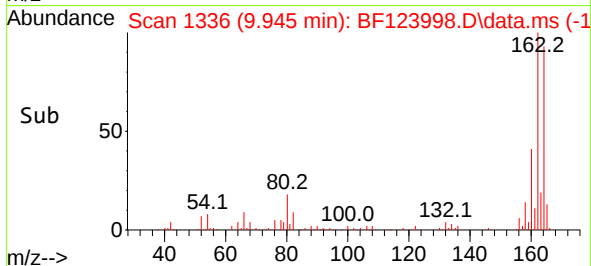
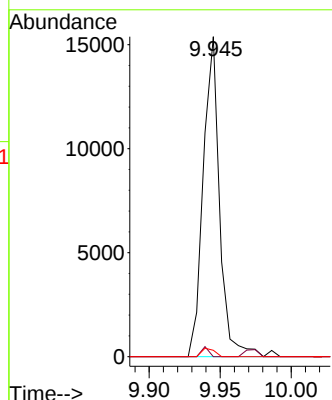
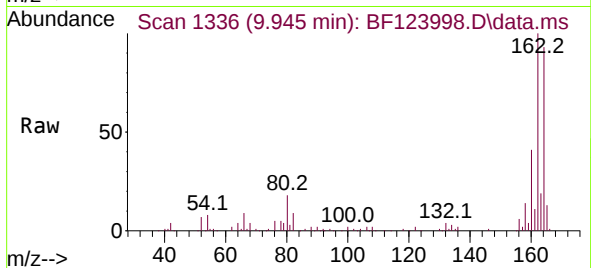




#51
2,6-Dinitrotoluene
Concen: 8.32 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.224 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

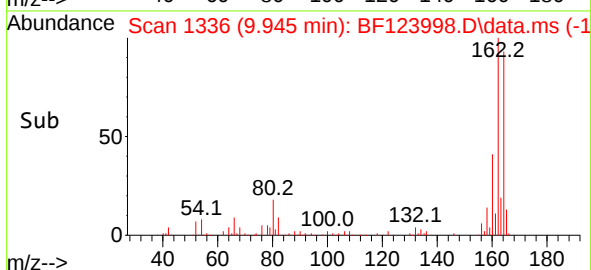
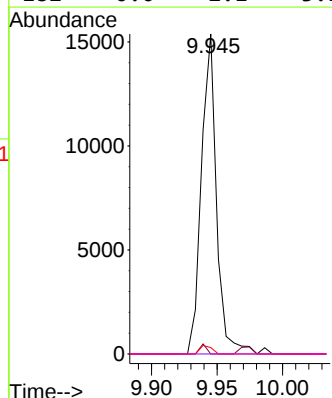
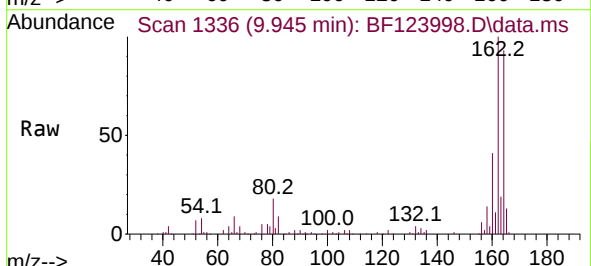
Instrument :
BNA_F
ClientSampled :
TP-2

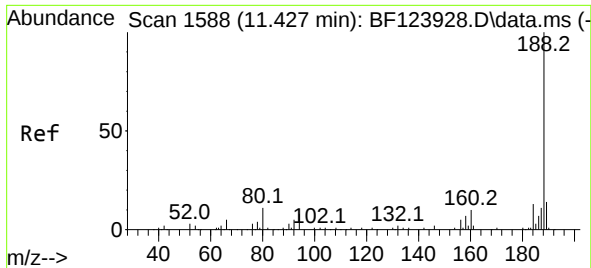
Tgt Ion:165 Resp: 12440
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 2.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.78 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.176 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

Tgt Ion:165 Resp: 12440
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 2.0 67.7 101.5#
182 0.0 2.1 3.1#

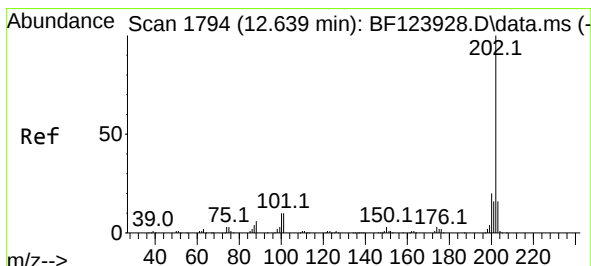
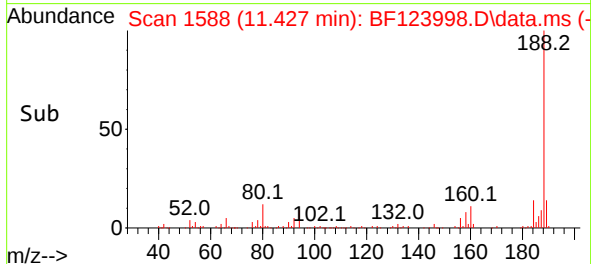
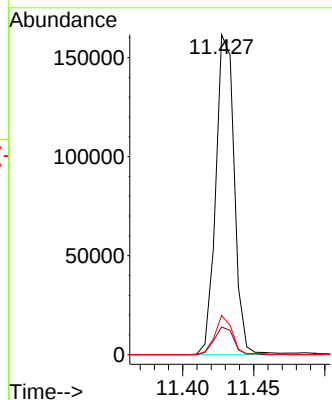
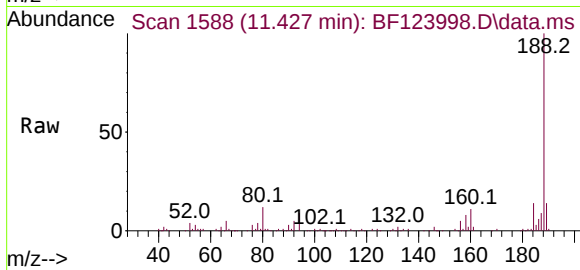




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

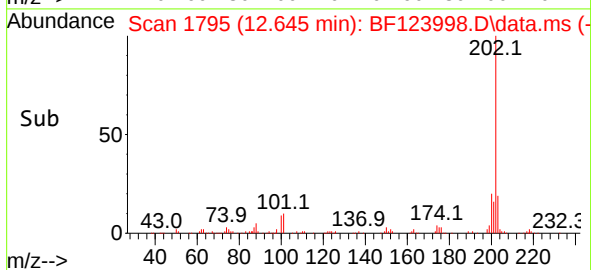
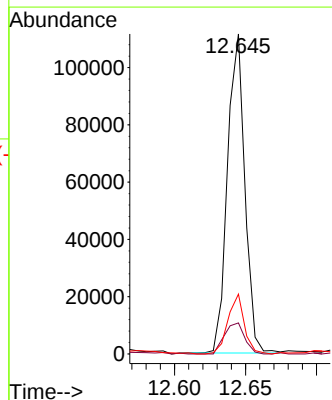
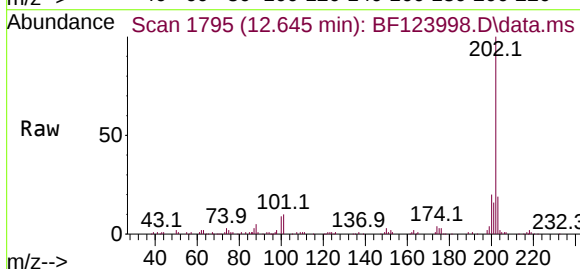
Instrument :
BNA_F
ClientSampled :
TP-2

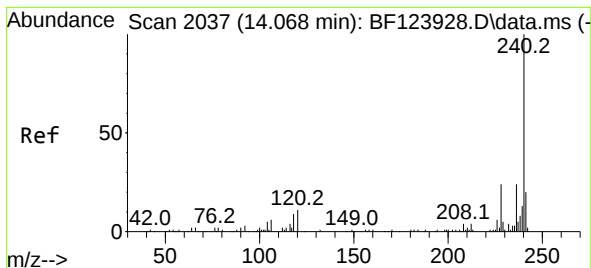
Tgt Ion:188 Resp: 145859
Ion Ratio Lower Upper
188 100
94 8.7 6.9 10.3
80 12.3 8.2 12.2#



#75
Fluoranthene
Concen: 9.91 ng
RT: 12.645 min Scan# 1795
Delta R.T. 0.006 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

Tgt Ion:202 Resp: 94889
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.9
203 18.7 0.0 37.5

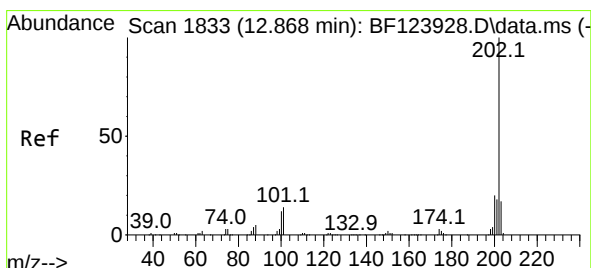
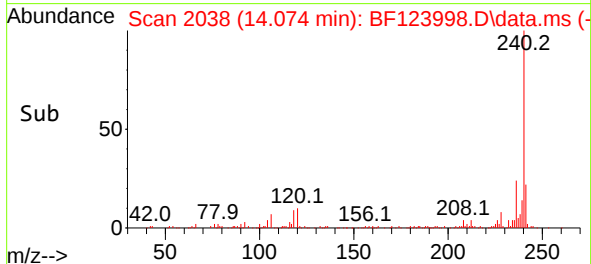
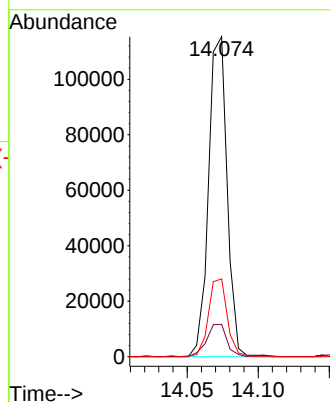
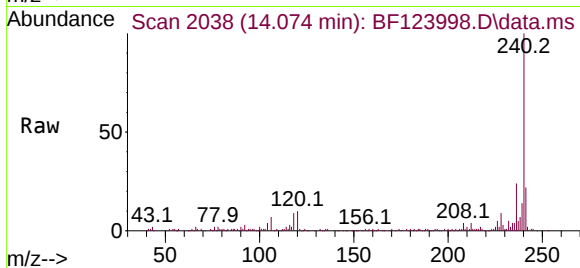




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

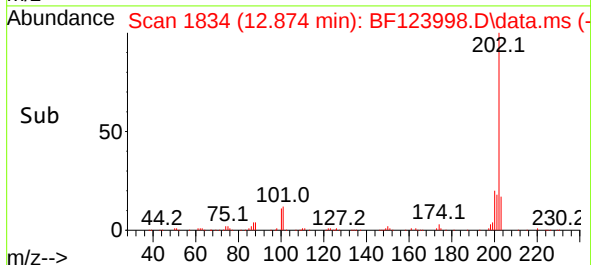
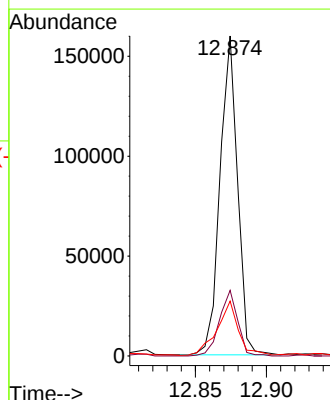
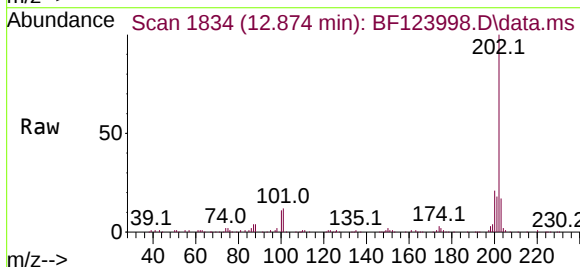
Instrument :
BNA_F
ClientSampled :
TP-2

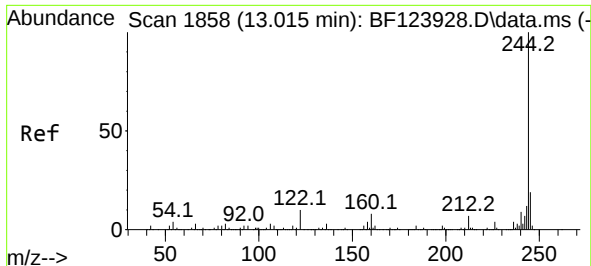
Tgt Ion:240 Resp: 104787
Ion Ratio Lower Upper
240 100
120 10.1 7.2 10.8
236 24.3 19.0 28.4



#78
Pyrene
Concen: 14.69 ng
RT: 12.874 min Scan# 1834
Delta R.T. 0.006 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

Tgt Ion:202 Resp: 136704
Ion Ratio Lower Upper
202 100
200 20.5 16.1 24.1
203 17.2 14.8 22.2

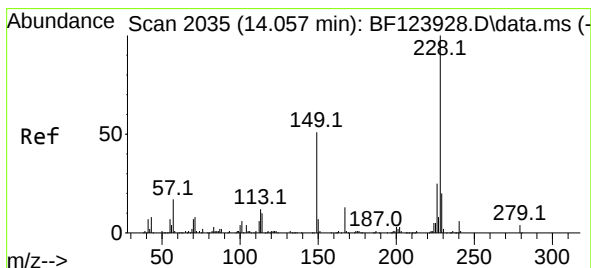
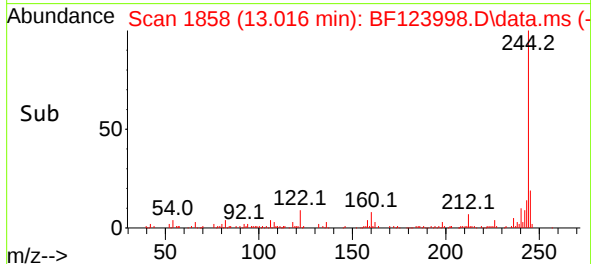
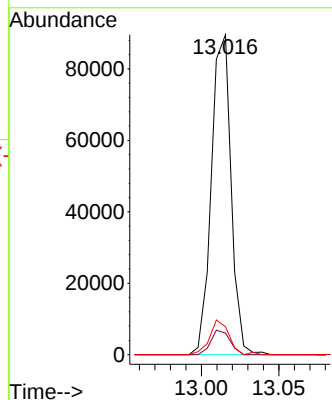
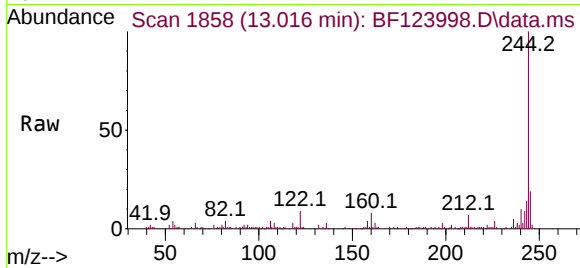




#79
 Terphenyl-d14
 Concen: 11.45 ng
 RT: 13.016 min Scan# 1858
 Delta R.T. 0.000 min
 Lab File: BF123998.D
 Acq: 19 May 2021 19:30

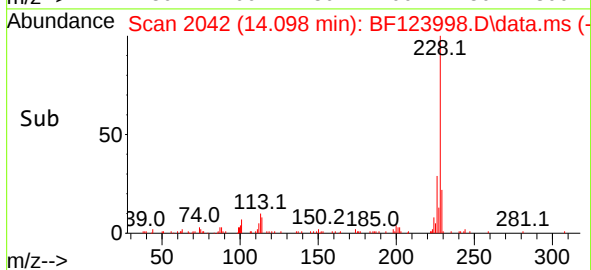
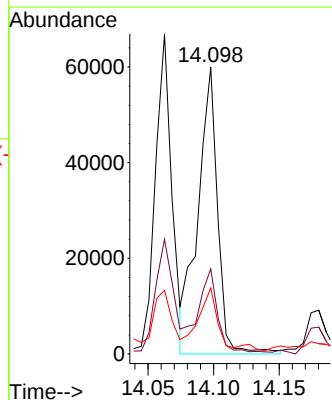
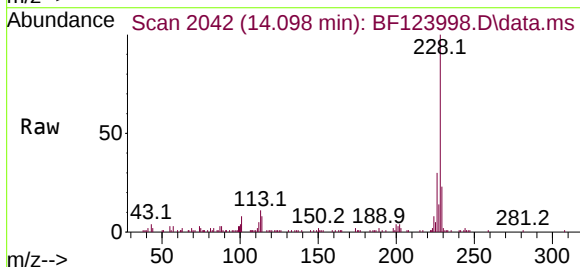
Instrument :
 BNA_F
 ClientSampled :
 TP-2

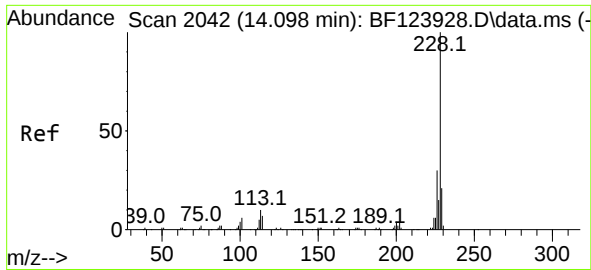
Tgt Ion:244 Resp: 79237
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 8.7 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 8.36 ng
 RT: 14.098 min Scan# 2042
 Delta R.T. 0.041 min
 Lab File: BF123998.D
 Acq: 19 May 2021 19:30

Tgt Ion:228 Resp: 63347
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.4 33.6
 229 23.0 16.0 24.0

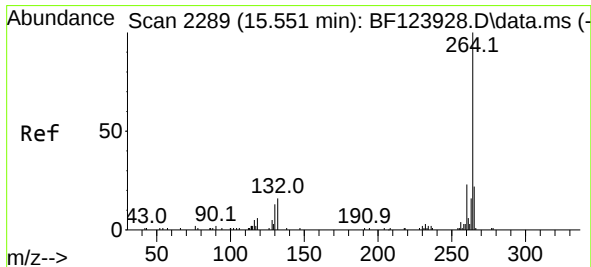
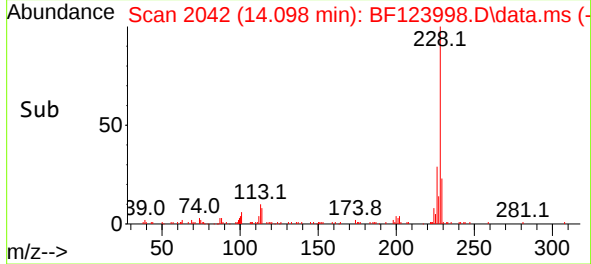
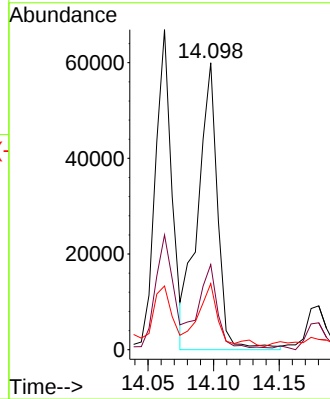
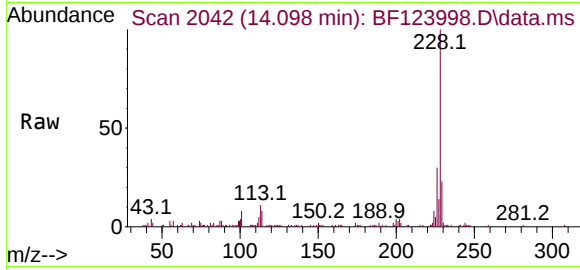




#83
Chrysene
Concen: 8.69 ng
RT: 14.098 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

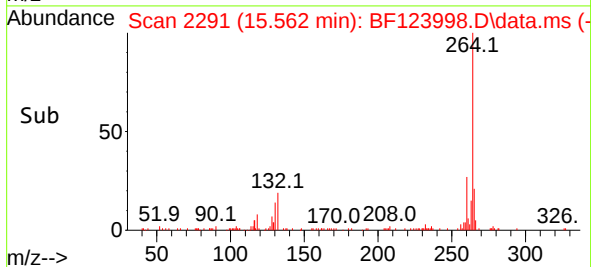
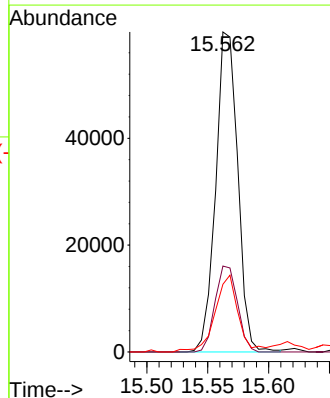
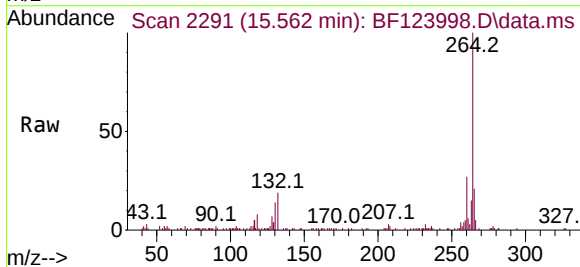
Instrument :
BNA_F
ClientSampleId :
TP-2

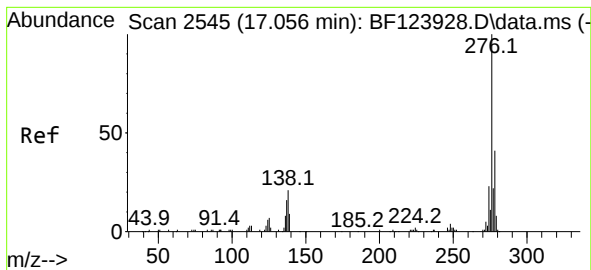
Tgt Ion:	228	Resp:	63347
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.3	36.5
229	23.0	16.2	24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.562 min Scan# 2291
Delta R.T. 0.012 min
Lab File: BF123998.D
Acq: 19 May 2021 19:30

Tgt Ion:	264	Resp:	75656
Ion Ratio	Lower	Upper	
264	100		
260	26.8	18.7	28.1
265	21.2	17.8	26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.91 ng

RT: 17.062 min Scan# 2546

Delta R.T. 0.006 min

Lab File: BF123998.D

Acq: 19 May 2021 19:30

Tgt Ion:276 Resp: 28673

Ion Ratio Lower Upper

276 100

138 23.8 16.2 24.2

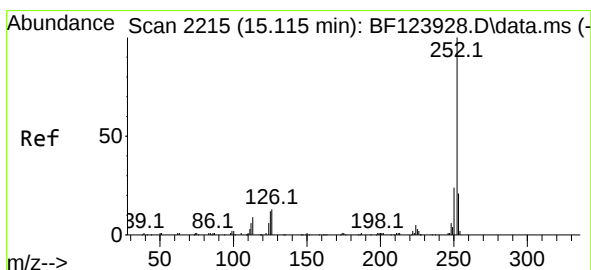
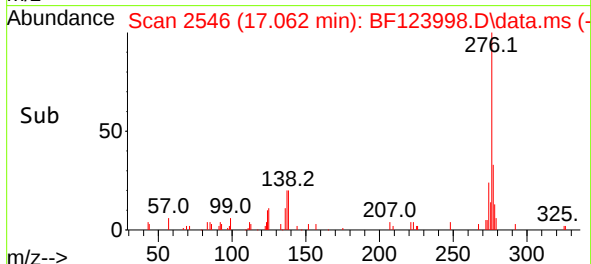
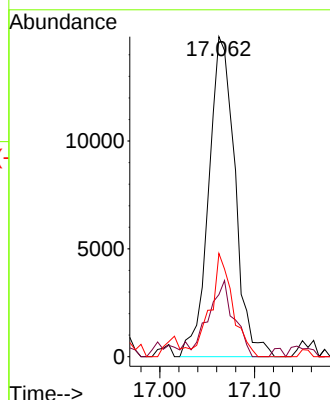
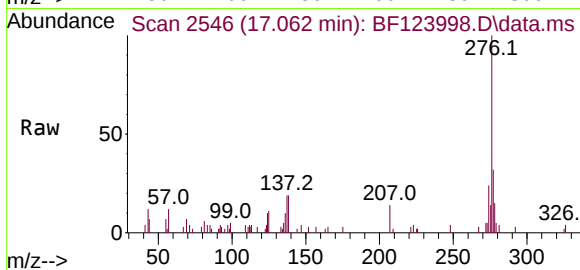
277 27.0 20.1 30.1

Instrument :

BNA_F

ClientSampled :

TP-2



#88

Benzo(b)fluoranthene

Concen: 13.94 ng

RT: 15.127 min Scan# 2217

Delta R.T. 0.012 min

Lab File: BF123998.D

Acq: 19 May 2021 19:30

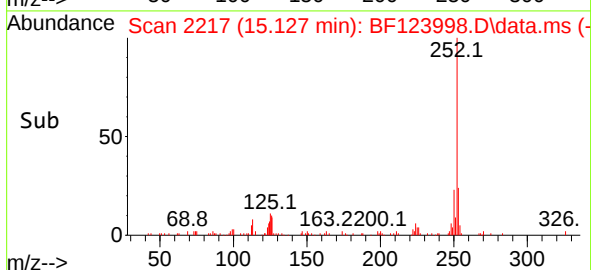
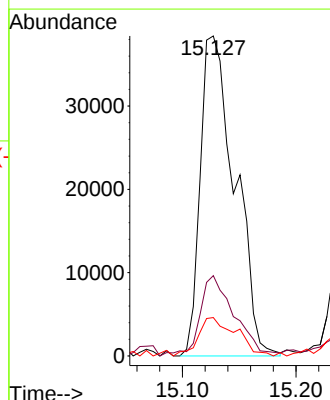
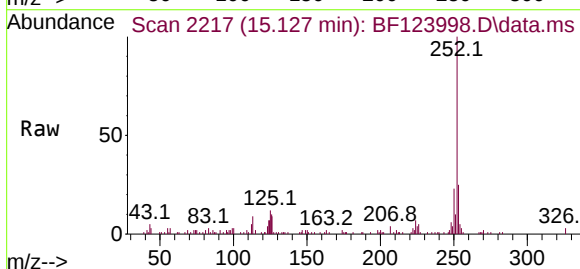
Tgt Ion:252 Resp: 81604

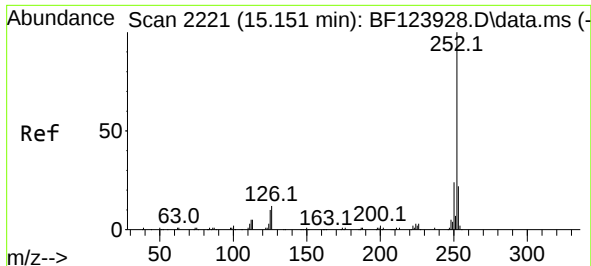
Ion Ratio Lower Upper

252 100

253 25.1 18.1 27.1

125 12.0 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 15.30 ng

RT: 15.127 min Scan# 2217

Delta R.T. -0.024 min

Lab File: BF123998.D

Acq: 19 May 2021 19:30

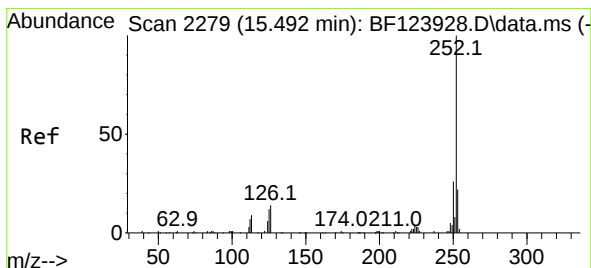
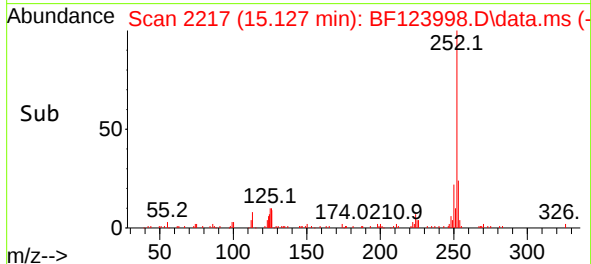
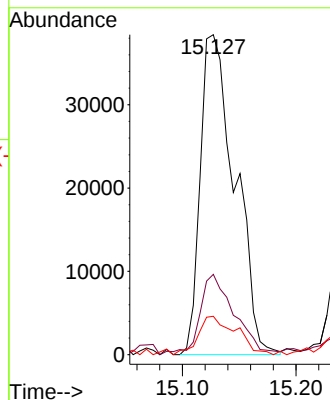
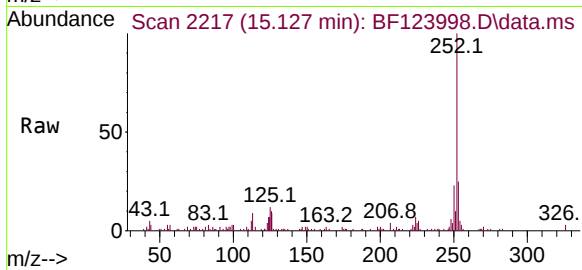
Tgt Ion:	252	Resp:	81604
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.9	26.9
125	12.0	7.0	10.6#

Instrument :

BNA_F

ClientSampleId :

TP-2



#90

Benzo(a)pyrene

Concen: 11.44 ng

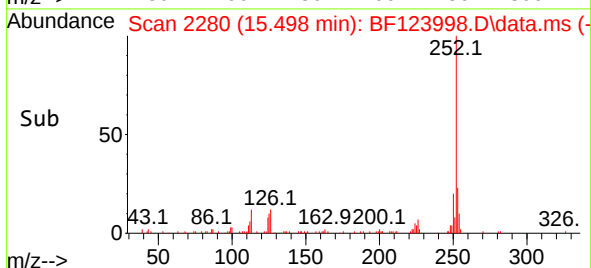
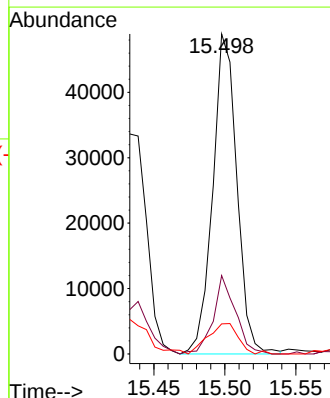
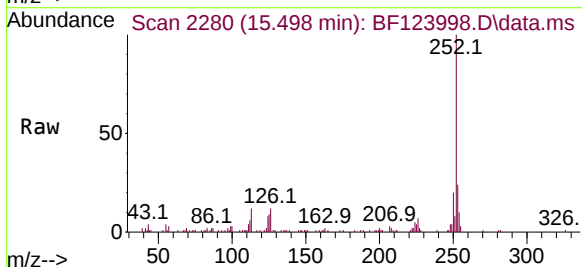
RT: 15.498 min Scan# 2280

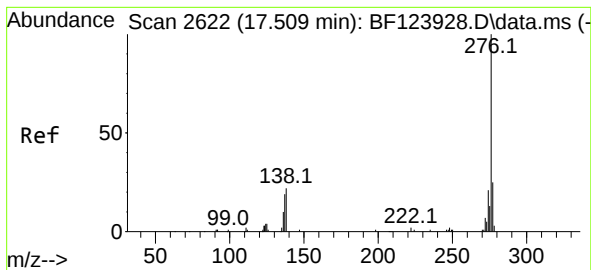
Delta R.T. 0.006 min

Lab File: BF123998.D

Acq: 19 May 2021 19:30

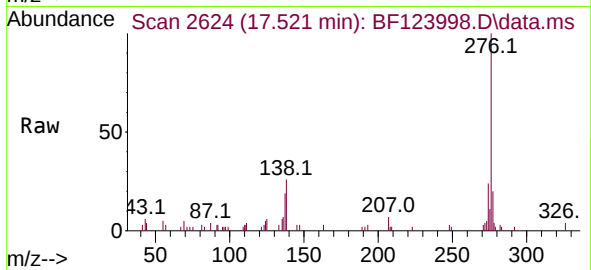
Tgt Ion:	252	Resp:	57884
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.4	27.6
125	9.4	8.0	12.0





#92
 Benzo(g,h,i)perylene
 Concen: 7.44 ng
 RT: 17.521 min Scan# 2624
 Delta R.T. 0.012 min
 Lab File: BF123998.D
 Acq: 19 May 2021 19:30

Instrument :
 BNA_F
 ClientSampleId :
 TP-2



Tgt Ion:	276	Resp:	36733
Ion Ratio	Lower	Upper	
276	100		
277	19.9	18.2	27.2
138	25.5	13.8	20.6#

