

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
 Data File : BF123996.D
 Acq On : 19 May 2021 18:22
 Operator : JU/CG
 Sample : M2437-02 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: May 20 02:26:27 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

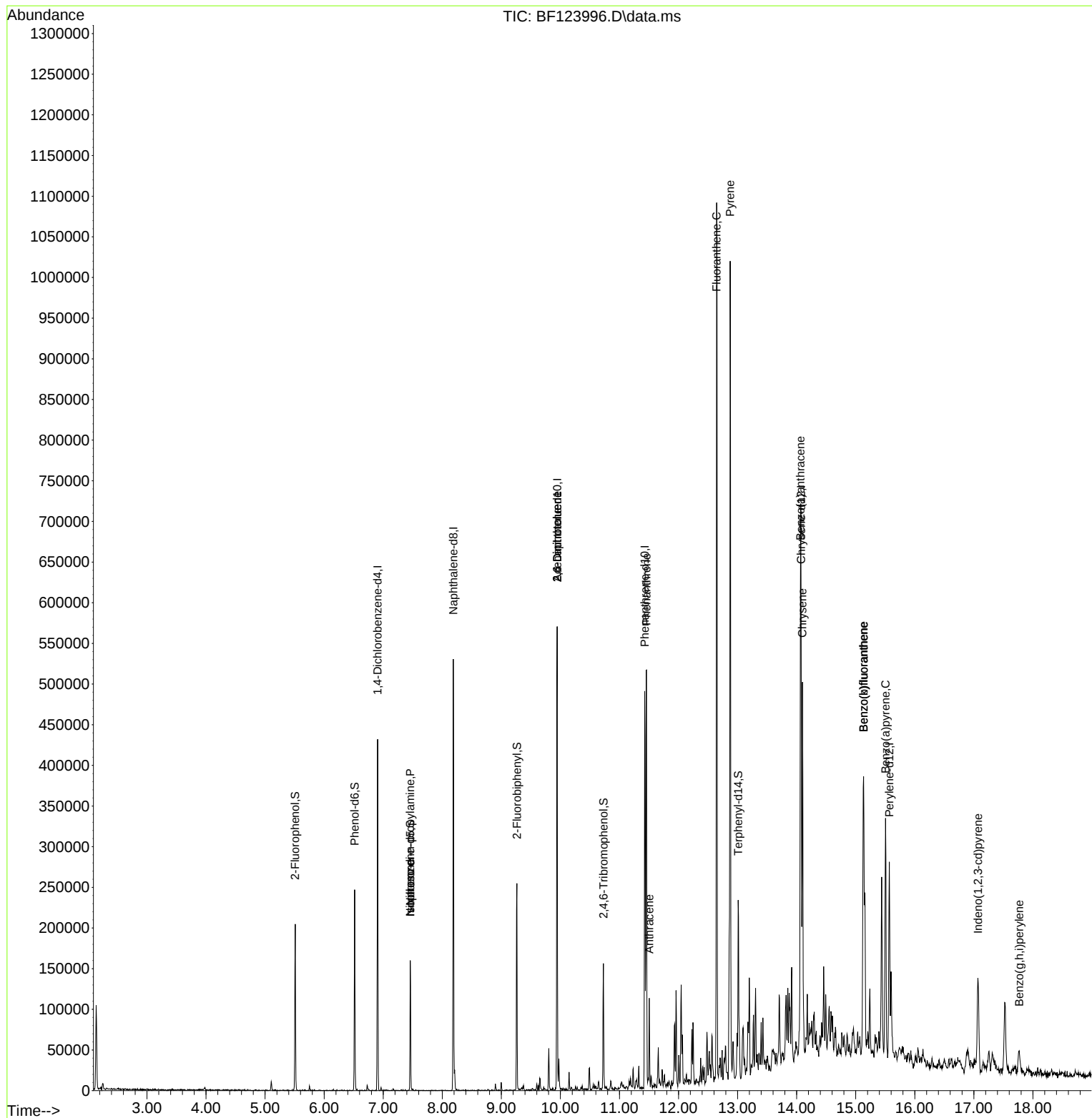
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	45471	20.00	ng	0.00
21) Naphthalene-d8	8.187	136	185347	20.00	ng	# 0.00
39) Acenaphthene-d10	9.945	164	105566	20.00	ng	0.00
64) Phenanthrene-d10	11.428	188	170917	20.00	ng	# 0.00
76) Chrysene-d12	14.074	240	124709	20.00	ng	0.00
86) Perylene-d12	15.568	264	92189	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	40855	12.62	ng	0.00
7) Phenol-d6	6.516	99	53967	12.85	ng	0.00
23) Nitrobenzene-d5	7.457	82	40546	9.43	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	14080	11.10	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	69286	8.08	ng	0.00
79) Terphenyl-d14	13.010	244	56493	6.86	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	5875	2.07	ng	# 70
25) Isophorone	7.457	82	40545	4.90	ng	# 69
51) 2,6-Dinitrotoluene	9.945	165	13038	7.65	ng	# 10
57) 2,4-Dinitrotoluene	9.945	165	13039	6.24	ng	# 15
71) Phenanthrene	11.457	178	184628	17.04	ng	98
72) Anthracene	11.504	178	33112	3.02	ng	96
75) Fluoranthene	12.645	202	419017	37.36	ng	99
78) Pyrene	12.874	202	375594	33.92	ng	100
81) Benzo(a)anthracene	14.063	228	178892	19.83	ng	99
83) Chrysene	14.098	228	151811	17.50	ng	96
87) Indeno(1,2,3-cd)pyrene	17.068	276	70427	9.89	ng	98
88) Benzo(b)fluoranthene	15.133	252	262520	36.81	ng	# 93
89) Benzo(k)fluoranthene	15.133	252	262520	40.39	ng	94
90) Benzo(a)pyrene	15.504	252	130785	21.22	ng	99
92) Benzo(g,h,i)perylene	17.768	276	18878	3.14	ng	95

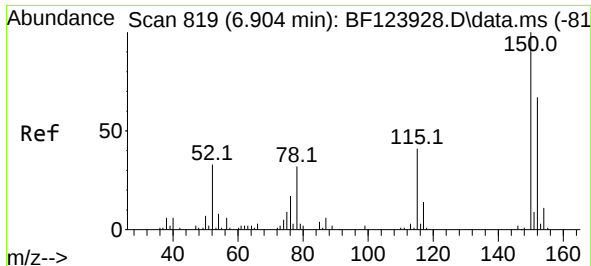
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

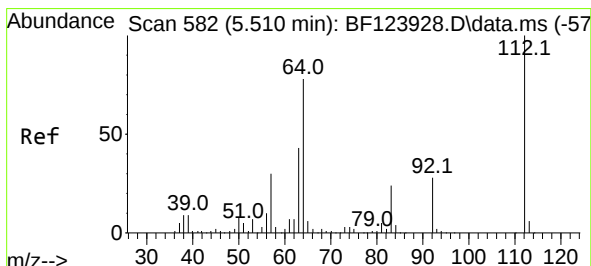
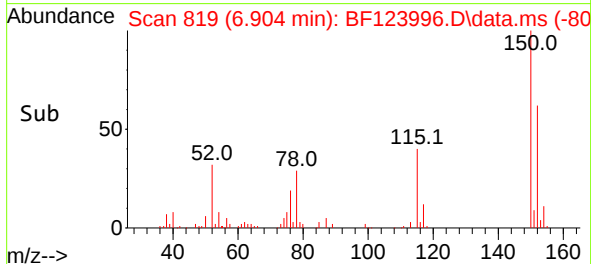
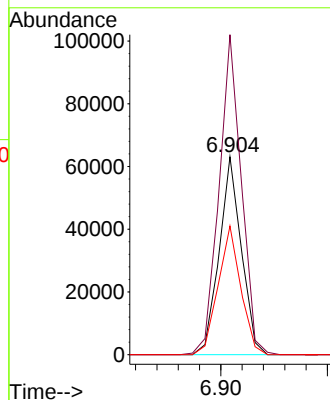
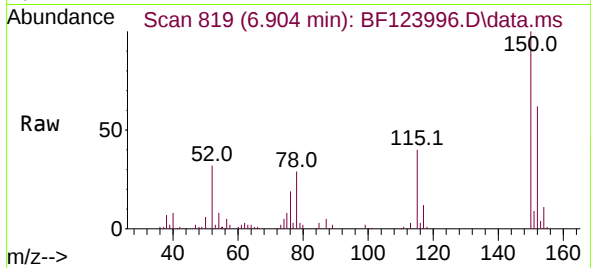




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

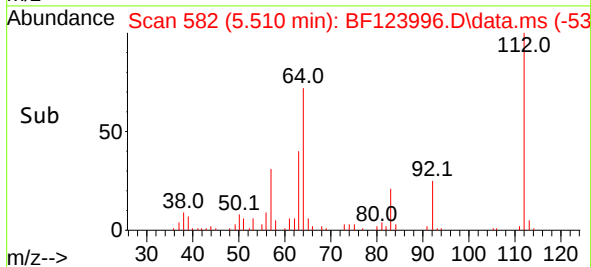
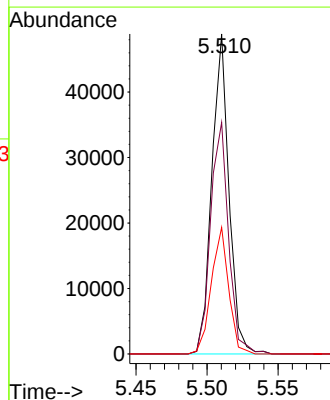
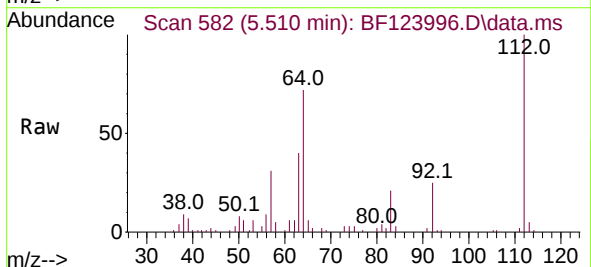
Instrument :
BNA_F
ClientSampled :
TP-1

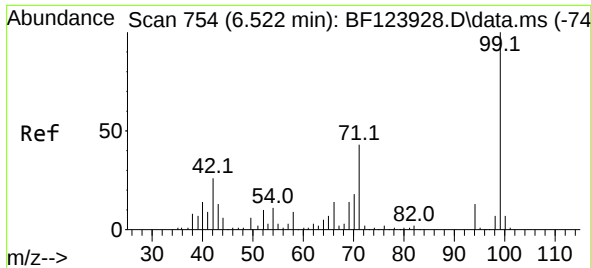
Tgt Ion:152 Resp: 45471
Ion Ratio Lower Upper
152 100
150 161.7 127.0 190.6
115 65.1 54.3 81.5



#5
2-Fluorophenol
Concen: 12.62 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.000 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

Tgt Ion:112 Resp: 40855
Ion Ratio Lower Upper
112 100
64 72.4 61.4 92.0
63 39.5 33.0 49.4

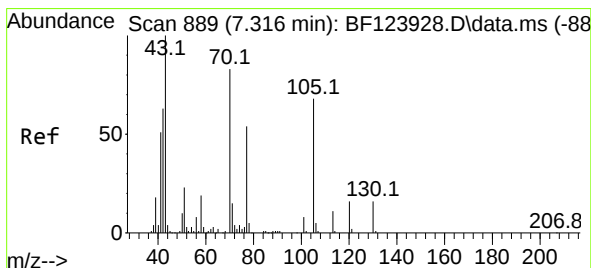
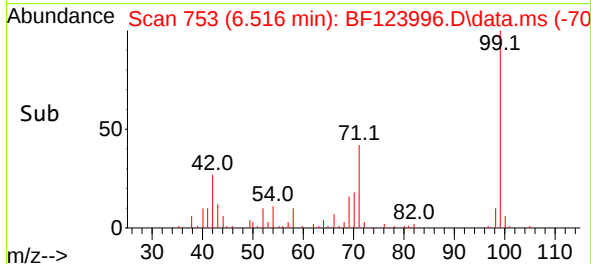
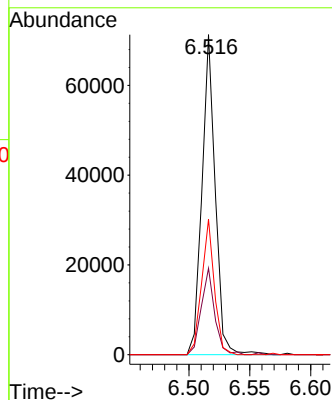
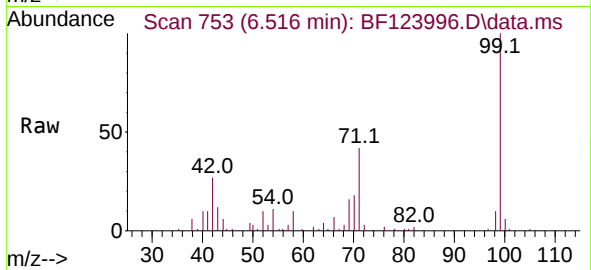




#7
Phenol-d6
Concen: 12.85 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

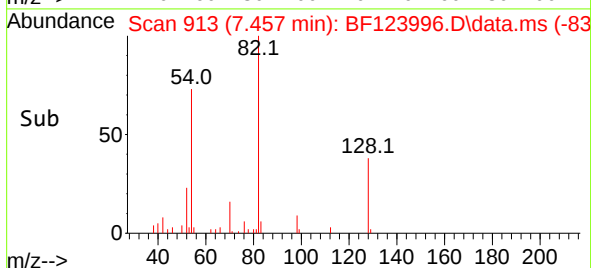
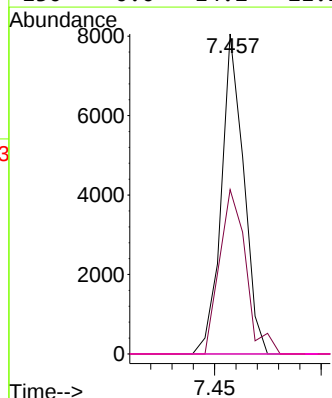
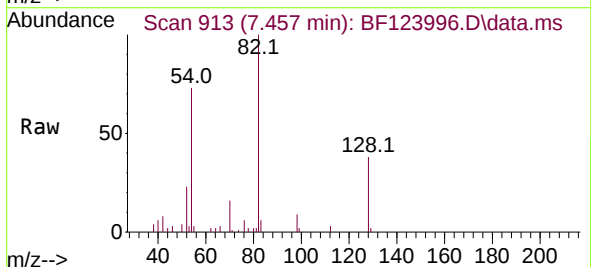
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 99 Resp: 53967
Ion Ratio Lower Upper
99 100
42 27.0 19.8 29.8
71 42.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.07 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.141 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

Tgt Ion: 70 Resp: 5875
Ion Ratio Lower Upper
70 100
42 51.3 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#

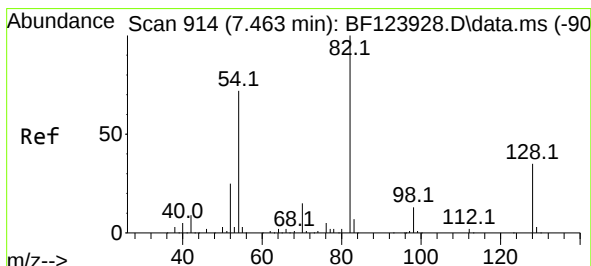
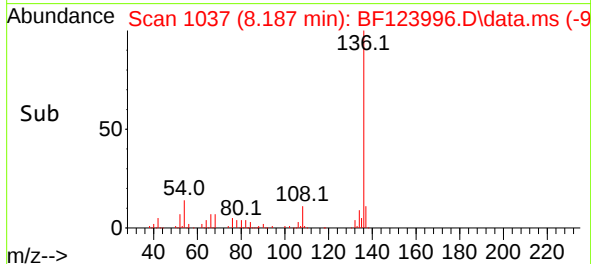
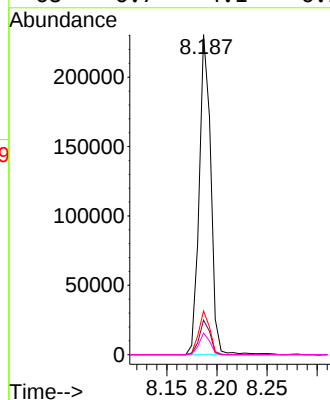
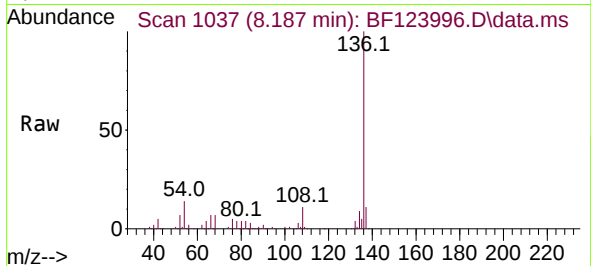




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.187 min Scan# 1037
Delta R.T. 0.001 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

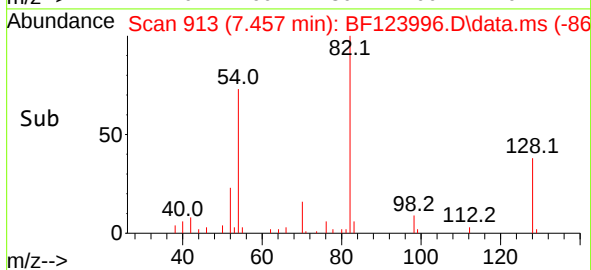
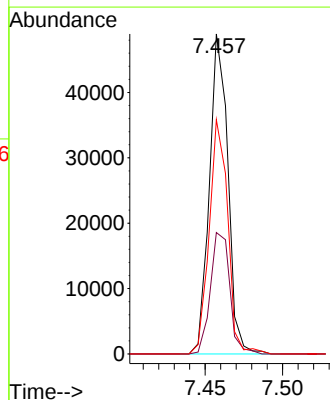
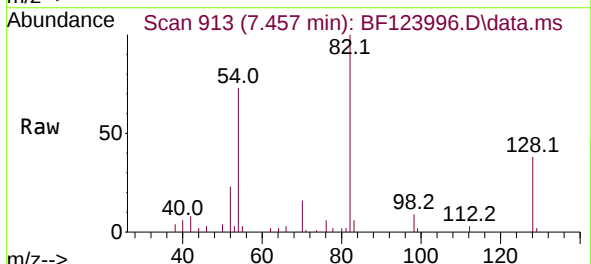
Instrument :
BNA_F
ClientSampled :
TP-1

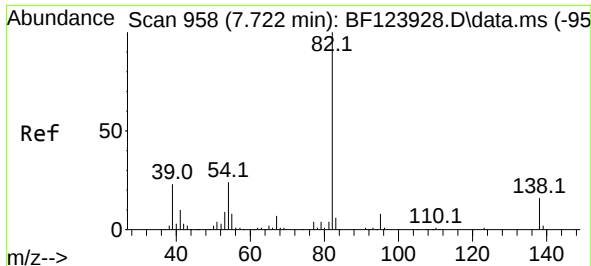
Tgt Ion:136	Resp: 185347
Ion Ratio	Lower Upper
136 100	
137 10.8	8.7 13.1
54 13.7	9.8 14.6
68 6.7	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 9.43 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

Tgt Ion: 82	Resp: 40546
Ion Ratio	Lower Upper
82 100	
128 38.0	29.4 44.2
54 73.2	54.1 81.1

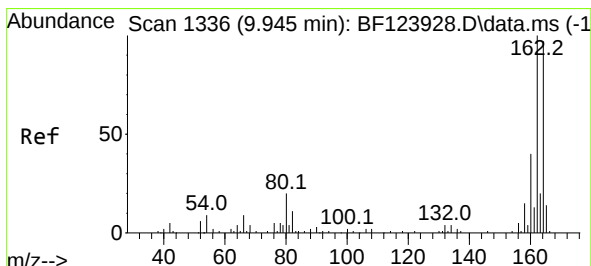
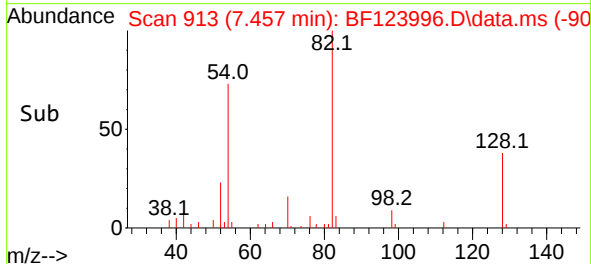
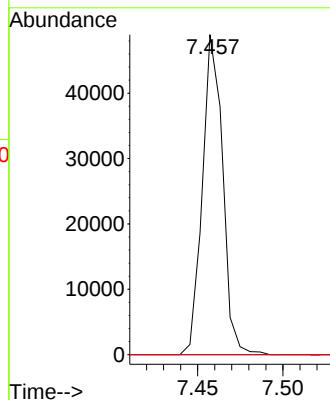
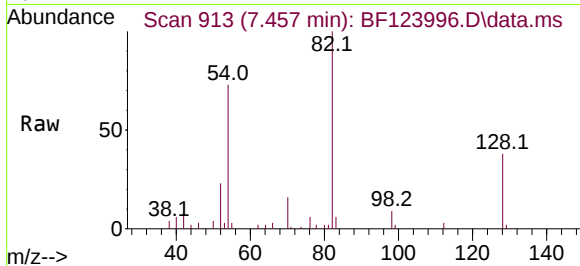




#25
Isophorone
Concen: 4.90 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.265 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

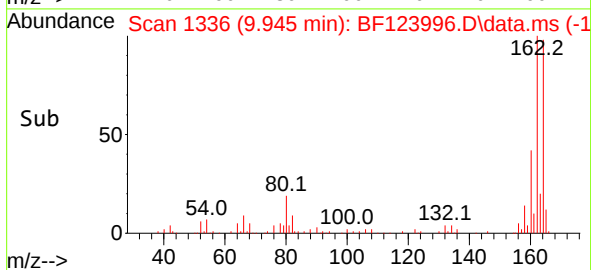
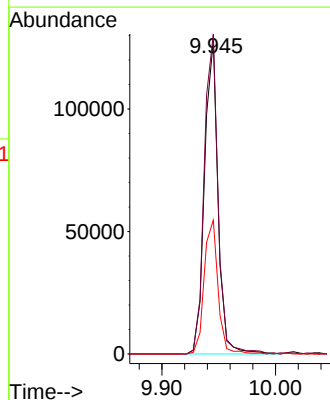
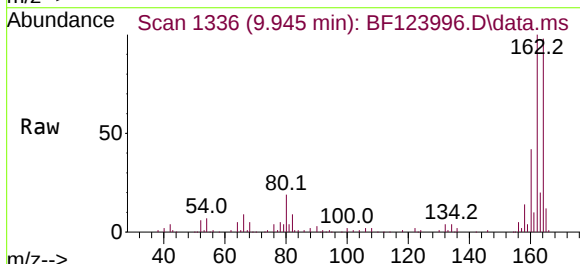
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BNA_F
ClientSampleId :
TP-1

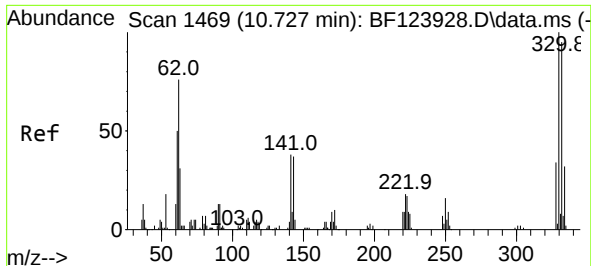
Tgt Ion: 82 Resp: 40545
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

Tgt Ion:164 Resp: 105566
Ion Ratio Lower Upper
164 100
162 101.9 80.7 121.1
160 42.6 37.3 55.9

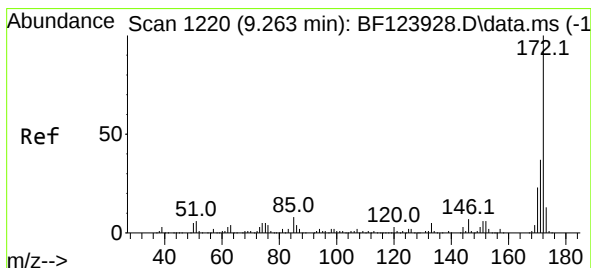
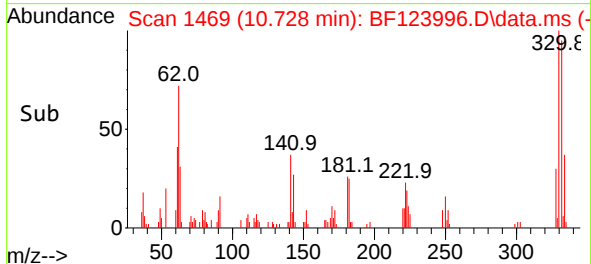
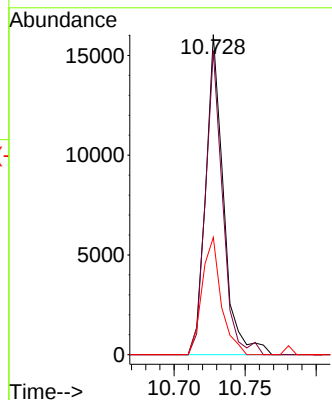
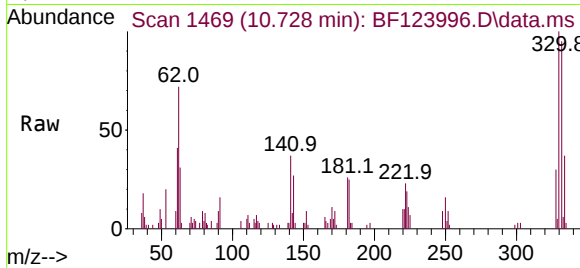




#42
2,4,6-Tribromophenol
Concen: 11.10 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

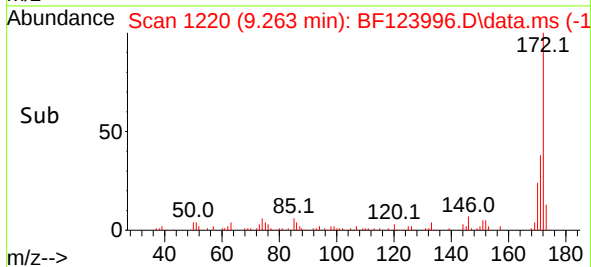
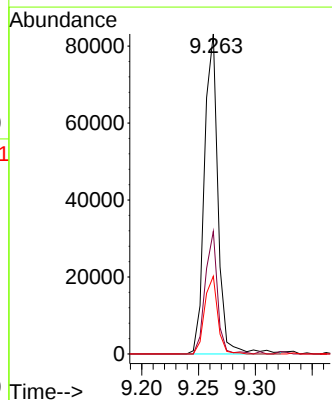
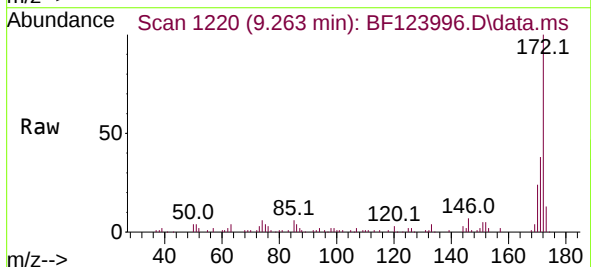
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BNA_F
ClientSampled :
TP-1

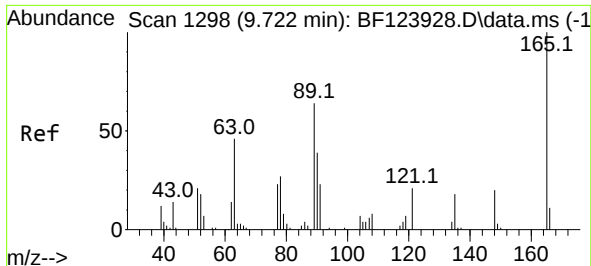
Tgt Ion: 330 Resp: 14080
Ion Ratio Lower Upper
330 100
332 91.2 77.1 115.7
141 39.1 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 8.08 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

Tgt Ion: 172 Resp: 69286
Ion Ratio Lower Upper
172 100
171 38.3 28.1 42.1
170 24.3 19.2 28.8

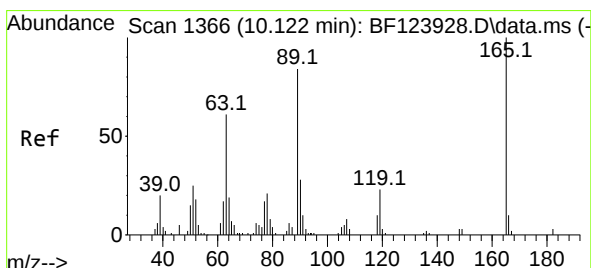
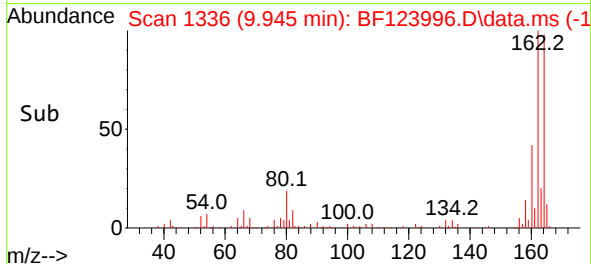
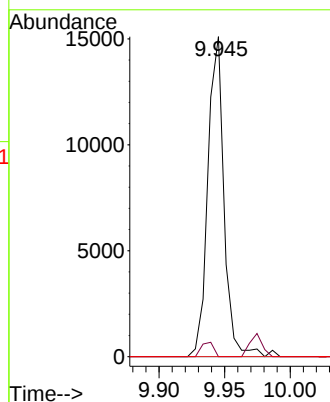
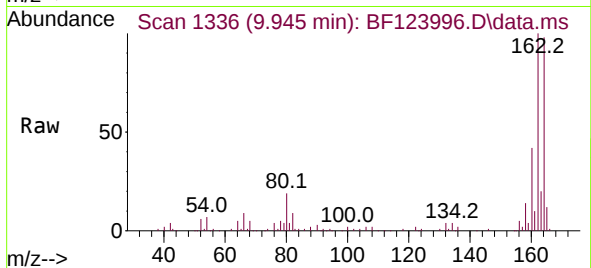




#51
2,6-Dinitrotoluene
Concen: 7.65 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.224 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

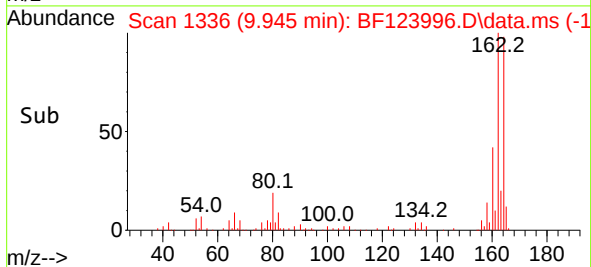
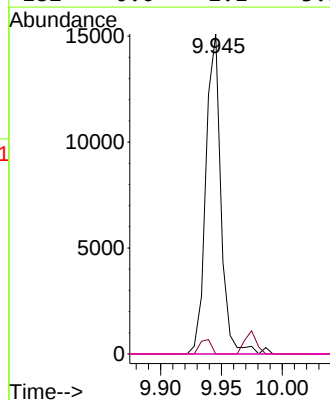
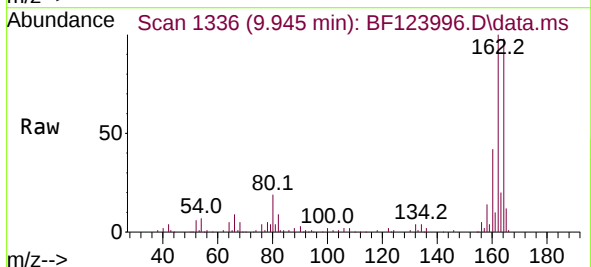
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ClientSampled :
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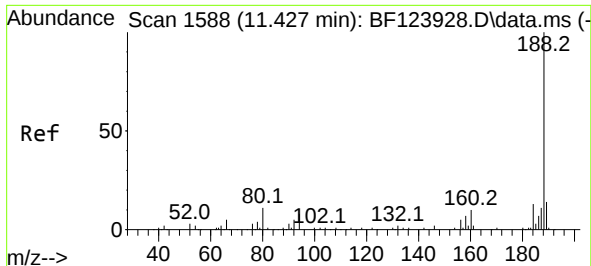
Tgt Ion:165 Resp: 13038
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.24 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.176 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

Tgt Ion:165 Resp: 13039
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

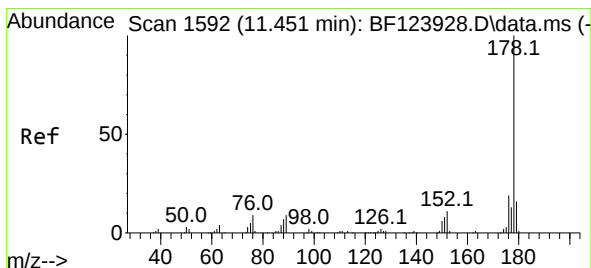
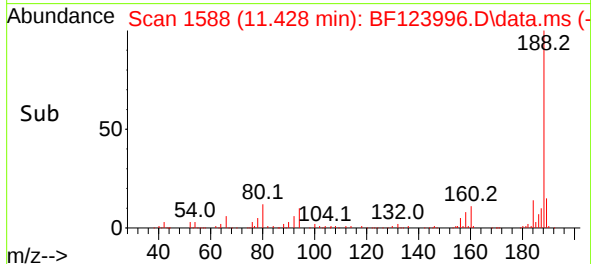
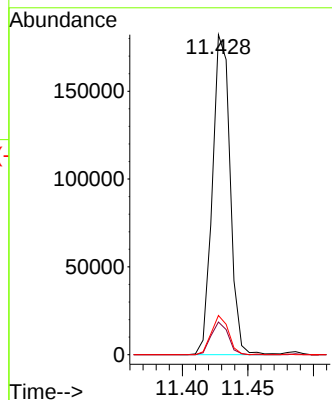
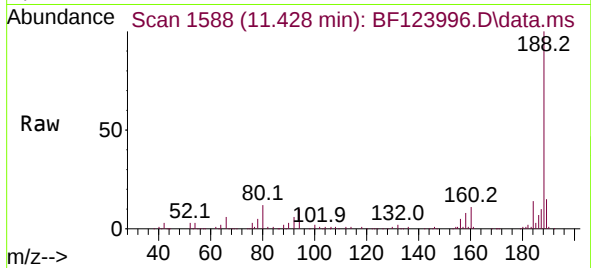




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.428 min Scan# 1588
Delta R.T. 0.001 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

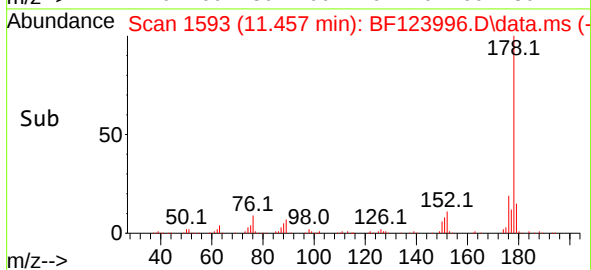
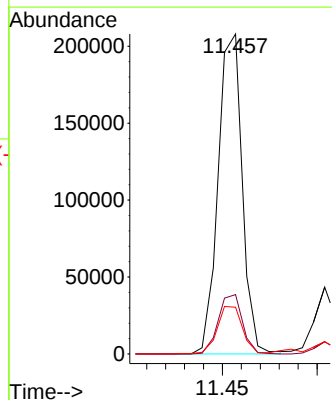
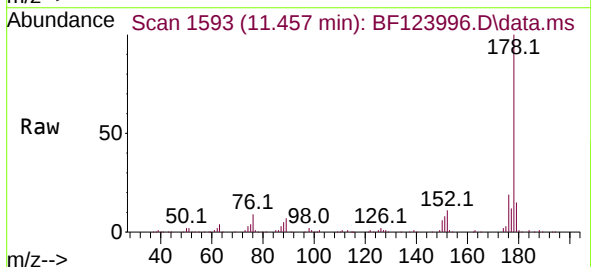
Instrument :
BNA_F
ClientSampled :
TP-1

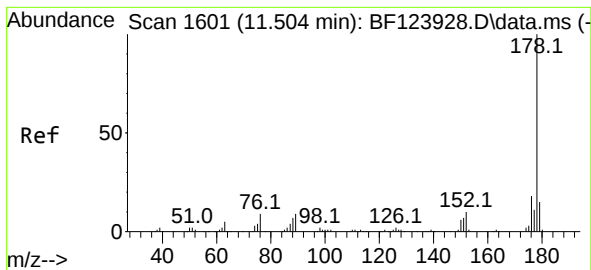
Tgt Ion:188 Resp: 170917
Ion Ratio Lower Upper
188 100
94 10.2 6.9 10.3
80 12.3 8.2 12.2#



#71
Phenanthrene
Concen: 17.04 ng
RT: 11.457 min Scan# 1593
Delta R.T. 0.006 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

Tgt Ion:178 Resp: 184628
Ion Ratio Lower Upper
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176 18.6 15.6 23.4
179 14.6 12.5 18.7

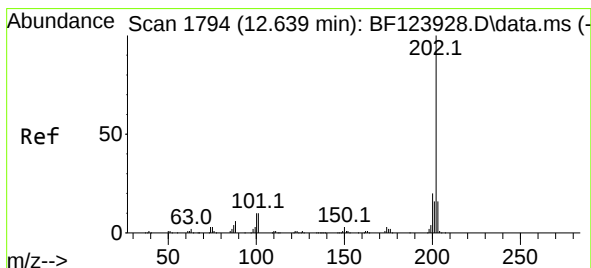
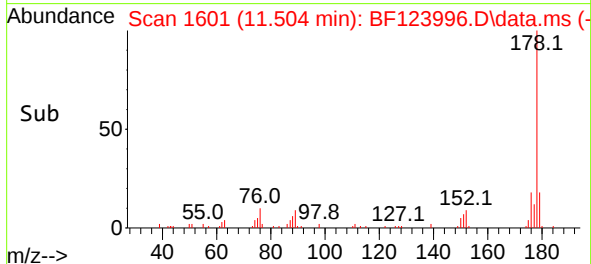
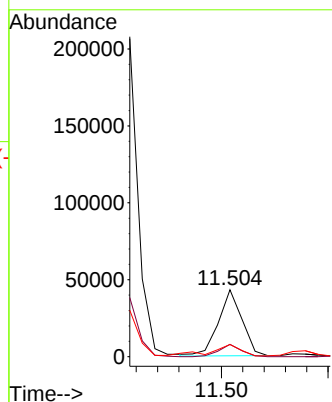
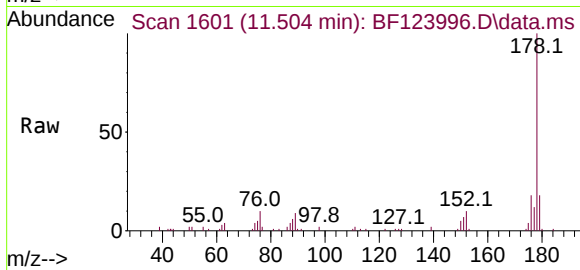




#72
 Anthracene
 Concen: 3.02 ng
 RT: 11.504 min Scan# 1601
 Delta R.T. 0.000 min
 Lab File: BF123996.D
 Acq: 19 May 2021 18:22

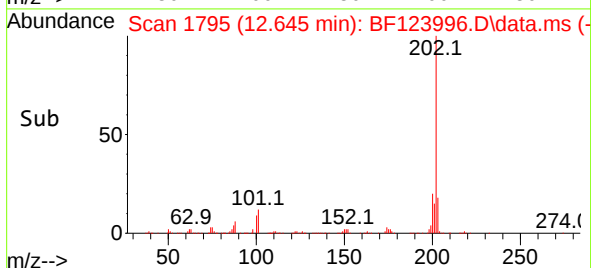
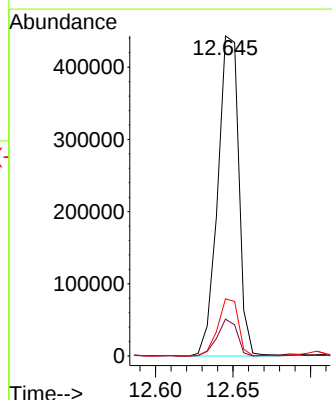
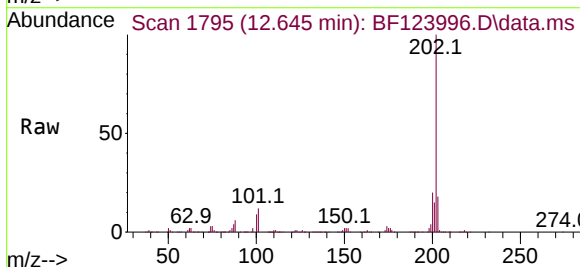
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

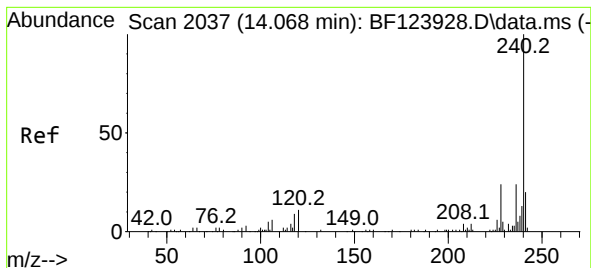
Tgt Ion:178 Resp: 33112
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.0
 179 18.2 12.6 18.8



#75
 Fluoranthene
 Concen: 37.36 ng
 RT: 12.645 min Scan# 1795
 Delta R.T. 0.006 min
 Lab File: BF123996.D
 Acq: 19 May 2021 18:22

Tgt Ion:202 Resp: 419017
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 30.9
 203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.074 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF123996.D

Acq: 19 May 2021 18:22

Tgt Ion:240 Resp: 124709

Ion Ratio Lower Upper

240 100

120 8.9 7.2 10.8

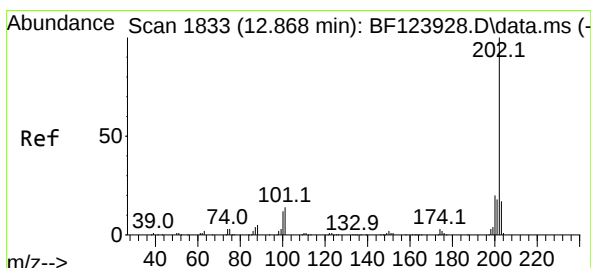
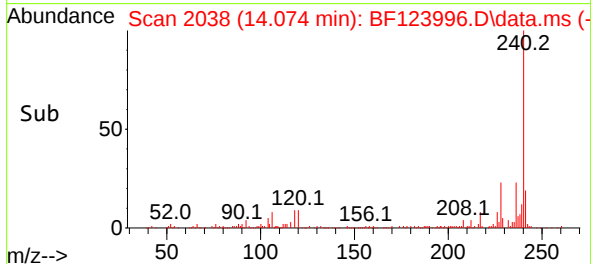
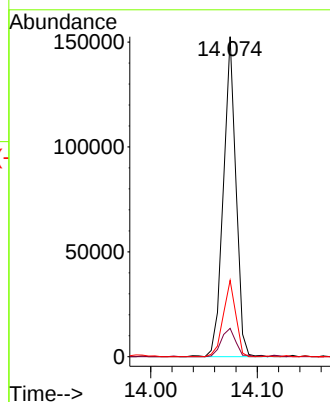
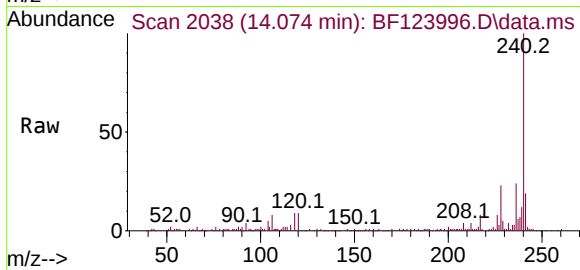
236 23.9 19.0 28.4

Instrument :

BNA_F

ClientSampled :

TP-1



#78

Pyrene

Concen: 33.92 ng

RT: 12.874 min Scan# 1834

Delta R.T. 0.006 min

Lab File: BF123996.D

Acq: 19 May 2021 18:22

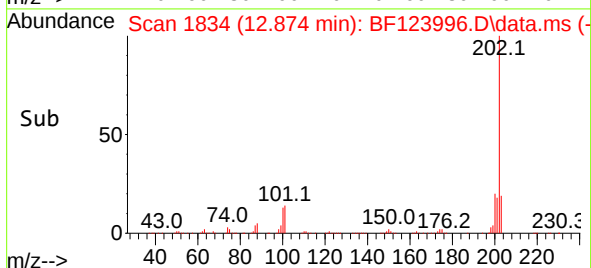
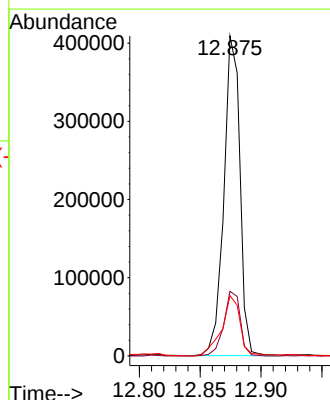
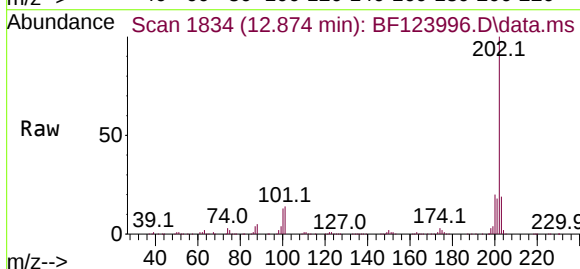
Tgt Ion:202 Resp: 375594

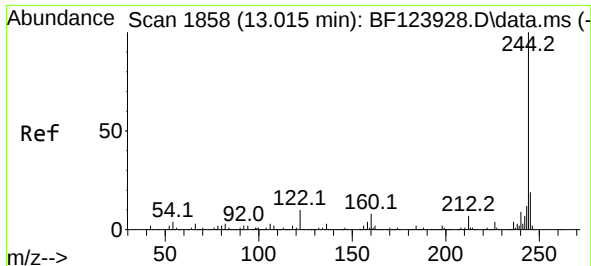
Ion Ratio Lower Upper

202 100

200 20.2 16.1 24.1

203 18.9 14.8 22.2

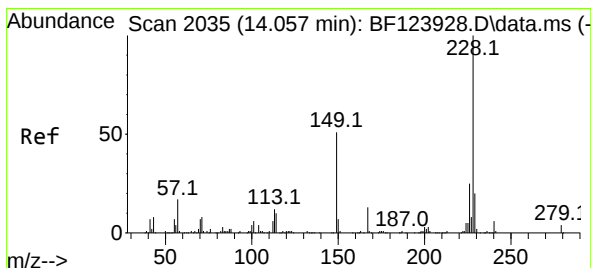
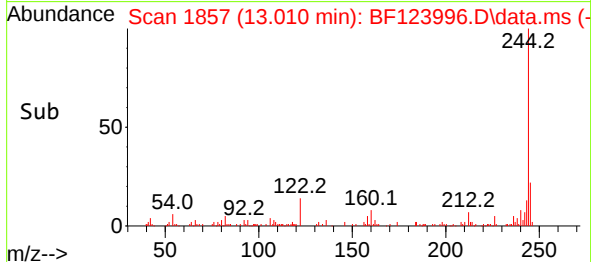
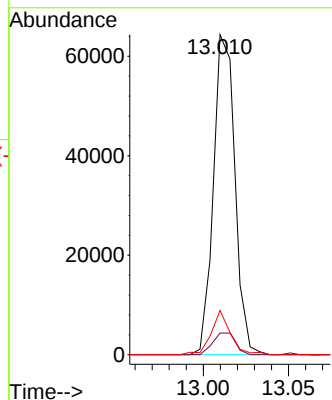
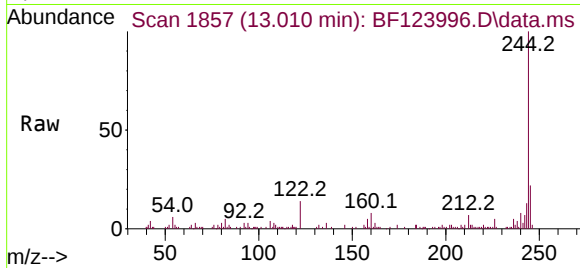




#79
Terphenyl-d14
Concen: 6.86 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

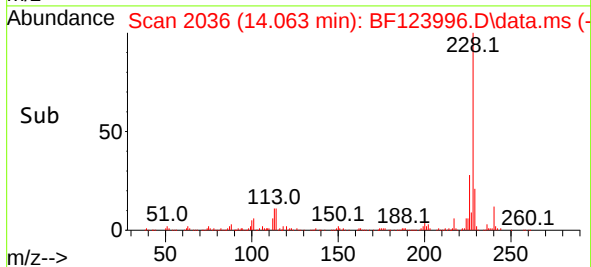
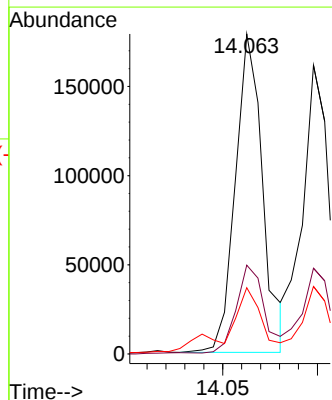
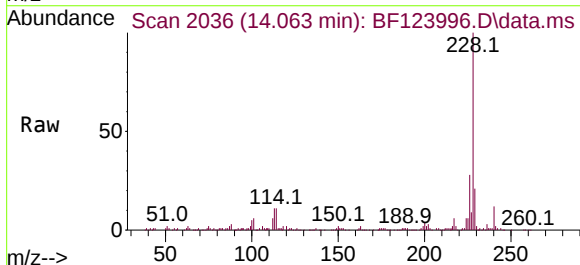
Instrument :
BNA_F
ClientSampleId :
TP-1

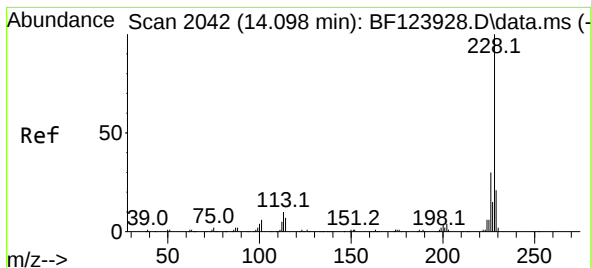
Tgt Ion:244 Resp: 56493
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 13.8 9.7 14.5



#81
Benzo(a)anthracene
Concen: 19.83 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF123996.D
Acq: 19 May 2021 18:22

Tgt Ion:228 Resp: 178892
Ion Ratio Lower Upper
228 100
226 27.7 22.4 33.6
229 20.7 16.0 24.0





#83

Chrysene

Concen: 17.50 ng

RT: 14.098 min Scan# 2042

Delta R.T. 0.000 min

Lab File: BF123996.D

Acq: 19 May 2021 18:22

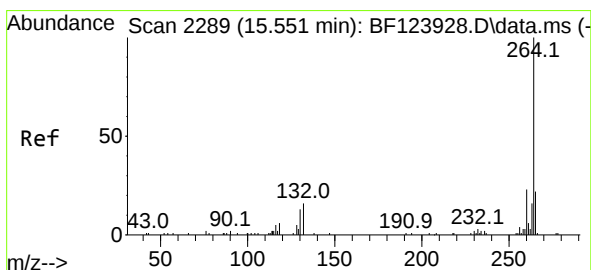
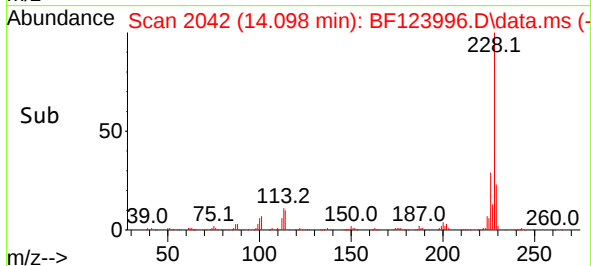
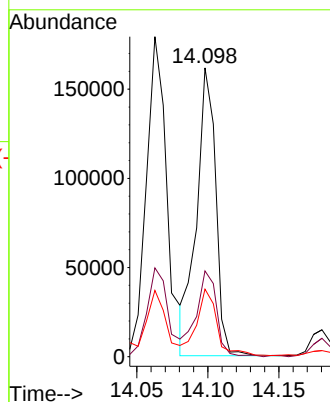
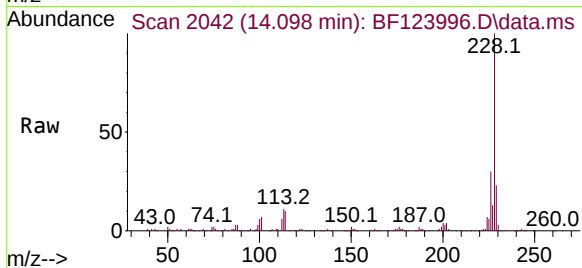
Tgt Ion:228 Resp: 151811

Ion Ratio Lower Upper

228 100

226 29.7 24.3 36.5

229 23.4 16.2 24.2



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.568 min Scan# 2292

Delta R.T. 0.018 min

Lab File: BF123996.D

Acq: 19 May 2021 18:22

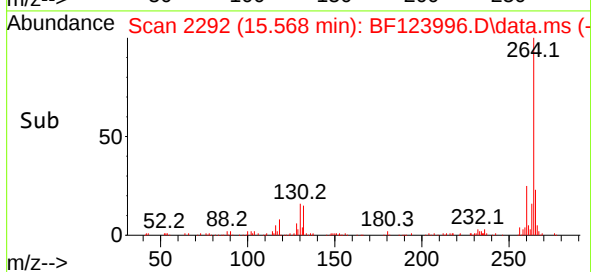
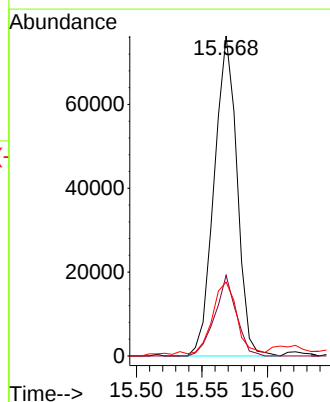
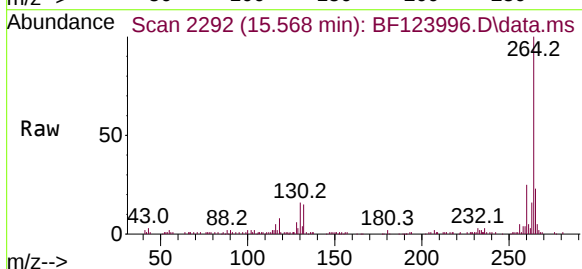
Tgt Ion:264 Resp: 92189

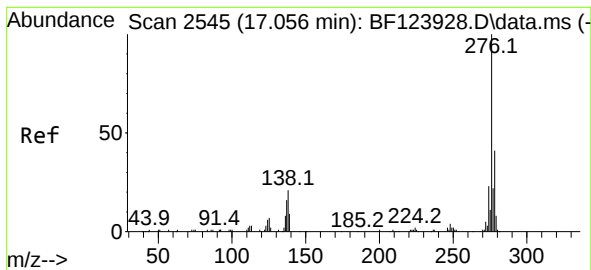
Ion Ratio Lower Upper

264 100

260 25.2 18.7 28.1

265 23.1 17.8 26.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.89 ng

RT: 17.068 min Scan# 2547

Delta R.T. 0.012 min

Lab File: BF123996.D

Acq: 19 May 2021 18:22

Tgt Ion:276 Resp: 70427

Ion Ratio Lower Upper

276 100

138 21.5 16.2 24.2

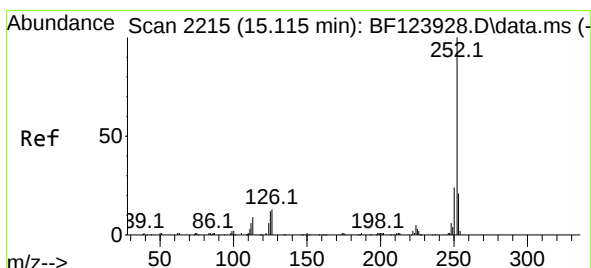
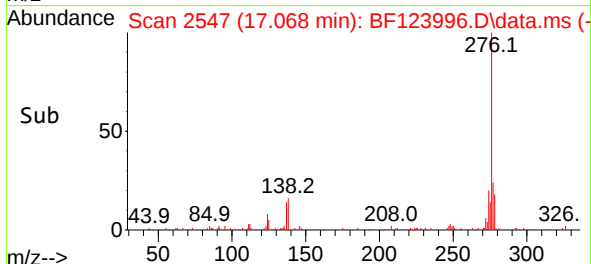
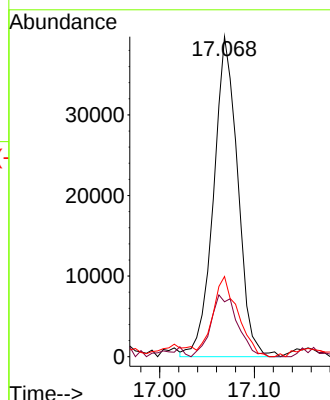
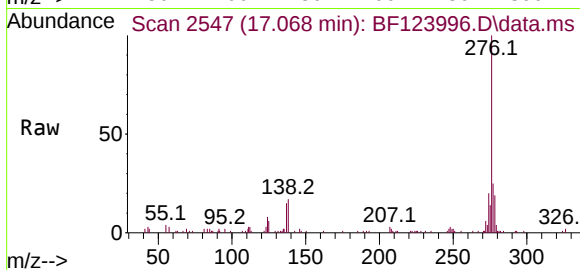
277 25.9 20.1 30.1

Instrument :

BNA_F

ClientSampled :

TP-1



#88

Benzo(b)fluoranthene

Concen: 36.81 ng

RT: 15.133 min Scan# 2218

Delta R.T. 0.018 min

Lab File: BF123996.D

Acq: 19 May 2021 18:22

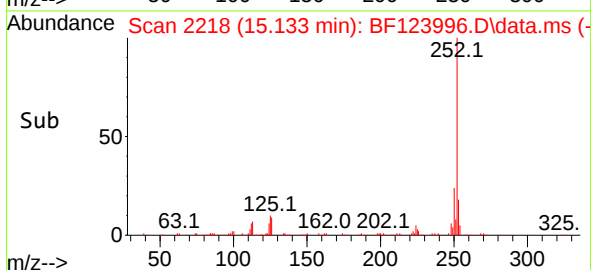
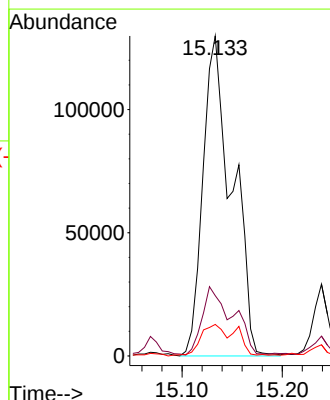
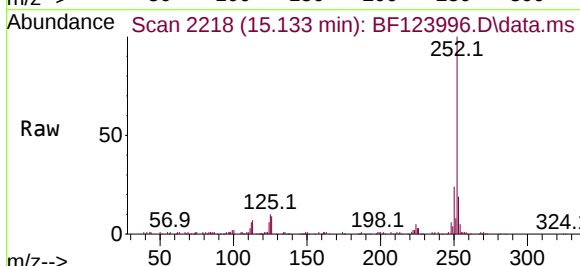
Tgt Ion:252 Resp: 262520

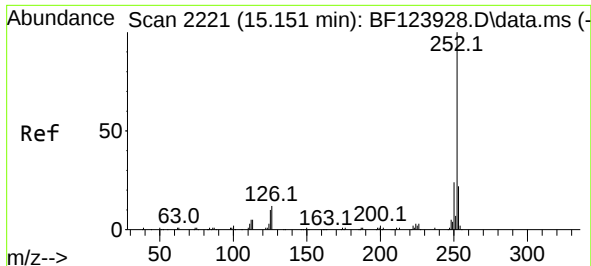
Ion Ratio Lower Upper

252 100

253 18.9 18.1 27.1

125 9.9 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 40.39 ng

RT: 15.133 min Scan# 2218

Delta R.T. -0.017 min

Lab File: BF123996.D

Acq: 19 May 2021 18:22

Tgt Ion:252 Resp: 262520

Ion Ratio Lower Upper

252 100

253 18.9 17.9 26.9

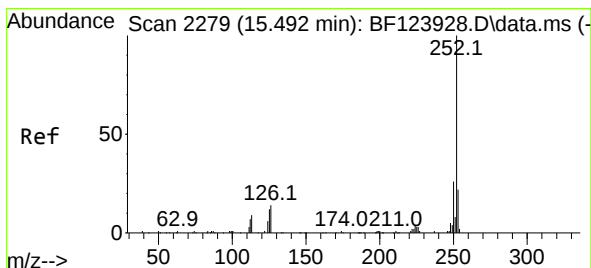
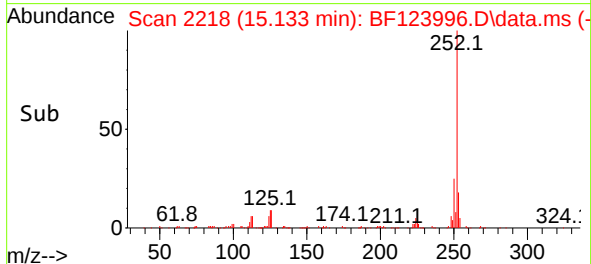
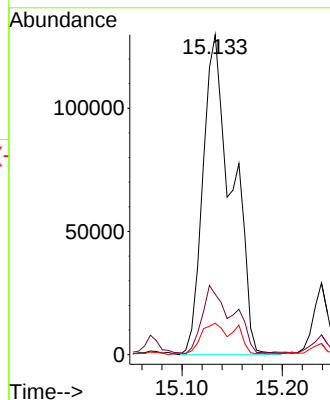
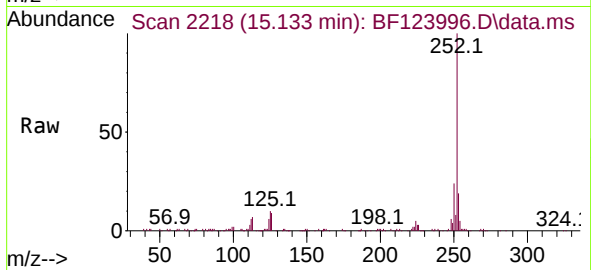
125 9.9 7.0 10.6

Instrument :

BNA_F

ClientSampleId :

TP-1



#90

Benzo(a)pyrene

Concen: 21.22 ng

RT: 15.504 min Scan# 2281

Delta R.T. 0.012 min

Lab File: BF123996.D

Acq: 19 May 2021 18:22

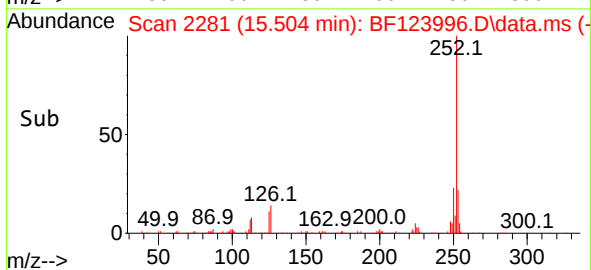
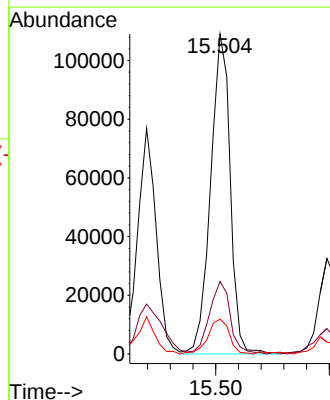
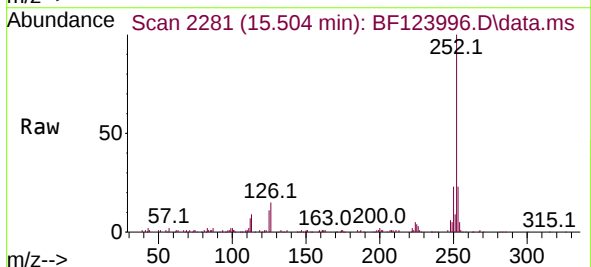
Tgt Ion:252 Resp: 130785

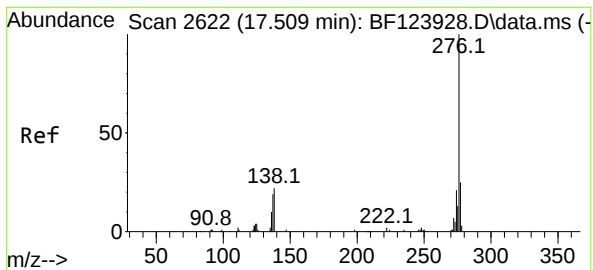
Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

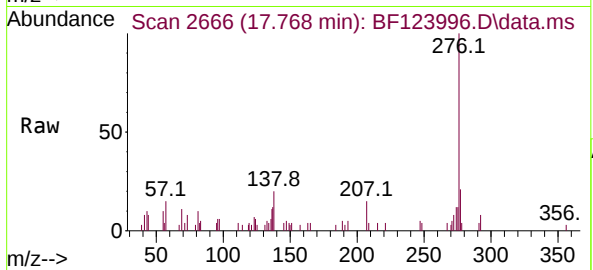
125 10.9 8.0 12.0





#92
 Benzo(g,h,i)perylene
 Concen: 3.14 ng
 RT: 17.768 min Scan# 2666
 Delta R.T. 0.259 min
 Lab File: BF123996.D
 Acq: 19 May 2021 18:22

Instrument :
 BNA_F
 ClientSampleId :
 TP-1



Tgt Ion:	276	Resp:	18878
Ion Ratio	Lower	Upper	
276	100		
277	20.8	18.2	27.2
138	20.5	13.8	20.6

