

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
 Data File : BF089683.D
 Acq On : 9 Aug 2016 5:22
 Operator : UM/SJ
 Sample : H4345-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Aug 09 07:13:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:39:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	43176	20.00	ng	-0.02
21) Naphthalene-d8	9.45	136	187251	20.00	ng	-0.02
38) Acenaphthene-d10	12.26	164	90315	20.00	ng	-0.03
63) Phenanthrene-d10	14.66	188	159264	20.00	ng	-0.03
75) Chrysene-d12	18.37	240	102698	20.00	ng	-0.02
86) Perylene-d12	20.02	264	95506	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	312024	121.13	ng	0.01
7) Phenol-d6	6.96	99	379095	108.48	ng	-0.02
23) Nitrobenzene-d5	8.33	82	285675	84.39	ng	-0.03
41) 2,4,6-Tribromophenol	13.57	330	87530	117.44	ng	-0.02
44) 2-Fluorobiphenyl	11.23	172	541840	77.97	ng	-0.02
78) Terphenyl-d14	17.03	244	396320	76.18	ng	-0.02

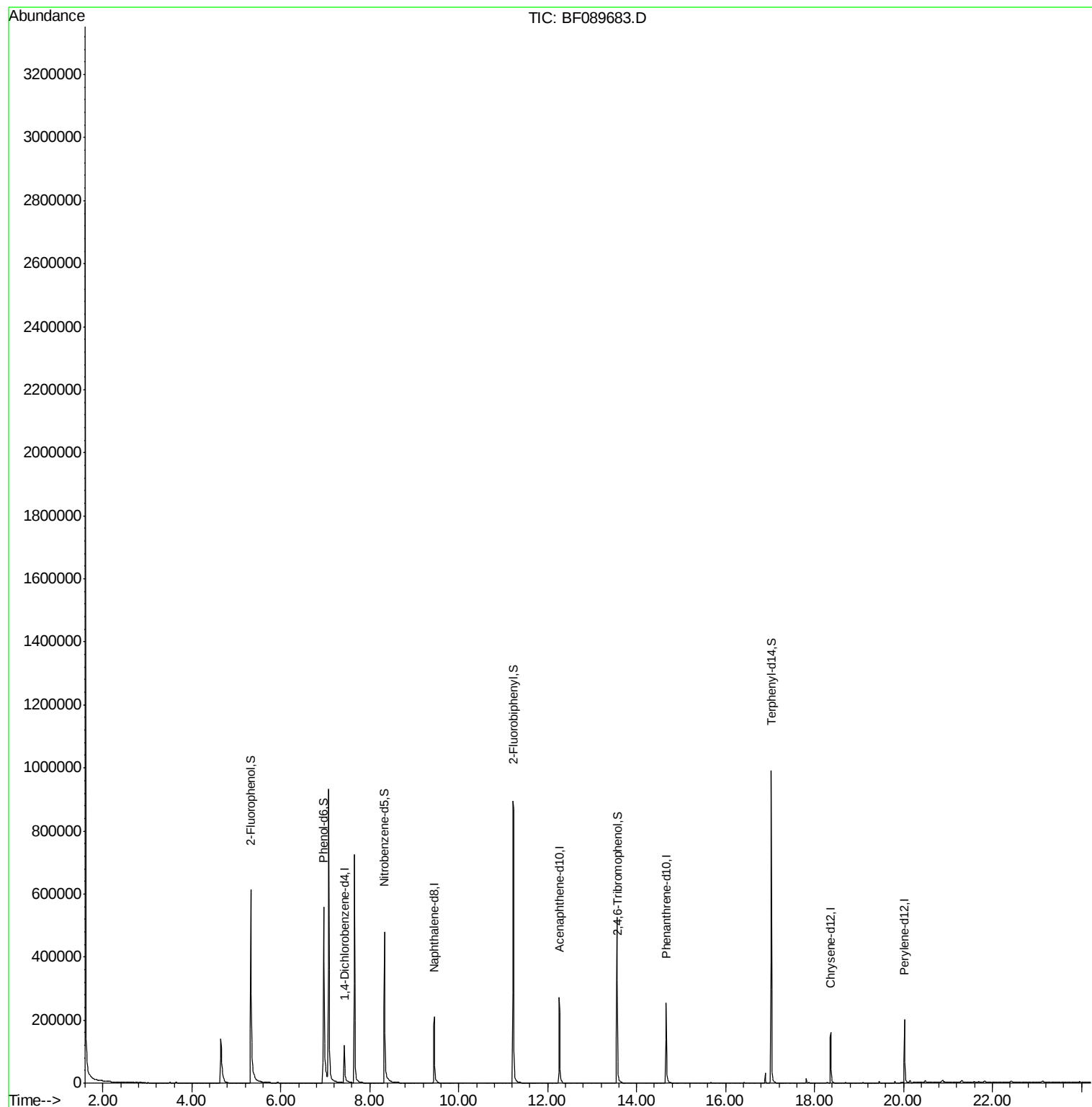
Target Compounds	Qvalue
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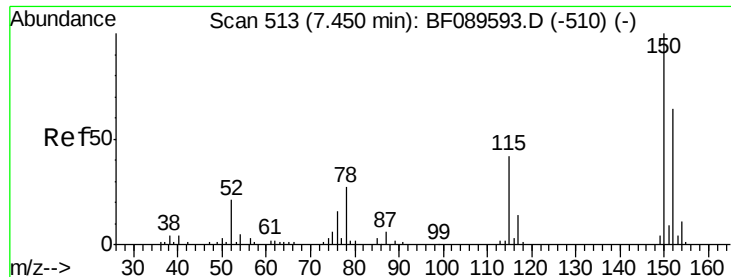
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.02 min

Lab File: BF089683.D

Acq: 9 Aug 2016 5:22

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

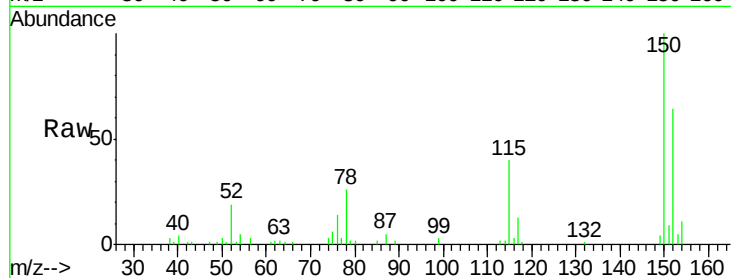
Tgt Ion:152 Resp: 43176

Ion Ratio Lower Upper

152 100

150 156.2 125.5 188.3

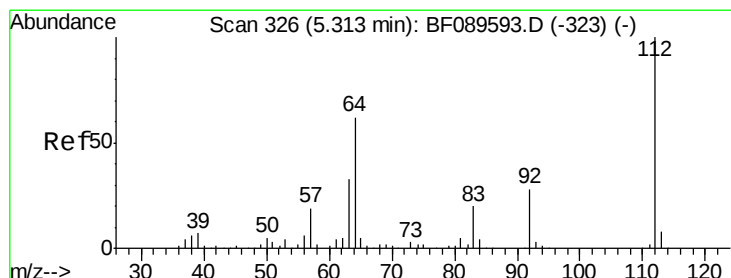
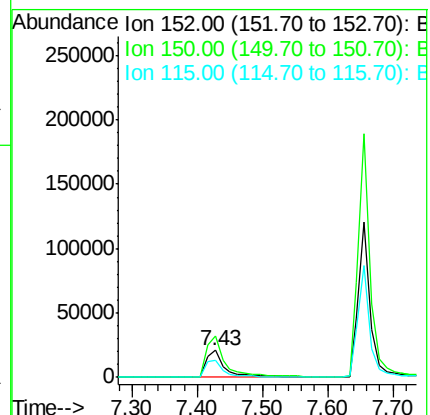
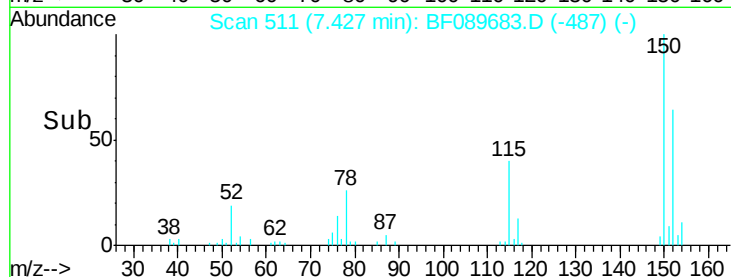
115 62.9 52.0 78.0



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: 121.13 ng

RT: 5.32 min Scan# 327

Delta R.T. 0.01 min

Lab File: BF089683.D

Acq: 9 Aug 2016 5:22

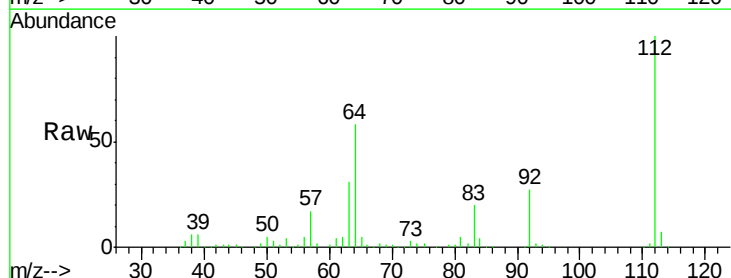
Tgt Ion:112 Resp: 312024

Ion Ratio Lower Upper

112 100

64 57.8 49.9 74.9

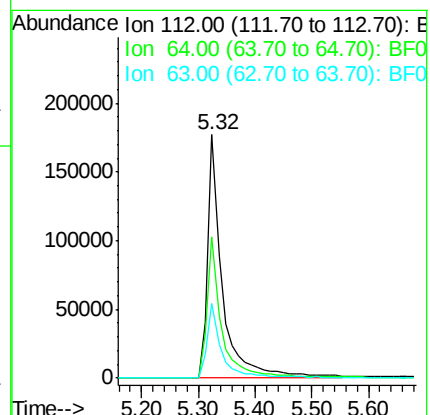
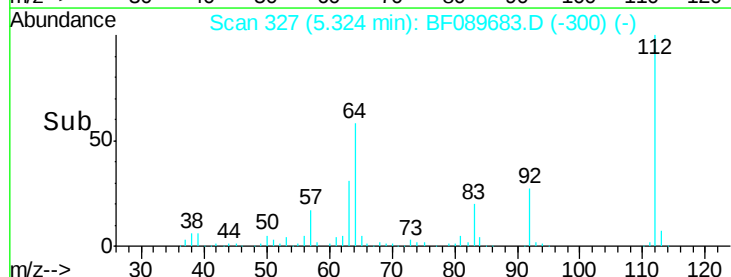
63 30.6 26.1 39.1

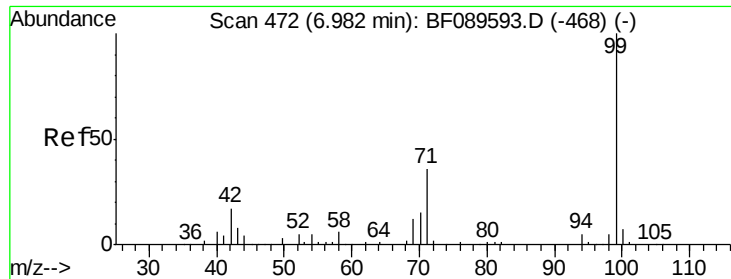


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.48 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF089683.D

Acq: 9 Aug 2016 5:22

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

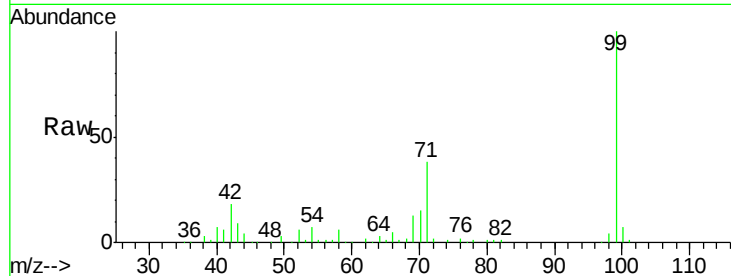
Tgt Ion: 99 Resp: 379095

Ion Ratio Lower Upper

99 100

42 18.0 13.7 20.5

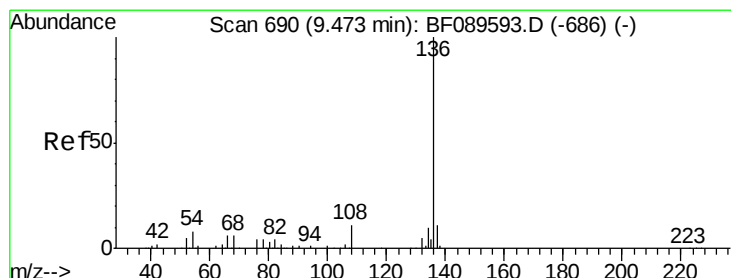
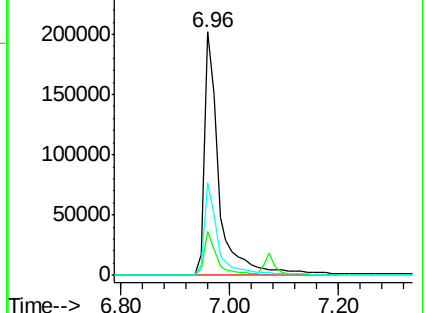
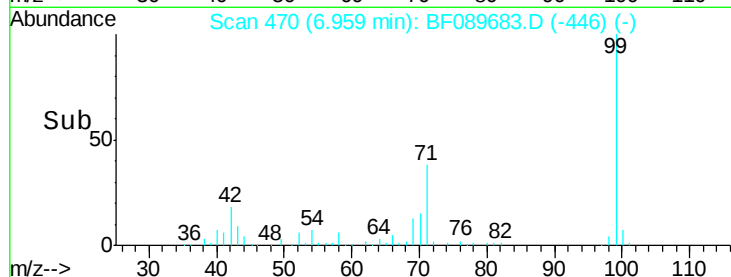
71 37.9 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.02 min

Lab File: BF089683.D

Acq: 9 Aug 2016 5:22

Tgt Ion: 136 Resp: 187251

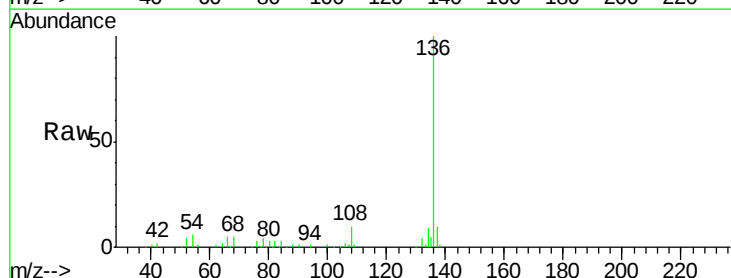
Ion Ratio Lower Upper

136 100

137 10.0 8.6 12.8

54 6.5 6.0 9.0

68 5.2 4.6 6.8

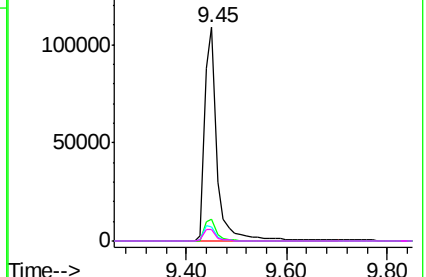
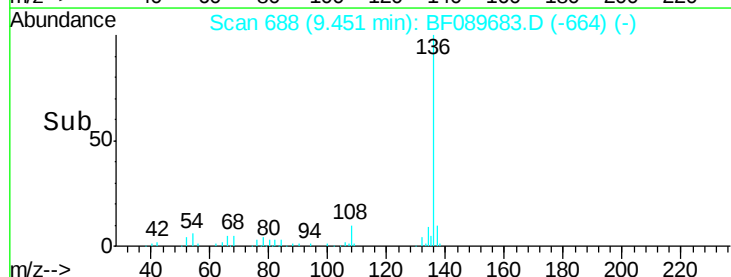


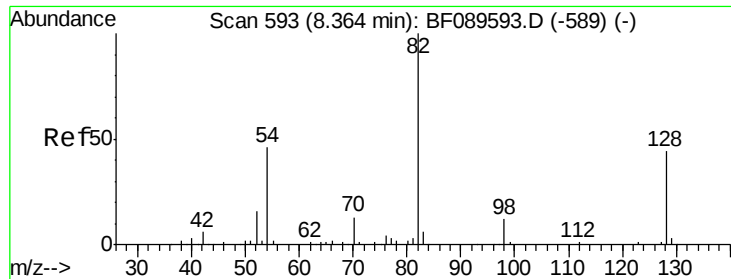
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

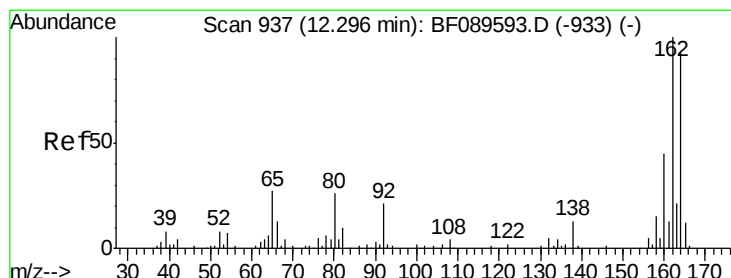
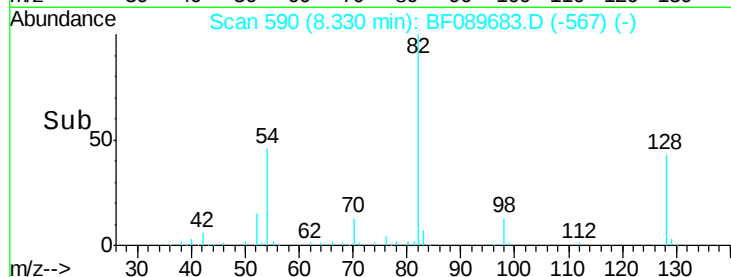
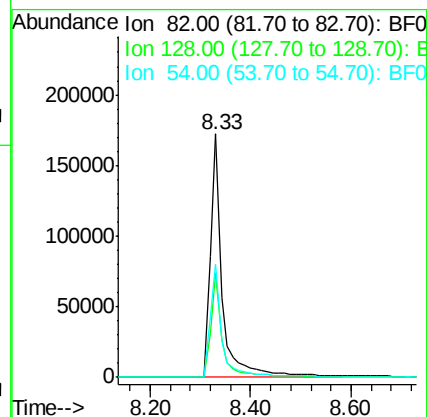
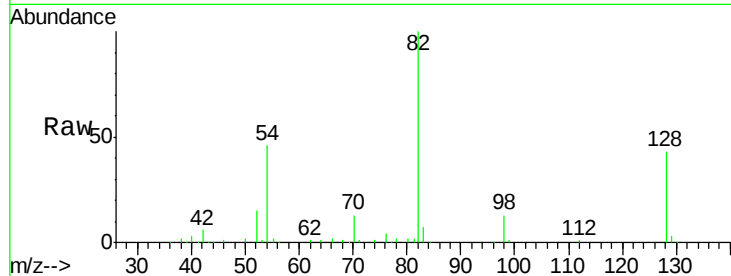




#23
 Nitrobenzene-d5
 Concen: 84.39 ng
 RT: 8.33 min Scan# 590
 Delta R.T. -0.03 min
 Lab File: BF089683.D
 Acq: 9 Aug 2016 5:22

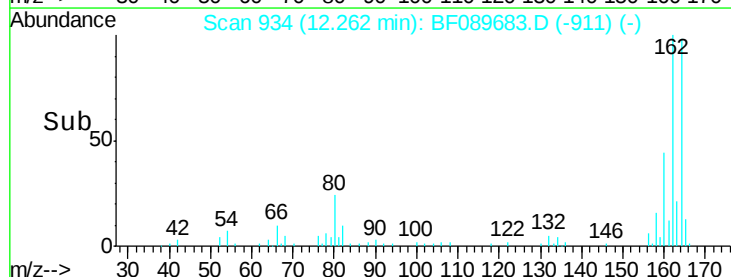
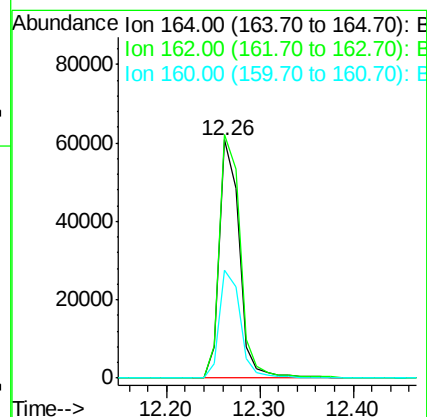
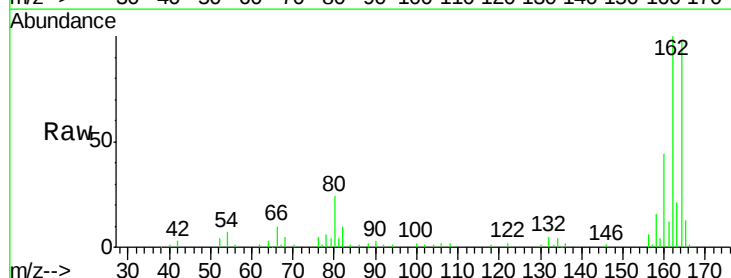
Instrument :
 BNA_F
 ClientSampleId :
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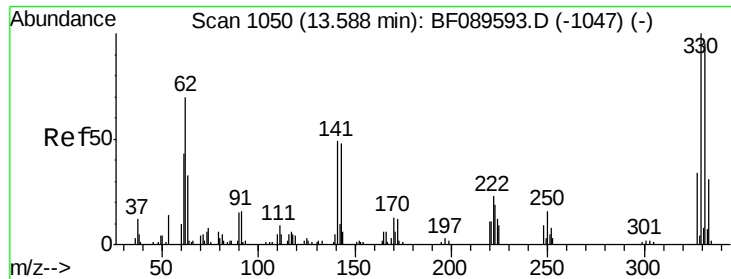
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.6	35.4	53.0
54	46.4	36.4	54.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.26 min Scan# 934
 Delta R.T. -0.03 min
 Lab File: BF089683.D
 Acq: 9 Aug 2016 5:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	85.7	128.5
160	45.3	38.2	57.4

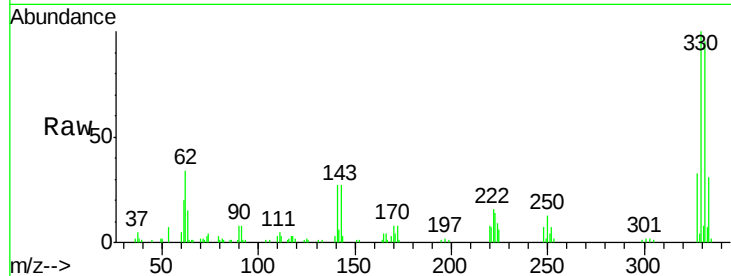




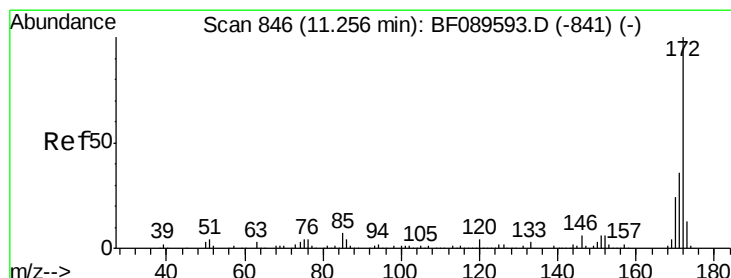
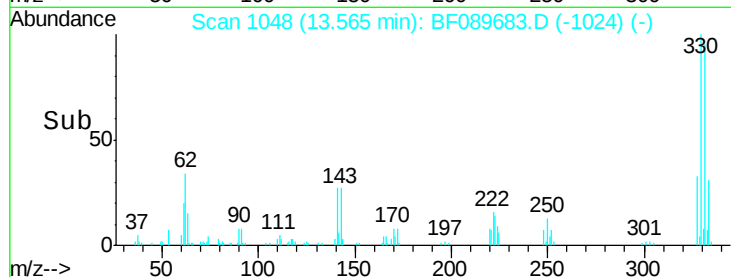
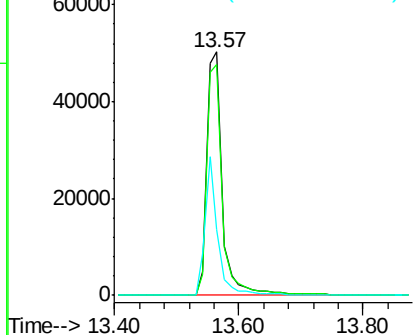
#41
 2,4,6-Tribromophenol
 Concen: 117.44 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF089683.D
 Acq: 9 Aug 2016 5:22

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Tgt Ion: 330 Resp: 87530
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 46.3 38.6 57.8

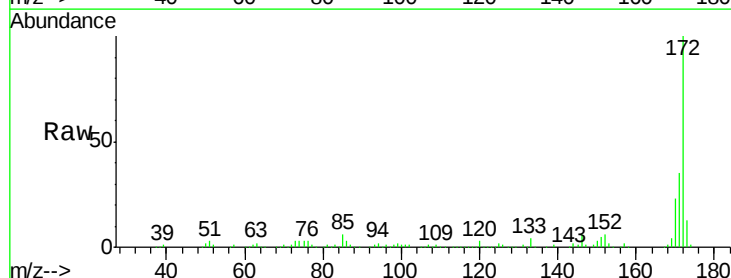


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

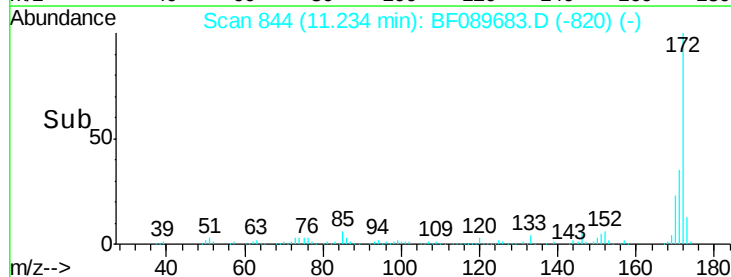
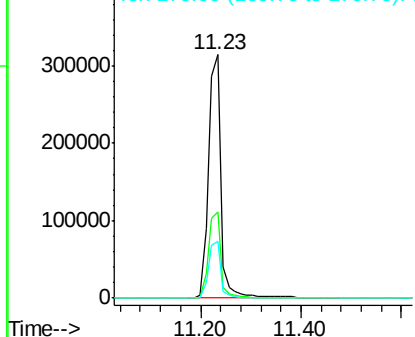


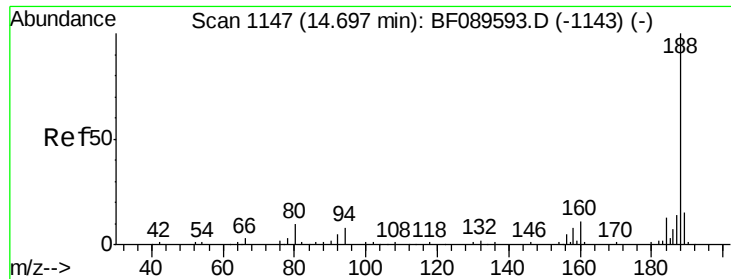
#44
 2-Fluorobiphenyl
 Concen: 77.97 ng
 RT: 11.23 min Scan# 844
 Delta R.T. -0.02 min
 Lab File: BF089683.D
 Acq: 9 Aug 2016 5:22

Tgt Ion: 172 Resp: 541840
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.9 43.3
 170 23.2 19.0 28.6



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

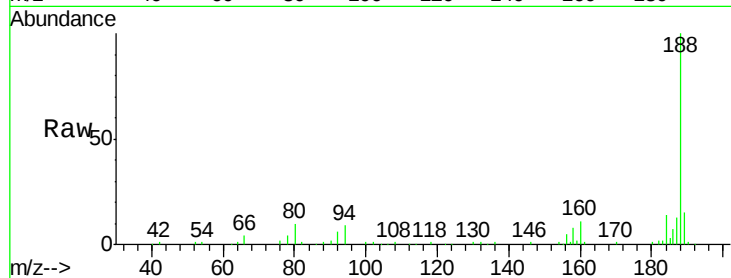




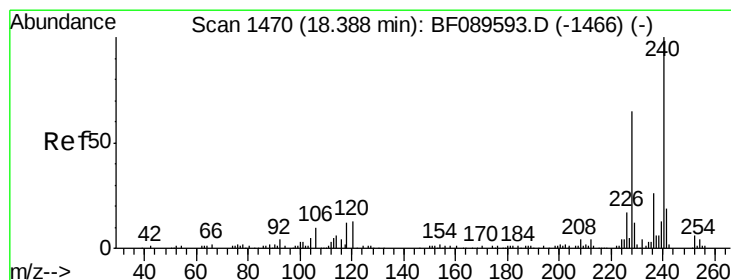
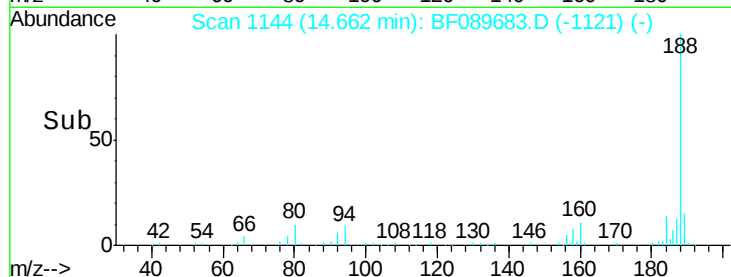
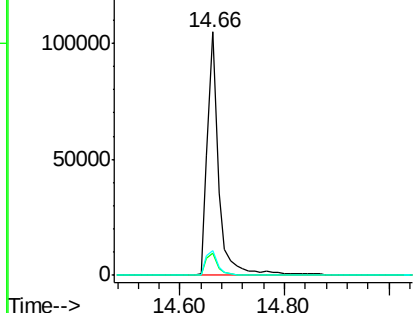
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.66 min Scan# 1144
Delta R.T. -0.03 min
Lab File: BF089683.D
Acq: 9 Aug 2016 5:22

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

Tgt Ion:188 Resp: 159264
Ion Ratio Lower Upper
188 100
94 9.3 6.5 9.7
80 10.3 8.0 12.0

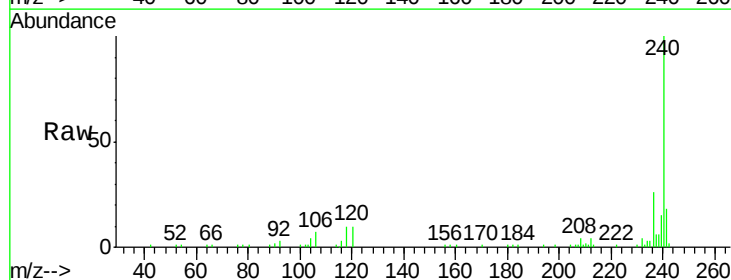


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

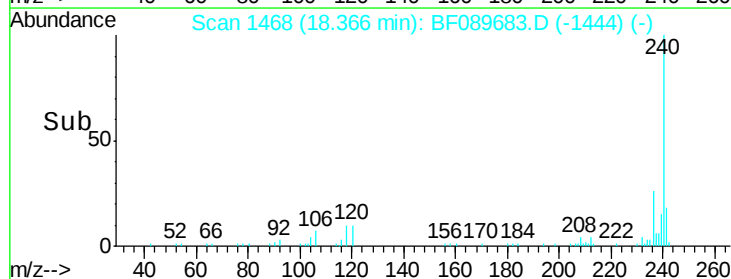
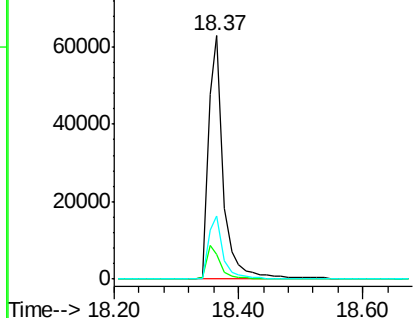


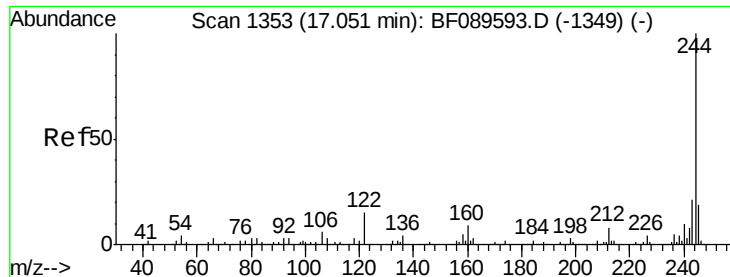
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.37 min Scan# 1468
Delta R.T. -0.02 min
Lab File: BF089683.D
Acq: 9 Aug 2016 5:22

Tgt Ion:240 Resp: 102698
Ion Ratio Lower Upper
240 100
120 10.2 10.6 15.8#
236 25.7 20.6 30.8



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

Terphenyl-d14

Concen: 76.18 ng

RT: 17.03 min Scan# 1351

Delta R.T. -0.02 min

Lab File: BF089683.D

Acq: 9 Aug 2016 5:22

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

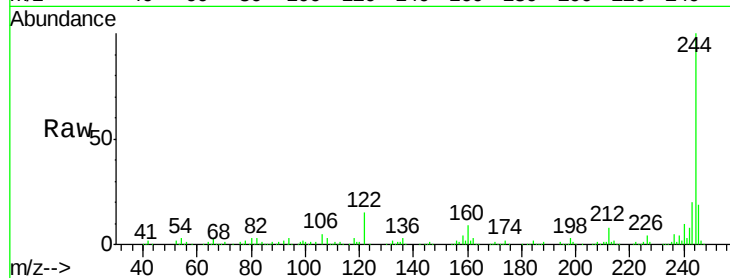
Tgt Ion:244 Resp: 396320

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

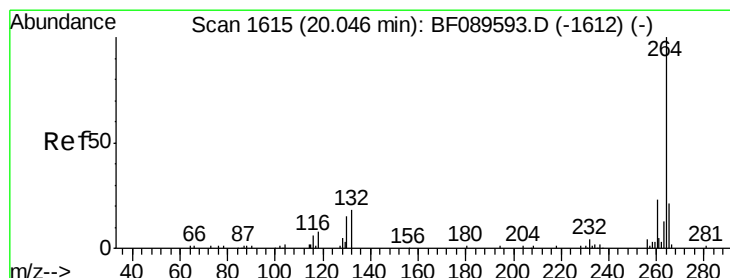
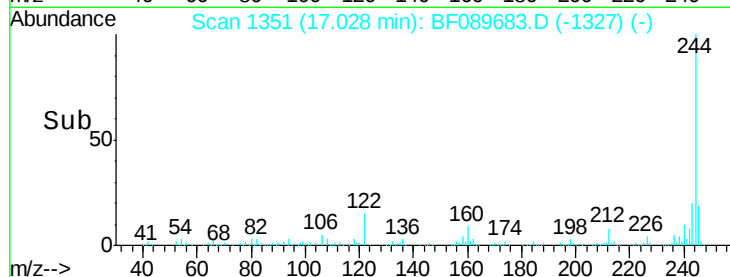
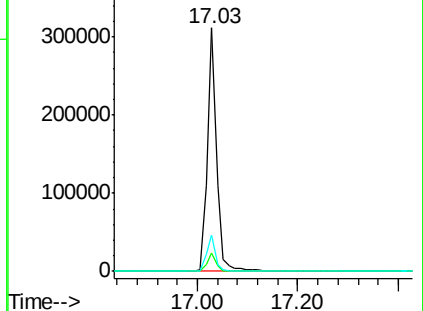
122 14.8 12.2 18.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.02 min Scan# 1613

Delta R.T. -0.02 min

Lab File: BF089683.D

Acq: 9 Aug 2016 5:22

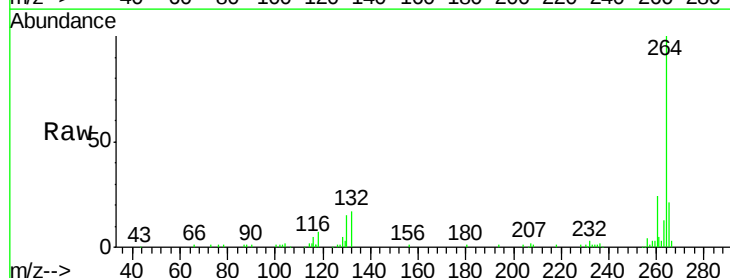
Tgt Ion:264 Resp: 95506

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 21.4 16.5 24.7



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

