

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020821\
 Data File : BF123156.D
 Acq On : 8 Feb 2021 21:59
 Operator : JU/CG
 Sample : M1332-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 09 00:33:13 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:29:00 2021
 Response via : Initial Calibration

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

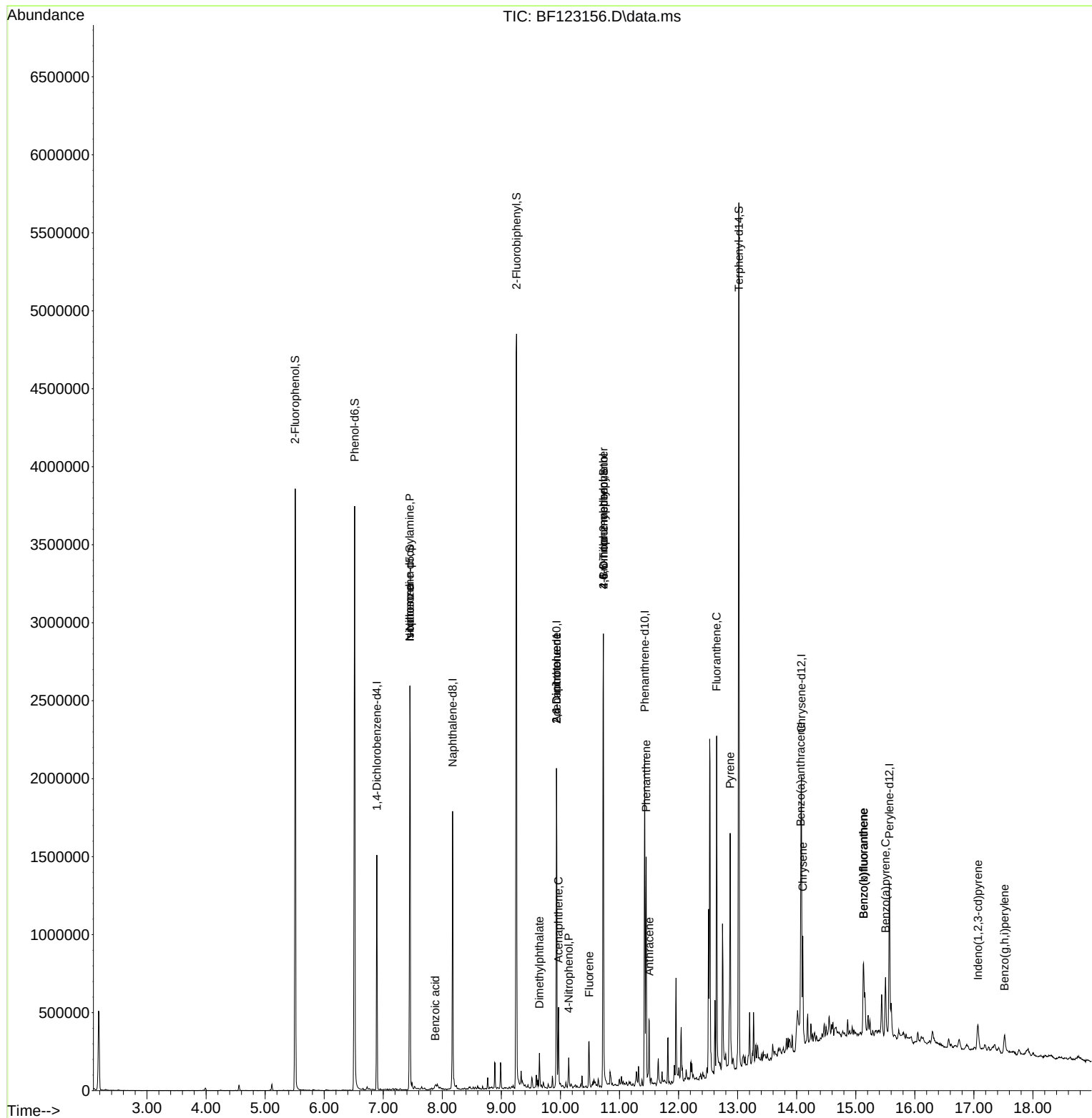
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	202540	20.00	ng	0.00
21) Naphthalene-d8	8.175	136	779410	20.00	ng	0.00
39) Acenaphthene-d10	9.933	164	414988	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	740883	20.00	ng	0.00
76) Chrysene-d12	14.080	240	526178	20.00	ng	0.00
86) Perylene-d12	15.568	264	471328	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1137124	86.60	ng	0.00
7) Phenol-d6	6.516	99	1427444	80.20	ng	0.00
23) Nitrobenzene-d5	7.451	82	912018	58.89	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	378497	84.02	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1698905	60.86	ng	0.00
79) Terphenyl-d14	13.021	244	1742111	65.05	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	123251	11.52	ng	# 80
25) Isophorone	7.451	82	909366	32.06	ng	# 65
32) Benzoic acid	7.881	122	17314	6.54	ng	97
50) Dimethylphthalate	9.645	163	82924	2.55	ng	100
51) 2,6-Dinitrotoluene	9.933	165	55593	8.02	ng	# 31
52) Acenaphthene	9.969	154	107683	4.02	ng	98
56) 4-Nitrophenol	10.139	139	25849	4.36	ng	# 15
57) 2,4-Dinitrotoluene	9.933	165	55593	6.16	ng	# 25
58) Fluorene	10.486	166	90234	2.90	ng	99
65) 4,6-Dinitro-2-methylph...	10.727	198	766	5.14	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	25034	2.65	ng	# 1
71) Phenanthrene	11.451	178	480992	10.45	ng	97
72) Anthracene	11.504	178	161170	3.65	ng	98
75) Fluoranthene	12.645	202	798211	17.36	ng	98
78) Pyrene	12.874	202	586755	14.77	ng	99
81) Benzo(a)anthracene	14.068	228	273912	7.69	ng	99
83) Chrysene	14.104	228	239998	6.73	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	108771	3.47	ng	97
88) Benzo(b)fluoranthene	15.133	252	372760	10.96	ng	99
89) Benzo(k)fluoranthene	15.133	252	372760	11.79	ng	98
90) Benzo(a)pyrene	15.504	252	188892	6.32	ng	99
92) Benzo(g,h,i)perylene	17.521	276	105799	4.23	ng	99

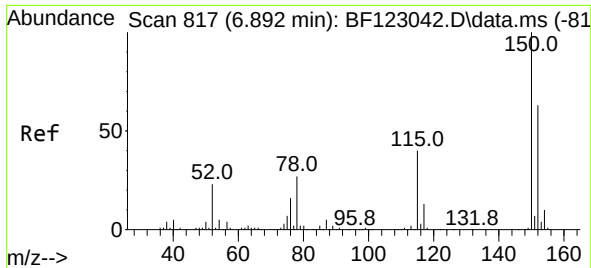
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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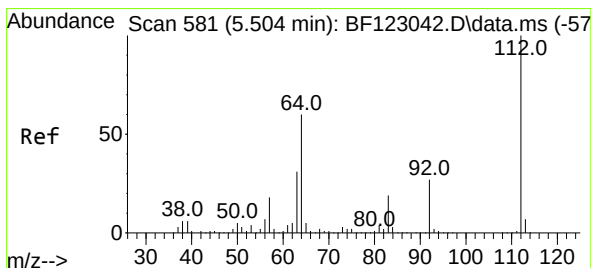
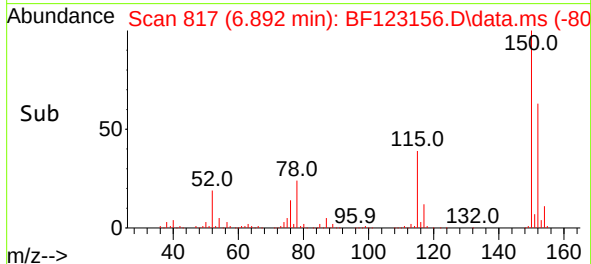
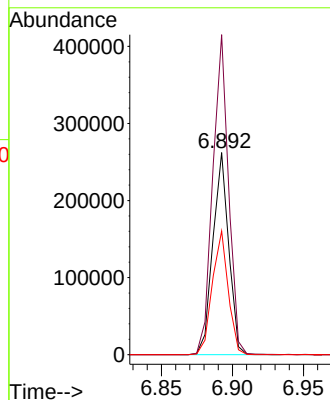
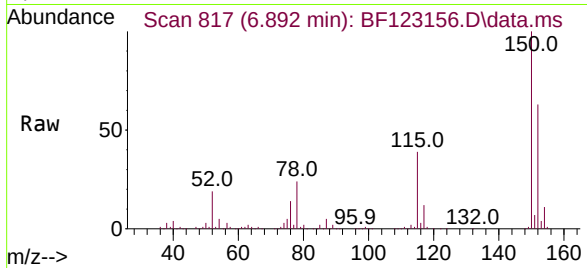




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.892 min Scan# 817
 Delta R.T. 0.000 min
 Lab File: BF123156.D
 Acq: 8 Feb 2021 21:59

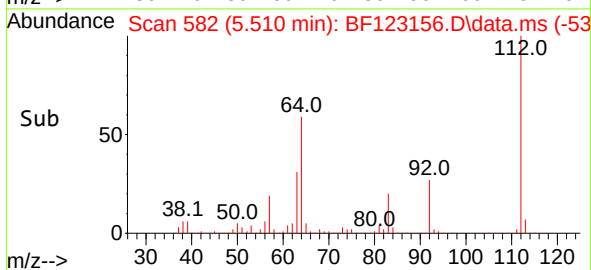
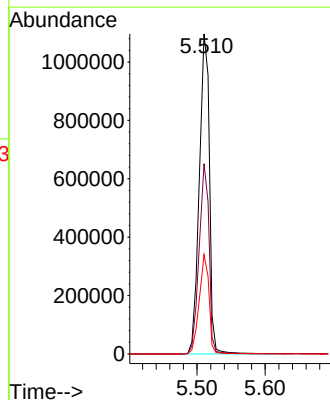
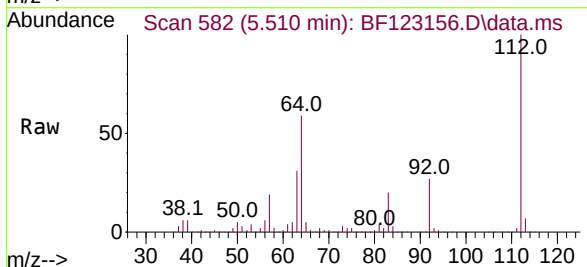
Instrument :
 BNA_F
 ClientSampleId :

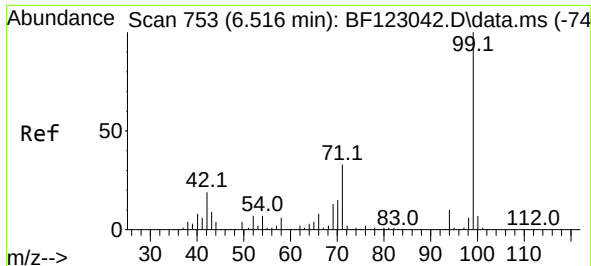
Tgt Ion:152 Resp: 202540
 Ion Ratio Lower Upper
 152 100
 150 158.3 125.8 188.6
 115 61.2 49.3 73.9



#5
 2-Fluorophenol
 Concen: 86.60 ng
 RT: 5.510 min Scan# 582
 Delta R.T. 0.006 min
 Lab File: BF123156.D
 Acq: 8 Feb 2021 21:59

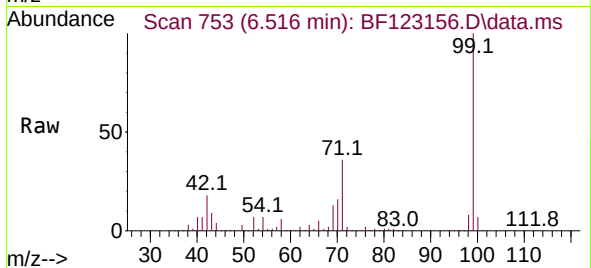
Tgt Ion:112 Resp: 1137124
 Ion Ratio Lower Upper
 112 100
 64 59.5 46.9 70.3
 63 31.1 24.5 36.7





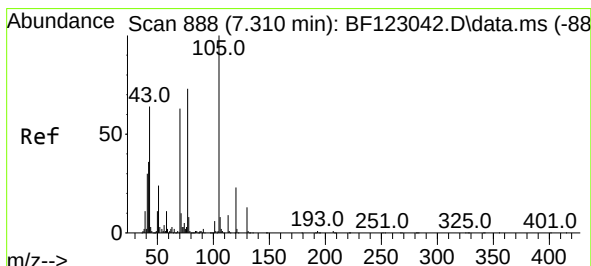
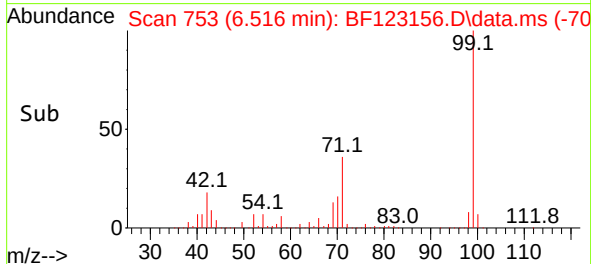
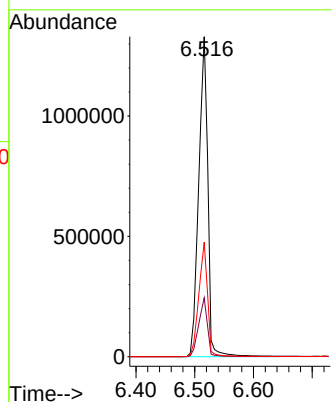
#7
Phenol-d6
Concen: 80.20 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Instrument :
BNA_F
ClientSampleId :

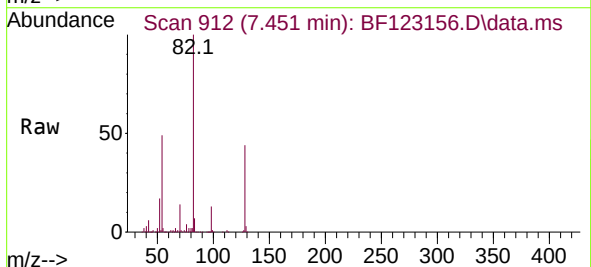


Tgt Ion: 99 Resp: 1427444

Ion	Ratio	Lower	Upper
99	100		
42	18.4	13.8	20.6
71	35.7	26.9	40.3

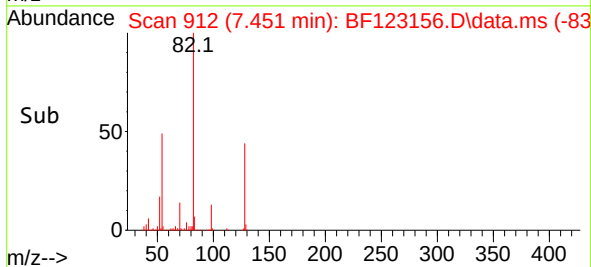
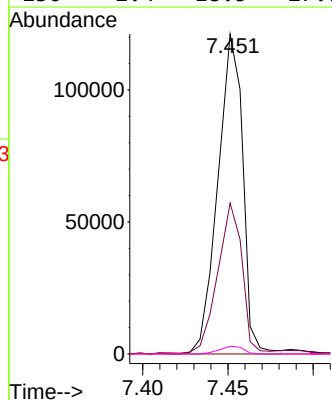


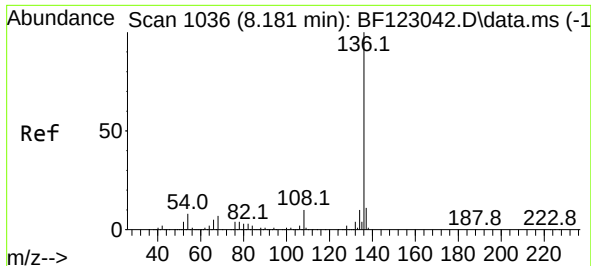
#19
n-Nitroso-di-n-propylamine
Concen: 11.52 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59



Tgt Ion: 70 Resp: 123251

Ion	Ratio	Lower	Upper
70	100		
42	47.1	43.0	64.4
101	0.0	7.9	11.9#
130	2.4	18.5	27.7#



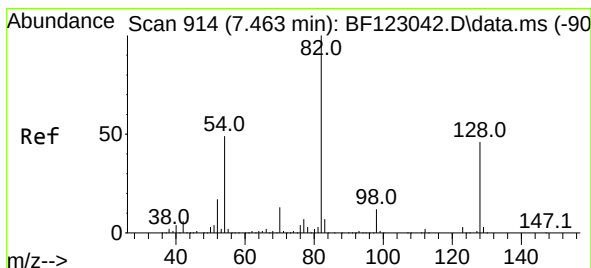
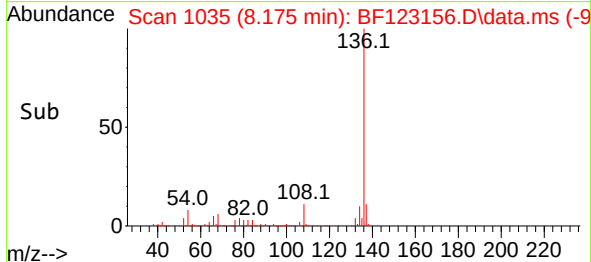
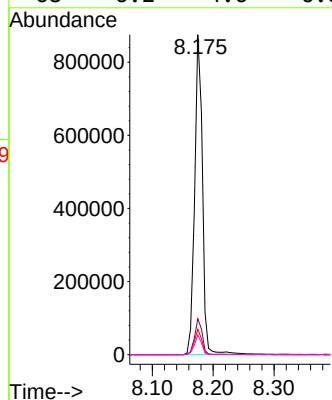
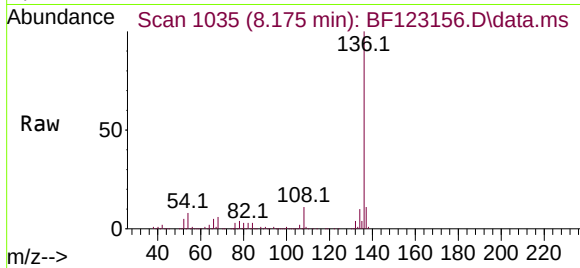


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 779410

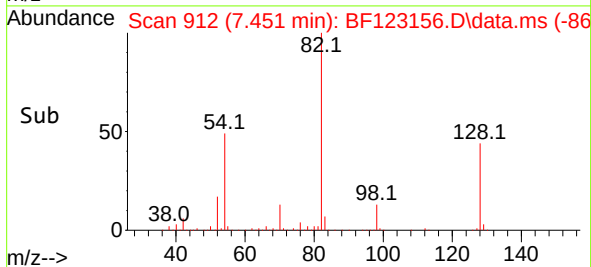
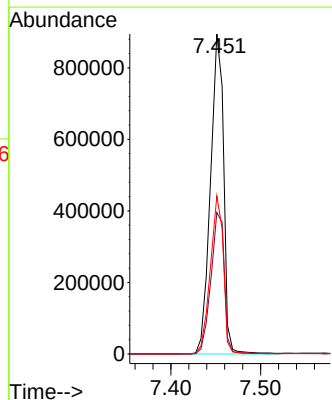
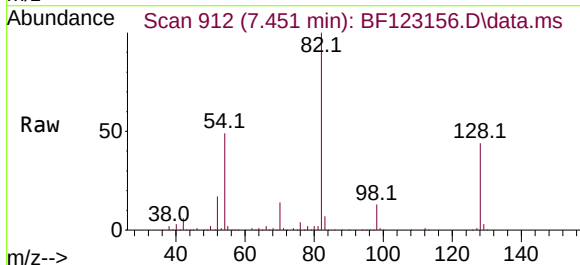
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	7.9	5.5	8.3
68	6.2	4.6	6.8

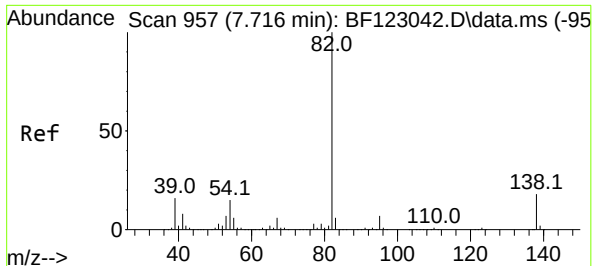


#23
Nitrobenzene-d5
Concen: 58.89 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Tgt Ion: 82 Resp: 912018

Ion	Ratio	Lower	Upper
82	100		
128	44.2	37.0	55.4
54	49.4	38.4	57.6

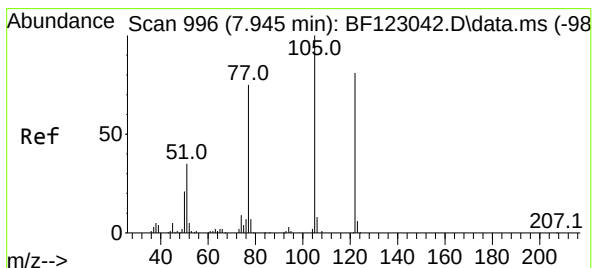
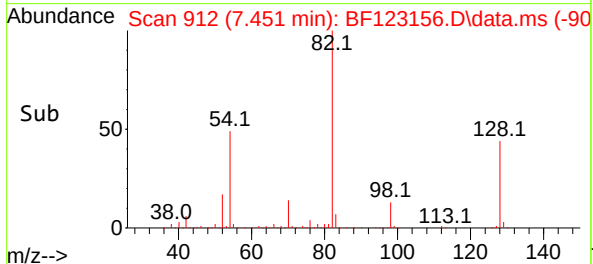
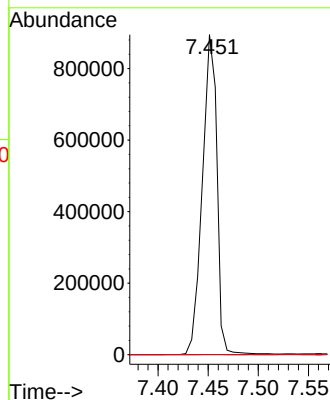
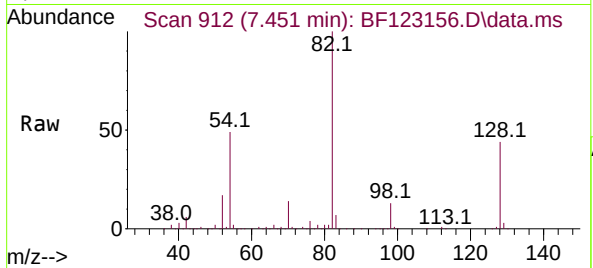




#25
Isophorone
Concen: 32.06 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.265 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

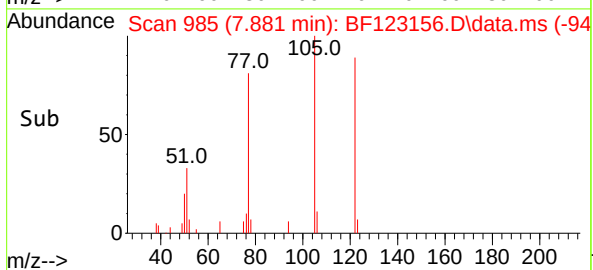
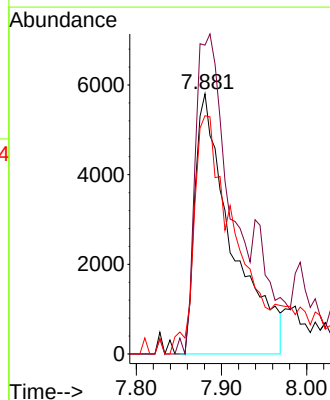
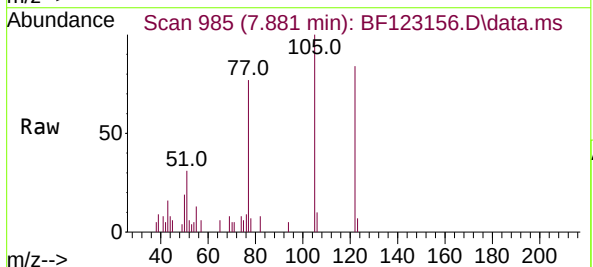
Instrument :
BNA_F
ClientSampleId :

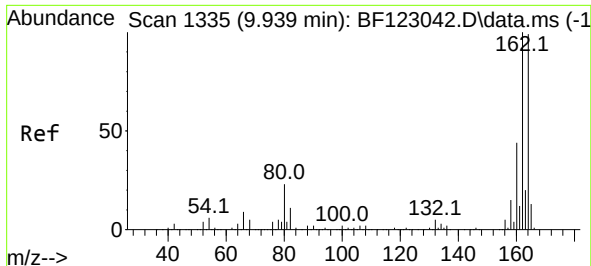
Tgt Ion: 82 Resp: 909366
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 6.54 ng
RT: 7.881 min Scan# 985
Delta R.T. -0.064 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Tgt Ion:122 Resp: 17314
Ion Ratio Lower Upper
122 100
105 118.7 104.8 144.8
77 91.6 71.0 111.0





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.933 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF123156.D

Acq: 8 Feb 2021 21:59

Tgt Ion:164 Resp: 414988

Ion Ratio Lower Upper

164 100

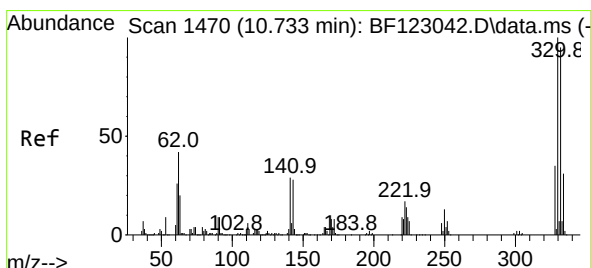
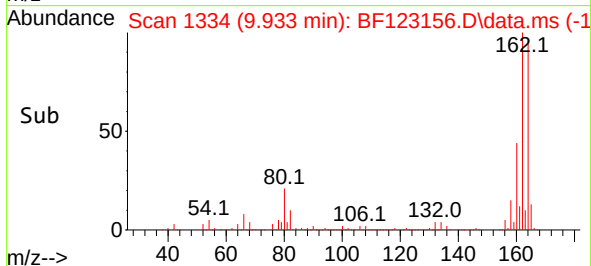
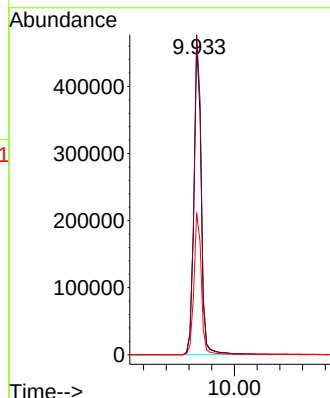
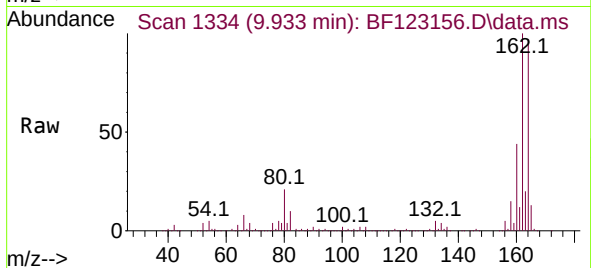
162 102.9 80.8 121.2

160 45.6 35.4 53.0

Instrument :

BNA_F

ClientSampled :



#42

2,4,6-Tribromophenol

Concen: 84.02 ng

RT: 10.727 min Scan# 1469

Delta R.T. -0.006 min

Lab File: BF123156.D

Acq: 8 Feb 2021 21:59

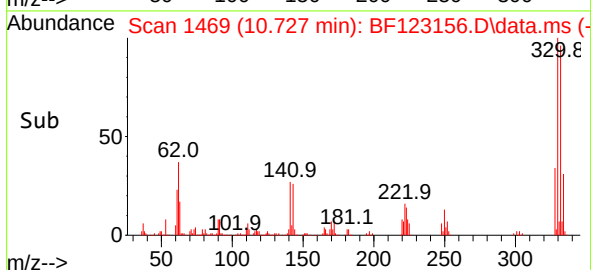
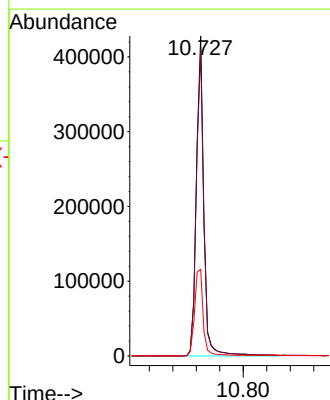
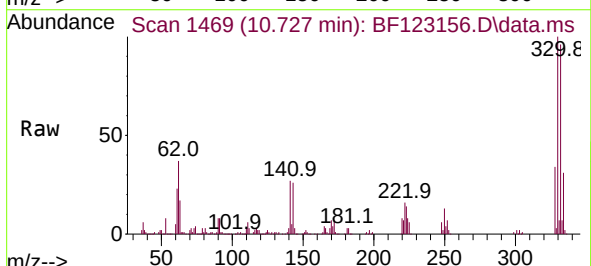
Tgt Ion:330 Resp: 378497

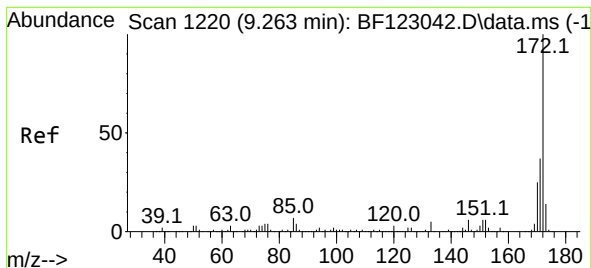
Ion Ratio Lower Upper

330 100

332 96.8 77.5 116.3

141 31.4 23.8 35.8

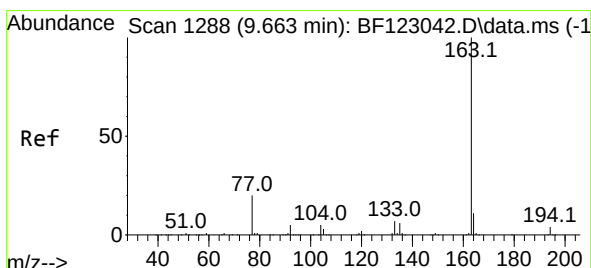
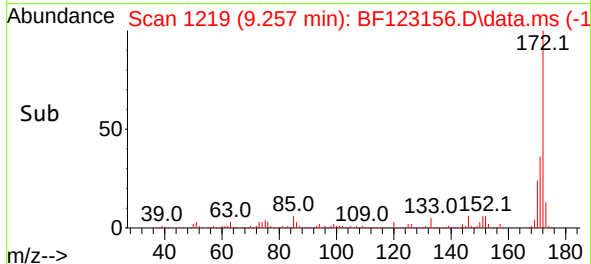
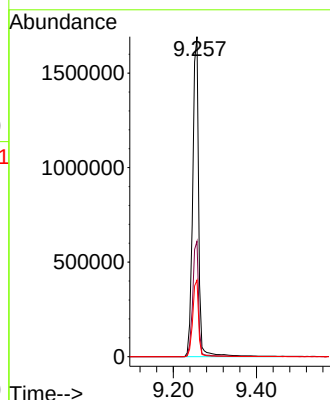
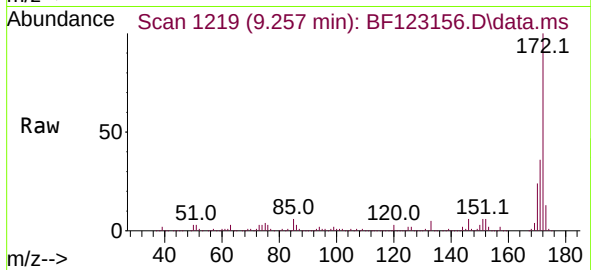




#45
2-Fluorobiphenyl
Concen: 60.86 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

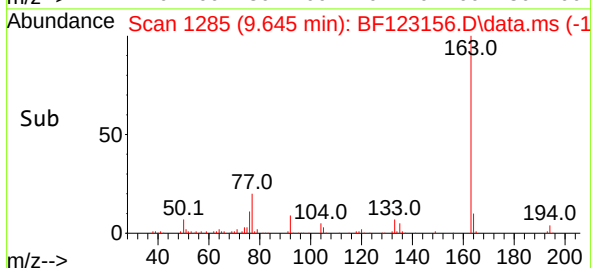
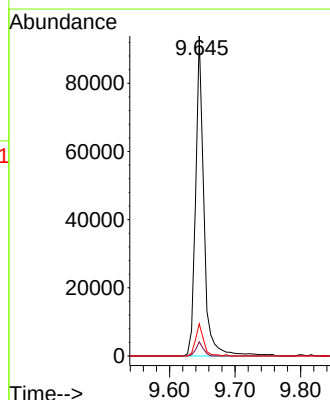
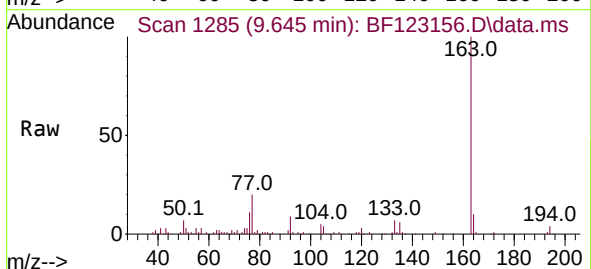
Instrument :
BNA_F
ClientSampleId :

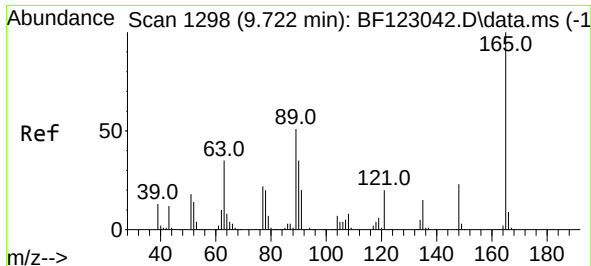
Tgt Ion:172 Resp: 1698905
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 23.9 19.5 29.3



#50
Dimethylphthalate
Concen: 2.55 ng
RT: 9.645 min Scan# 1285
Delta R.T. -0.018 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Tgt Ion:163 Resp: 82924
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.0
164 10.0 8.1 12.1

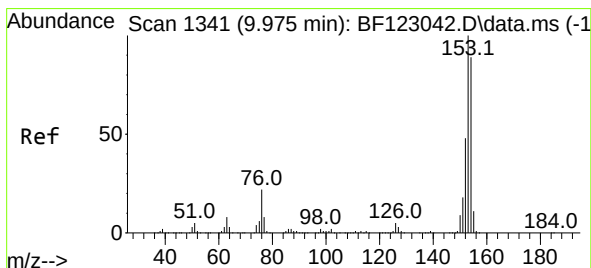
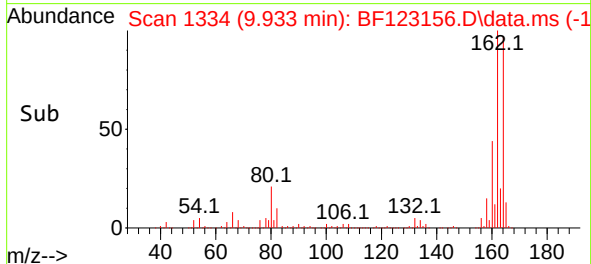
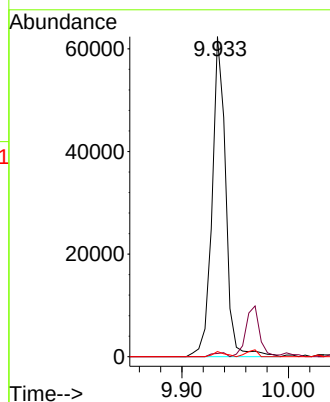
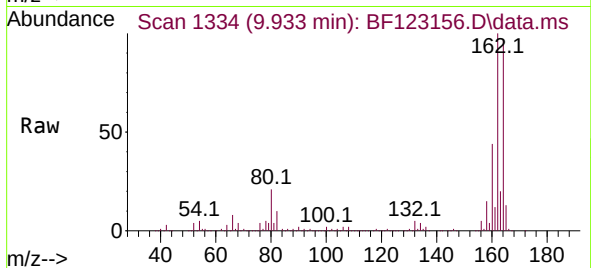




#51
2,6-Dinitrotoluene
Concen: 8.02 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.212 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

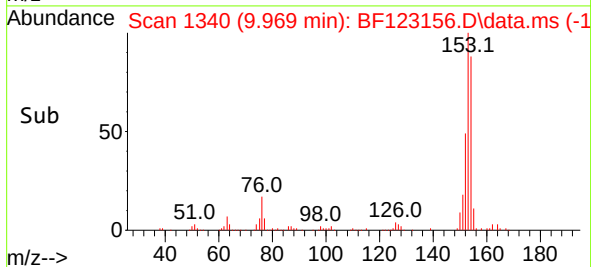
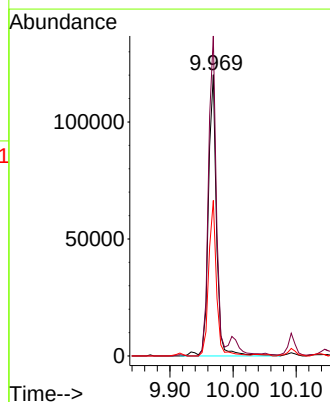
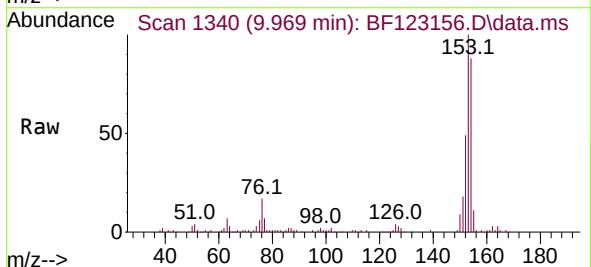
Instrument :
BNA_F
ClientSampleId :

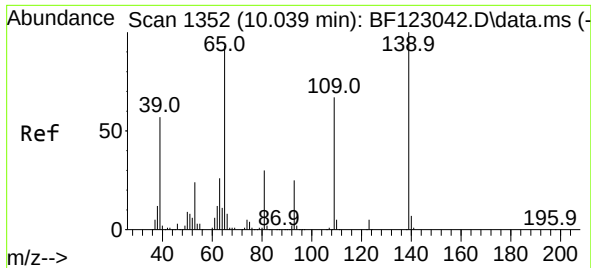
Tgt Ion:165 Resp: 55593
Ion Ratio Lower Upper
165 100
63 1.0 36.6 55.0#
89 1.6 39.4 59.0#



#52
Acenaphthene
Concen: 4.02 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Tgt Ion:154 Resp: 107683
Ion Ratio Lower Upper
154 100
153 113.8 89.0 133.6
152 55.3 42.7 64.1

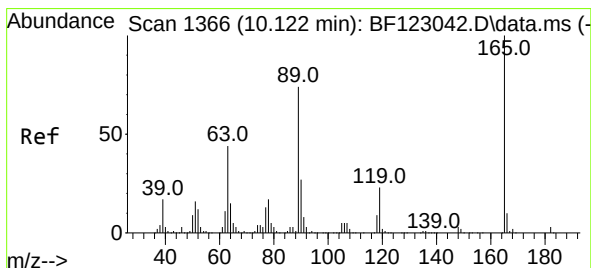
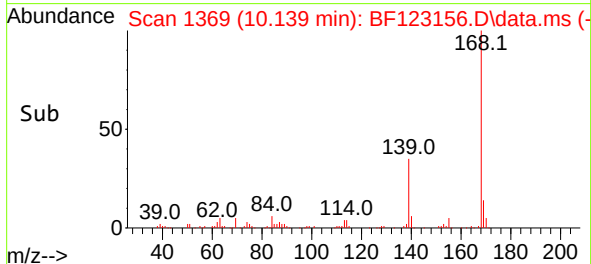
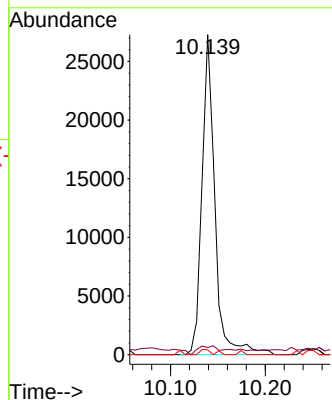
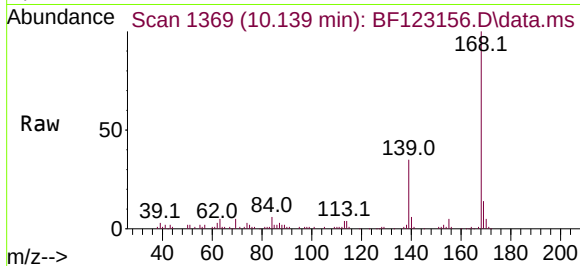




#56
4-Nitrophenol
Concen: 4.36 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.100 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

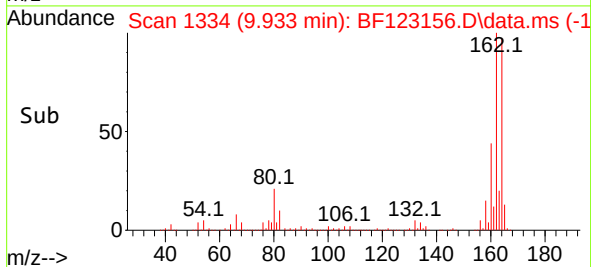
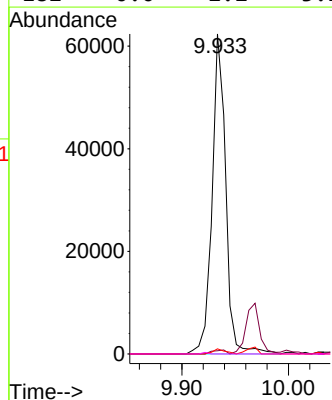
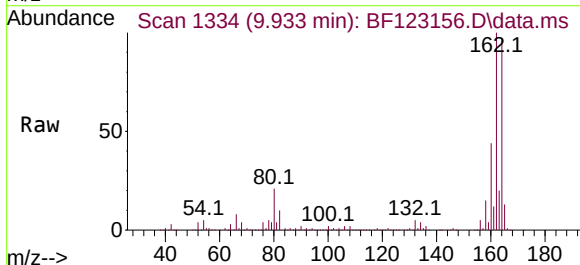
Instrument :
BNA_F
ClientSampleId :

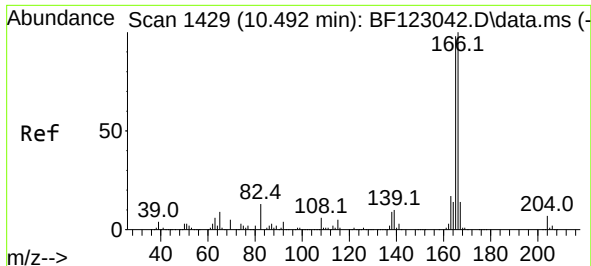
Tgt Ion:139 Resp: 25849
Ion Ratio Lower Upper
139 100
109 2.3 45.1 85.1#
65 1.5 59.2 99.2#



#57
2,4-Dinitrotoluene
Concen: 6.16 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.188 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Tgt Ion:165 Resp: 55593
Ion Ratio Lower Upper
165 100
63 1.0 34.3 51.5#
89 1.6 55.2 82.8#
182 0.0 2.2 3.2#

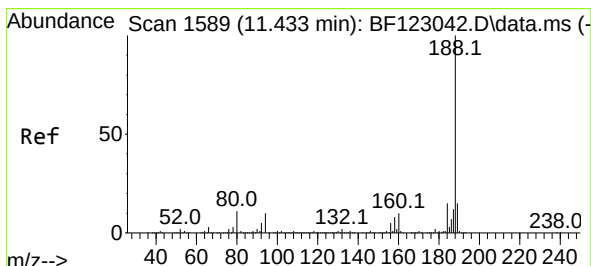
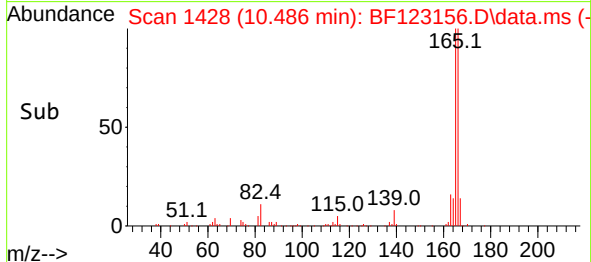
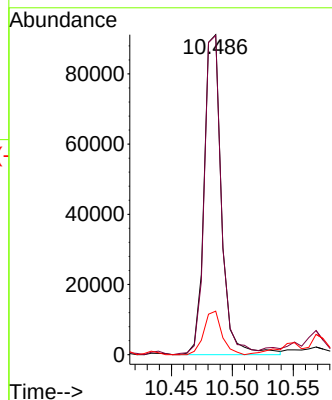
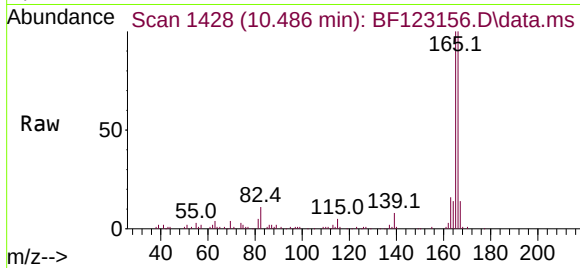




#58
Fluorene
Concen: 2.90 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

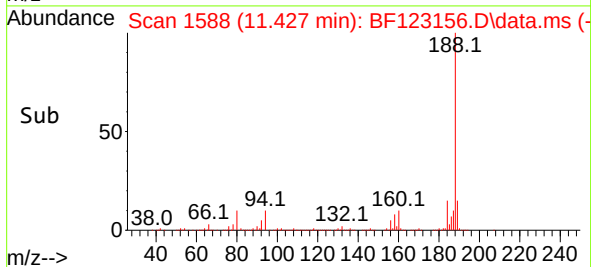
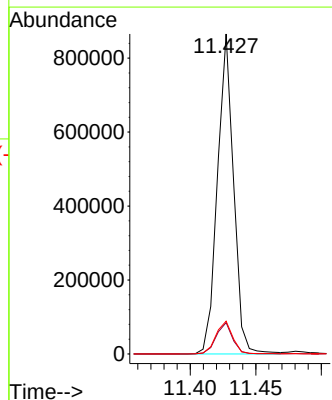
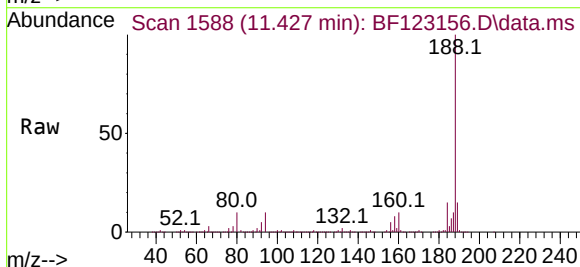
Instrument :
BNA_F
ClientSampleId :

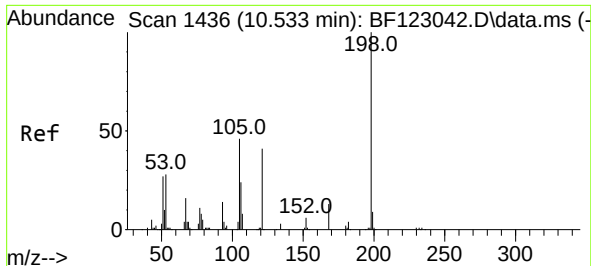
Tgt Ion:166 Resp: 90234
Ion Ratio Lower Upper
166 100
165 99.8 79.4 119.0
167 13.6 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Tgt Ion:188 Resp: 740883
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 10.3 8.2 12.4

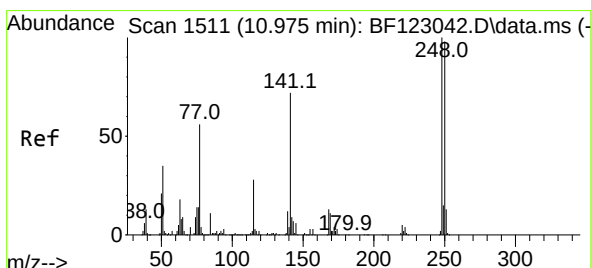
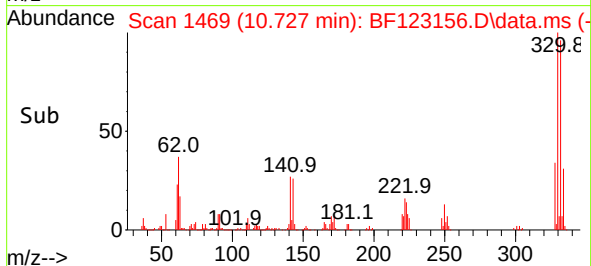
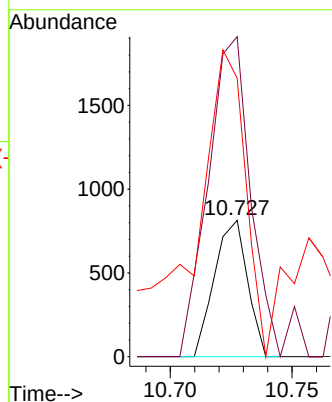
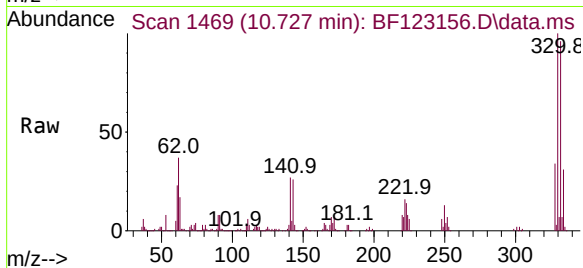




#65
4,6-Dinitro-2-methylphenol
Concen: 5.14 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.194 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

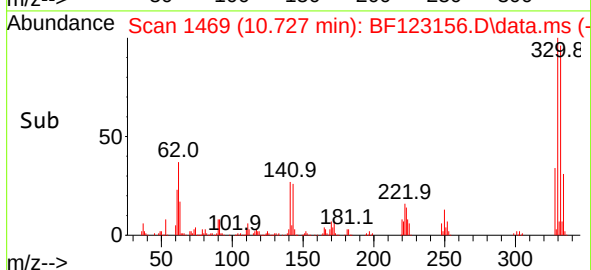
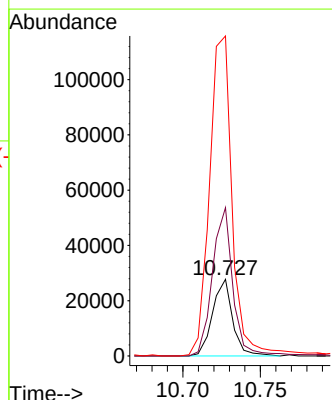
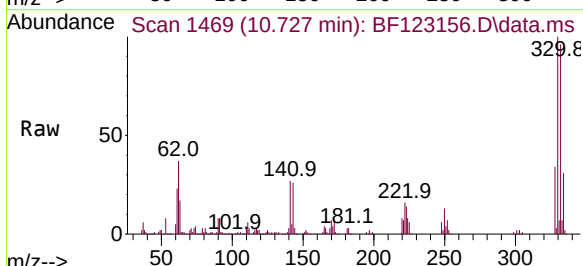
Instrument :
BNA_F
ClientSampled :

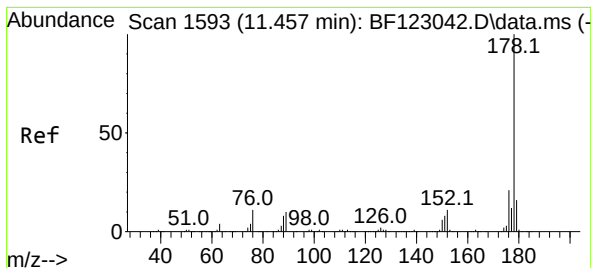
Tgt Ion:198 Resp: 766
Ion Ratio Lower Upper
198 100
51 234.6 20.3 60.3#
105 204.2 23.0 63.0#



#67
4-Bromophenyl-phenylether
Concen: 2.65 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Tgt Ion:248 Resp: 25034
Ion Ratio Lower Upper
248 100
250 193.5 76.8 115.2#
141 417.5 59.8 89.8#





#71

Phenanthrene

Concen: 10.45 ng

RT: 11.451 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF123156.D

Acq: 8 Feb 2021 21:59

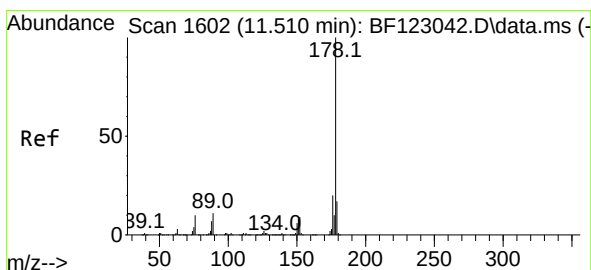
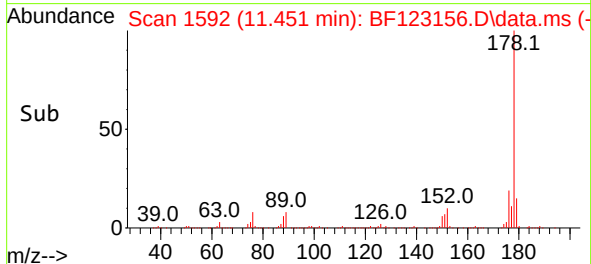
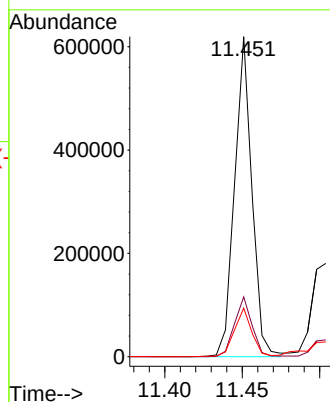
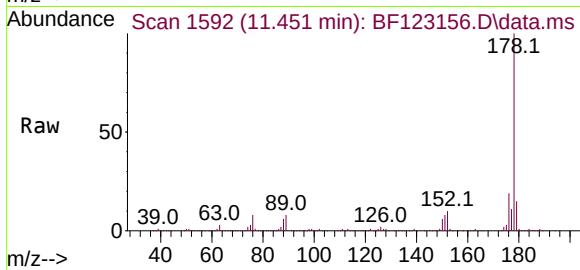
Tgt Ion:178 Resp: 480992

Ion Ratio Lower Upper

178 100

176 18.7 16.2 24.2

179 15.2 12.7 19.1



#72

Anthracene

Concen: 3.65 ng

RT: 11.504 min Scan# 1601

Delta R.T. -0.006 min

Lab File: BF123156.D

Acq: 8 Feb 2021 21:59

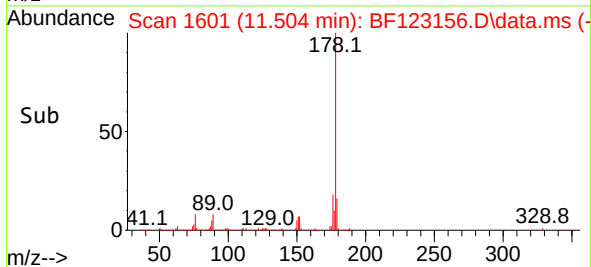
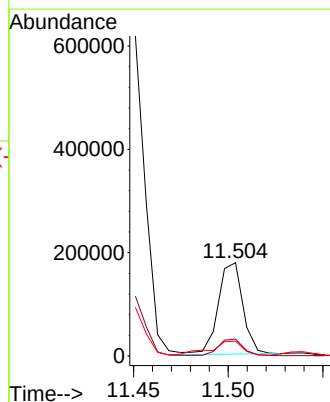
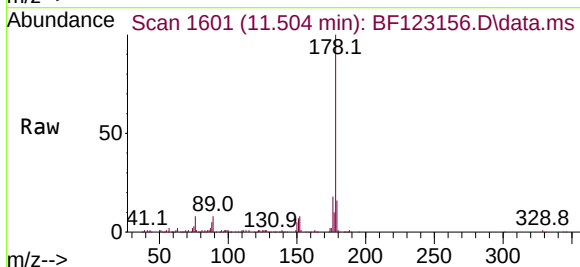
Tgt Ion:178 Resp: 161170

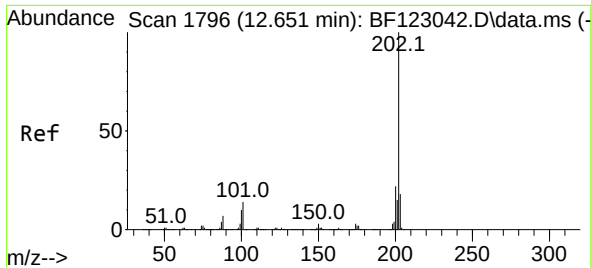
Ion Ratio Lower Upper

178 100

176 18.0 15.6 23.4

179 15.7 12.8 19.2

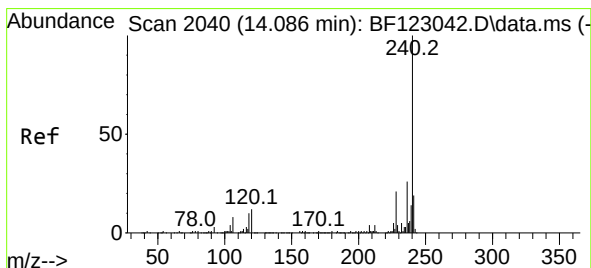
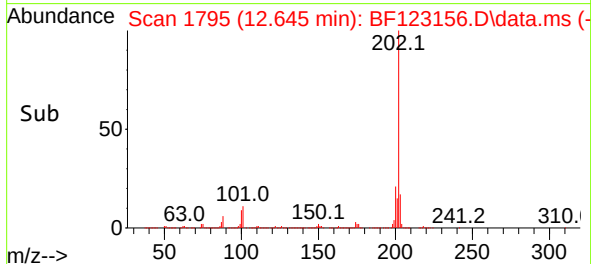
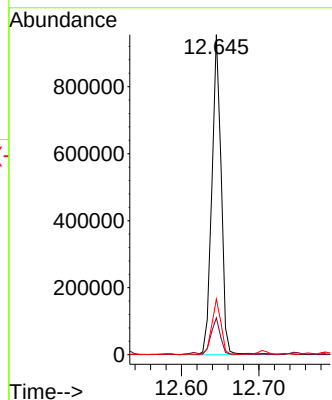
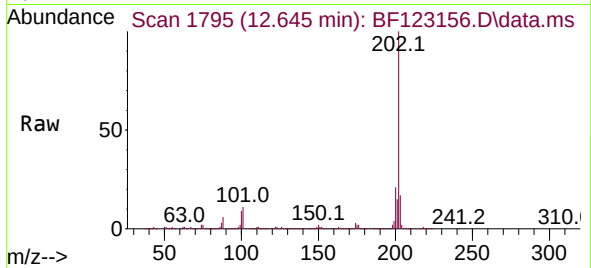




#75
Fluoranthene
Concen: 17.36 ng
RT: 12.645 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

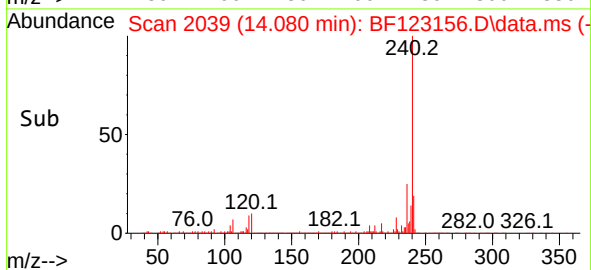
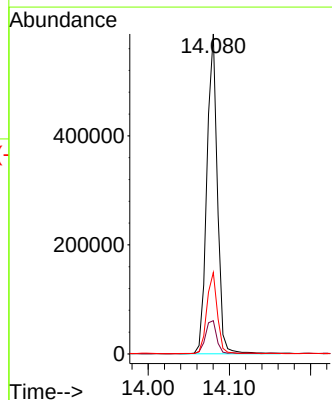
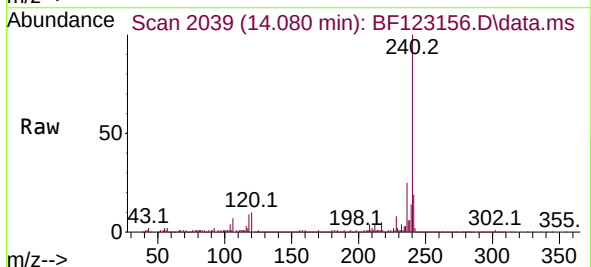
Instrument :
BNA_F
ClientSampleId :

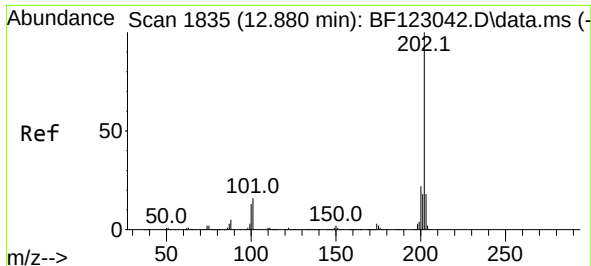
Tgt Ion:202 Resp: 798211
Ion Ratio Lower Upper
202 100
101 11.5 0.0 32.2
203 17.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Tgt Ion:240 Resp: 526178
Ion Ratio Lower Upper
240 100
120 10.4 8.6 12.8
236 25.5 20.3 30.5

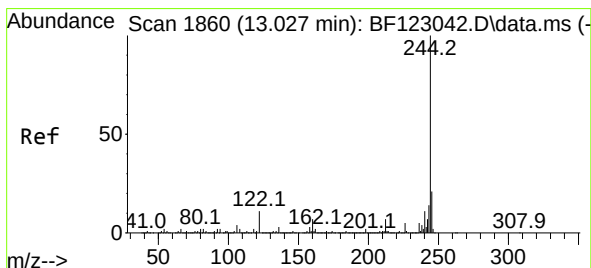
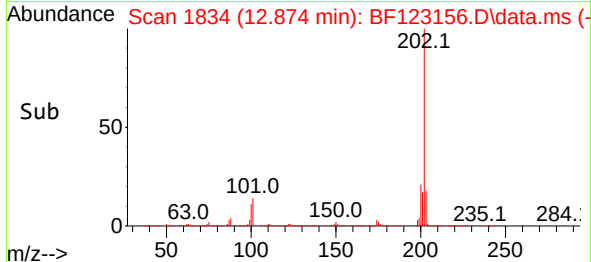
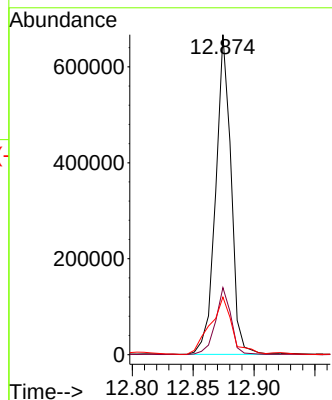
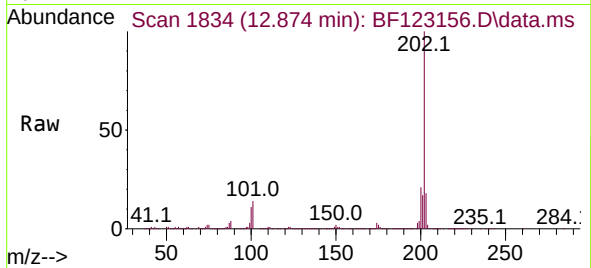




#78
Pyrene
Concen: 14.77 ng
RT: 12.874 min Scan# 1834
Delta R.T. -0.006 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

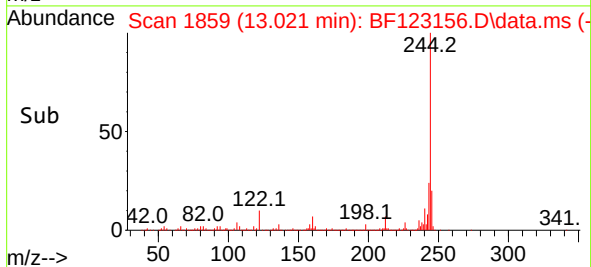
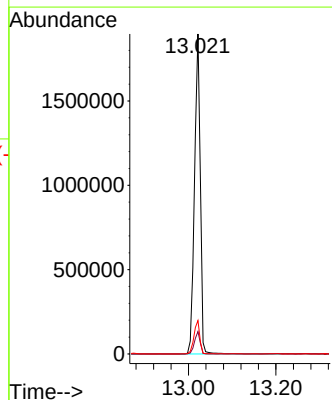
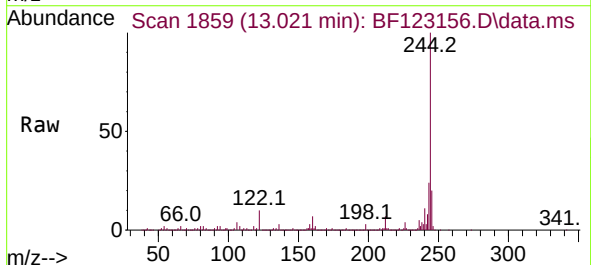
Instrument :
BNA_F
ClientSampleId :

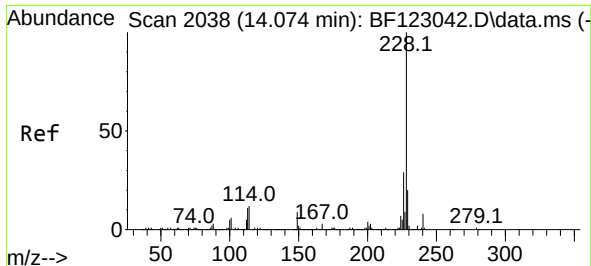
Tgt Ion:202 Resp: 586755
Ion Ratio Lower Upper
202 100
200 21.0 17.6 26.4
203 18.0 14.6 21.8



#79
Terphenyl-d14
Concen: 65.05 ng
RT: 13.021 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Tgt Ion:244 Resp: 1742111
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.4 8.3 12.5

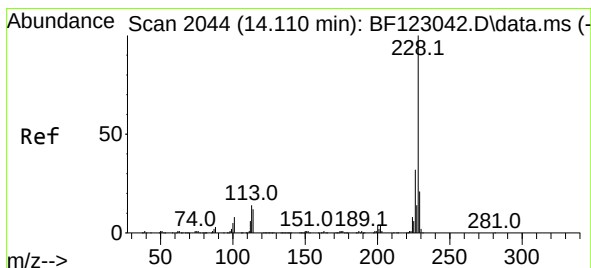
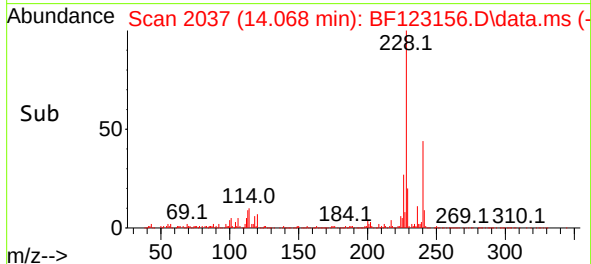
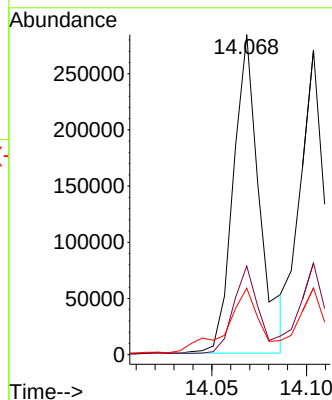
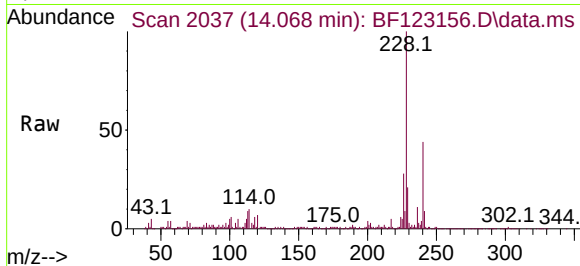




#81
Benzo(a)anthracene
Concen: 7.69 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

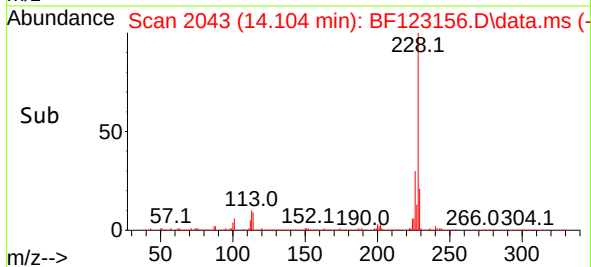
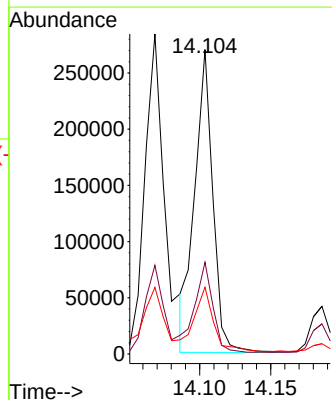
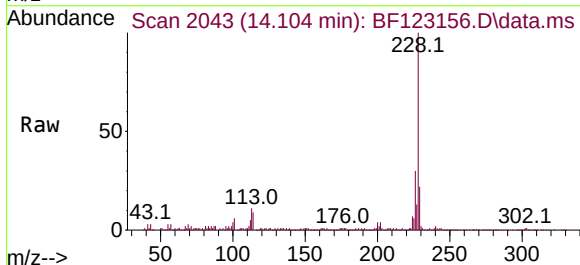
Instrument :
BNA_F
ClientSampleId :

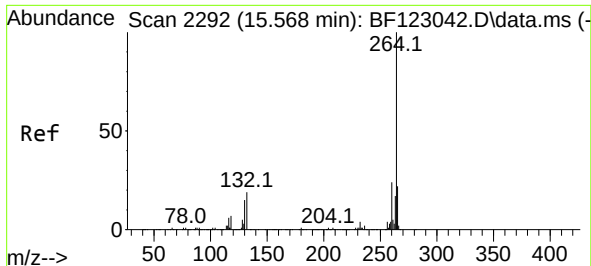
Tgt Ion:228 Resp: 273912
Ion Ratio Lower Upper
228 100
226 27.7 23.0 34.4
229 20.8 16.6 24.8



#83
Chrysene
Concen: 6.73 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Tgt Ion:228 Resp: 239998
Ion Ratio Lower Upper
228 100
226 30.1 24.6 36.8
229 21.9 15.8 23.6

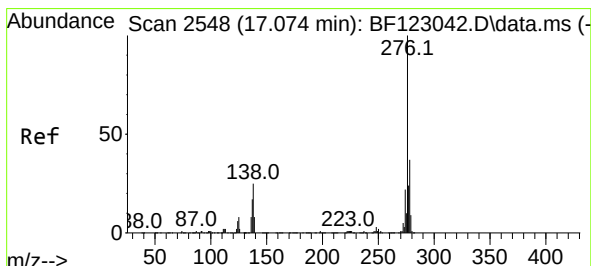
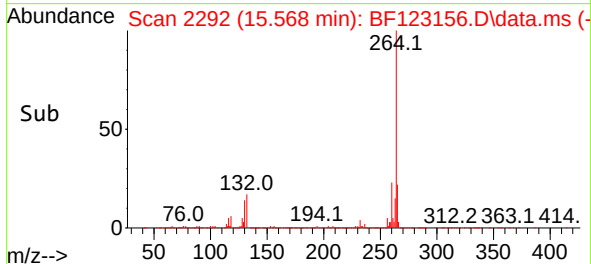
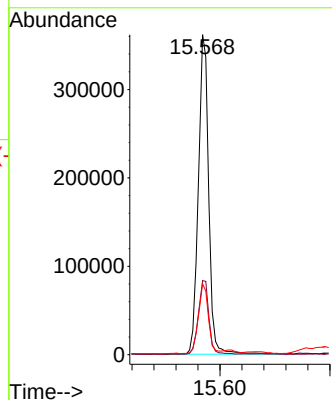
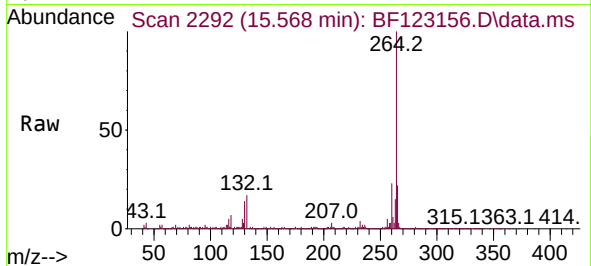




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

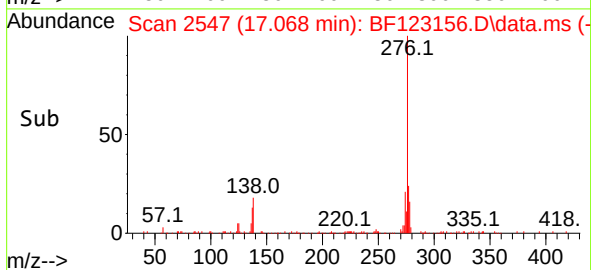
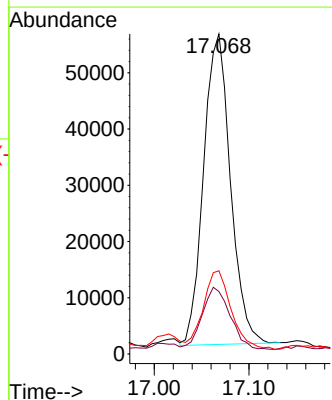
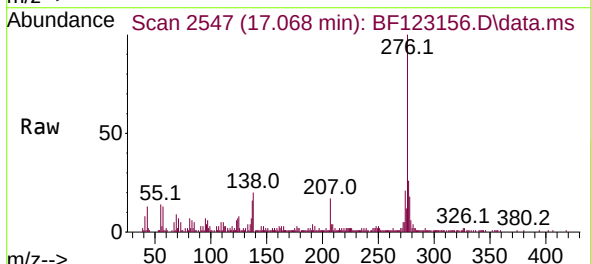
Instrument :
BNA_F
ClientSampleId :

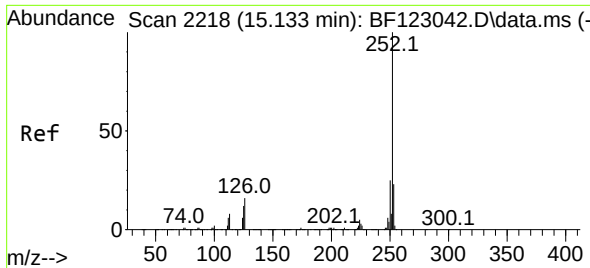
Tgt Ion:264 Resp: 471328
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 22.1 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.47 ng
RT: 17.068 min Scan# 2547
Delta R.T. -0.006 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Tgt Ion:276 Resp: 108771
Ion Ratio Lower Upper
276 100
138 21.0 18.7 28.1
277 26.3 20.2 30.4

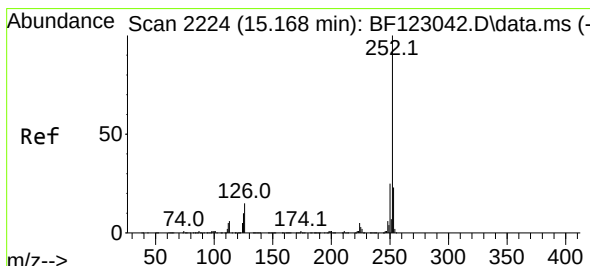
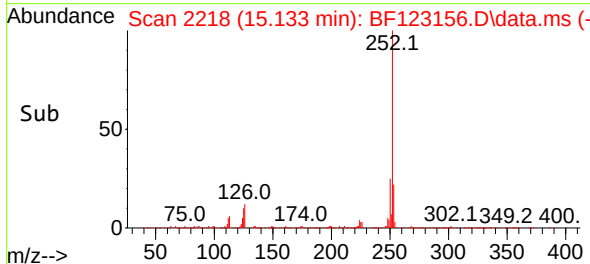
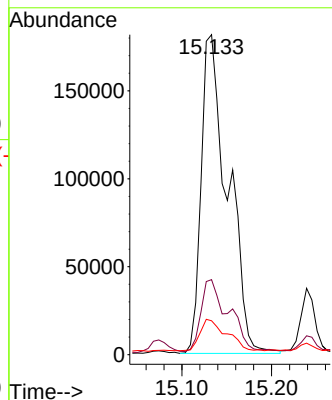
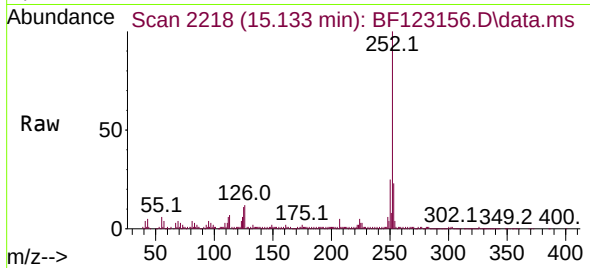




#88
Benzo(b)fluoranthene
Concen: 10.96 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.000 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

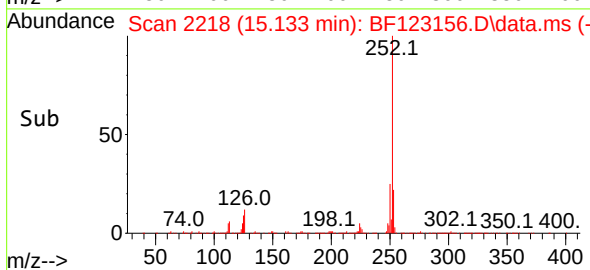
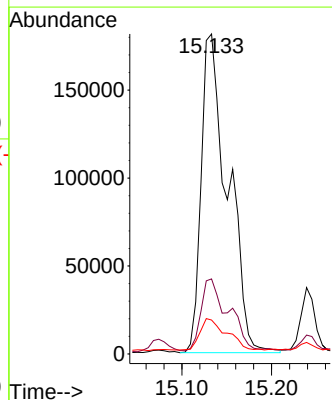
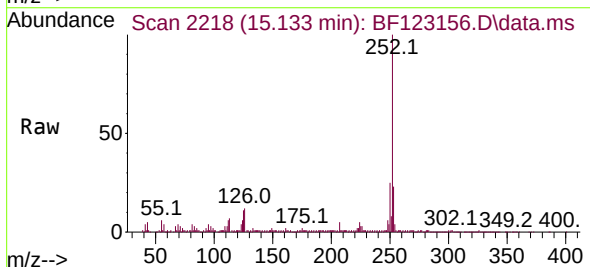
Instrument :
BNA_F
ClientSampleId :

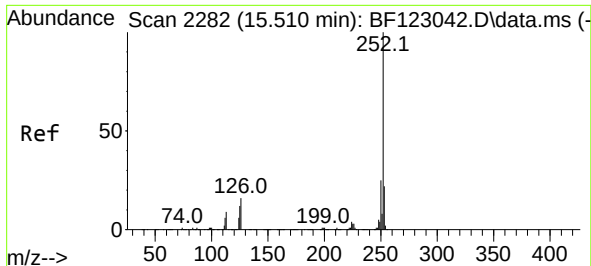
Tgt Ion:252 Resp: 372760
Ion Ratio Lower Upper
252 100
253 23.5 18.3 27.5
125 10.6 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 11.79 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.035 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Tgt Ion:252 Resp: 372760
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 10.6 8.4 12.6

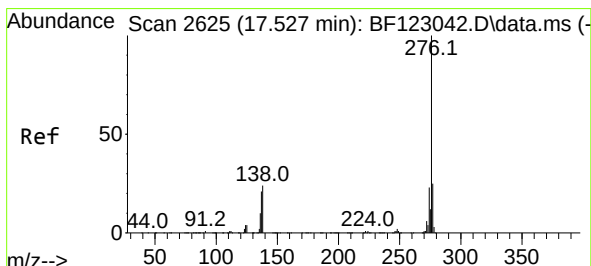
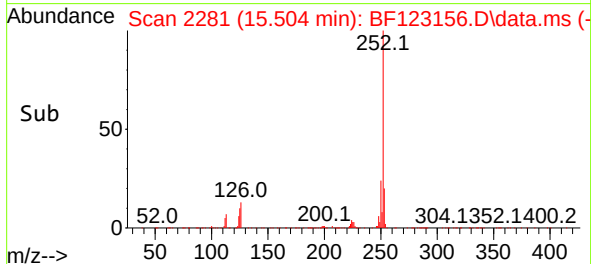
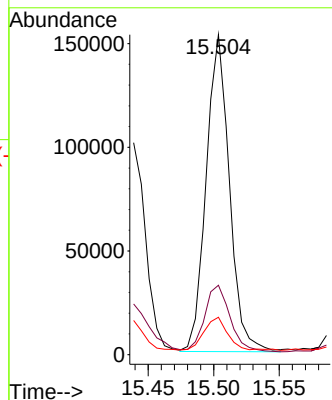
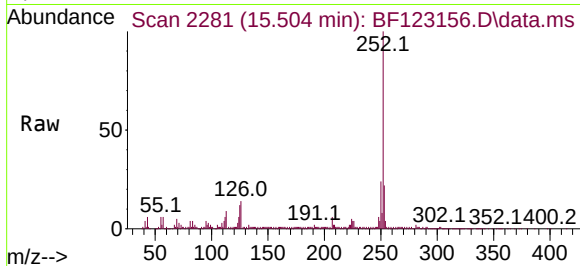




#90
Benzo(a)pyrene
Concen: 6.32 ng
RT: 15.504 min Scan# 2281
Delta R.T. -0.006 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 188892
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 11.7 8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 4.23 ng
RT: 17.521 min Scan# 2624
Delta R.T. -0.006 min
Lab File: BF123156.D
Acq: 8 Feb 2021 21:59

Tgt Ion:276 Resp: 105799
Ion Ratio Lower Upper
276 100
277 23.7 19.3 28.9
138 21.2 16.6 24.8

