

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112916\
 Data File : BF091331.D
 Acq On : 29 Nov 2016 17:13
 Operator : UM/SJ
 Sample : H5696-02
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Nov 29 18:13:55 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

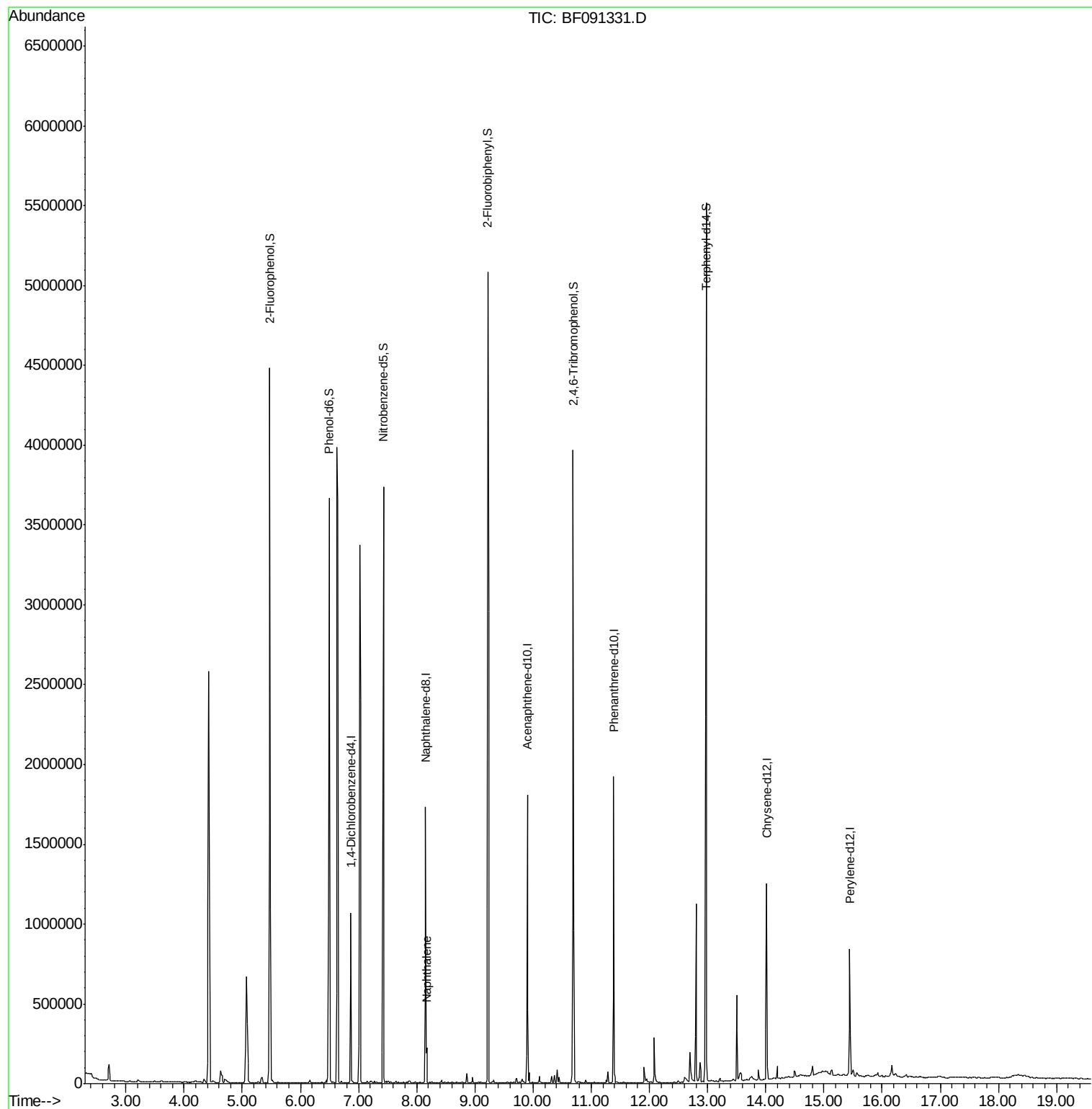
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	195472	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	776222	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	406405	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	708493	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	418262	20.00	ng	-0.03
86) Perylene-d12	15.44	264	360661	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1280497	107.02	ng	0.00
7) Phenol-d6	6.49	99	1702309	115.57	ng	0.00
23) Nitrobenzene-d5	7.43	82	1265435	91.36	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	522187	135.72	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	2161222	96.29	ng	-0.02
78) Terphenyl-d14	12.97	244	1861640	96.74	ng	-0.02
Target Compounds						
31) Naphthalene	8.17	128	122915	3.33	ng	Qvalue 98

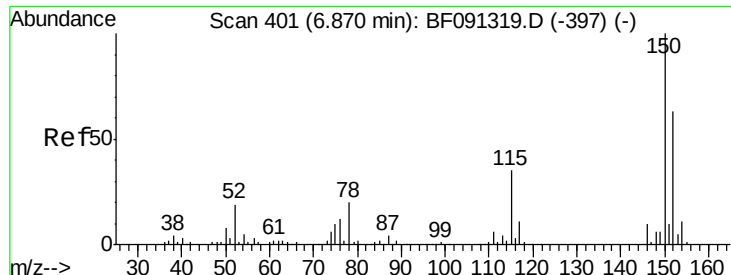
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

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BNA_F

ClientSampleId :

SOIL-CUTTINGS

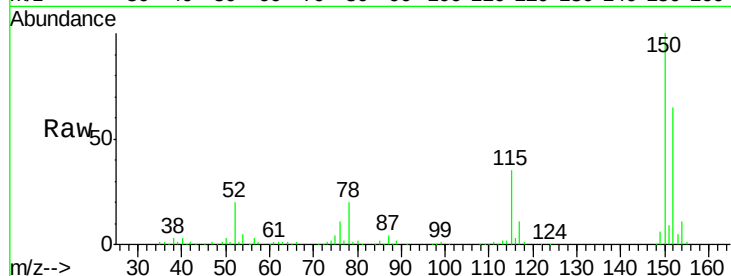
Tgt Ion:152 Resp: 195472

Ion Ratio Lower Upper

152 100

150 154.6 122.5 183.7

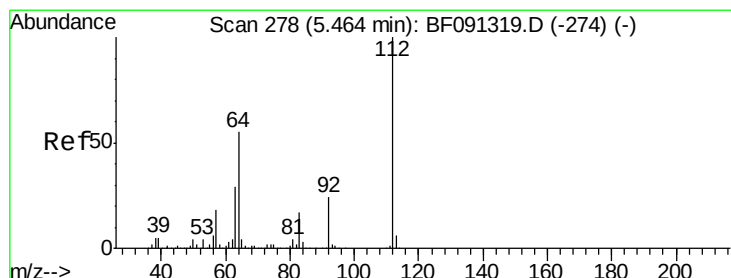
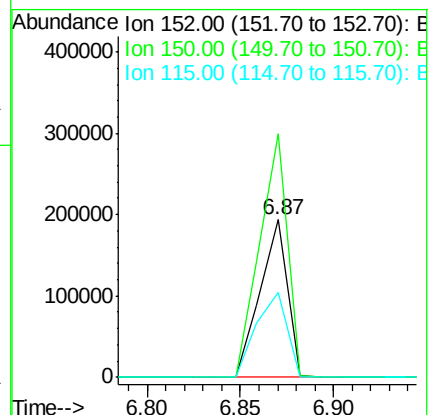
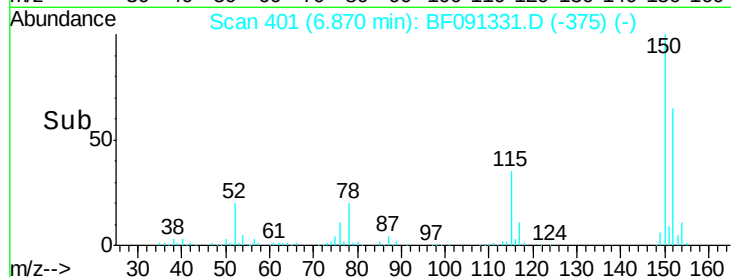
115 53.7 51.8 77.8



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: 107.02 ng

RT: 5.48 min Scan# 279

Delta R.T. 0.01 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

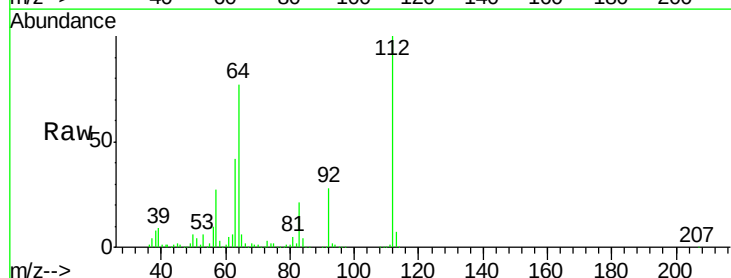
Tgt Ion:112 Resp: 1280497

Ion Ratio Lower Upper

112 100

64 77.1 61.5 92.3

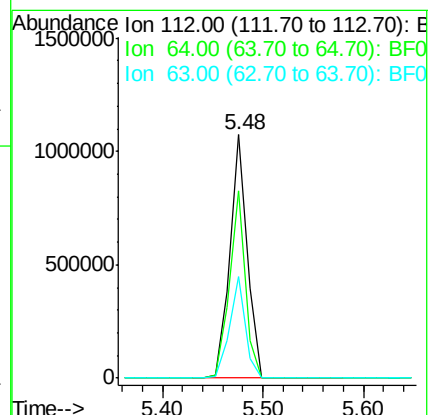
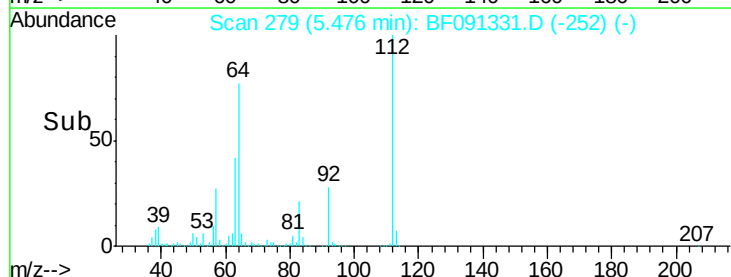
63 41.6 33.3 49.9

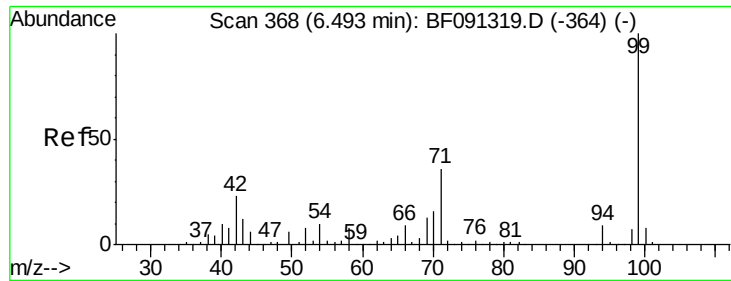


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.57 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

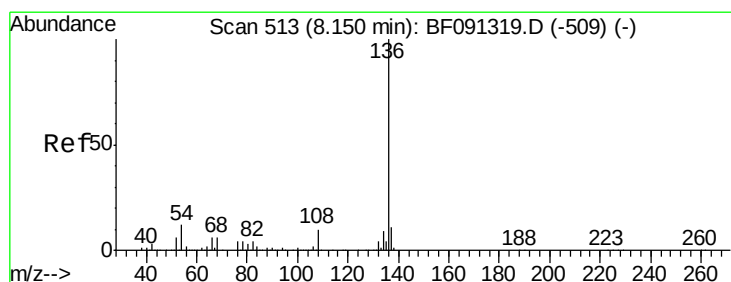
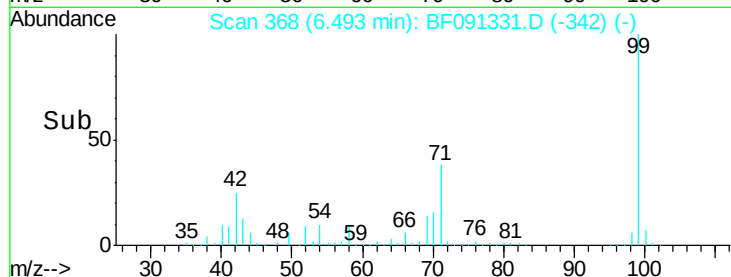
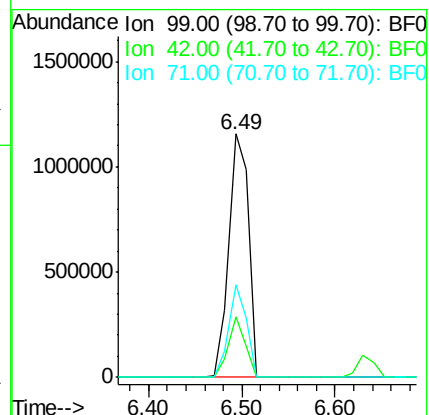
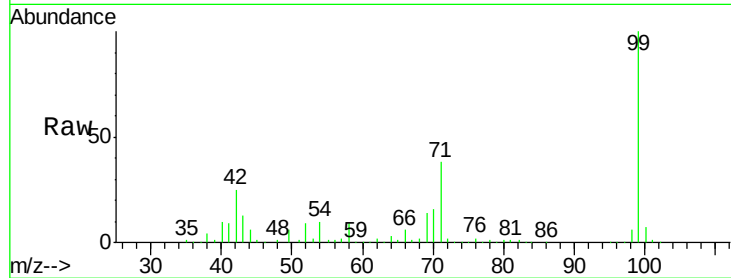
Tgt Ion: 99 Resp: 1702309

Ion Ratio Lower Upper

99 100

42 25.1 20.6 31.0

71 38.0 29.9 44.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

Tgt Ion: 136 Resp: 776222

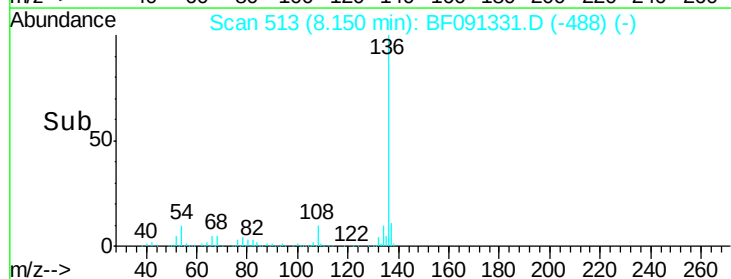
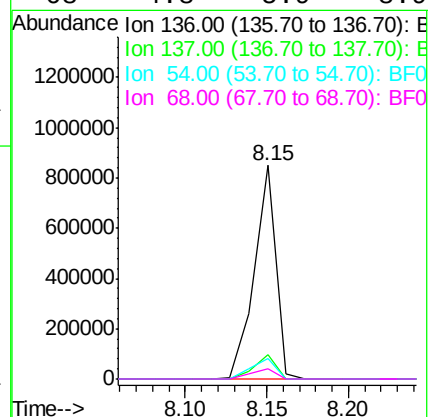
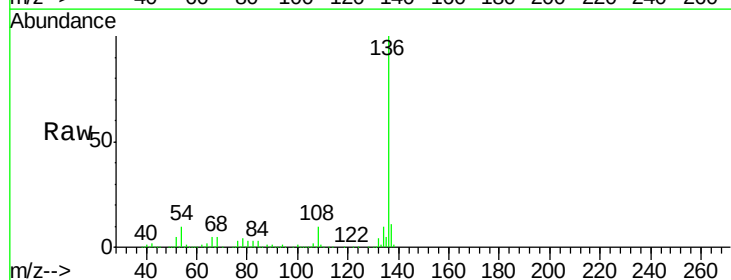
Ion Ratio Lower Upper

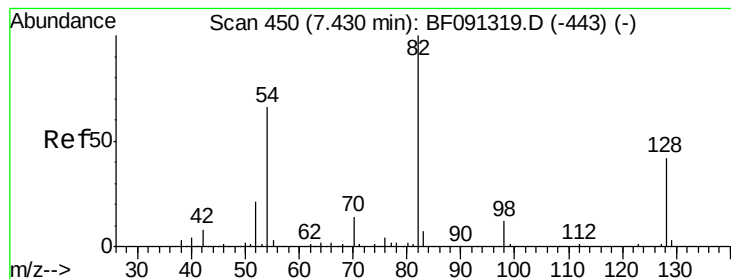
136 100

137 11.1 9.1 13.7

54 9.7 9.1 13.7

68 4.8 5.9 8.9#





#23

Nitrobenzene-d5

Concen: 91.36 ng

RT: 7.43 min Scan# 450

Delta R.T. -0.02 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

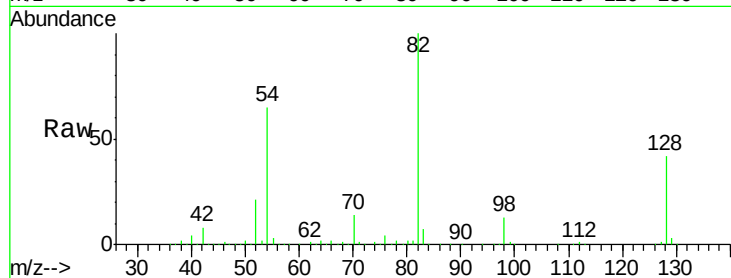
Tgt Ion: 82 Resp: 1265435

Ion Ratio Lower Upper

82 100

128 42.2 31.8 47.6

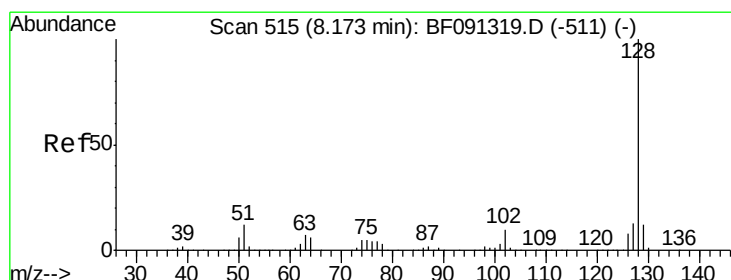
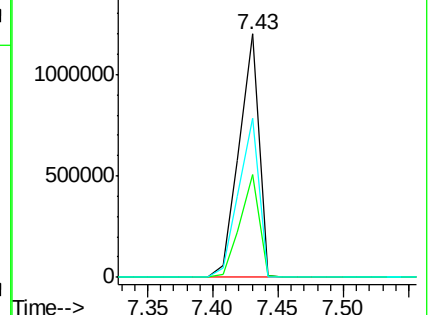
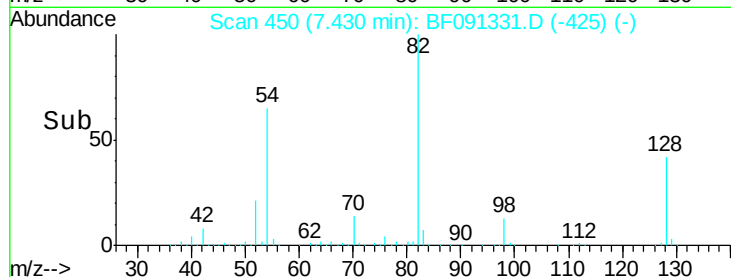
54 65.2 49.1 73.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 3.33 ng

RT: 8.17 min Scan# 515

Delta R.T. -0.02 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

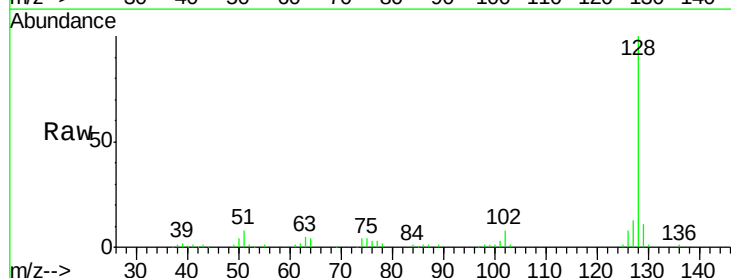
Tgt Ion: 128 Resp: 122915

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

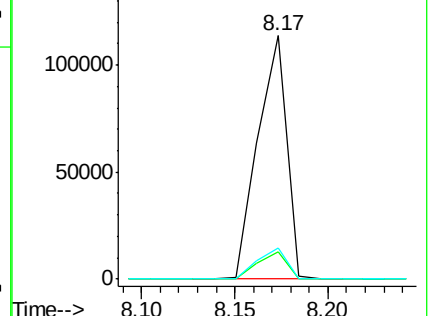
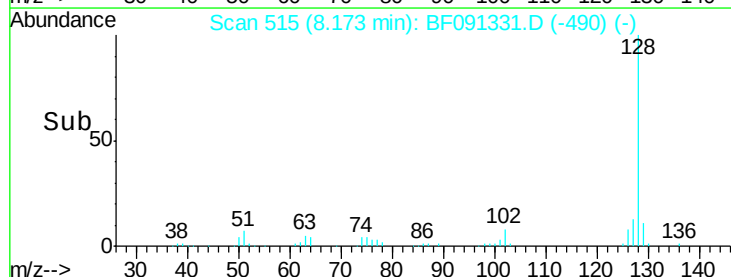
127 12.7 11.0 16.4

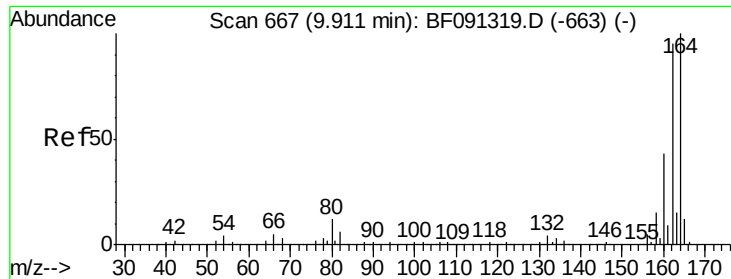


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

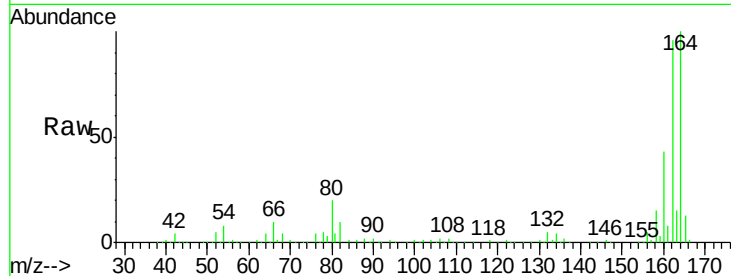




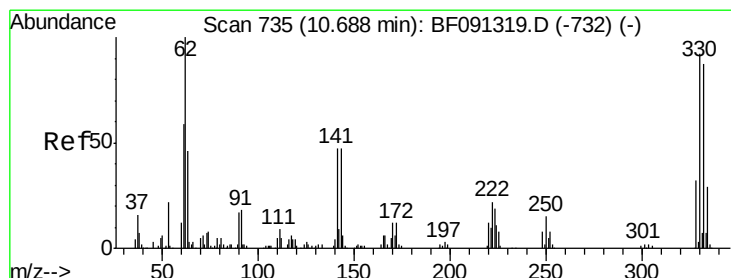
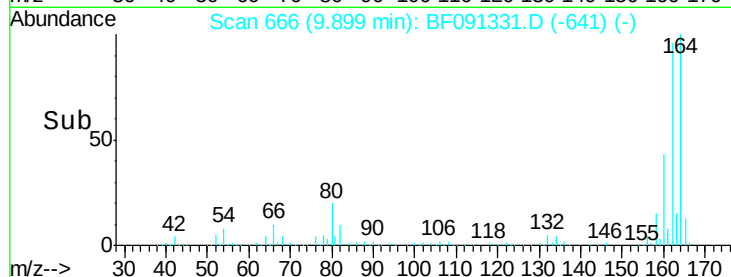
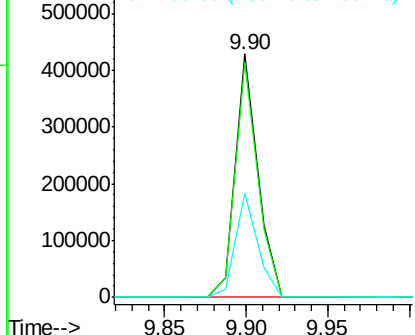
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: BF091331.D
 Acq: 29 Nov 2016 17:13

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Tgt Ion:164 Resp: 406405
 Ion Ratio Lower Upper
 164 100
 162 96.4 82.6 124.0
 160 43.0 36.7 55.1

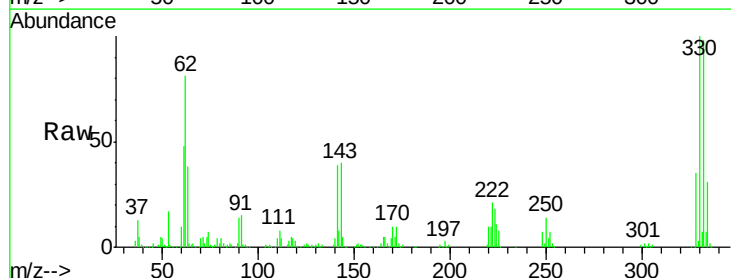


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

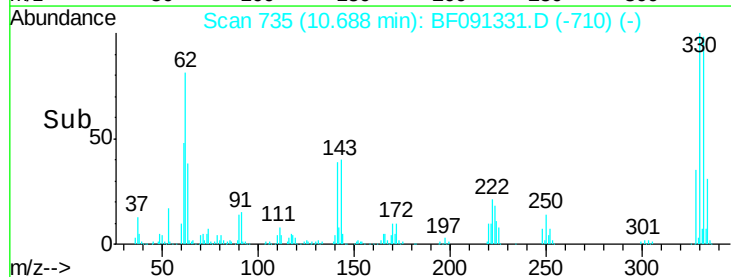
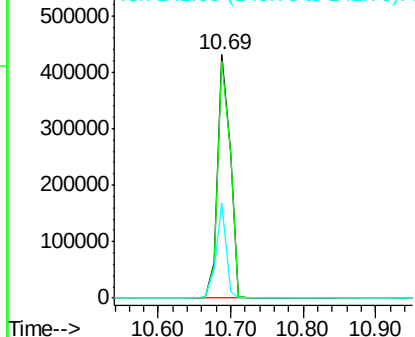


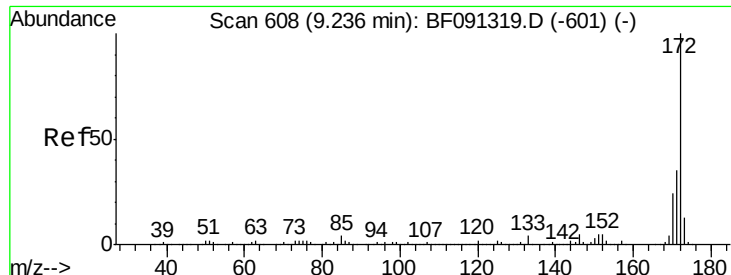
#41
 2,4,6-Tribromophenol
 Concen: 135.72 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF091331.D
 Acq: 29 Nov 2016 17:13

Tgt Ion:330 Resp: 522187
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.2 114.4
 141 30.8 33.6 50.4#



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

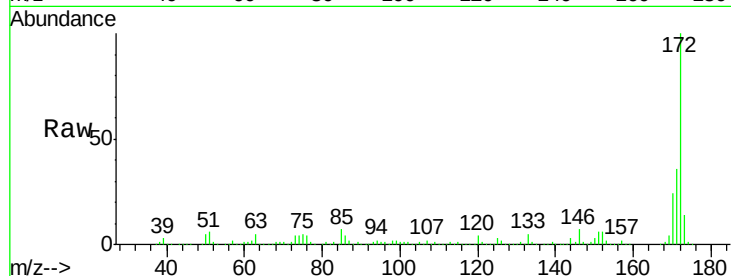




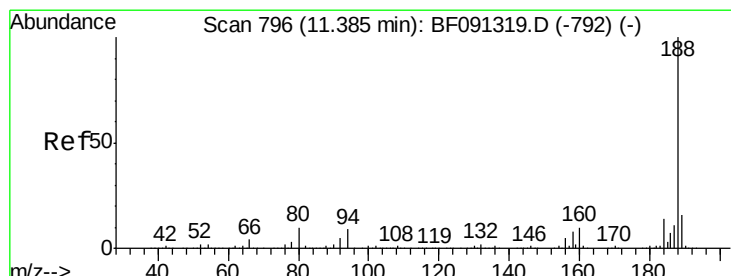
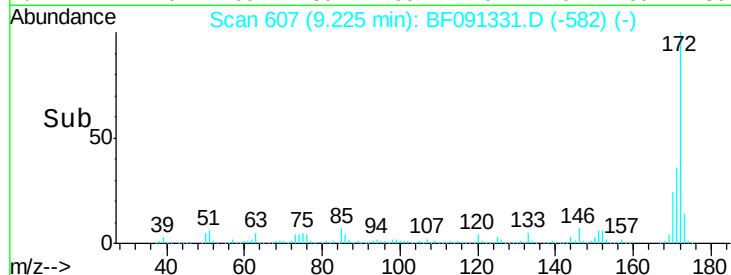
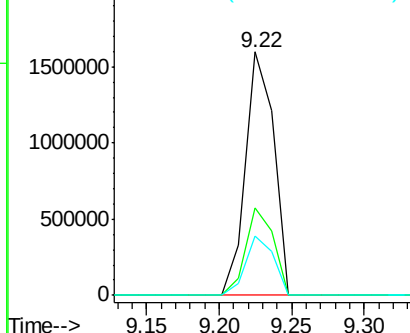
#44
 2-Fluorobiphenyl
 Concen: 96.29 ng
 RT: 9.22 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF091331.D
 Acq: 29 Nov 2016 17:13

Instrument :
 BNA_F
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 SOIL-CUTTINGS

Tgt Ion:172 Resp: 2161222
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.2 19.7 29.5

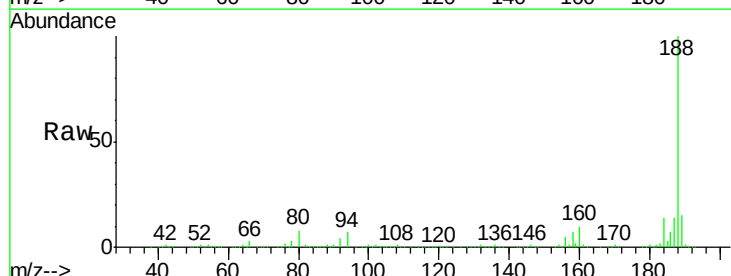


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

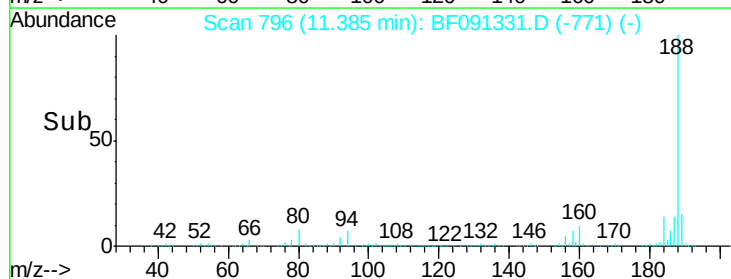
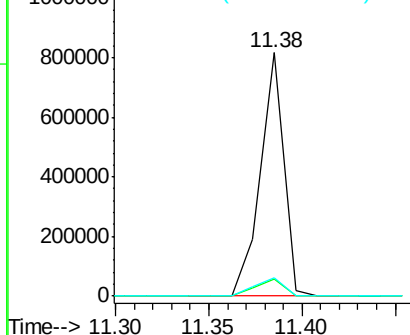


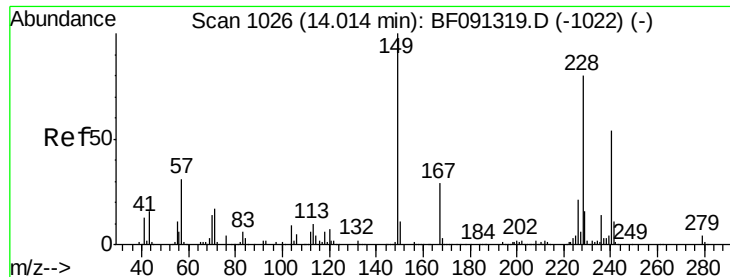
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF091331.D
 Acq: 29 Nov 2016 17:13

Tgt Ion:188 Resp: 708493
 Ion Ratio Lower Upper
 188 100
 94 7.1 9.2 13.8#
 80 7.5 10.5 15.7#



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: 14.01 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

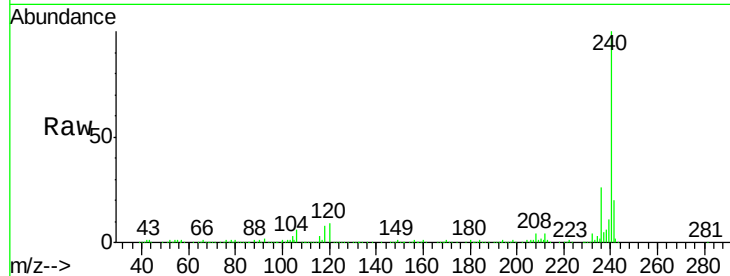
Tgt Ion:240 Resp: 418262

Ion Ratio Lower Upper

240 100

120 8.9 12.1 18.1#

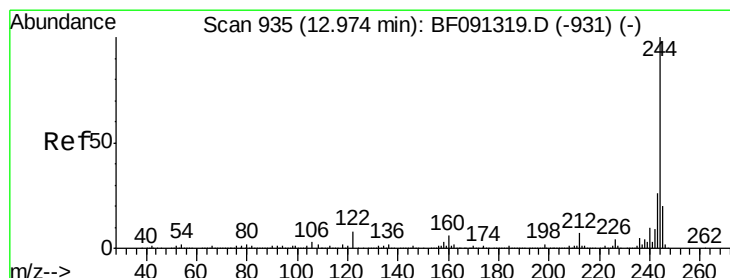
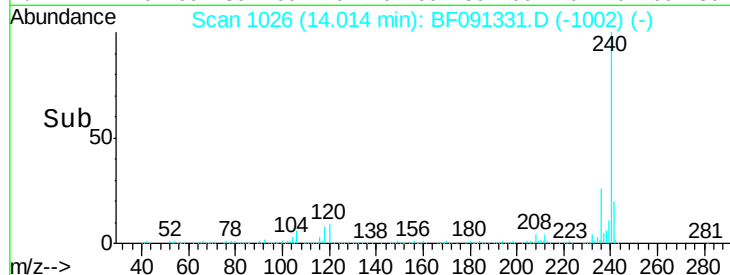
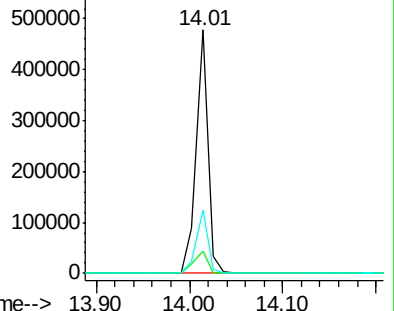
236 25.7 21.0 31.6



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: 96.74 ng

RT: 12.97 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

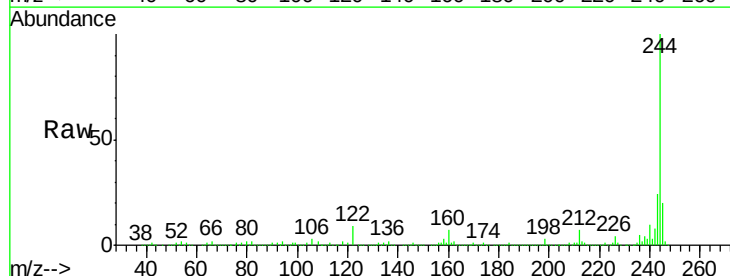
Tgt Ion:244 Resp: 1861640

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

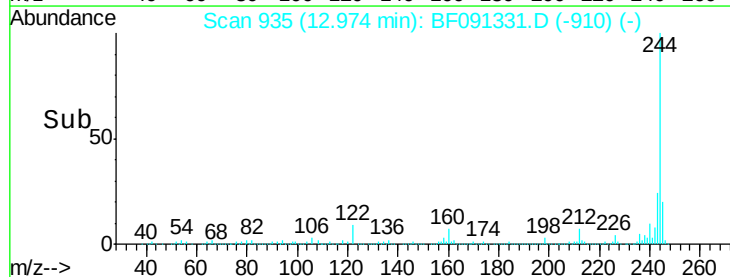
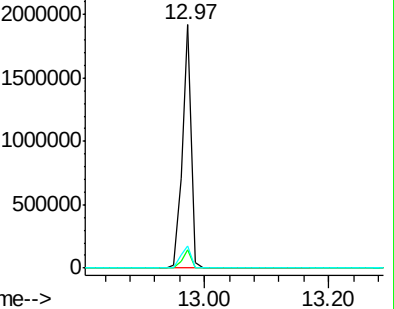
122 9.1 9.5 14.3#

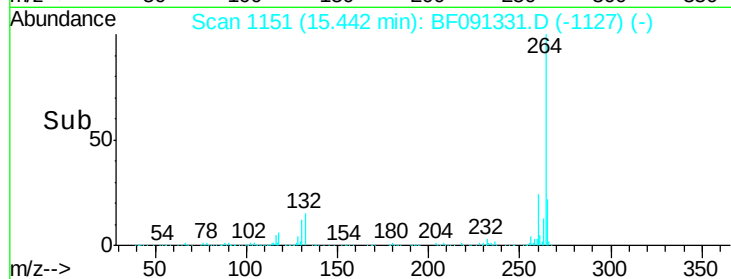
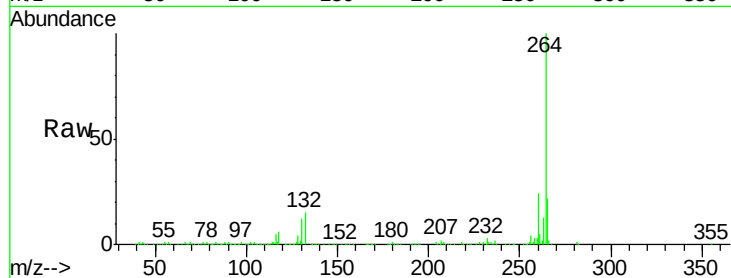
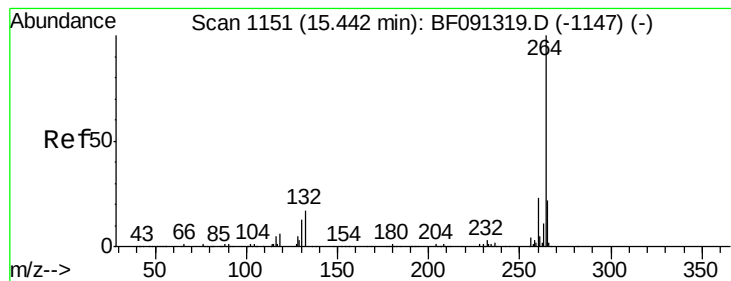


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.44 min Scan# 1151

Delta R.T. -0.03 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 264 Resp: 360661

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 22.5 17.0 25.6

