

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020821\
 Data File : BF123153.D
 Acq On : 8 Feb 2021 20:24
 Operator : JU/CG
 Sample : M1331-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 09 00:32:16 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)

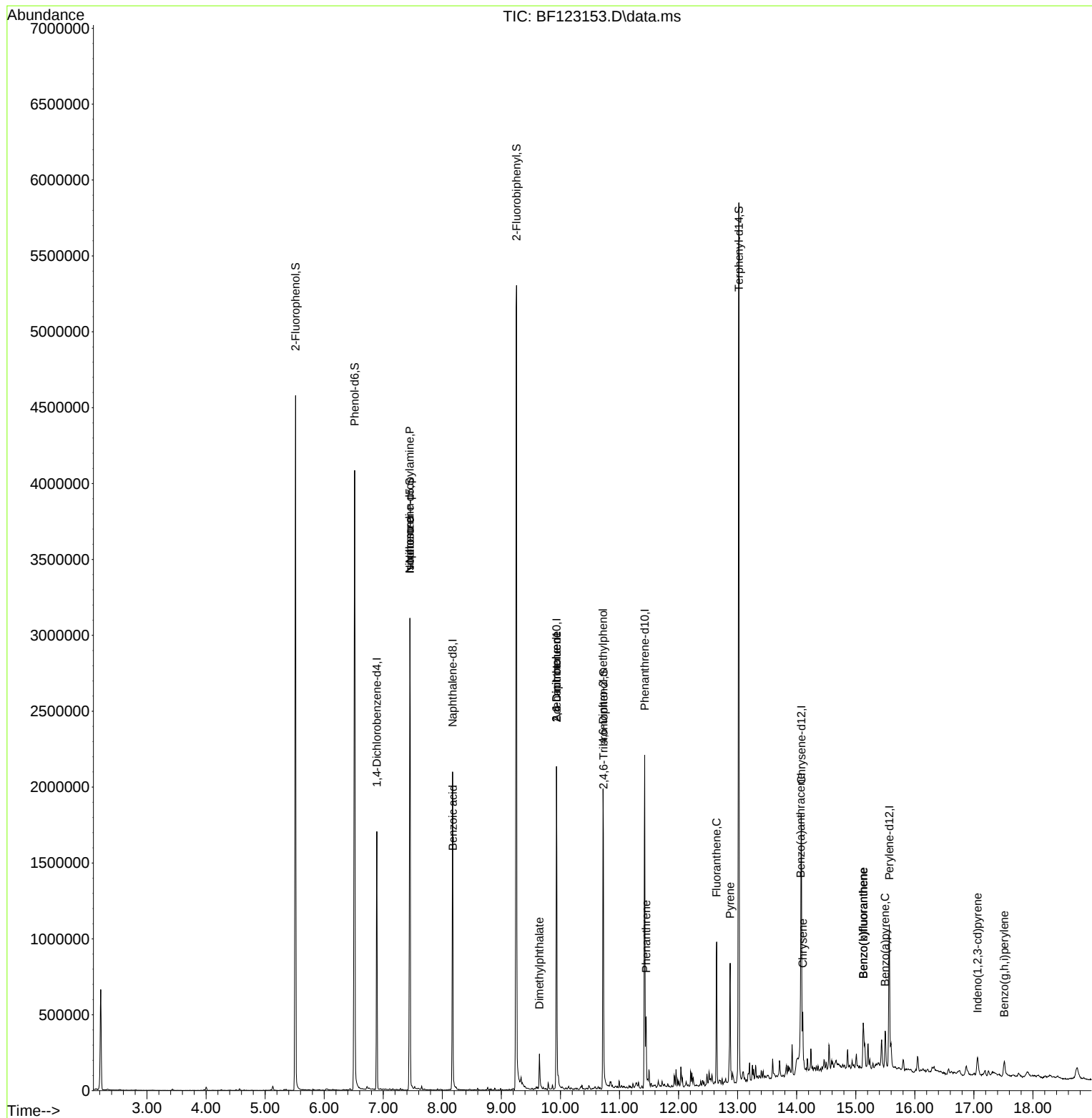
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	241286	20.00	ng	0.00
21) Naphthalene-d8	8.175	136	925010	20.00	ng	0.00
39) Acenaphthene-d10	9.933	164	475442	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	828248	20.00	ng	0.00
76) Chrysene-d12	14.080	240	556976	20.00	ng	0.00
86) Perylene-d12	15.568	264	465665	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1321060	84.46	ng	0.01
7) Phenol-d6	6.516	99	1720457	81.15	ng	0.00
23) Nitrobenzene-d5	7.451	82	1129224	61.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	273860	53.06	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2030446	63.49	ng	0.00
79) Terphenyl-d14	13.021	244	1882887	66.42	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	154671	12.13	ng	# 80
25) Isophorone	7.451	82	1126663	33.46	ng	# 65
32) Benzoic acid	8.181	122	228	4.93	ng	# 1
50) Dimethylphthalate	9.645	163	111431	2.99	ng	99
51) 2,6-Dinitrotoluene	9.933	165	61192	7.70	ng	# 31
57) 2,4-Dinitrotoluene	9.933	165	62032	6.00	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.722	198	539	5.08	ng	# 1
71) Phenanthrene	11.451	178	167370	3.25	ng	97
75) Fluoranthene	12.645	202	374907	7.29	ng	97
78) Pyrene	12.874	202	321494	7.65	ng	99
81) Benzo(a)anthracene	14.068	228	146858	3.90	ng	95
83) Chrysene	14.104	228	146821	3.89	ng	97
87) Indeno(1,2,3-cd)pyrene	17.062	276	81633	2.63	ng	97
88) Benzo(b)fluoranthene	15.127	252	235231	7.00	ng	99
89) Benzo(k)fluoranthene	15.127	252	235231	7.53	ng	98
90) Benzo(a)pyrene	15.498	252	121672	4.12	ng	98
92) Benzo(g,h,i)perylene	17.515	276	85239	3.45	ng	97

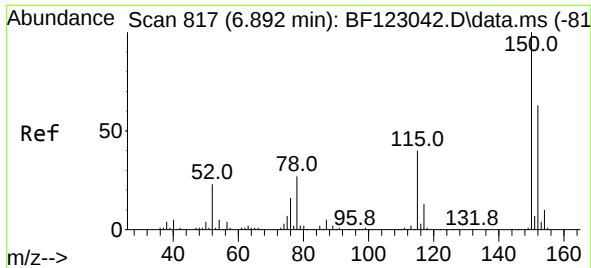
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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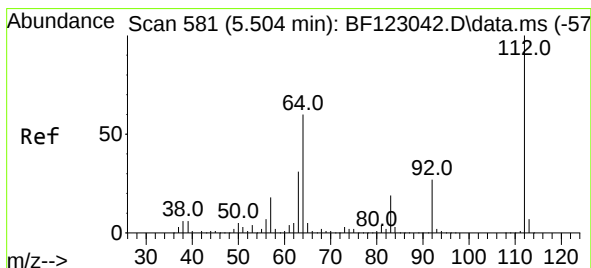
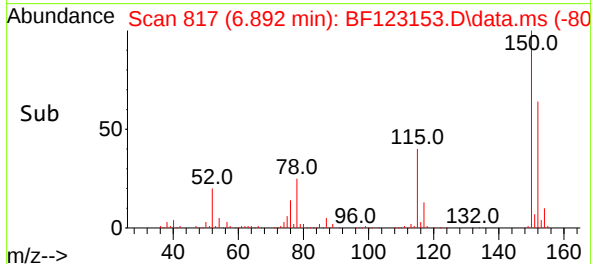
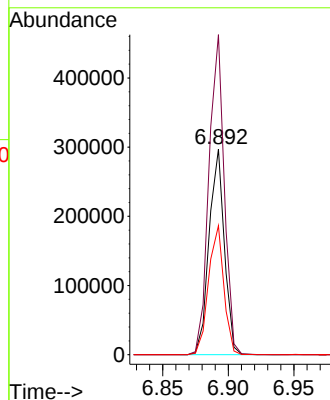
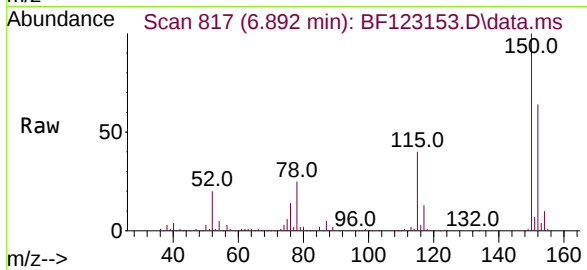




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.892 min Scan# 817
 Delta R.T. 0.000 min
 Lab File: BF123153.D
 Acq: 8 Feb 2021 20:24

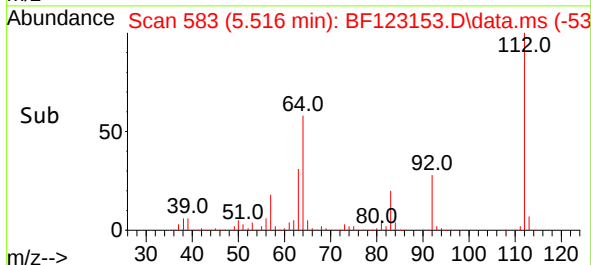
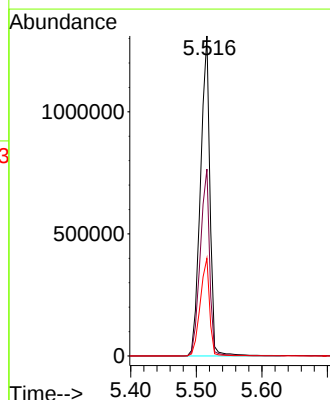
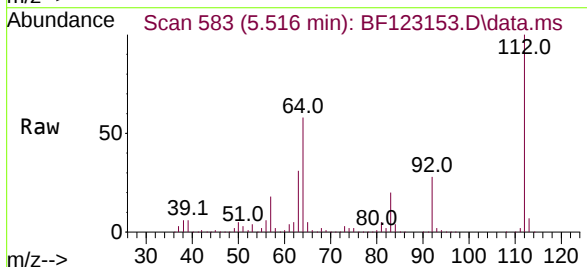
Instrument :
 BNA_F
 ClientSampleId :

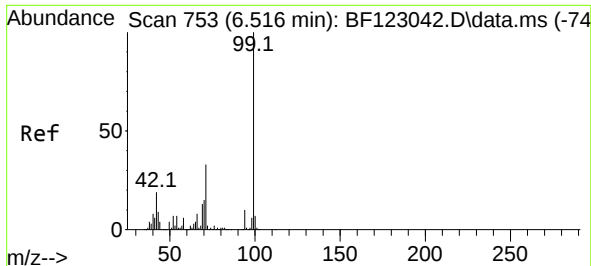
Tgt Ion:152 Resp: 241286
 Ion Ratio Lower Upper
 152 100
 150 155.6 125.8 188.6
 115 62.7 49.3 73.9



#5
 2-Fluorophenol
 Concen: 84.46 ng
 RT: 5.516 min Scan# 583
 Delta R.T. 0.012 min
 Lab File: BF123153.D
 Acq: 8 Feb 2021 20:24

Tgt Ion:112 Resp: 1321060
 Ion Ratio Lower Upper
 112 100
 64 58.4 46.9 70.3
 63 30.5 24.5 36.7



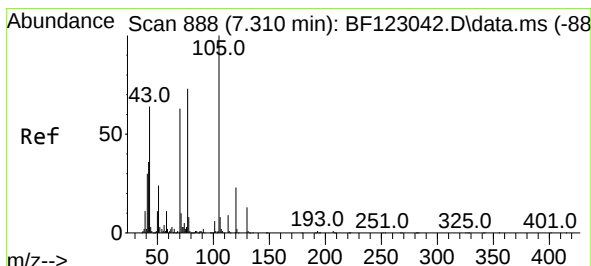
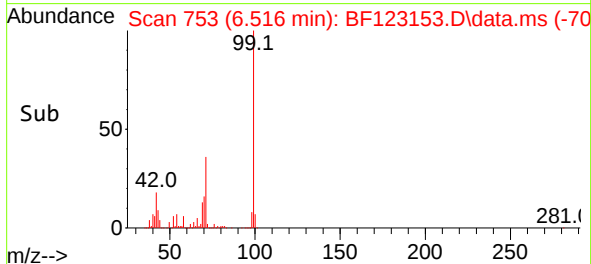
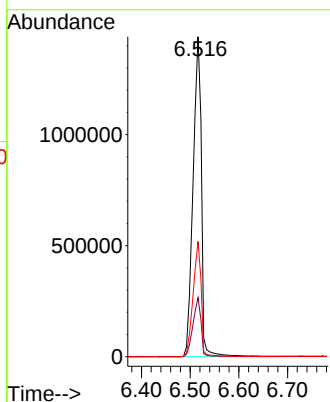
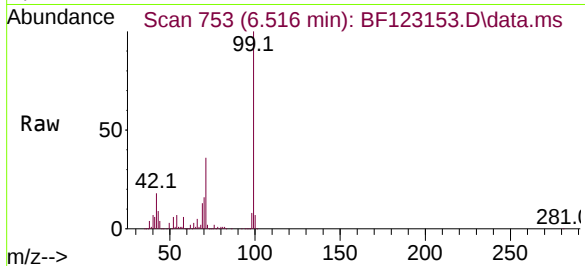


#7
Phenol-d6
Concen: 81.15 ng
RT: 6.516 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 1720457

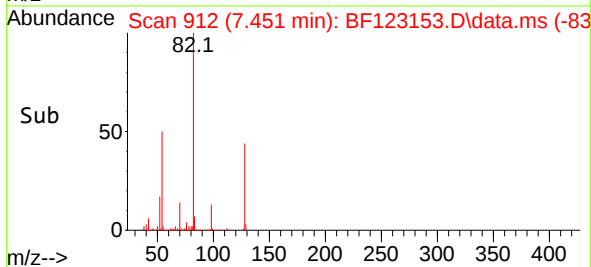
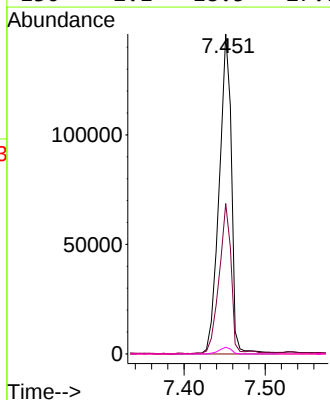
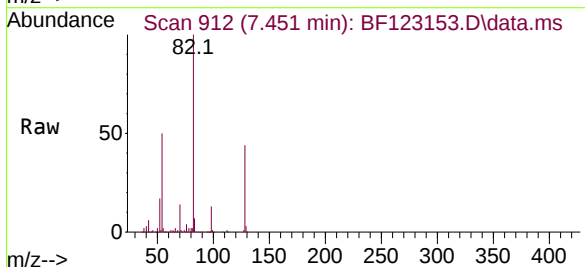
Ion	Ratio	Lower	Upper
99	100		
42	18.4	13.8	20.6
71	36.0	26.9	40.3

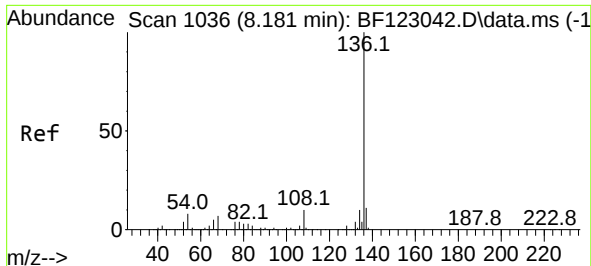


#19
n-Nitroso-di-n-propylamine
Concen: 12.13 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

Tgt Ion: 70 Resp: 154671

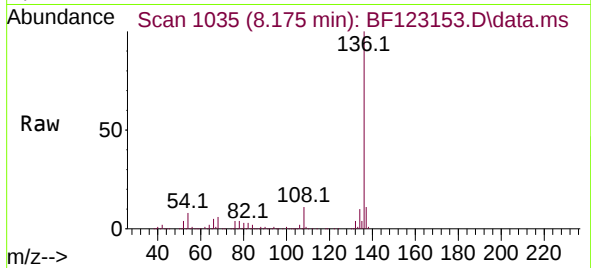
Ion	Ratio	Lower	Upper
70	100		
42	47.0	43.0	64.4
101	0.0	7.9	11.9#
130	2.1	18.5	27.7#





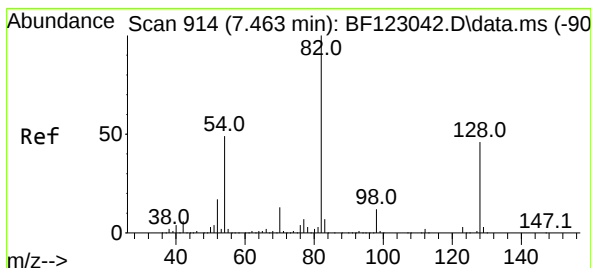
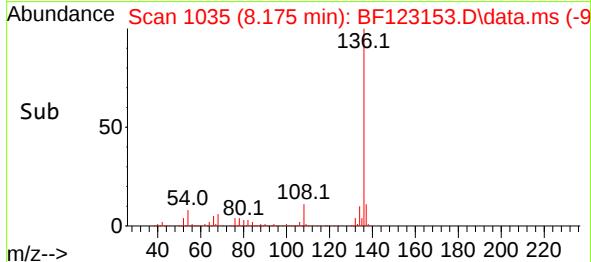
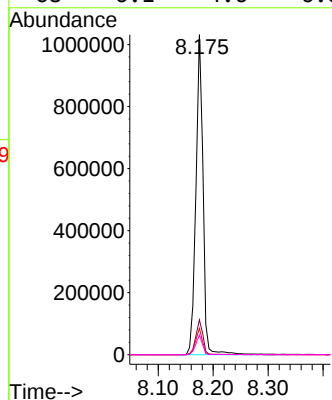
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

Instrument :
BNA_F
ClientSampleId :



Tgt Ion:136 Resp: 925010

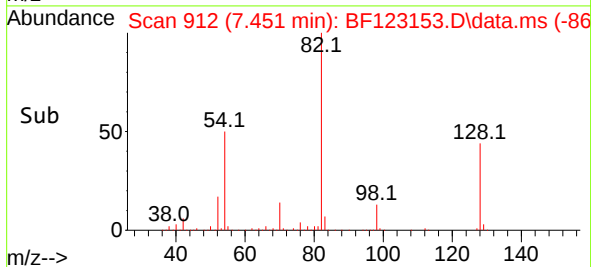
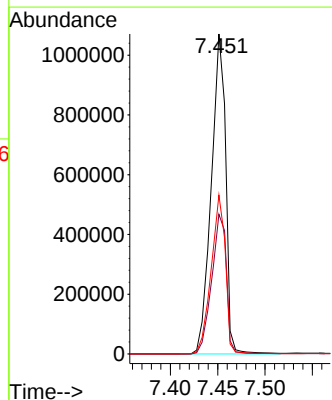
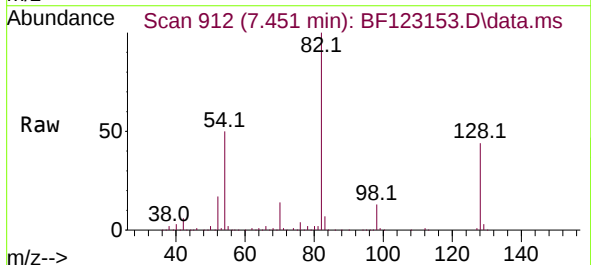
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.2	5.5	8.3
68	6.1	4.6	6.8

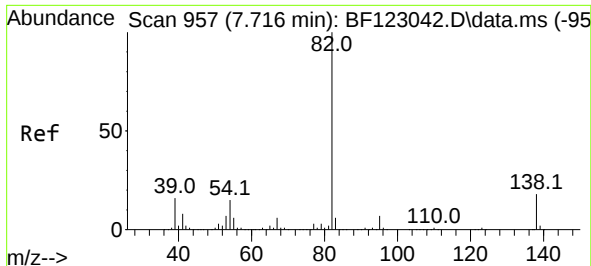


#23
Nitrobenzene-d5
Concen: 61.44 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

Tgt Ion: 82 Resp: 1129224

Ion	Ratio	Lower	Upper
82	100		
128	43.6	37.0	55.4
54	49.7	38.4	57.6

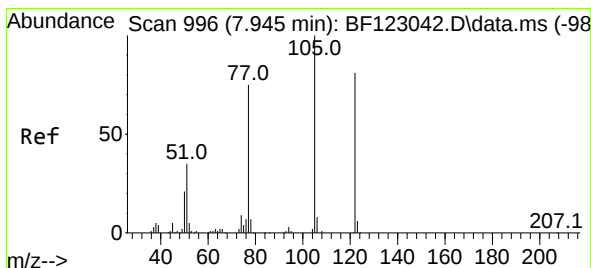
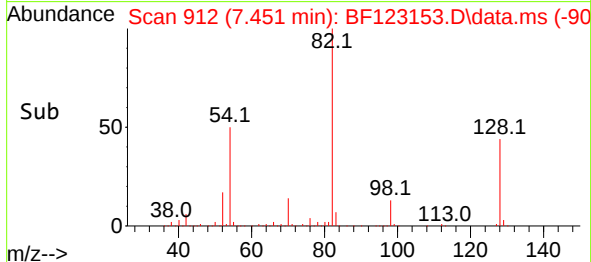
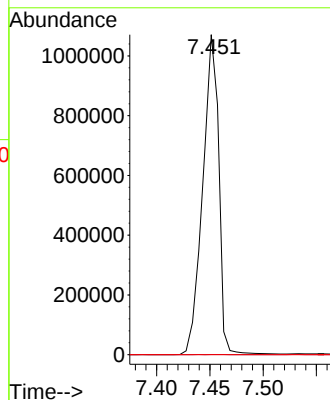
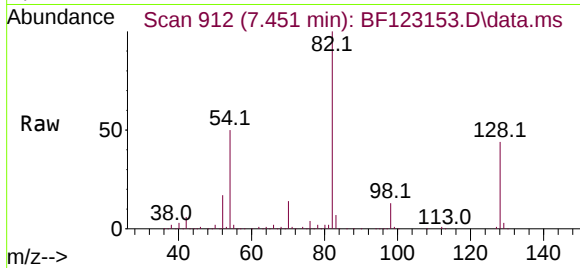




#25
Isophorone
Concen: 33.46 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.265 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

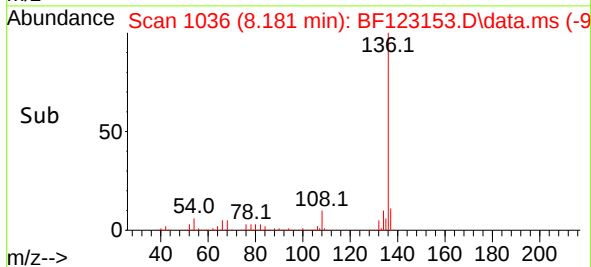
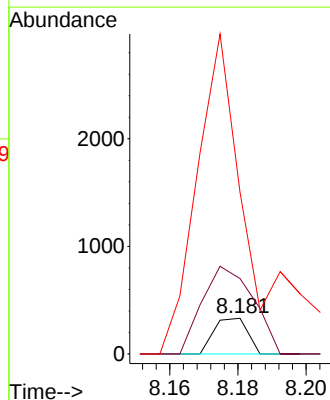
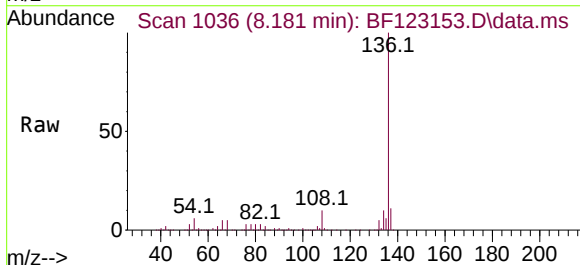
Instrument :
BNA_F
ClientSampleId :

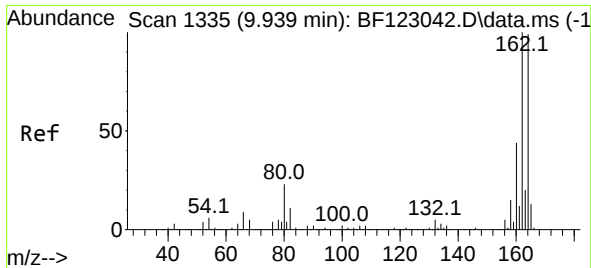
Tgt Ion: 82 Resp: 1126663
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 4.93 ng
RT: 8.181 min Scan# 1036
Delta R.T. 0.236 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

Tgt Ion:122 Resp: 228
Ion Ratio Lower Upper
122 100
105 211.1 104.8 144.8#
77 452.4 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: BF123153.D

Acq: 8 Feb 2021 20:24

Tgt Ion:164 Resp: 475442

Ion Ratio Lower Upper

164 100

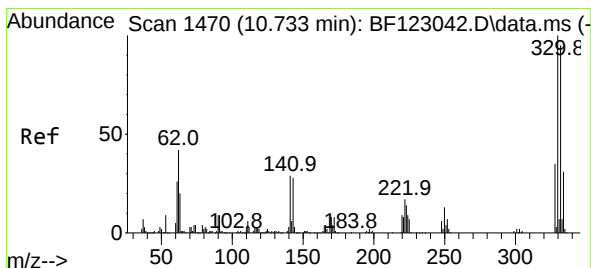
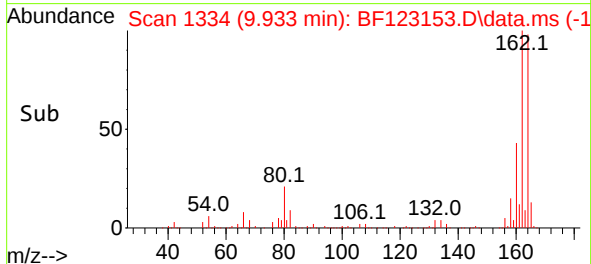
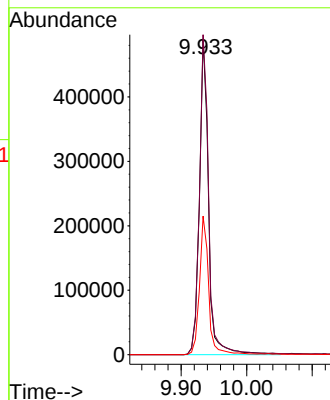
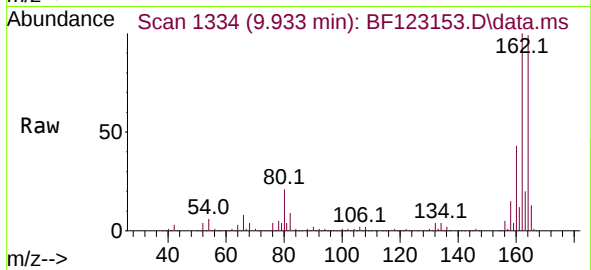
162 101.3 80.8 121.2

160 43.9 35.4 53.0

Instrument :

BNA_F

ClientSampleId :



#42

2,4,6-Tribromophenol

Concen: 53.06 ng

RT: 10.727 min Scan# 1469

Delta R.T. -0.006 min

Lab File: BF123153.D

Acq: 8 Feb 2021 20:24

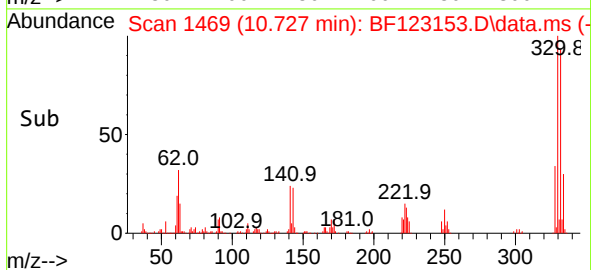
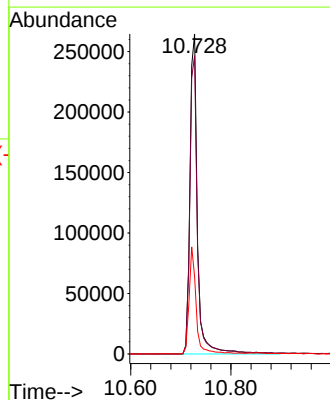
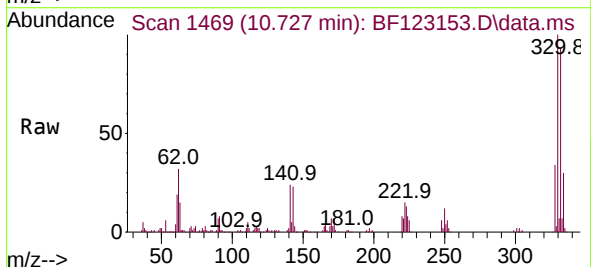
Tgt Ion:330 Resp: 273860

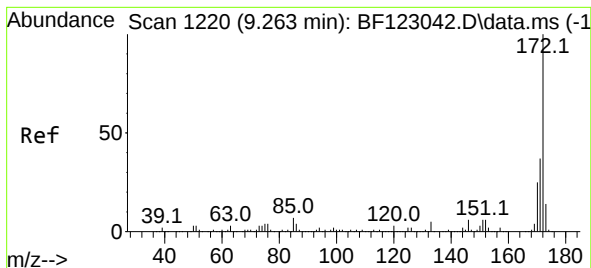
Ion Ratio Lower Upper

330 100

332 94.2 77.5 116.3

141 31.5 23.8 35.8

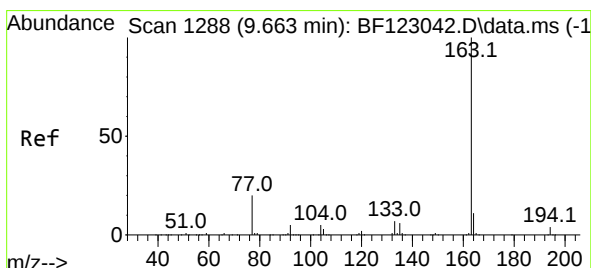
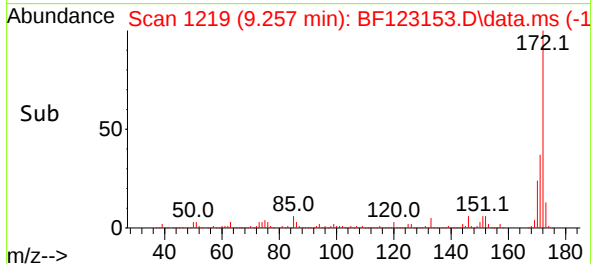
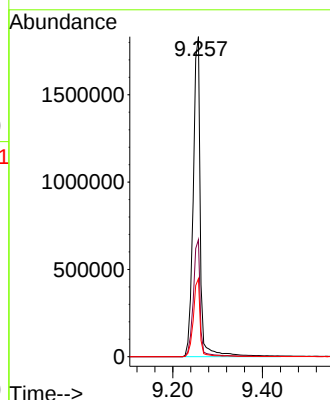
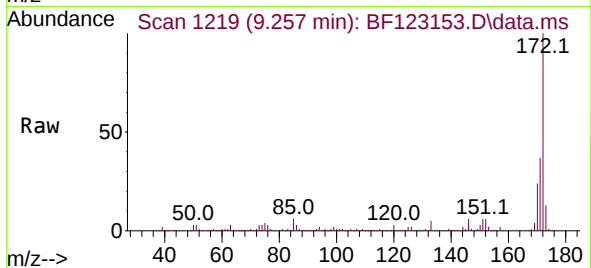




#45
2-Fluorobiphenyl
Concen: 63.49 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

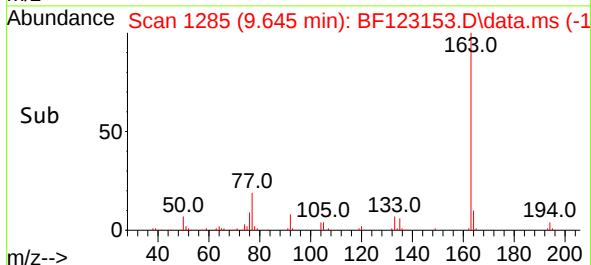
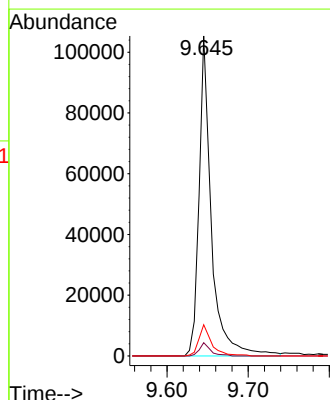
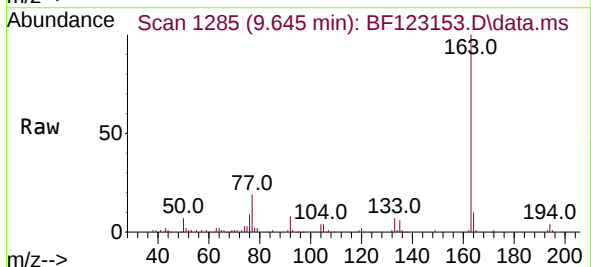
Instrument :
BNA_F
ClientSampleId :

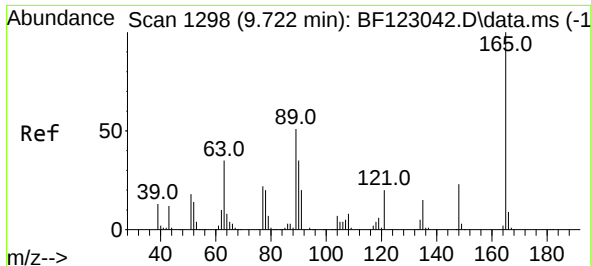
Tgt Ion:172 Resp: 2030446
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 24.4 19.5 29.3



#50
Dimethylphthalate
Concen: 2.99 ng
RT: 9.645 min Scan# 1285
Delta R.T. -0.018 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

Tgt Ion:163 Resp: 111431
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 9.8 8.1 12.1

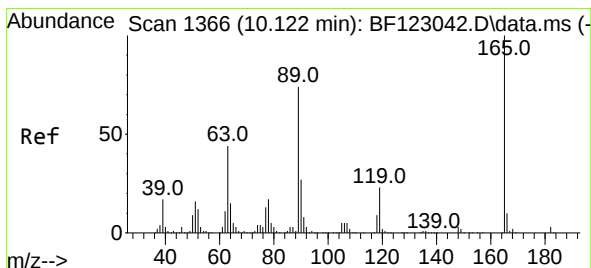
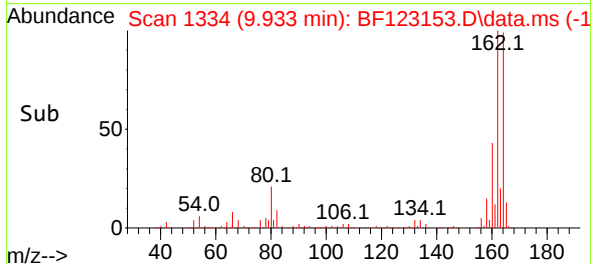
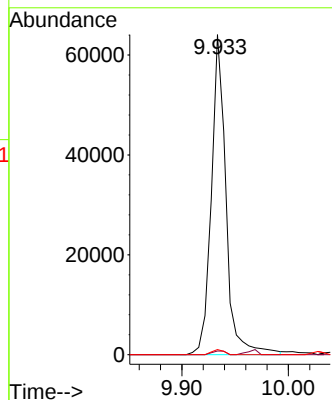
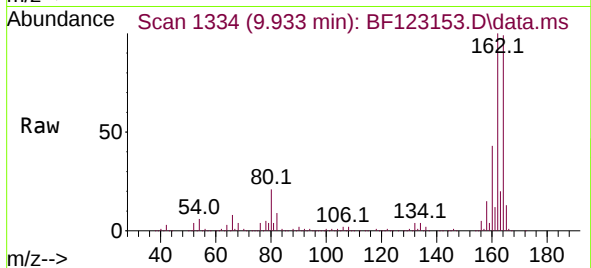




#51
2,6-Dinitrotoluene
Concen: 7.70 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.212 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

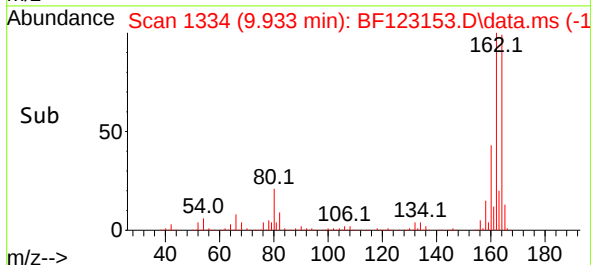
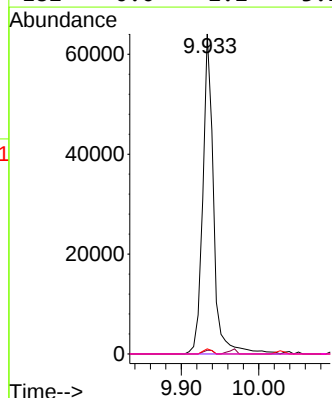
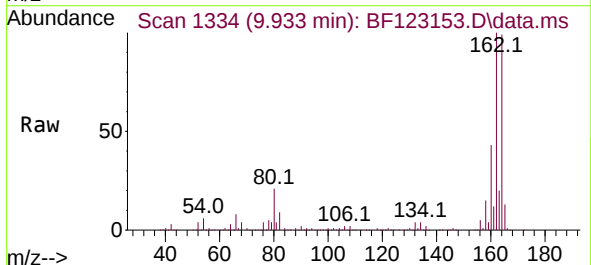
Instrument :
BNA_F
ClientSampleId :

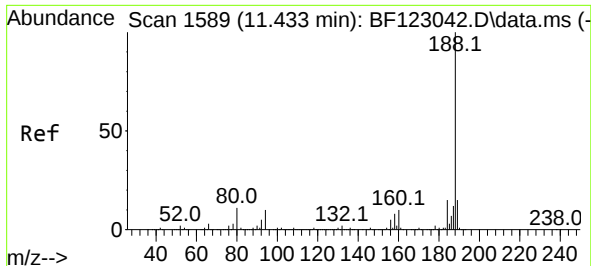
Tgt Ion:165 Resp: 61192
Ion Ratio Lower Upper
165 100
63 1.2 36.6 55.0#
89 1.6 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 6.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.188 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

Tgt Ion:165 Resp: 62032
Ion Ratio Lower Upper
165 100
63 1.2 34.3 51.5#
89 1.6 55.2 82.8#
182 0.0 2.2 3.2#

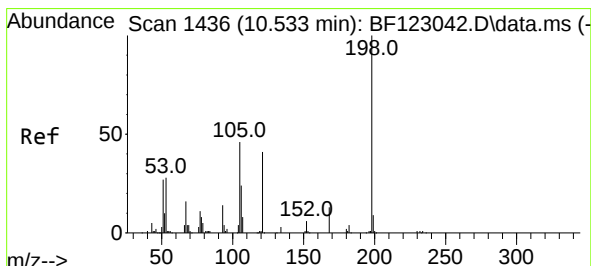
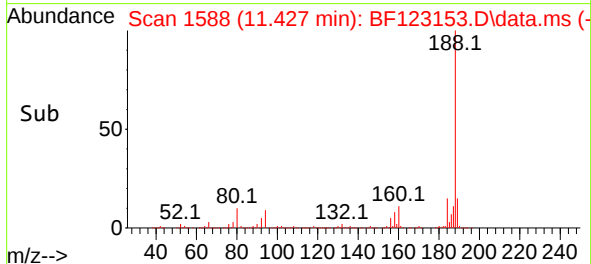
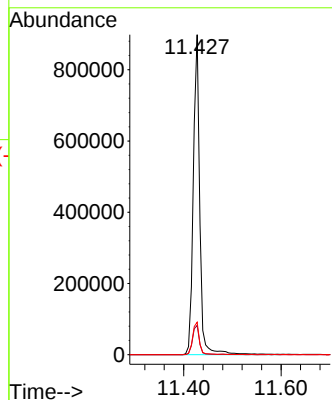
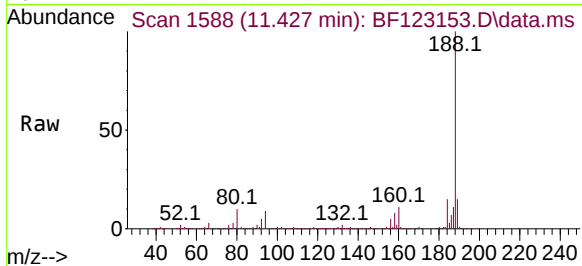




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

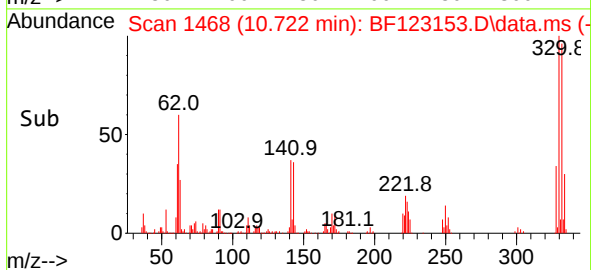
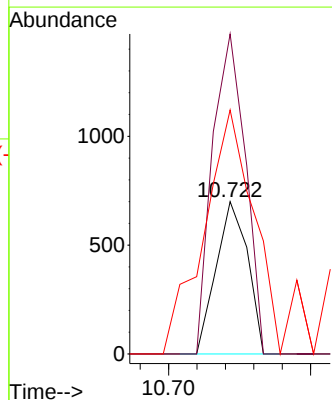
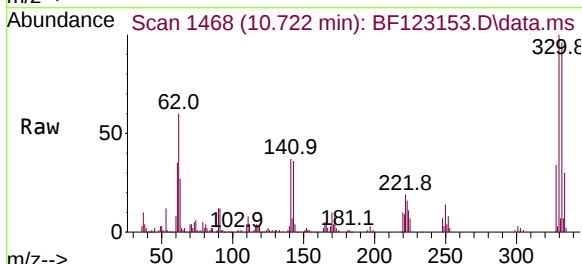
Instrument :
BNA_F
ClientSampleId :

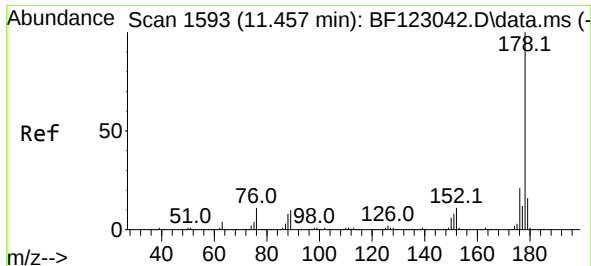
Tgt Ion:188 Resp: 828248
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 10.1 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.08 ng
RT: 10.722 min Scan# 1468
Delta R.T. 0.189 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

Tgt Ion:198 Resp: 539
Ion Ratio Lower Upper
198 100
51 210.0 20.3 60.3#
105 160.1 23.0 63.0#

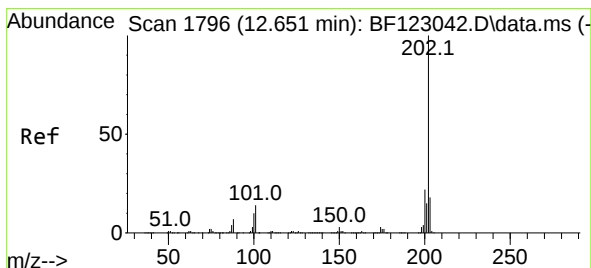
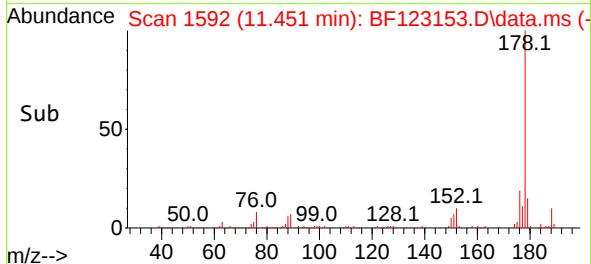
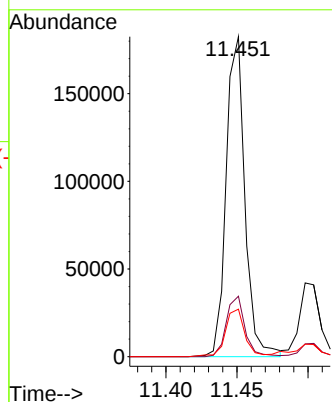
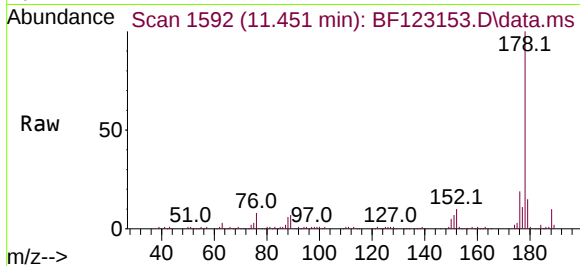




#71
Phenanthrene
Concen: 3.25 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

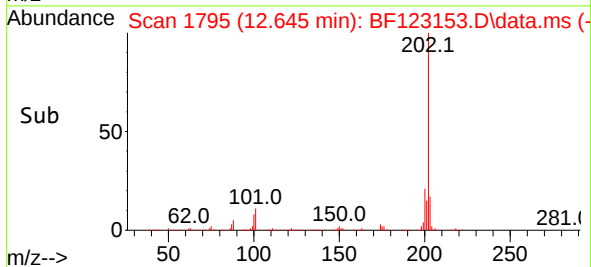
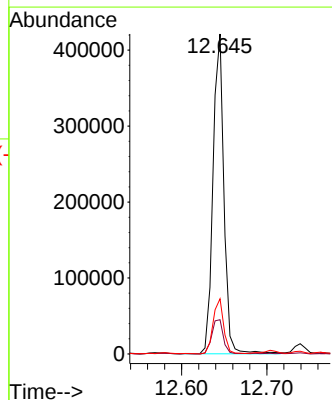
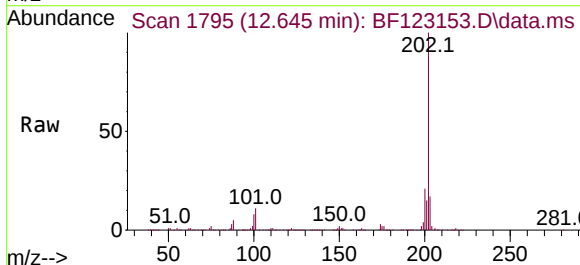
Instrument :
BNA_F
ClientSampleId :

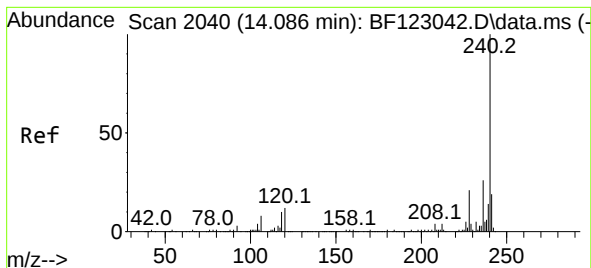
Tgt Ion:178 Resp: 167370
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.2
179 14.8 12.7 19.1



#75
Fluoranthene
Concen: 7.29 ng
RT: 12.645 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

Tgt Ion:202 Resp: 374907
Ion Ratio Lower Upper
202 100
101 10.7 0.0 32.2
203 17.2 0.0 38.1

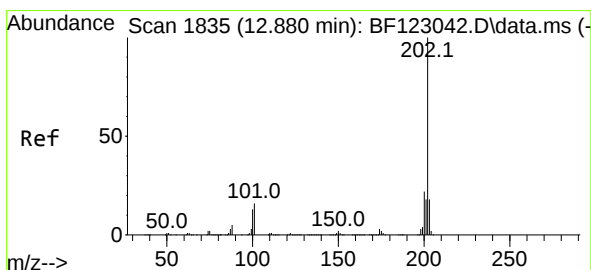
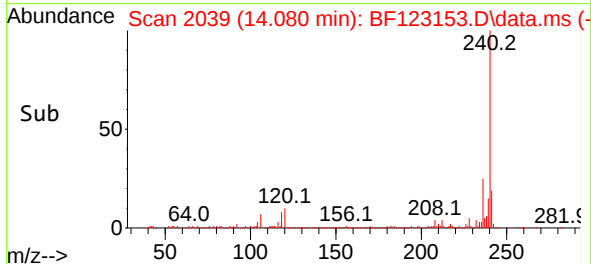
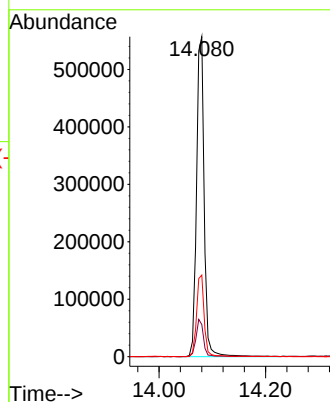
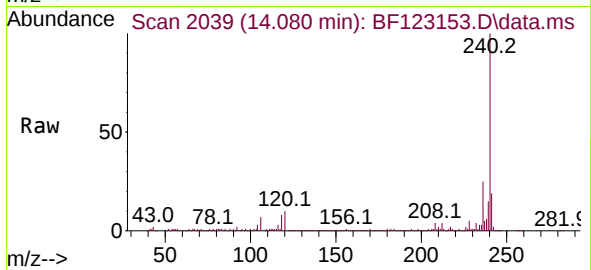




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

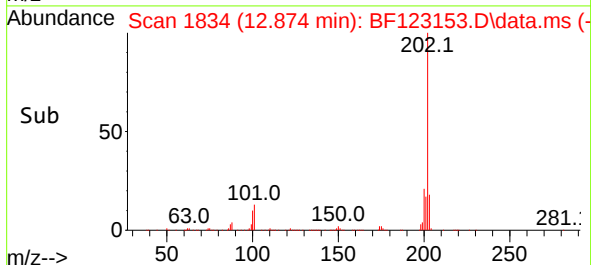
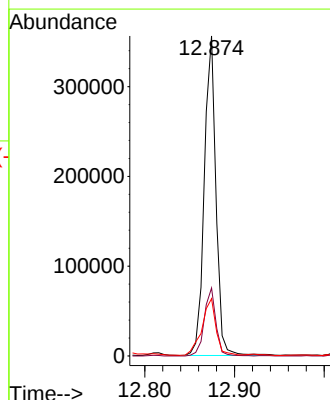
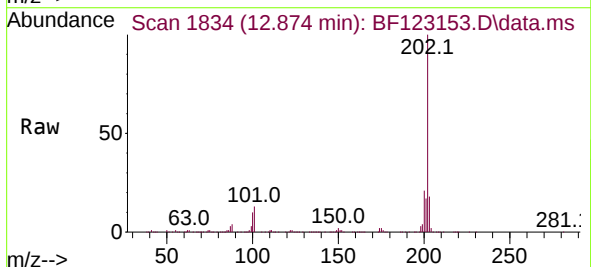
Instrument :
BNA_F
ClientSampleId :

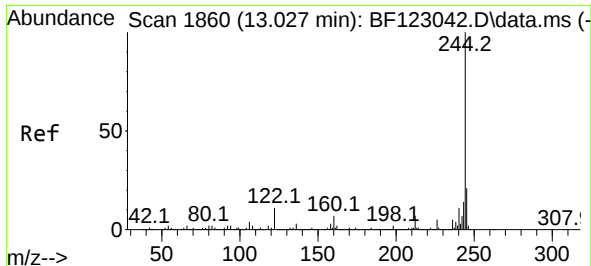
Tgt Ion:240 Resp: 556976
Ion Ratio Lower Upper
240 100
120 10.0 8.6 12.8
236 25.5 20.3 30.5



#78
Pyrene
Concen: 7.65 ng
RT: 12.874 min Scan# 1834
Delta R.T. -0.006 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

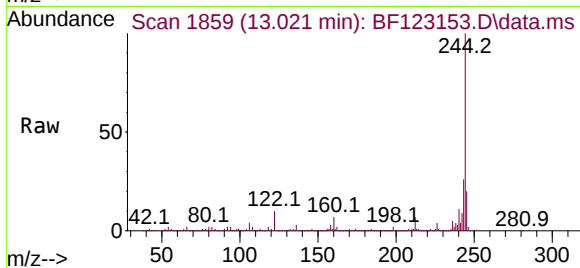
Tgt Ion:202 Resp: 321494
Ion Ratio Lower Upper
202 100
200 21.2 17.6 26.4
203 17.9 14.6 21.8



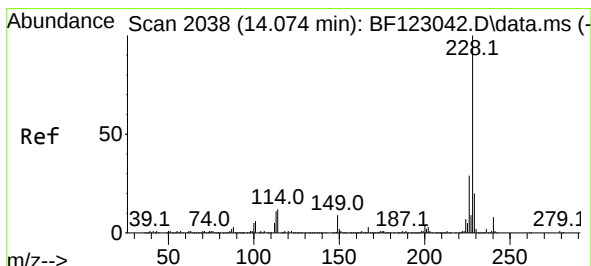
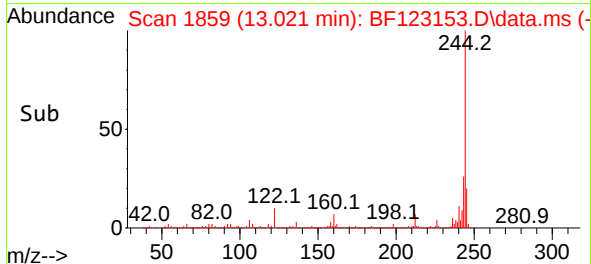
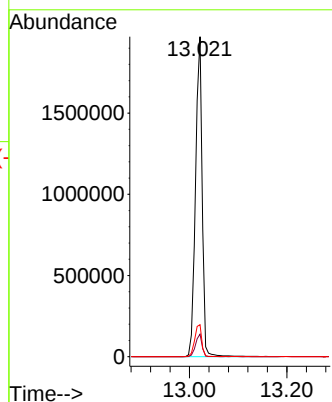


#79
 Terphenyl-d14
 Concen: 66.42 ng
 RT: 13.021 min Scan# 1859
 Delta R.T. -0.006 min
 Lab File: BF123153.D
 Acq: 8 Feb 2021 20:24

Instrument :
 BNA_F
 ClientSampled :

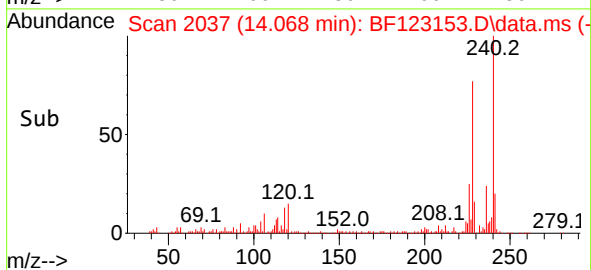
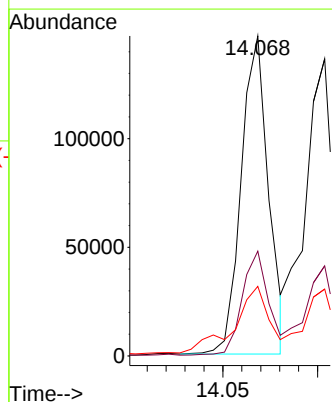
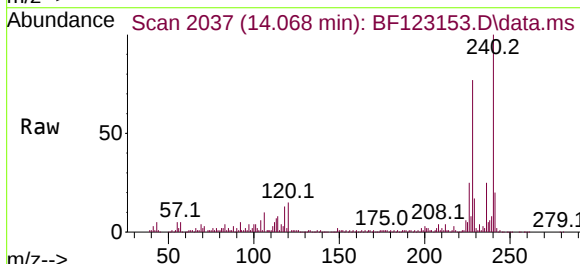


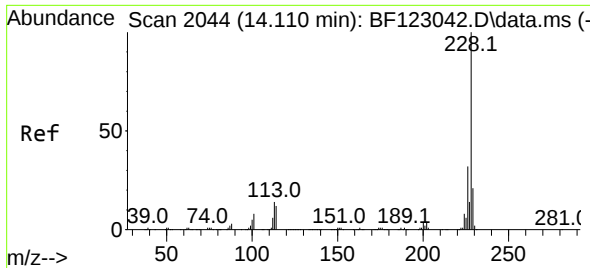
Tgt Ion:244 Resp: 1882887
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 10.0 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 3.90 ng
 RT: 14.068 min Scan# 2037
 Delta R.T. -0.006 min
 Lab File: BF123153.D
 Acq: 8 Feb 2021 20:24

Tgt Ion:228 Resp: 146858
 Ion Ratio Lower Upper
 228 100
 226 32.8 23.0 34.4
 229 21.7 16.6 24.8

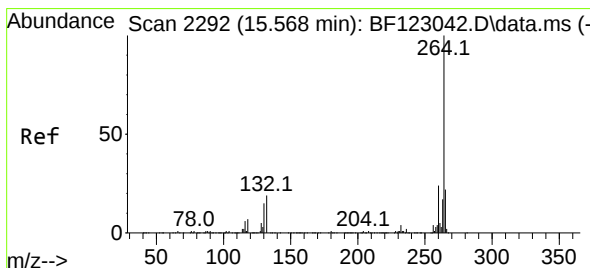
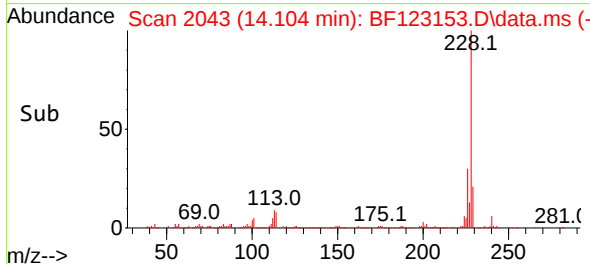
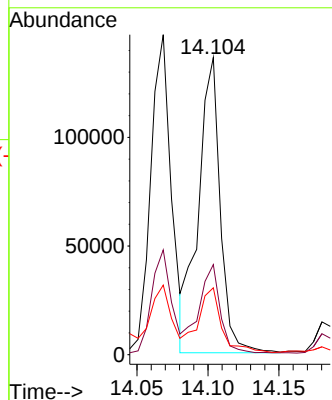
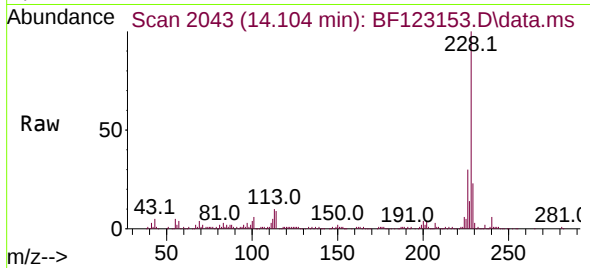




#83
Chrysene
Concen: 3.89 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

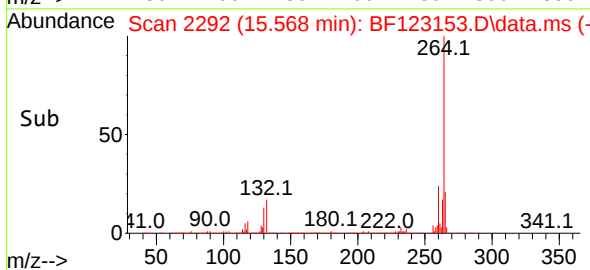
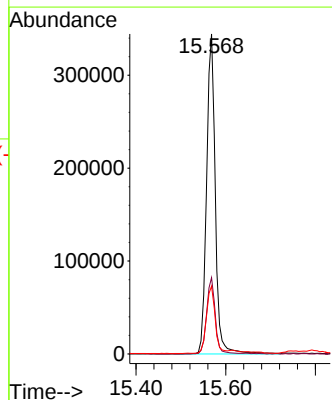
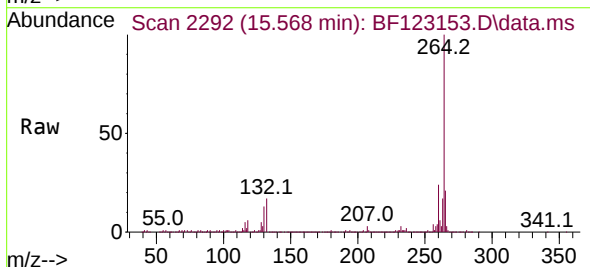
Instrument :
BNA_F
ClientSampleId :

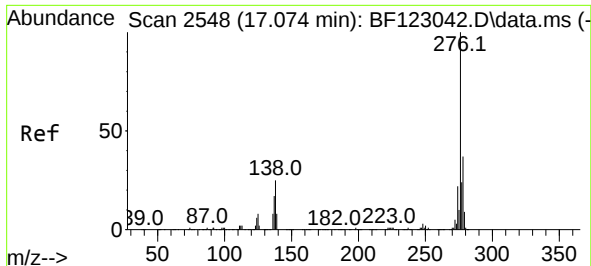
Tgt Ion:228 Resp: 146821
Ion Ratio Lower Upper
228 100
226 30.3 24.6 36.8
229 22.5 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

Tgt Ion:264 Resp: 465665
Ion Ratio Lower Upper
264 100
260 23.9 18.6 28.0
265 21.2 17.0 25.6

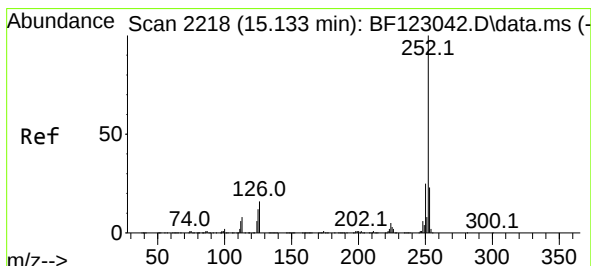
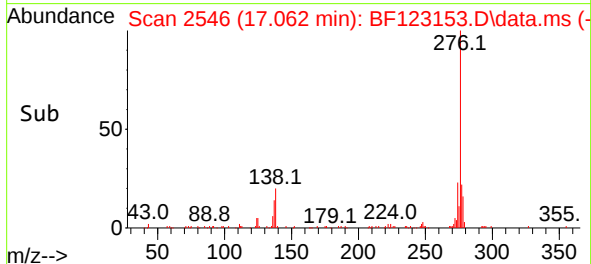
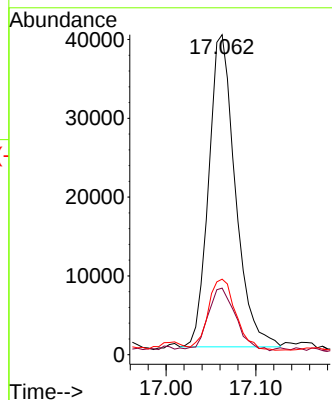
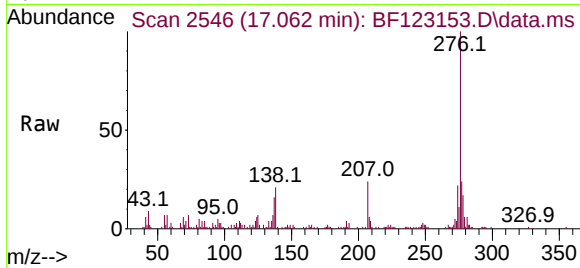




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.63 ng
RT: 17.062 min Scan# 2546
Delta R.T. -0.012 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

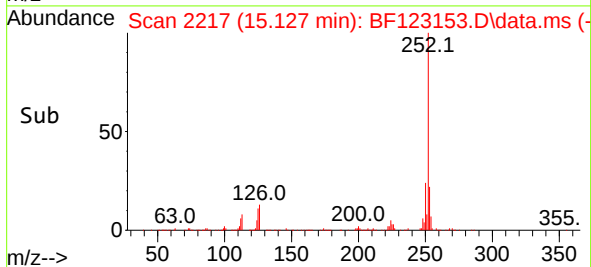
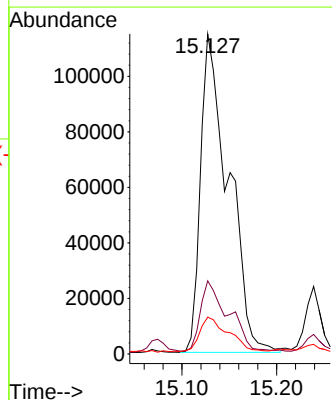
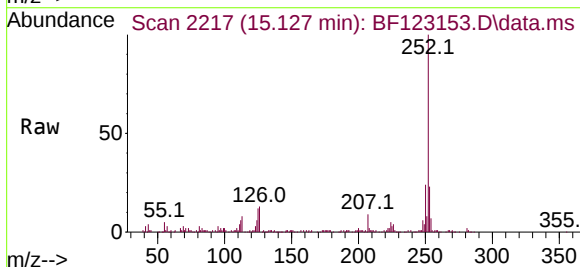
Instrument :
BNA_F
ClientSampleId :

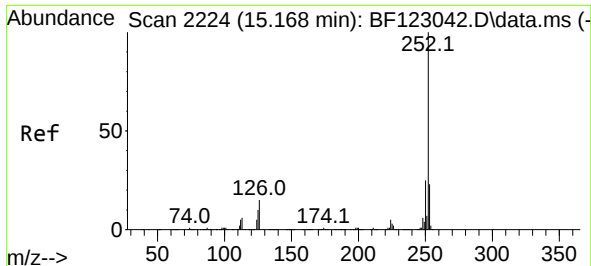
Tgt Ion:276 Resp: 81633
Ion Ratio Lower Upper
276 100
138 21.5 18.7 28.1
277 24.4 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 7.00 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF123153.D
Acq: 8 Feb 2021 20:24

Tgt Ion:252 Resp: 235231
Ion Ratio Lower Upper
252 100
253 22.8 18.3 27.5
125 11.5 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 7.53 ng

RT: 15.127 min Scan# 2217

Delta R.T. -0.041 min

Lab File: BF123153.D

Acq: 8 Feb 2021 20:24

Tgt Ion:252 Resp: 235231

Ion Ratio Lower Upper

252 100

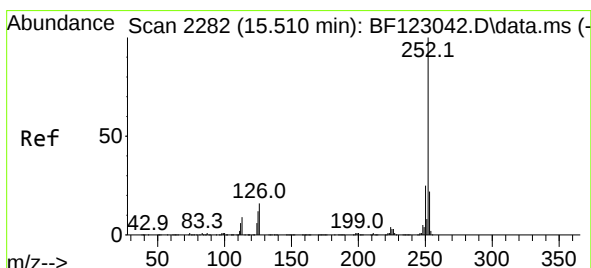
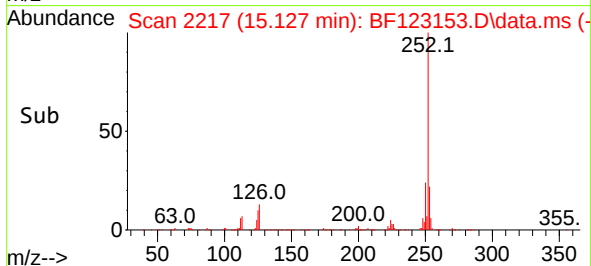
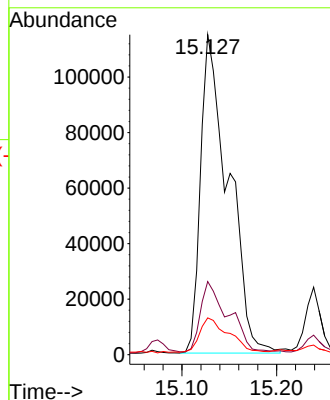
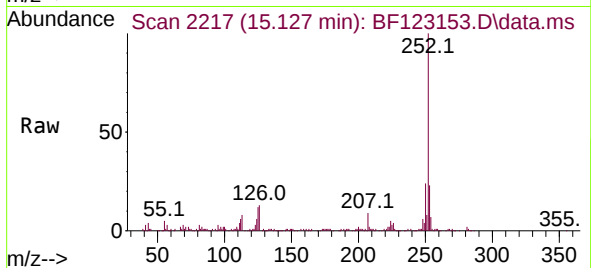
253 22.8 17.8 26.8

125 11.5 8.4 12.6

Instrument :

BNA_F

ClientSampled :



#90

Benzo(a)pyrene

Concen: 4.12 ng

RT: 15.498 min Scan# 2280

Delta R.T. -0.012 min

Lab File: BF123153.D

Acq: 8 Feb 2021 20:24

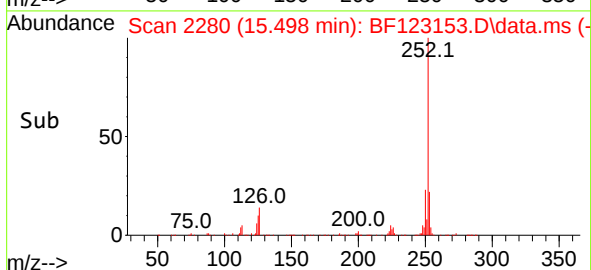
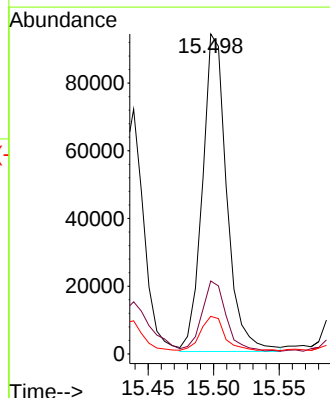
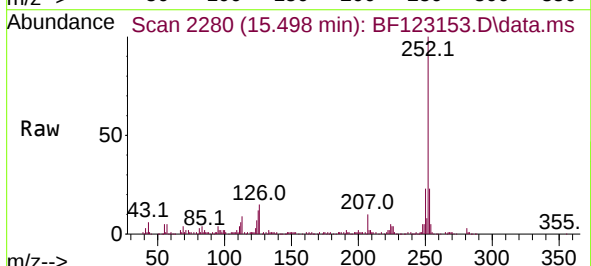
Tgt Ion:252 Resp: 121672

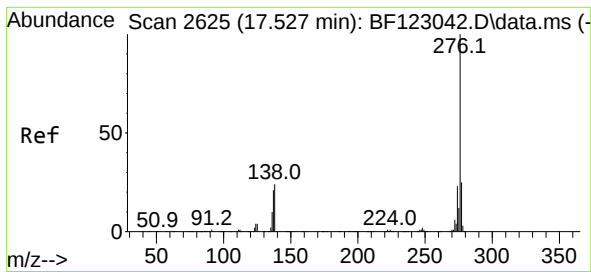
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.7 8.6 12.8





#92

Benzo(g,h,i)perylene

Concen: 3.45 ng

RT: 17.515 min Scan# 2623

Delta R.T. -0.012 min

Lab File: BF123153.D

Acq: 8 Feb 2021 20:24

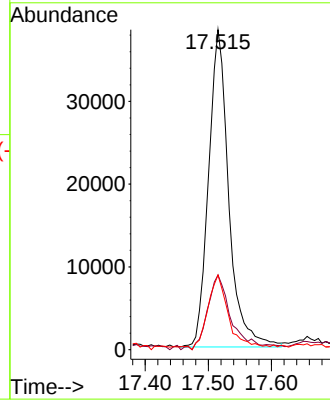
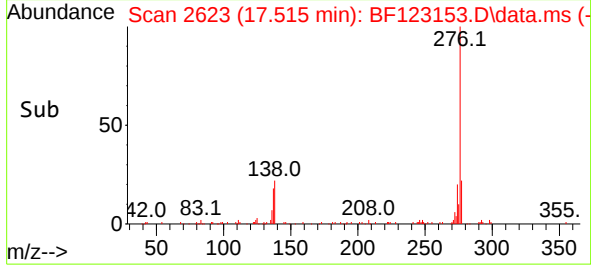
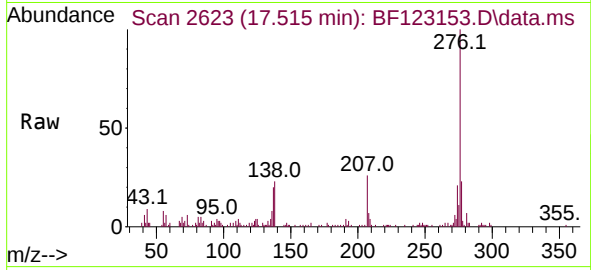
Tgt Ion: 276 Resp: 85239

Ion Ratio Lower Upper

276 100

277 23.4 19.3 28.9

138 23.3 16.6 24.8



Instrument :

BNA_F

ClientSampleId :