

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051916\
 Data File : BF087210.D
 Acq On : 20 May 2016 4:13
 Operator : UM/SJ
 Sample : H3136-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: May 20 07:40:39 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

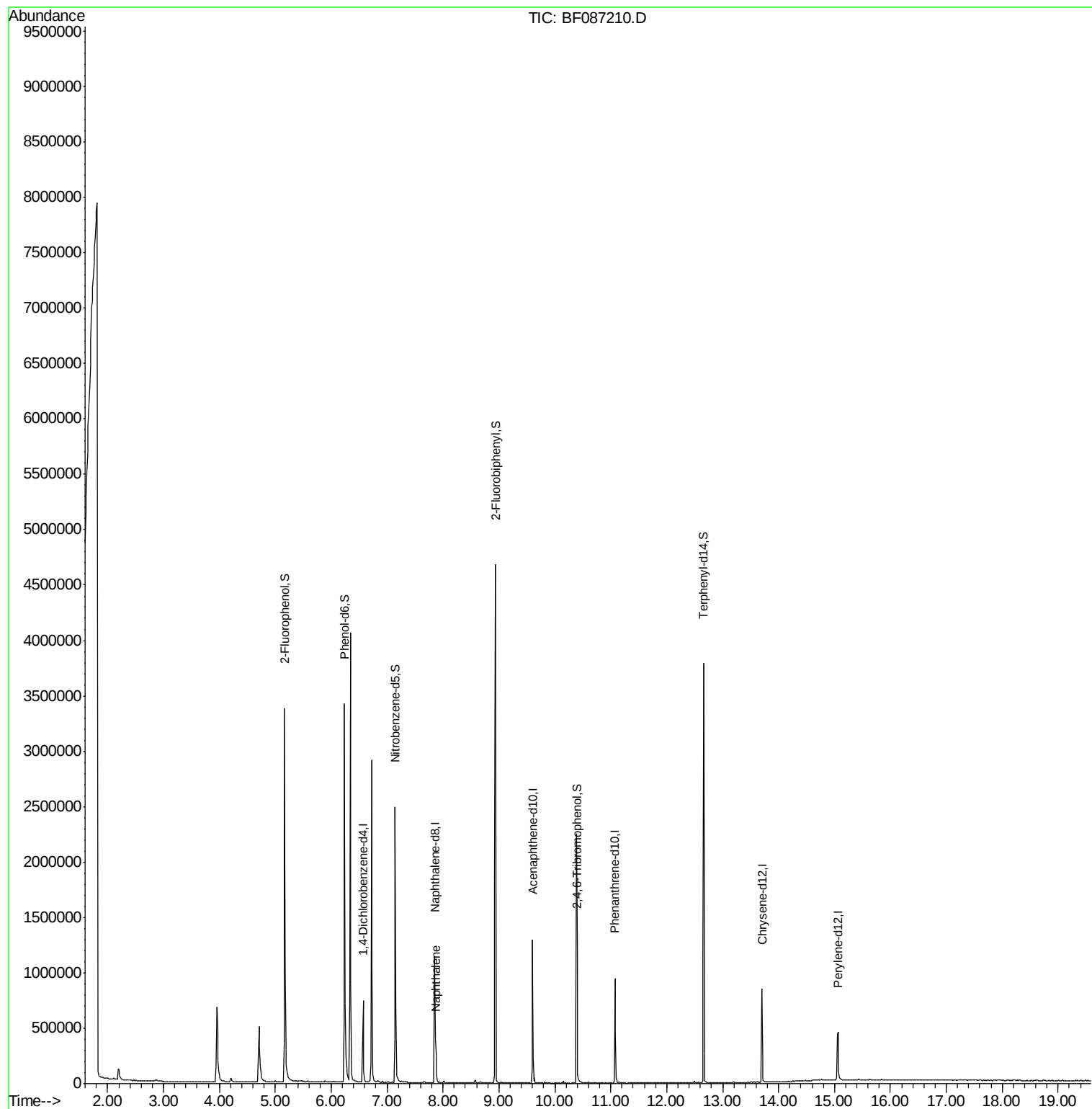
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	123895	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	503313	20.00	ng	-0.05
38) Acenaphthene-d10	9.60	164	230272	20.00	ng	-0.05
63) Phenanthrene-d10	11.07	188	386897	20.00	ng	-0.05
75) Chrysene-d12	13.70	240	282636	20.00	ng	-0.06
86) Perylene-d12	15.06	264	238220	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	907157	123.07	ng	-0.03
7) Phenol-d6	6.24	99	1088494	110.10	ng	-0.05
23) Nitrobenzene-d5	7.14	82	812664	80.47	ng	-0.05
41) 2,4,6-Tribromophenol	10.40	330	324009	127.33	ng	-0.05
44) 2-Fluorobiphenyl	8.94	172	1433950	103.13	ng	-0.05
78) Terphenyl-d14	12.66	244	1100586	88.09	ng	-0.05
Target Compounds						
31) Naphthalene	7.87	128	99539	4.05	ng	Qvalue 99

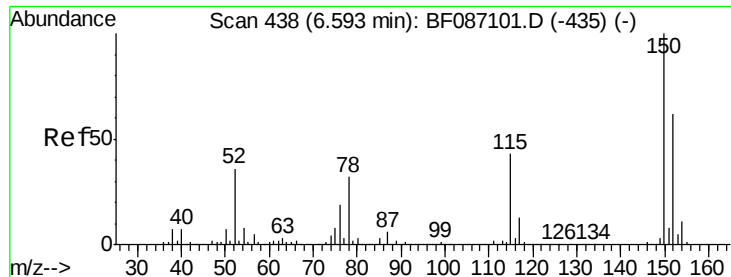
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF087210.D

Acq: 20 May 2016 4:13

Instrument :

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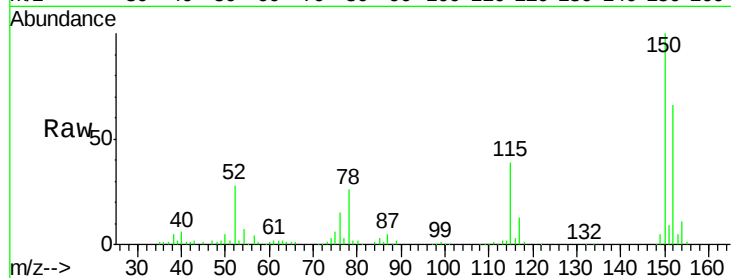
Tgt Ion:152 Resp: 123895

Ion Ratio Lower Upper

152 100

150 151.2 125.8 188.6

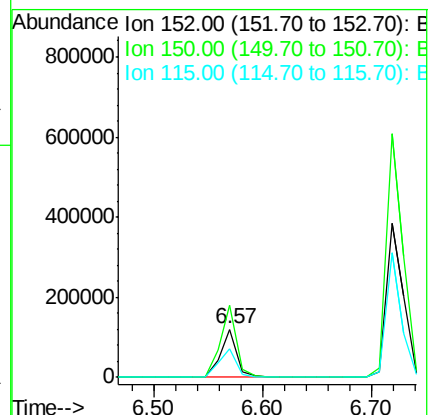
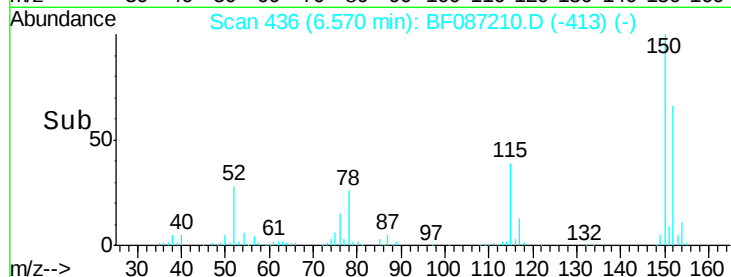
115 59.7 51.5 77.3



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: 123.07 ng

RT: 5.16 min Scan# 313

Delta R.T. -0.03 min

Lab File: BF087210.D

Acq: 20 May 2016 4:13

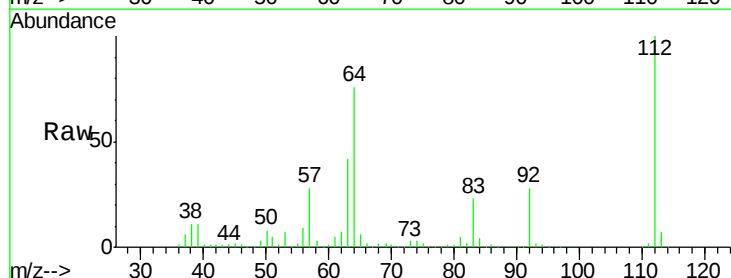
Tgt Ion:112 Resp: 907157

Ion Ratio Lower Upper

112 100

64 76.0 52.1 78.1

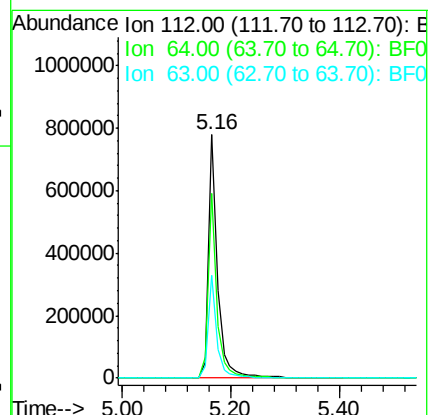
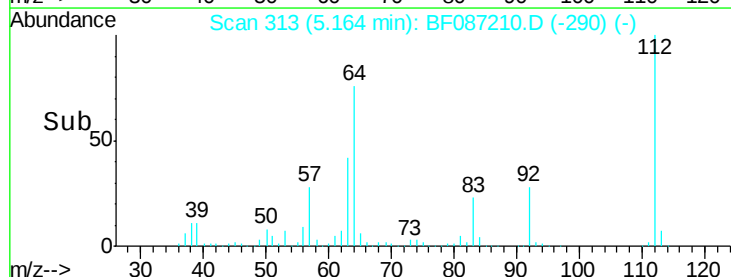
63 42.1 25.7 38.5#



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: 110.10 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087210.D

Acq: 20 May 2016 4:13

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

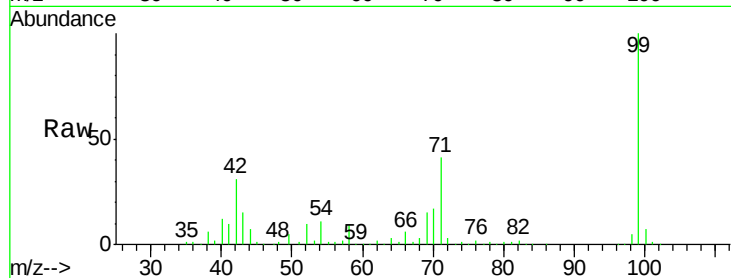
Tgt Ion: 99 Resp: 1088494

Ion Ratio Lower Upper

99 100

42 30.9 13.6 20.4#

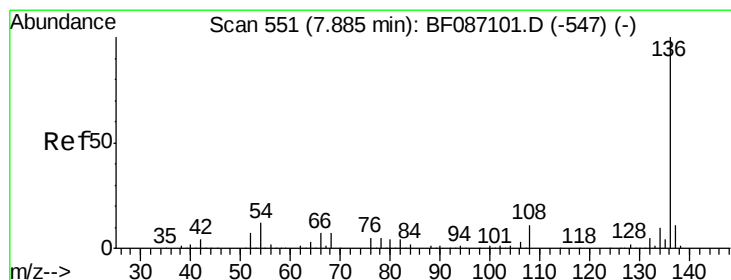
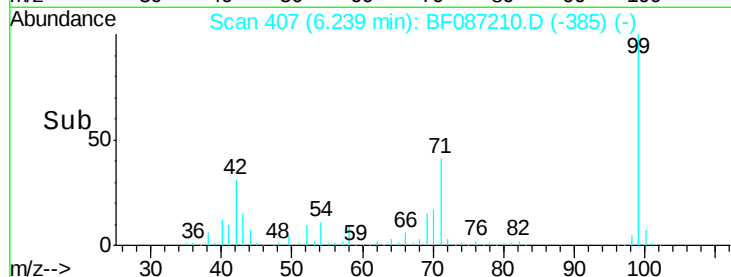
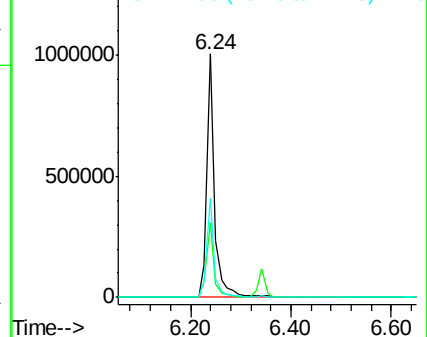
71 40.6 24.6 36.8#



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: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF087210.D

Acq: 20 May 2016 4:13

Tgt Ion: 136 Resp: 503313

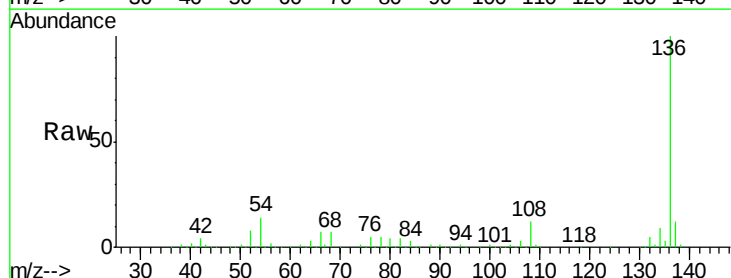
Ion Ratio Lower Upper

136 100

137 11.6 8.8 13.2

54 13.8 5.0 7.4#

68 7.2 4.4 6.6#

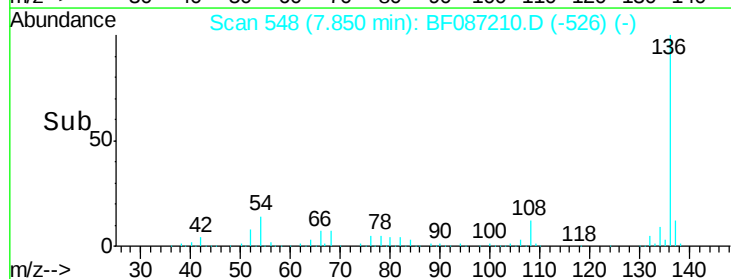
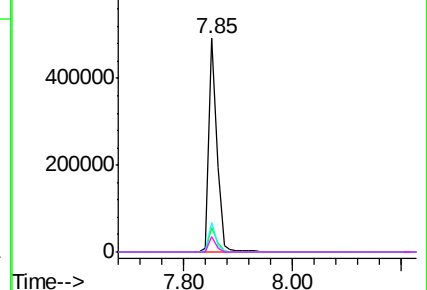


Abundance Ion 136.00 (135.70 to 136.70): E

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

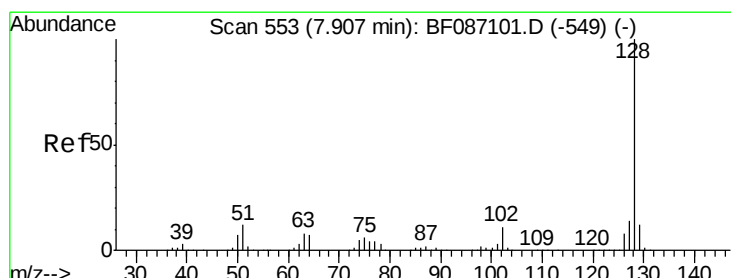
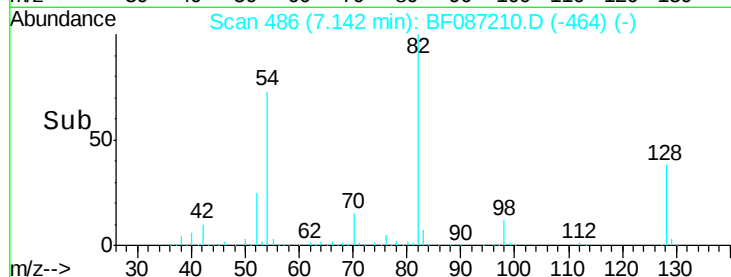
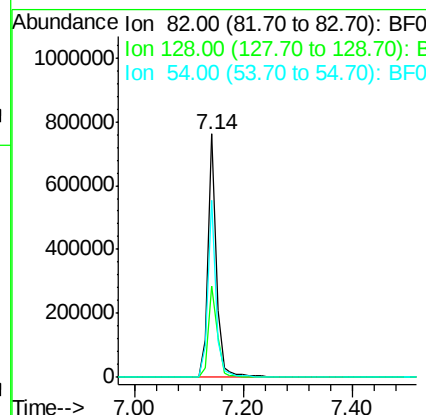
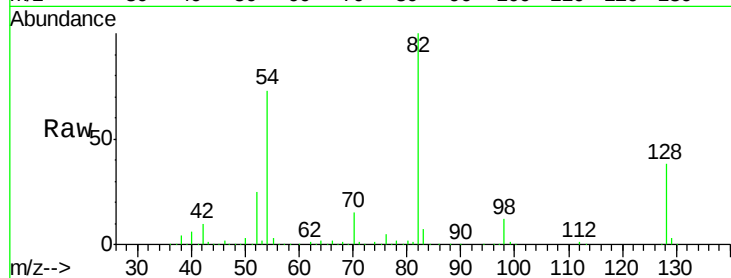




#23
 Nitrobenzene-d5
 Concen: 80.47 ng
 RT: 7.14 min Scan# 486
 Delta R.T. -0.05 min
 Lab File: BF087210.D
 Acq: 20 May 2016 4:13

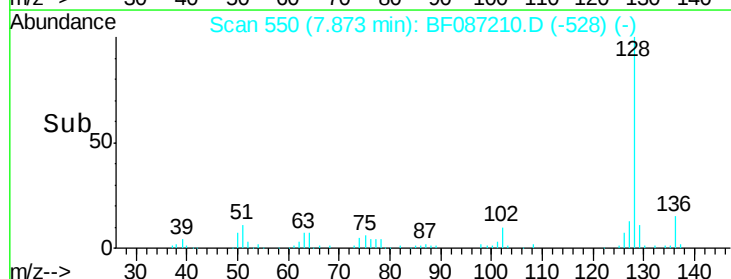
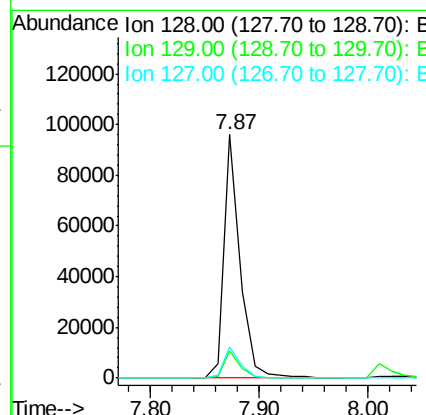
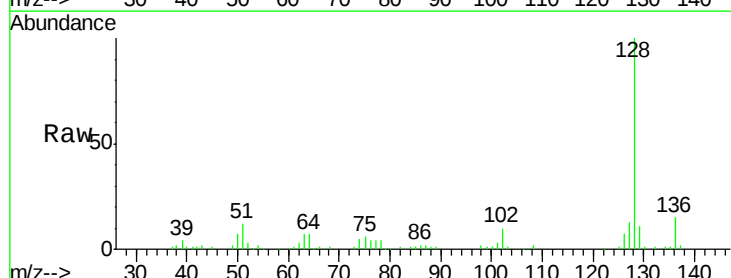
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

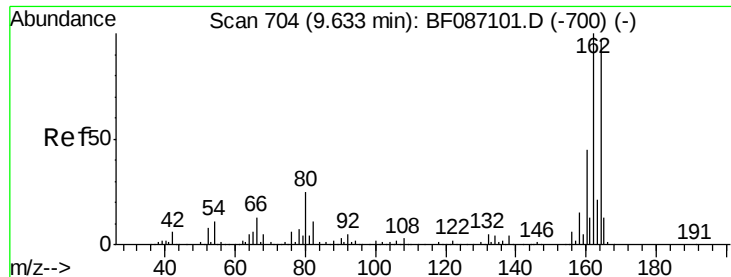
Tgt Ion: 82 Resp: 812664
 Ion Ratio Lower Upper
 82 100
 128 37.7 40.6 61.0#
 54 72.6 38.1 57.1#



#31
 Naphthalene
 Concen: 4.05 ng
 RT: 7.87 min Scan# 550
 Delta R.T. -0.05 min
 Lab File: BF087210.D
 Acq: 20 May 2016 4:13

Tgt Ion: 128 Resp: 99539
 Ion Ratio Lower Upper
 128 100
 129 11.3 8.6 13.0
 127 12.9 10.8 16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.60 min Scan# 701

Delta R.T. -0.05 min

Lab File: BF087210.D

Acq: 20 May 2016 4:13

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

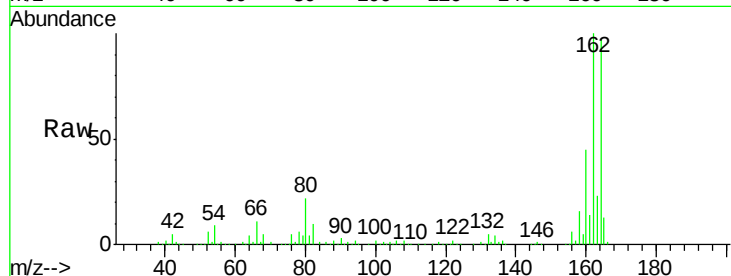
Tgt Ion:164 Resp: 230272

Ion Ratio Lower Upper

164 100

162 102.8 82.8 124.2

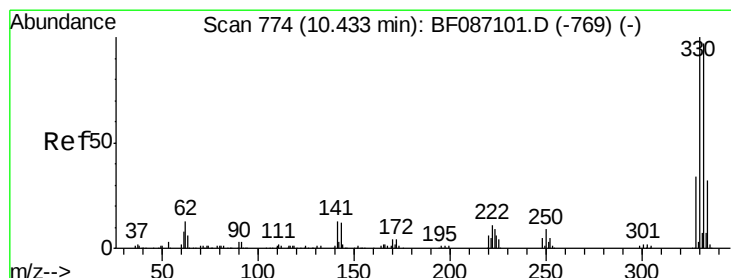
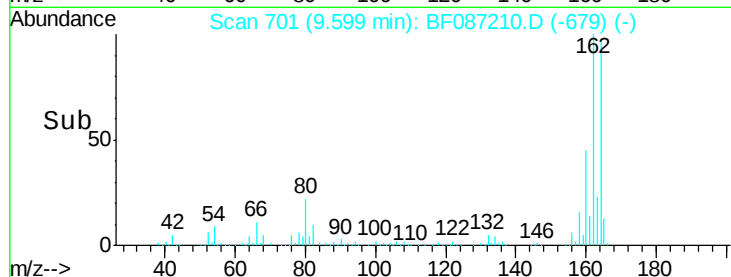
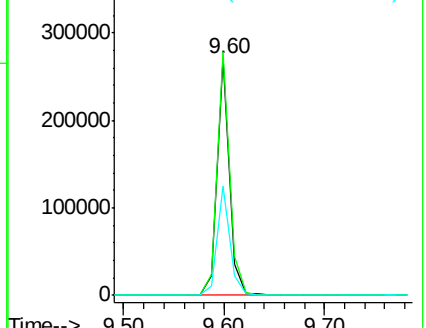
160 46.4 36.9 55.3



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: 127.33 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.05 min

Lab File: BF087210.D

Acq: 20 May 2016 4:13

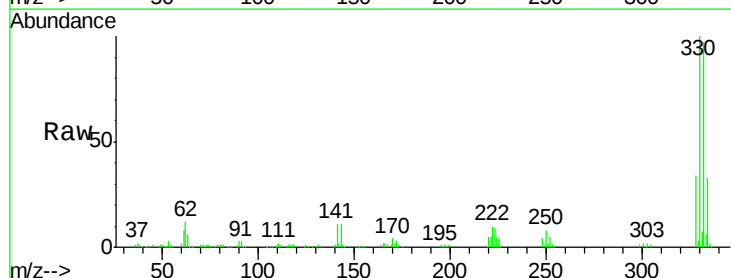
Tgt Ion:330 Resp: 324009

Ion Ratio Lower Upper

330 100

332 97.5 79.0 118.4

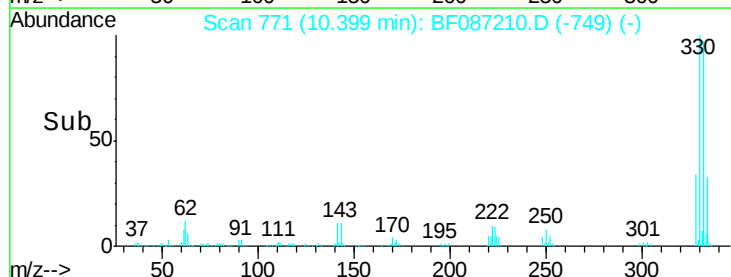
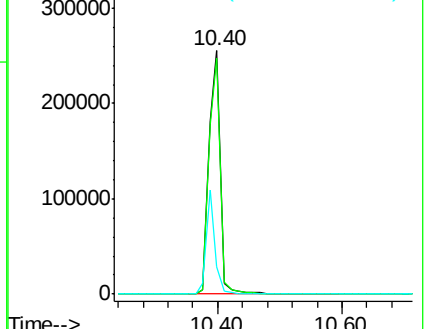
141 33.5 31.2 46.8

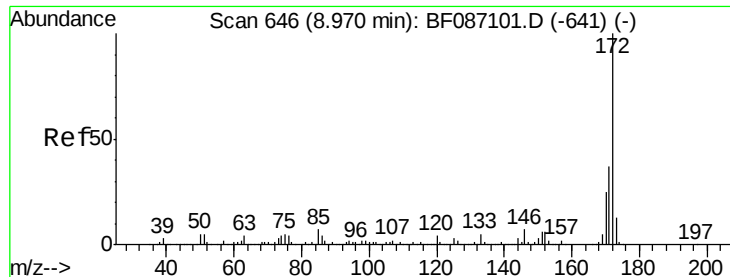


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 103.13 ng

RT: 8.94 min Scan# 643

Delta R.T. -0.05 min

Lab File: BF087210.D

Acq: 20 May 2016 4:13

Instrument :

BNA_F

ClientSampleId :

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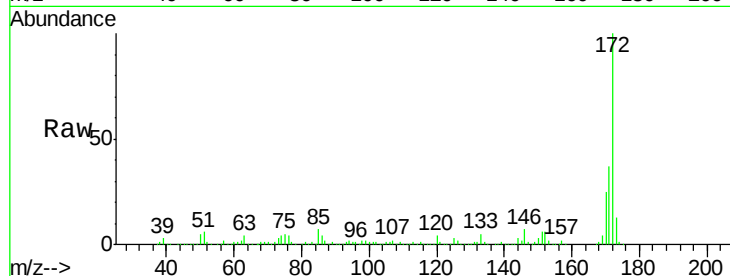
Tgt Ion:172 Resp: 1433950

Ion Ratio Lower Upper

172 100

171 36.6 29.0 43.6

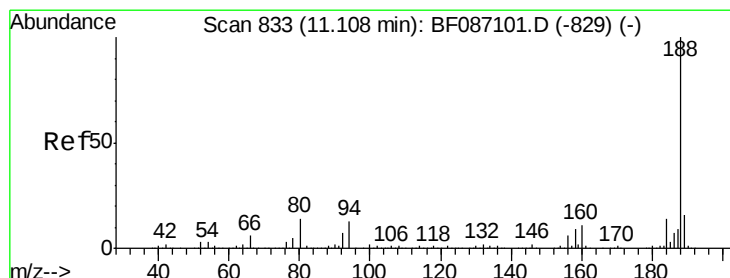
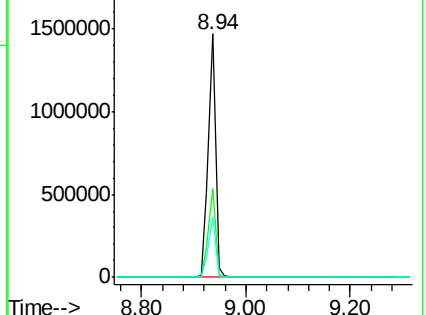
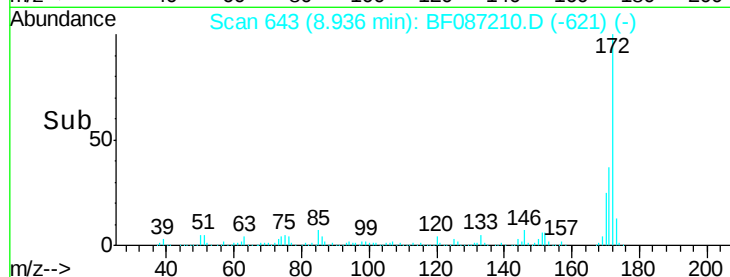
170 24.8 19.8 29.8



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: 11.07 min Scan# 830

Delta R.T. -0.05 min

Lab File: BF087210.D

Acq: 20 May 2016 4:13

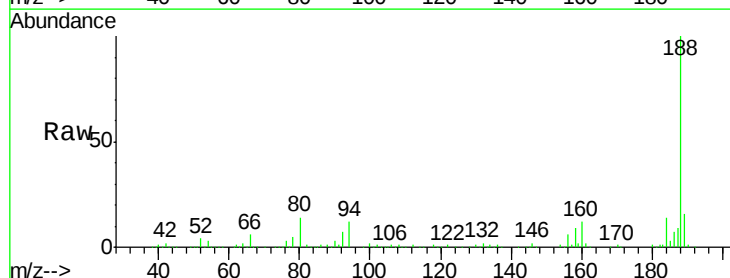
Tgt Ion:188 Resp: 386897

Ion Ratio Lower Upper

188 100

94 12.2 6.8 10.2#

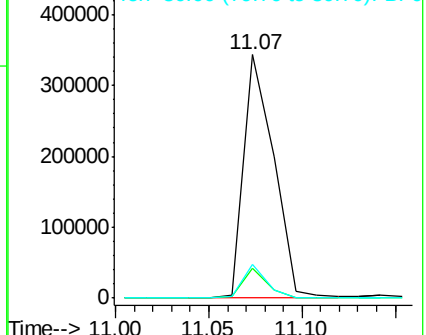
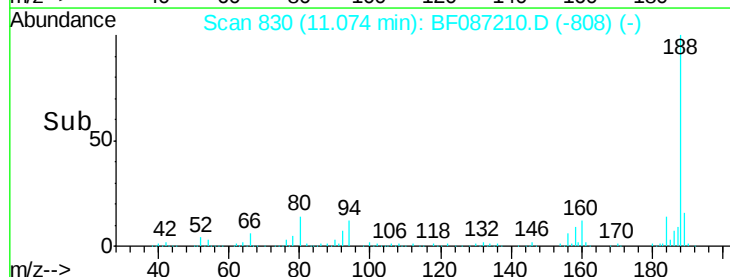
80 14.1 7.1 10.7#

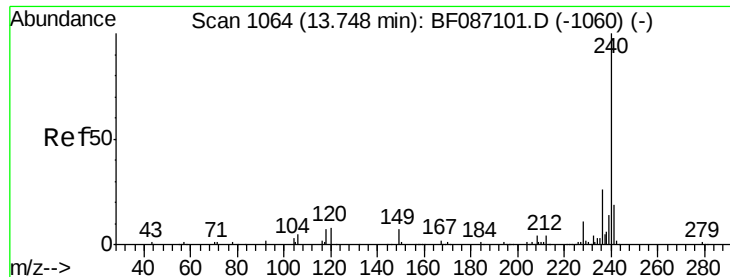


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.70 min Scan# 1060

Delta R.T. -0.06 min

Lab File: BF087210.D

Acq: 20 May 2016 4:13

Instrument :

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ClientSampleId :

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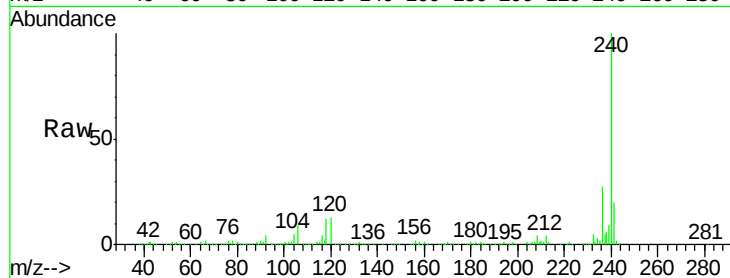
Tgt Ion:240 Resp: 282636

Ion Ratio Lower Upper

240 100

120 13.4 11.2 16.8

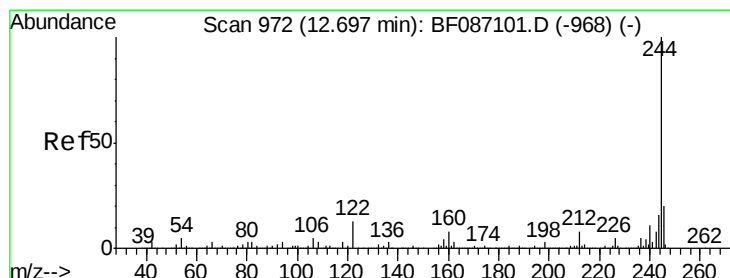
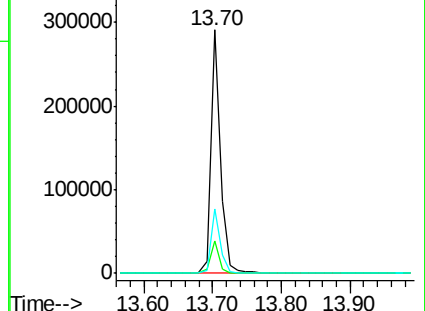
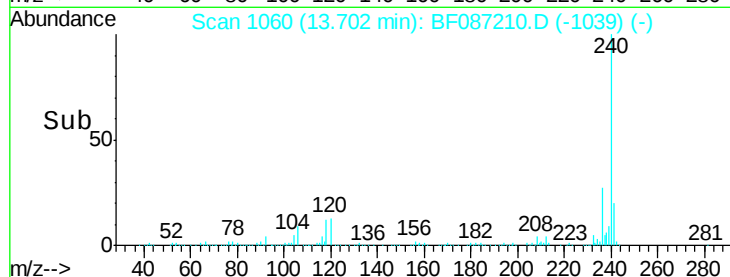
236 26.7 21.2 31.8



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: 88.09 ng

RT: 12.66 min Scan# 969

Delta R.T. -0.05 min

Lab File: BF087210.D

Acq: 20 May 2016 4:13

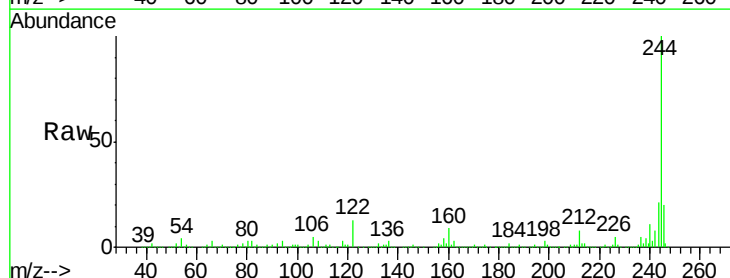
Tgt Ion:244 Resp: 1100586

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

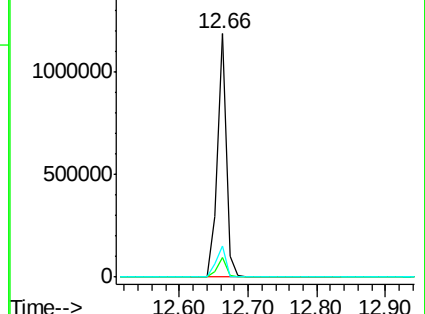
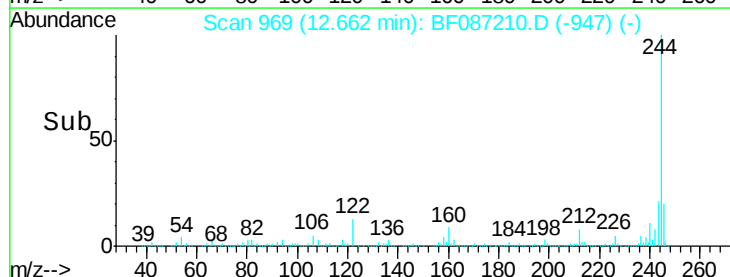
122 12.7 12.0 18.0

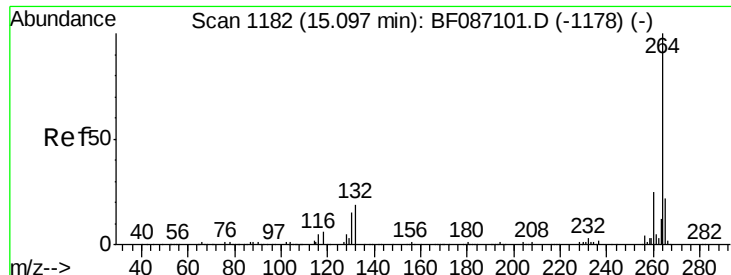


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

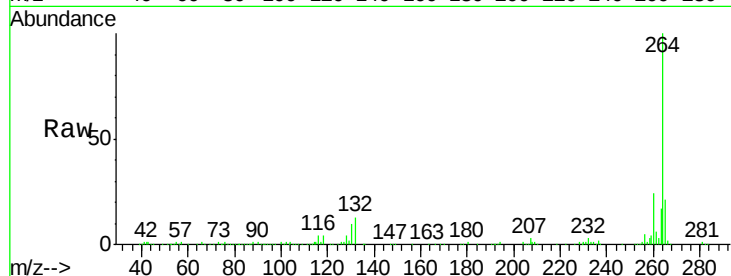




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF087210.D
Acq: 20 May 2016 4:13

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	20.9	17.3	25.9



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

