

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
 Data File : BF121946.D
 Acq On : 13 Oct 2020 19:18
 Operator : JU/CG
 Sample : L4217-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-101220

Quant Time: Oct 14 02:07:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 12 16:22:33 2020
 Response via : Initial Calibration

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

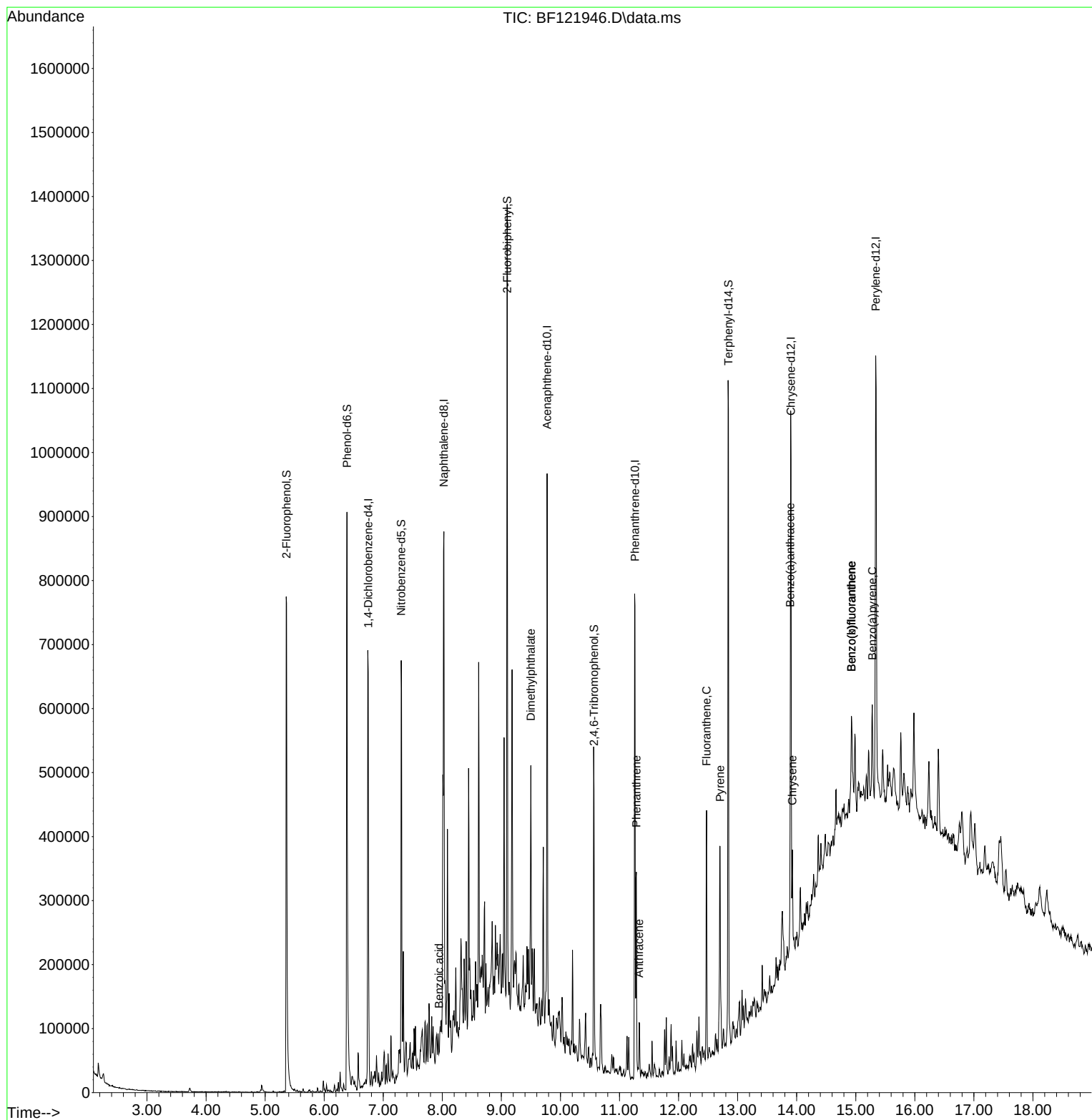
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	104521	20.00	ng	0.00
21) Naphthalene-d8	8.028	136	367376	20.00	ng	0.00
39) Acenaphthene-d10	9.774	164	163559	20.00	ng	-0.01
64) Phenanthrene-d10	11.263	188	283868	20.00	ng	-0.01
76) Chrysene-d12	13.904	240	276874	20.00	ng	-0.01
86) Perylene-d12	15.339	264	278323	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	273359	38.60	ng	0.00
7) Phenol-d6	6.386	99	341174	37.42	ng	-0.01
23) Nitrobenzene-d5	7.304	82	213274	29.77	ng	-0.02
42) 2,4,6-Tribromophenol	10.569	330	62940	31.11	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	366980	33.01	ng	-0.01
79) Terphenyl-d14	12.845	244	322804	22.22	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.386	77	578	Below Cal	#	3
32) Benzoic acid	7.945	122	250	7.75 ng	#	1
50) Dimethylphthalate	9.498	163	35758	2.99 ng		99
71) Phenanthrene	11.286	178	122636	7.88 ng		98
72) Anthracene	11.333	178	34191	2.12 ng		98
75) Fluoranthene	12.474	202	151903	9.10 ng		96
78) Pyrene	12.704	202	136648	6.48 ng		98
81) Benzo(a)anthracene	13.892	228	68696	3.79 ng		98
83) Chrysene	13.927	228	64727	3.63 ng		96
88) Benzo(b)fluoranthene	14.927	252	96514	5.13 ng	#	90
89) Benzo(k)fluoranthene	14.927	252	96514	5.40 ng	#	89
90) Benzo(a)pyrene	15.280	252	55168	3.40 ng	#	89

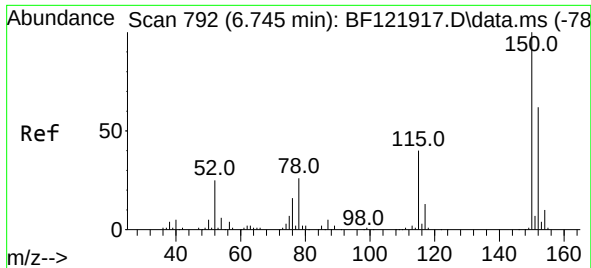
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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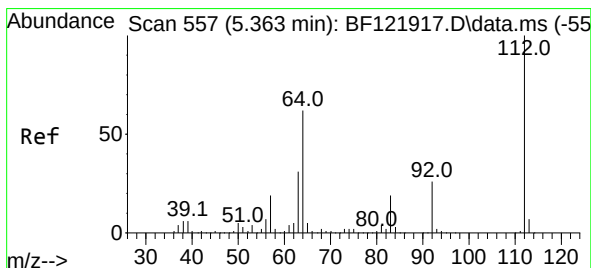
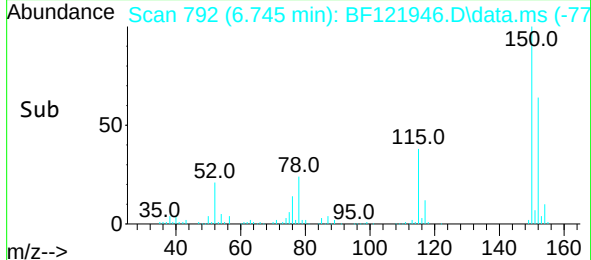
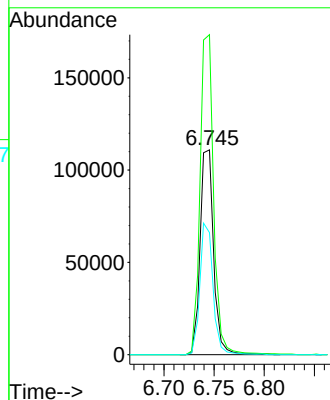
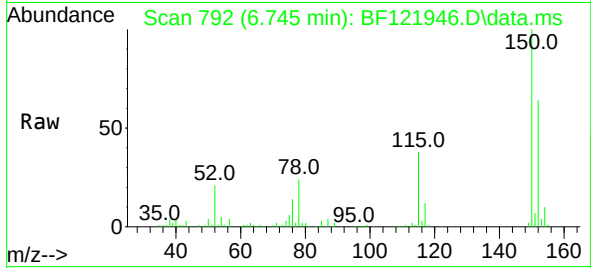




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.745 min Scan# 792
Delta R.T. 0.000 min
Lab File: BF121946.D
Acq: 13 Oct 2020 19:18

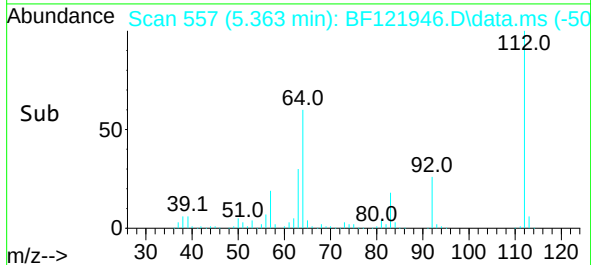
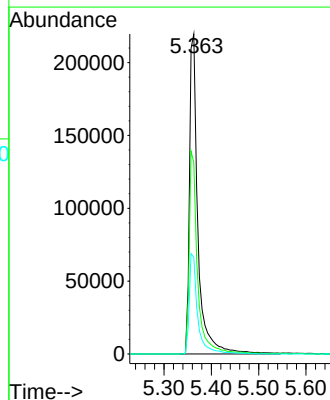
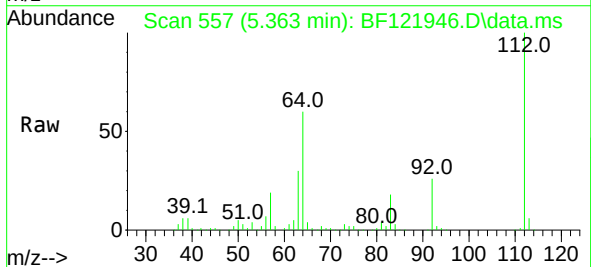
Instrument :
BNA_F
ClientSampleId :
HR-01-101220

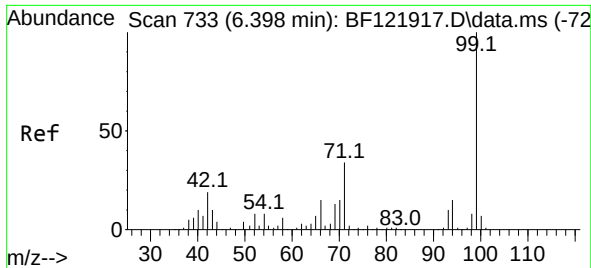
Tgt Ion:152 Resp: 104521
Ion Ratio Lower Upper
152 100
150 156.3 125.3 187.9
115 59.6 51.9 77.9



#5
2-Fluorophenol
Concen: 38.60 ng
RT: 5.363 min Scan# 557
Delta R.T. -0.000 min
Lab File: BF121946.D
Acq: 13 Oct 2020 19:18

Tgt Ion:112 Resp: 273359
Ion Ratio Lower Upper
112 100
64 59.8 50.4 75.6
63 30.2 25.8 38.6

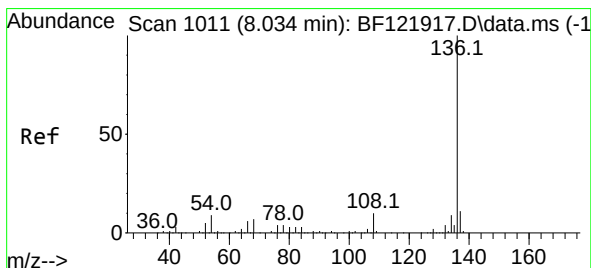
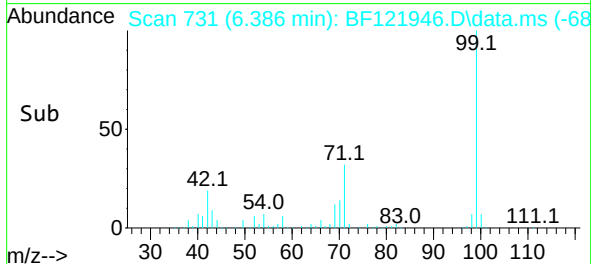
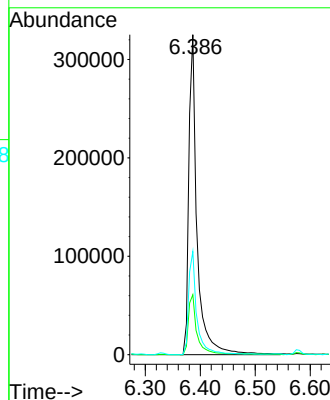
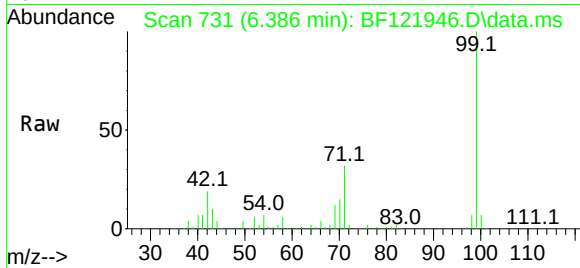




#7
Phenol-d6
Concen: 37.42 ng
RT: 6.386 min Scan# 731
Delta R.T. -0.012 min
Lab File: BF121946.D
Acq: 13 Oct 2020 19:18

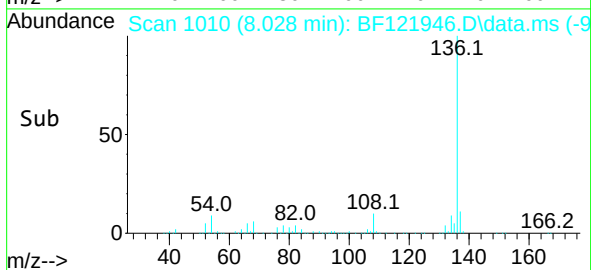
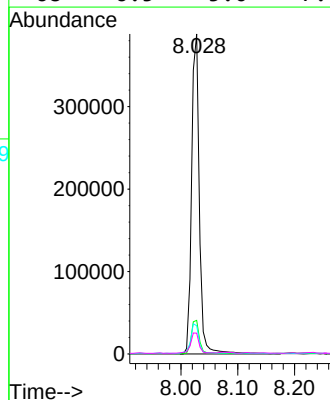
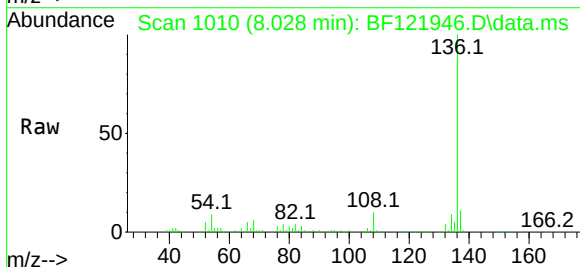
Instrument :
BNA_F
ClientSampleId :
HR-01-101220

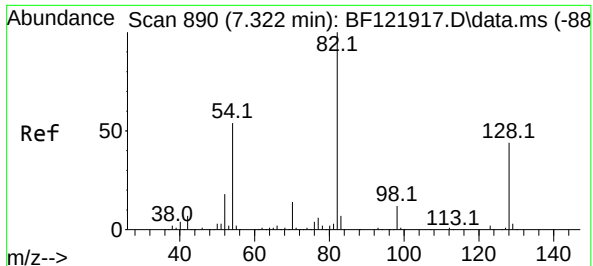
Tgt Ion: 99	Resp: 341174
Ion Ratio	Lower Upper
99 100	
42 18.7	15.9 23.9
71 32.2	27.1 40.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.028 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF121946.D
Acq: 13 Oct 2020 19:18

Tgt Ion: 136	Resp: 367376
Ion Ratio	Lower Upper
136 100	
137 10.5	8.6 13.0
54 8.9	7.1 10.7
68 6.5	5.0 7.4





#23

Nitrobenzene-d5

Concen: 29.77 ng

RT: 7.304 min Scan# 887

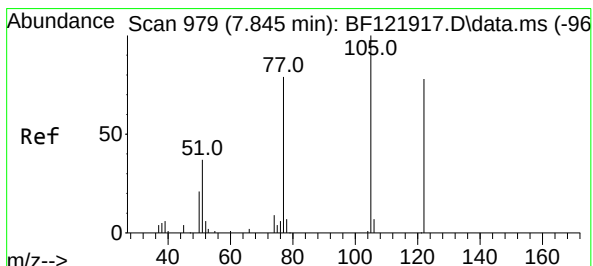
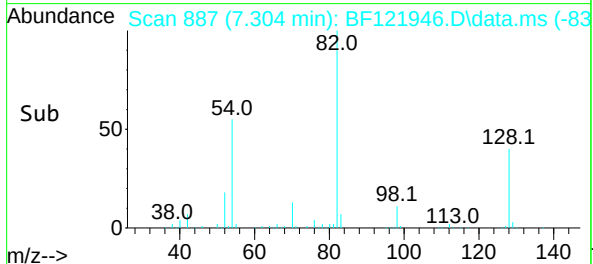
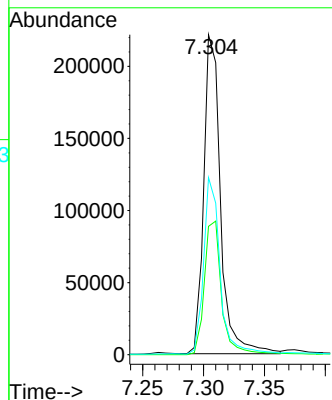
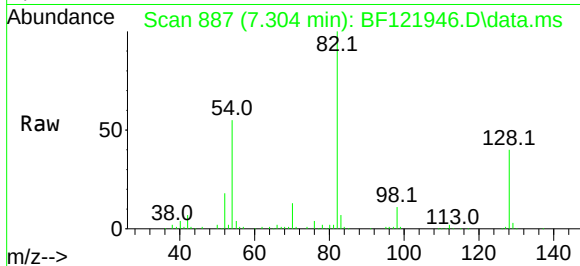
Delta R.T. -0.018 min

Lab File: BF121946.D

Acq: 13 Oct 2020 19:18

Tgt Ion: 82 Resp: 213274

Ion	Ratio	Lower	Upper
82	100		
128	40.1	35.0	52.4
54	55.4	43.9	65.9



#32

Benzoic acid

Concen: 7.75 ng

RT: 7.945 min Scan# 996

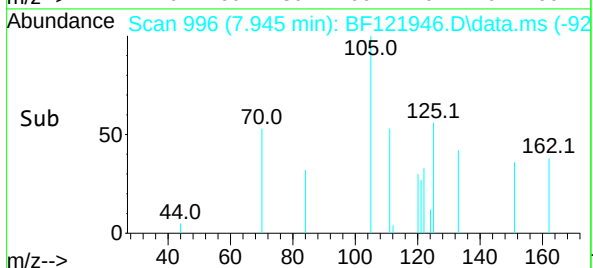
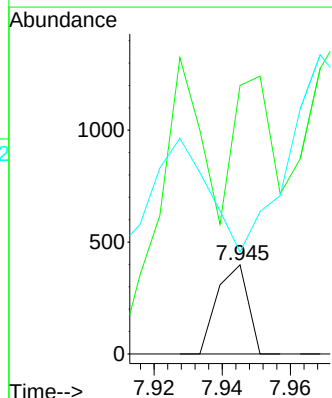
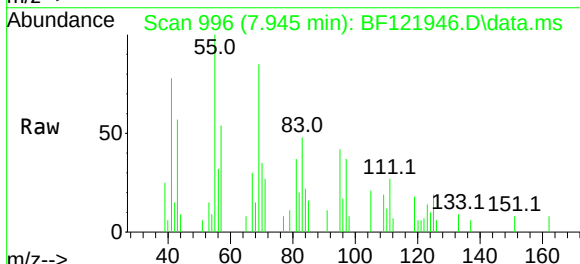
Delta R.T. 0.100 min

Lab File: BF121946.D

Acq: 13 Oct 2020 19:18

Tgt Ion: 122 Resp: 250

Ion	Ratio	Lower	Upper
122	100		
105	301.5	103.3	143.3#
77	114.3	73.9	113.9#

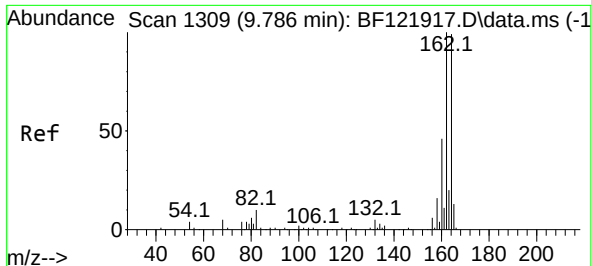


Instrument :

BNA_F

ClientSampleId :

HR-01-101220



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.774 min Scan# 1307

Delta R.T. -0.011 min

Lab File: BF121946.D

Acq: 13 Oct 2020 19:18

Instrument :

BNA_F

ClientSampleId :

HR-01-101220

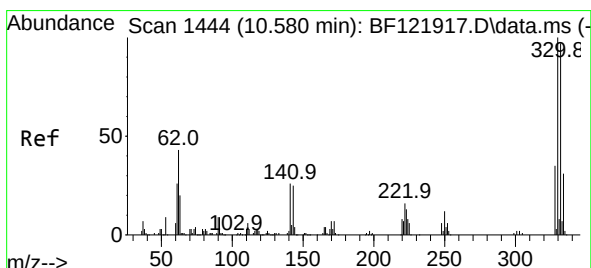
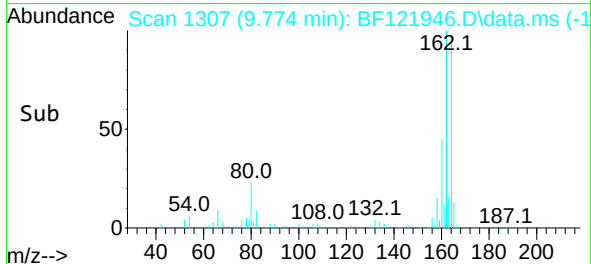
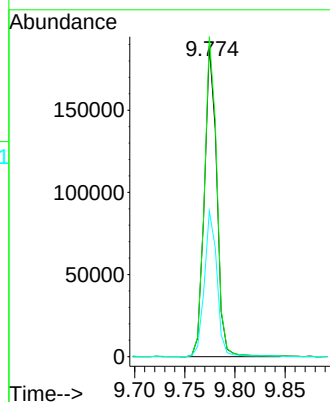
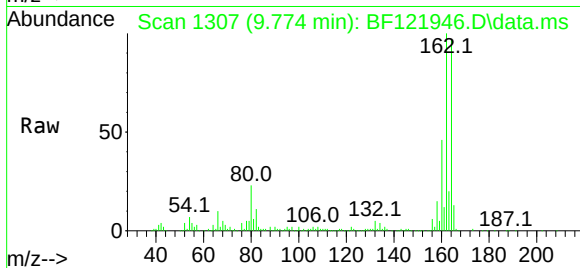
Tgt Ion:164 Resp: 163559

Ion Ratio Lower Upper

164 100

162 102.9 83.2 124.8

160 46.9 37.5 56.3



#42

2,4,6-Tribromophenol

Concen: 31.11 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF121946.D

Acq: 13 Oct 2020 19:18

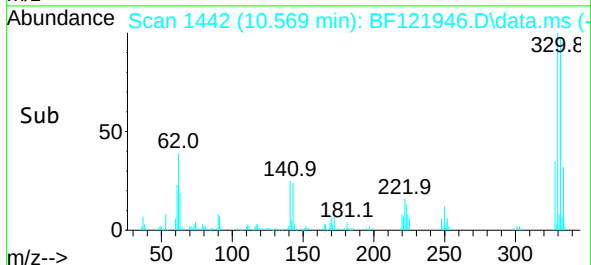
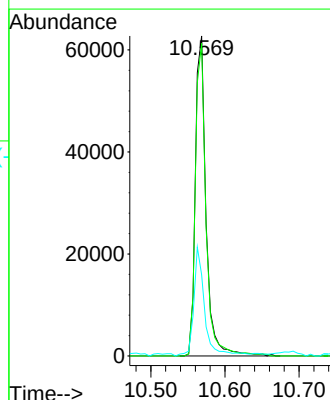
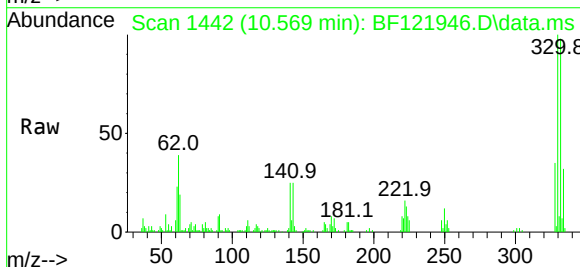
Tgt Ion:330 Resp: 62940

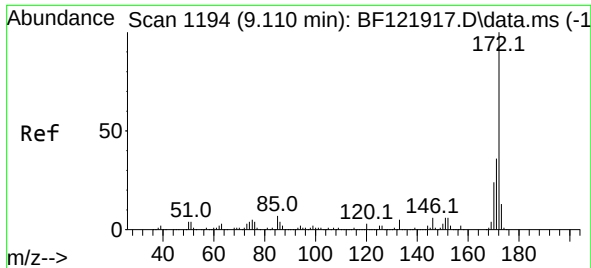
Ion Ratio Lower Upper

330 100

332 97.3 77.3 115.9

141 34.4 22.3 33.5#

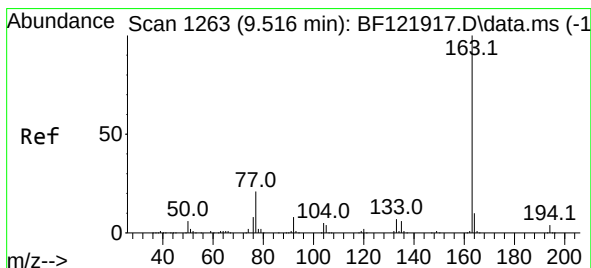
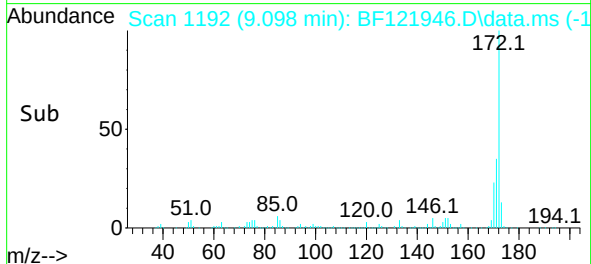
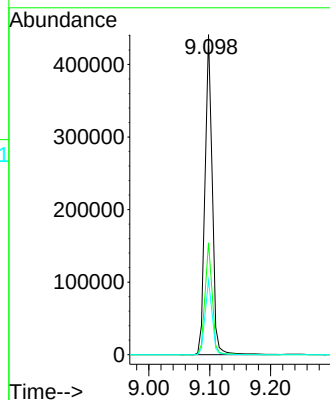
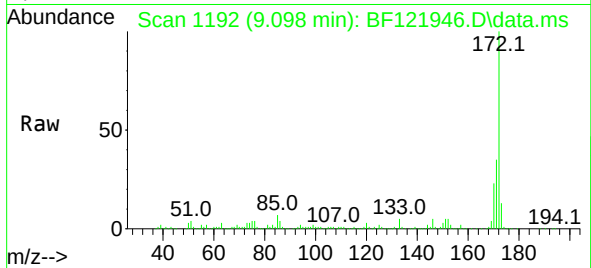




#45
2-Fluorobiphenyl
Concen: 33.01 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF121946.D
Acq: 13 Oct 2020 19:18

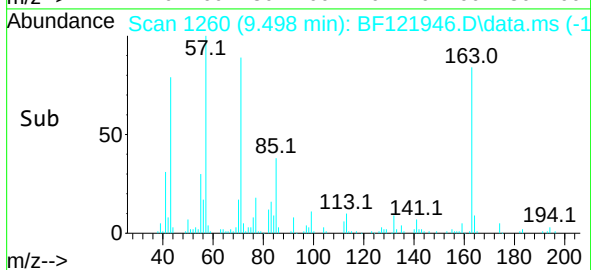
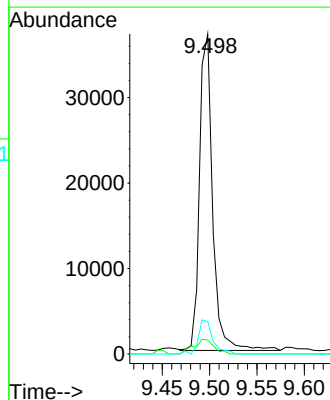
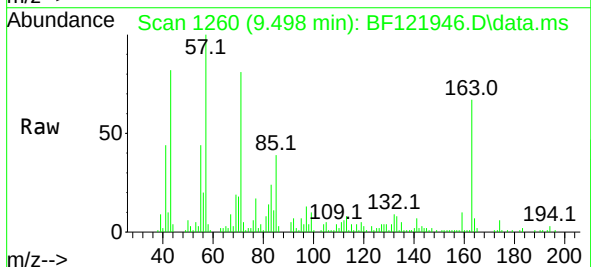
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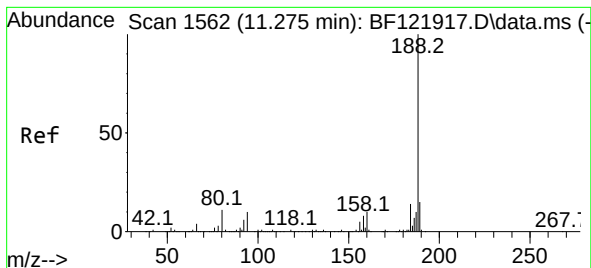
Tgt Ion:172 Resp: 366980
Ion Ratio Lower Upper
172 100
171 34.9 29.1 43.7
170 23.2 19.8 29.6



#50
Dimethylphthalate
Concen: 2.99 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.018 min
Lab File: BF121946.D
Acq: 13 Oct 2020 19:18

Tgt Ion:163 Resp: 35758
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 10.1 8.2 12.4

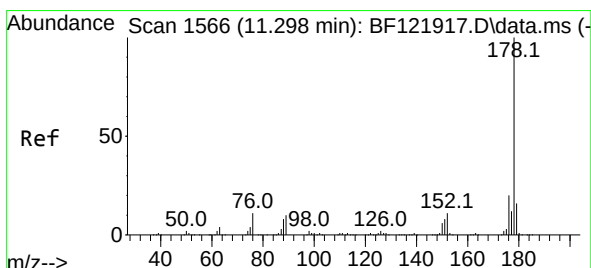
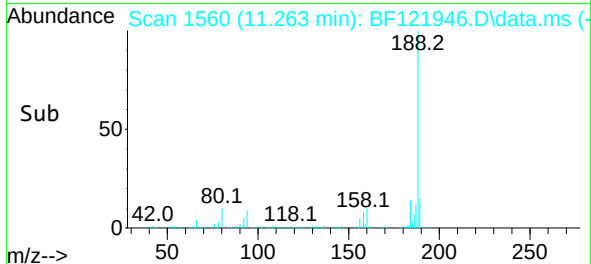
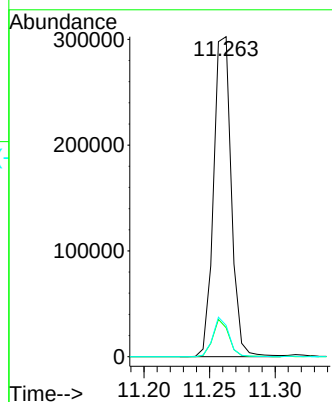
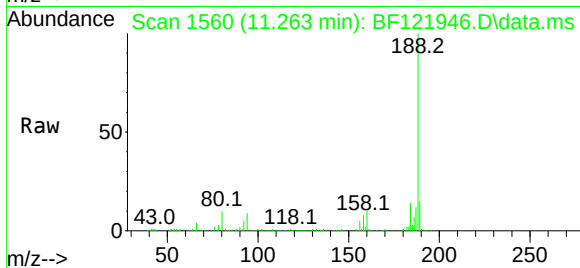




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF121946.D
Acq: 13 Oct 2020 19:18

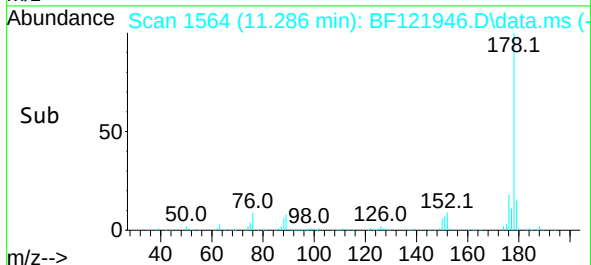
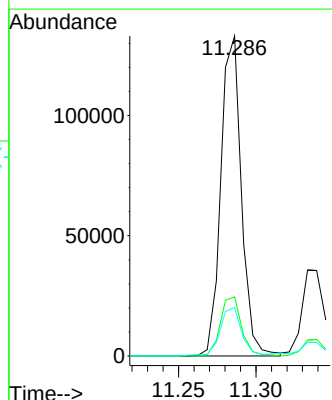
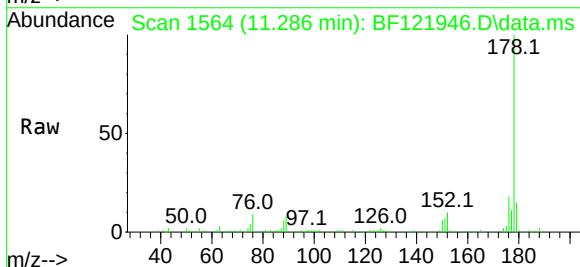
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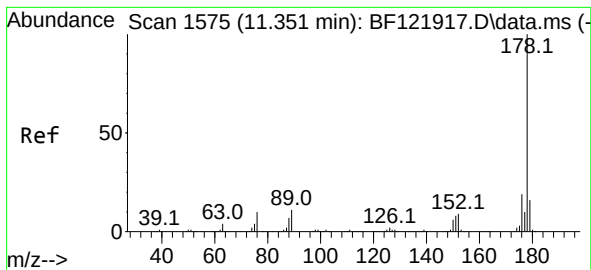
Tgt Ion:188 Resp: 283868
Ion Ratio Lower Upper
188 100
94 9.1 8.3 12.5
80 9.8 9.1 13.7



#71
Phenanthrene
Concen: 7.88 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF121946.D
Acq: 13 Oct 2020 19:18

Tgt Ion:178 Resp: 122636
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 15.2 12.2 18.4

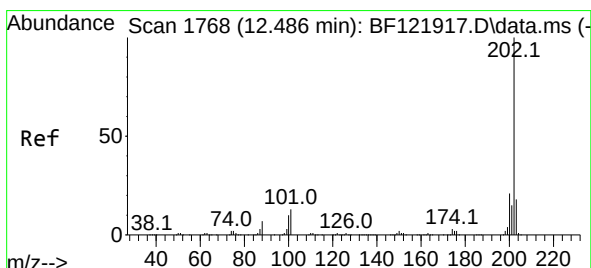
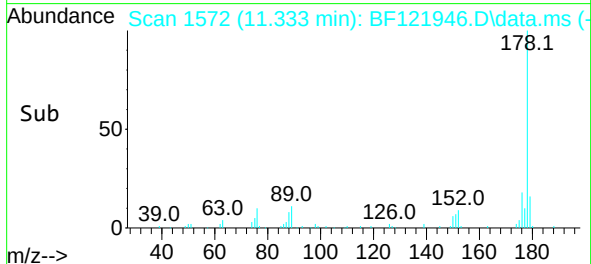
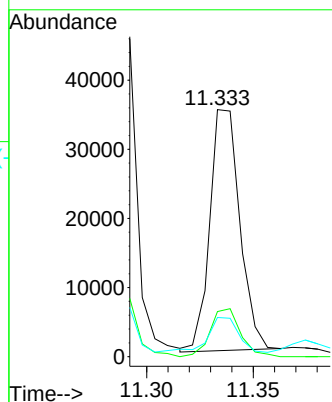
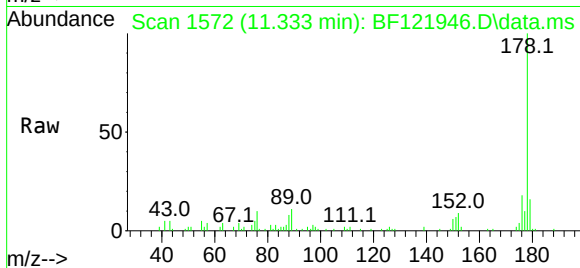




#72
 Anthracene
 Concen: 2.12 ng
 RT: 11.333 min Scan# 1572
 Delta R.T. -0.018 min
 Lab File: BF121946.D
 Acq: 13 Oct 2020 19:18

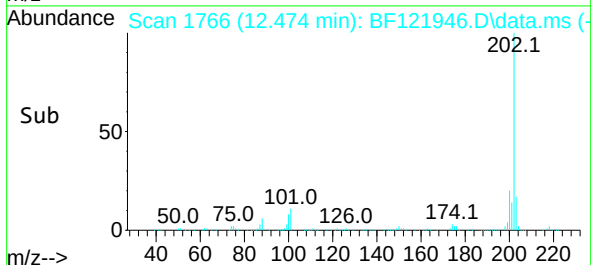
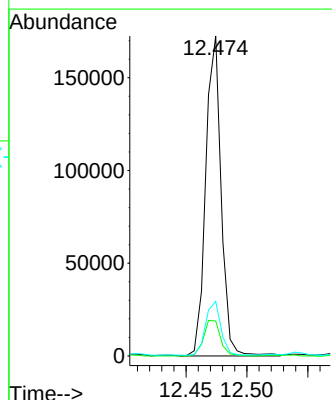
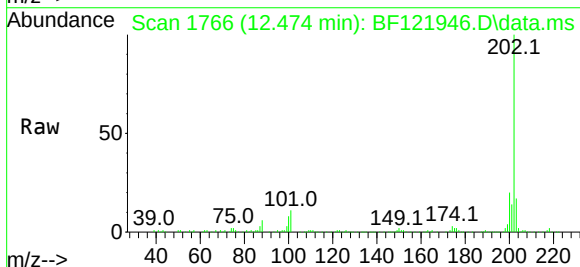
Instrument :
 BNA_F
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 HR-01-101220

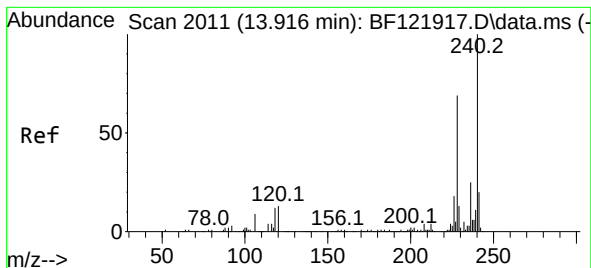
Tgt Ion:178 Resp: 34191
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.7 23.5
 179 15.9 12.7 19.1



#75
 Fluoranthene
 Concen: 9.10 ng
 RT: 12.474 min Scan# 1766
 Delta R.T. -0.012 min
 Lab File: BF121946.D
 Acq: 13 Oct 2020 19:18

Tgt Ion:202 Resp: 151903
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 33.4
 203 17.1 0.0 37.9





#76

Chrysene-d12

Concen: 20.00 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF121946.D

Acq: 13 Oct 2020 19:18

Tgt Ion:240 Resp: 276874

Ion Ratio Lower Upper

240 100

120 10.4 9.2 13.8

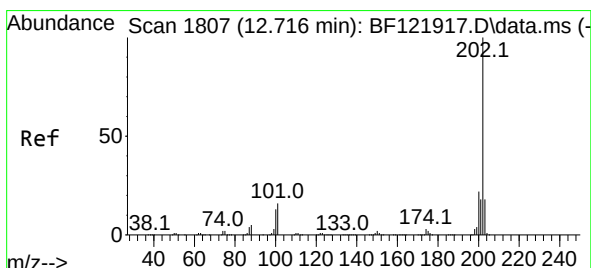
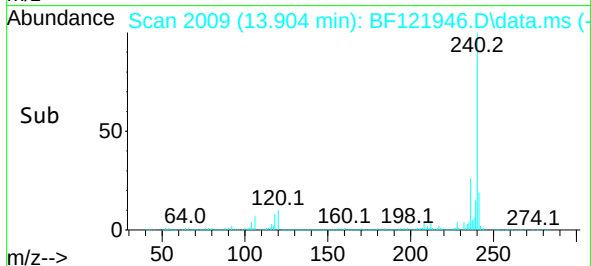
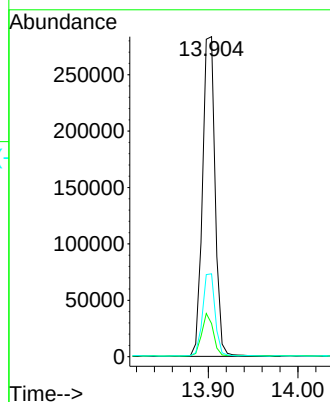
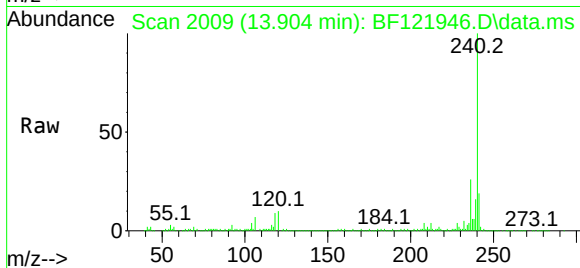
236 25.9 20.9 31.3

Instrument :

BNA_F

ClientSampleId :

HR-01-101220



#78

Pyrene

Concen: 6.48 ng

RT: 12.704 min Scan# 1805

Delta R.T. -0.012 min

Lab File: BF121946.D

Acq: 13 Oct 2020 19:18

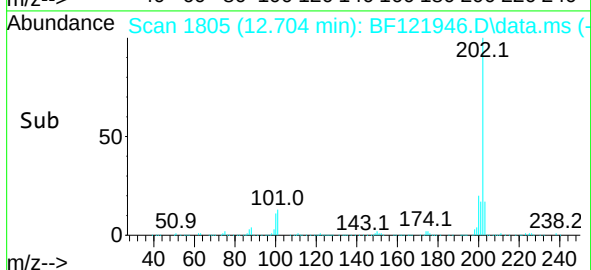
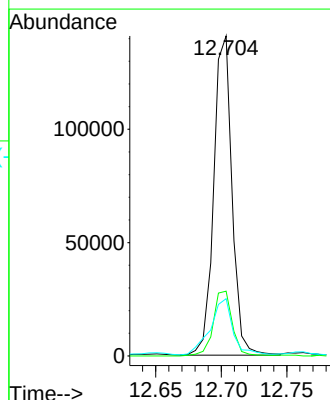
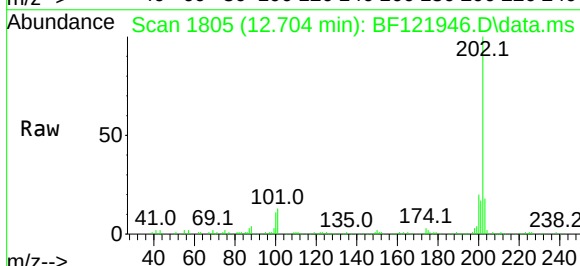
Tgt Ion:202 Resp: 136648

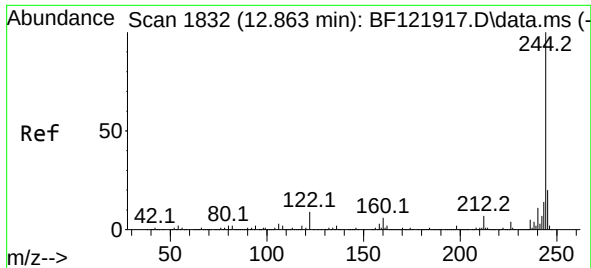
Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

203 17.9 14.6 21.8

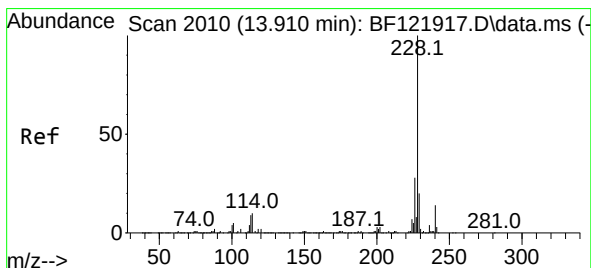
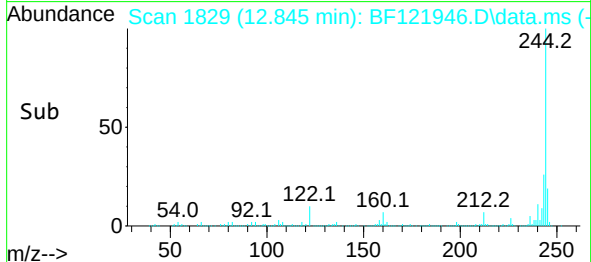
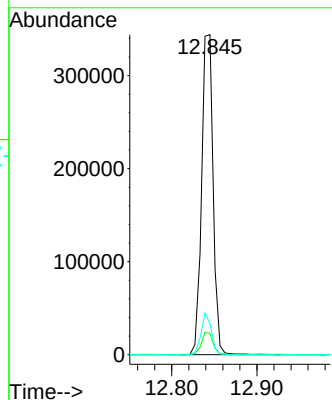
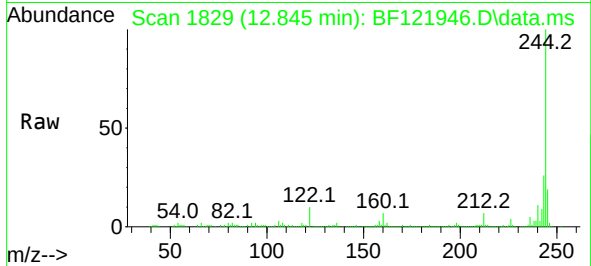




#79
Terphenyl-d14
Concen: 22.22 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.018 min
Lab File: BF121946.D
Acq: 13 Oct 2020 19:18

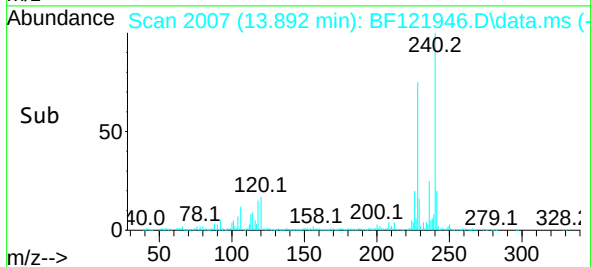
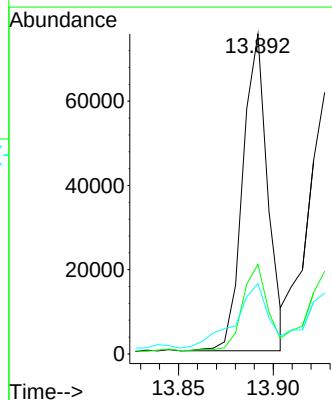
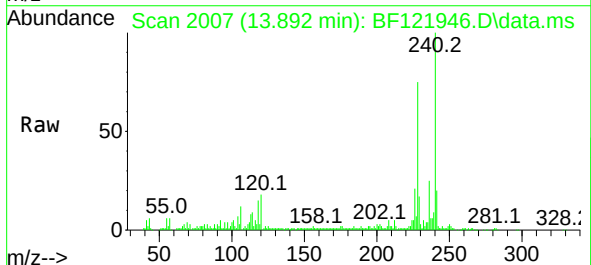
Instrument :
BNA_F
ClientSampleId :
HR-01-101220

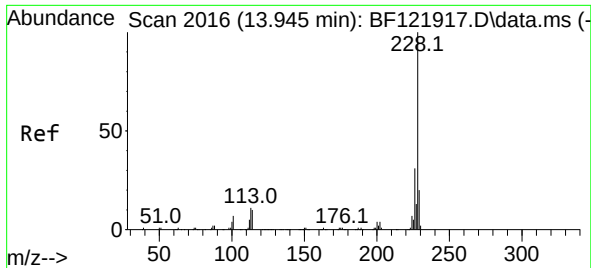
Tgt Ion:244 Resp: 322804
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 9.8 8.1 12.1



#81
Benzo(a)anthracene
Concen: 3.79 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.018 min
Lab File: BF121946.D
Acq: 13 Oct 2020 19:18

Tgt Ion:228 Resp: 68696
Ion Ratio Lower Upper
228 100
226 28.0 22.3 33.5
229 22.0 16.2 24.4

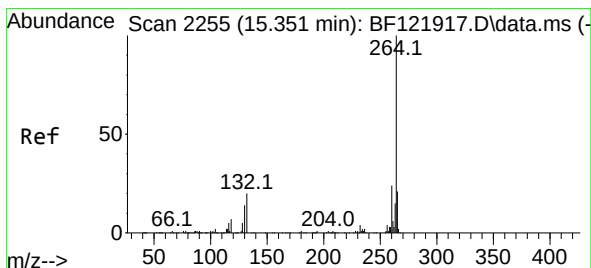
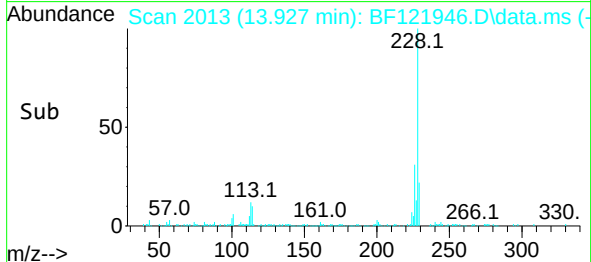
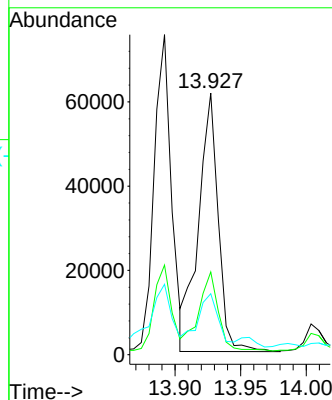
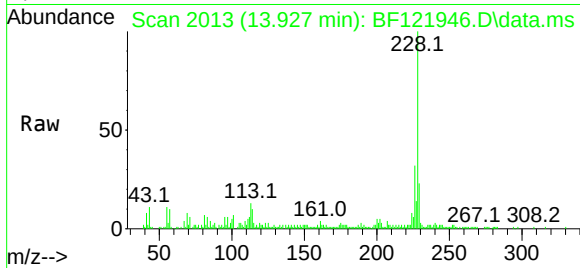




#83
Chrysene
Concen: 3.63 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.018 min
Lab File: BF121946.D
Acq: 13 Oct 2020 19:18

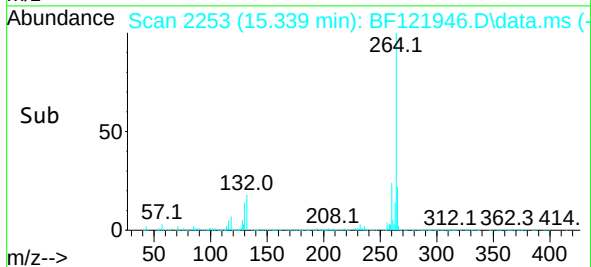
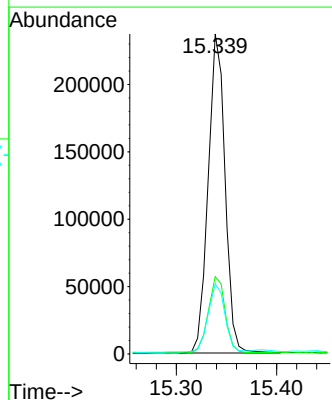
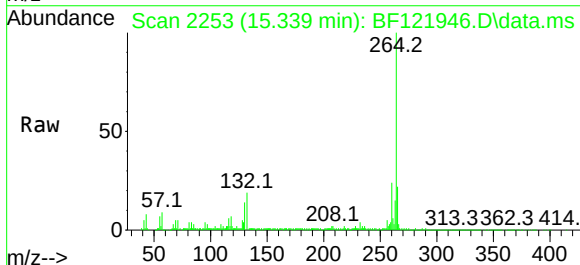
Instrument :
BNA_F
ClientSampleId :
HR-01-101220

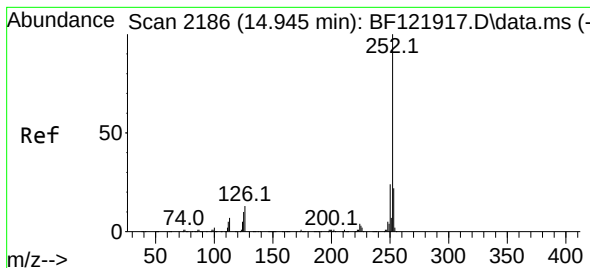
Tgt Ion:228	Resp: 64727
Ion Ratio	Lower Upper
228	100
226	31.6 24.6 37.0
229	23.3 15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.339 min Scan# 2253
Delta R.T. -0.012 min
Lab File: BF121946.D
Acq: 13 Oct 2020 19:18

Tgt Ion:264	Resp: 278323
Ion Ratio	Lower Upper
264	100
260	24.1 18.7 28.1
265	21.9 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 5.13 ng

RT: 14.927 min Scan# 2183

Delta R.T. -0.018 min

Lab File: BF121946.D

Acq: 13 Oct 2020 19:18

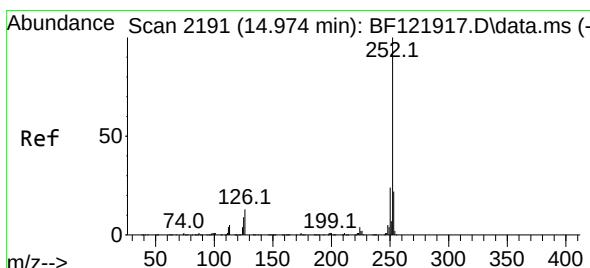
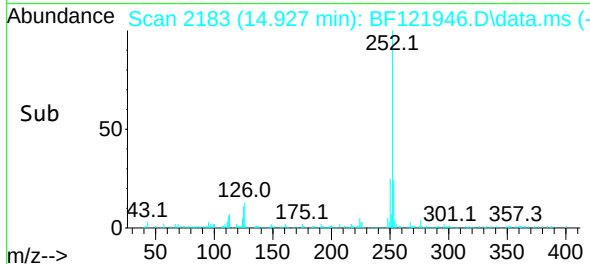
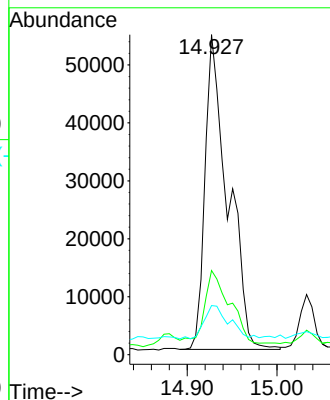
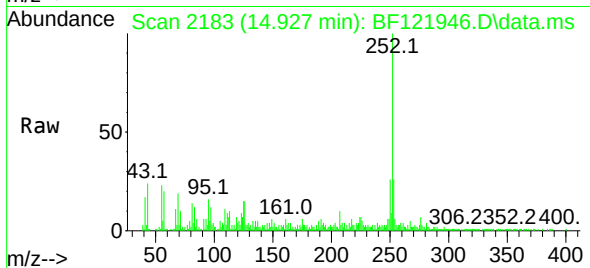
Tgt Ion:252	Resp:	96514
Ion Ratio	Lower	Upper
252	100	
253	26.3	18.2 27.2
125	15.3	8.0 12.0#

Instrument :

BNA_F

ClientSampleId :

HR-01-101220



#89

Benzo(k)fluoranthene

Concen: 5.40 ng

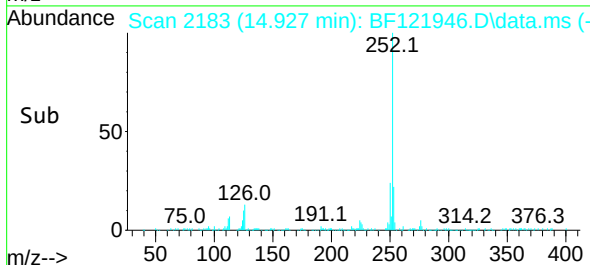
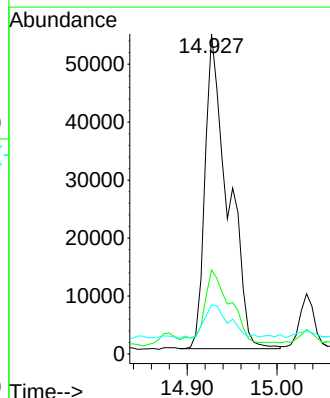
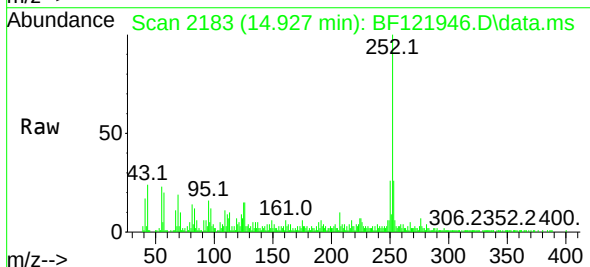
RT: 14.927 min Scan# 2183

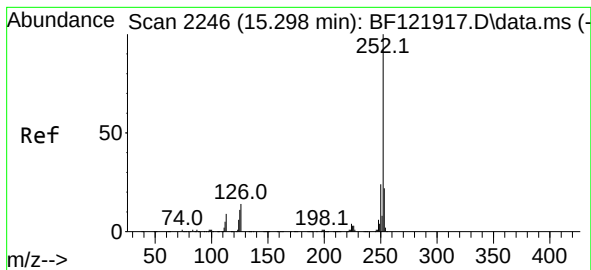
Delta R.T. -0.047 min

Lab File: BF121946.D

Acq: 13 Oct 2020 19:18

Tgt Ion:252	Resp:	96514
Ion Ratio	Lower	Upper
252	100	
253	26.3	17.8 26.6
125	15.3	7.7 11.5#





#90

Benzo(a)pyrene

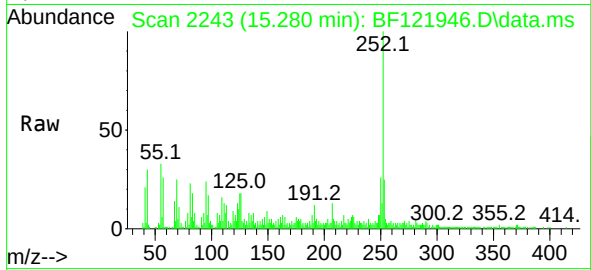
Concen: 3.40 ng

RT: 15.280 min Scan# 2243

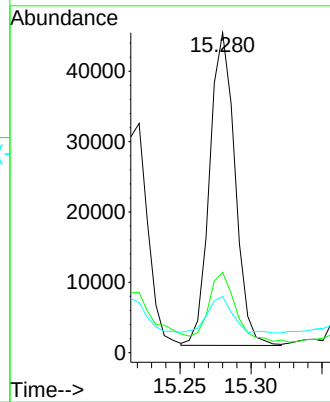
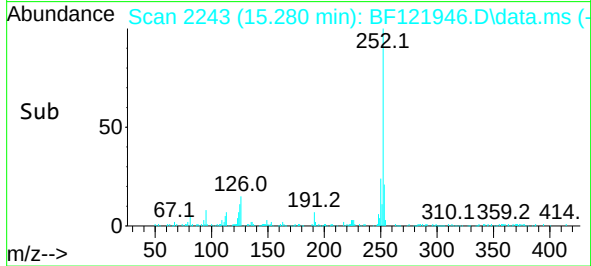
Delta R.T. -0.018 min

Lab File: BF121946.D

Acq: 13 Oct 2020 19:18



Tgt Ion:	252	Resp:	55168
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.3	25.9
125	17.6	8.6	13.0#



Instrument :

BNA_F

ClientSampleId :

HR-01-101220