

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
 Data File : BF111701.D
 Acq On : 21 Dec 2018 21:36
 Operator : JU/SJ
 Sample : J6192-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 HD-01-122018

Quant Time: Dec 22 00:36:51 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

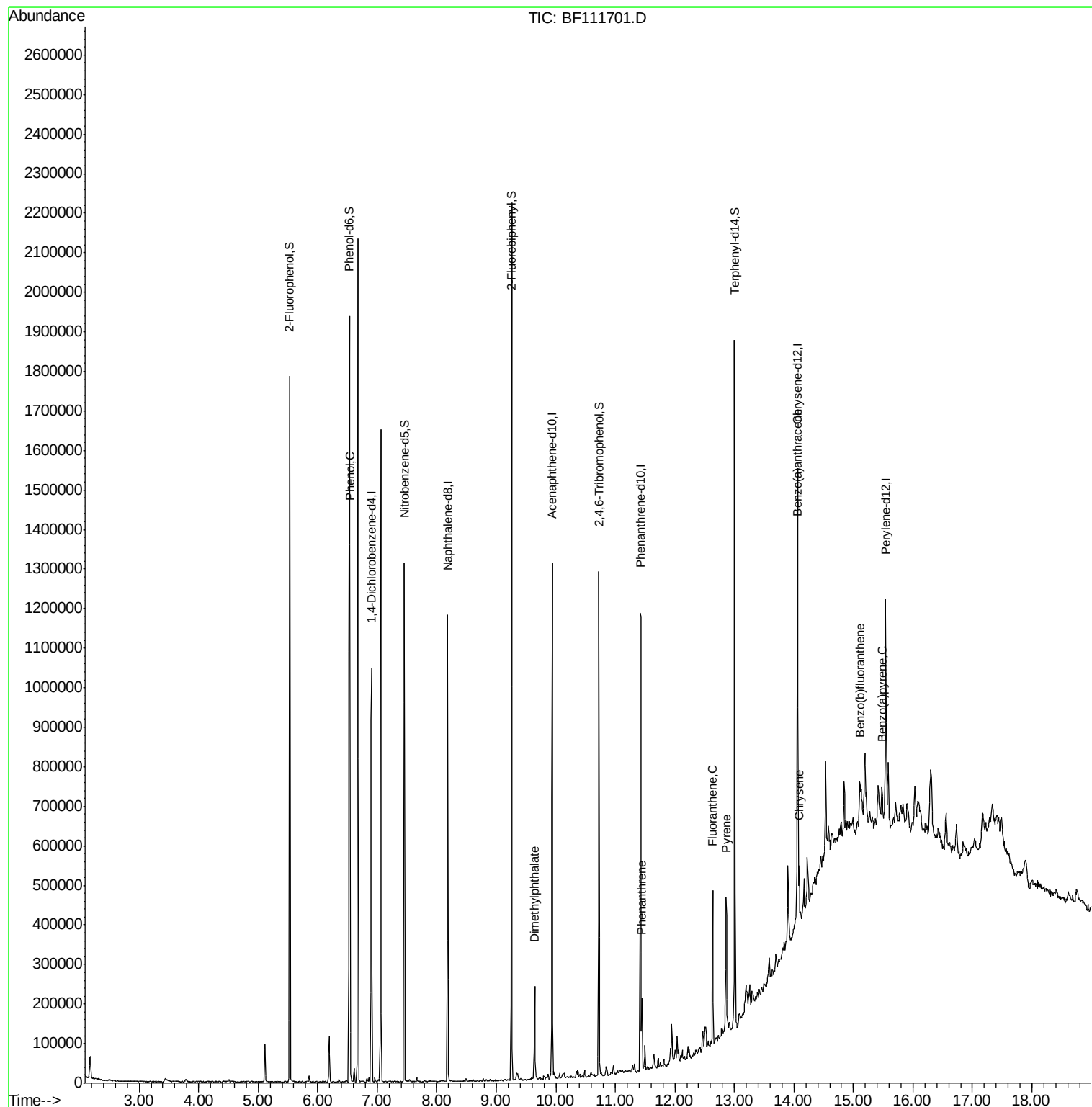
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	145090	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	516005	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	232301	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	442105	20.00	ng	0.01
76) Chrysene-d12	14.06	240	363242	20.00	ng	0.01
87) Perylene-d12	15.54	264	285133	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	461903	54.26	ng	0.01
7) Phenol-d6	6.53	99	569335	52.56	ng	0.01
23) Nitrobenzene-d5	7.46	82	343959	38.80	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	156473	57.01	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	568845	35.69	ng	0.00
79) Terphenyl-d14	13.00	244	598760	31.26	ng	0.00
Target Compounds						
10) Phenol	6.55	94	45633	3.733	ng	99
50) Dimethylphthalate	9.65	163	86004	5.063	ng	98
71) Phenanthrene	11.44	178	80270	3.424	ng	93
75) Fluoranthene	12.64	202	163395	6.882	ng	93
78) Pyrene	12.86	202	137633	5.366	ng	96
81) Benzo(a)anthracene	14.05	228	68354	3.297	ng	98
83) Chrysene	14.09	228	54625	2.681	ng	98
88) Benzo(b)fluoranthene	15.11	252	56957m	3.418	ng	
90) Benzo(a)pyrene	15.48	252	38524	2.545	ng	# 91

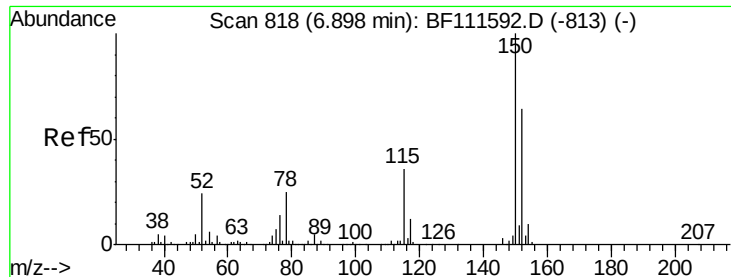
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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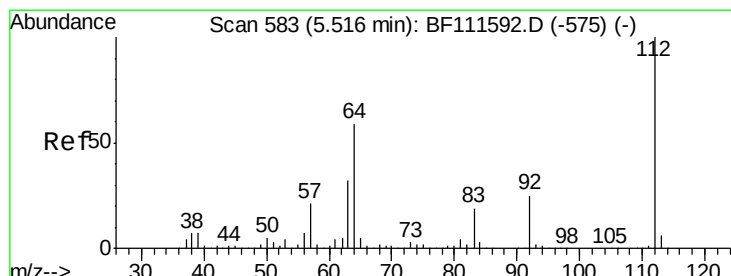
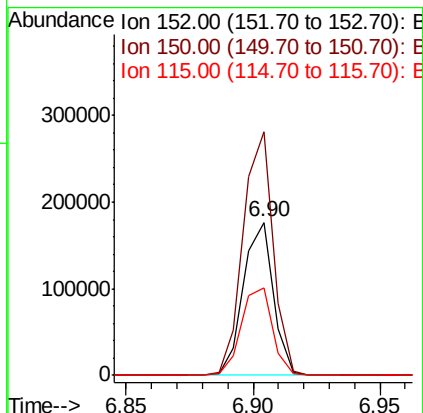
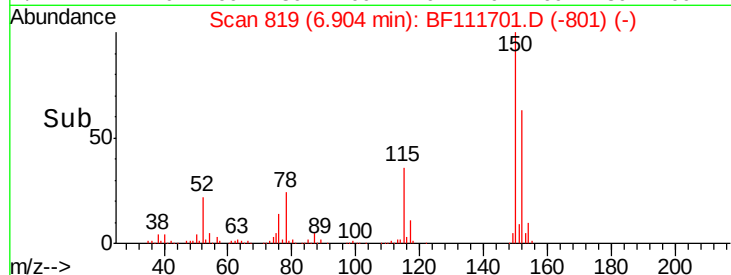
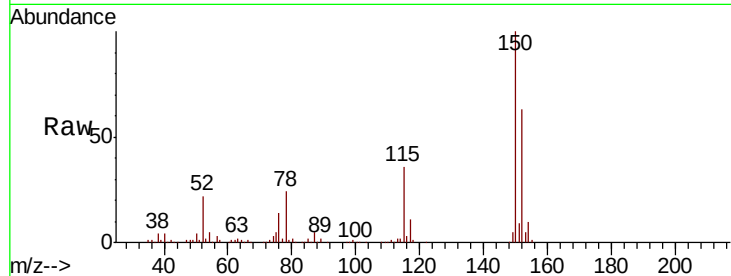


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Instrument :
BNA_E
ClientSampleId :
HD-01-122018

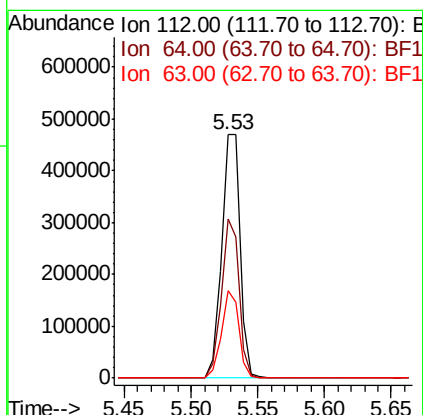
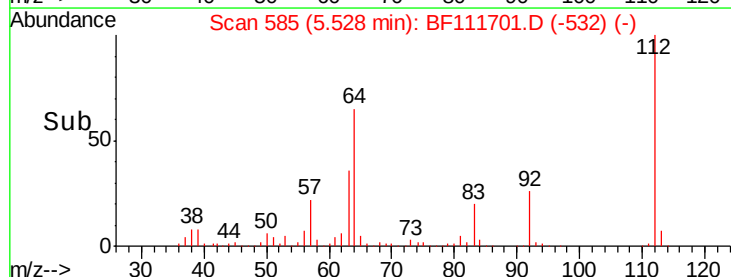
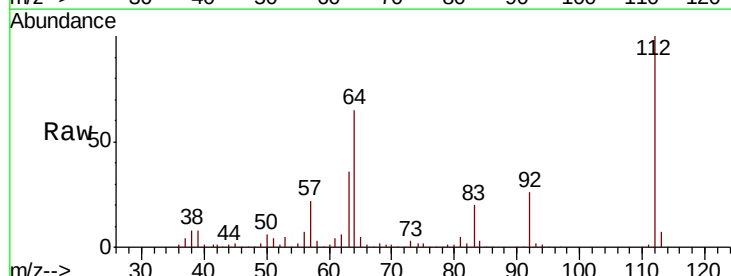
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.6	189.8
115	57.6	50.7	76.1

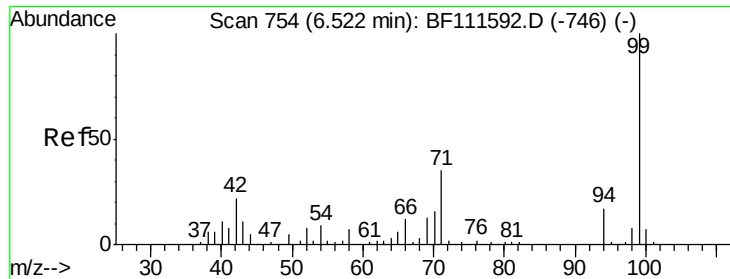


#5

2-Fluorophenol
Concen: 54.265 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	51.8	77.6
63	35.9	26.8	40.2





#7

Phenol-d6

Concen: 52.557 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

Instrument :

BNA_E

ClientSampleId :

HD-01-122018

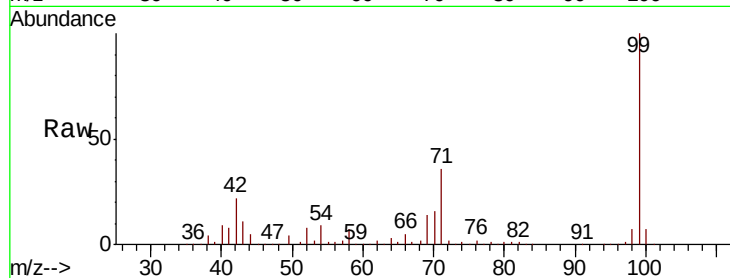
Tot Ion: 99 Resp: 569335

Ion Ratio Lower Upper

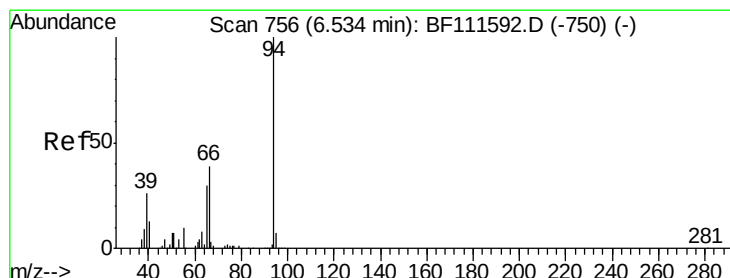
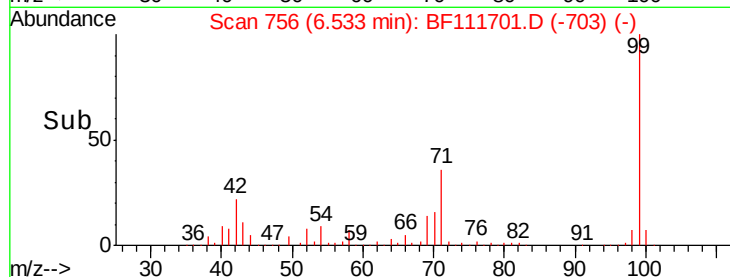
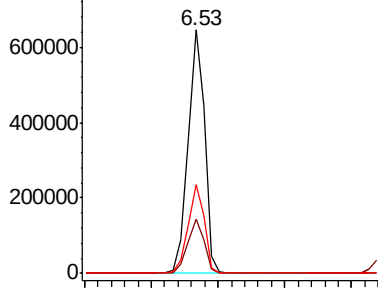
99 100

42 22.1 17.4 26.0

71 36.5 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.733 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

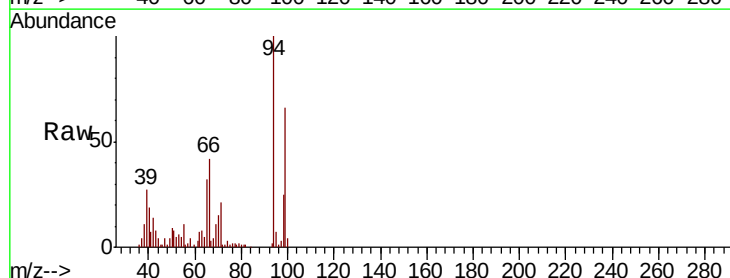
Tgt Ion: 94 Resp: 45633

Ion Ratio Lower Upper

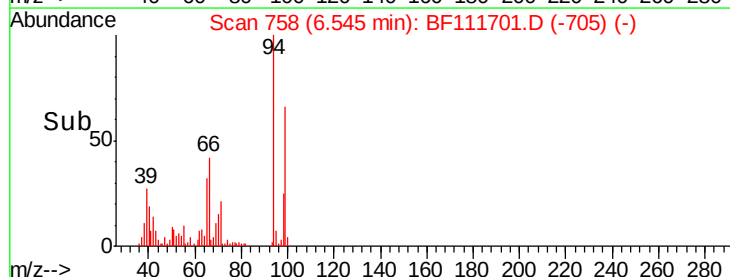
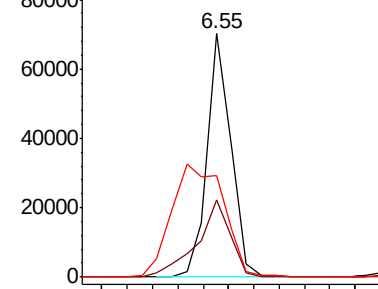
94 100

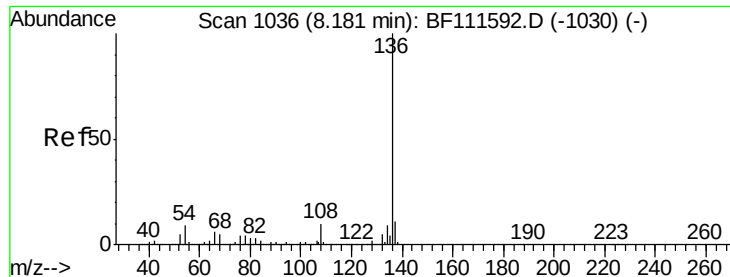
65 31.5 11.7 51.7

66 41.7 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

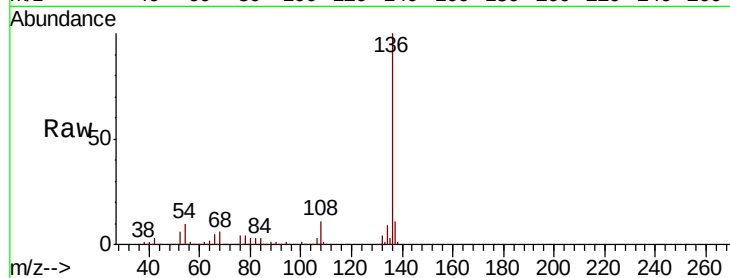




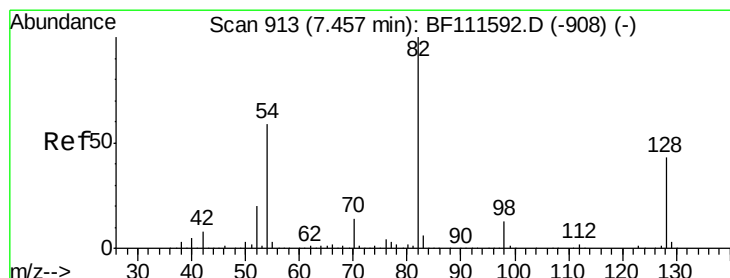
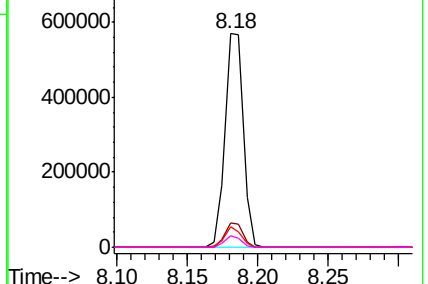
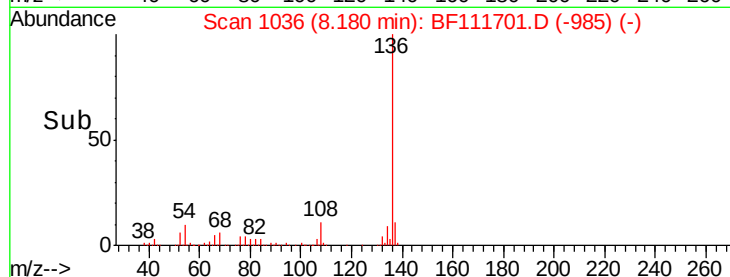
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Instrument :
BNA_E
ClientSampleId :
HD-01-122018

Tot Ion:136	Resp:	516005
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.1 13.7
54	9.5	7.7 11.5
68	5.6	4.9 7.3

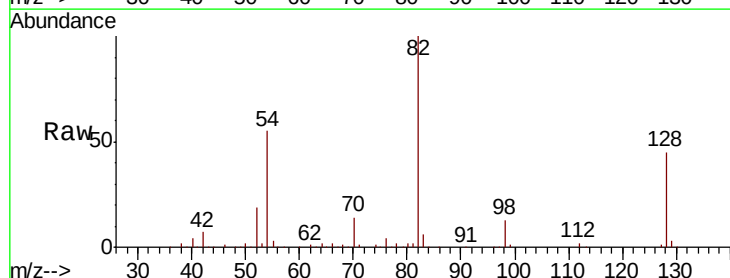


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

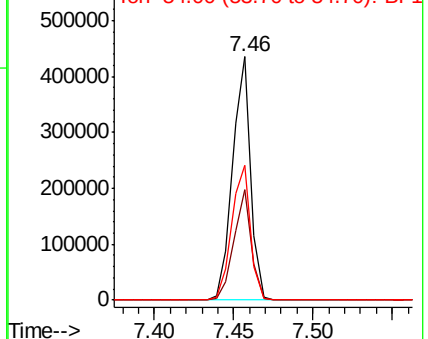
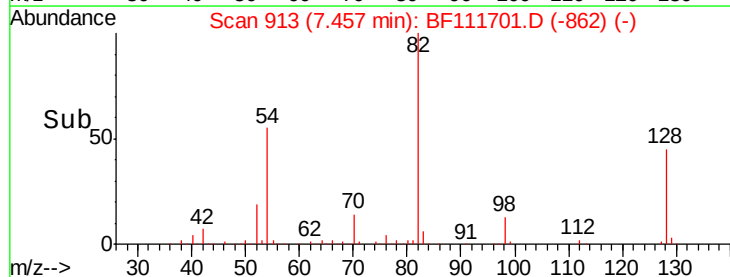


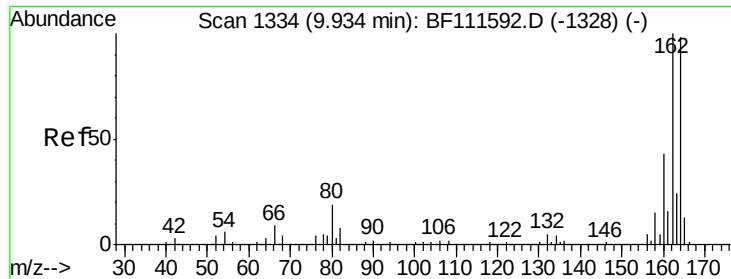
#23
Nitrobenzene-d5
Concen: 38.800 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Tgt Ion: 82	Resp:	343959
Ion	Ratio	Lower Upper
82	100	
128	45.1	37.4 56.2
54	55.5	47.6 71.4



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

Instrument :

BNA_E

ClientSampleId :

HD-01-122018

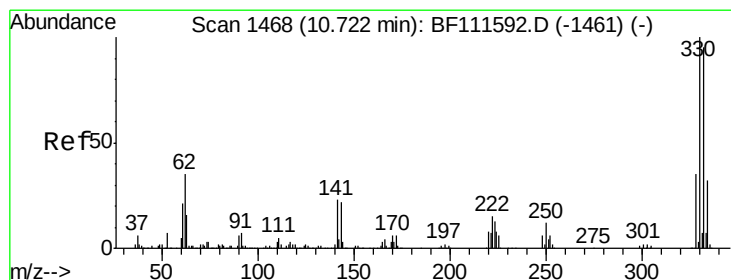
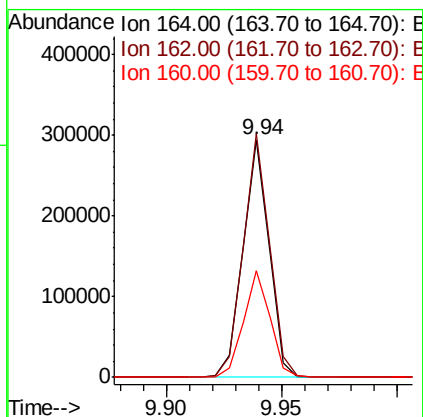
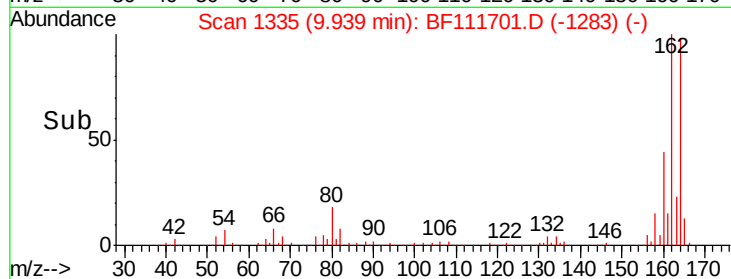
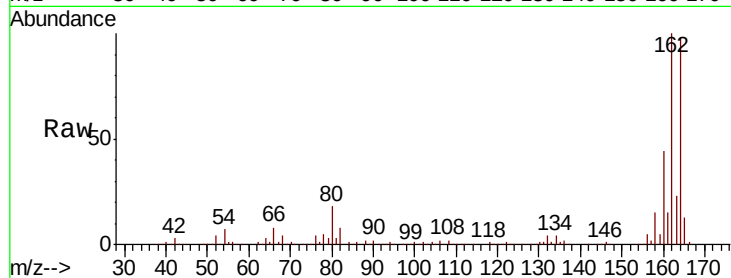
Tot Ion:164 Resp: 232301

Ion Ratio Lower Upper

164 100

162 102.4 81.4 122.0

160 44.9 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 57.007 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

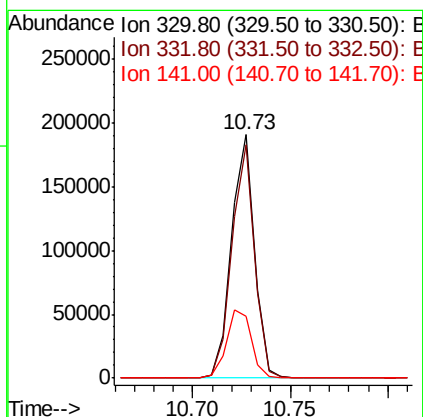
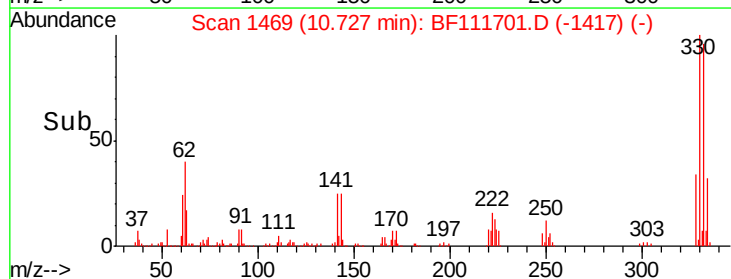
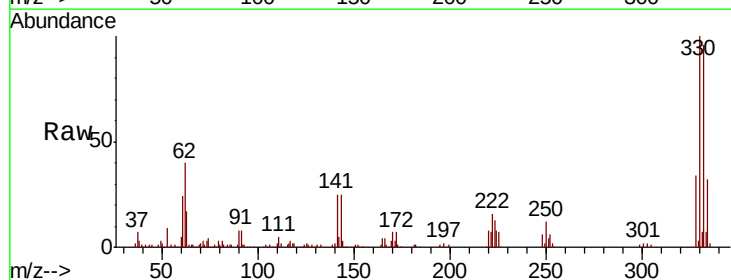
Tgt Ion:330 Resp: 156473

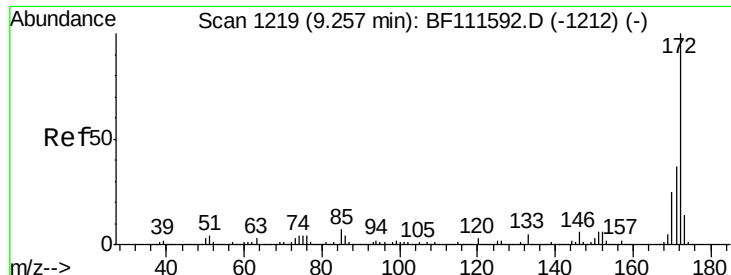
Ion Ratio Lower Upper

330 100

332 94.5 76.0 114.0

141 30.2 31.0 46.6#

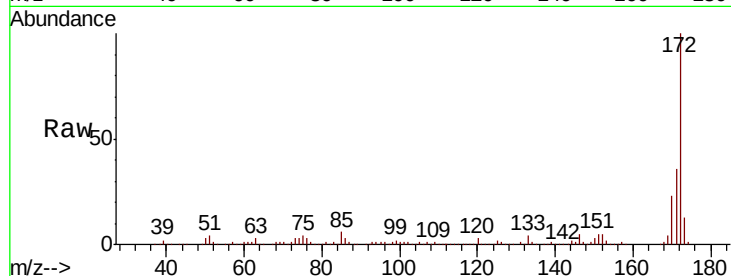




#45
2-Fluorobiphenyl
Concen: 35.692 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Instrument :
BNA_E
ClientSampleId :
HD-01-122018

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	33.0	49.4
170	22.9	22.3	33.5

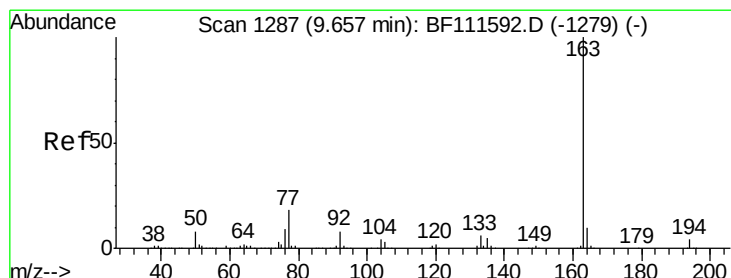
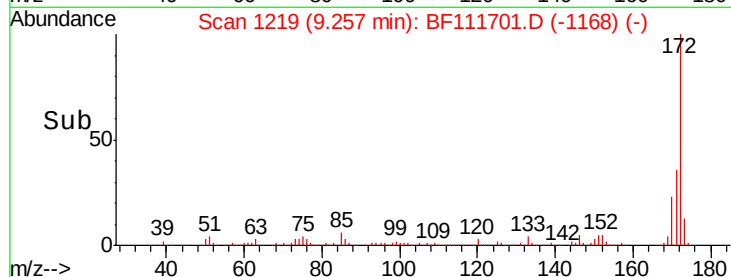
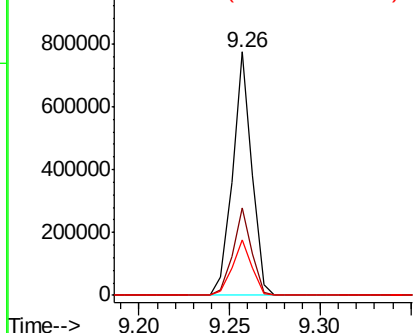


Abundance

Ion 172.00 (171.70 to 172.70): E

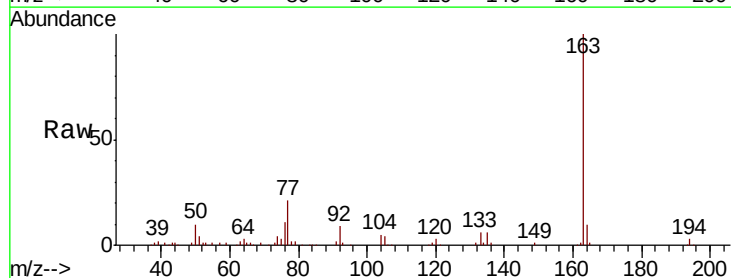
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.063 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.6
164	10.4	8.9	13.3

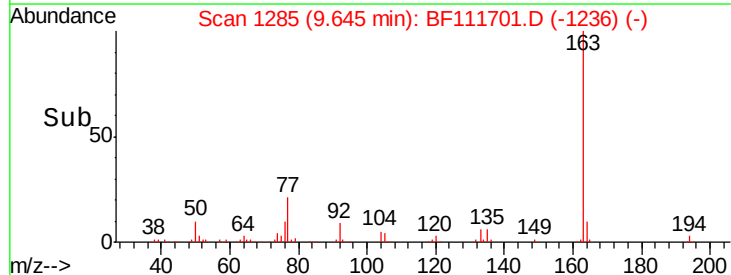
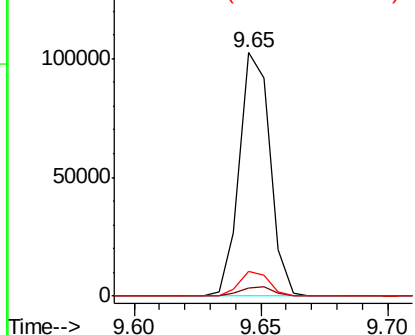


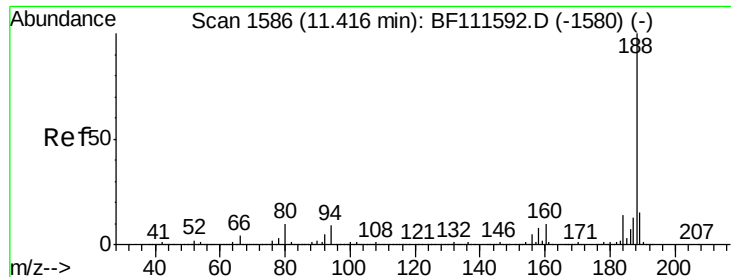
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

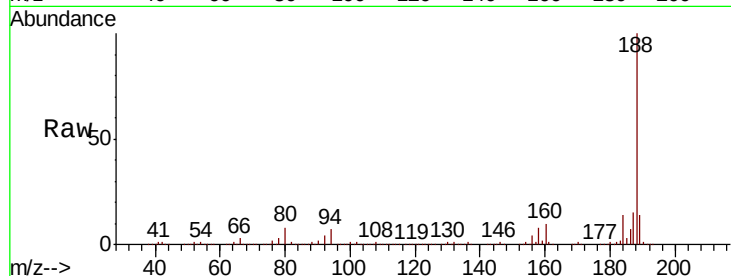




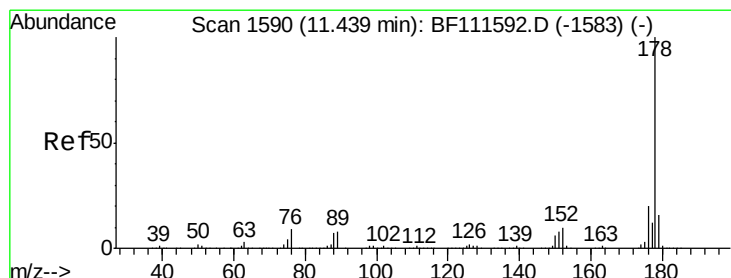
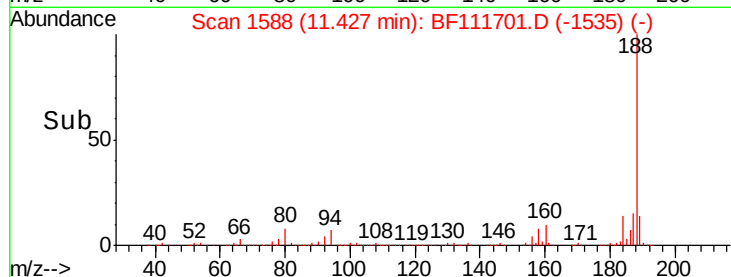
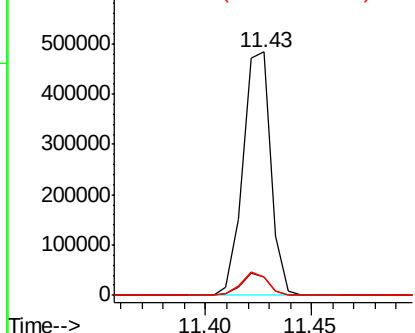
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Instrument :
BNA_E
ClientSampleId :
HD-01-122018

Tot Ion:188 Resp: 442105
Ion Ratio Lower Upper
188 100
94 7.5 9.6 14.4#
80 7.7 9.8 14.6#

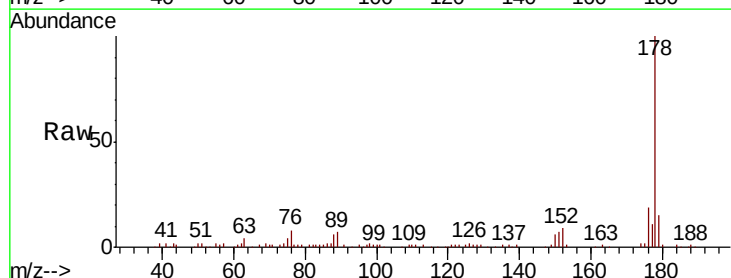


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

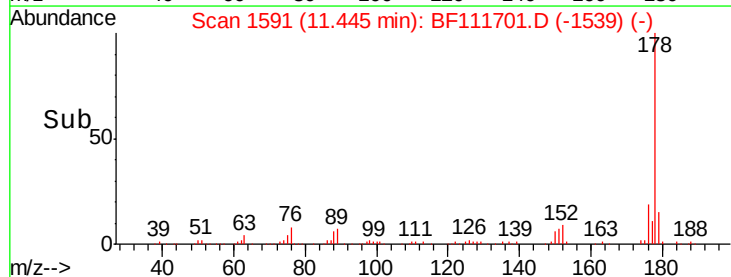
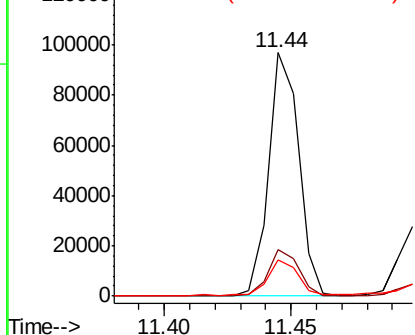


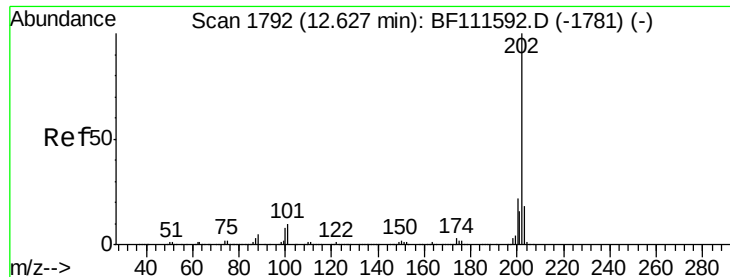
#71
Phenanthrene
Concen: 3.424 ng
RT: 11.44 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Tgt Ion:178 Resp: 80270
Ion Ratio Lower Upper
178 100
176 19.1 18.1 27.1
179 14.8 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.882 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

Instrument :

BNA_E

ClientSampleId :

HD-01-122018

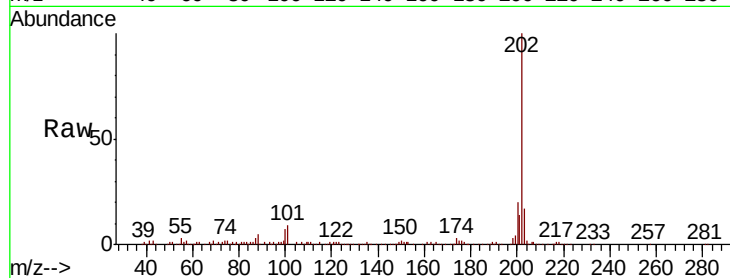
Tot Ion:202 Resp: 163395

Ion Ratio Lower Upper

202 100

101 9.1 0.0 33.8

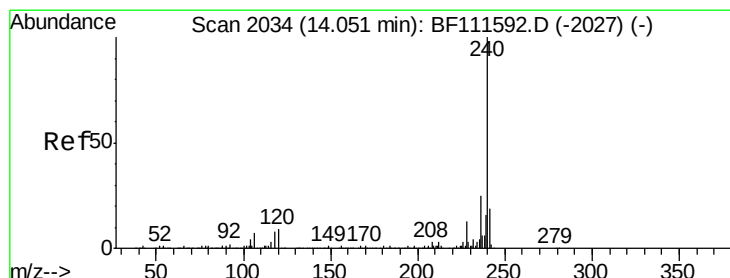
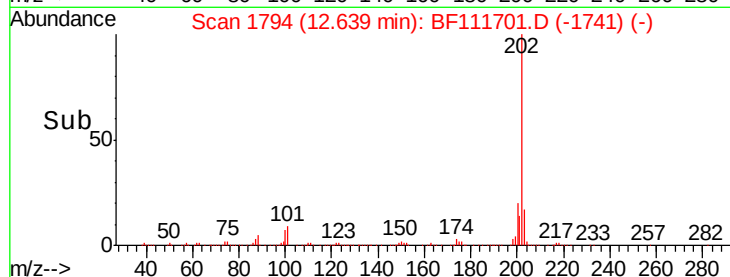
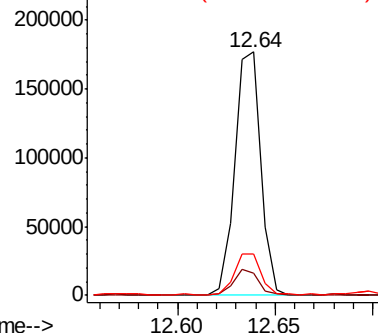
203 17.1 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

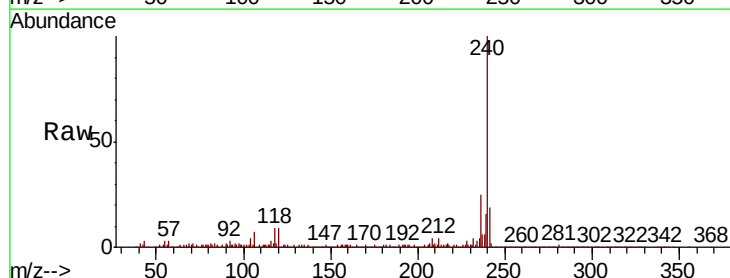
Tgt Ion:240 Resp: 363242

Ion Ratio Lower Upper

240 100

120 9.5 12.2 18.2#

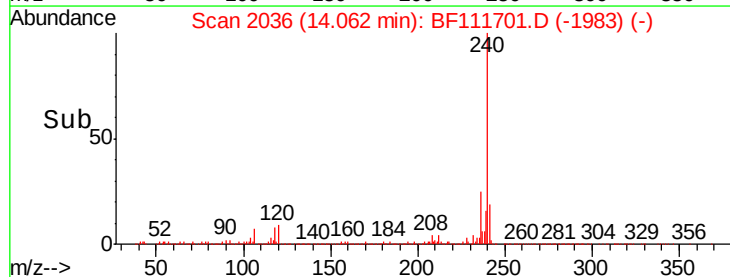
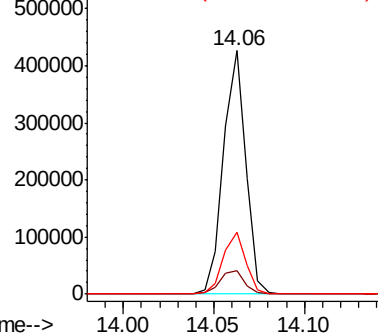
236 25.5 20.2 30.2

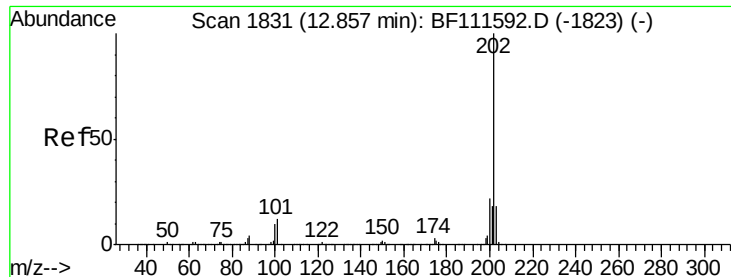


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

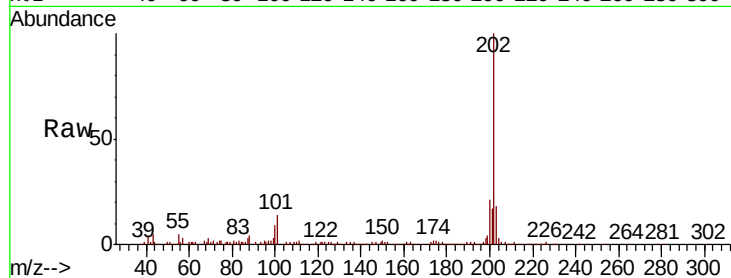




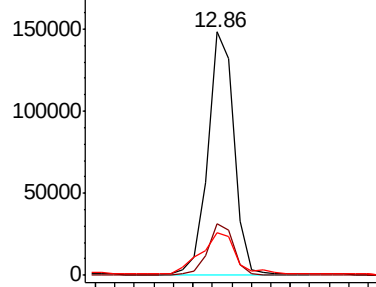
#78
Pvrene
Concen: 5.366 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Instrument :
BNA_E
ClientSampleId :
HD-01-122018

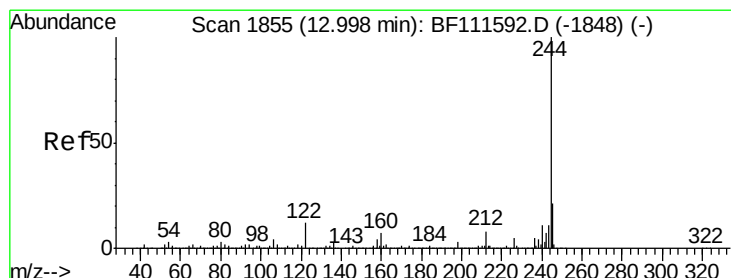
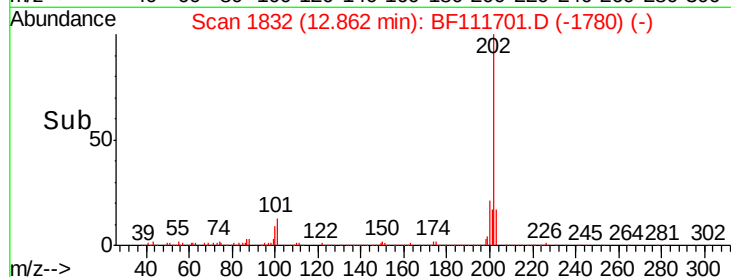
Tot Ion:202 Resp: 137633
Ion Ratio Lower Upper
202 100
200 21.3 19.0 28.4
203 17.8 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

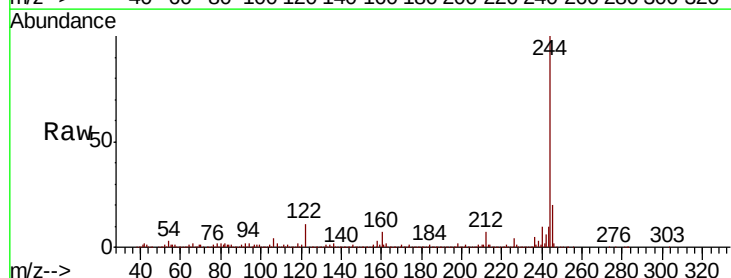


Time--> 12.80 12.85 12.90

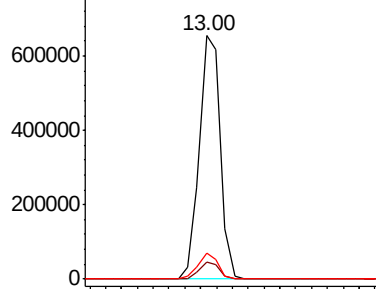


#79
Terphenyl-d14
Concen: 31.260 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

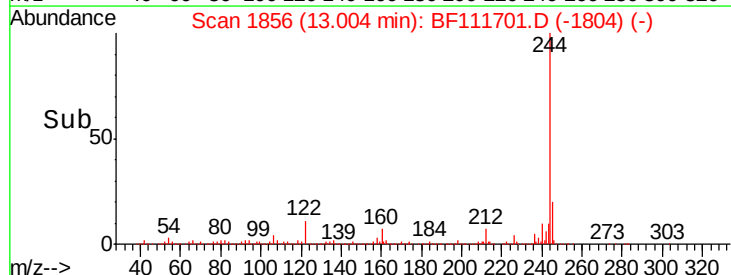
Tgt Ion:244 Resp: 598760
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.6 13.1 19.7#

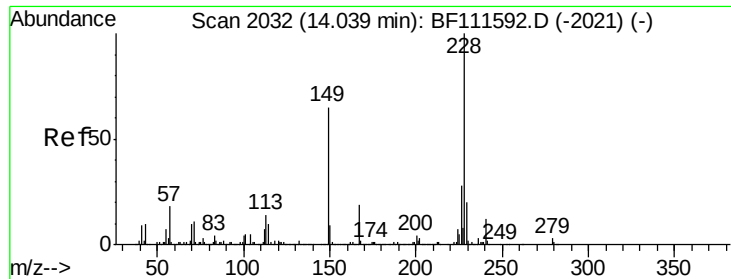


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time--> 12.95 13.00 13.05

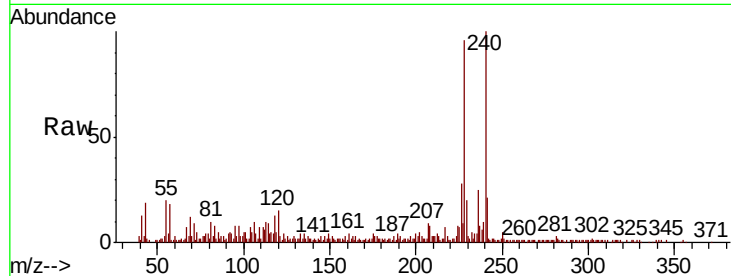




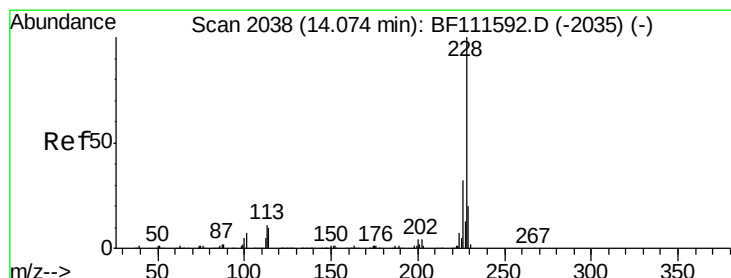
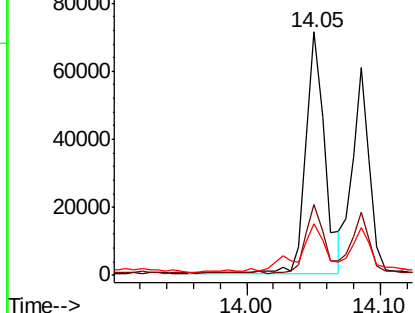
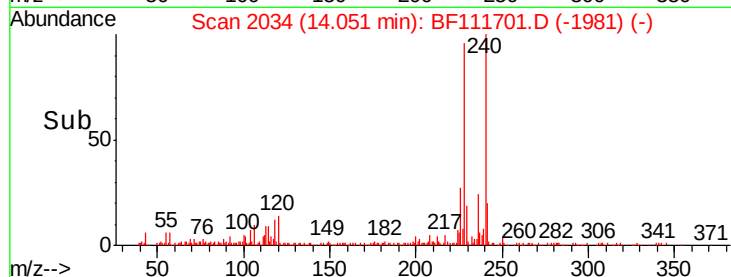
#81
Benzo(a)anthracene
Concen: 3.297 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Instrument :
BNA_E
ClientSampleId :
HD-01-122018

Tot Ion:228 Resp: 68354
Ion Ratio Lower Upper
228 100
226 29.3 22.6 34.0
229 21.1 16.3 24.5

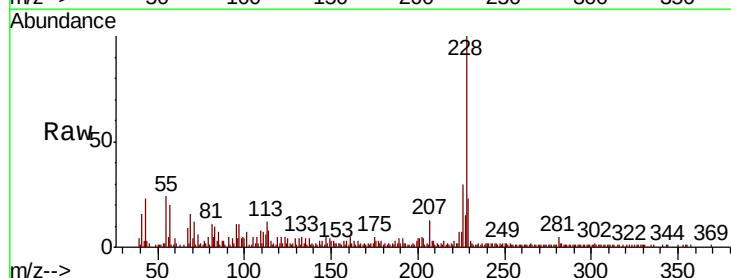


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

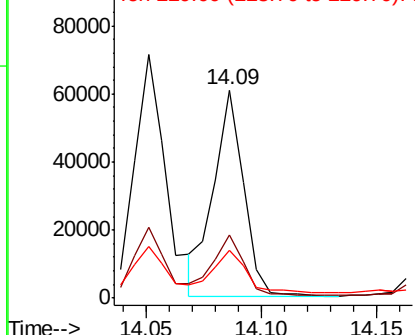
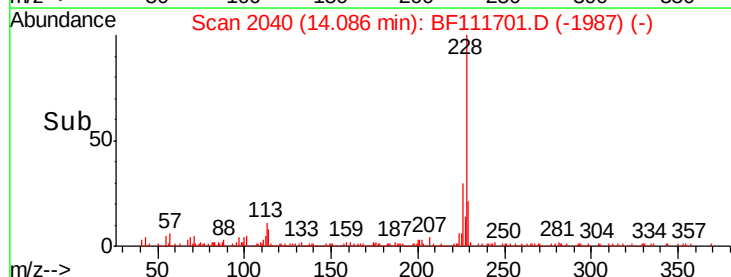


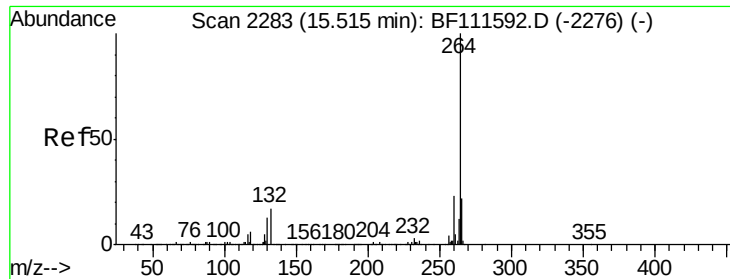
#83
Chrysene
Concen: 2.681 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Tgt Ion:228 Resp: 54625
Ion Ratio Lower Upper
228 100
226 30.4 25.3 37.9
229 22.6 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

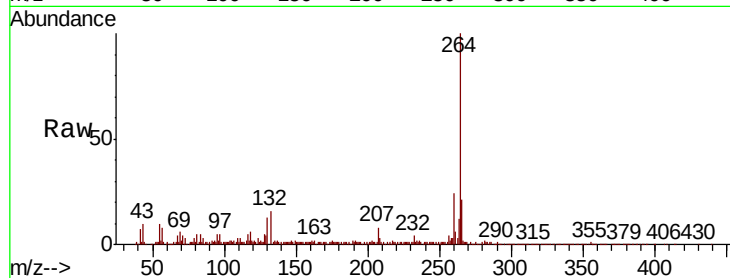




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.03 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Instrument :
BNA_E
ClientSampleId :
HD-01-122018

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	21.2	17.7	26.5

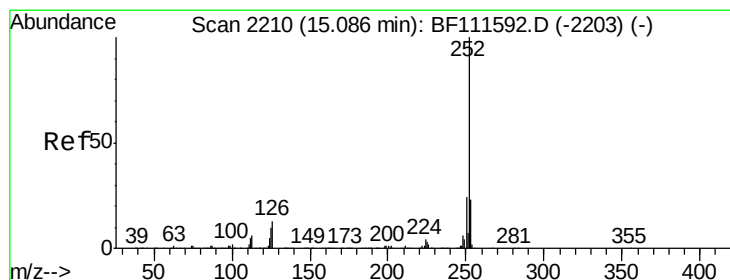
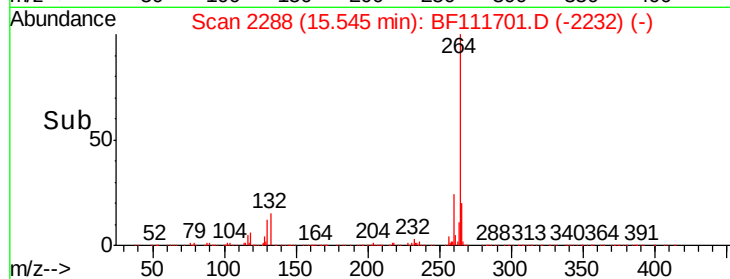
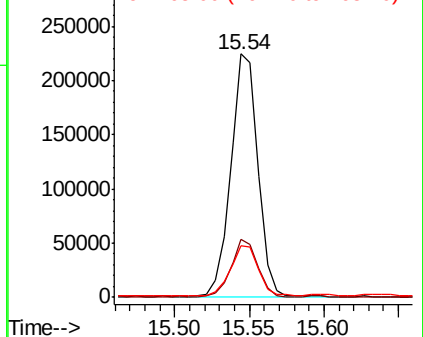


Abundance

Ion 264.00 (263.70 to 264.70): E

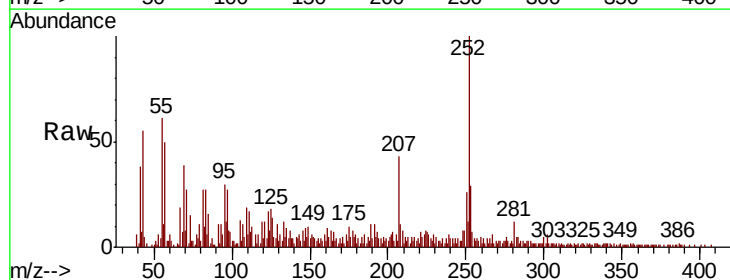
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 3.418 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF111701.D
Acq: 21 Dec 2018 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.0	18.2	27.2#
125	18.4	10.4	15.6#

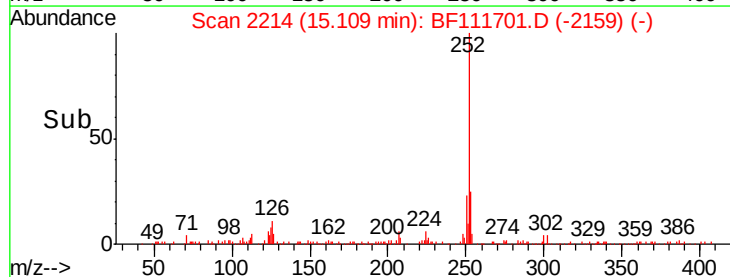
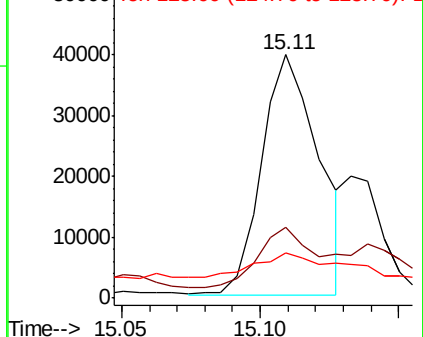


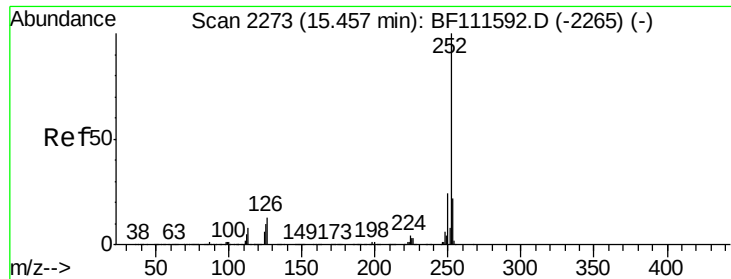
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.545 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.02 min

Lab File: BF111701.D

Acq: 21 Dec 2018 21:36

Instrument :

BNA_E

ClientSampleId :

HD-01-122018

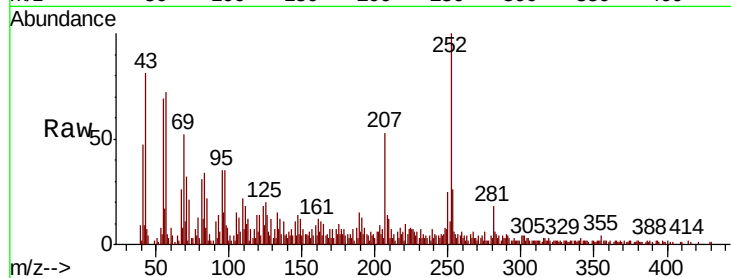
Tot Ion:252 Resp: 38524

Ion Ratio Lower Upper

252 100

253 26.2 17.8 26.8

125 19.6 12.3 18.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

