

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022221\
 Data File : BF123268.D
 Acq On : 22 Feb 2021 20:20
 Operator : JU/CG
 Sample : M1452-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Feb 23 03:51:23 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 19 16:08:53 2021
 Response via : Initial Calibration

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

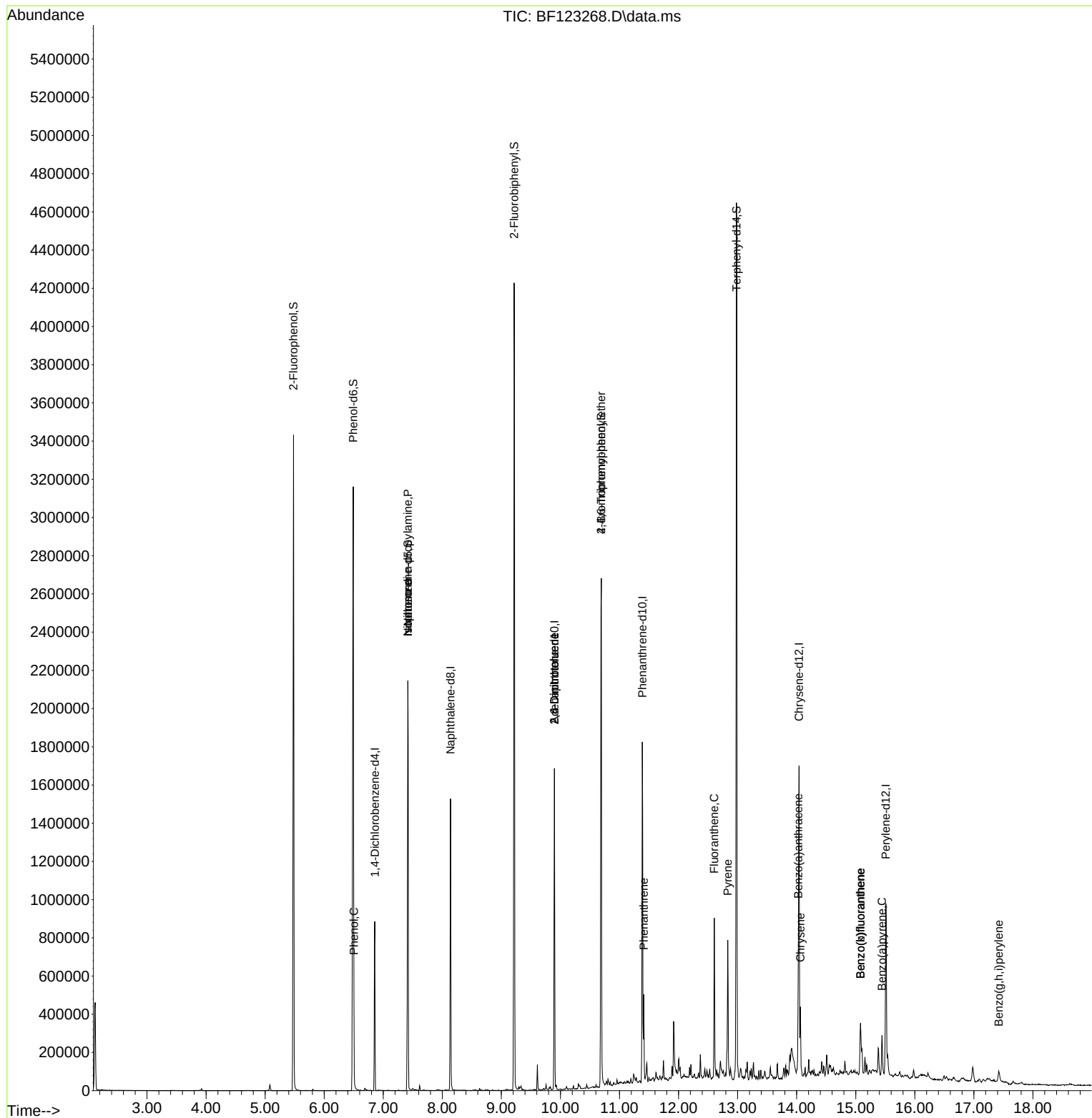
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	115422	20.00	ng	0.00
21) Naphthalene-d8	8.139	136	589003	20.00	ng	# 0.00
39) Acenaphthene-d10	9.898	164	293789	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	604838	20.00	ng	# 0.00
76) Chrysene-d12	14.039	240	467200	20.00	ng	0.00
86) Perylene-d12	15.510	264	370493	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	867045	108.13	ng	0.00
7) Phenol-d6	6.492	99	1114305	102.29	ng	0.00
23) Nitrobenzene-d5	7.416	82	731654	56.86	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	294948	98.59	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1317298	64.41	ng	0.00
79) Terphenyl-d14	12.980	244	1437145	59.15	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.492	77	3076	Below Cal	#	1
10) Phenol	6.504	94	124366	10.48	ng	91
19) n-Nitroso-di-n-propyla...	7.416	70	100866	15.56	ng	# 80
25) Isophorone	7.416	82	727547	30.24	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	36864	7.28	ng	# 31
57) 2,4-Dinitrotoluene	9.898	165	36864	5.41	ng	# 26
67) 4-Bromophenyl-phenylether	10.692	248	22038	3.34	ng	# 1
71) Phenanthrene	11.410	178	143198	4.00	ng	97
75) Fluoranthene	12.604	202	283526	7.48	ng	98
78) Pyrene	12.833	202	267149	7.32	ng	98
81) Benzo(a)anthracene	14.027	228	126076	3.97	ng	99
83) Chrysene	14.063	228	116697	3.74	ng	97
88) Benzo(b)fluoranthene	15.080	252	179404	6.89	ng	98
89) Benzo(k)fluoranthene	15.080	252	179404	7.60	ng	98
90) Benzo(a)pyrene	15.445	252	90468	3.90	ng	# 98
92) Benzo(g,h,i)perylene	17.421	276	45017	2.22	ng	96

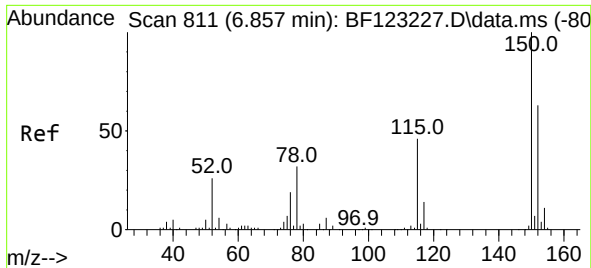
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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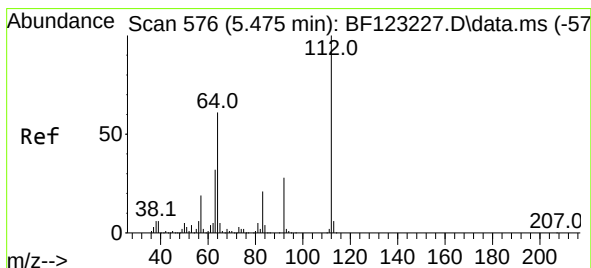
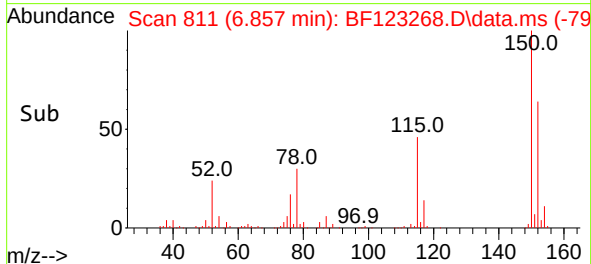
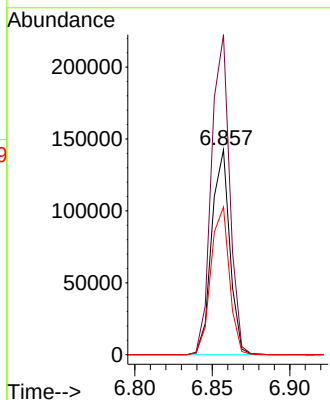
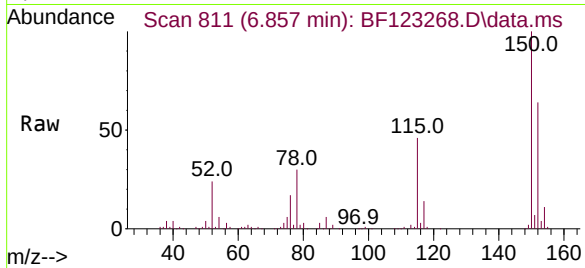




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

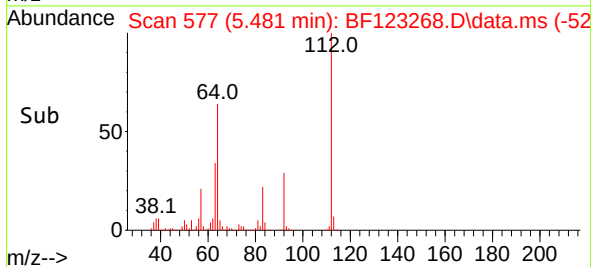
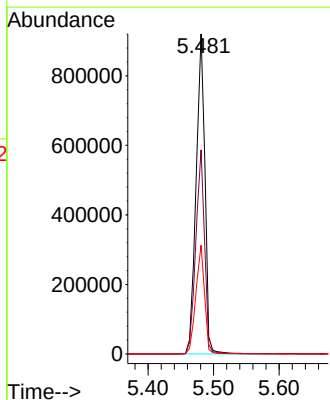
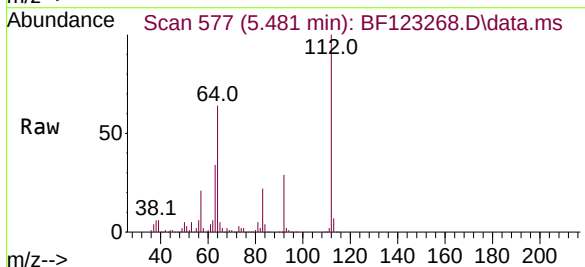
Instrument :
BNA_F
ClientSampled :
TP-2

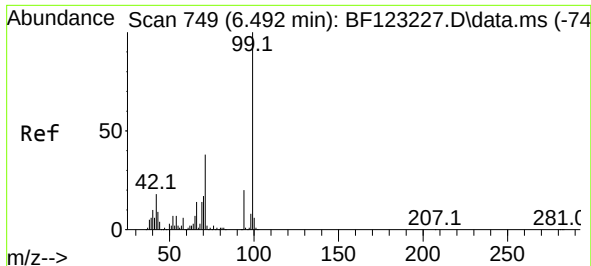
Tgt Ion:152 Resp: 115422
Ion Ratio Lower Upper
152 100
150 156.2 125.8 188.6
115 72.1 49.3 73.9



#5
2-Fluorophenol
Concen: 108.13 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

Tgt Ion:112 Resp: 867045
Ion Ratio Lower Upper
112 100
64 63.8 46.9 70.3
63 34.0 24.5 36.7



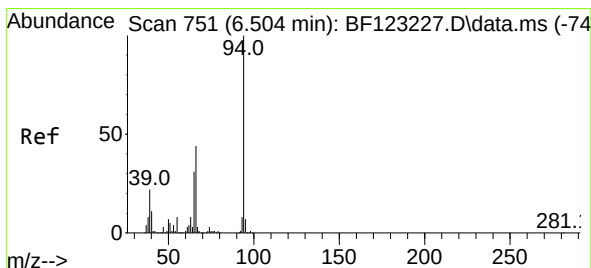
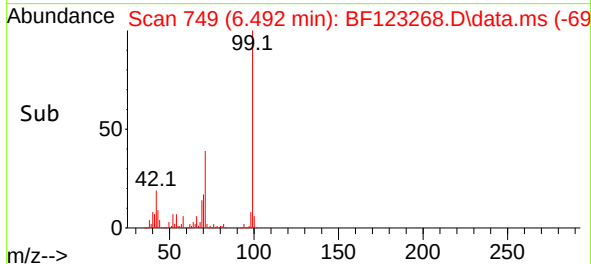
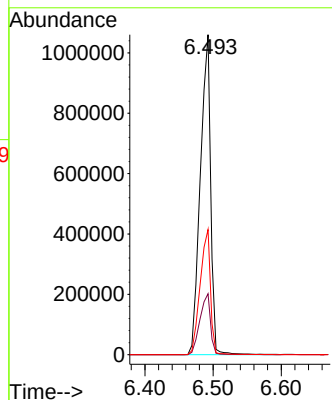
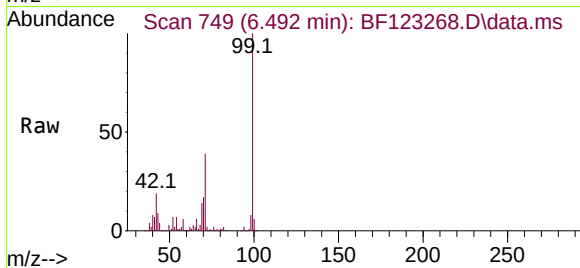


#7
Phenol-d6
Concen: 102.29 ng
RT: 6.492 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion: 99 Resp: 1114305

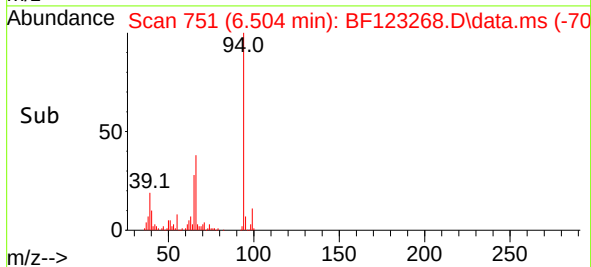
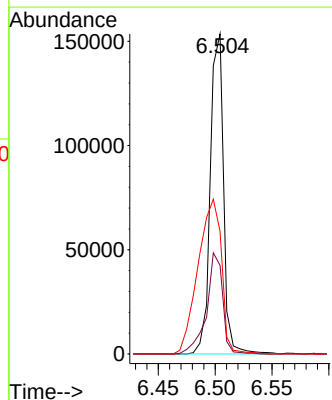
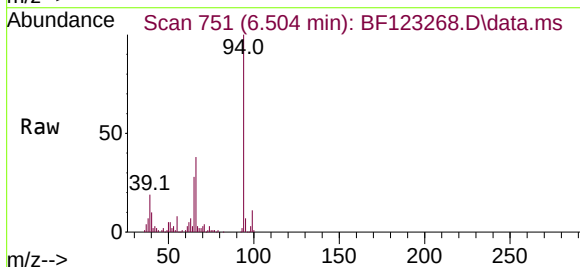
Ion	Ratio	Lower	Upper
99	100		
42	19.1	13.8	20.6
71	39.1	26.9	40.3

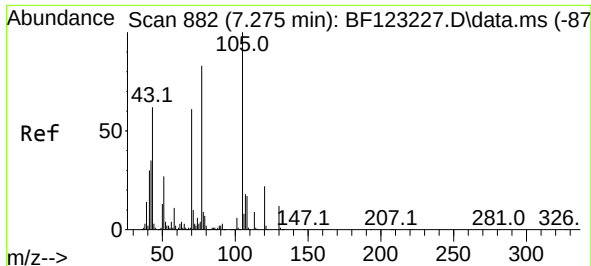


#10
Phenol
Concen: 10.48 ng
RT: 6.504 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

Tgt Ion: 94 Resp: 124366

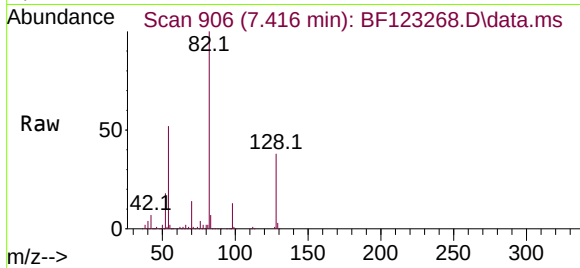
Ion	Ratio	Lower	Upper
94	100		
65	27.7	11.2	51.2
66	38.4	25.8	65.8



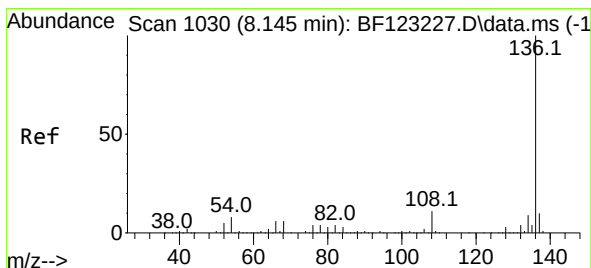
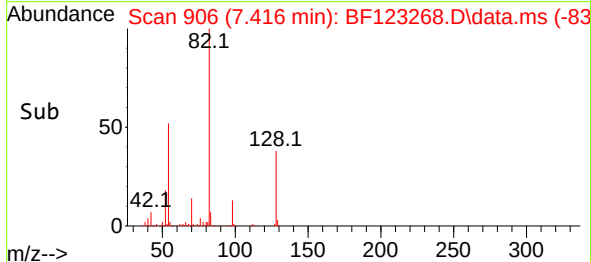
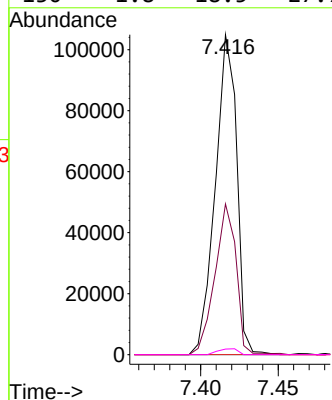


#19
n-Nitroso-di-n-propylamine
Concen: 15.56 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

Instrument :
BNA_F
ClientSampled :
TP-2

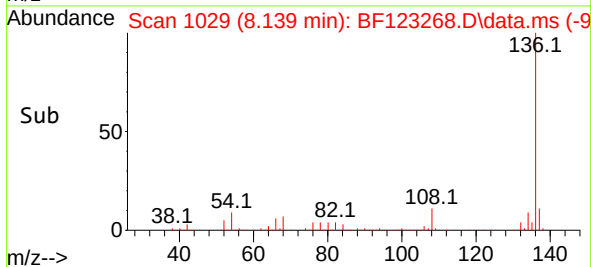
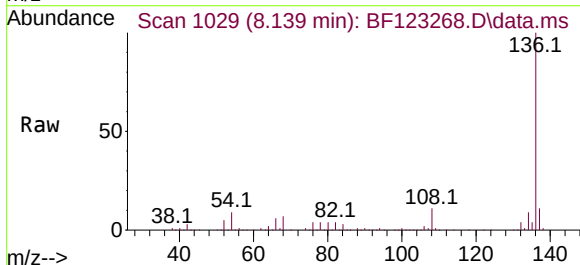
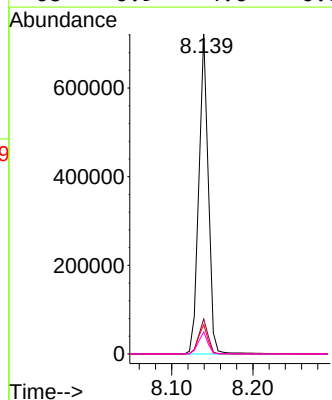


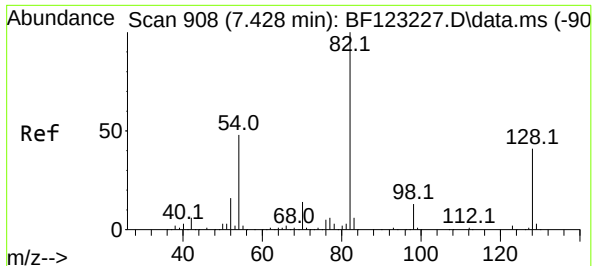
Tgt Ion: 70 Resp: 100866
Ion Ratio Lower Upper
70 100
42 47.1 43.0 64.4
101 0.0 7.9 11.9#
130 1.8 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

Tgt Ion: 136 Resp: 589003
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.2 5.5 8.3#
68 6.9 4.6 6.8#

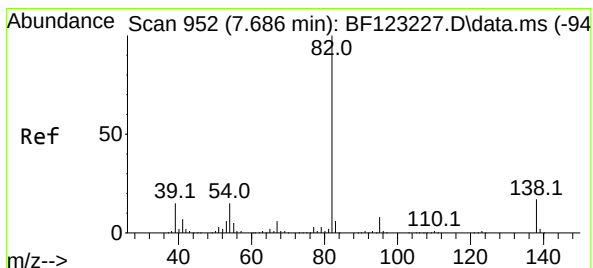
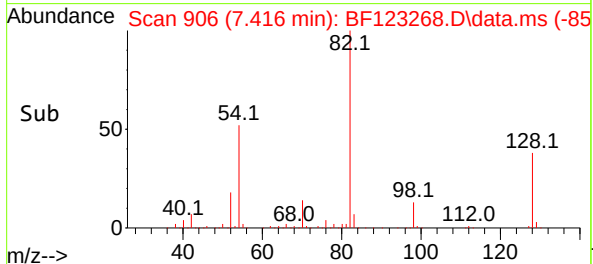
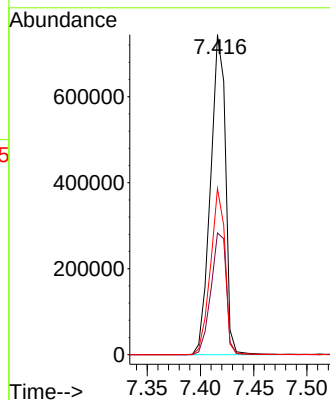
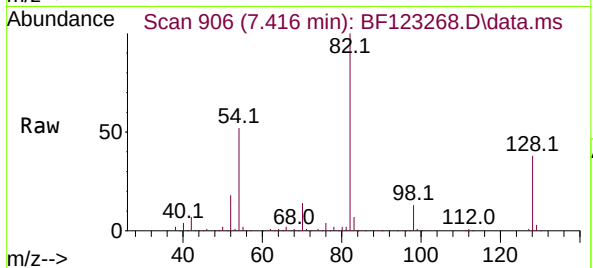




#23
Nitrobenzene-d5
Concen: 56.86 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

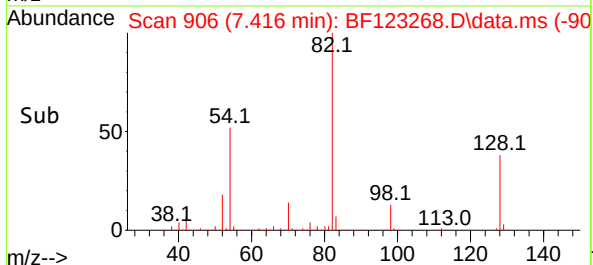
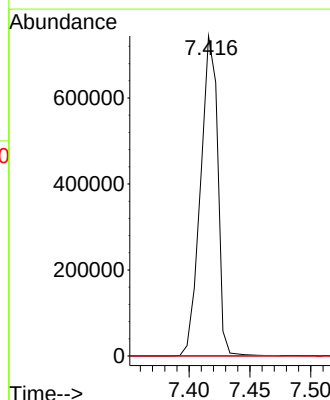
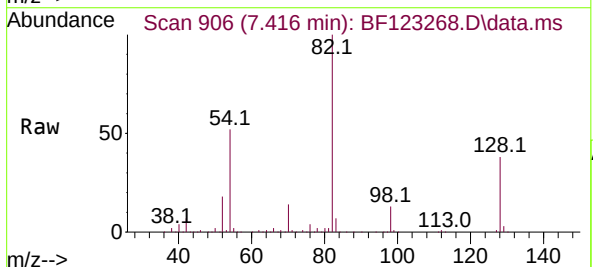
Instrument :
BNA_F
ClientSampled :
TP-2

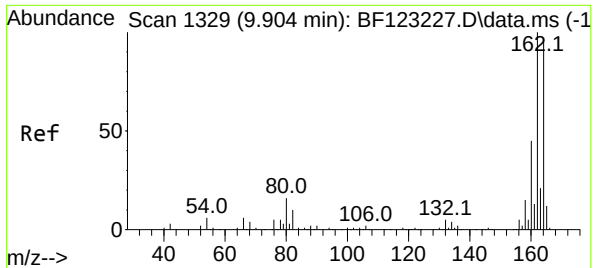
Tgt Ion: 82 Resp: 731654
Ion Ratio Lower Upper
82 100
128 38.1 37.0 55.4
54 51.9 38.4 57.6



#25
Isophorone
Concen: 30.24 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.270 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

Tgt Ion: 82 Resp: 727547
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



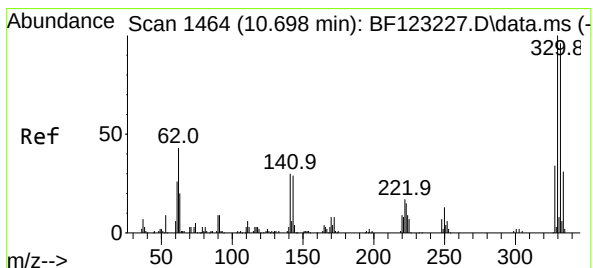
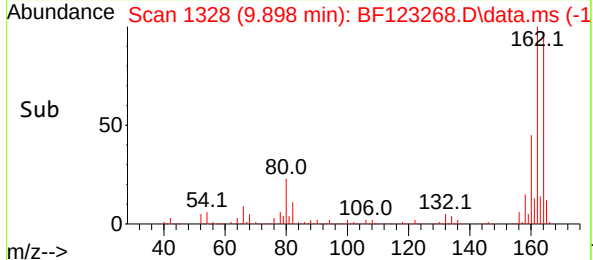
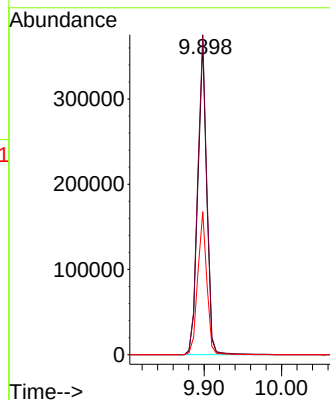
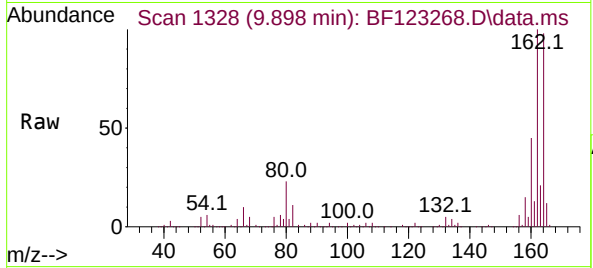


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:164 Resp: 293789

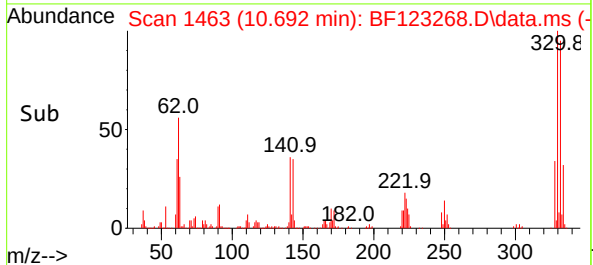
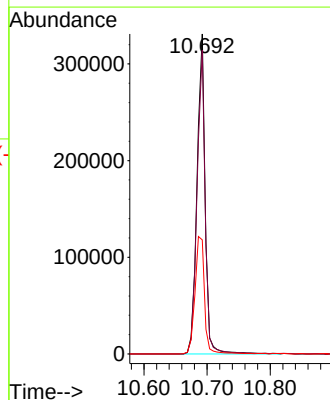
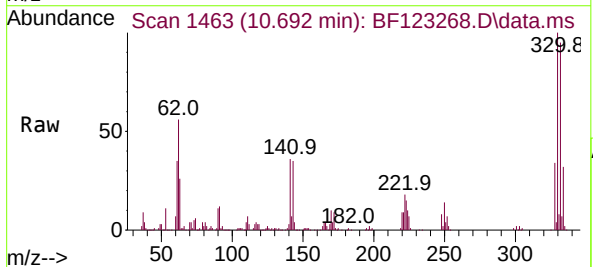
Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.8	121.2
160	45.7	35.4	53.0

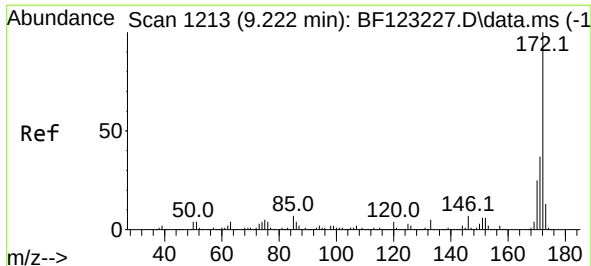


#42
2,4,6-Tribromophenol
Concen: 98.59 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

Tgt Ion:330 Resp: 294948

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.5	116.3
141	43.0	23.8	35.8

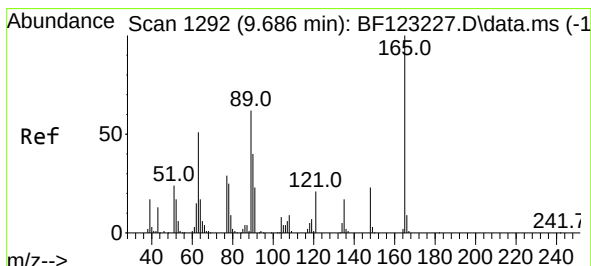
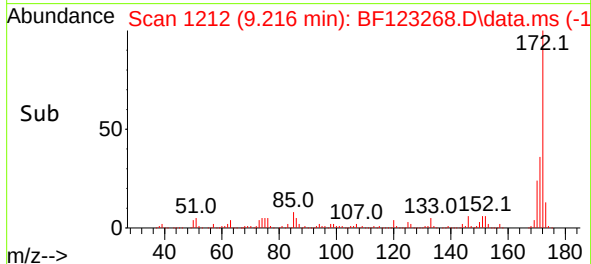
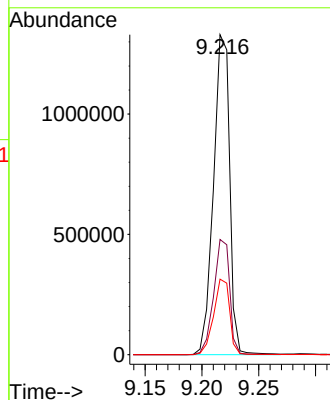
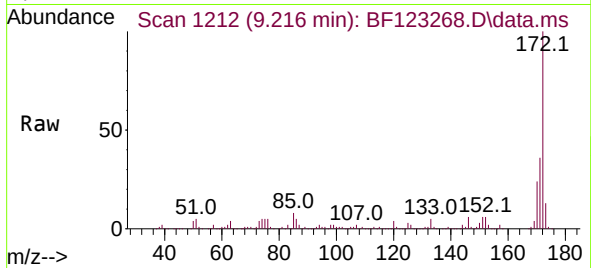




#45
2-Fluorobiphenyl
Concen: 64.41 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

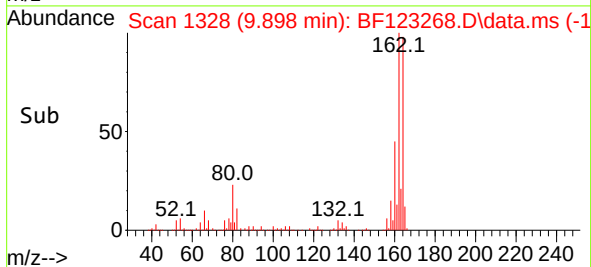
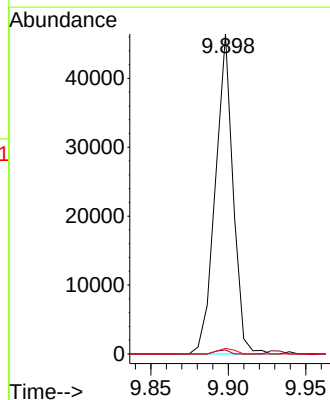
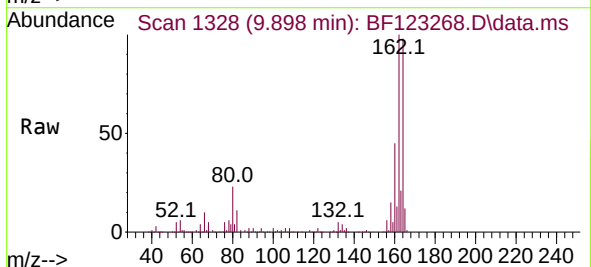
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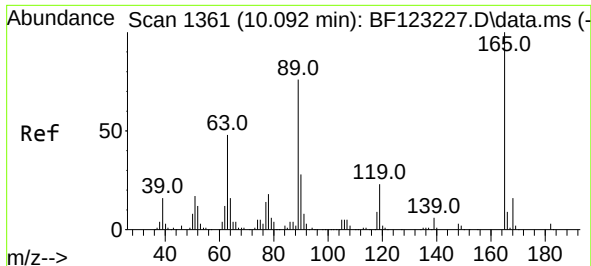
Tgt Ion:172 Resp: 1317298
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 23.6 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 7.28 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.212 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

Tgt Ion:165 Resp: 36864
Ion Ratio Lower Upper
165 100
63 1.3 36.6 55.0#
89 1.8 39.4 59.0#

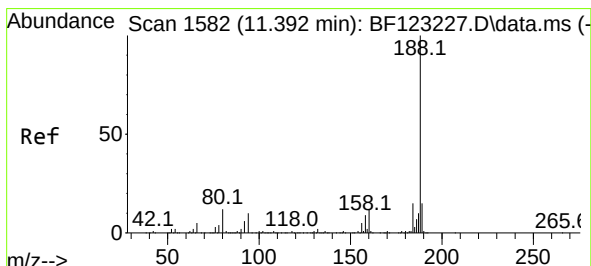
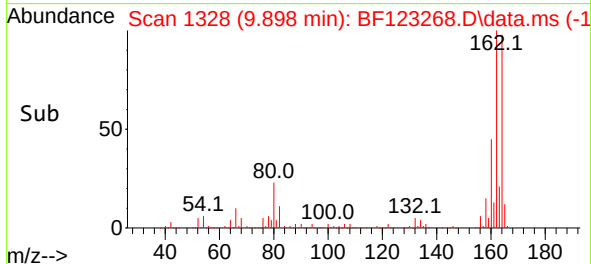
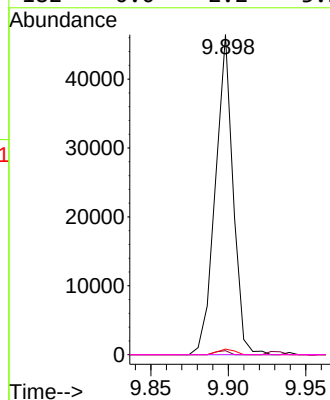
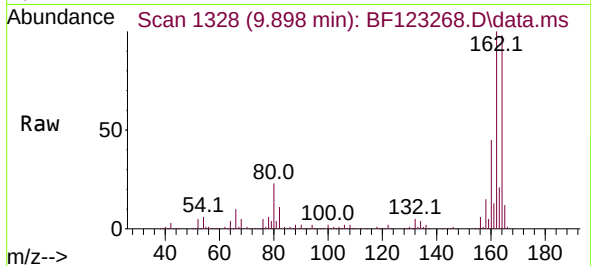




#57
2,4-Dinitrotoluene
Concen: 5.41 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

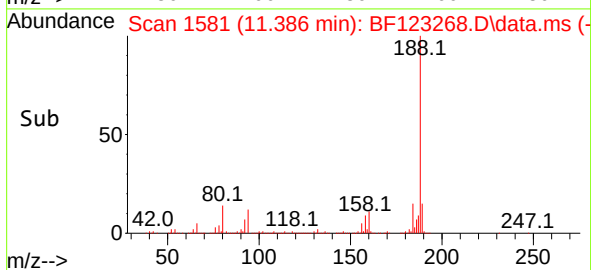
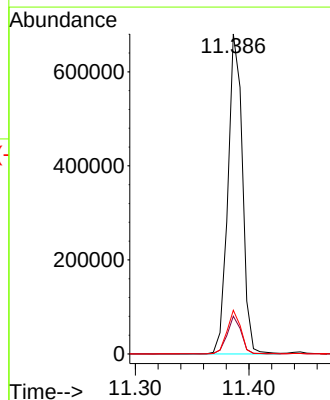
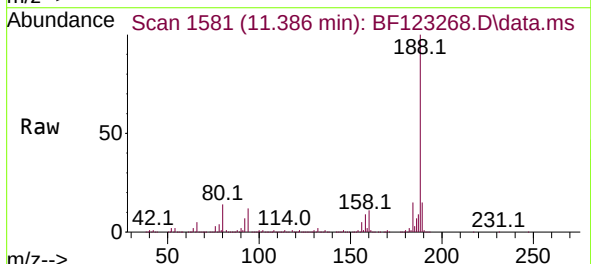
Instrument :
BNA_F
ClientSampleId :
TP-2

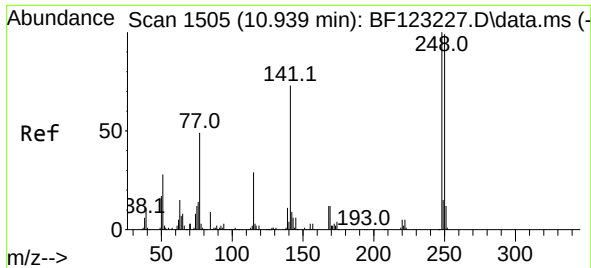
Tgt Ion:165	Resp:	36864
Ion Ratio	Lower	Upper
165	100	
63	1.3	34.3 51.5#
89	1.8	55.2 82.8#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

Tgt Ion:188	Resp:	604838
Ion Ratio	Lower	Upper
188	100	
94	11.8	7.4 11.2#
80	13.6	8.2 12.4#

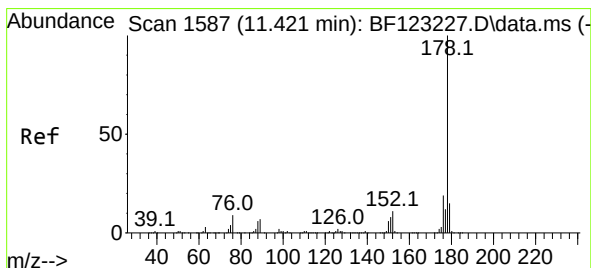
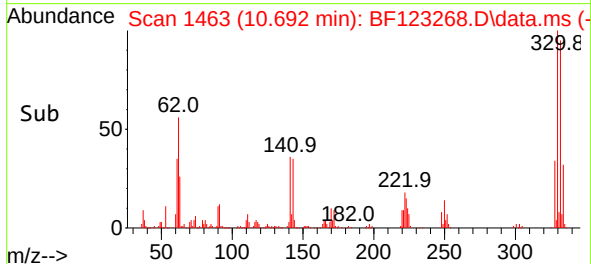
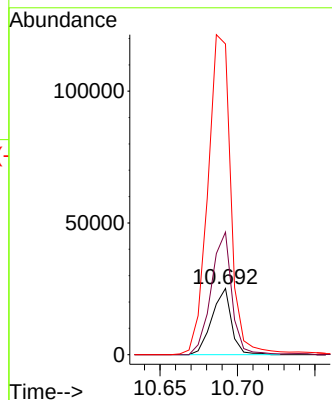
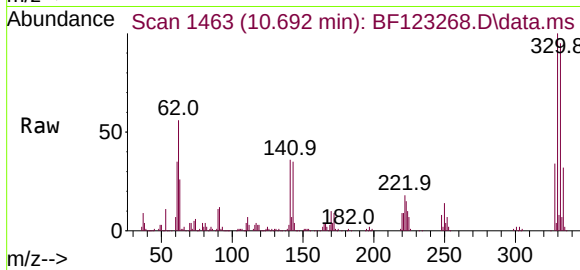




#67
4-Bromophenyl-phenylether
Concen: 3.34 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

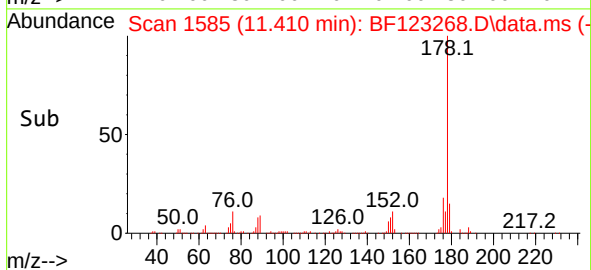
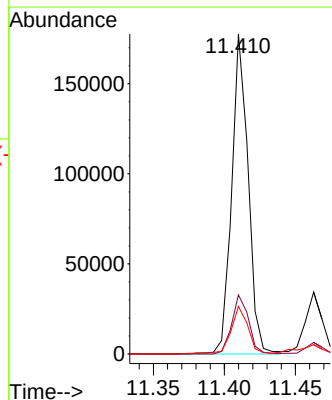
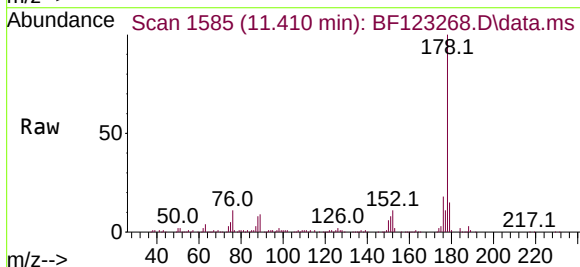
Instrument :
BNA_F
ClientSampled :
TP-2

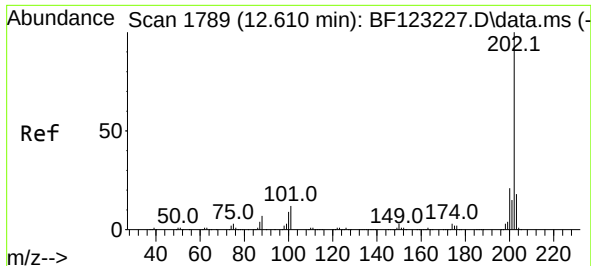
Tgt Ion:248 Resp: 22038
Ion Ratio Lower Upper
248 100
250 185.1 76.8 115.2#
141 469.4 59.8 89.8#



#71
Phenanthrene
Concen: 4.00 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

Tgt Ion:178 Resp: 143198
Ion Ratio Lower Upper
178 100
176 18.4 16.2 24.2
179 14.8 12.7 19.1

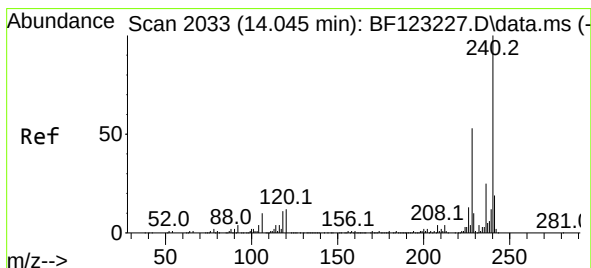
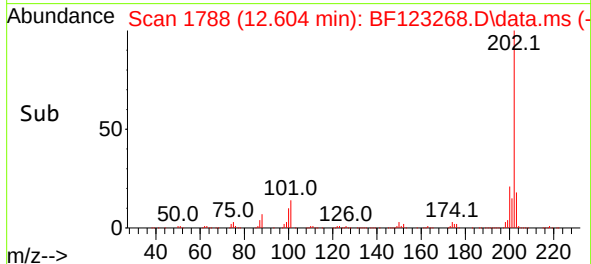
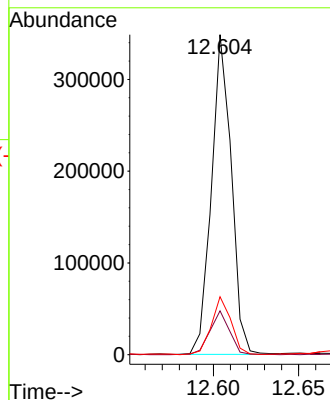
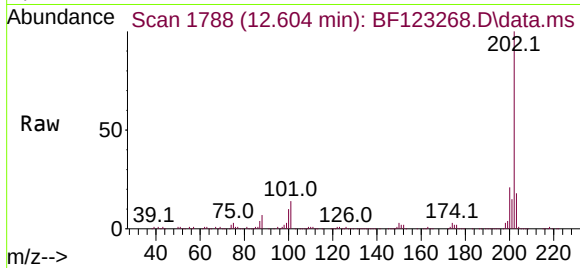




#75
Fluoranthene
Concen: 7.48 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

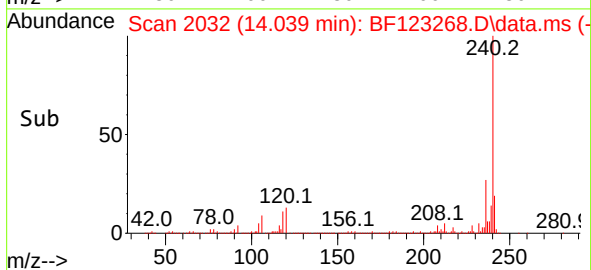
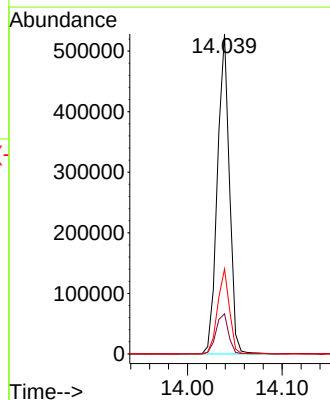
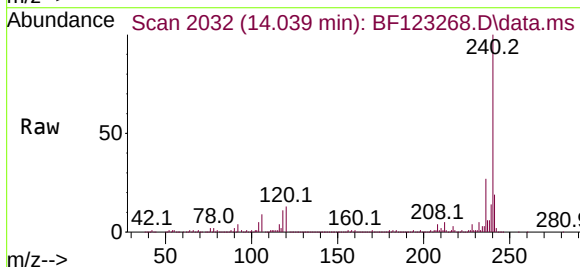
Instrument :
BNA_F
ClientSampleId :
TP-2

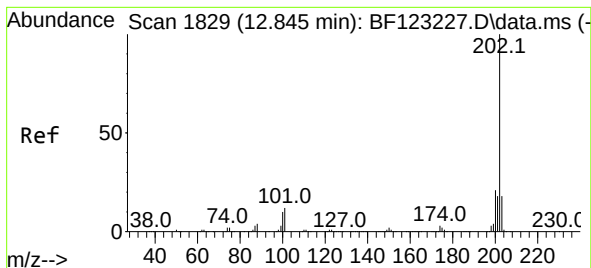
Tgt Ion:202 Resp: 283526
Ion Ratio Lower Upper
202 100
101 13.7 0.0 32.2
203 18.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

Tgt Ion:240 Resp: 467200
Ion Ratio Lower Upper
240 100
120 12.6 8.6 12.8
236 26.5 20.3 30.5





#78

Pyrene

Concen: 7.32 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.012 min

Lab File: BF123268.D

Acq: 22 Feb 2021 20:20

Instrument :

BNA_F

ClientSampled :

TP-2

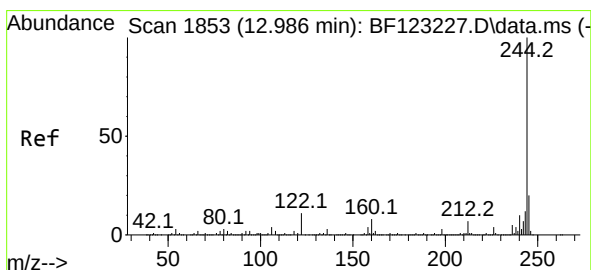
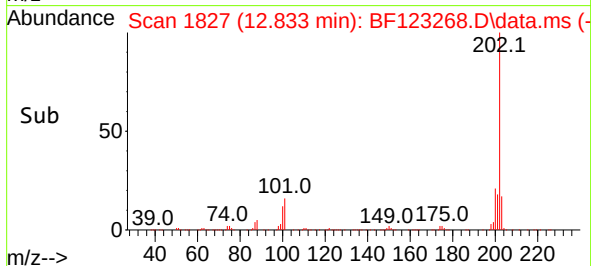
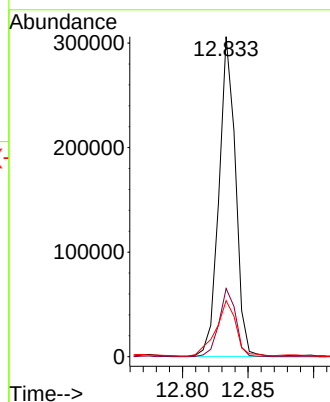
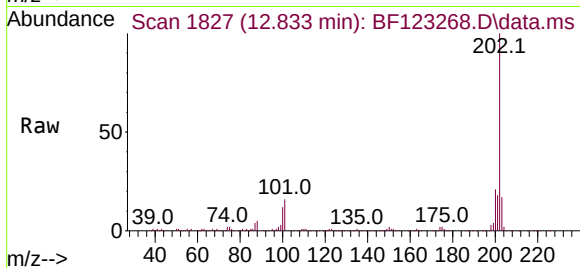
Tgt Ion:202 Resp: 267149

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

203 17.5 14.6 21.8



#79

Terphenyl-d14

Concen: 59.15 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BF123268.D

Acq: 22 Feb 2021 20:20

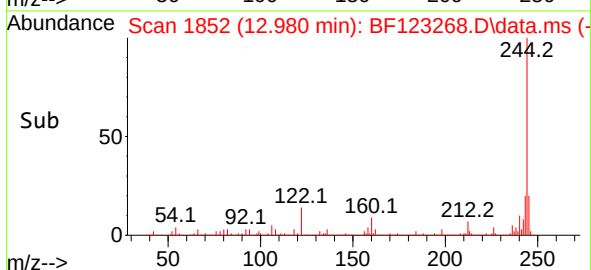
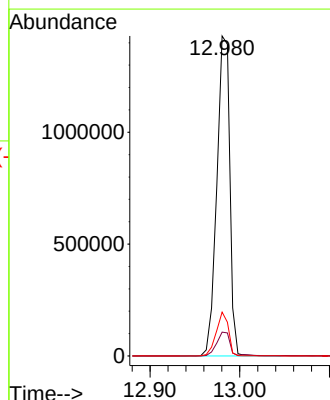
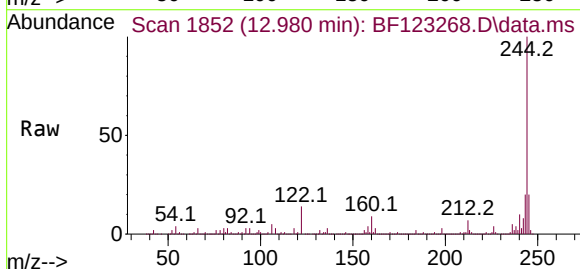
Tgt Ion:244 Resp: 1437145

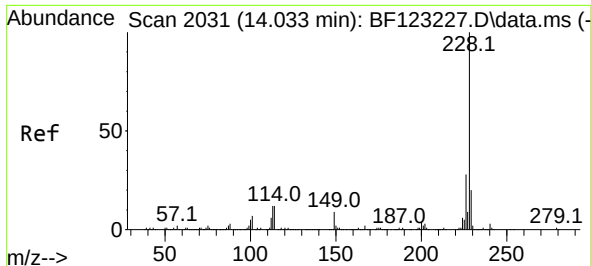
Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

122 13.7 8.3 12.5#

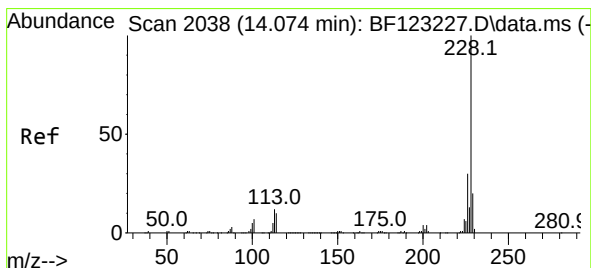
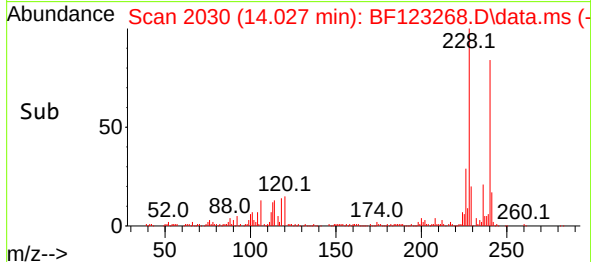
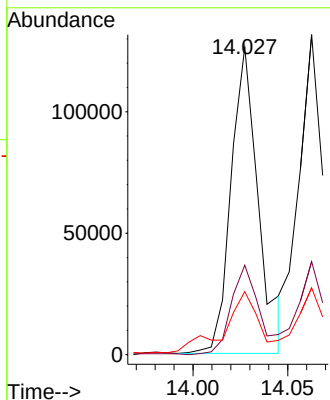
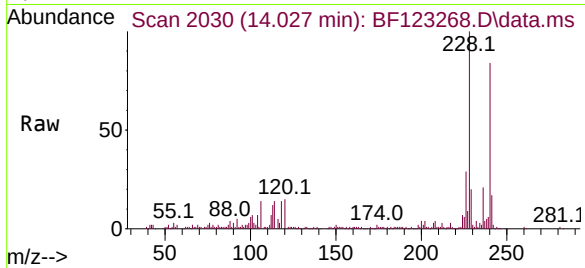




#81
Benzo(a)anthracene
Concen: 3.97 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

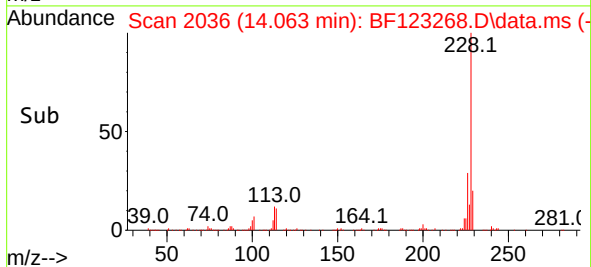
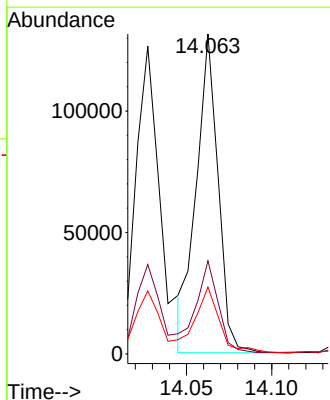
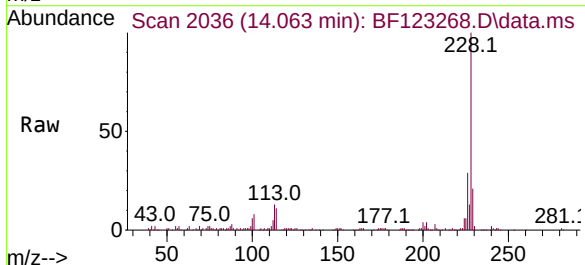
Instrument :
BNA_F
ClientSampled :
TP-2

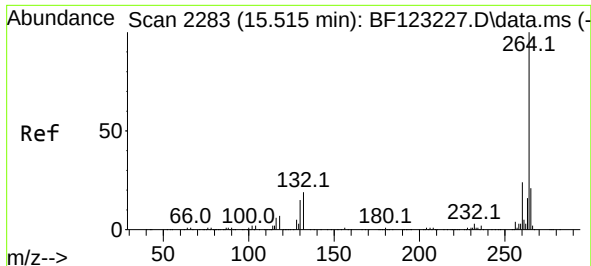
Tgt Ion:228 Resp: 126076
Ion Ratio Lower Upper
228 100
226 29.1 23.0 34.4
229 20.5 16.6 24.8



#83
Chrysene
Concen: 3.74 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

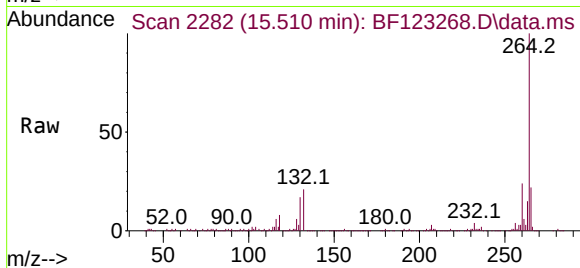
Tgt Ion:228 Resp: 116697
Ion Ratio Lower Upper
228 100
226 29.1 24.6 36.8
229 20.9 15.8 23.6



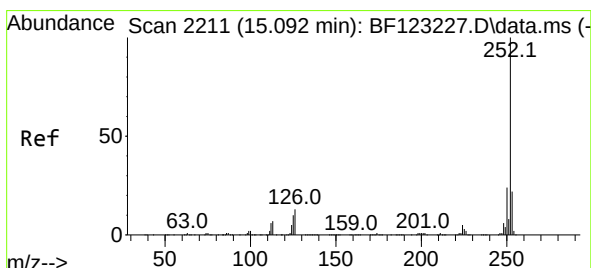
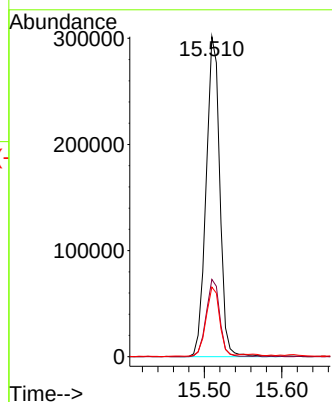
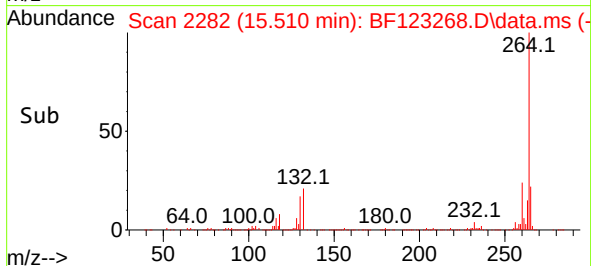


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.510 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20

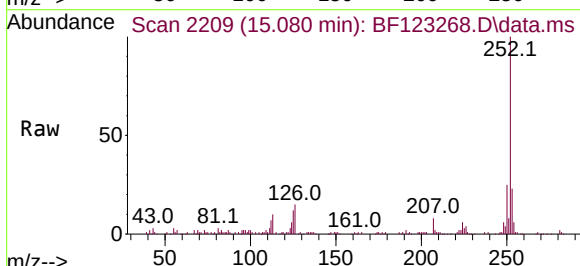
Instrument :
BNA_F
ClientSampleId :
TP-2



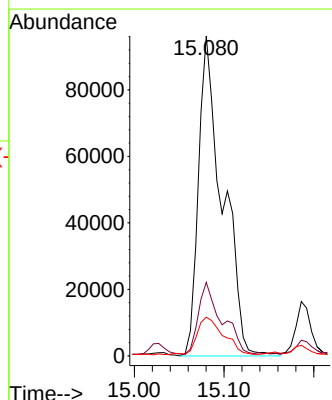
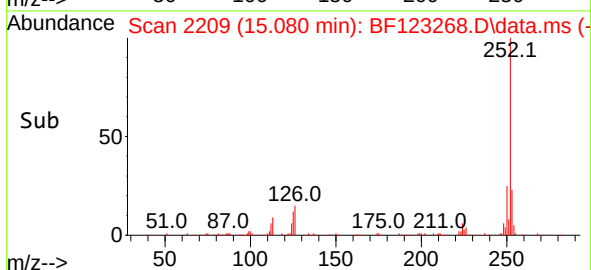
Tgt Ion:264 Resp: 370493
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 21.7 17.0 25.6

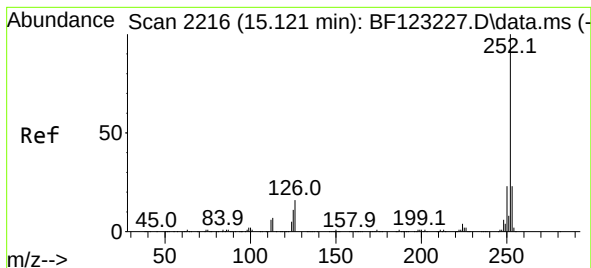


#88
Benzo(b)fluoranthene
Concen: 6.89 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.012 min
Lab File: BF123268.D
Acq: 22 Feb 2021 20:20



Tgt Ion:252 Resp: 179404
Ion Ratio Lower Upper
252 100
253 23.0 18.3 27.5
125 12.1 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 7.60 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.041 min

Lab File: BF123268.D

Acq: 22 Feb 2021 20:20

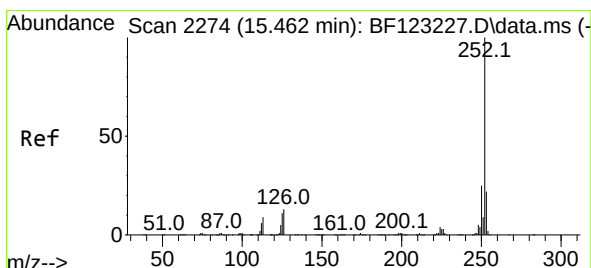
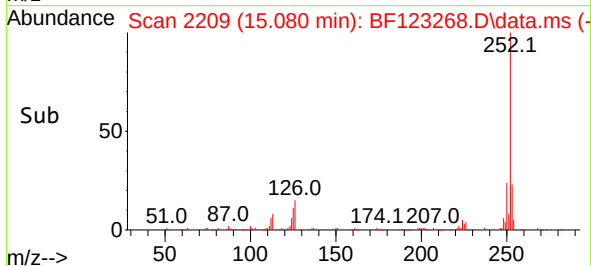
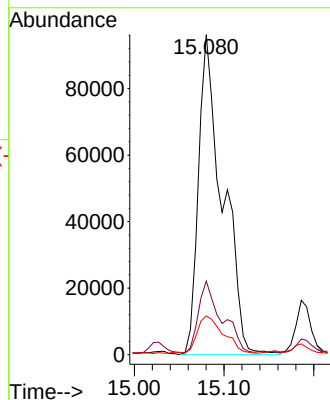
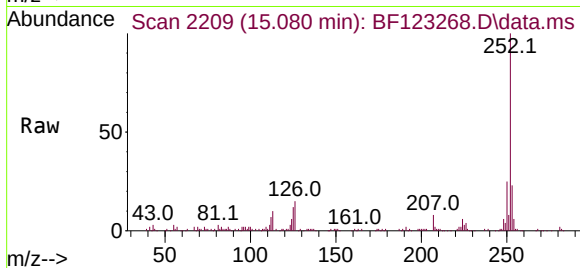
Tgt Ion:252 Resp: 179404

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 12.1 8.4 12.6



#90

Benzo(a)pyrene

Concen: 3.90 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.018 min

Lab File: BF123268.D

Acq: 22 Feb 2021 20:20

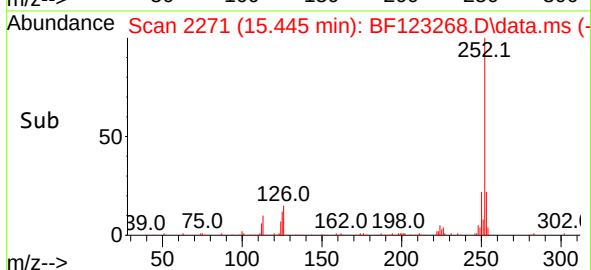
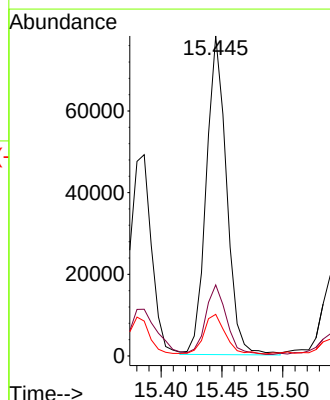
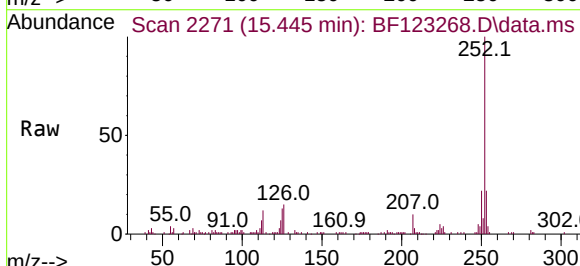
Tgt Ion:252 Resp: 90468

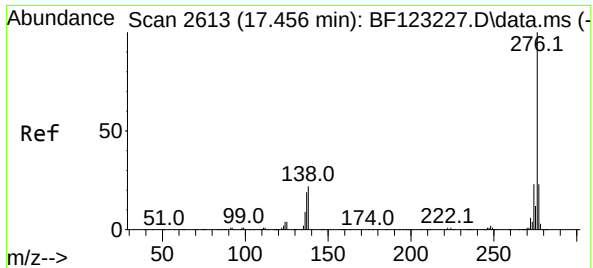
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 13.0 8.6 12.8#





#92
 Benzo(g,h,i)perylene
 Concen: 2.22 ng
 RT: 17.421 min Scan# 2607
 Delta R.T. -0.035 min
 Lab File: BF123268.D
 Acq: 22 Feb 2021 20:20

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tgt Ion:	276	Resp:	45017
Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.3	28.9
138	23.4	16.6	24.8

