

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
 Data File : BF086508.D
 Acq On : 29 Apr 2016 22:51
 Operator : UM/SJ
 Sample : H2764-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-TOPSOIL-007

Manual Integrations
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Quant Time: Apr 30 02:06:34 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	156137	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	634514	20.00	ng	-0.03
38) Acenaphthene-d10	9.81	164	251139	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	398474	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	307278	20.00	ng	-0.03
86) Perylene-d12	15.33	264	232525	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1263671	139.60	ng	-0.01
7) Phenol-d6	6.43	99	1938172	153.41	ng	-0.01
23) Nitrobenzene-d5	7.34	82	1052268	89.39	ng	-0.03
41) 2,4,6-Tribromophenol	10.61	330	309658	116.92	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1570053	118.35	ng	-0.02
78) Terphenyl-d14	12.89	244	983892	70.54	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.54	163	158870	8.40	ng	99
70) Phenanthrene	11.32	178	57515	2.75	ng	100
74) Fluoranthene	12.50	202	113325	5.37	ng	96
77) Pyrene	12.73	202	96177	4.34	ng	97
80) Benzo(a)anthracene	13.92	228	44806	2.73	ng	96
82) Chrysene	13.95	228	55926	3.14	ng	98
87) Benzo(b)fluoranthene	14.93	252	66130m	4.83	ng	
88) Benzo(k)fluoranthene	14.95	252	35156m	2.46	ng	
89) Benzo(a)pyrene	15.28	252	37548	2.91	ng	# 71
91) Benzo(g,h,i)perylene	17.08	276	24031	2.27	ng	# 90

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

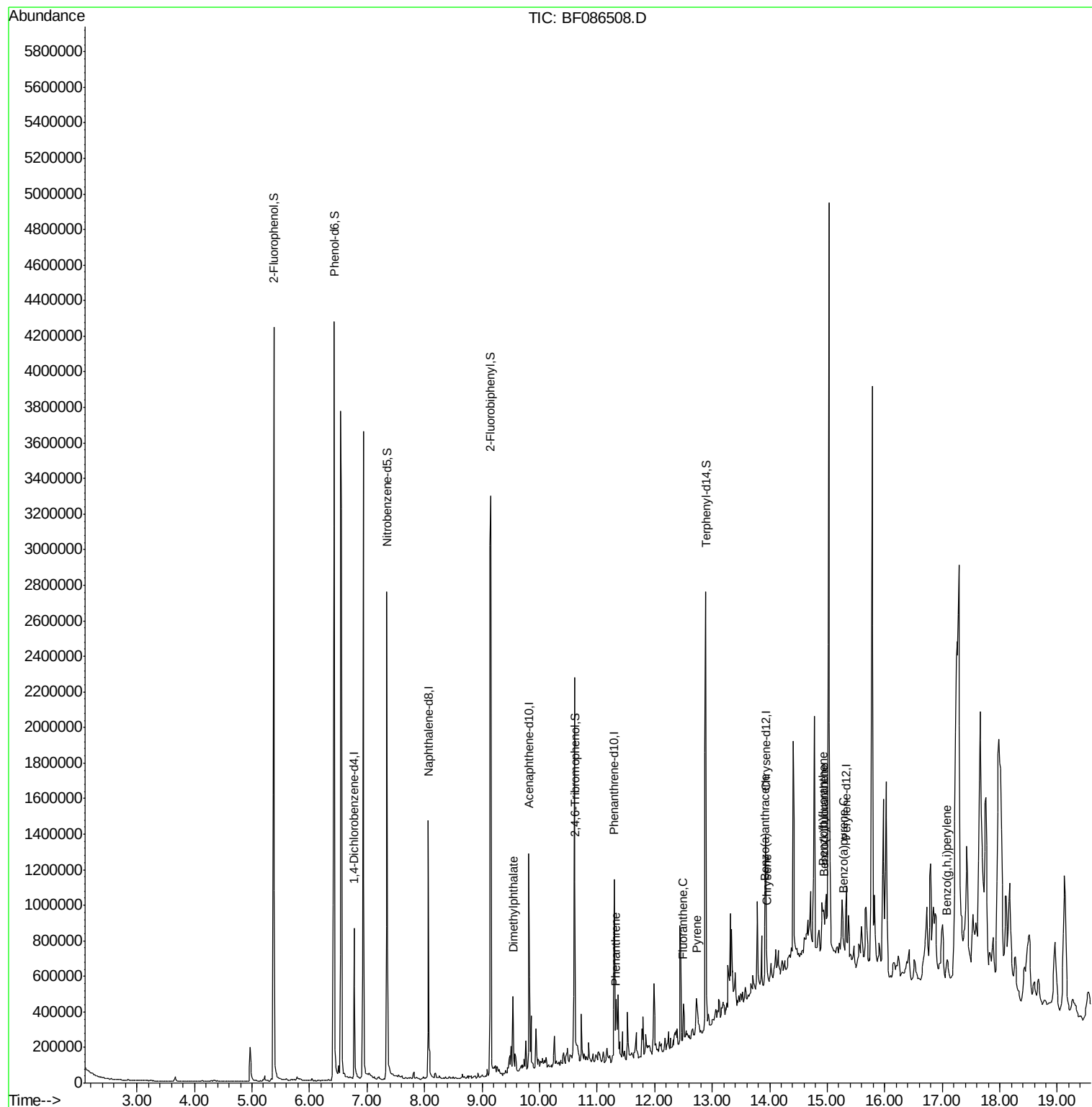
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086508.D
Acq On : 29 Apr 2016 22:51
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Sample : H2764-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

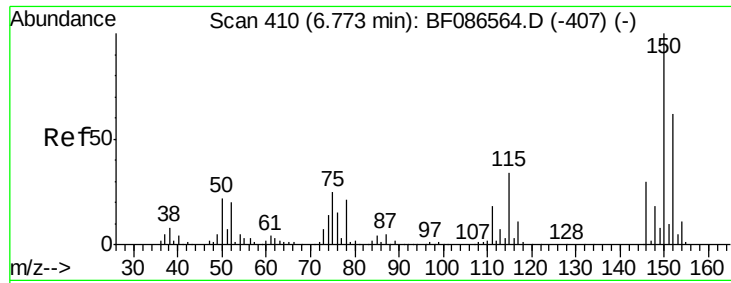
Instrument :
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#1

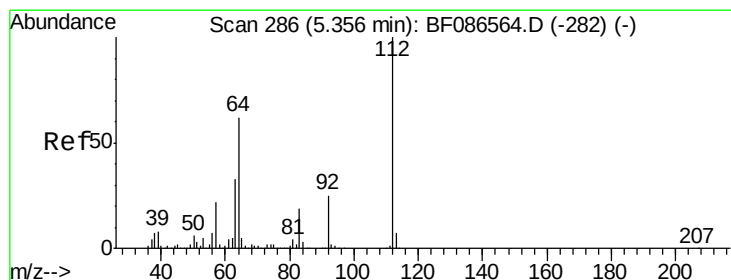
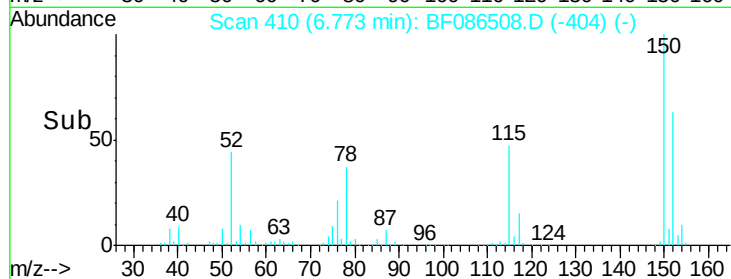
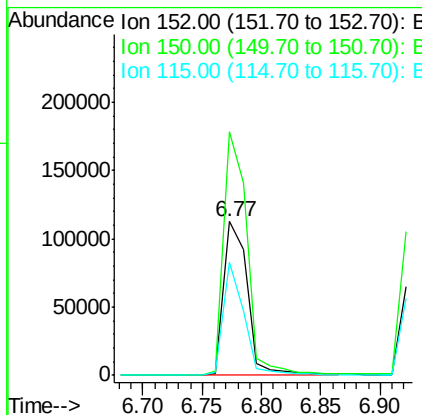
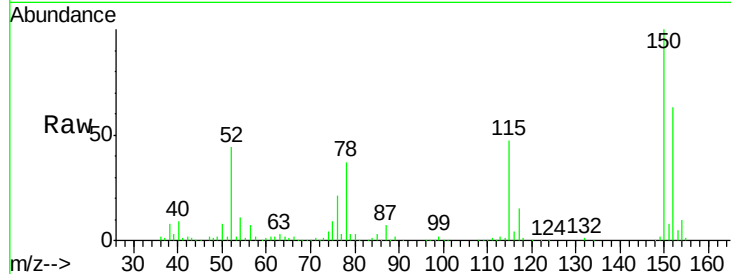
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.03 min
Lab File: BF086508.D
Acq: 29 Apr 2016 22:51

Instrument :
BNA_F
ClientSampleId :
IM-TOPSOIL-007

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	125.8	188.6
115	73.6	51.5	77.3

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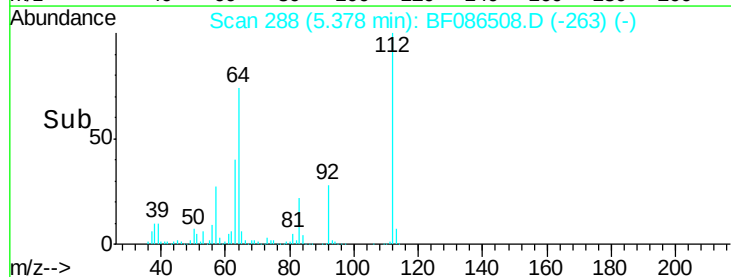
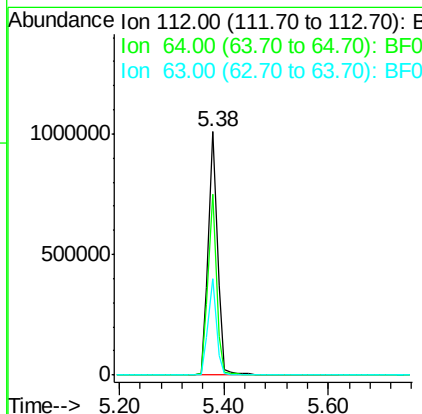
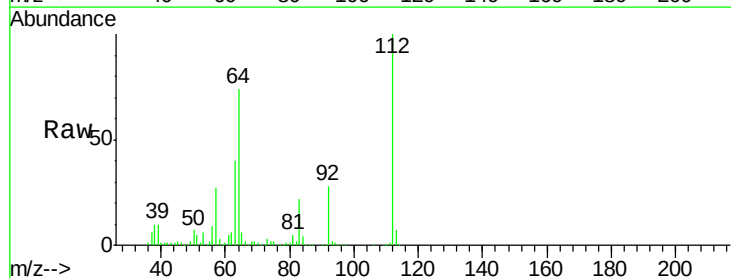
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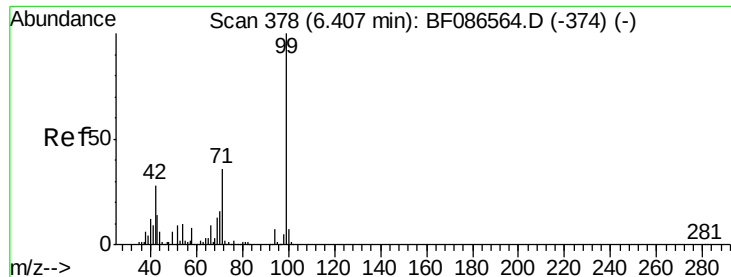


#5

2-Fluorophenol
Concen: 139.60 ng
RT: 5.38 min Scan# 288
Delta R.T. -0.01 min
Lab File: BF086508.D
Acq: 29 Apr 2016 22:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.2	52.1	78.1
63	39.9	25.7	38.5





#7

Phenol-d6

Concen: 153.41 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086508.D

Acq: 29 Apr 2016 22:51

Instrument :

BNA_F

ClientSampleId :

IM-TOPSOIL-007

Tot Ion: 99 Resp: 1938172

Ion Ratio Lower Upper

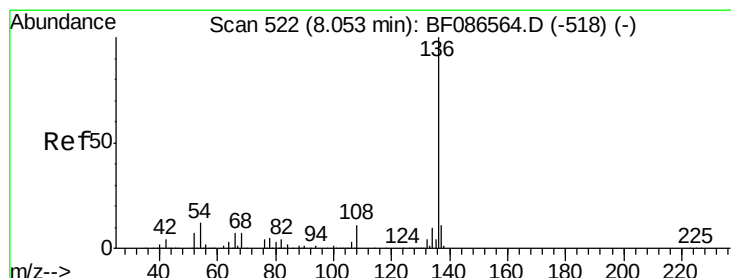
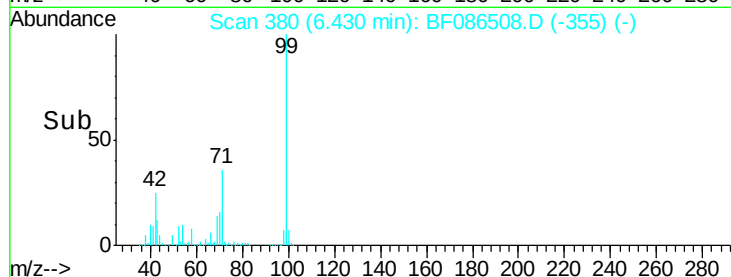
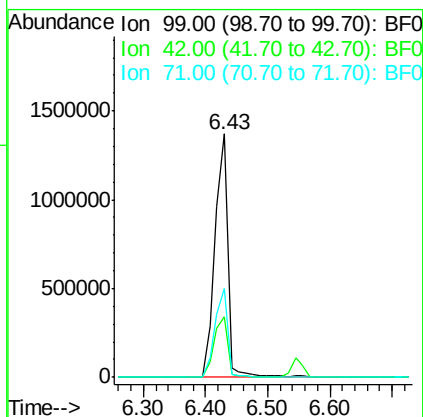
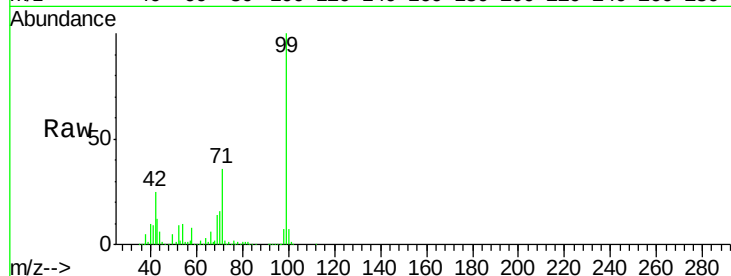
99 100

42 25.1 13.6 20.4#

71 36.3 24.6 36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.03 min

Lab File: BF086508.D

Acq: 29 Apr 2016 22:51

Tgt Ion: 136 Resp: 634514

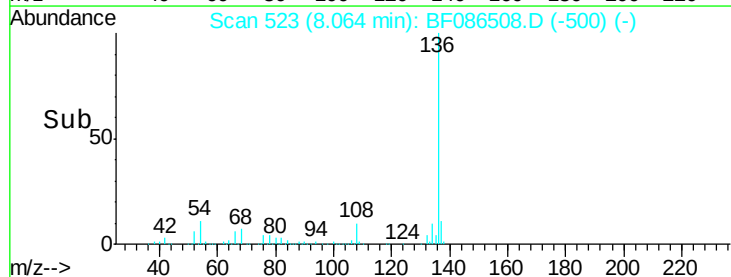
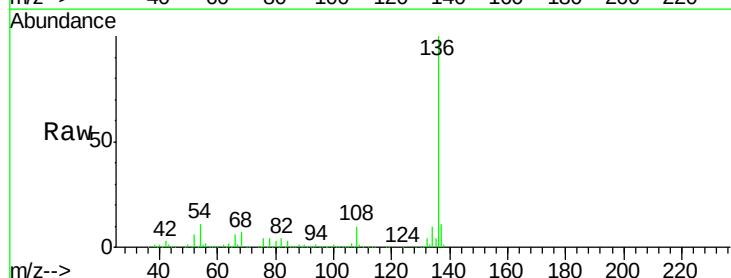
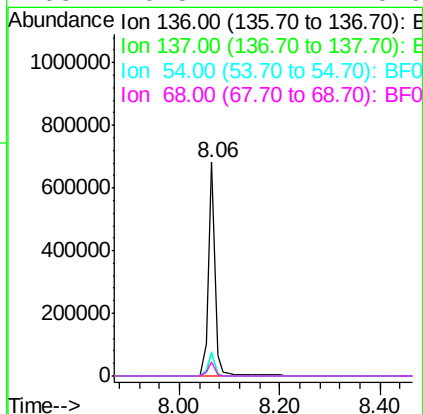
Ion Ratio Lower Upper

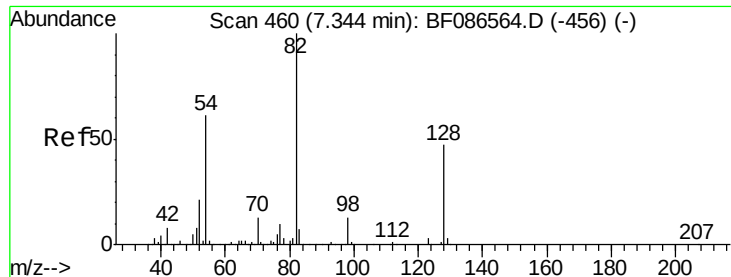
136 100

137 10.9 8.8 13.2

54 11.2 5.0 7.4#

68 6.8 4.4 6.6#





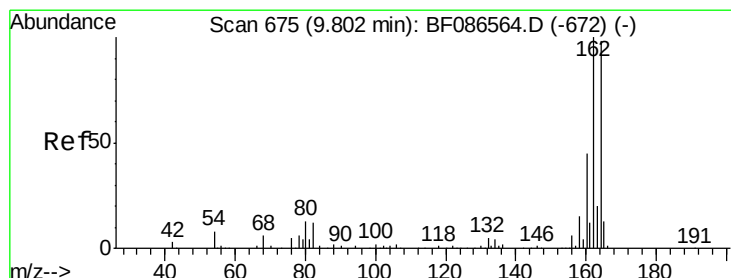
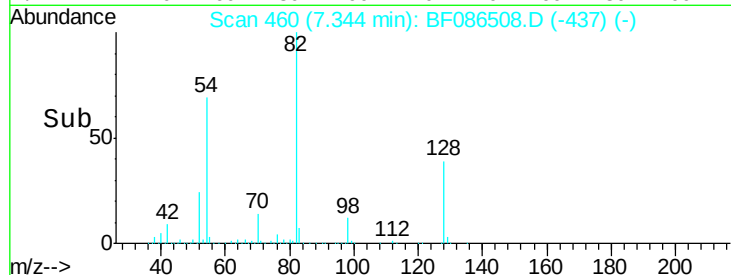
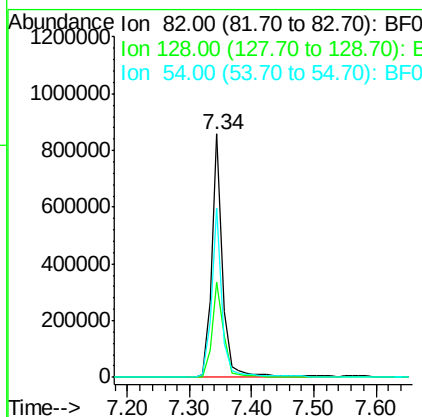
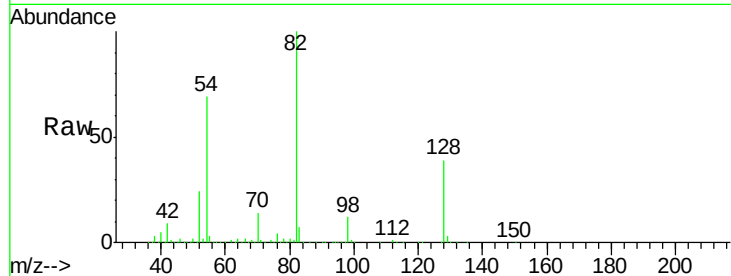
#23
 Nitrobenzene-d5
 Concen: 89.39 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.03 min
 Lab File: BF086508.D
 Acq: 29 Apr 2016 22:51

Instrument :
 BNA_F
 ClientSampleId :
 IM-TOPSOIL-007

Tot Ion	Ion	Ratio	Lower	Upper
82	100			
128	39.3	40.6	61.0	
54	69.5	38.1	57.1	

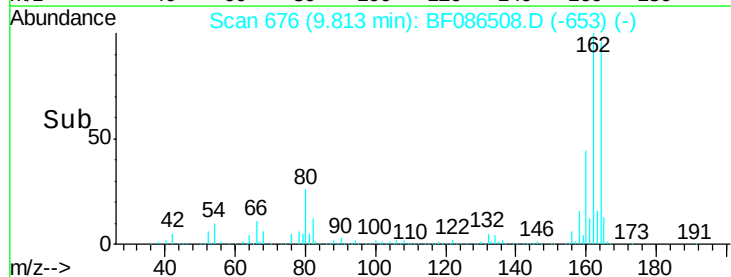
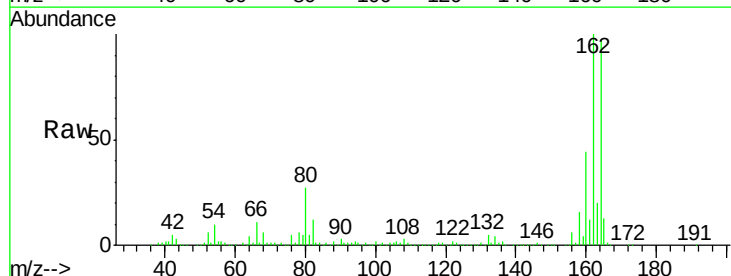
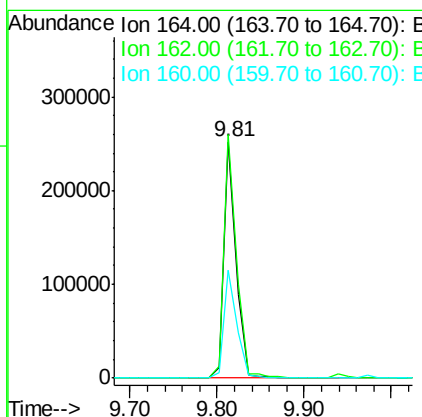
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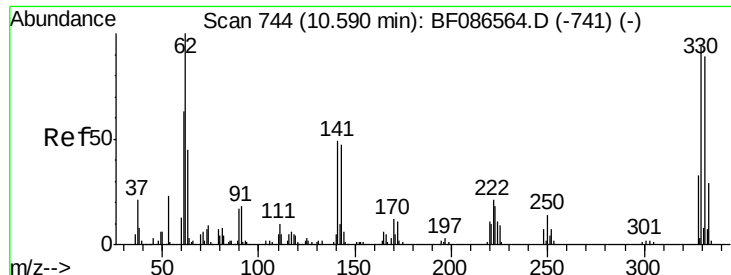
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.03 min
 Lab File: BF086508.D
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Tgt Ion	Ion	Ratio	Lower	Upper
164	100			
162	103.0	82.8	124.2	
160	45.7	36.9	55.3	





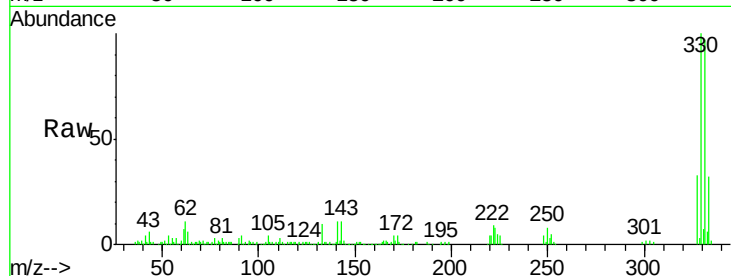
#41
 2,4,6-Tribromophenol
 Concen: 116.92 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF086508.D
 Acq: 29 Apr 2016 22:51

Instrument :
 BNA_F
 ClientSampleId :
 IM-TOPSOIL-007

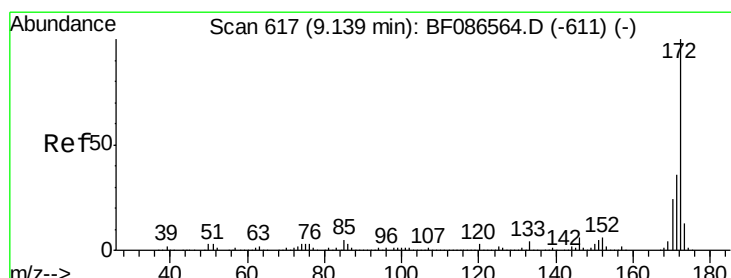
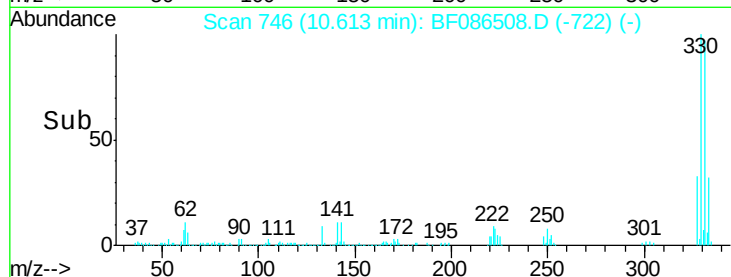
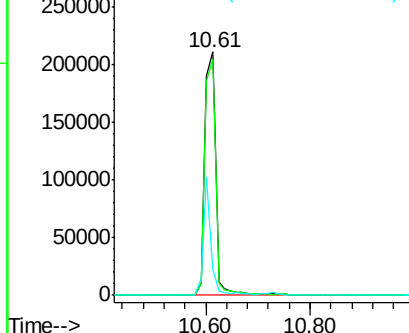
Tot Ion	Ratio	Resp	Lower	Upper
330	100	309658		
332	95.4		79.0	118.4
141	33.0		31.2	46.8

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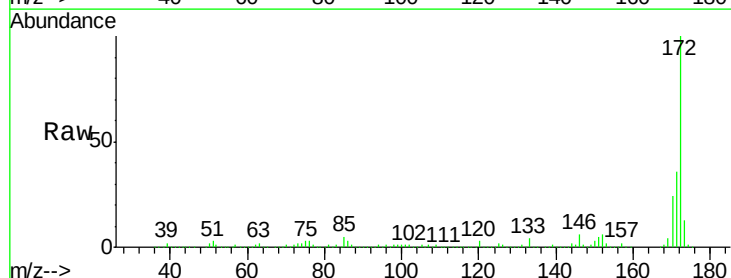


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

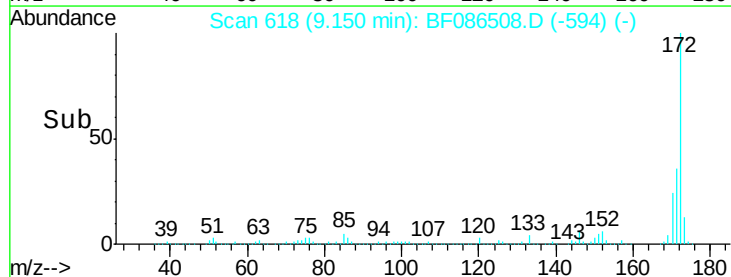
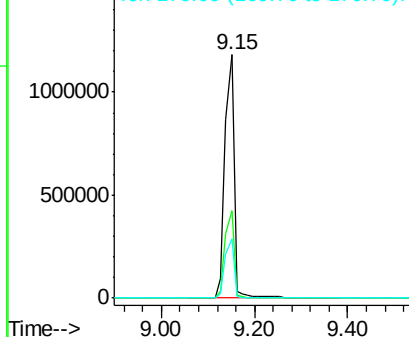


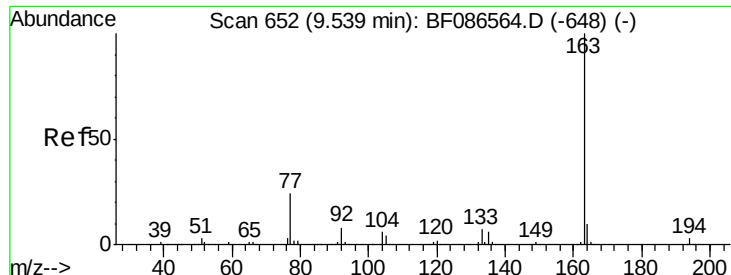
#44
 2-Fluorobiphenyl
 Concen: 118.35 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF086508.D
 Acq: 29 Apr 2016 22:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1570053		
171	35.7		29.0	43.6
170	24.4		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





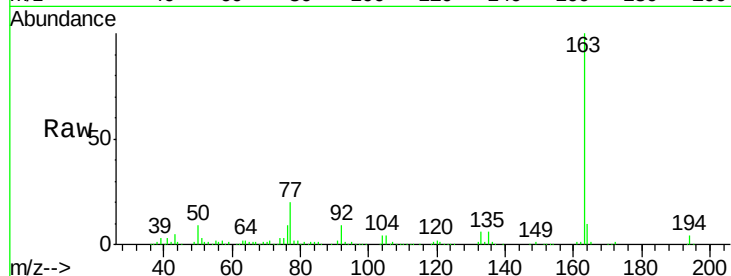
#49
Dimethylphthalate
Concen: 8.40 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF086508.D
Acq: 29 Apr 2016 22:51

Instrument :
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ClientSampleId :
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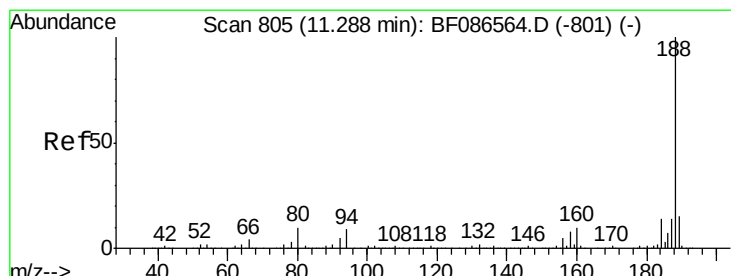
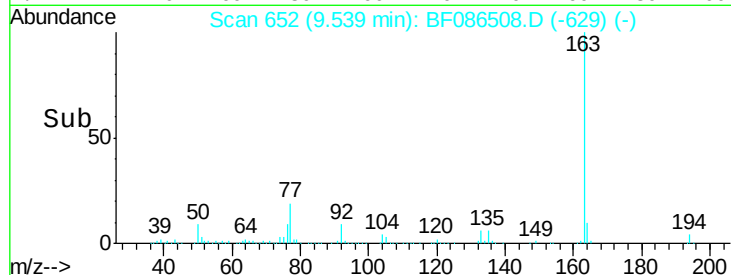
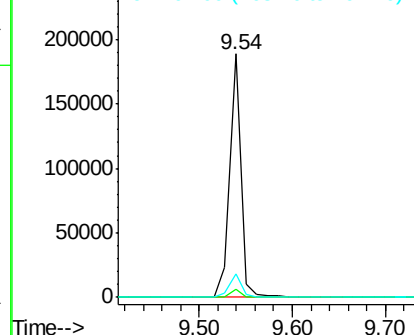
Tot Ion	Ratio	Resp	Lower	Upper
163	100	158870		
194	3.5	2.6	4.0	
164	9.9	8.2	12.4	

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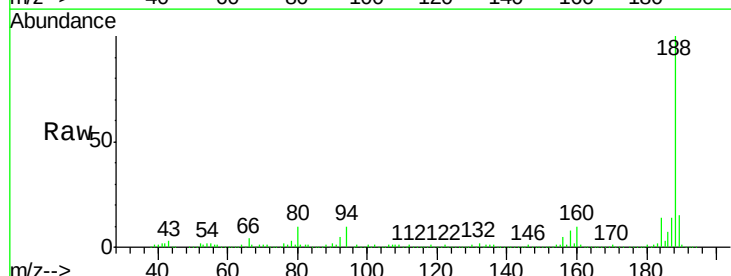


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

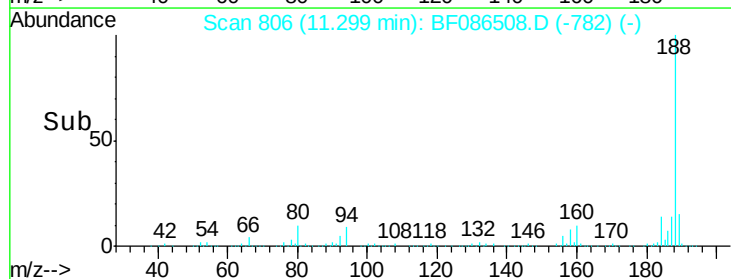
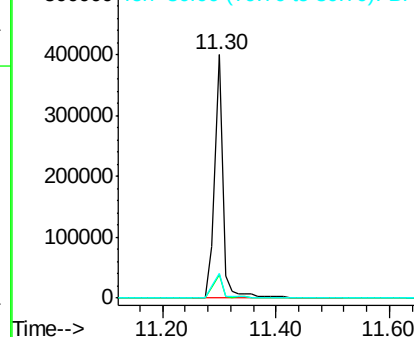


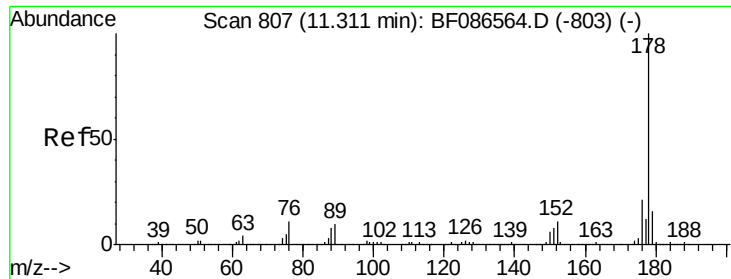
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF086508.D
Acq: 29 Apr 2016 22:51

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	398474		
94	9.8	6.8	10.2	
80	9.9	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





#70

Phenanthrene

Concen: 2.75 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.03 min

Lab File: BF086508.D

Acq: 29 Apr 2016 22:51

Instrument :

BNA_F

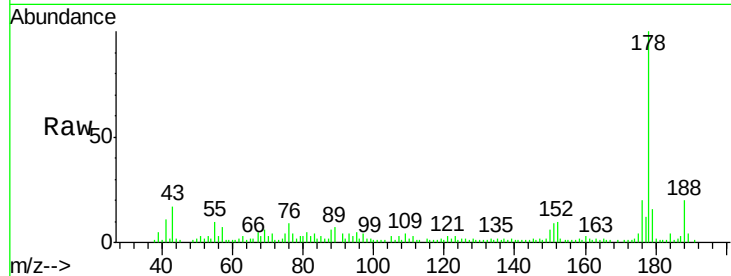
ClientSampleId :

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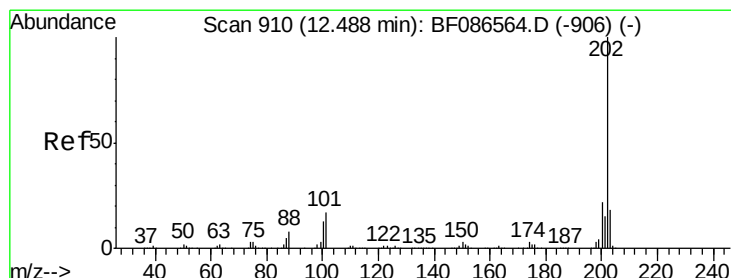
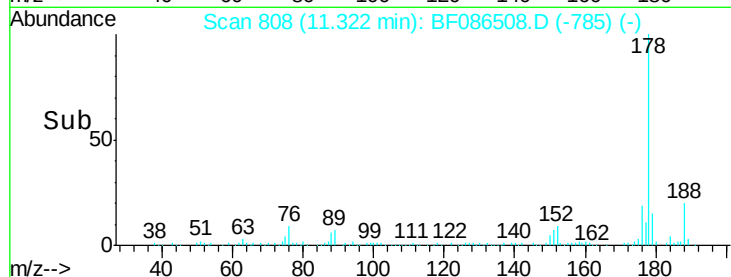
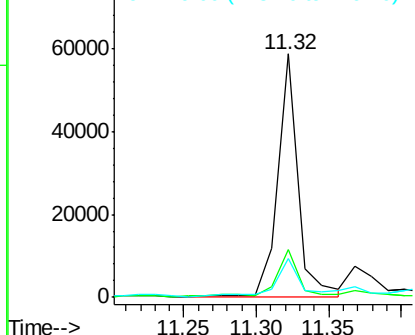
Tot Ion:	178	Resp:	57515
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.0	24.0
179	15.7	12.6	18.8

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 5.37 ng

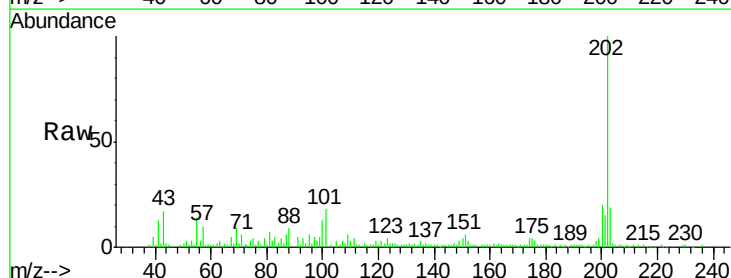
RT: 12.50 min Scan# 911

Delta R.T. -0.03 min

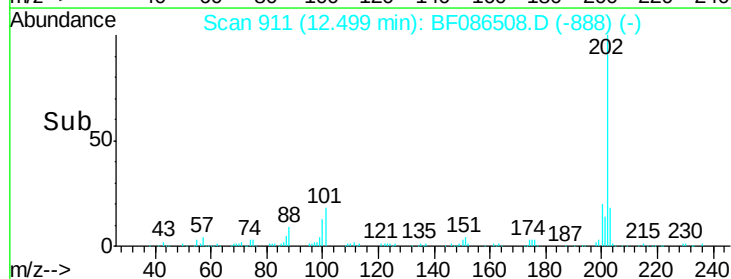
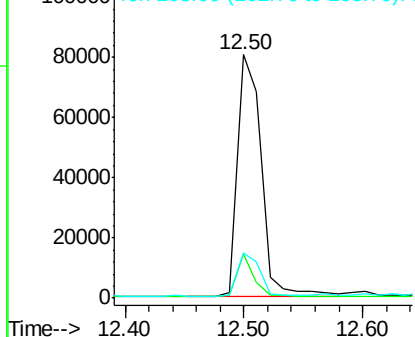
Lab File: BF086508.D

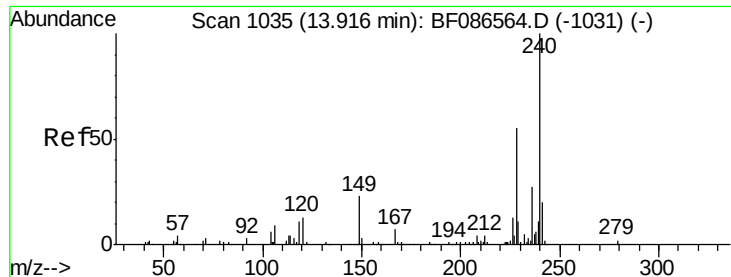
Acq: 29 Apr 2016 22:51

Tgt Ion:	202	Resp:	113325
Ion Ratio	Lower	Upper	
202	100		
101	18.2	0.0	35.4
203	18.6	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF086508.D

Acq: 29 Apr 2016 22:51

Instrument :

BNA_F

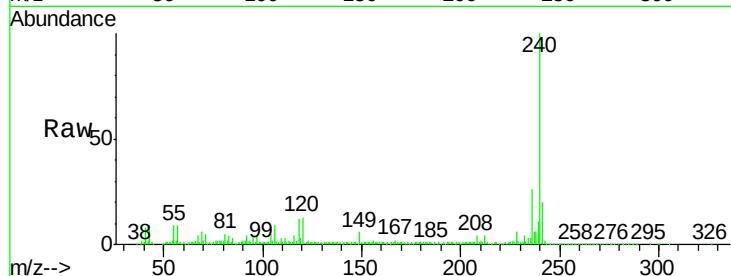
ClientSampleId :

IM-TOPSOIL-007

Tot Ion:	240	Resp:	307278
Ion Ratio	Lower	Upper	
240	100		
120	13.3	11.2	16.8
236	26.2	21.2	31.8

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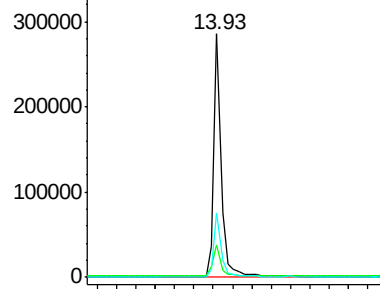
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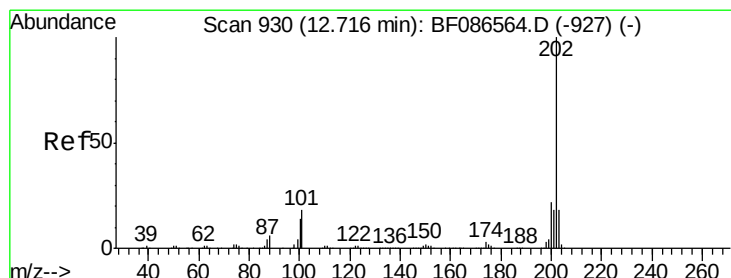
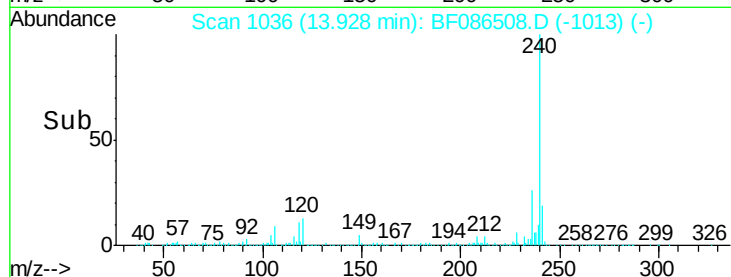
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 4.34 ng

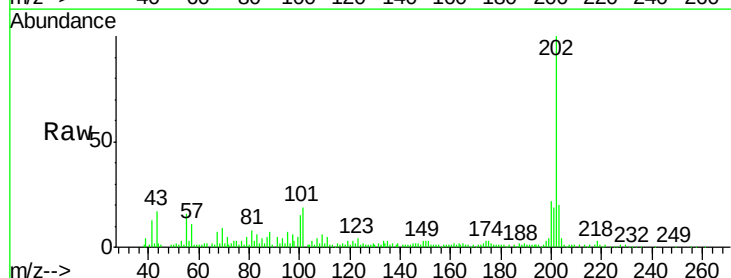
RT: 12.73 min Scan# 931

Delta R.T. -0.03 min

Lab File: BF086508.D

Acq: 29 Apr 2016 22:51

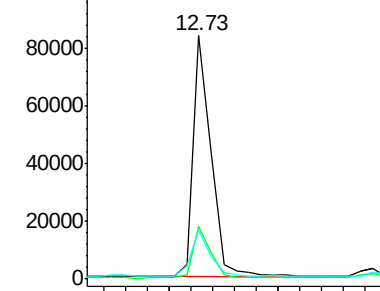
Tgt Ion:	202	Resp:	96177
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.7	26.5
203	19.9	14.2	21.4



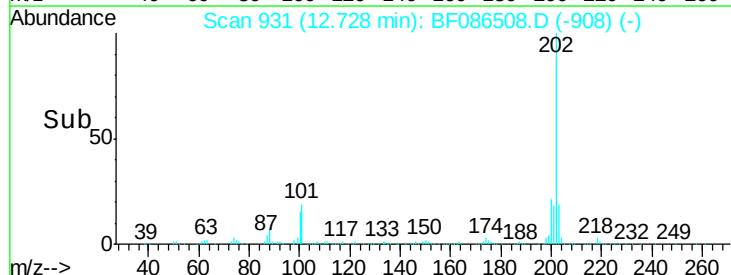
Abundance Ion 202.00 (201.70 to 202.70): E

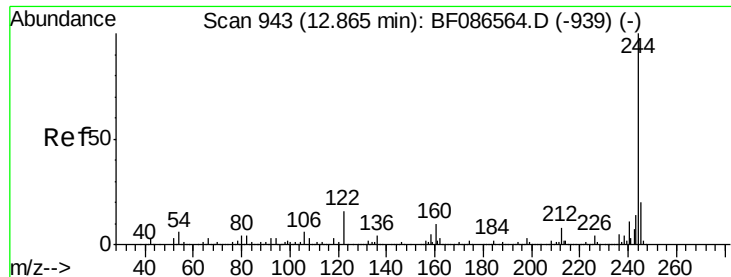
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#78

Terphenyl-d14

Concen: 70.54 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF086508.D

Acq: 29 Apr 2016 22:51

Instrument :

BNA_F

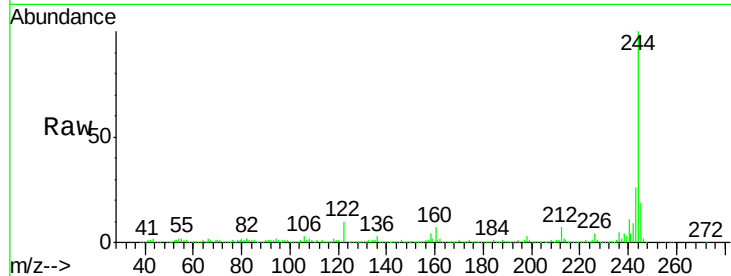
ClientSampleId :

IM-TOPSOIL-007

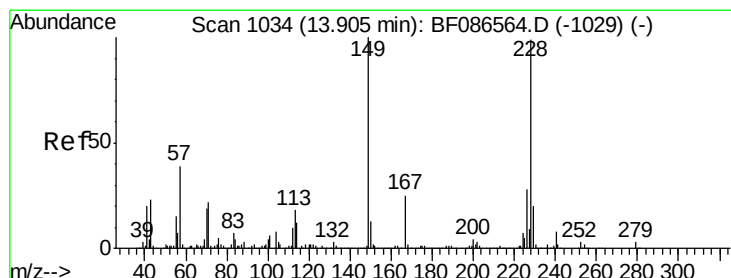
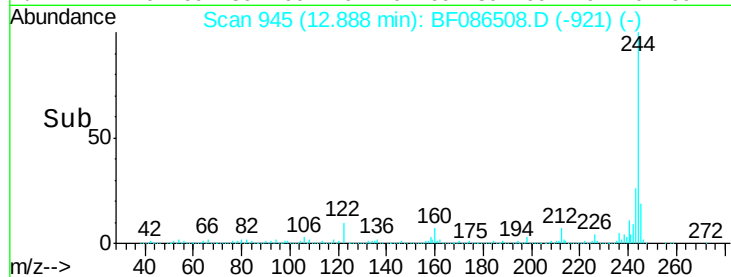
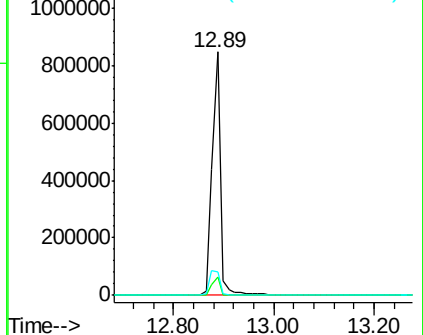
Tot Ion:	244	Resp:	983892
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.2	9.2
122	9.8	12.0	18.0#

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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



#80

Benzo(a)anthracene

Concen: 2.73 ng

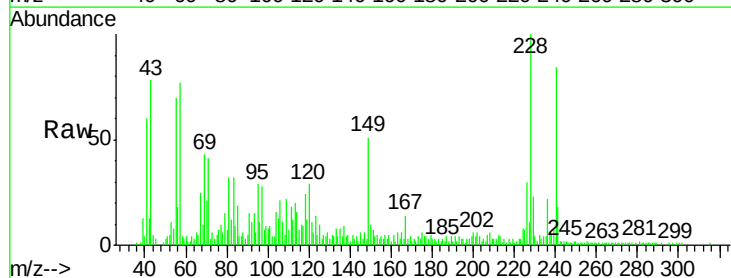
RT: 13.92 min Scan# 1035

Delta R.T. -0.03 min

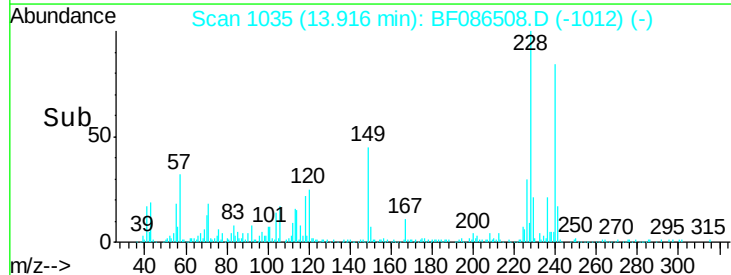
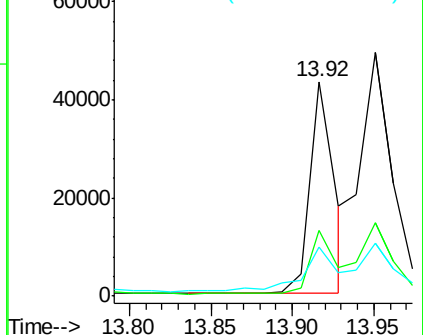
Lab File: BF086508.D

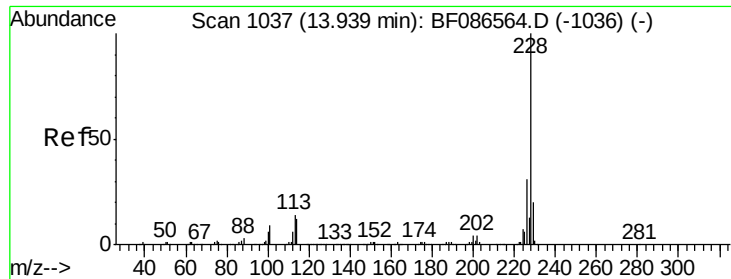
Acq: 29 Apr 2016 22:51

Tgt Ion:	228	Resp:	44806
Ion Ratio	Lower	Upper	
228	100		
226	30.4	22.5	33.7
229	22.7	16.6	25.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.14 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF086508.D

Acq: 29 Apr 2016 22:51

Instrument :

BNA_F

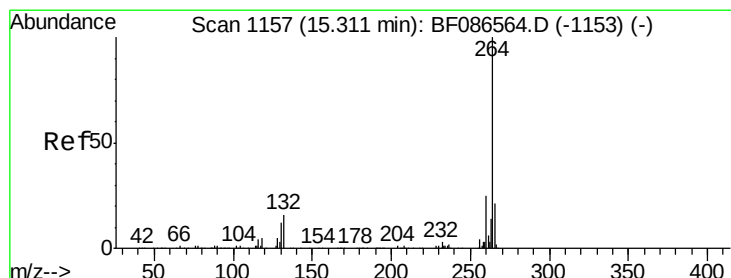
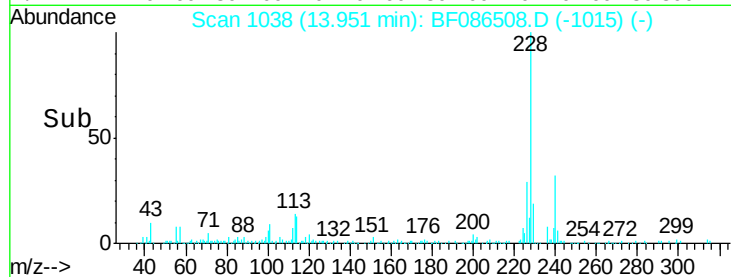
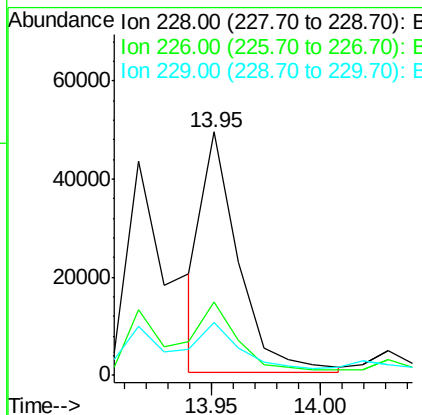
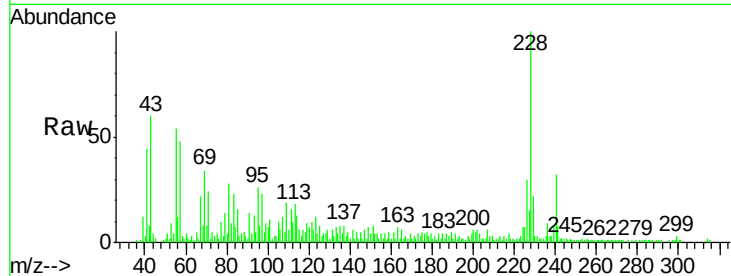
ClientSampleId :

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Tot Ion:	228	Resp:	55926
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.4	36.6
229	21.8	15.8	23.8

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#86

Perylene-d12

Concen: 20.00 ng

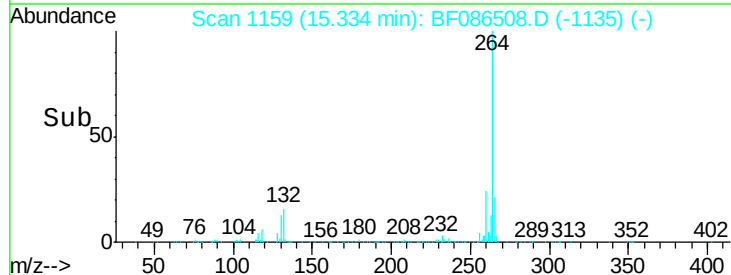
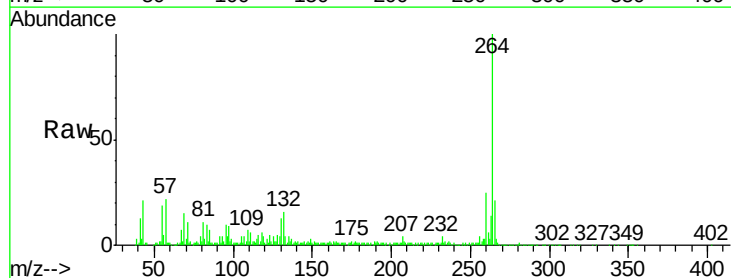
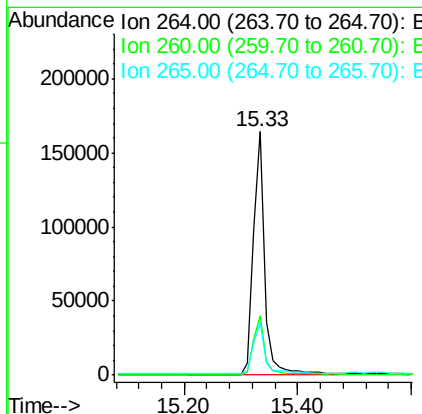
RT: 15.33 min Scan# 1159

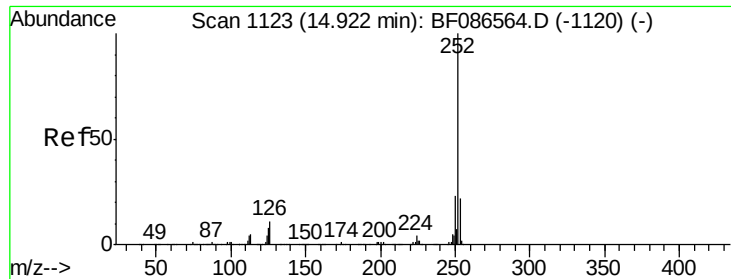
Delta R.T. -0.02 min

Lab File: BF086508.D

Acq: 29 Apr 2016 22:51

Tgt Ion:	264	Resp:	232525
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.5	29.3
265	21.5	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 4.83 ng m

RT: 14.93 min Scan# 1124

Delta R.T. -0.03 min

Lab File: BF086508.D

Acq: 29 Apr 2016 22:51

Instrument :

BNA_F

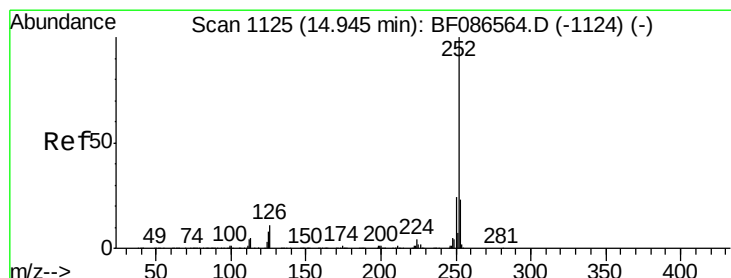
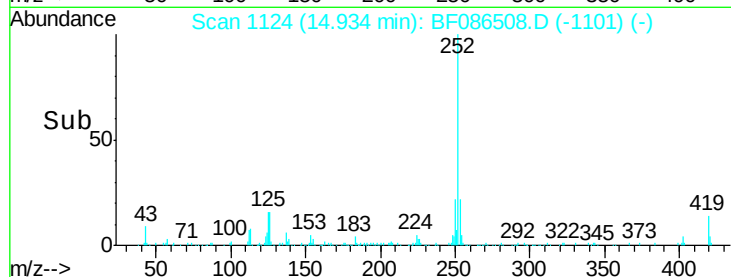
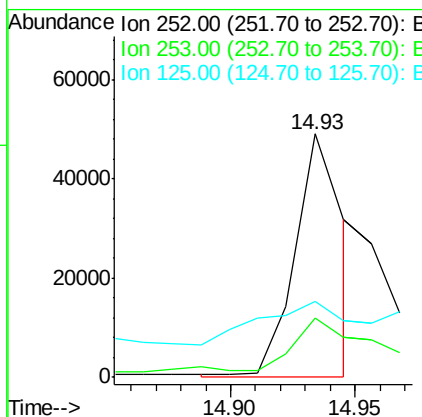
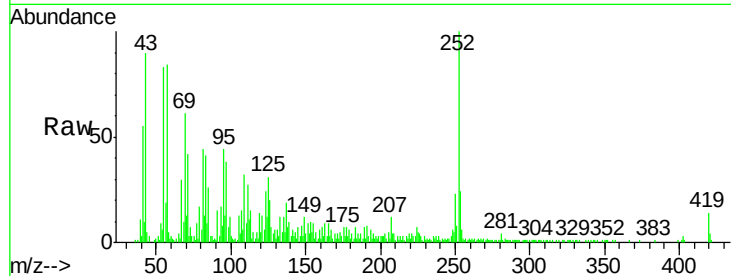
ClientSampleId :

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Tot Ion:	252	Resp:	66130
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.8	26.6
125	31.0	11.4	17.0#

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#88

Benzo(k)fluoranthene

Concen: 2.46 ng m

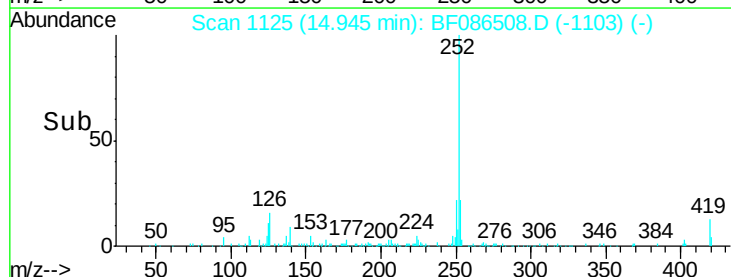
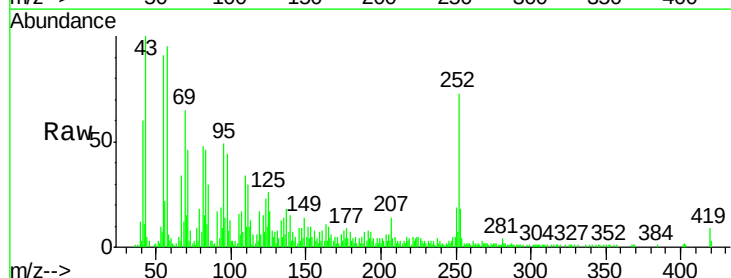
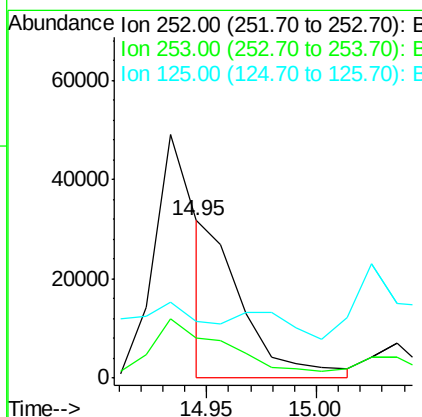
RT: 14.95 min Scan# 1125

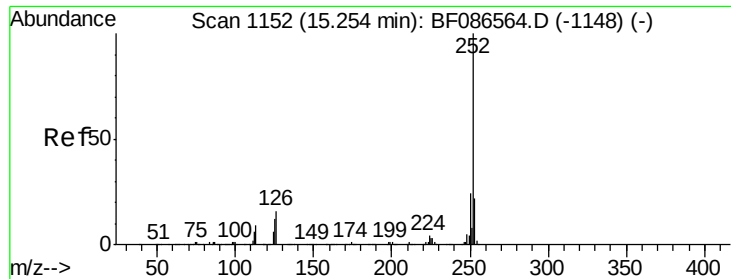
Delta R.T. -0.05 min

Lab File: BF086508.D

Acq: 29 Apr 2016 22:51

Tgt Ion:	252	Resp:	35156
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.8	26.6
125	35.9	9.1	13.7#





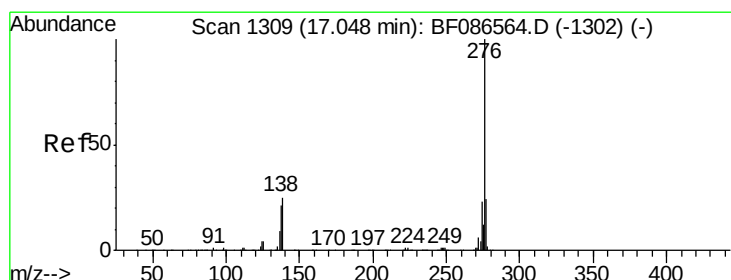
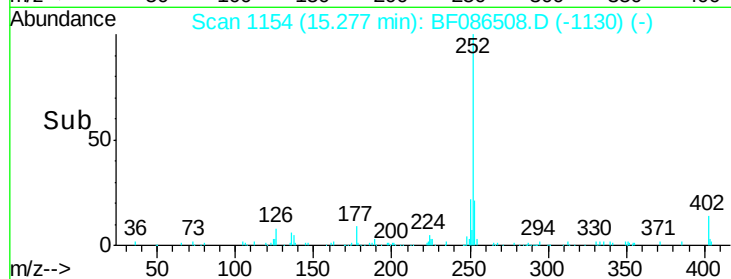
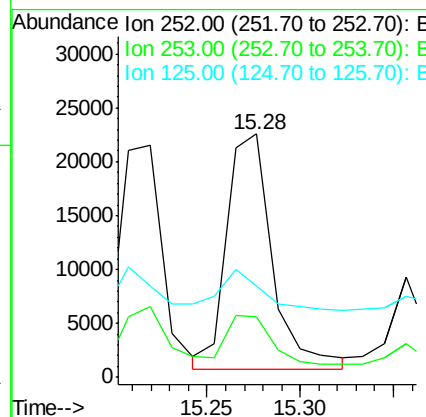
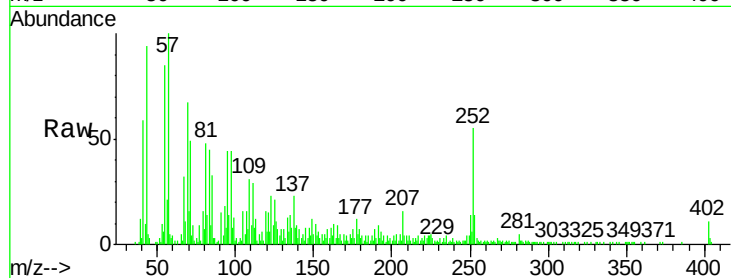
#89
Benzo(a)pyrene
Concen: 2.91 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF086508.D
Acq: 29 Apr 2016 22:51

Instrument :
BNA_F
ClientSampleId :
IM-TOPSOIL-007

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.2	25.8
125	37.5	9.0	13.6

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#91
Benzo(g,h,i)perylene
Concen: 2.27 ng
RT: 17.08 min Scan# 1312
Delta R.T. -0.05 min
Lab File: BF086508.D
Acq: 29 Apr 2016 22:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.6	29.4
138	37.3	23.6	35.4

