

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
 Data File : BF111671.D
 Acq On : 21 Dec 2018 6:40
 Operator : JU/SJ
 Sample : J6482-05
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R20-CONCRETE

Quant Time: Dec 21 07:59:40 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

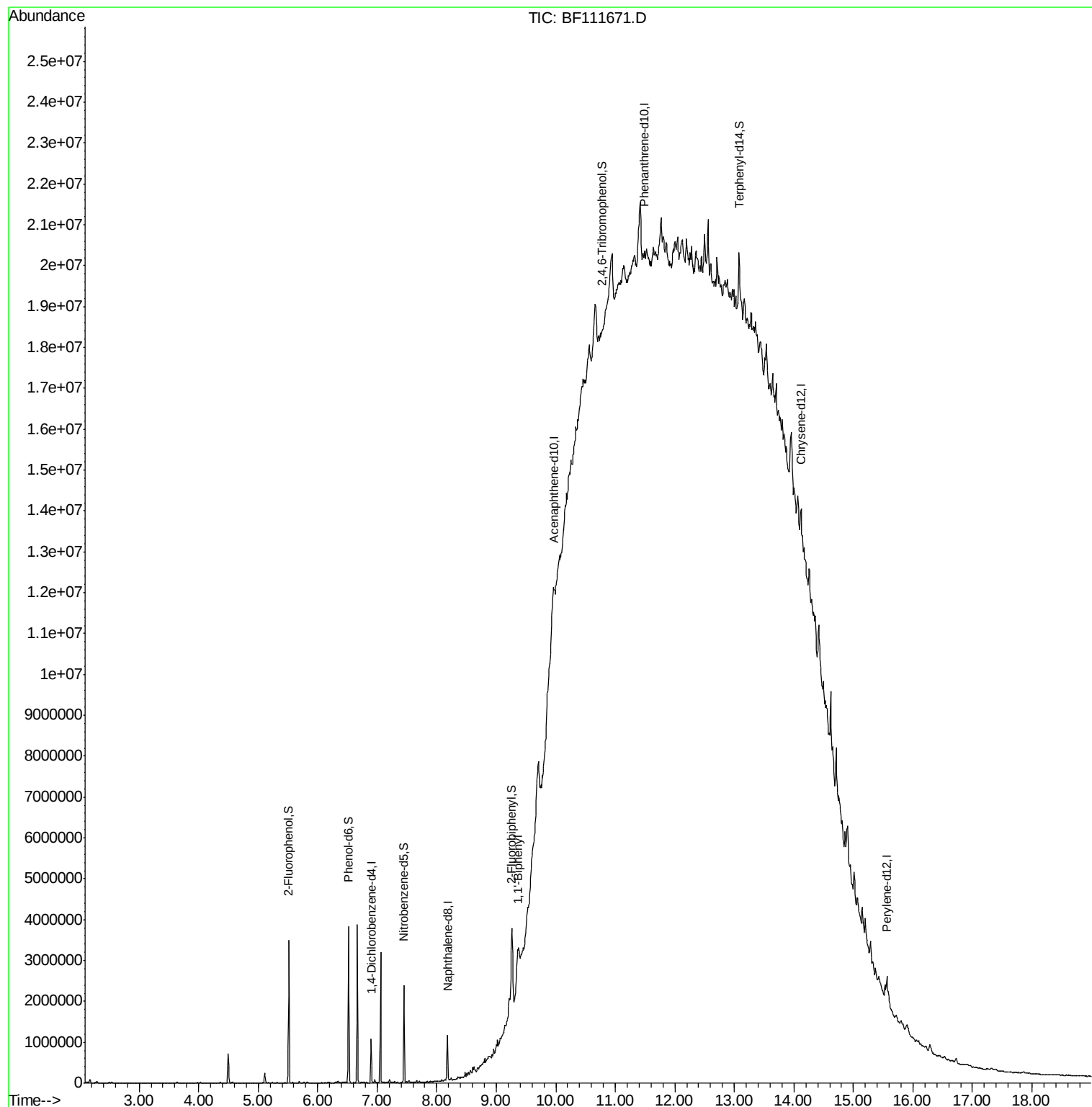
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	146283	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	482059	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	207597	20.00	ng	0.04
64) Phenanthrene-d10	11.50	188	178241	20.00	ng	0.08
76) Chrysene-d12	14.12	240	234686	20.00	ng	0.06
87) Perylene-d12	15.56	264	246490	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	936124	109.08	ng	0.00
7) Phenol-d6	6.52	99	1202885	110.14	ng	0.00
23) Nitrobenzene-d5	7.45	82	685450	82.77	ng	0.00
42) 2,4,6-Tribromophenol	10.77	330	186434	76.01	ng	0.05
45) 2-Fluorobiphenyl	9.26	172	1240676	87.11	ng	0.00
79) Terphenyl-d14	13.08	244	706453	57.09	ng	0.08
Target Compounds						
46) 1,1'-Biphenyl	9.36	154	50658	2.891	ng	Qvalue 90

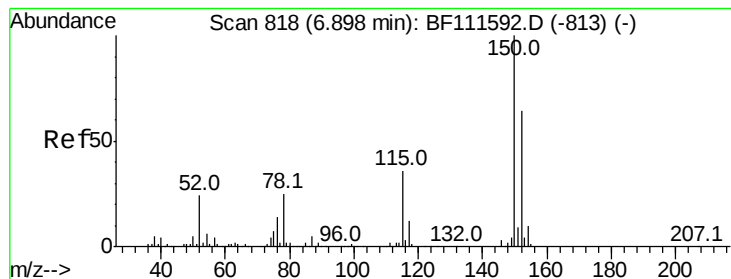
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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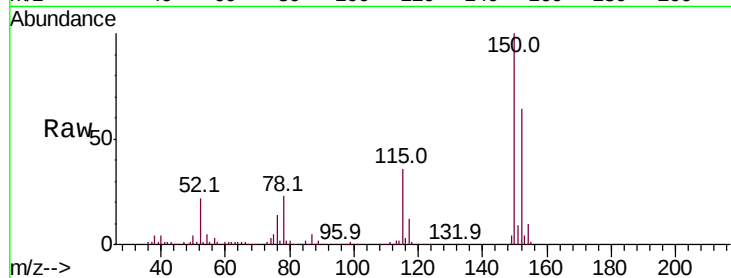


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111671.D
Acq: 21 Dec 2018 6:40

Instrument :
BNA_F
ClientSampleId :
R20-CONCRETE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	126.6	189.8
115	56.9	50.7	76.1

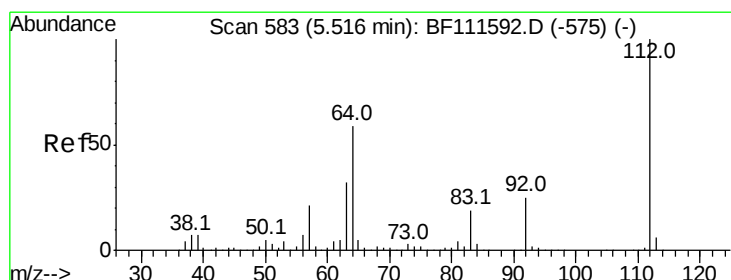
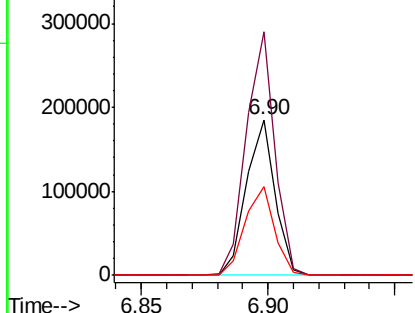
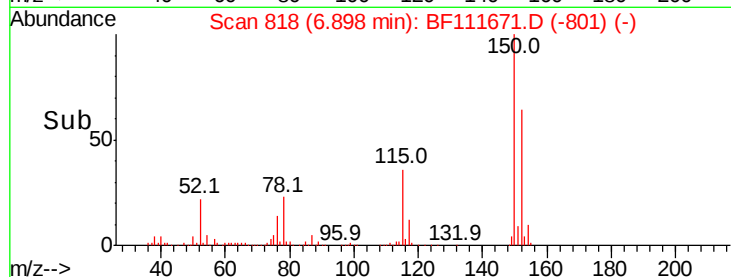


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

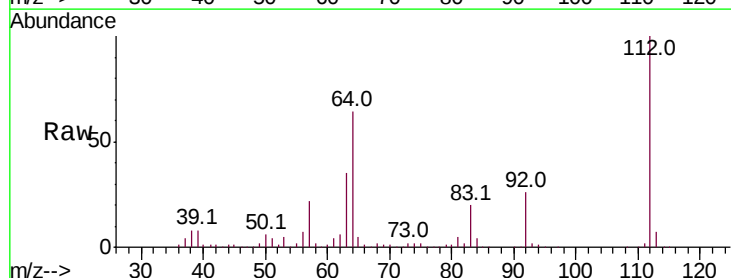
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.080 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF111671.D
Acq: 21 Dec 2018 6:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	51.8	77.6
63	35.4	26.8	40.2

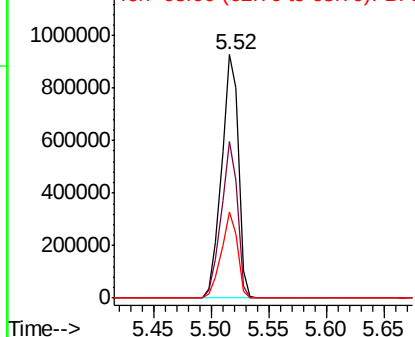
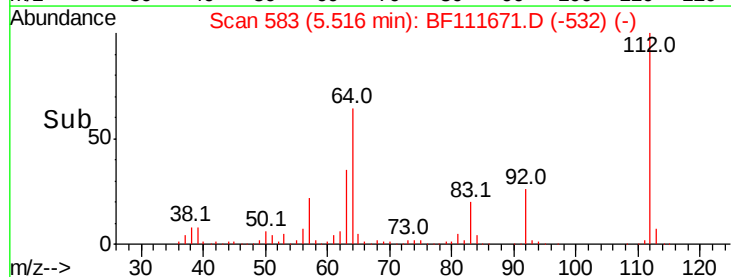


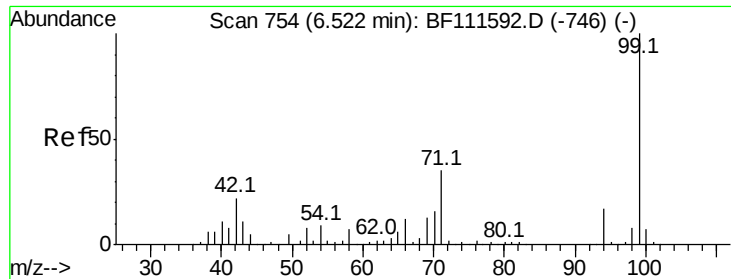
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 110.135 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF111671.D

Acq: 21 Dec 2018 6:40

Instrument :

BNA_F

ClientSampleId :

R20-CONCRETE

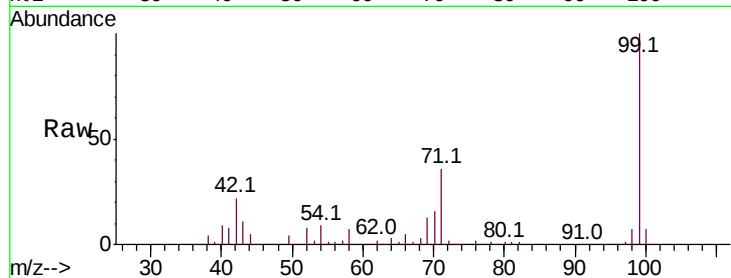
Tot Ion: 99 Resp: 1202885

Ion Ratio Lower Upper

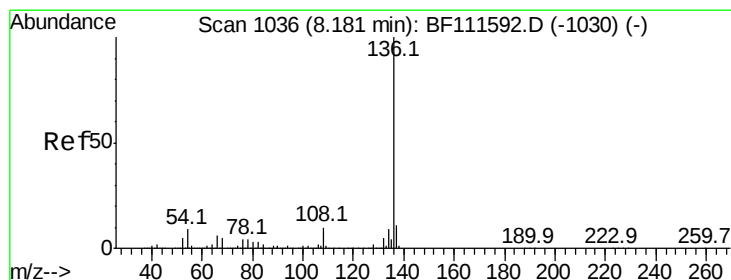
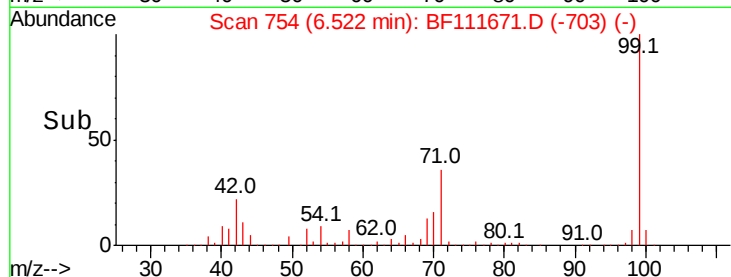
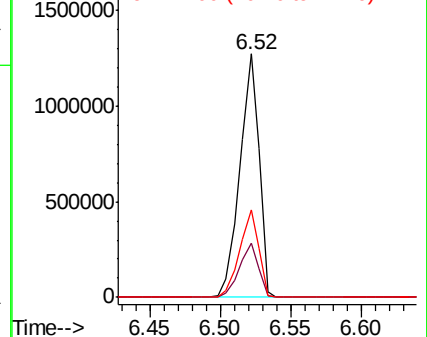
99 100

42 22.1 17.4 26.0

71 36.1 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF111671.D

Acq: 21 Dec 2018 6:40

Tgt Ion: 136 Resp: 482059

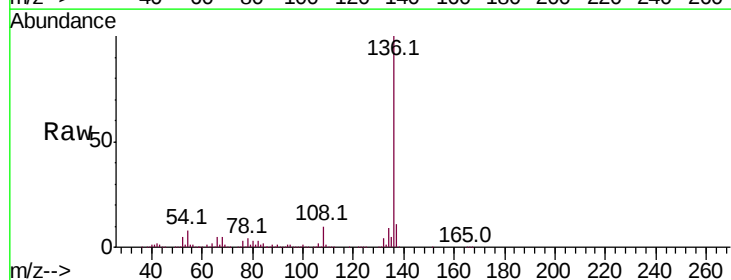
Ion Ratio Lower Upper

136 100

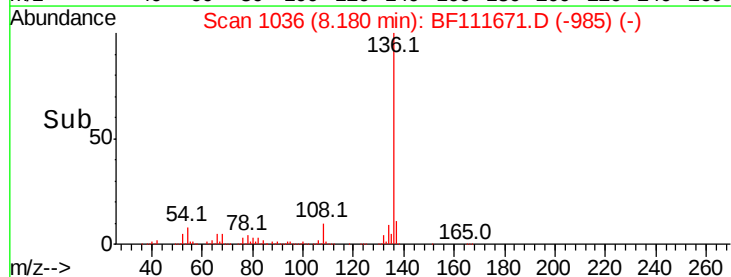
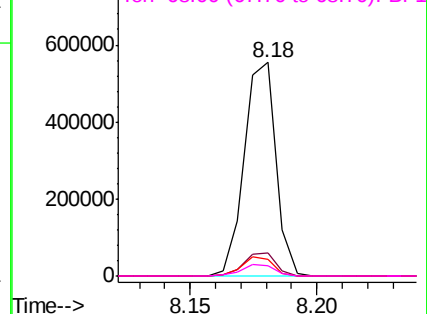
137 10.8 9.1 13.7

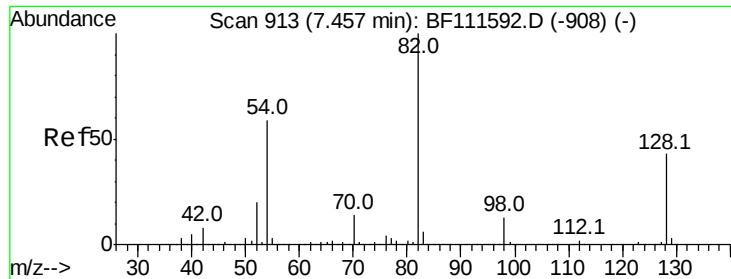
54 8.1 7.7 11.5

68 5.1 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

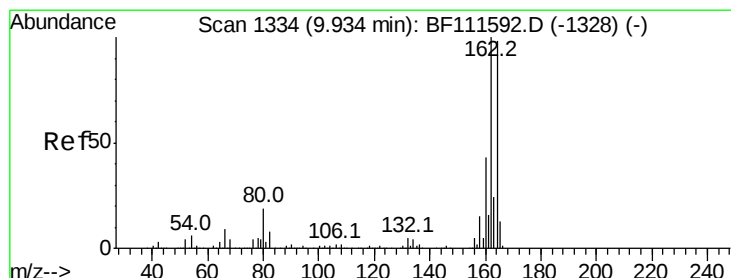
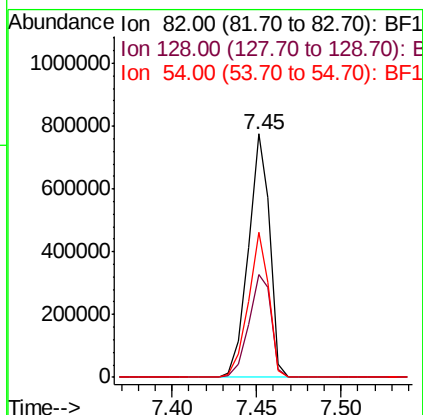
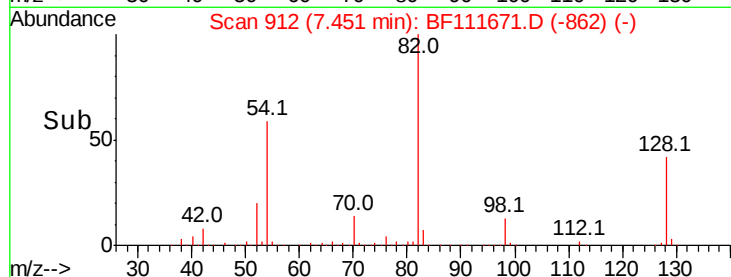
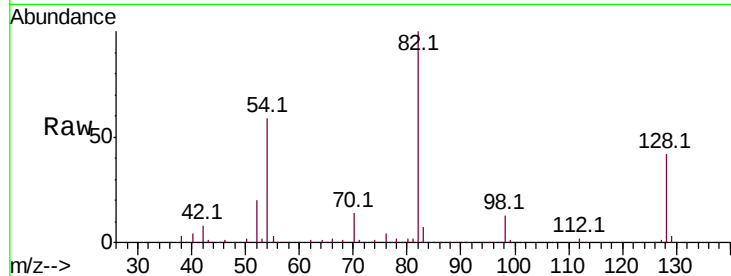




#23
Nitrobenzene-d5
Concen: 82.767 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF111671.D
Acq: 21 Dec 2018 6:40

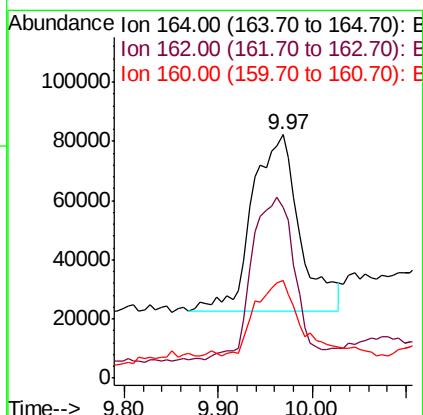
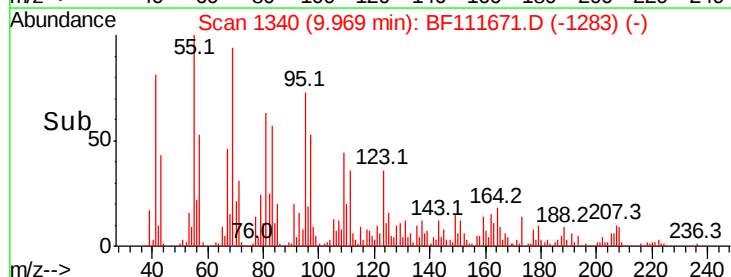
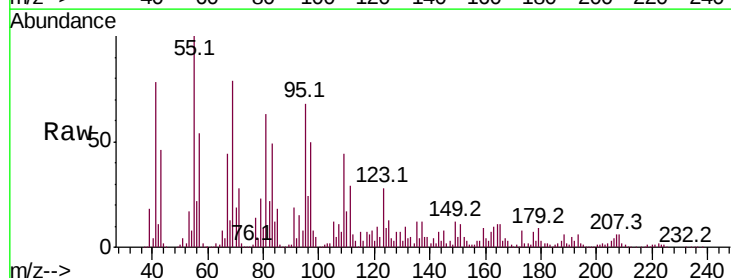
Instrument :
BNA_F
ClientSampleId :
R20-CONCRETE

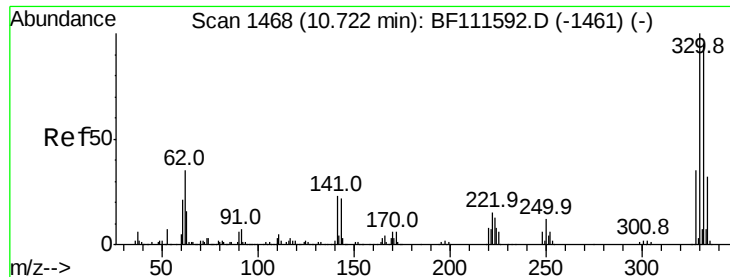
Tot Ion: 82 Resp: 685450
Ion Ratio Lower Upper
82 100
128 42.2 37.4 56.2
54 59.4 47.6 71.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.04 min
Lab File: BF111671.D
Acq: 21 Dec 2018 6:40

Tgt Ion:164 Resp: 207597
Ion Ratio Lower Upper
164 100
162 69.9 81.4 122.0#
160 40.2 35.7 53.5

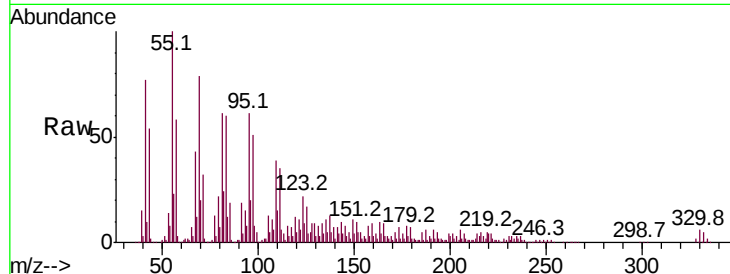




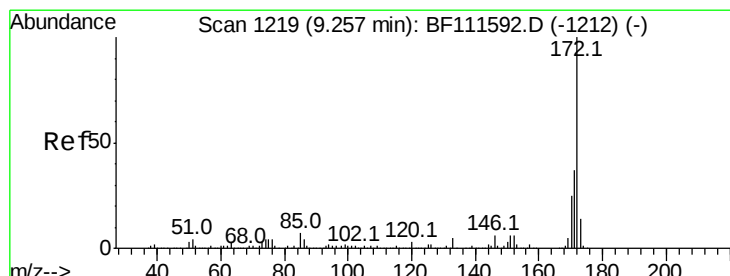
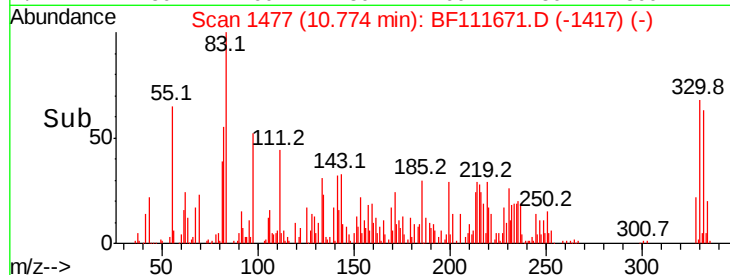
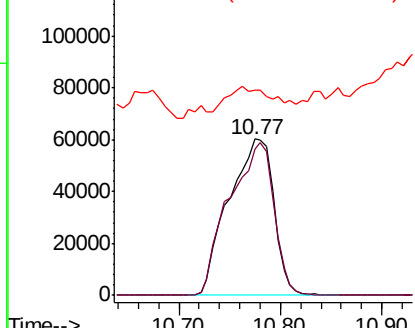
#42
 2,4,6-Tribromophenol
 Concen: 76.005 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. 0.05 min
 Lab File: BF111671.D
 Acq: 21 Dec 2018 6:40

Instrument :
 BNA_F
 ClientSampleId :
 R20-CONCRETE

Tot Ion:330 Resp: 186434
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.0 114.0
 141 17.7 31.0 46.6#

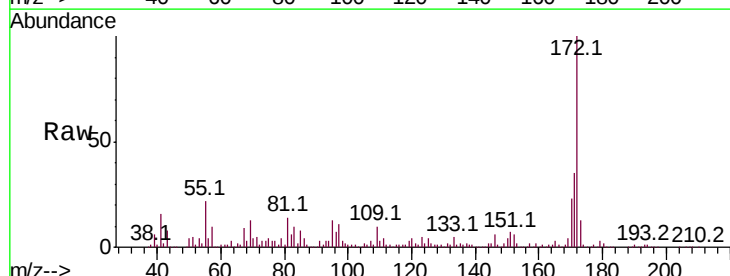


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

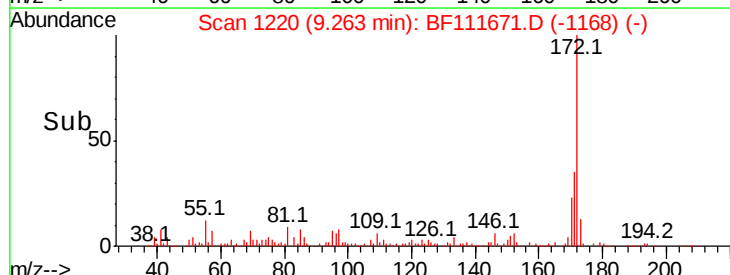
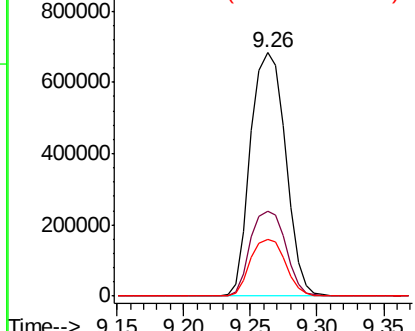


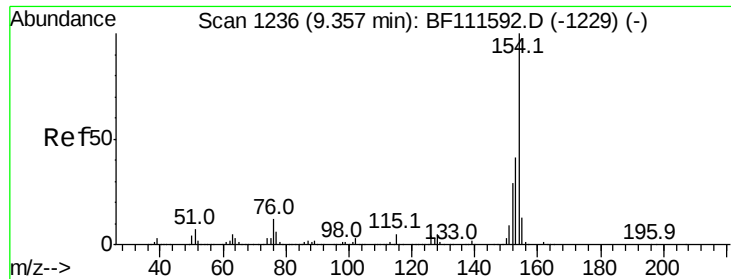
#45
 2-Fluorobiphenyl
 Concen: 87.110 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: BF111671.D
 Acq: 21 Dec 2018 6:40

Tgt Ion:172 Resp: 1240676
 Ion Ratio Lower Upper
 172 100
 171 35.0 33.0 49.4
 170 23.1 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





#46

1,1'-Biphenyl

Concen: 2.891 ng

RT: 9.36 min Scan# 1237

Delta R.T. 0.01 min

Lab File: BF111671.D

Acq: 21 Dec 2018 6:40

Instrument :

BNA_F

ClientSampleId :

R20-CONCRETE

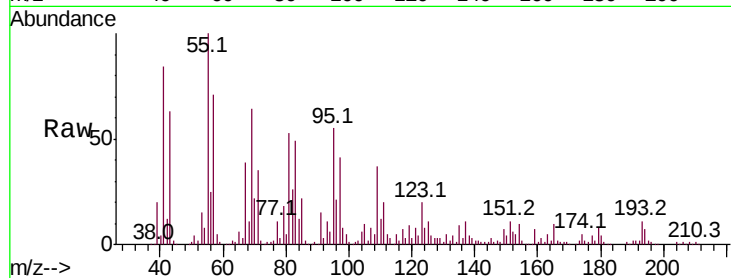
Tot Ion:154 Resp: 50658

Ion Ratio Lower Upper

154 100

153 51.1 23.7 63.7

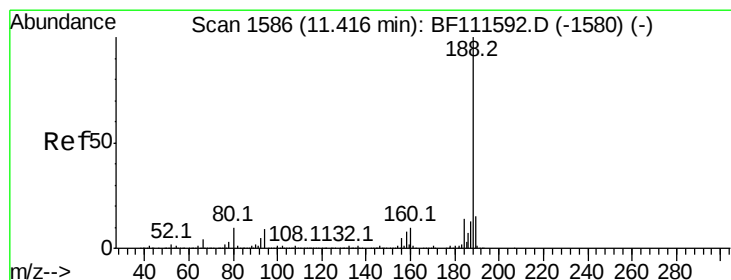
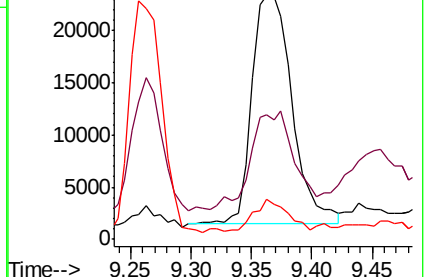
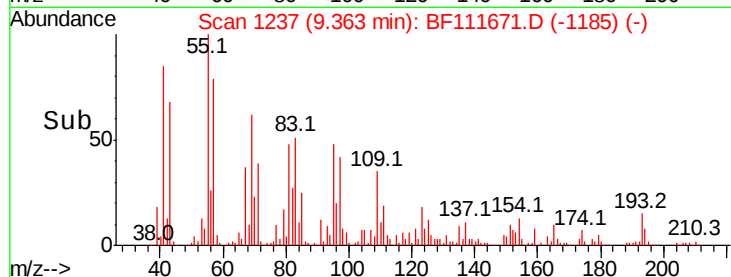
76 16.6 0.0 35.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.08 min

Lab File: BF111671.D

Acq: 21 Dec 2018 6:40

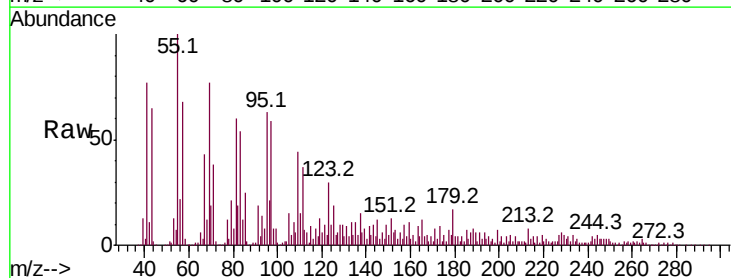
Tgt Ion:188 Resp: 178241

Ion Ratio Lower Upper

188 100

94 100.6 9.6 14.4#

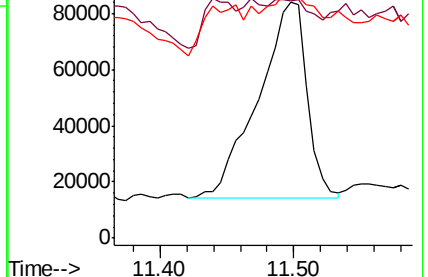
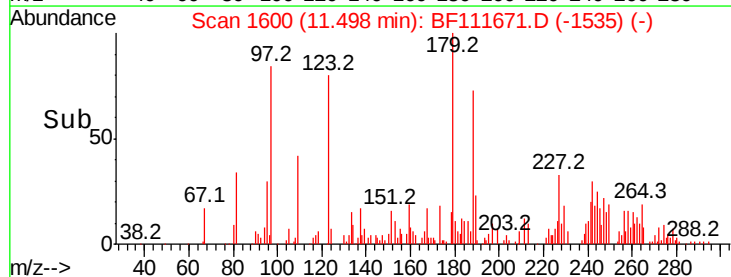
80 102.4 9.8 14.6#

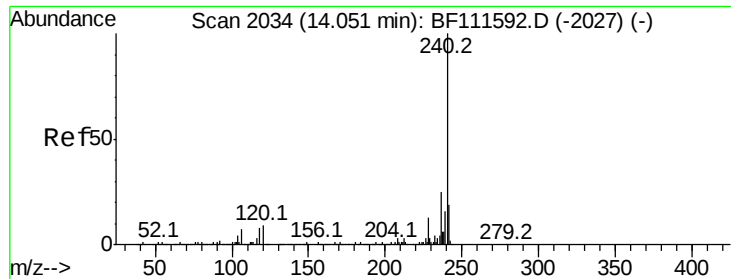


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.12 min Scan# 2045

Delta R.T. 0.06 min

Lab File: BF111671.D

Acq: 21 Dec 2018 6:40

Instrument :

BNA_F

ClientSampleId :

R20-CONCRETE

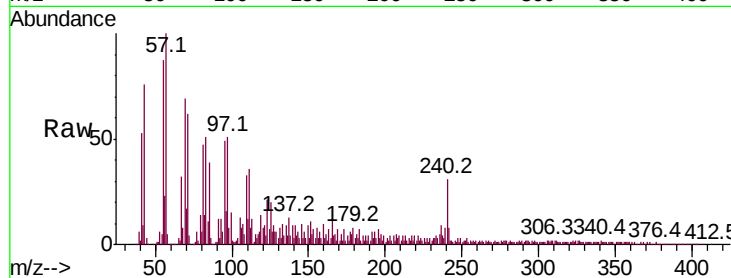
Tot Ion:240 Resp: 234686

Ion Ratio Lower Upper

240 100

120 27.1 12.2 18.2#

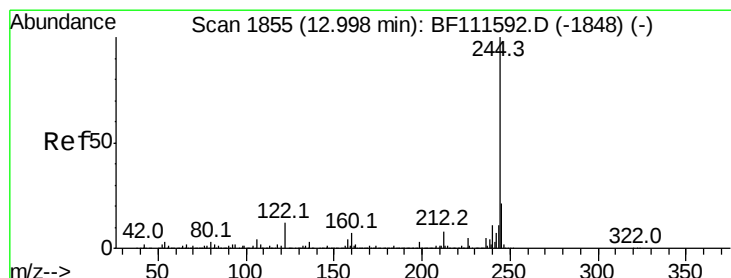
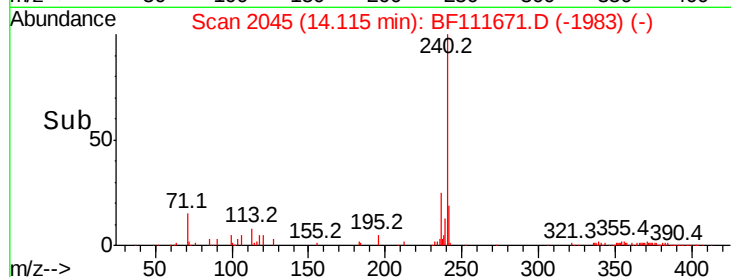
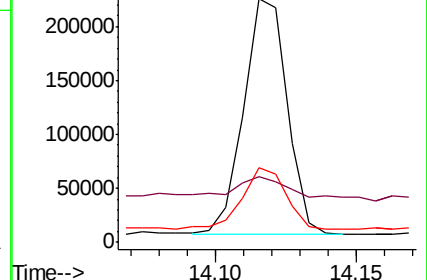
236 30.8 20.2 30.2#



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



#79

Terphenyl-d14

Concen: 57.086 ng

RT: 13.08 min Scan# 1869

Delta R.T. 0.08 min

Lab File: BF111671.D

Acq: 21 Dec 2018 6:40

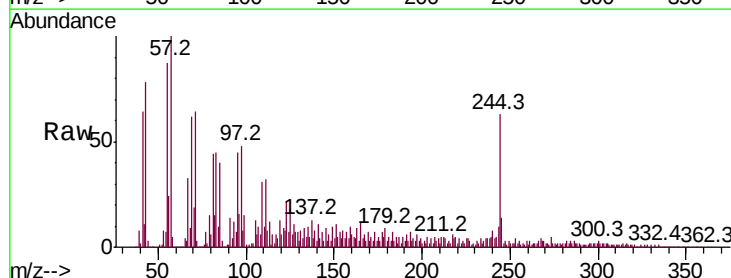
Tgt Ion:244 Resp: 706453

Ion Ratio Lower Upper

244 100

212 8.1 5.7 8.5

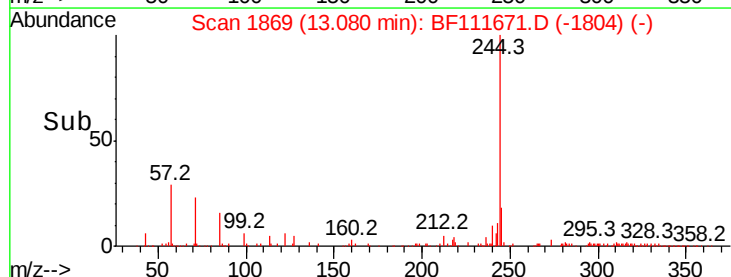
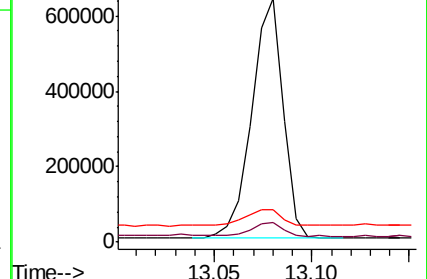
122 13.2 13.1 19.7

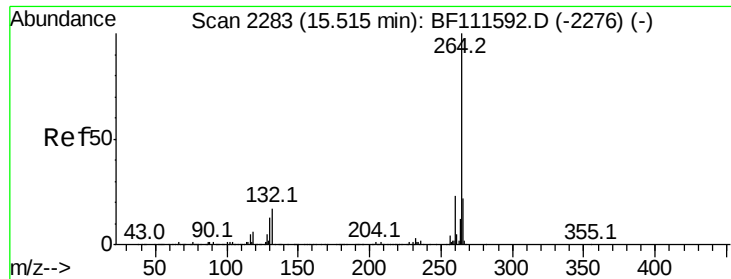


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.05 min
Lab File: BF111671.D
Acq: 21 Dec 2018 6:40

Instrument :
BNA_F
ClientSampleId :
R20-CONCRETE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.3	27.5
265	22.3	17.7	26.5

