

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102220\
 Data File : BF122094.D
 Acq On : 22 Oct 2020 20:36
 Operator : JU/CG
 Sample : L4436-11 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 37B

Quant Time: Oct 23 00:48:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 12:04:42 2020
 Response via : Initial Calibration

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

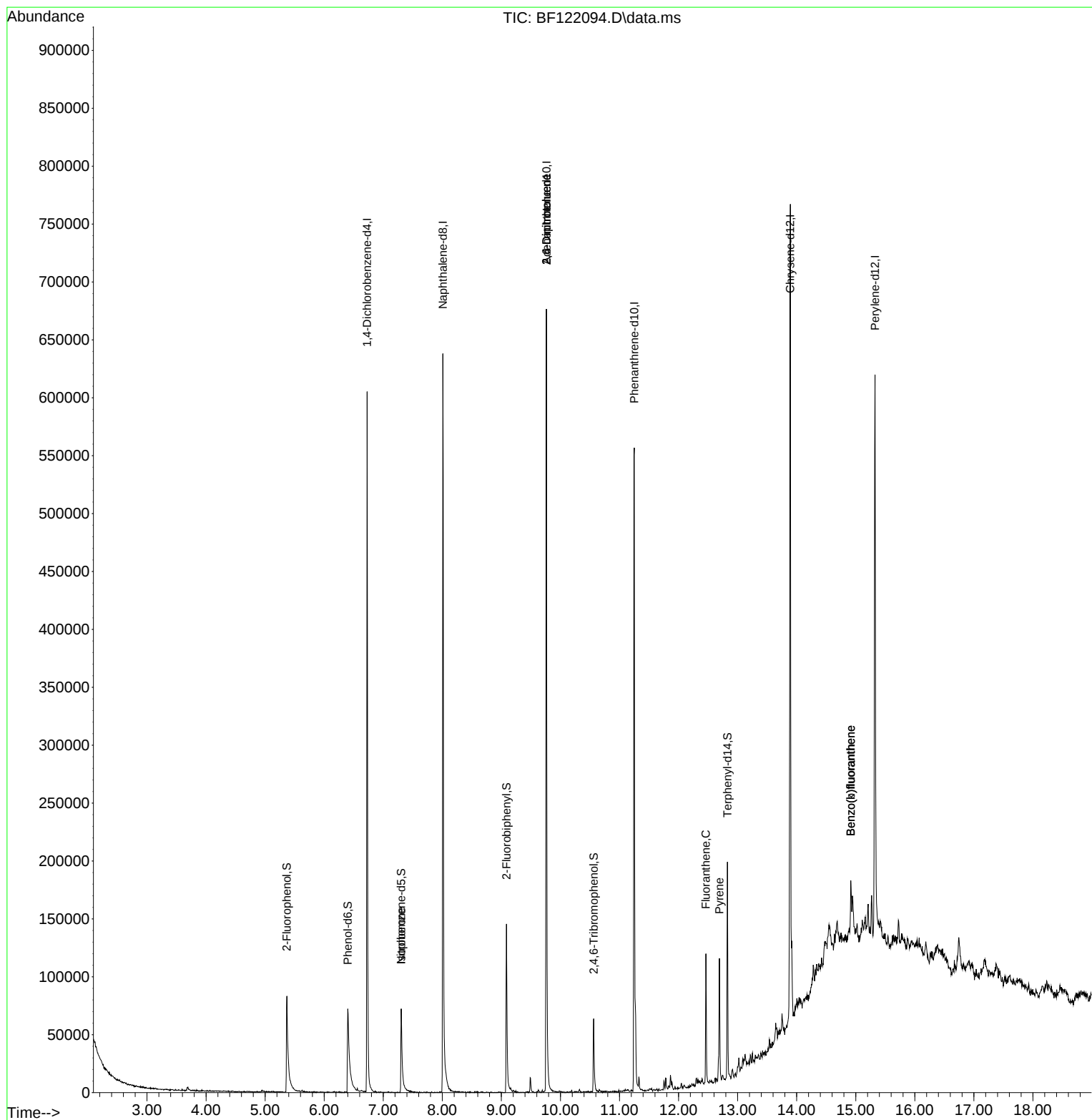
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	90908	20.00	ng	0.00
21) Naphthalene-d8	8.010	136	340292	20.00	ng	0.00
39) Acenaphthene-d10	9.763	164	148918	20.00	ng	0.00
64) Phenanthrene-d10	11.251	188	241455	20.00	ng	0.00
76) Chrysene-d12	13.892	240	244569	20.00	ng	0.00
86) Perylene-d12	15.327	264	219360	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	54220	8.80	ng	0.02
7) Phenol-d6	6.398	99	64116	8.09	ng	0.02
23) Nitrobenzene-d5	7.304	82	43833	6.61	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	11618	6.31	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	68667	6.78	ng	0.00
79) Terphenyl-d14	12.827	244	55644	4.34	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.304	82	43833	3.49	ng	# 67
51) 2,6-Dinitrotoluene	9.763	165	18370	7.69	ng	# 19
57) 2,4-Dinitrotoluene	9.763	165	18370	6.25	ng	# 18
75) Fluoranthene	12.463	202	43734	3.08	ng	99
78) Pyrene	12.692	202	43144	2.31	ng	100
88) Benzo(b)fluoranthene	14.915	252	32200	2.17	ng	# 88
89) Benzo(k)fluoranthene	14.915	252	32200	2.29	ng	# 87

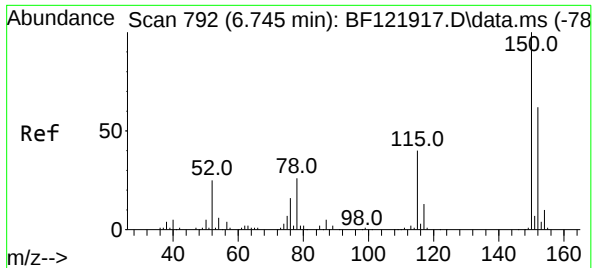
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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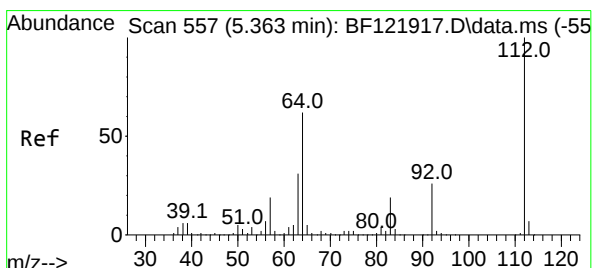
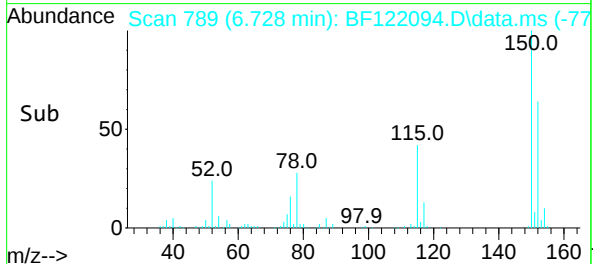
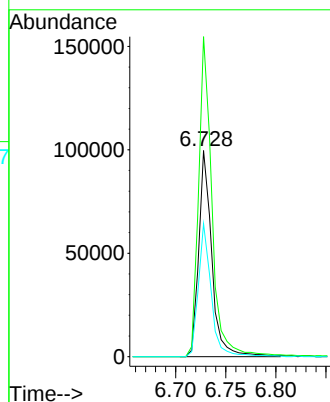
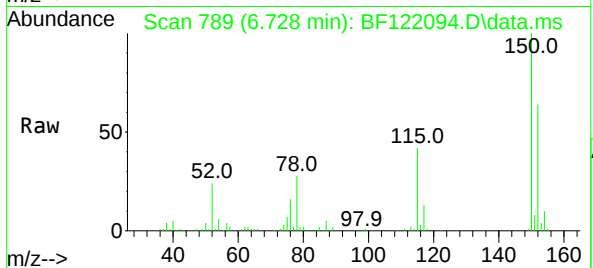




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.728 min Scan# 789
 Delta R.T. -0.000 min
 Lab File: BF122094.D
 Acq: 22 Oct 2020 20:36

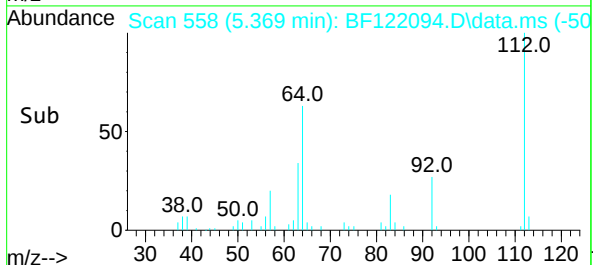
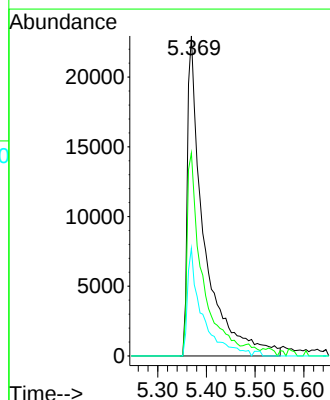
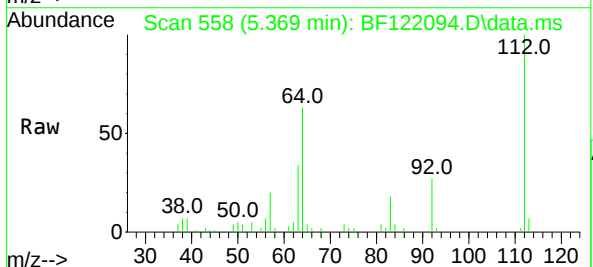
Instrument :
 BNA_F
 ClientSampled :
 37B

Tgt Ion:152 Resp: 90908
 Ion Ratio Lower Upper
 152 100
 150 155.2 125.3 187.9
 115 64.5 51.9 77.9



#5
 2-Fluorophenol
 Concen: 8.80 ng
 RT: 5.369 min Scan# 558
 Delta R.T. 0.023 min
 Lab File: BF122094.D
 Acq: 22 Oct 2020 20:36

Tgt Ion:112 Resp: 54220
 Ion Ratio Lower Upper
 112 100
 64 63.5 50.4 75.6
 63 33.6 25.8 38.6

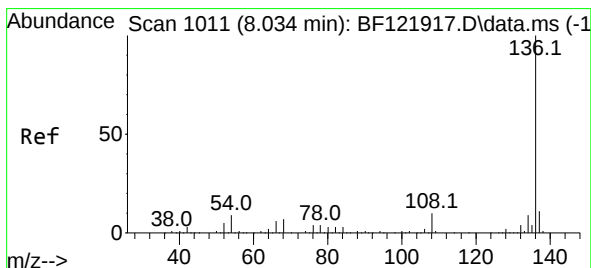
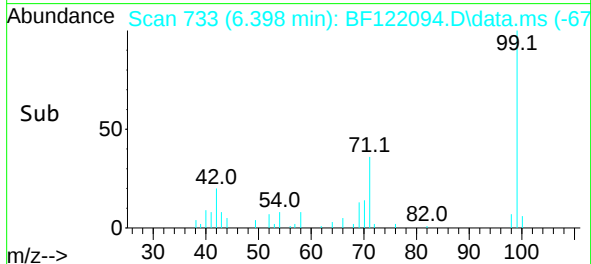
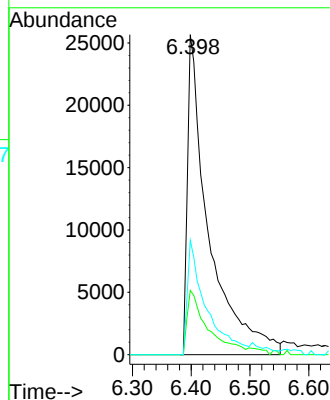
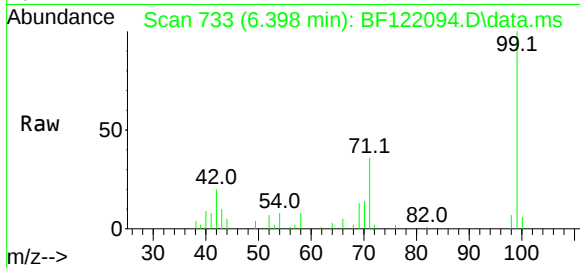




#7
Phenol-d6
Concen: 8.09 ng
RT: 6.398 min Scan# 733
Delta R.T. 0.018 min
Lab File: BF122094.D
Acq: 22 Oct 2020 20:36

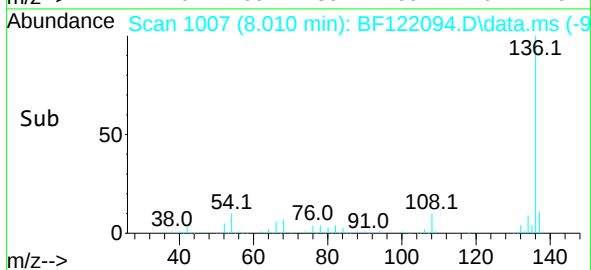
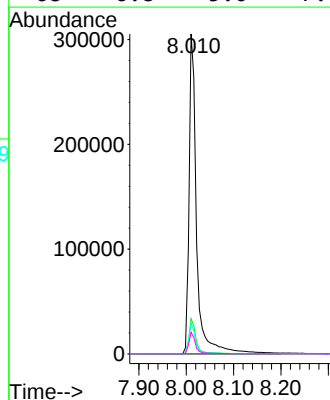
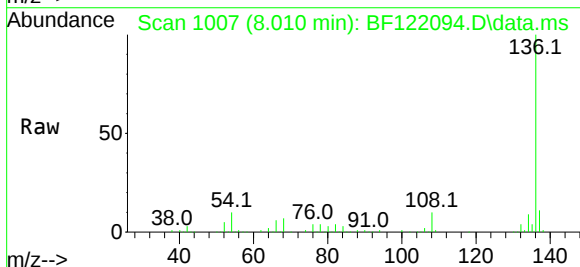
Instrument :
BNA_F
ClientSampled :
37B

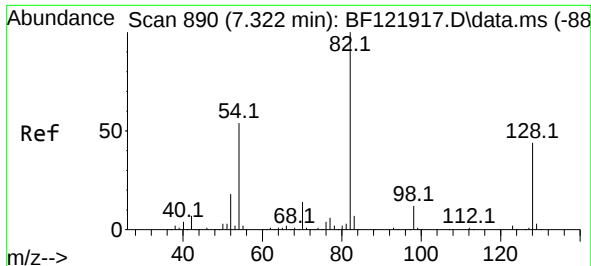
Tgt Ion:	99	Resp:	64116
Ion	Ratio	Lower	Upper
99	100		
42	20.0	15.9	23.9
71	35.8	27.1	40.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF122094.D
Acq: 22 Oct 2020 20:36

Tgt Ion:	136	Resp:	340292
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.6	7.1	10.7
68	6.8	5.0	7.4





#23

Nitrobenzene-d5

Concen: 6.61 ng

RT: 7.304 min Scan# 887

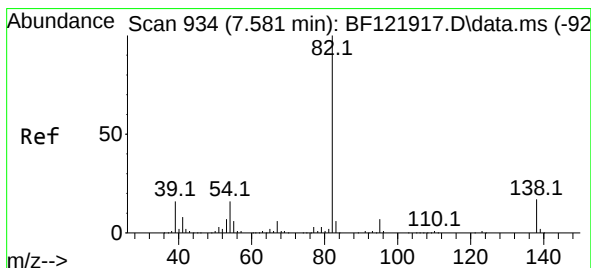
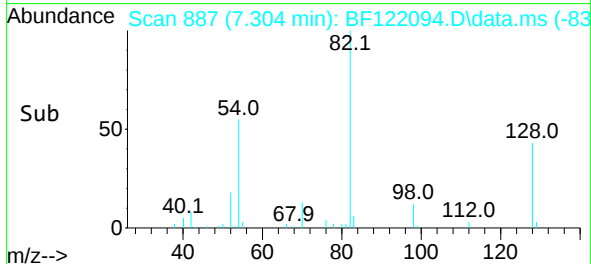
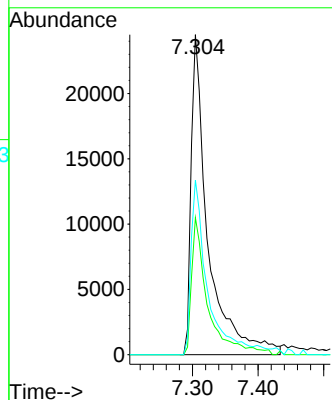
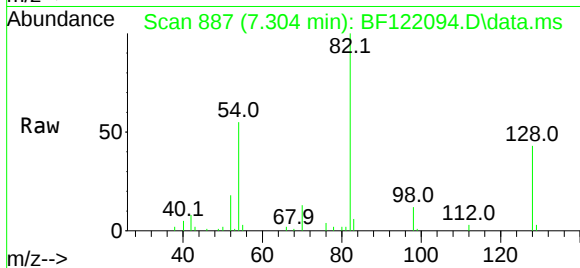
Delta R.T. -0.000 min

Lab File: BF122094.D

Acq: 22 Oct 2020 20:36

Tgt Ion: 82 Resp: 43833

Ion	Ratio	Lower	Upper
82	100		
128	42.8	35.0	52.4
54	54.5	43.9	65.9



#25

Isophorone

Concen: 3.49 ng

RT: 7.304 min Scan# 887

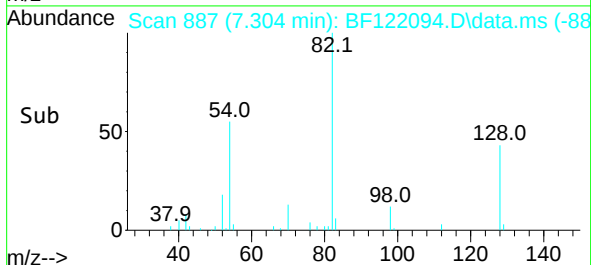
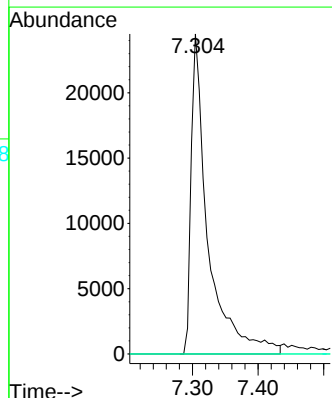
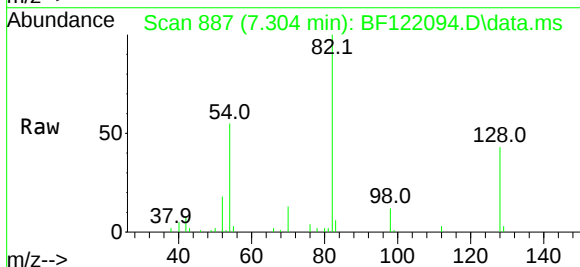
Delta R.T. -0.259 min

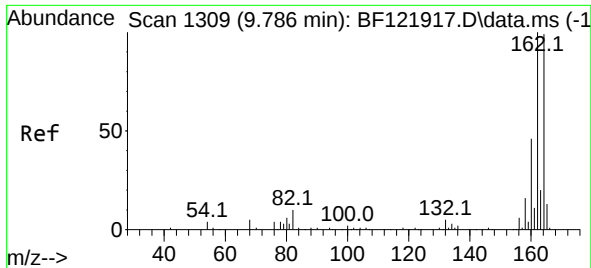
Lab File: BF122094.D

Acq: 22 Oct 2020 20:36

Tgt Ion: 82 Resp: 43833

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	13.4	20.0#

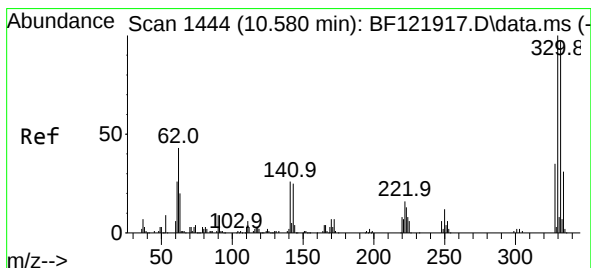
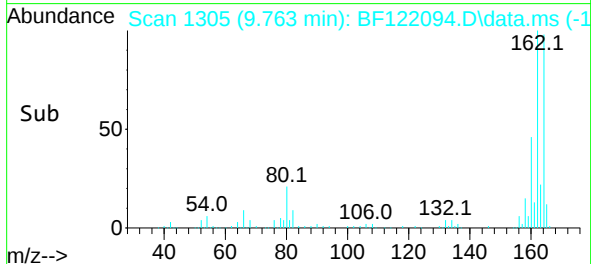
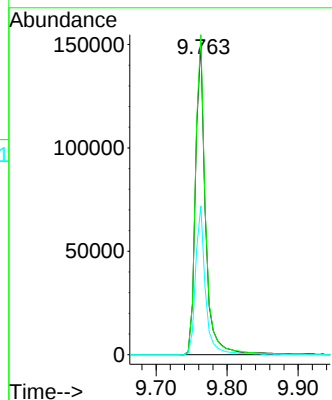
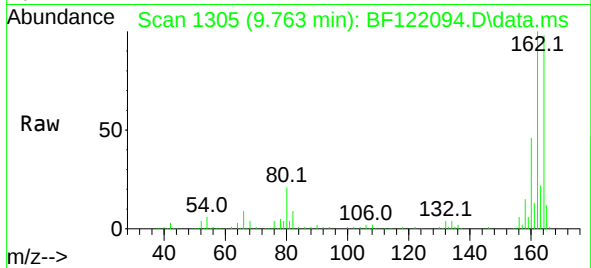




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.000 min
Lab File: BF122094.D
Acq: 22 Oct 2020 20:36

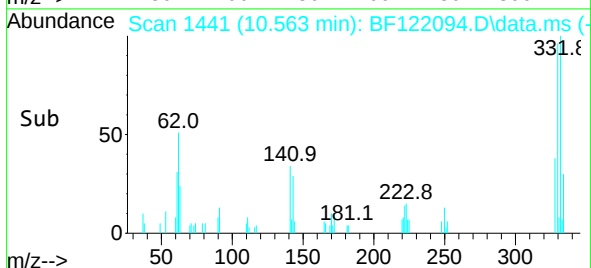
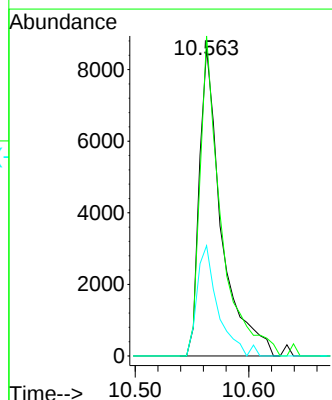
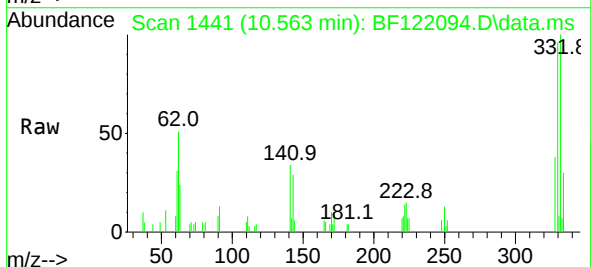
Instrument :
BNA_F
ClientSampled :
37B

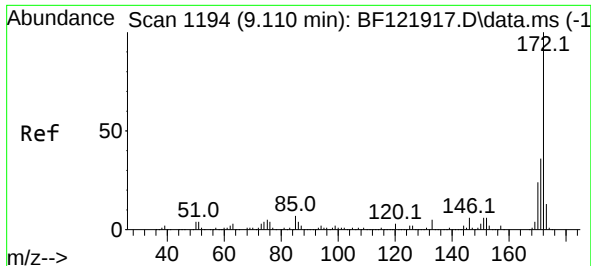
Tgt Ion:164 Resp: 148918
Ion Ratio Lower Upper
164 100
162 102.5 83.2 124.8
160 47.7 37.5 56.3



#42
2,4,6-Tribromophenol
Concen: 6.31 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF122094.D
Acq: 22 Oct 2020 20:36

Tgt Ion:330 Resp: 11618
Ion Ratio Lower Upper
330 100
332 99.4 77.3 115.9
141 33.9 22.3 33.5#

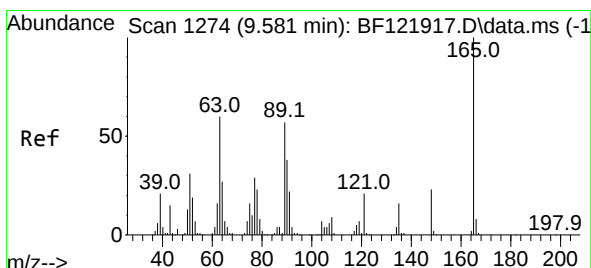
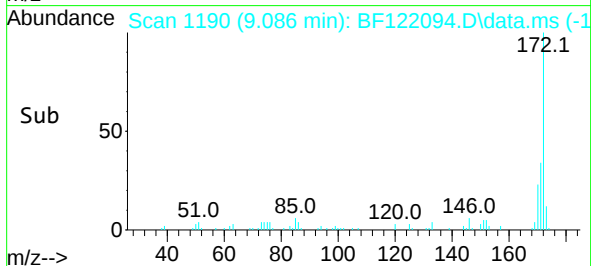
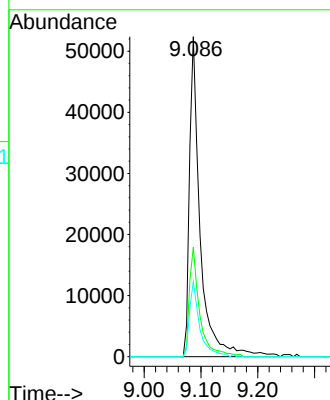
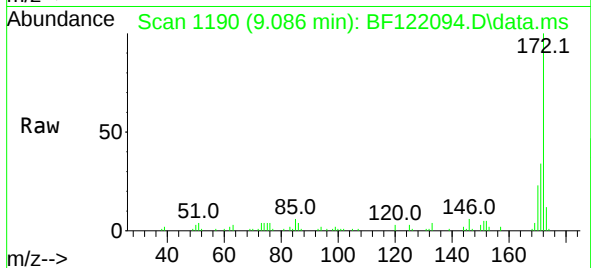




#45
2-Fluorobiphenyl
Concen: 6.78 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BF122094.D
Acq: 22 Oct 2020 20:36

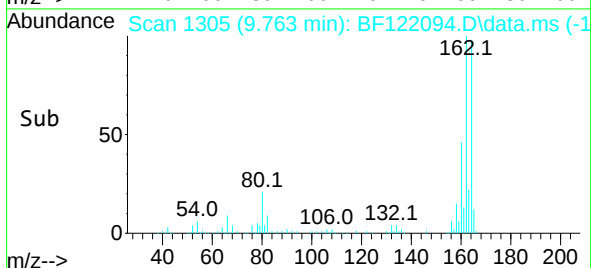
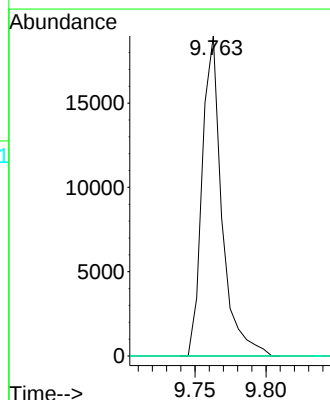
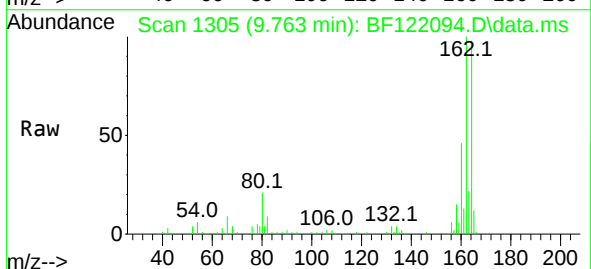
Instrument :
BNA_F
ClientSampled :
37B

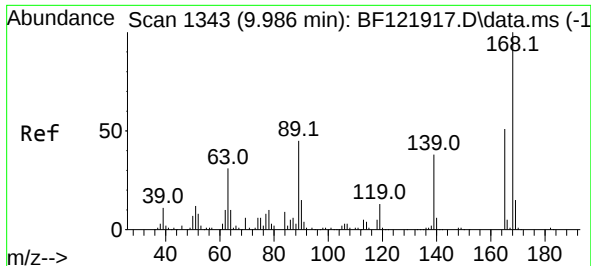
Tgt Ion:172 Resp: 68667
Ion Ratio Lower Upper
172 100
171 34.2 29.1 43.7
170 23.4 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 7.69 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.200 min
Lab File: BF122094.D
Acq: 22 Oct 2020 20:36

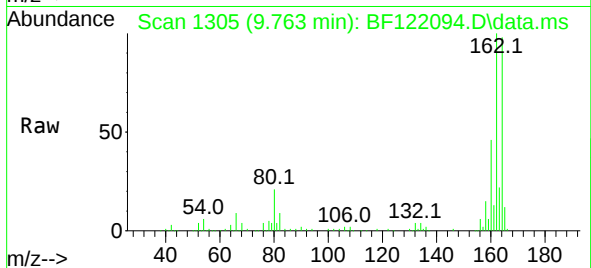
Tgt Ion:165 Resp: 18370
Ion Ratio Lower Upper
165 100
63 0.0 51.8 77.6#
89 0.0 49.0 73.6#



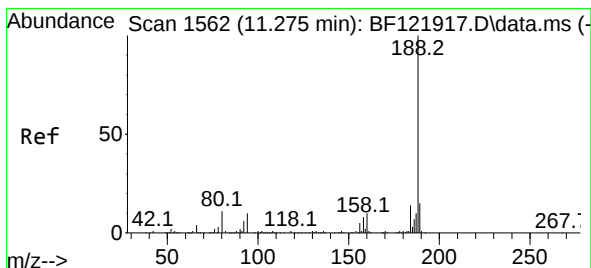
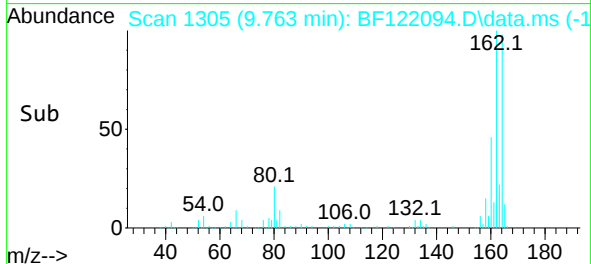
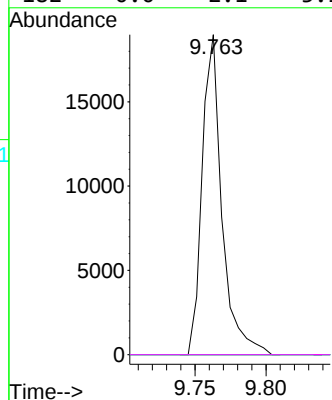


#57
2,4-Dinitrotoluene
Concen: 6.25 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.212 min
Lab File: BF122094.D
Acq: 22 Oct 2020 20:36

Instrument :
BNA_F
ClientSampleId :
37B

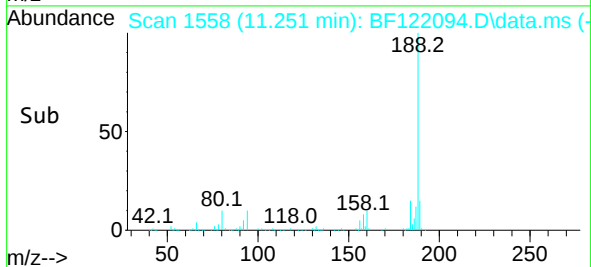
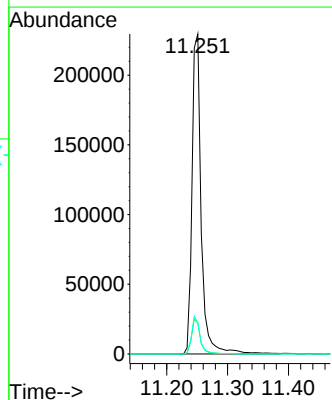
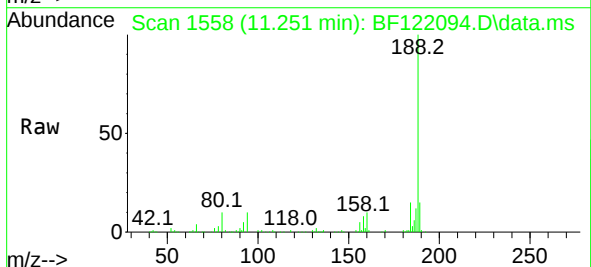


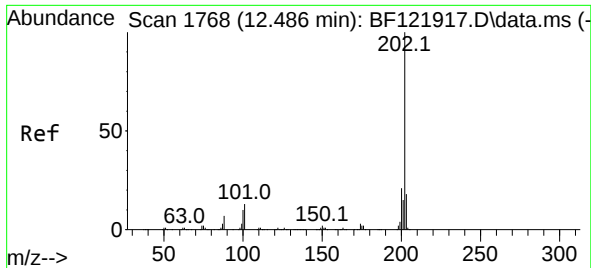
Tgt Ion:165 Resp: 18370
Ion Ratio Lower Upper
165 100
63 0.0 41.3 61.9#
89 0.0 61.8 92.8#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.251 min Scan# 1558
Delta R.T. 0.006 min
Lab File: BF122094.D
Acq: 22 Oct 2020 20:36

Tgt Ion:188 Resp: 241455
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 9.8 9.1 13.7

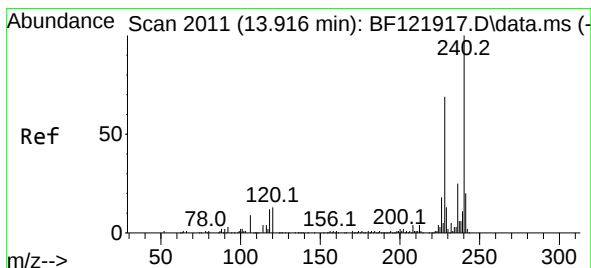
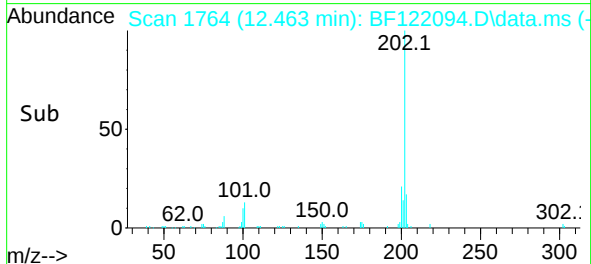
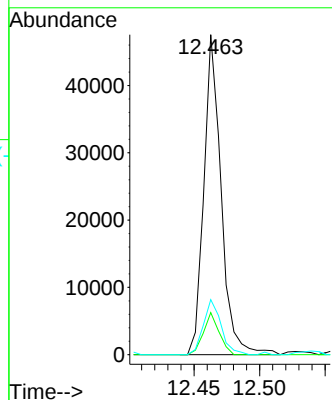
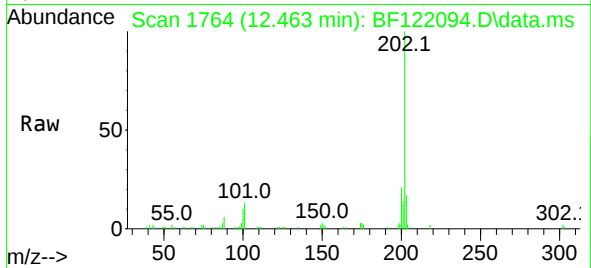




#75
Fluoranthene
Concen: 3.08 ng
RT: 12.463 min Scan# 1764
Delta R.T. -0.000 min
Lab File: BF122094.D
Acq: 22 Oct 2020 20:36

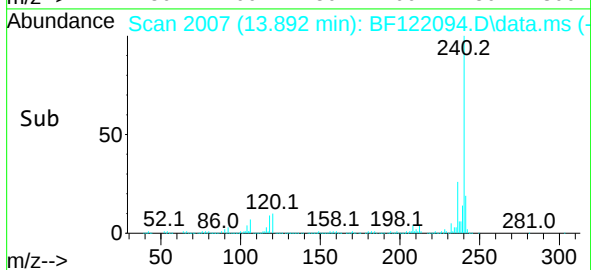
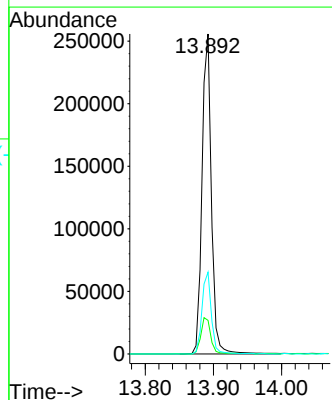
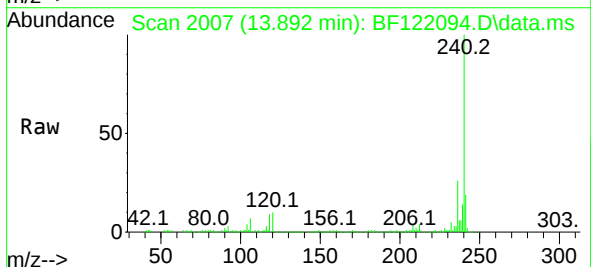
Instrument :
BNA_F
ClientSampled :
37B

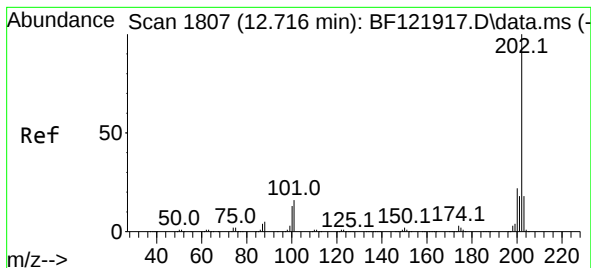
Tgt Ion:	202	Resp:	43734
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	33.4
203	17.2	0.0	37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.892 min Scan# 2007
Delta R.T. 0.006 min
Lab File: BF122094.D
Acq: 22 Oct 2020 20:36

Tgt Ion:	240	Resp:	244569
Ion Ratio	Lower	Upper	
240	100		
120	10.5	9.2	13.8
236	25.6	20.9	31.3

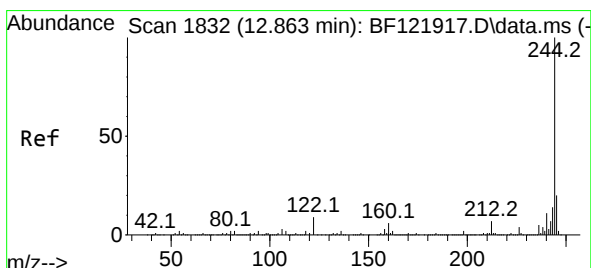
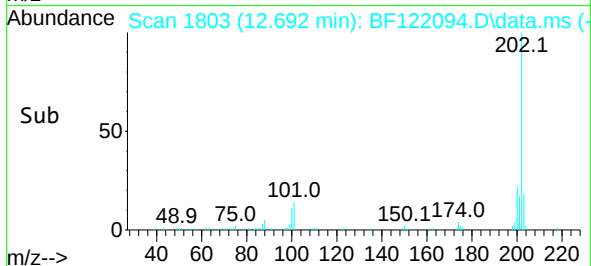
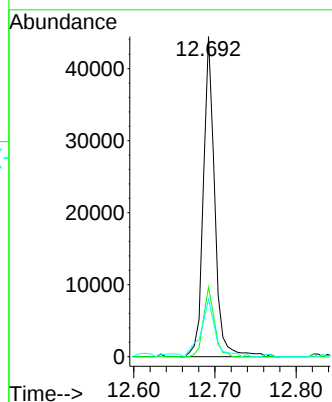
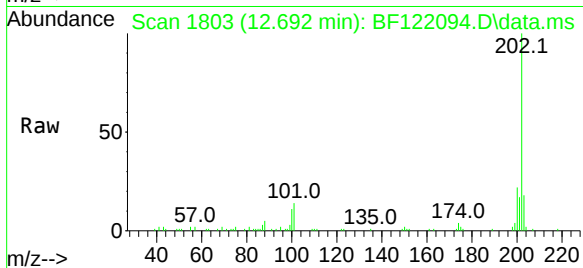




#78
Pyrene
Concen: 2.31 ng
RT: 12.692 min Scan# 1803
Delta R.T. 0.006 min
Lab File: BF122094.D
Acq: 22 Oct 2020 20:36

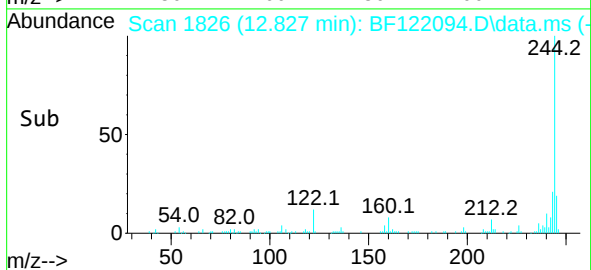
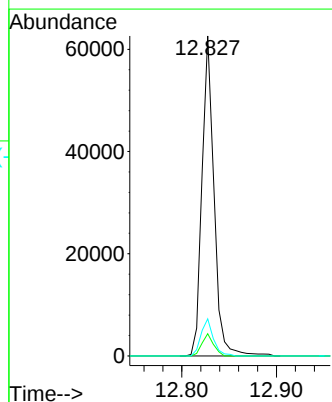
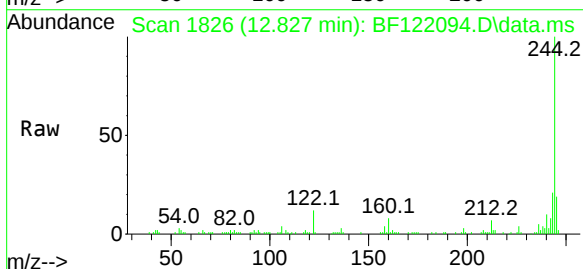
Instrument :
BNA_F
ClientSampled :
37B

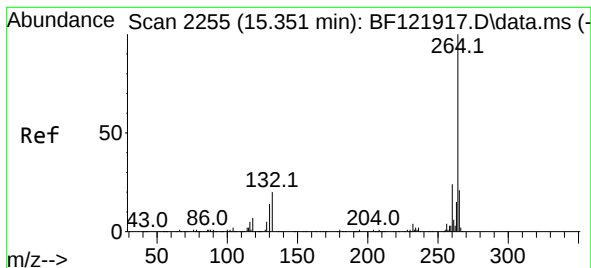
Tgt Ion:202 Resp: 43144
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.2
203 18.0 14.6 21.8



#79
Terphenyl-d14
Concen: 4.34 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF122094.D
Acq: 22 Oct 2020 20:36

Tgt Ion:244 Resp: 55644
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 11.6 8.1 12.1

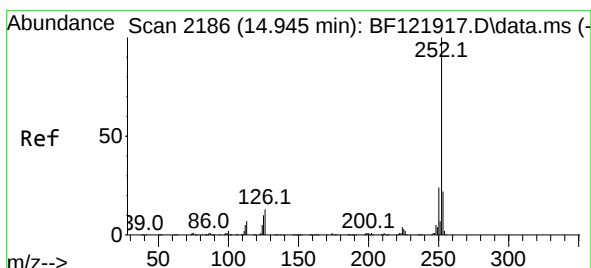
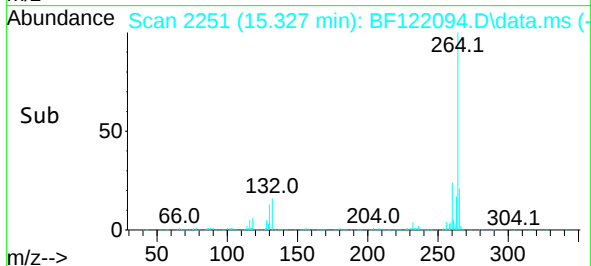
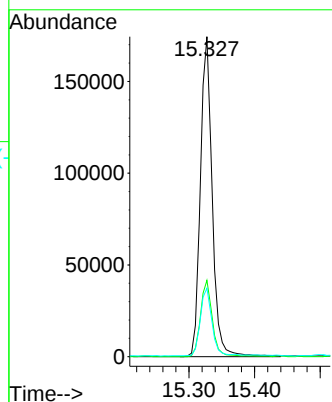
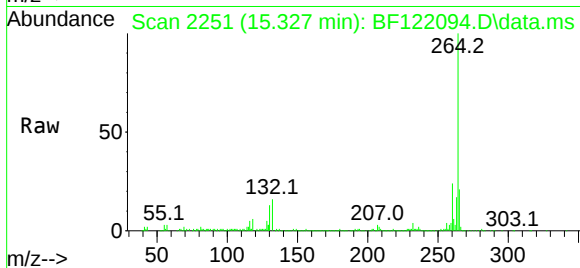




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.327 min Scan# 2251
Delta R.T. 0.012 min
Lab File: BF122094.D
Acq: 22 Oct 2020 20:36

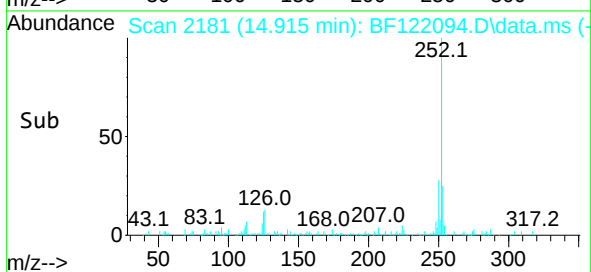
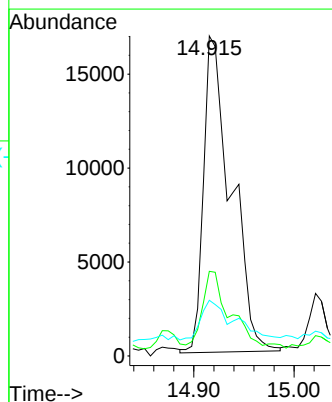
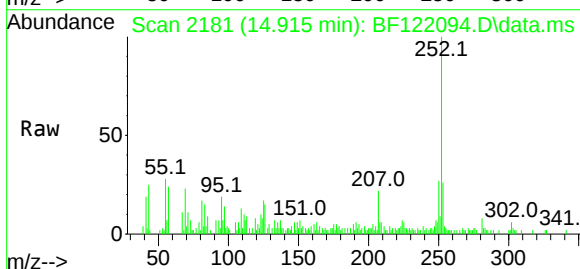
Instrument :
BNA_F
ClientSampled :
37B

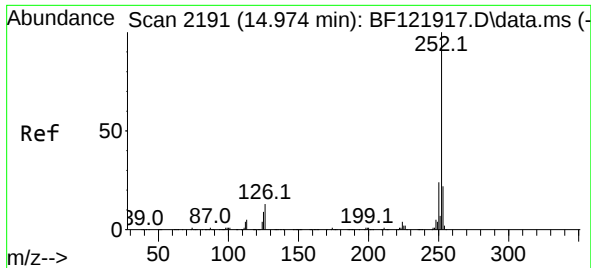
Tgt Ion:264 Resp: 219360
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 21.4 17.3 25.9



#88
Benzo(b)fluoranthene
Concen: 2.17 ng
RT: 14.915 min Scan# 2181
Delta R.T. 0.006 min
Lab File: BF122094.D
Acq: 22 Oct 2020 20:36

Tgt Ion:252 Resp: 32200
Ion Ratio Lower Upper
252 100
253 26.5 18.2 27.2
125 17.4 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 2.29 ng

RT: 14.915 min Scan# 2181

Delta R.T. -0.018 min

Lab File: BF122094.D

Acq: 22 Oct 2020 20:36

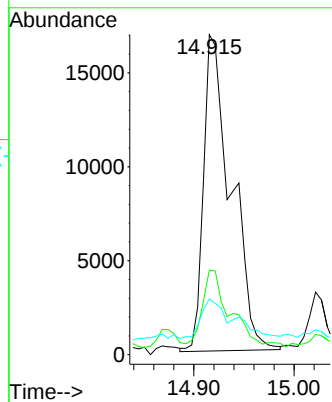
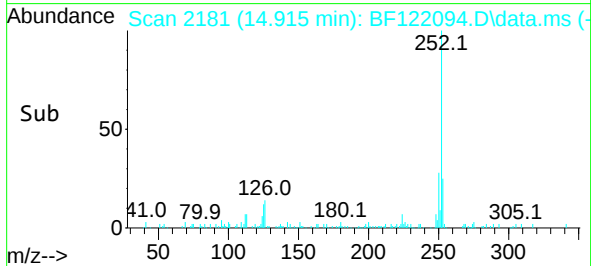
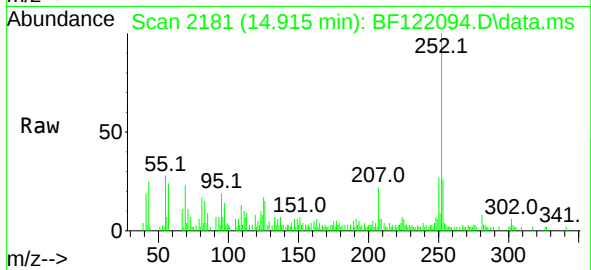
Tgt Ion:252 Resp: 32200

Ion Ratio Lower Upper

252 100

253 26.5 17.8 26.6

125 17.4 7.7 11.5#



Instrument :

BNA_F

ClientSampleId :

37B