

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041621\
 Data File : BF123604.D
 Acq On : 16 Apr 2021 21:50
 Operator : JU/CG
 Sample : M2050-17
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Quant Time: Apr 17 01:26:10 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

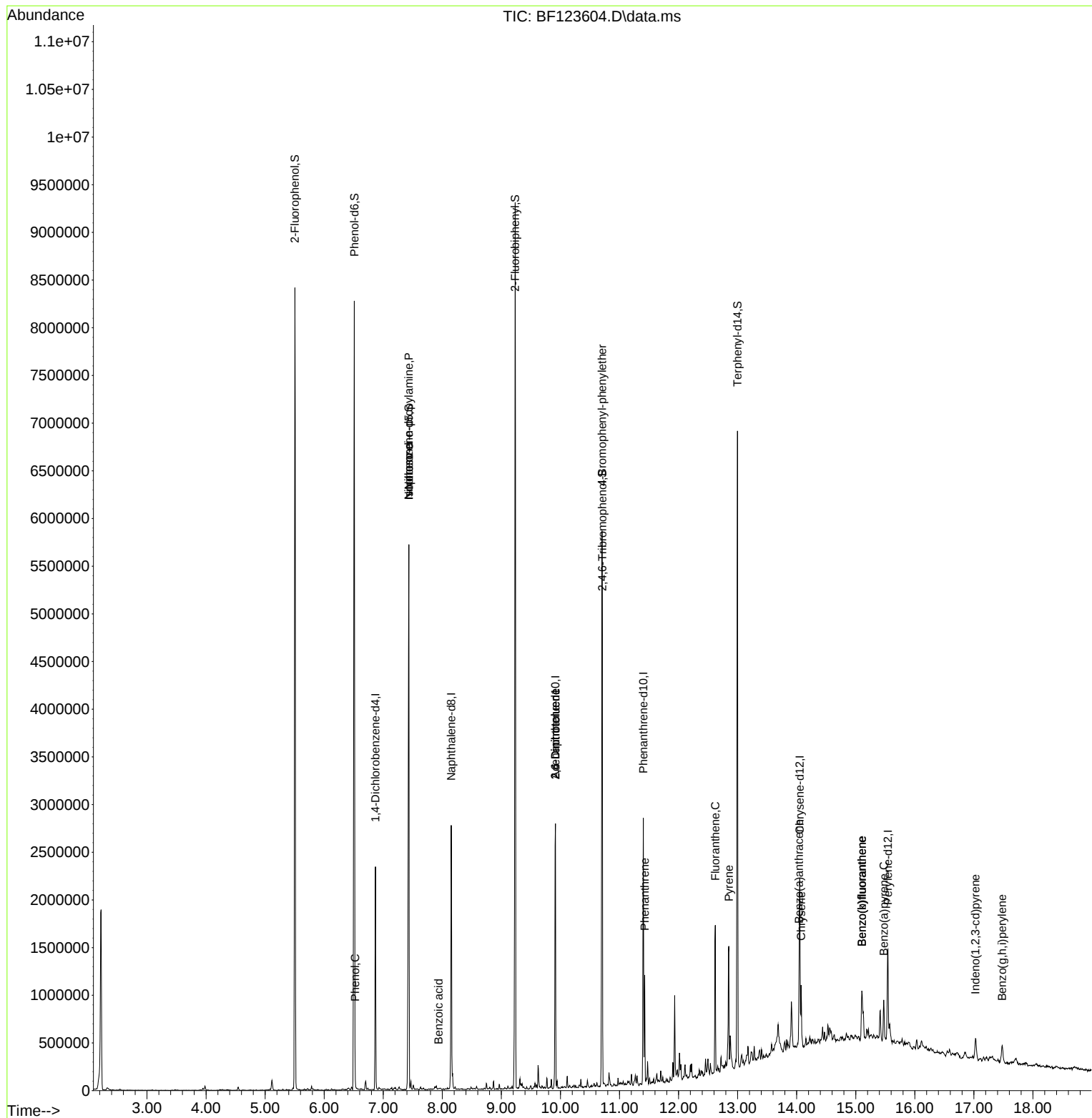
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	291378	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	1096164	20.00	ng	0.00
39) Acenaphthene-d10	9.916	164	529803	20.00	ng	0.00
64) Phenanthrene-d10	11.404	188	909151	20.00	ng	0.00
76) Chrysene-d12	14.051	240	496024	20.00	ng	0.00
86) Perylene-d12	15.545	264	460185	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1955910	108.49	ng	0.02
7) Phenol-d6	6.510	99	2539105	101.64	ng	0.01
23) Nitrobenzene-d5	7.433	82	1867008	78.30	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	689424	114.91	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2758020	77.60	ng	0.00
79) Terphenyl-d14	12.998	244	2076282	81.35	ng	0.00
Target Compounds						
10) Phenol	6.522	94	61274	2.31	ng	92
19) n-Nitroso-di-n-propyla...	7.433	70	257613	15.57	ng	# 75
25) Isophorone	7.433	82	1862556	40.26	ng	# 69
32) Benzoic acid	7.939	122	984	4.63	ng	# 24
51) 2,6-Dinitrotoluene	9.916	165	70345	8.75	ng	# 11
57) 2,4-Dinitrotoluene	9.916	165	70345	6.56	ng	# 17
67) 4-Bromophenyl-phenylether	10.704	248	38030	4.00	ng	# 1
71) Phenanthrene	11.427	178	372846	7.86	ng	99
75) Fluoranthene	12.621	202	606640	11.63	ng	97
78) Pyrene	12.851	202	550787	15.21	ng	99
81) Benzo(a)anthracene	14.039	228	244001	8.03	ng	97
83) Chrysene	14.074	228	234159	7.67	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	150125	6.11	ng	98
88) Benzo(b)fluoranthene	15.104	252	402392	12.38	ng	# 95
89) Benzo(k)fluoranthene	15.104	252	402392	12.69	ng	# 95
90) Benzo(a)pyrene	15.474	252	215835	8.35	ng	# 96
92) Benzo(g,h,i)perylene	17.480	276	146047	8.57	ng	95

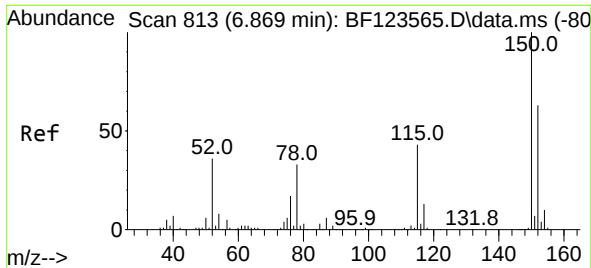
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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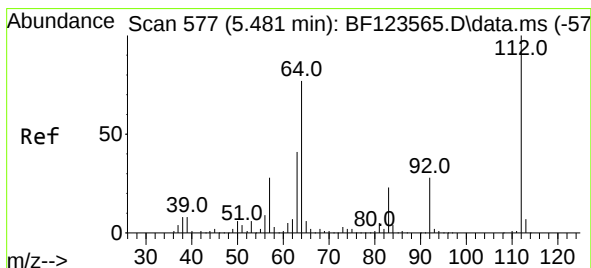
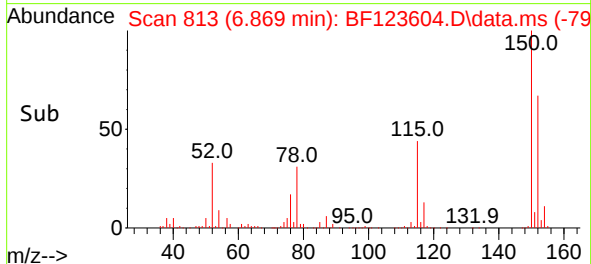
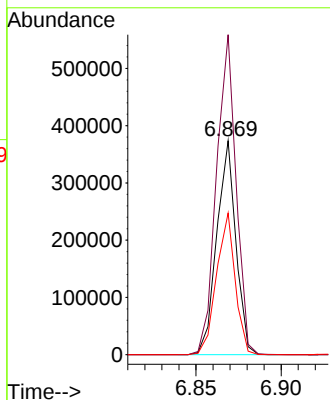
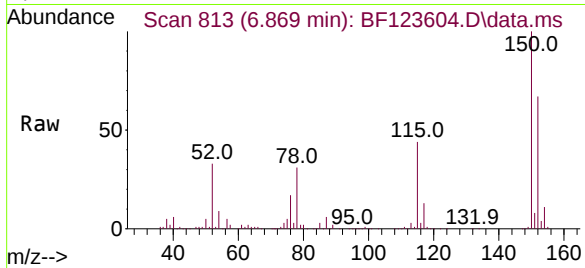




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

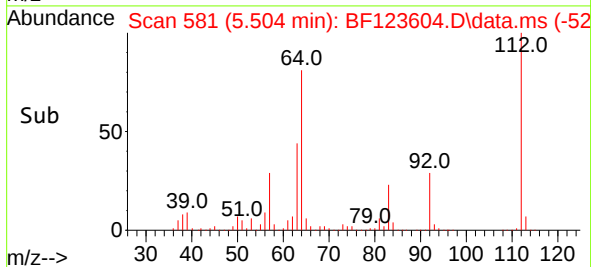
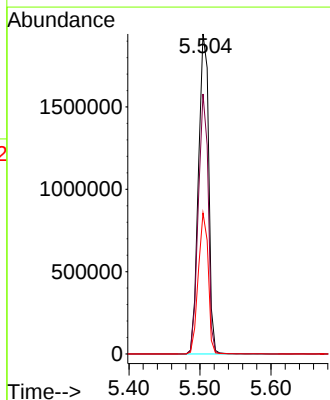
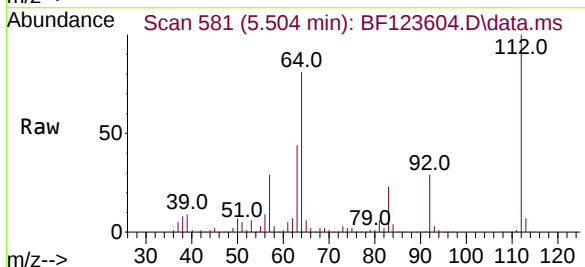
Instrument :
BNA_F
ClientSampled :
TP-6

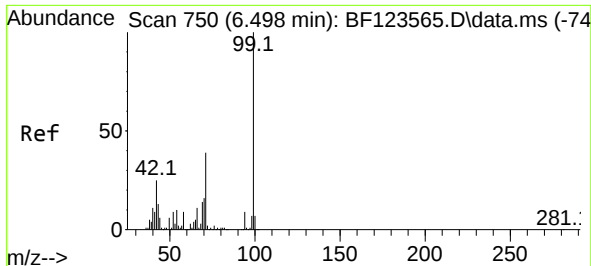
Tgt Ion:152 Resp: 291378
Ion Ratio Lower Upper
152 100
150 149.6 127.0 190.6
115 66.2 54.3 81.5



#5
2-Fluorophenol
Concen: 108.49 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.023 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

Tgt Ion:112 Resp: 1955910
Ion Ratio Lower Upper
112 100
64 81.3 61.4 92.0
63 44.1 33.0 49.4

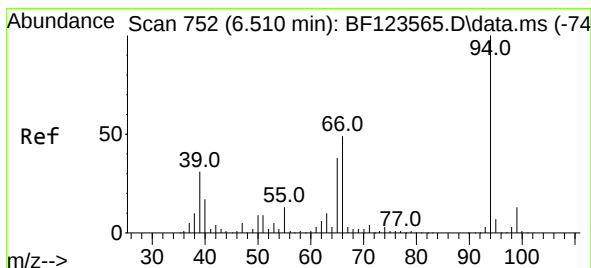
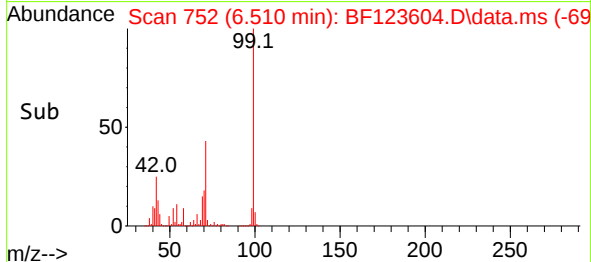
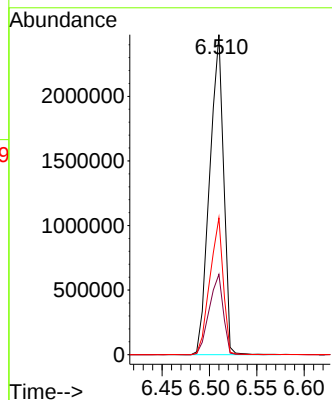
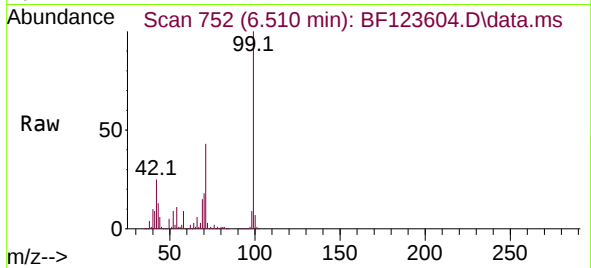




#7
Phenol-d6
Concen: 101.64 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.012 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

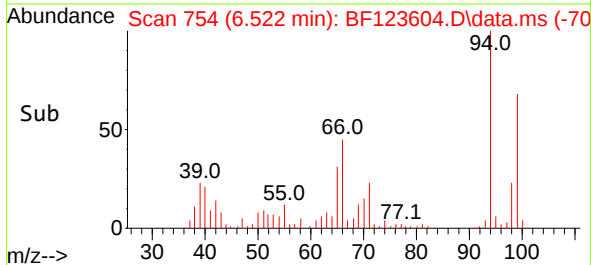
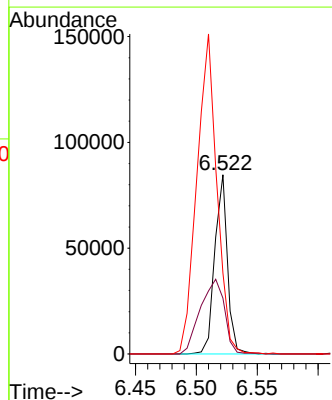
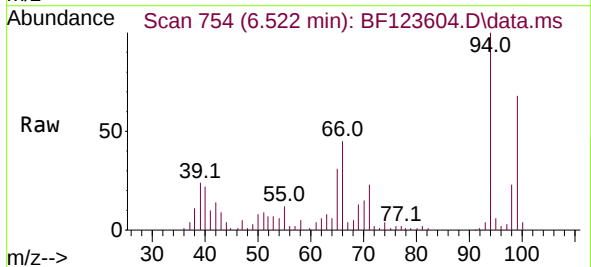
Instrument :
BNA_F
ClientSampled :
TP-6

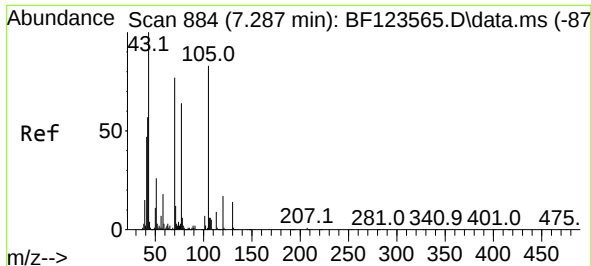
Tgt Ion: 99 Resp: 2539105
Ion Ratio Lower Upper
99 100
42 25.1 19.8 29.8
71 42.8 31.1 46.7



#10
Phenol
Concen: 2.31 ng
RT: 6.522 min Scan# 754
Delta R.T. 0.012 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

Tgt Ion: 94 Resp: 61274
Ion Ratio Lower Upper
94 100
65 31.2 18.1 58.1
66 45.2 29.0 69.0

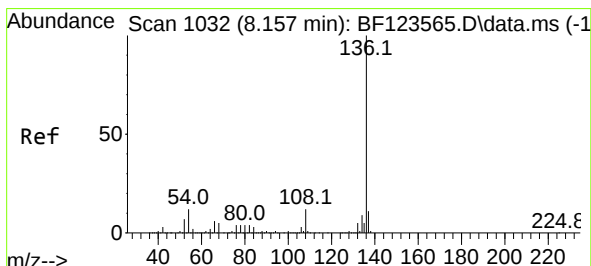
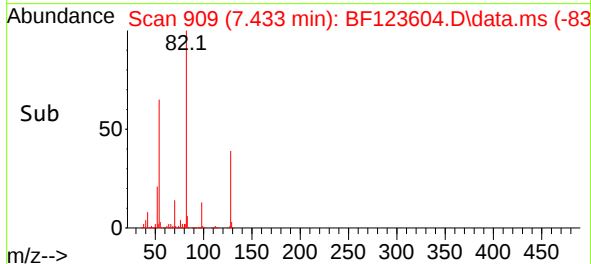
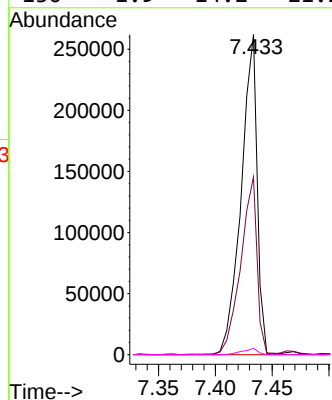
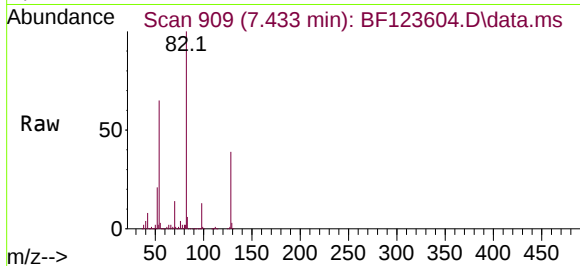




#19
n-Nitroso-di-n-propylamine
Concen: 15.57 ng
RT: 7.433 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

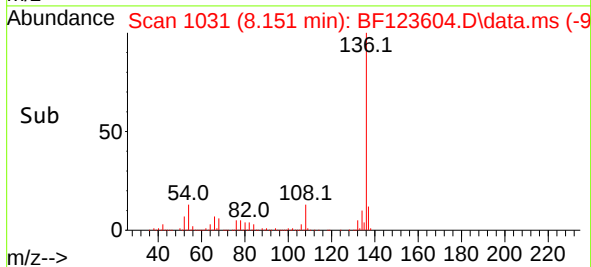
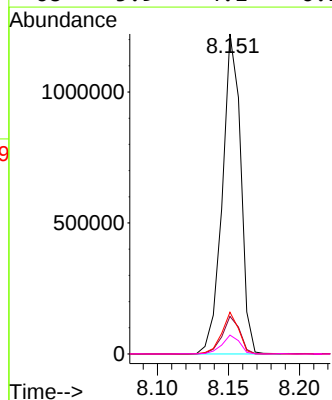
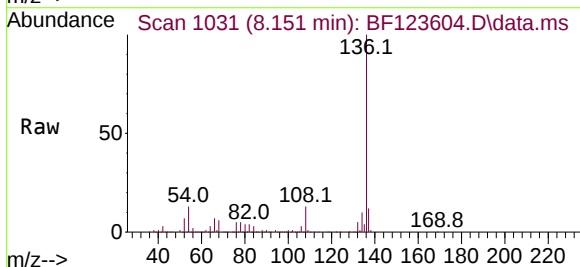
Instrument :
BNA_F
ClientSampled :
TP-6

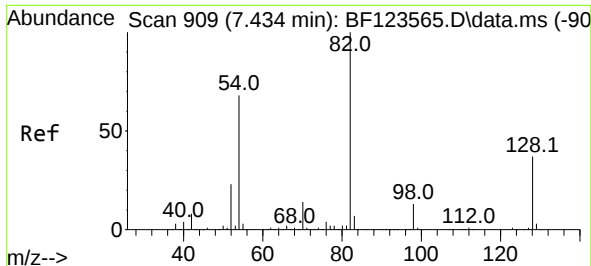
Tgt Ion: 70 Resp: 257613
Ion Ratio Lower Upper
70 100
42 55.5 60.1 90.1#
101 0.0 7.4 11.2#
130 1.9 14.2 21.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

Tgt Ion: 136 Resp: 1096164
Ion Ratio Lower Upper
136 100
137 11.7 8.7 13.1
54 13.0 9.8 14.6
68 5.9 4.1 6.1





#23

Nitrobenzene-d5

Concen: 78.30 ng

RT: 7.433 min Scan# 909

Delta R.T. -0.000 min

Lab File: BF123604.D

Acq: 16 Apr 2021 21:50

Tgt Ion: 82 Resp: 1867008

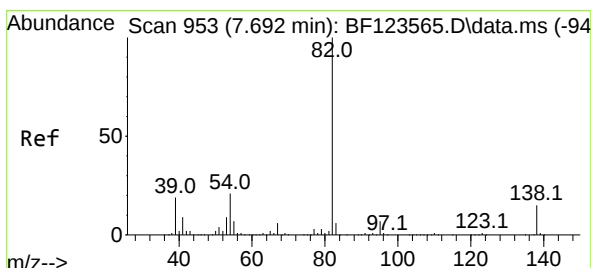
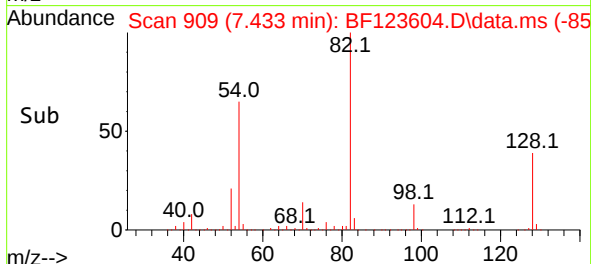
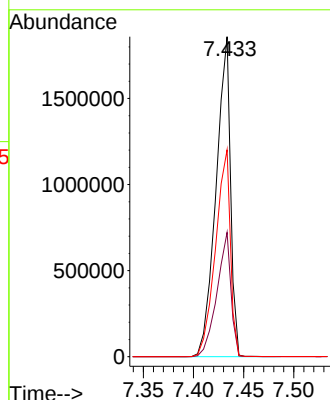
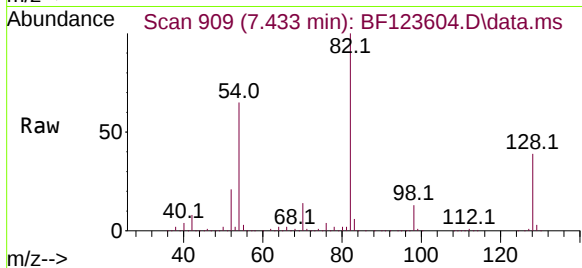
Ion	Ratio	Lower	Upper
82	100		
128	38.8	29.4	44.2
54	64.7	54.1	81.1

Instrument :

BNA_F

ClientSampleId :

TP-6



#25

Isophorone

Concen: 40.26 ng

RT: 7.433 min Scan# 909

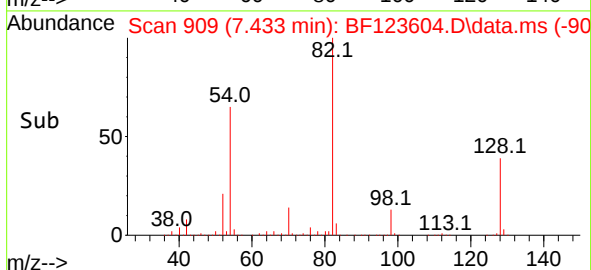
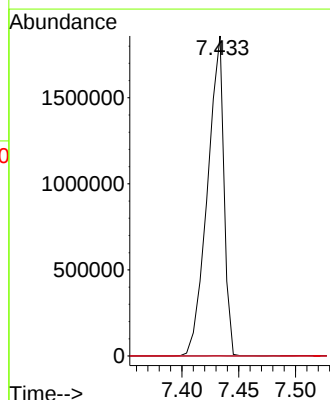
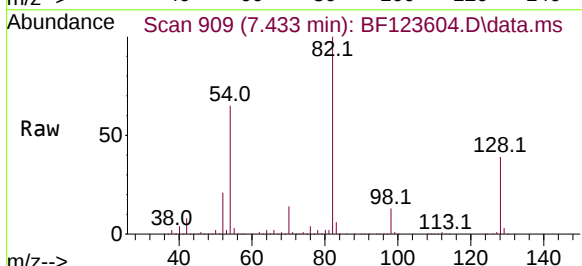
Delta R.T. -0.259 min

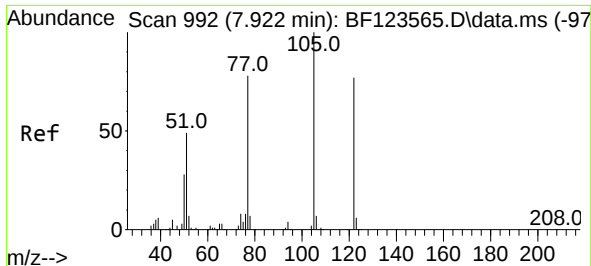
Lab File: BF123604.D

Acq: 16 Apr 2021 21:50

Tgt Ion: 82 Resp: 1862556

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

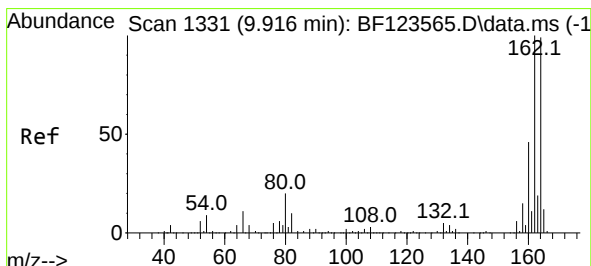
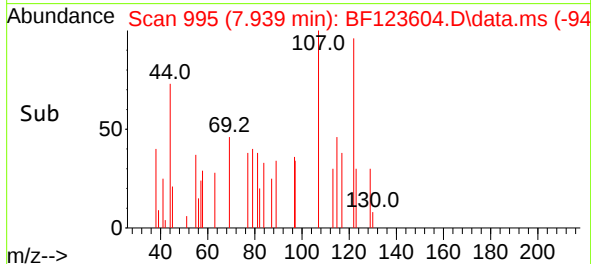
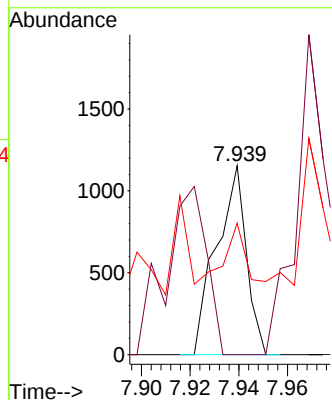
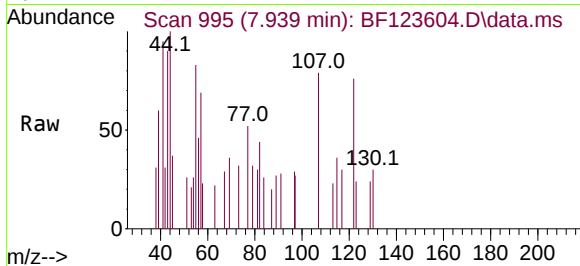




#32
Benzoic acid
Concen: 4.63 ng
RT: 7.939 min Scan# 995
Delta R.T. 0.018 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

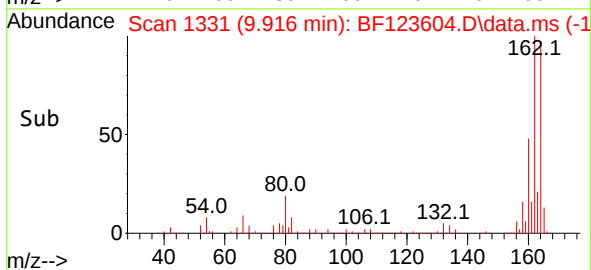
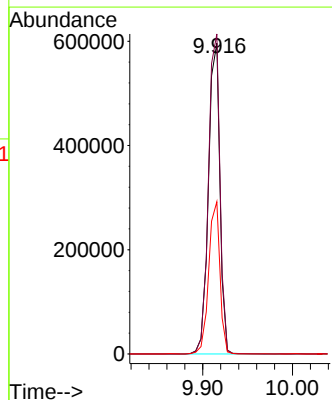
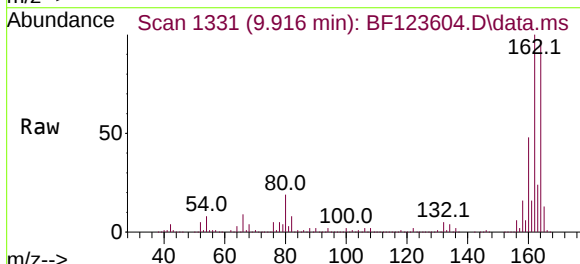
Instrument :
BNA_F
ClientSampled :
TP-6

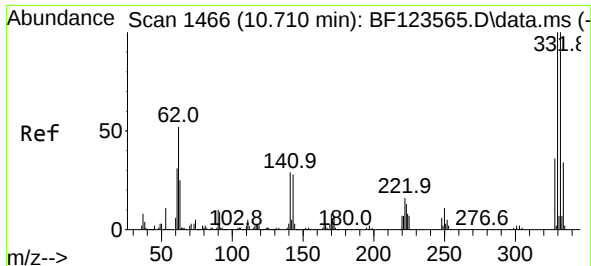
Tgt Ion:122 Resp: 984
Ion Ratio Lower Upper
122 100
105 0.0 107.8 147.8#
77 69.5 81.6 121.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.000 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

Tgt Ion:164 Resp: 529803
Ion Ratio Lower Upper
164 100
162 103.0 80.7 121.1
160 49.0 37.3 55.9

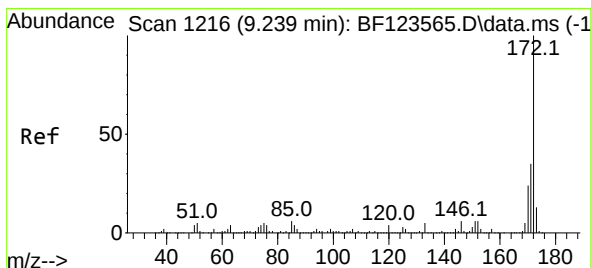
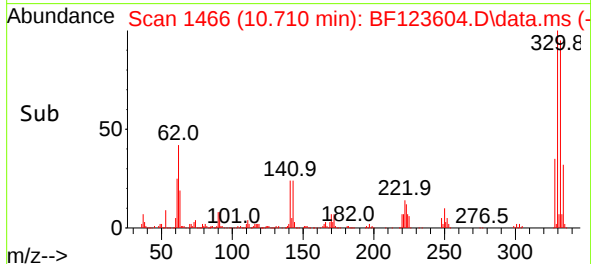
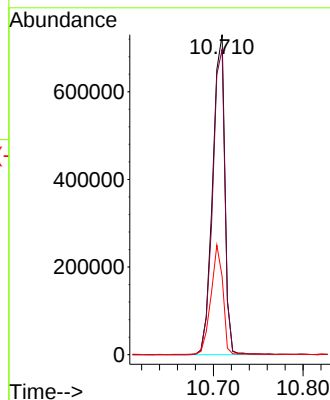
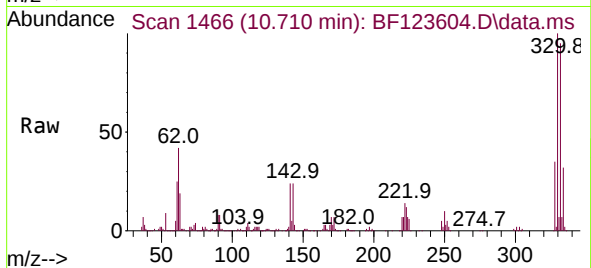




#42
2,4,6-Tribromophenol
Concen: 114.91 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

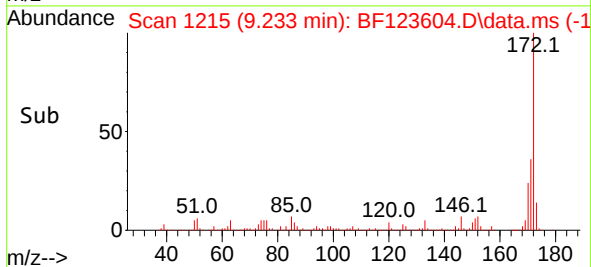
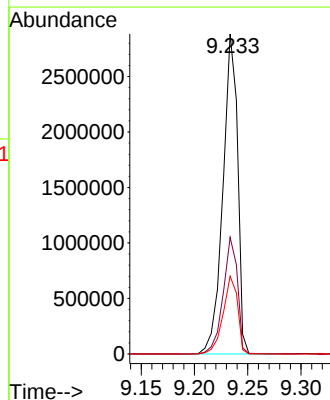
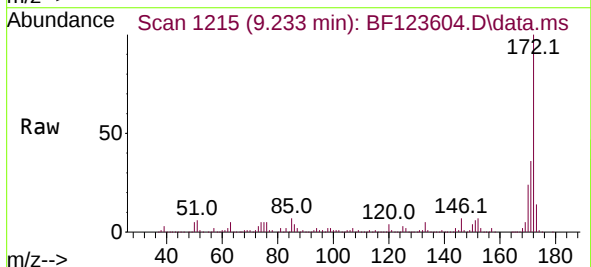
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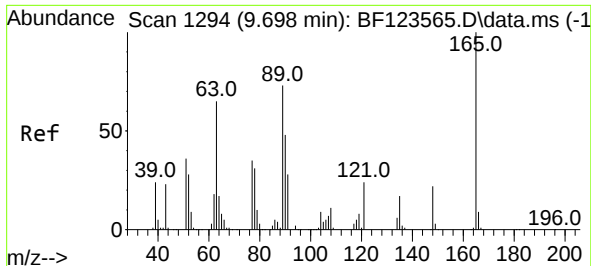
Tgt Ion: 330 Resp: 689424
Ion Ratio Lower Upper
330 100
332 95.7 77.1 115.7
141 33.7 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 77.60 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

Tgt Ion: 172 Resp: 2758020
Ion Ratio Lower Upper
172 100
171 36.4 28.1 42.1
170 24.3 19.2 28.8

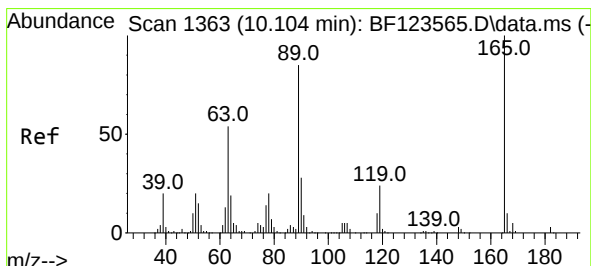
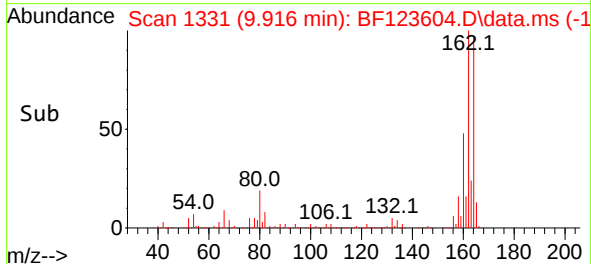
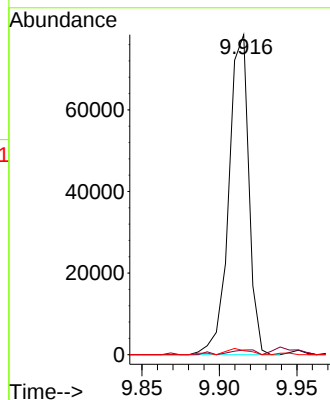
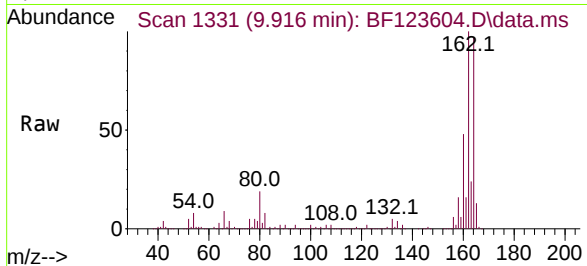




#51
2,6-Dinitrotoluene
Concen: 8.75 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.218 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

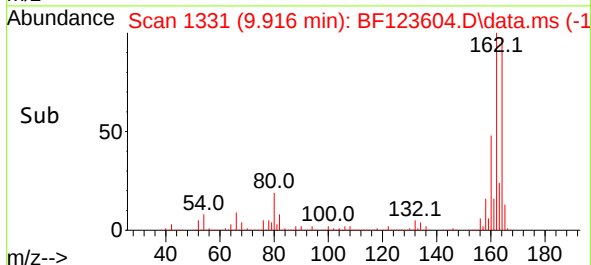
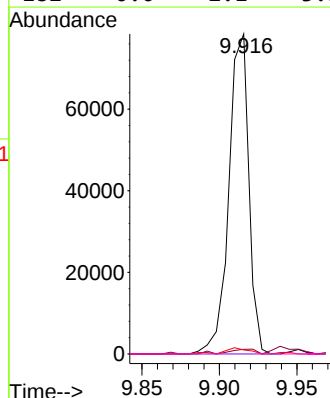
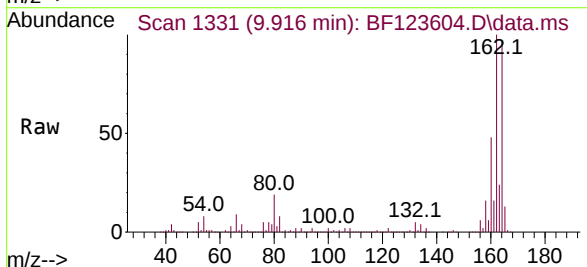
Instrument :
BNA_F
ClientSampled :
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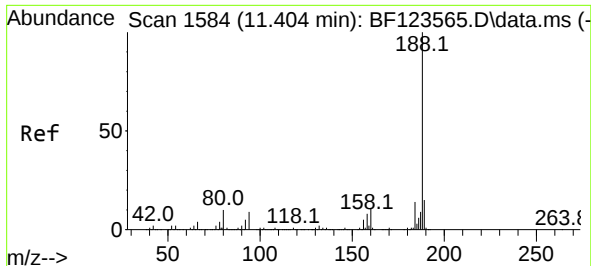
Tgt Ion:165 Resp: 70345
Ion Ratio Lower Upper
165 100
63 1.4 67.7 101.5#
89 1.2 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.56 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

Tgt Ion:165 Resp: 70345
Ion Ratio Lower Upper
165 100
63 1.4 43.5 65.3#
89 1.2 67.7 101.5#
182 0.0 2.1 3.1#

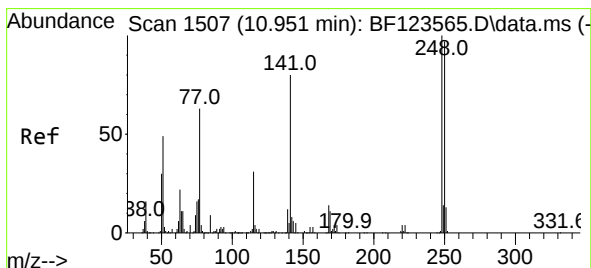
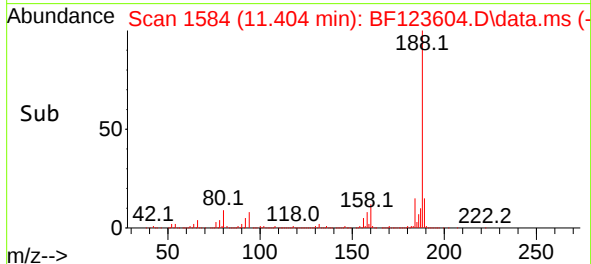
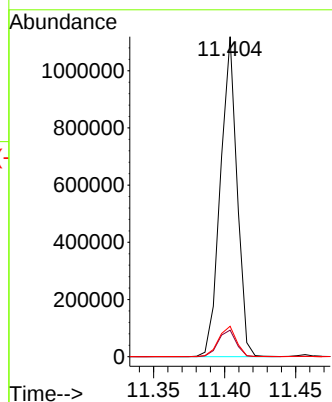
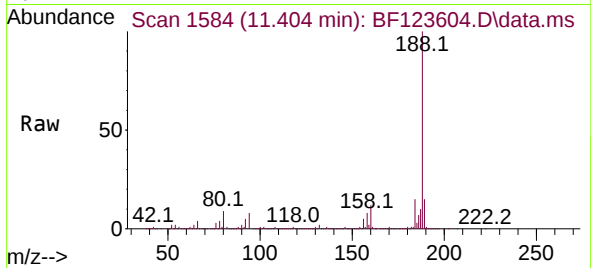




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

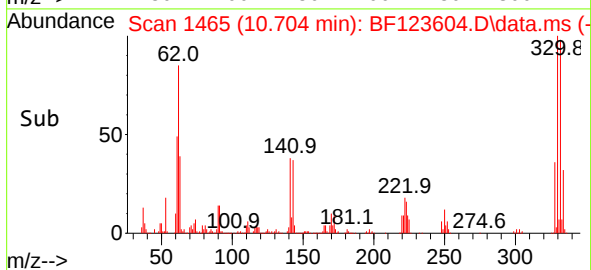
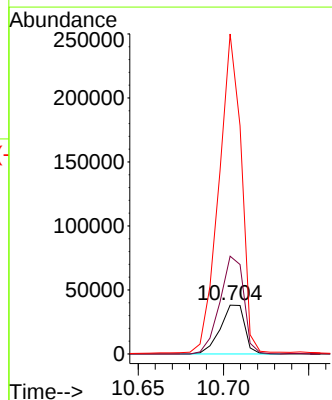
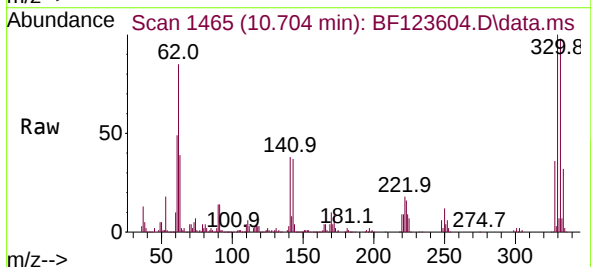
Instrument :
BNA_F
ClientSampled :
TP-6

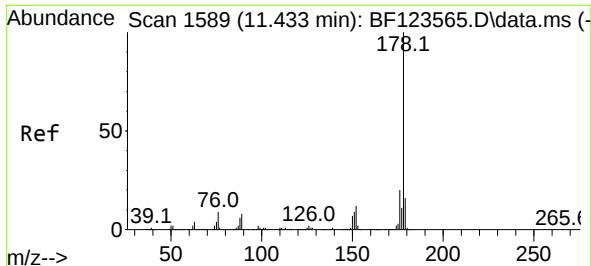
Tgt Ion:188	Resp:	909151
Ion Ratio	Lower	Upper
188	100	
94	8.3	6.9 10.3
80	9.5	8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 4.00 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

Tgt Ion:248	Resp:	38030
Ion Ratio	Lower	Upper
248	100	
250	200.1	77.4 116.2#
141	655.0	63.7 95.5#

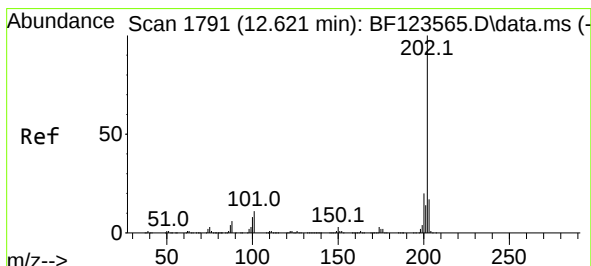
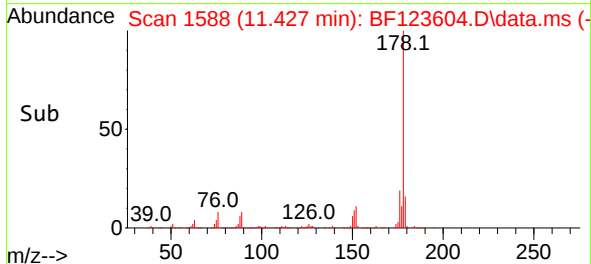
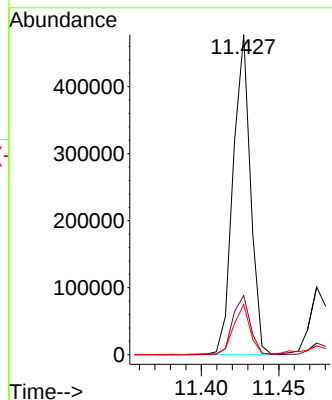
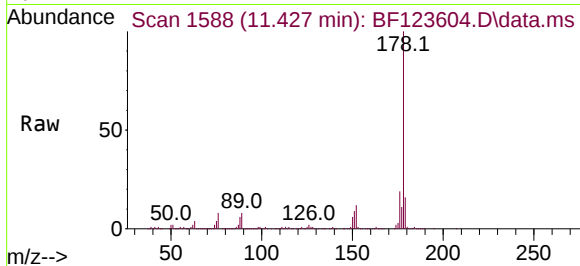




#71
Phenanthrene
Concen: 7.86 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

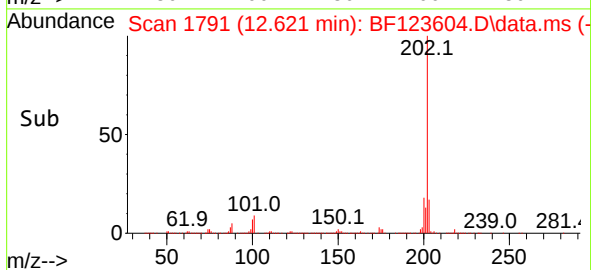
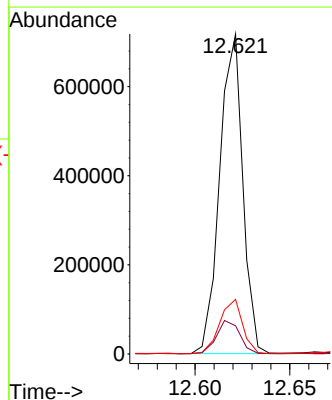
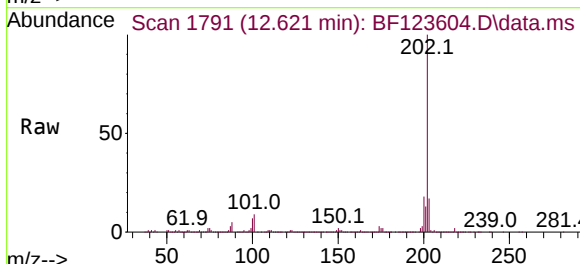
Instrument :
BNA_F
ClientSampled :
TP-6

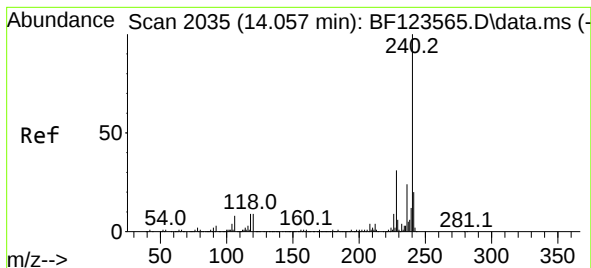
Tgt Ion:178 Resp: 372846
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.7 12.5 18.7



#75
Fluoranthene
Concen: 11.63 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

Tgt Ion:202 Resp: 606640
Ion Ratio Lower Upper
202 100
101 8.8 0.0 30.9
203 17.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF123604.D

Acq: 16 Apr 2021 21:50

Tgt Ion:240 Resp: 496024

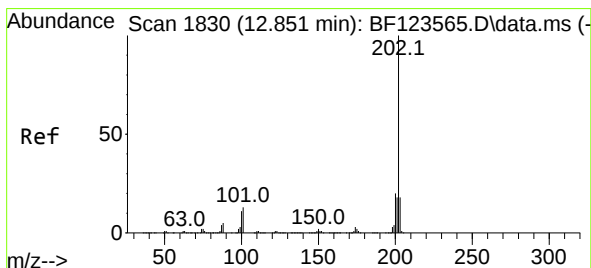
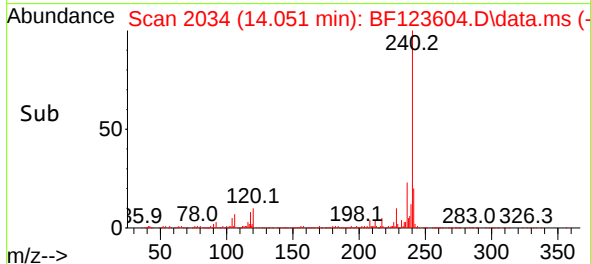
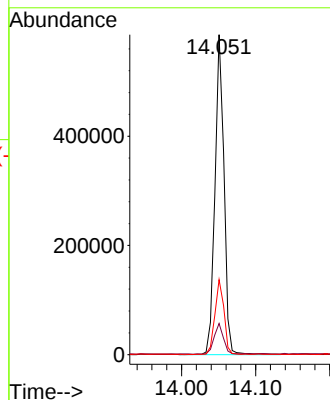
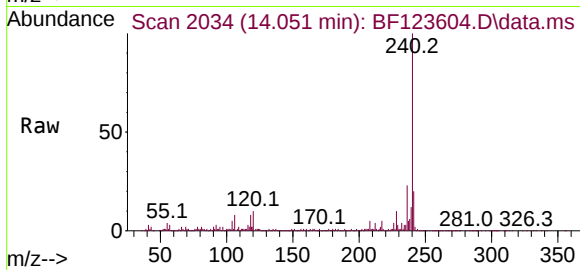
Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.2	10.8
236	23.5	19.0	28.4

Instrument :

BNA_F

ClientSampled :

TP-6



#78

Pyrene

Concen: 15.21 ng

RT: 12.851 min Scan# 1830

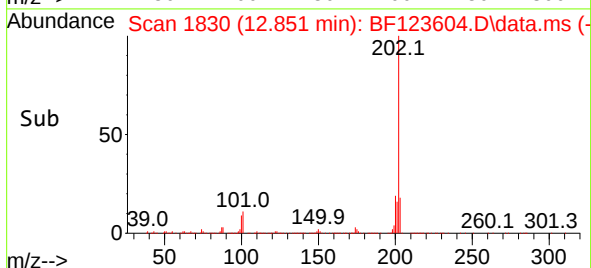
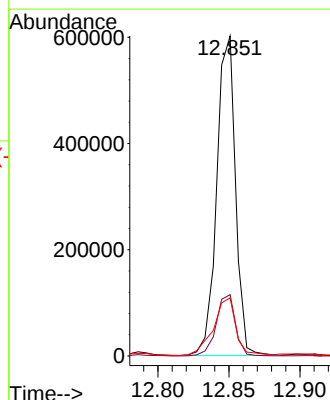
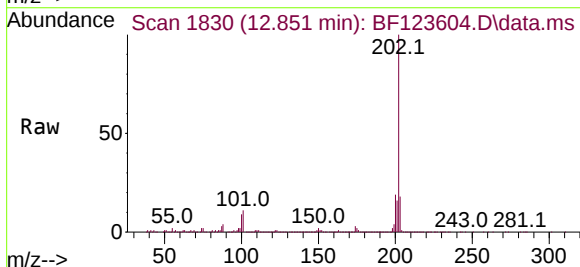
Delta R.T. -0.006 min

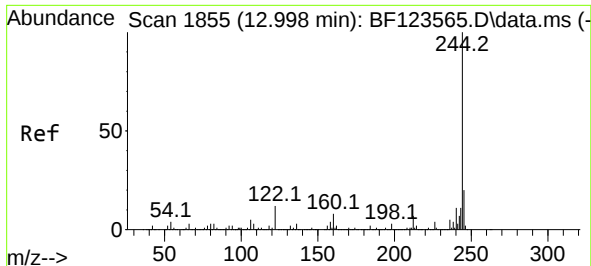
Lab File: BF123604.D

Acq: 16 Apr 2021 21:50

Tgt Ion:202 Resp: 550787

Ion	Ratio	Lower	Upper
202	100		
200	19.1	16.1	24.1
203	18.2	14.8	22.2

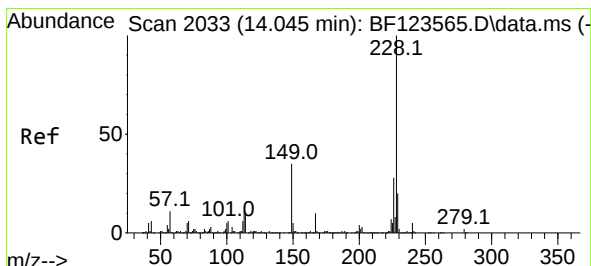
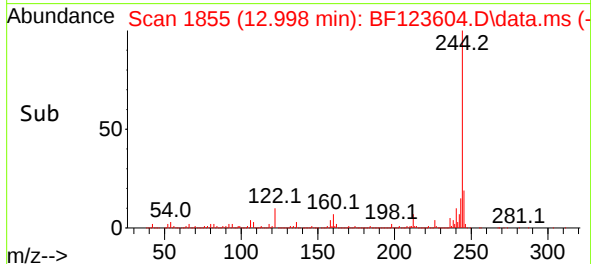
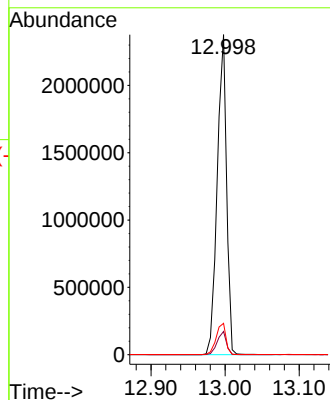
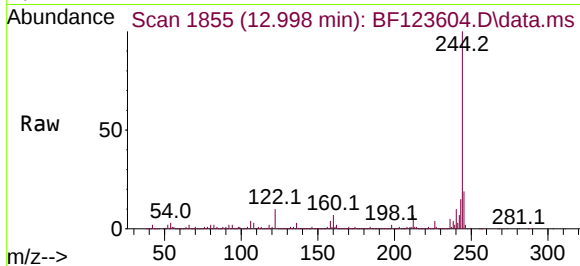




#79
Terphenyl-d14
Concen: 81.35 ng
RT: 12.998 min Scan# 1855
Delta R.T. -0.000 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

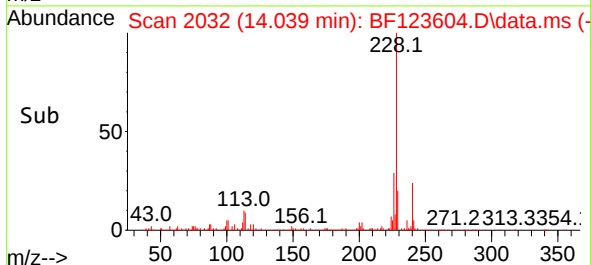
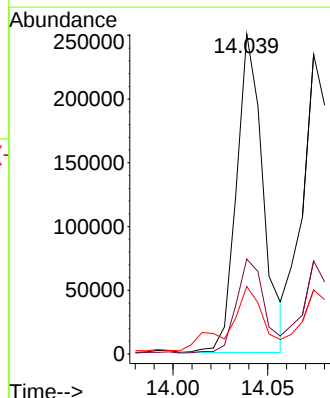
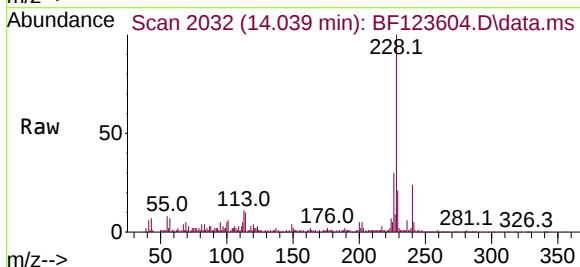
Instrument :
BNA_F
ClientSampled :
TP-6

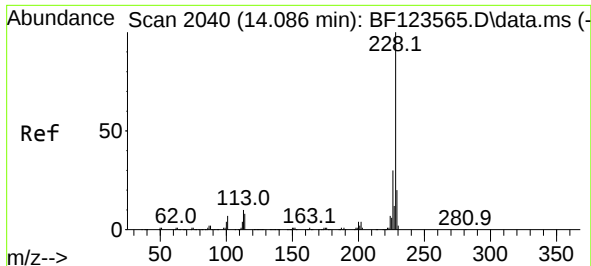
Tgt Ion:244 Resp: 2076282
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 9.8 9.7 14.5



#81
Benzo(a)anthracene
Concen: 8.03 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

Tgt Ion:228 Resp: 244001
Ion Ratio Lower Upper
228 100
226 29.7 22.4 33.6
229 21.1 16.0 24.0

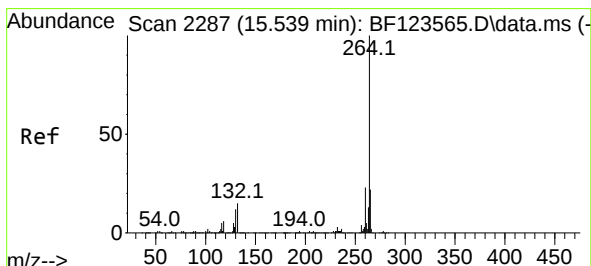
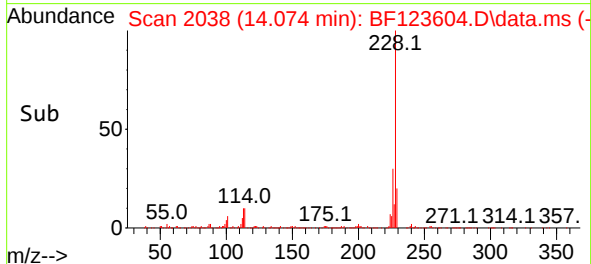
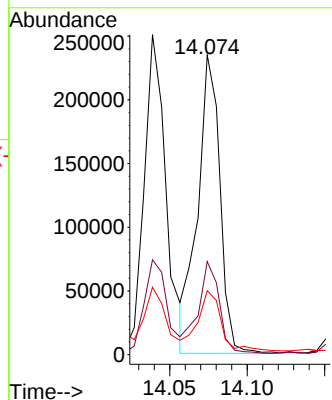
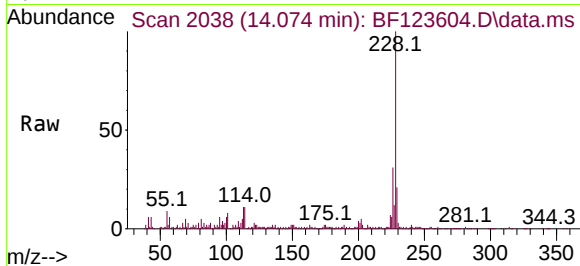




#83
Chrysene
Concen: 7.67 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

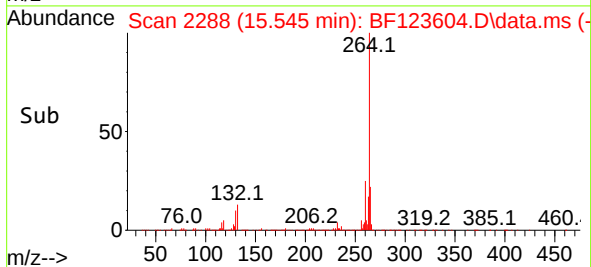
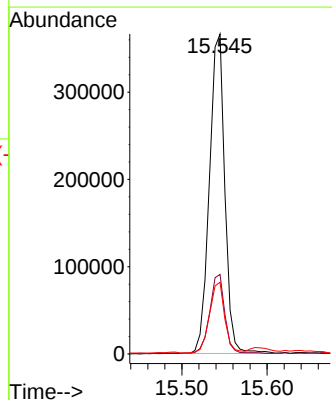
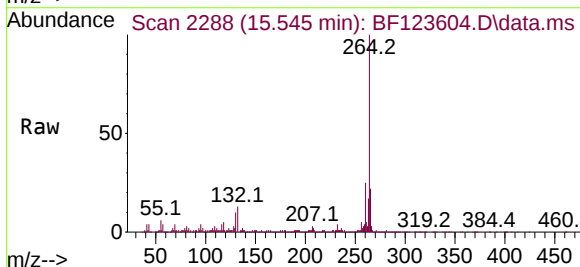
Instrument :
BNA_F
ClientSampled :
TP-6

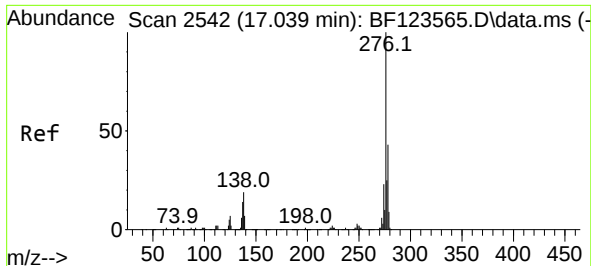
Tgt Ion:228 Resp: 234159
Ion Ratio Lower Upper
228 100
226 31.1 24.3 36.5
229 21.4 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.545 min Scan# 2288
Delta R.T. 0.006 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

Tgt Ion:264 Resp: 460185
Ion Ratio Lower Upper
264 100
260 24.9 18.7 28.1
265 22.4 17.8 26.8

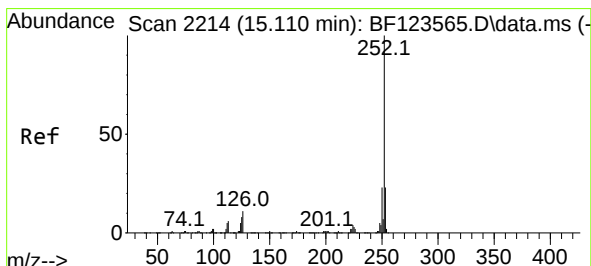
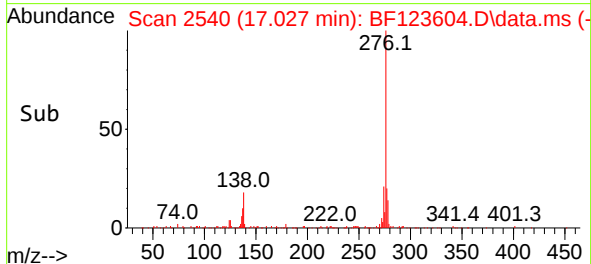
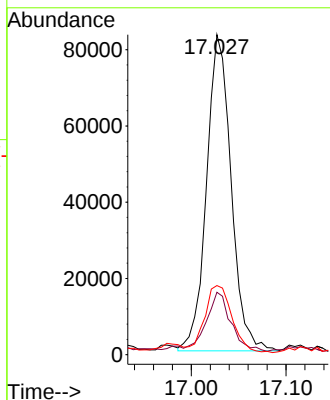
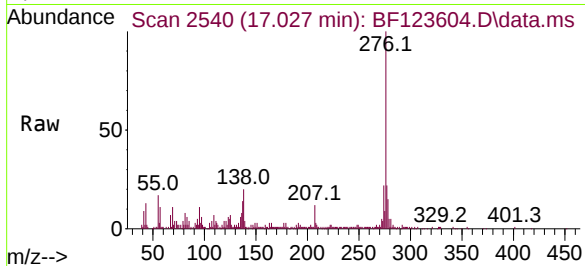




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.11 ng
RT: 17.027 min Scan# 2540
Delta R.T. -0.012 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

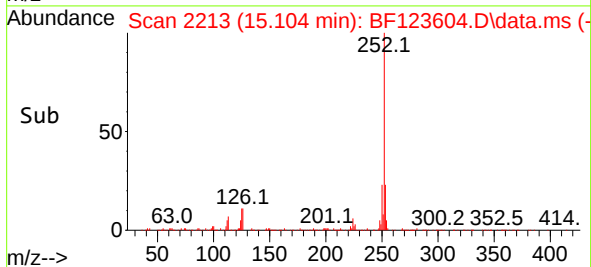
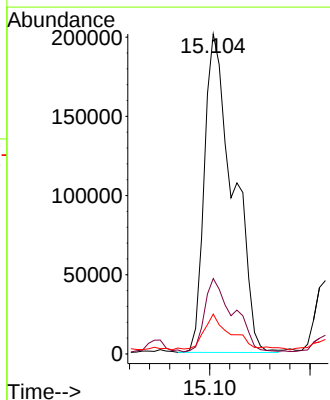
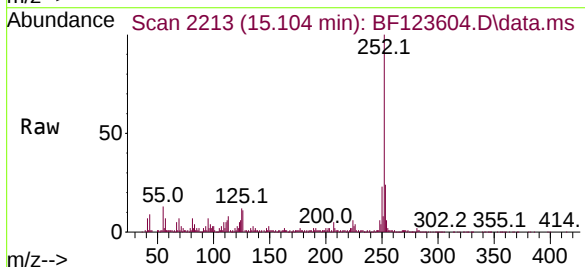
Instrument :
BNA_F
ClientSampled :
TP-6

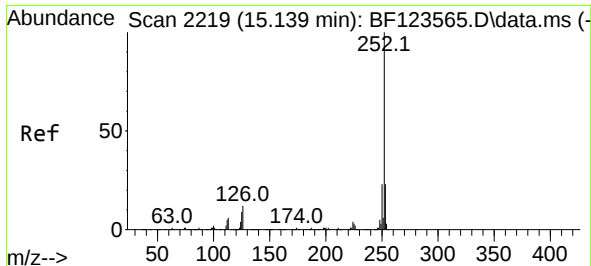
Tgt Ion:276 Resp: 150125
Ion Ratio Lower Upper
276 100
138 20.3 16.2 24.2
277 23.6 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 12.38 ng
RT: 15.104 min Scan# 2213
Delta R.T. -0.006 min
Lab File: BF123604.D
Acq: 16 Apr 2021 21:50

Tgt Ion:252 Resp: 402392
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 12.4 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 12.69 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.035 min

Lab File: BF123604.D

Acq: 16 Apr 2021 21:50

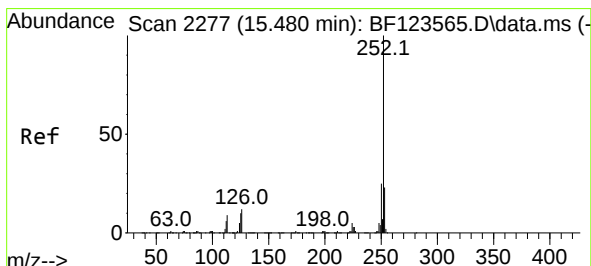
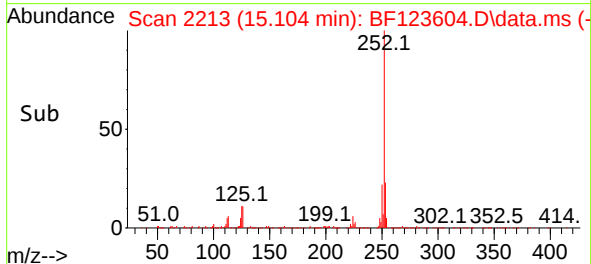
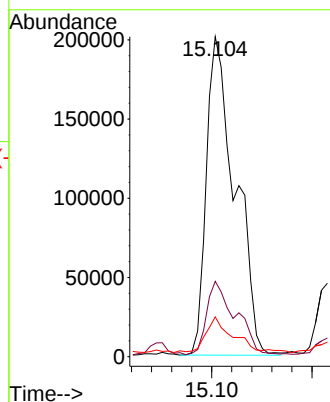
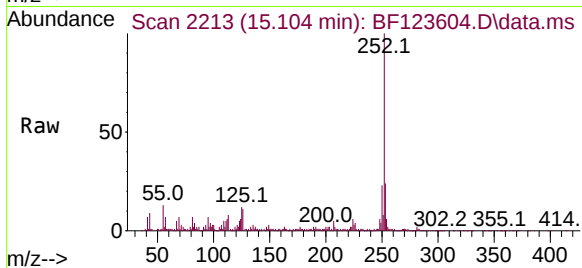
Instrument :

BNA_F

ClientSampled :

TP-6

Tgt Ion:252	Resp:	402392
Ion Ratio	Lower	Upper
252	100	
253	23.6	17.9 26.9
125	12.4	7.0 10.6#



#90

Benzo(a)pyrene

Concen: 8.35 ng

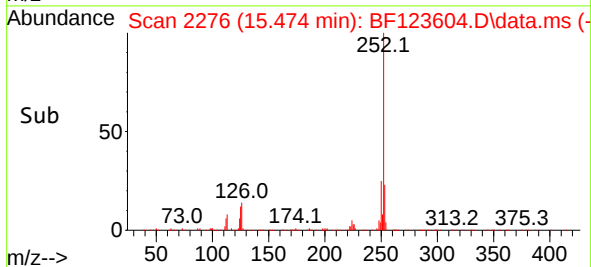
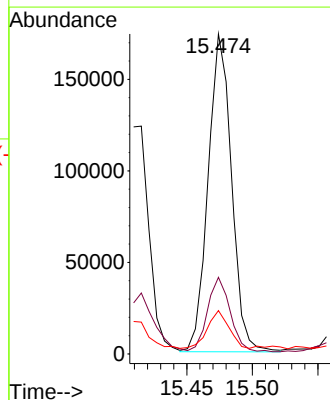
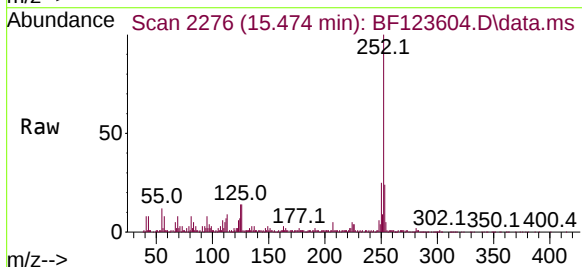
RT: 15.474 min Scan# 2276

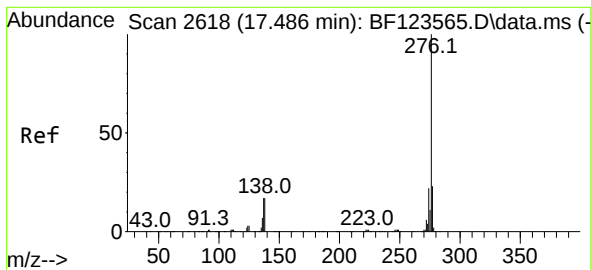
Delta R.T. -0.006 min

Lab File: BF123604.D

Acq: 16 Apr 2021 21:50

Tgt Ion:252	Resp:	215835
Ion Ratio	Lower	Upper
252	100	
253	23.9	18.4 27.6
125	13.5	8.0 12.0#





#92
 Benzo(g,h,i)perylene
 Concen: 8.57 ng
 RT: 17.480 min Scan# 2617
 Delta R.T. -0.006 min
 Lab File: BF123604.D
 Acq: 16 Apr 2021 21:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Tgt Ion:276 Resp: 146047
 Ion Ratio Lower Upper
 276 100
 277 25.3 18.2 27.2
 138 18.8 13.8 20.6

