

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120716\
 Data File : BF091491.D
 Acq On : 8 Dec 2016 1:21
 Operator : UM/SJ
 Sample : H5882-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-SVP-19

Quant Time: Dec 08 03:26:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 08 00:35:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	143980	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	543172	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	297700	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	545260	20.00	ng	0.00
75) Chrysene-d12	13.98	240	391025	20.00	ng	0.00
86) Perylene-d12	15.40	264	222865	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	925226	104.98	ng	0.02
7) Phenol-d6	6.47	99	894065	82.41	ng	0.00
23) Nitrobenzene-d5	7.40	82	668188	68.94	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	370912	131.61	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1486984	90.44	ng	-0.01
78) Terphenyl-d14	12.94	244	1426674	79.30	ng	0.00

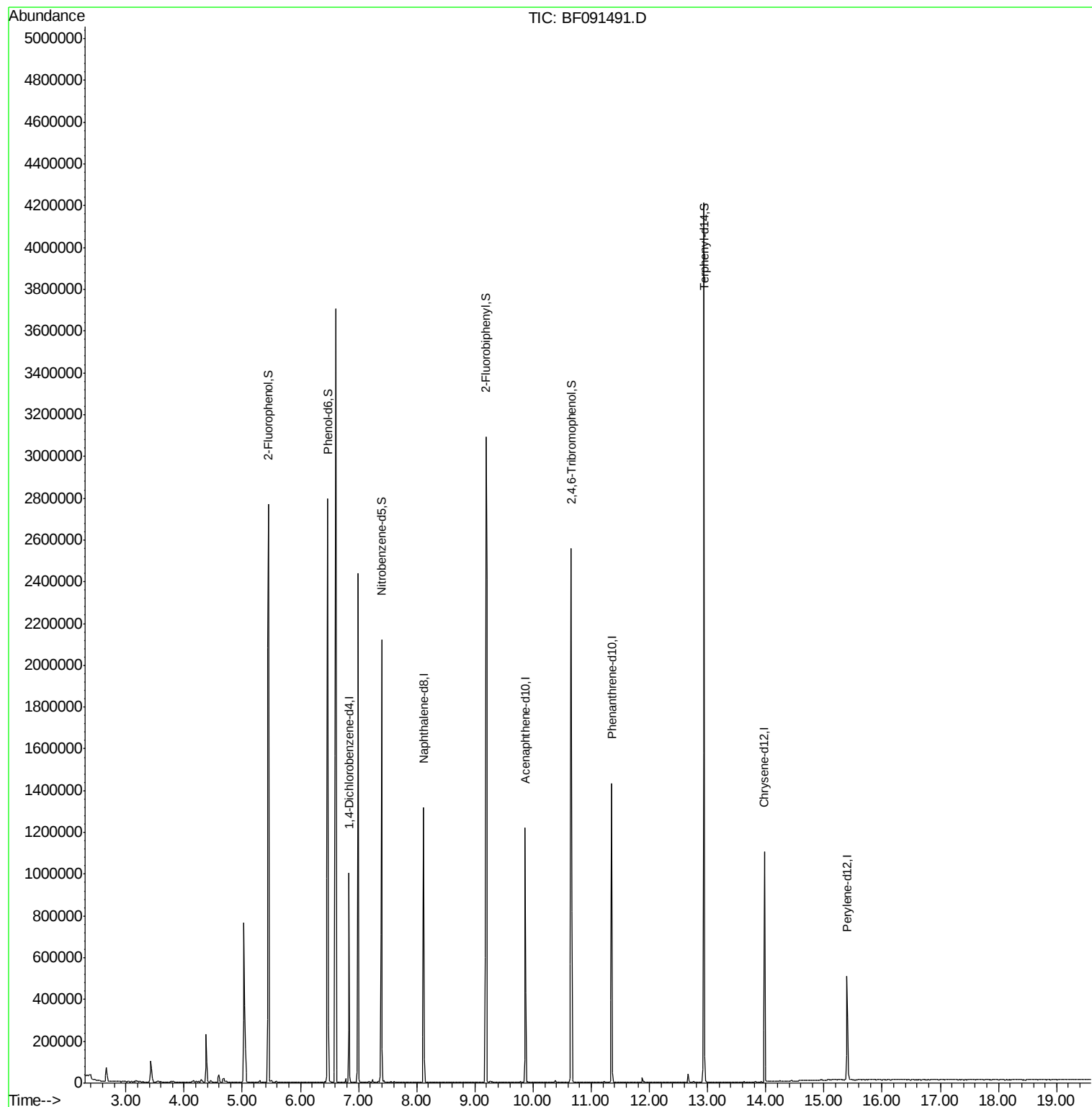
Target Compounds Qvalue

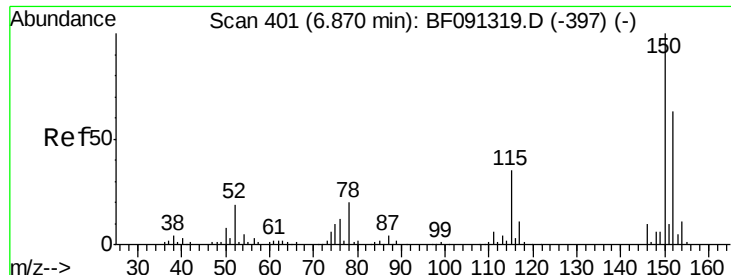
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF091491.D

Acq: 8 Dec 2016 1:21

Instrument :

BNA_F

ClientSampleId :

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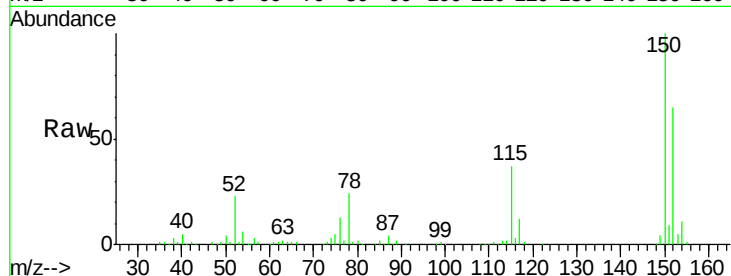
Tot Ion:152 Resp: 143980

Ion Ratio Lower Upper

152 100

150 154.4 122.5 183.7

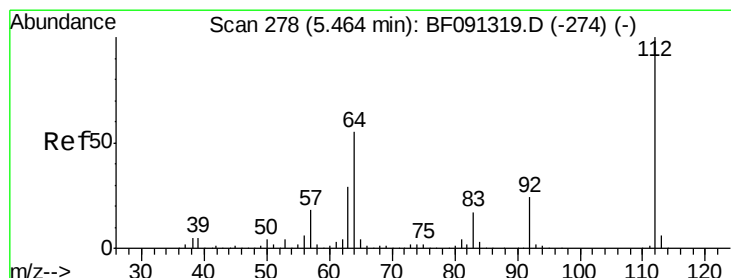
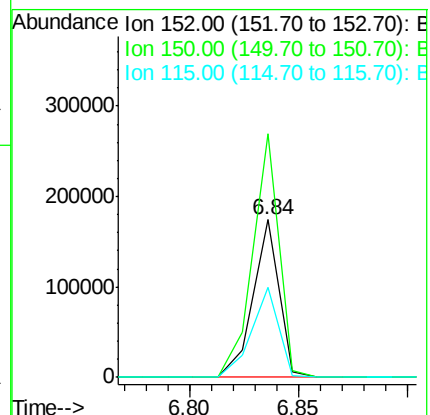
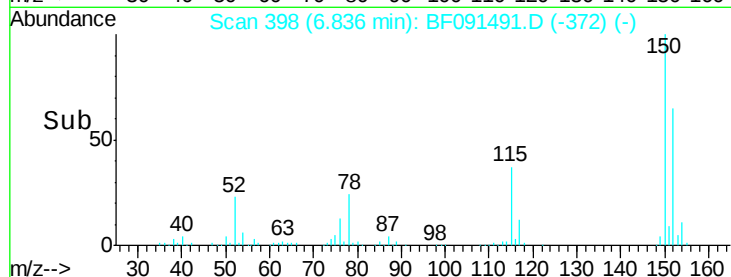
115 56.7 51.8 77.8



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: 104.98 ng

RT: 5.45 min Scan# 277

Delta R.T. 0.02 min

Lab File: BF091491.D

Acq: 8 Dec 2016 1:21

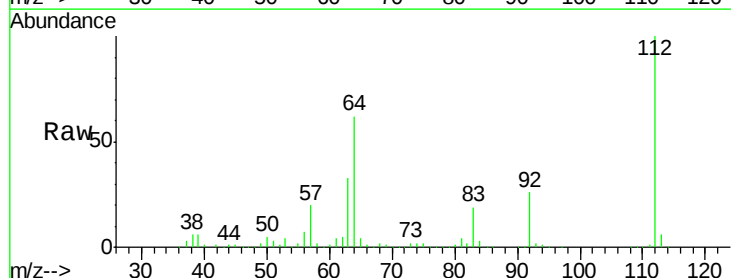
Tgt Ion:112 Resp: 925226

Ion Ratio Lower Upper

112 100

64 61.7 61.5 92.3

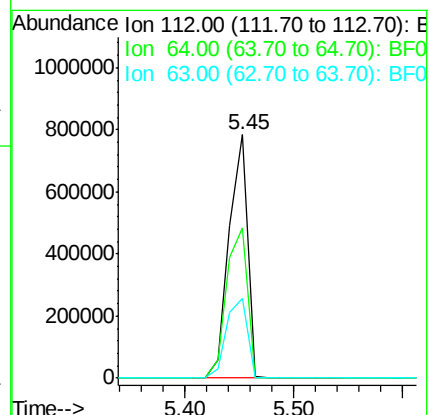
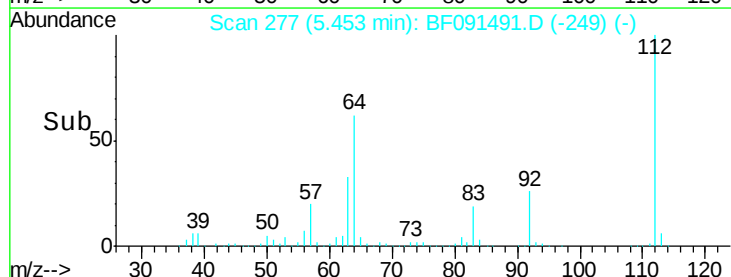
63 33.0 33.3 49.9#

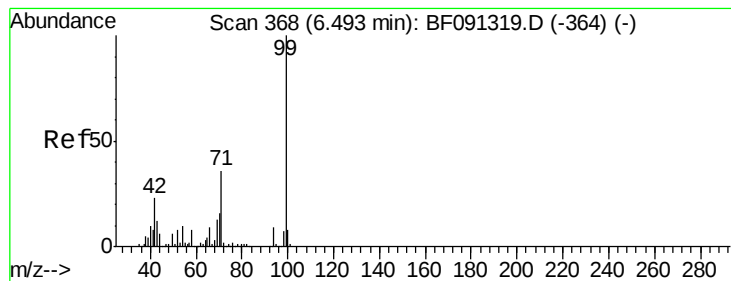


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 82.41 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.00 min

Lab File: BF091491.D

Acq: 8 Dec 2016 1:21

Instrument :

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SOIL-CUTTINGS-SVP-19

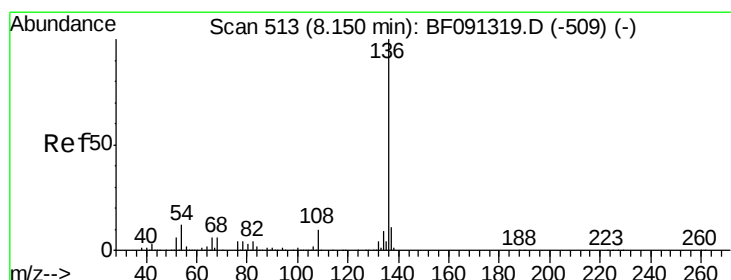
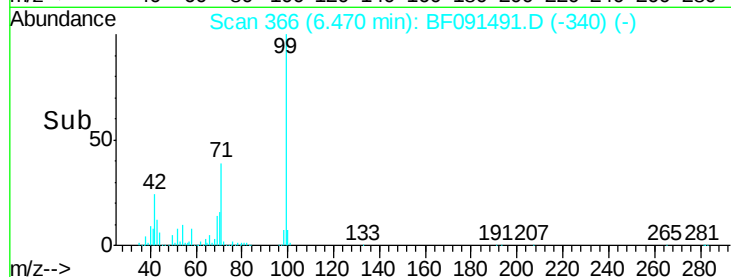
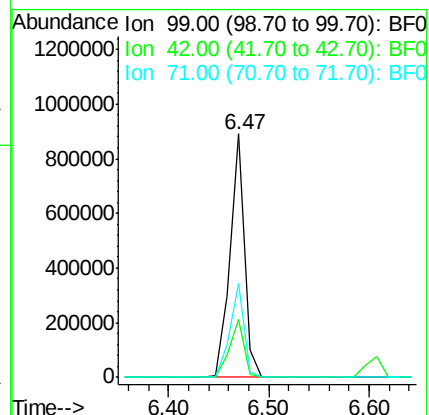
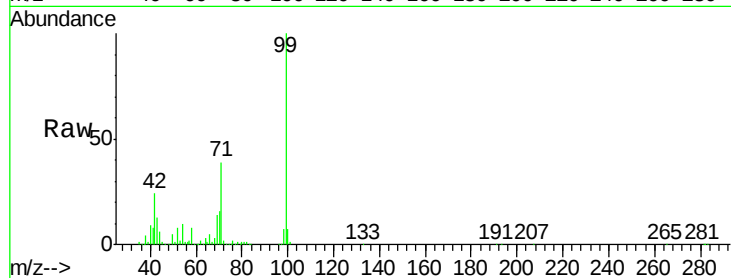
Tot Ion: 99 Resp: 894065

Ion Ratio Lower Upper

99 100

42 23.7 20.6 31.0

71 38.6 29.9 44.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 510

Delta R.T. -0.00 min

Lab File: BF091491.D

Acq: 8 Dec 2016 1:21

Tgt Ion: 136 Resp: 543172

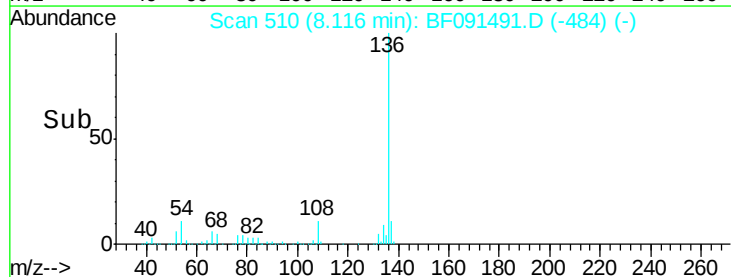
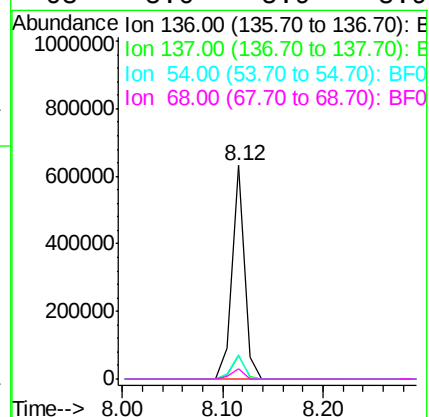
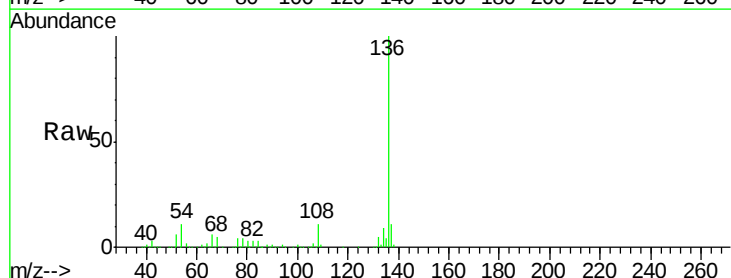
Ion Ratio Lower Upper

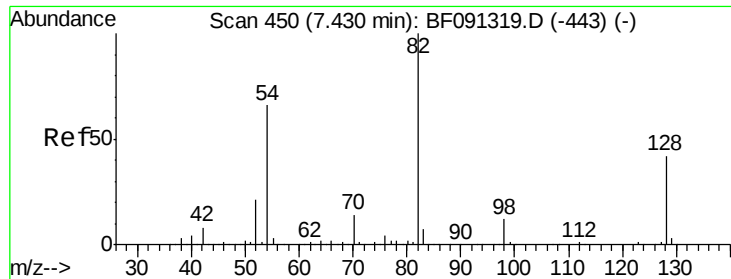
136 100

137 11.0 9.1 13.7

54 11.4 9.1 13.7

68 5.0 5.9 8.9#

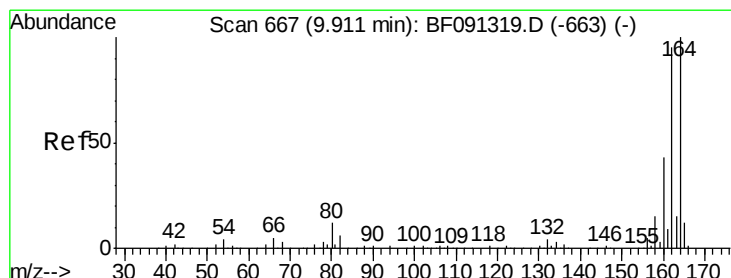
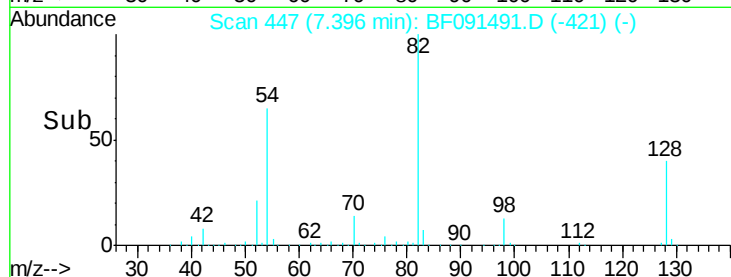
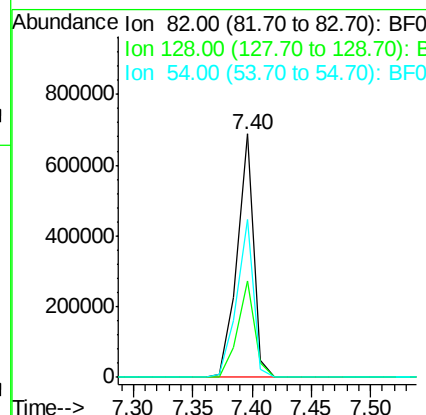
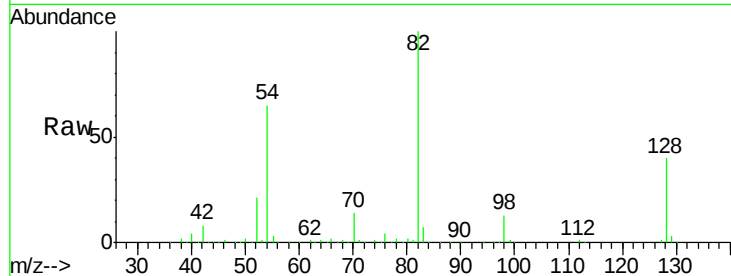




#23
 Nitrobenzene-d5
 Concen: 68.94 ng
 RT: 7.40 min Scan# 447
 Delta R.T. -0.00 min
 Lab File: BF091491.D
 Acq: 8 Dec 2016 1:21

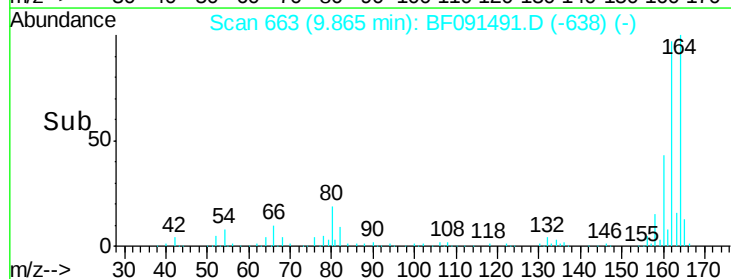
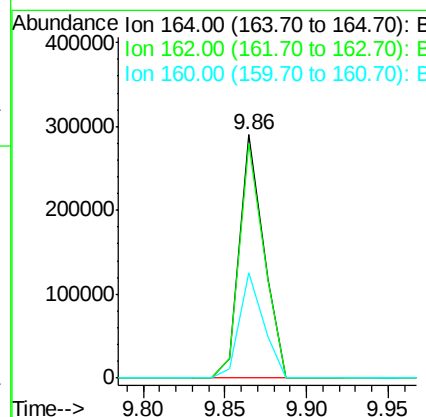
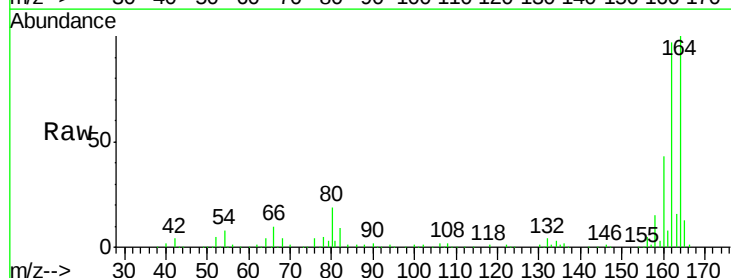
Instrument :
 BNA_F
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 SOIL-CUTTINGS-SVP-19

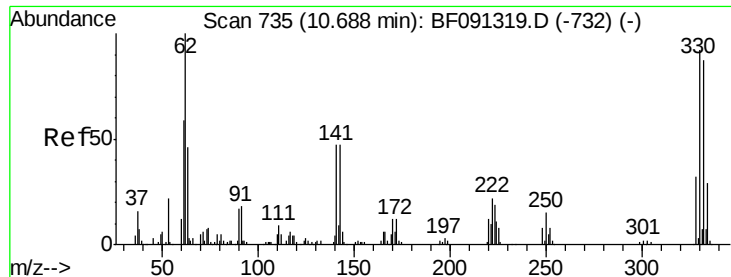
Tot Ion	82	Resp	668188
Ion Ratio	Lower	Upper	
82	100		
128	39.8	31.8	47.6
54	64.7	49.1	73.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF091491.D
 Acq: 8 Dec 2016 1:21

Tgt Ion	164	Resp	297700
Ion Ratio	Lower	Upper	
164	100		
162	96.5	82.6	124.0
160	43.1	36.7	55.1

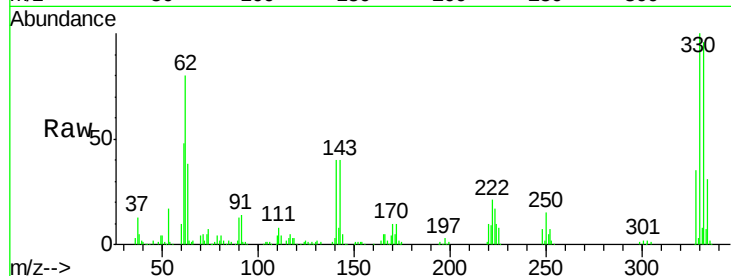




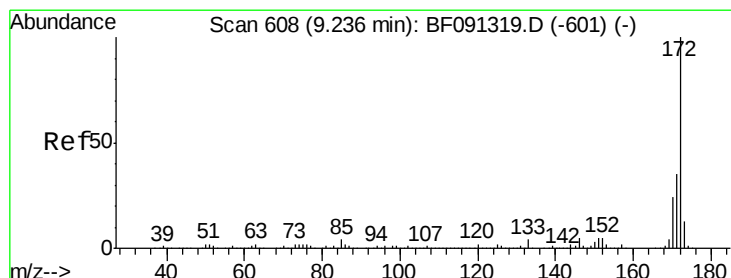
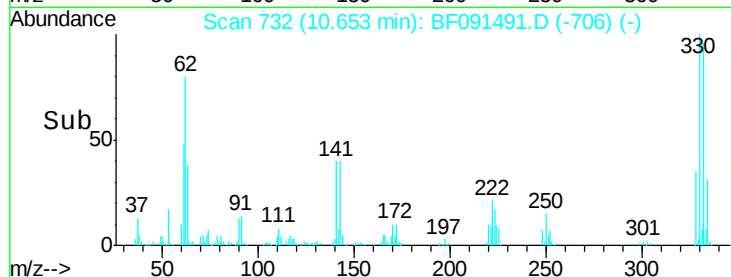
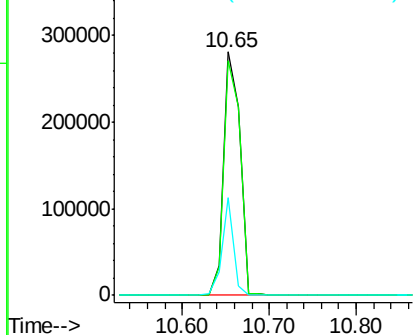
#41
 2,4,6-Tribromophenol
 Concen: 131.61 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF091491.D
 Acq: 8 Dec 2016 1:21

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS-SVP-19

Tot Ion:330 Resp: 370912
 Ion Ratio Lower Upper
 330 100
 332 97.9 76.2 114.4
 141 28.2 33.6 50.4#

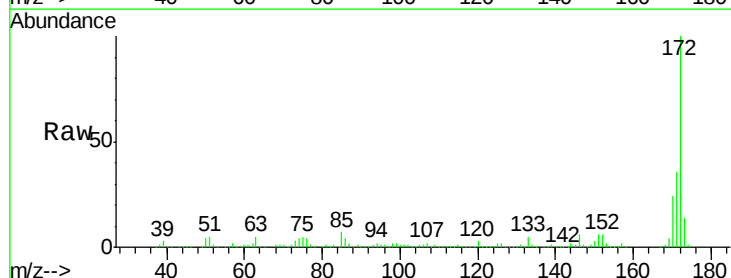


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

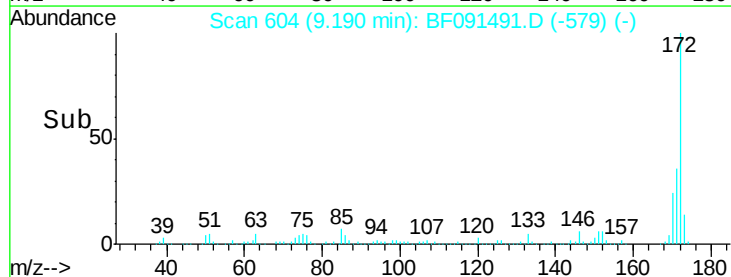
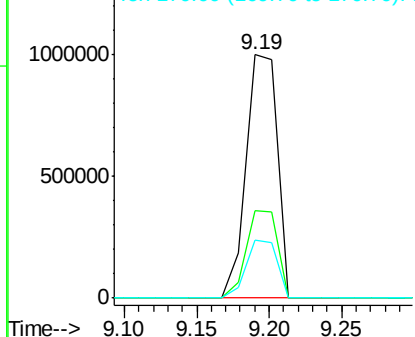


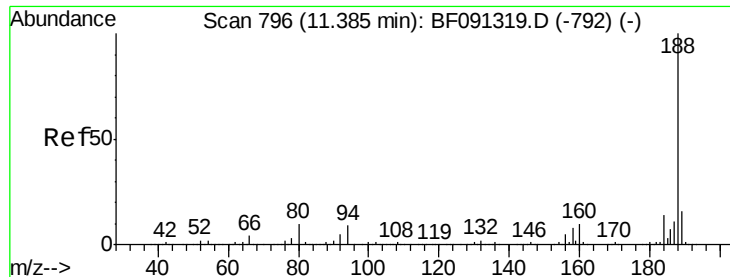
#44
 2-Fluorobiphenyl
 Concen: 90.44 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: BF091491.D
 Acq: 8 Dec 2016 1:21

Tgt Ion:172 Resp: 1486984
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.0
 170 23.7 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

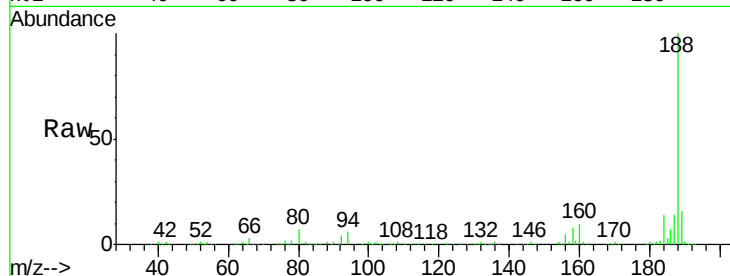




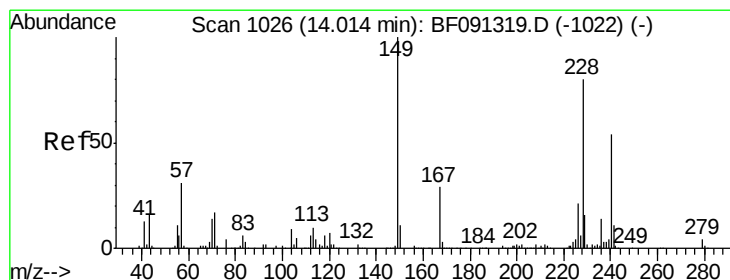
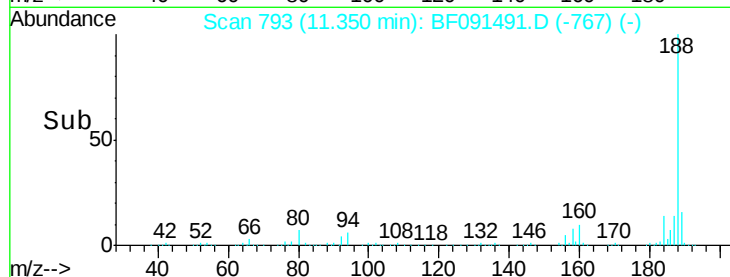
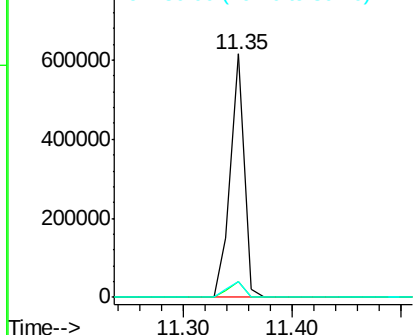
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF091491.D
Acq: 8 Dec 2016 1:21

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS-SVP-19

Tot Ion:188 Resp: 545260
Ion Ratio Lower Upper
188 100
94 6.3 9.2 13.8#
80 6.7 10.5 15.7#

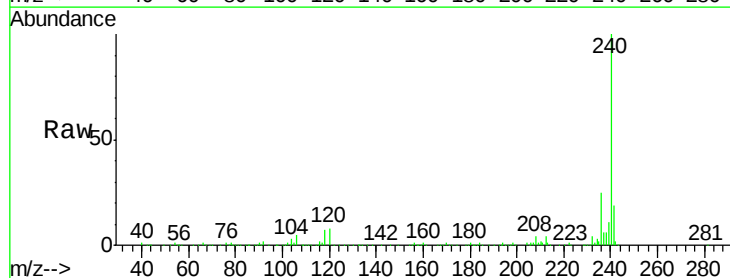


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

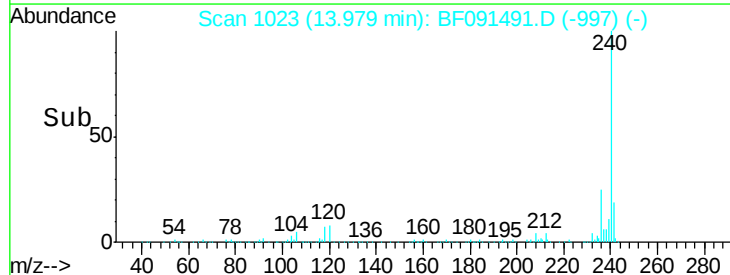
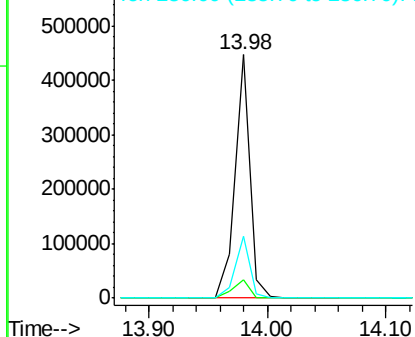


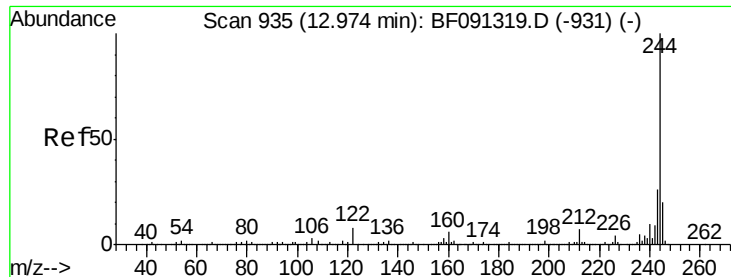
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF091491.D
Acq: 8 Dec 2016 1:21

Tgt Ion:240 Resp: 391025
Ion Ratio Lower Upper
240 100
120 7.6 12.1 18.1#
236 25.4 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

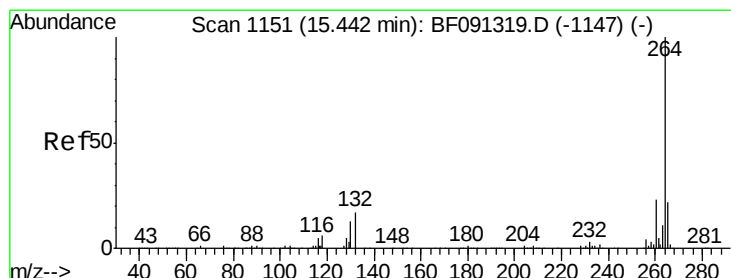
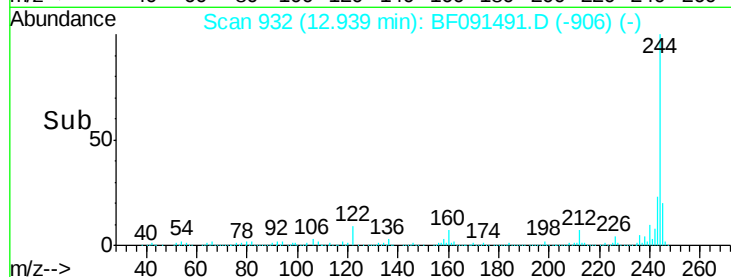
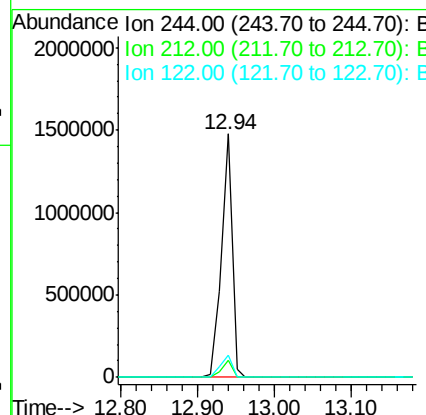
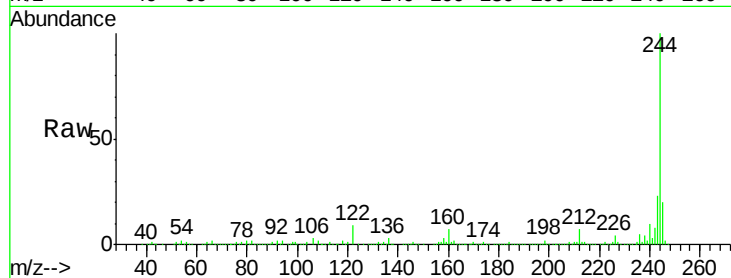




#78
 Terphenyl-d14
 Concen: 79.30 ng
 RT: 12.94 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: BF091491.D
 Acq: 8 Dec 2016 1:21

Instrument :
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Tot Ion:244 Resp: 1426674
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 9.4 9.5 14.3#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: BF091491.D
 Acq: 8 Dec 2016 1:21

Tgt Ion:264 Resp: 222865
 Ion Ratio Lower Upper
 264 100
 260 24.9 18.8 28.2
 265 20.6 17.0 25.6

