

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
 Data File : BF086509.D
 Acq On : 29 Apr 2016 23:20
 Operator : UM/SJ
 Sample : H2764-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IM-TOPSOIL-008

Manual Integrations
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Quant Time: Apr 30 02:10:24 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	155997	20.00	ng	-0.03
21) Naphthalene-d8	8.06	136	642711	20.00	ng	-0.03
38) Acenaphthene-d10	9.81	164	252803	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	415176	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	318940	20.00	ng	-0.03
86) Perylene-d12	15.33	264	246232	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1014538	112.18	ng	-0.02
7) Phenol-d6	6.42	99	1282553	101.61	ng	-0.02
23) Nitrobenzene-d5	7.34	82	850334	71.31	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	236007	88.53	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	1231945	85.36	ng	-0.03
78) Terphenyl-d14	12.89	244	871355	60.19	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.54	163	132639	6.97	ng	99
70) Phenanthrene	11.32	178	51027	2.34	ng	98
74) Fluoranthene	12.51	202	136340	6.20	ng	92
77) Pyrene	12.73	202	114517	4.98	ng	98
80) Benzo(a)anthracene	13.92	228	72698	4.28	ng	98
82) Chrysene	13.95	228	65256	3.53	ng	96
85) Indeno(1,2,3-cd)pyrene	16.67	276	30260	2.21	ng	98
87) Benzo(b)fluoranthene	14.93	252	72796m	5.03	ng	
88) Benzo(k)fluoranthene	14.95	252	41383m	2.74	ng	
89) Benzo(a)pyrene	15.28	252	48087	3.52	ng	# 80
91) Benzo(g,h,i)perylene	17.08	276	26445	2.36	ng	# 88

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

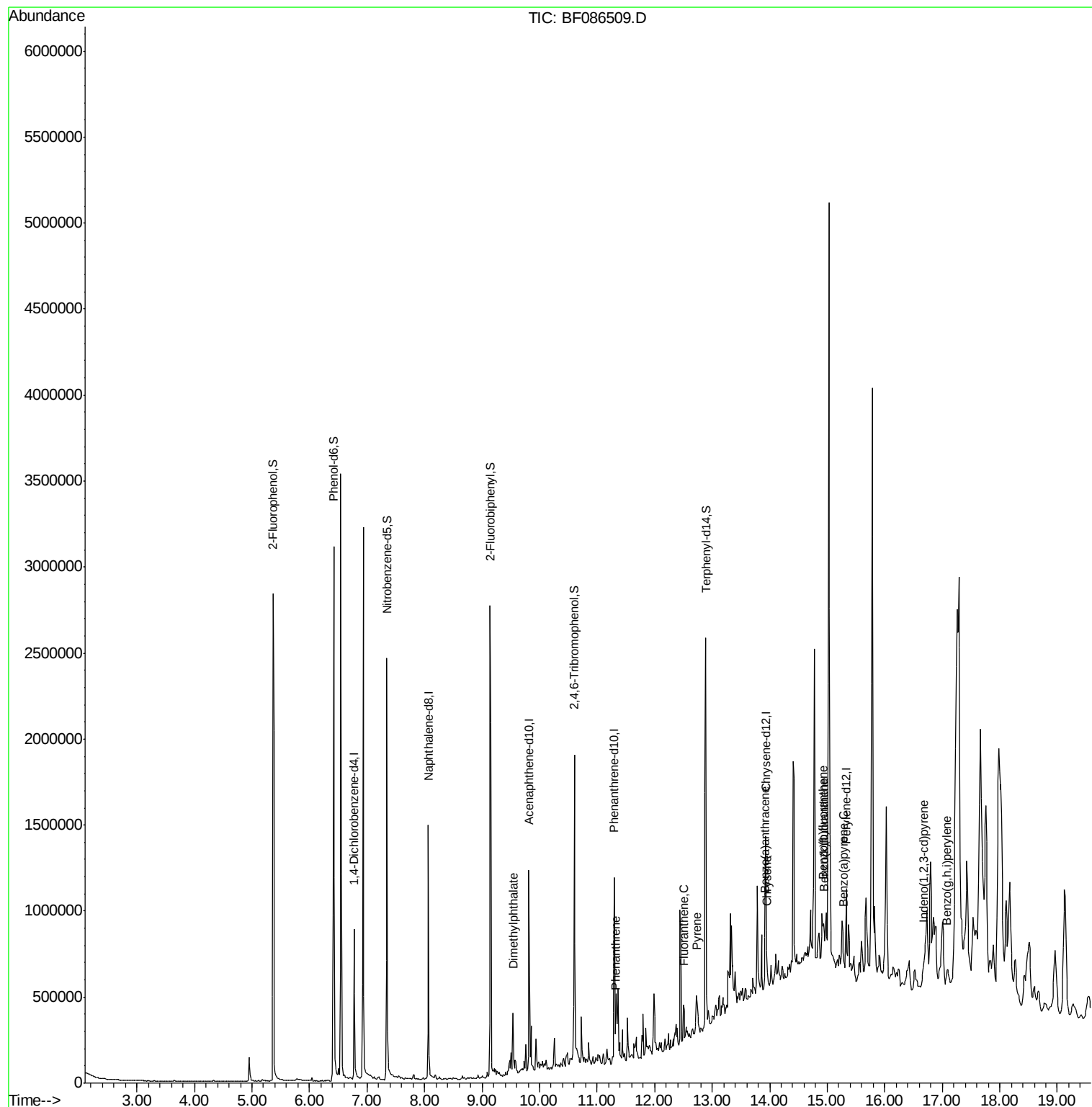
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042916\
Data File : BF086509.D
Acq On : 29 Apr 2016 23:20
Operator : UM/SJ
Sample : H2764-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

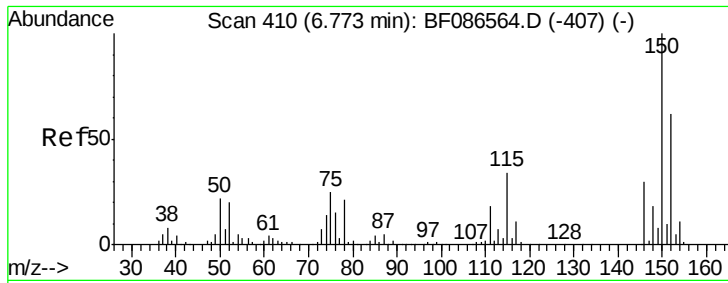
Instrument :
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ClientSampleId :
IM-TOPSOIL-008

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Quant Time: Apr 30 02:10:24 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

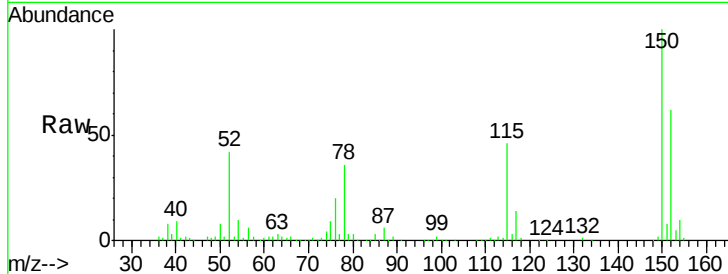
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 410
Delta R.T. -0.03 min
Lab File: BF086509.D
Acq: 29 Apr 2016 23:20

Instrument :
BNA_F
ClientSampleId :
IM-TOPSOIL-008

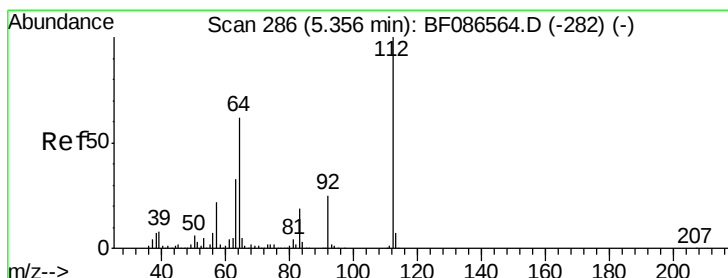
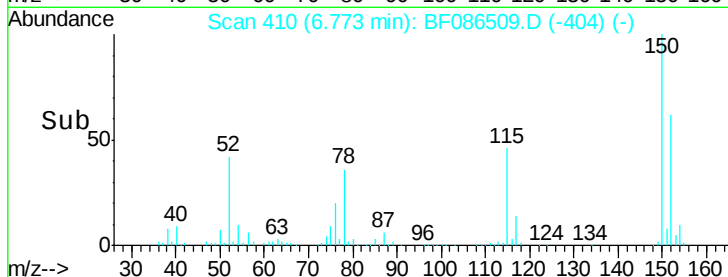
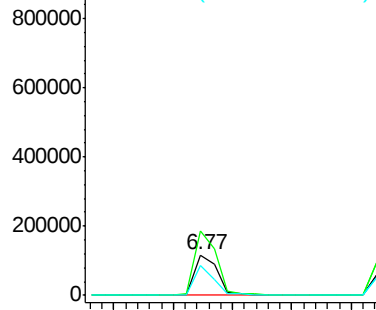
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	125.8	188.6
115	73.6	51.5	77.3

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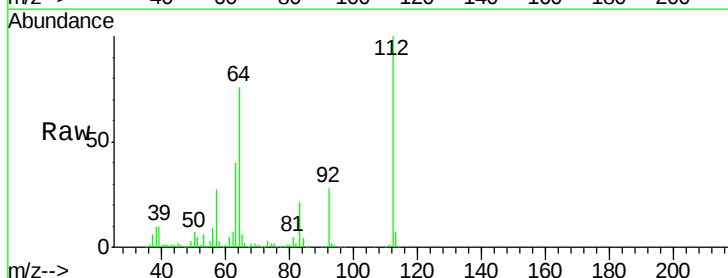
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



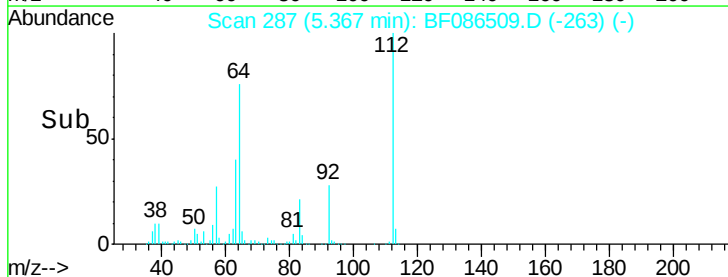
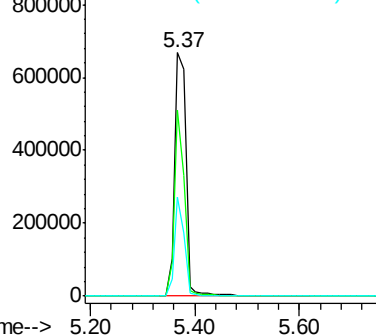
#5

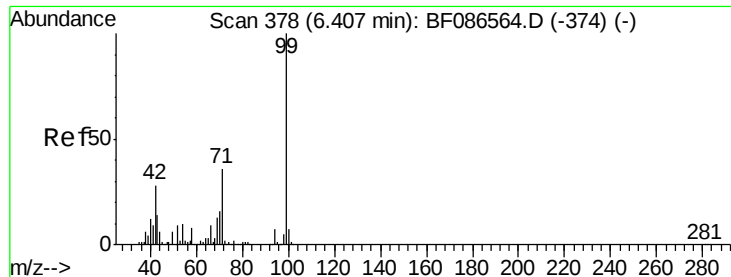
2-Fluorophenol
Concen: 112.18 ng
RT: 5.37 min Scan# 287
Delta R.T. -0.02 min
Lab File: BF086509.D
Acq: 29 Apr 2016 23:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.3	52.1	78.1
63	40.4	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: 101.61 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF086509.D

Acq: 29 Apr 2016 23:20

Instrument :

BNA_F

ClientSampleId :

IM-TOPSOIL-008

Tot Ion: 99 Resp: 1282553

Ion Ratio Lower Upper

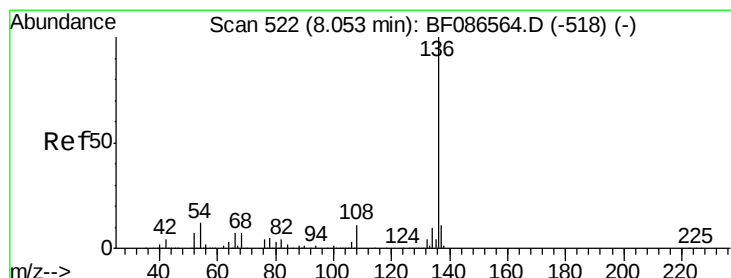
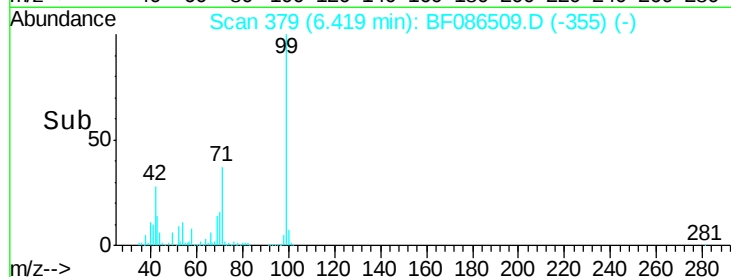
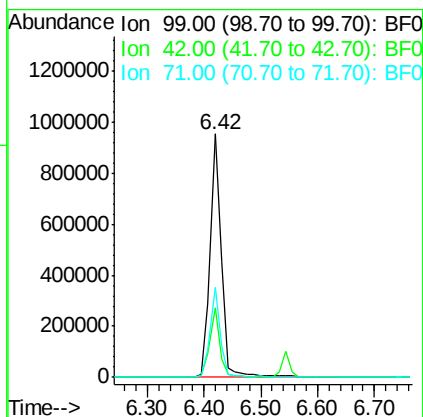
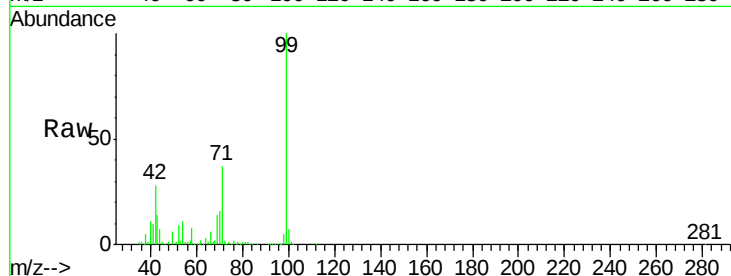
99 100

42 28.3 13.6 20.4#

71 37.2 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: BF086509.D

Acq: 29 Apr 2016 23:20

Tgt Ion: 136 Resp: 642711

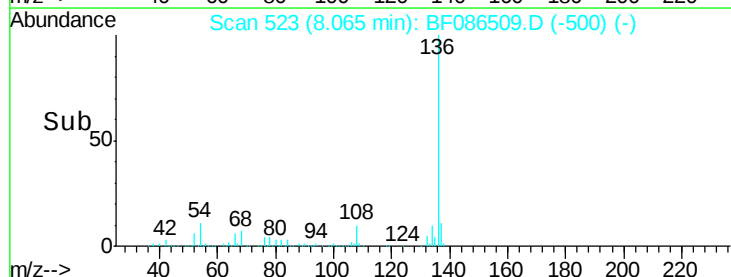
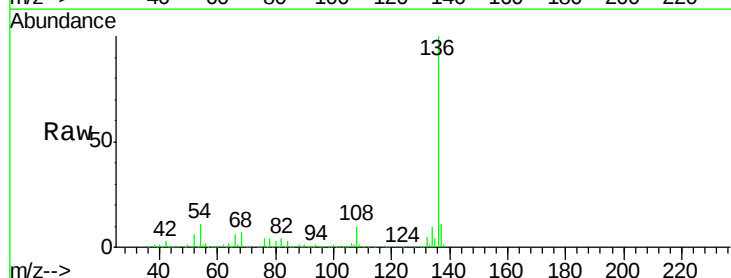
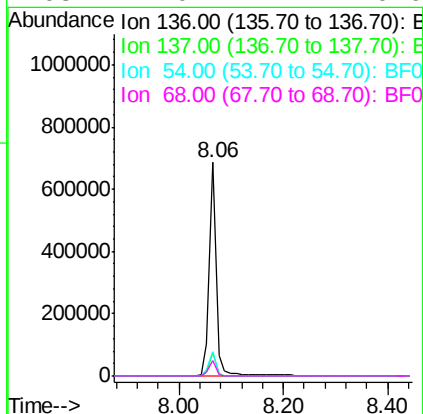
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 11.5 5.0 7.4#

68 7.0 4.4 6.6#





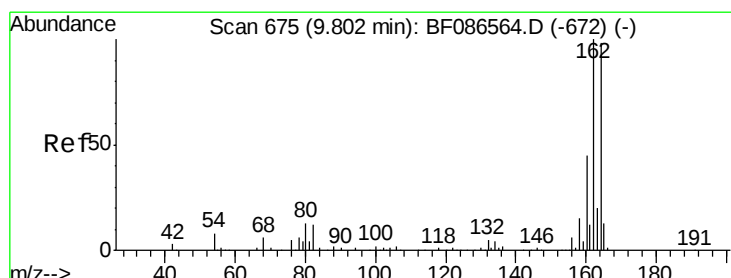
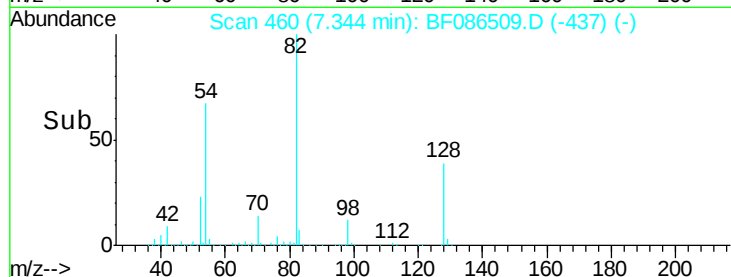
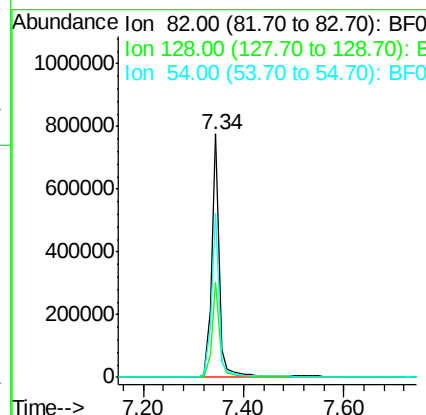
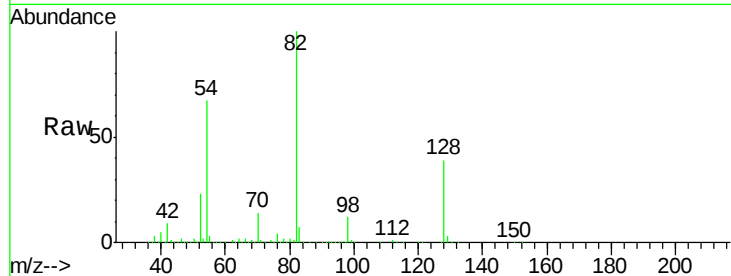
#23
 Nitrobenzene-d5
 Concen: 71.31 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.03 min
 Lab File: BF086509.D
 Acq: 29 Apr 2016 23:20

Instrument :
 BNA_F
 ClientSampleID :
 IM-TOPSOIL-008

Tot Ion	82	Resp	850334
Ion Ratio	100	Lower	Upper
82	100		
128	39.2	40.6	61.0#
54	67.3	38.1	57.1#

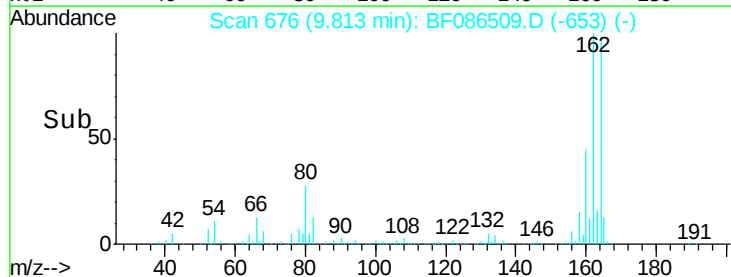
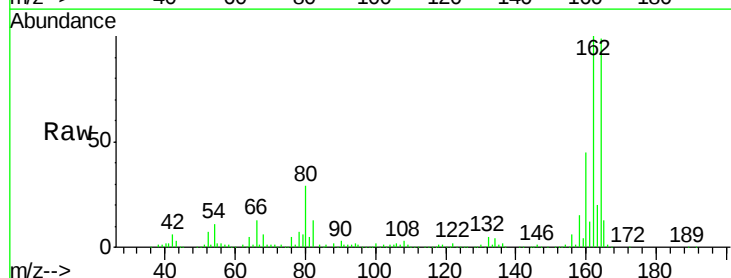
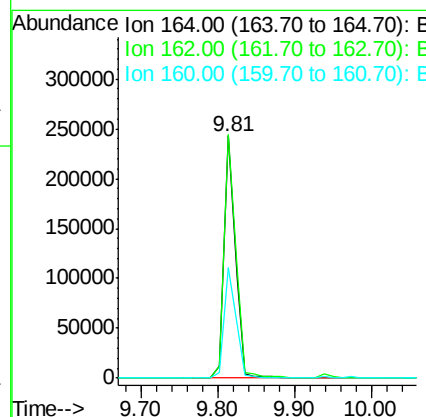
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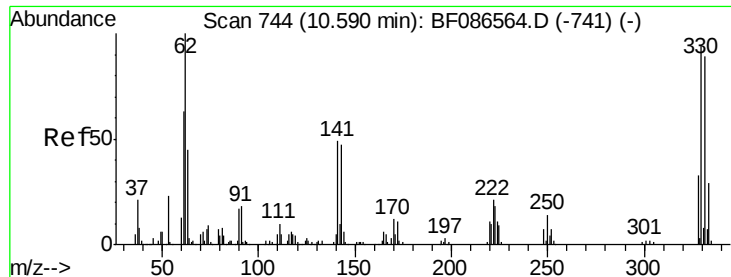
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.03 min
 Lab File: BF086509.D
 Acq: 29 Apr 2016 23:20

Tgt Ion	164	Resp	252803
Ion Ratio	100	Lower	Upper
164	100		
162	100.7	82.8	124.2
160	45.7	36.9	55.3





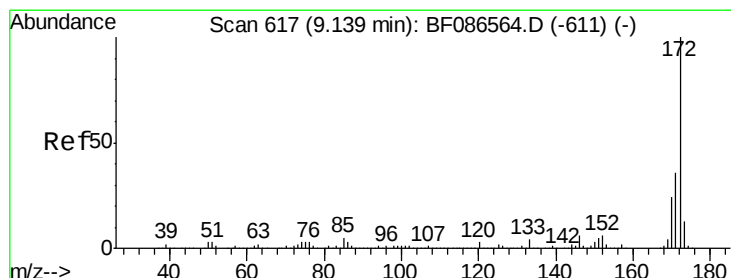
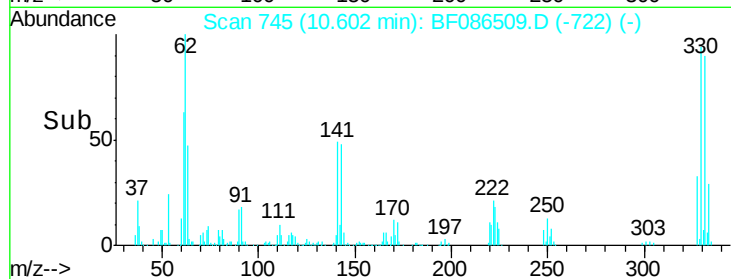
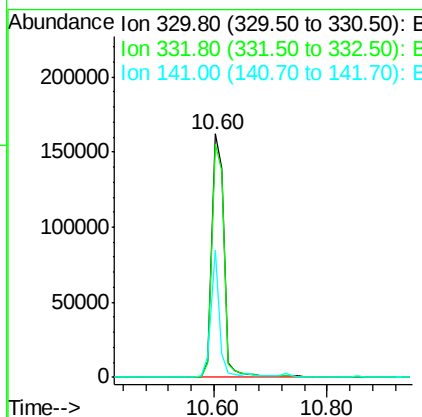
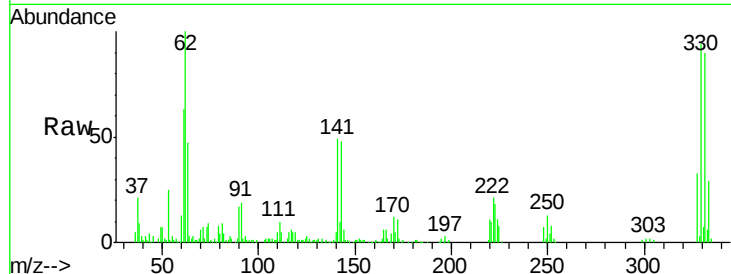
#41
 2,4,6-Tribromophenol
 Concen: 88.53 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.03 min
 Lab File: BF086509.D
 Acq: 29 Apr 2016 23:20

Instrument :
 BNA_F
 ClientSampleId :
 IM-TOPSOIL-008

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.0	118.4
141	36.0	31.2	46.8

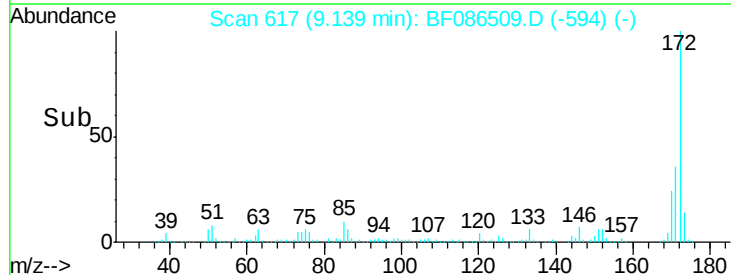
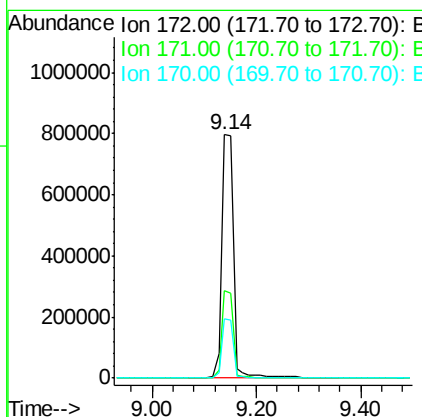
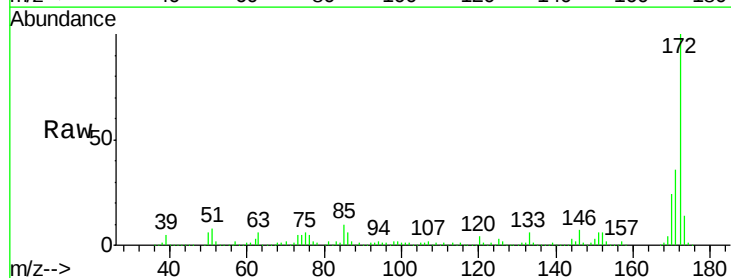
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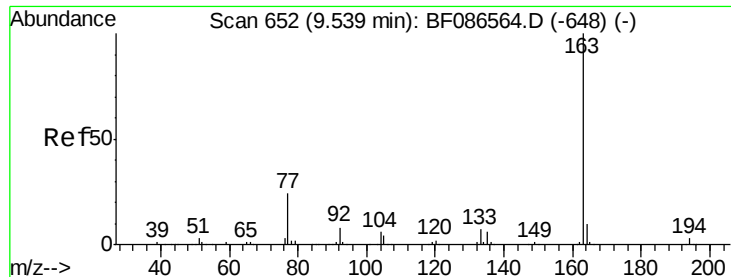
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#44
 2-Fluorobiphenyl
 Concen: 85.36 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: BF086509.D
 Acq: 29 Apr 2016 23:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.6
170	24.3	19.8	29.8





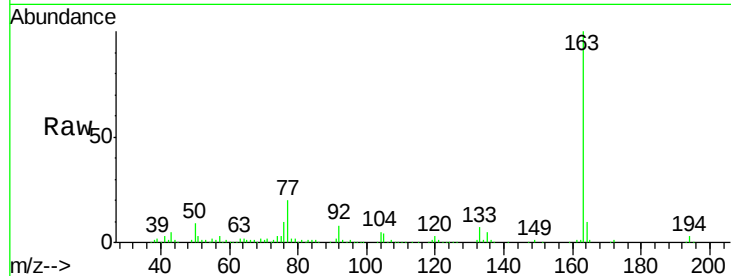
#49
Dimethylphthalate
Concen: 6.97 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF086509.D
Acq: 29 Apr 2016 23:20

Instrument :
BNA_F
ClientSampleId :
IM-TOPSOIL-008

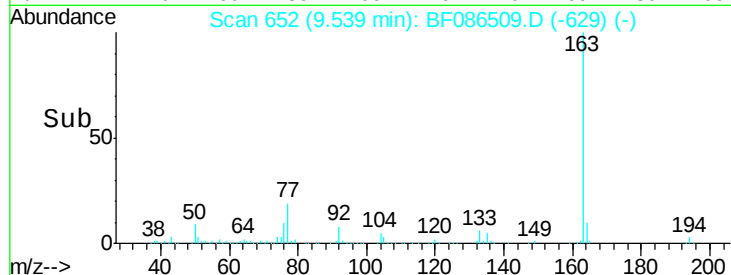
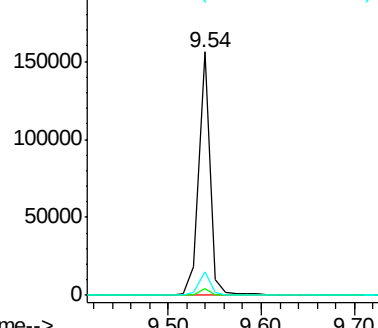
Tot Ion	Ratio	Resp	Lower	Upper
163	100	132639		
194	3.0	2.6	4.0	
164	9.8	8.2	12.4	

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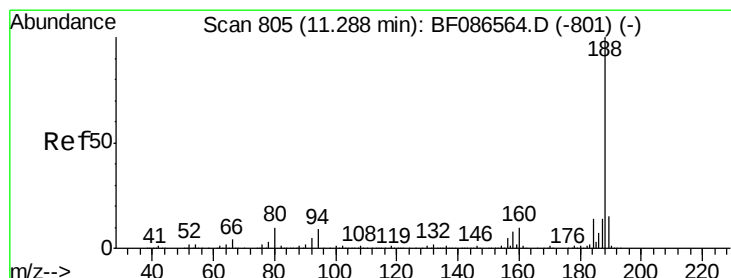
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

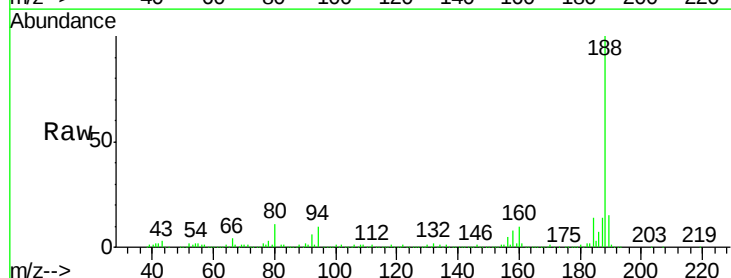


Time-->

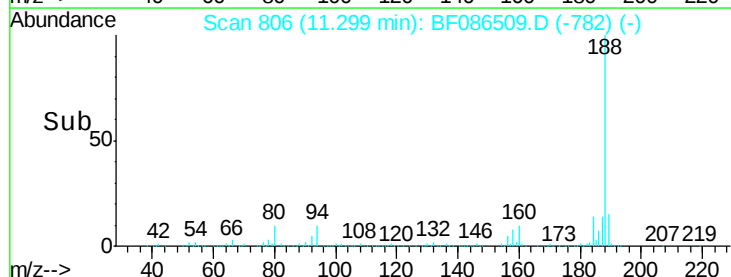
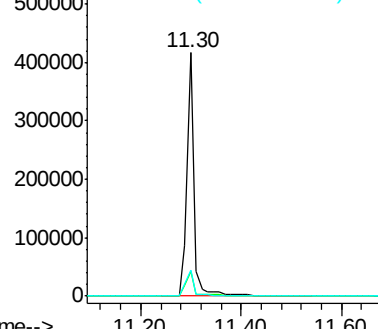


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF086509.D
Acq: 29 Apr 2016 23:20

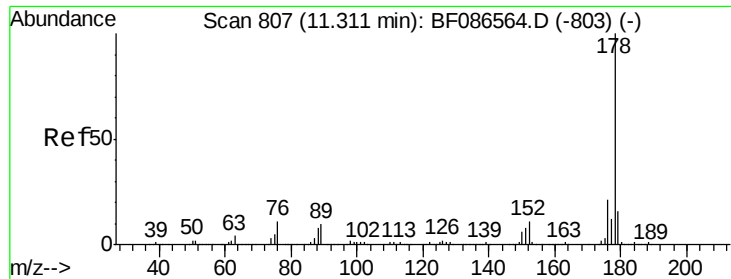
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	415176		
94	10.0	6.8	10.2	
80	10.5	7.1	10.7	



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



Time-->



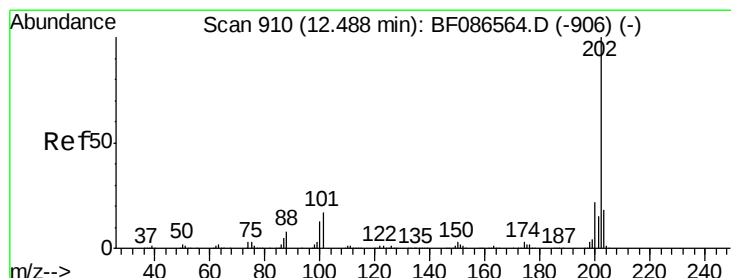
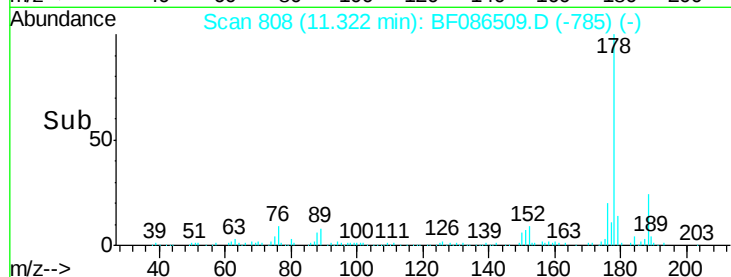
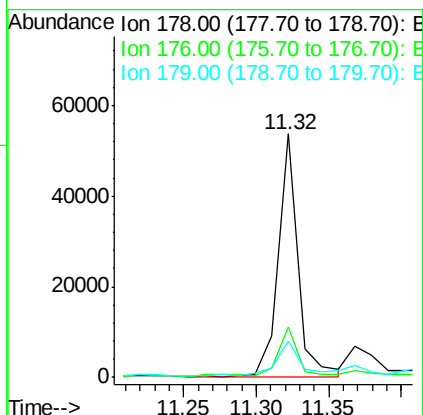
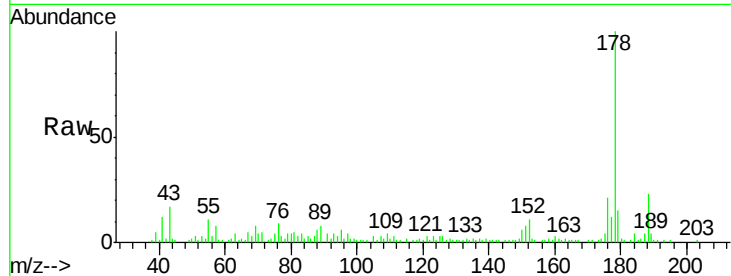
#70
Phenanthrene
Concen: 2.34 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.03 min
Lab File: BF086509.D
Acq: 29 Apr 2016 23:20

Instrument :
BNA_F
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IM-TOPSOIL-008

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.7	16.0	24.0
179	14.9	12.6	18.8

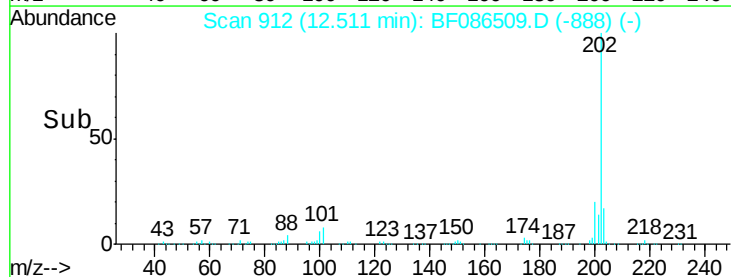
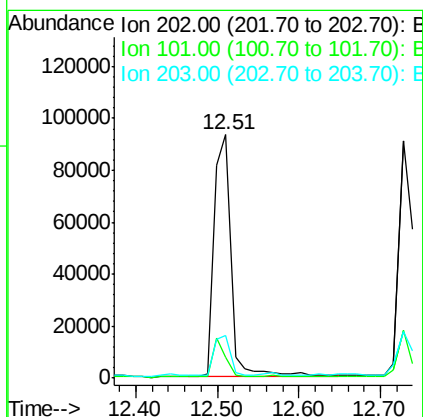
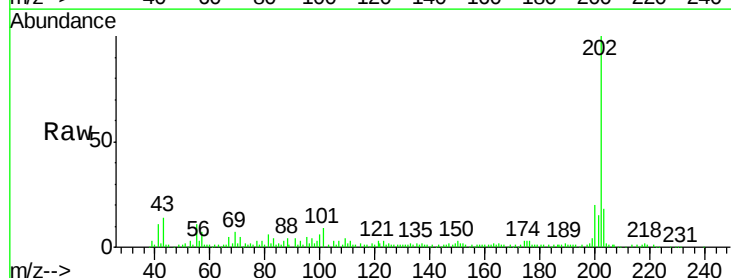
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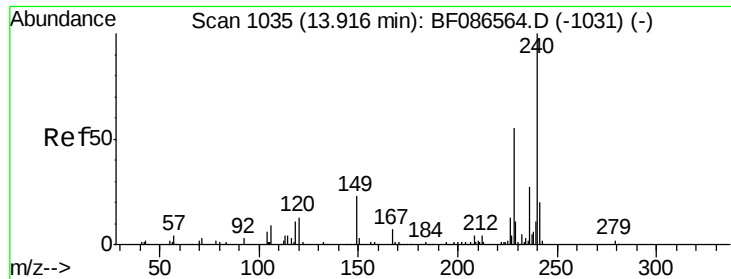
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#74
Fluoranthene
Concen: 6.20 ng
RT: 12.51 min Scan# 912
Delta R.T. -0.02 min
Lab File: BF086509.D
Acq: 29 Apr 2016 23:20

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	35.4
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF086509.D

Acq: 29 Apr 2016 23:20

Instrument :

BNA_F

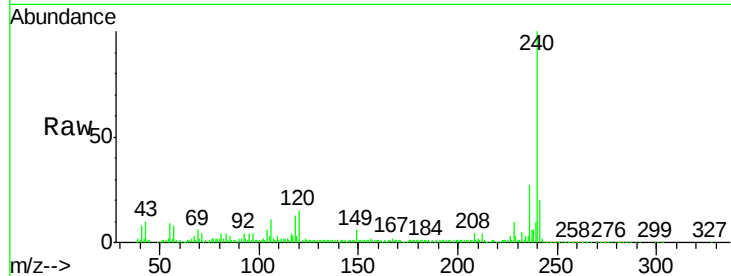
ClientSampleId :

IM-TOPSOIL-008

Tot Ion:	240	Resp:	318940
Ion Ratio	Lower	Upper	
240	100		
120	14.9	11.2	16.8
236	27.1	21.2	31.8

Manual Integrations
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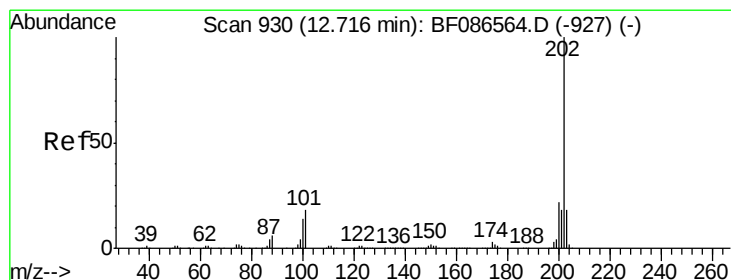
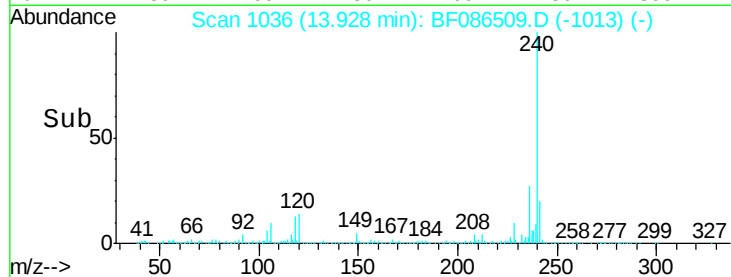
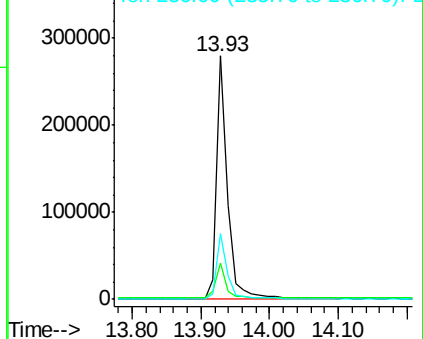
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.98 ng

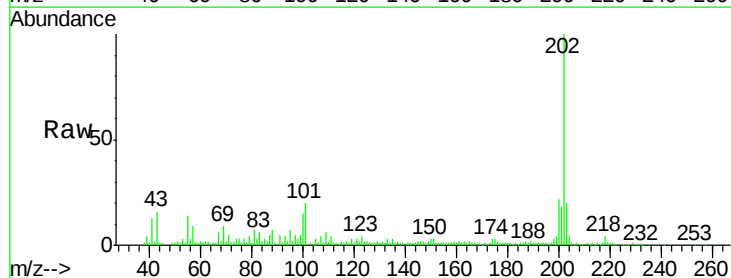
RT: 12.73 min Scan# 931

Delta R.T. -0.03 min

Lab File: BF086509.D

Acq: 29 Apr 2016 23:20

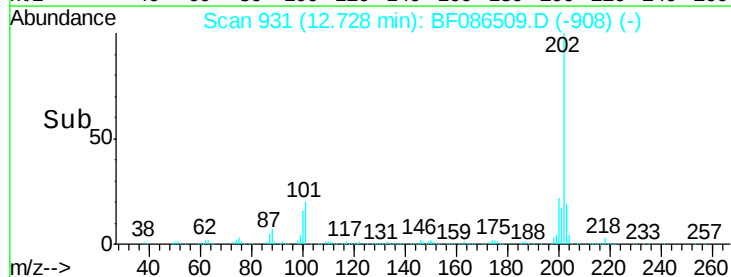
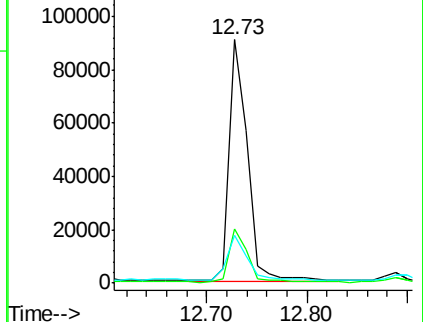
Tgt Ion:	202	Resp:	114517
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.7	26.5
203	19.7	14.2	21.4

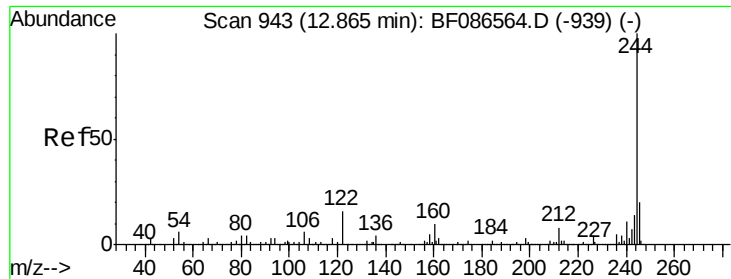


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.19 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF086509.D

Acq: 29 Apr 2016 23:20

Instrument :

BNA_F

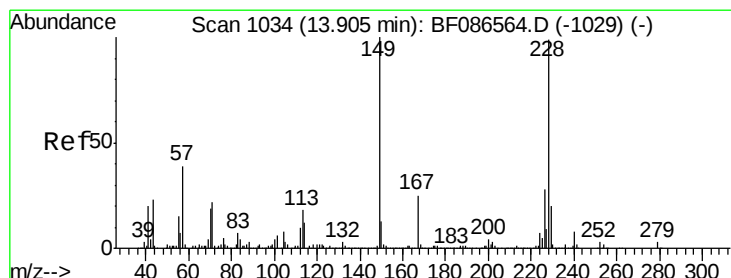
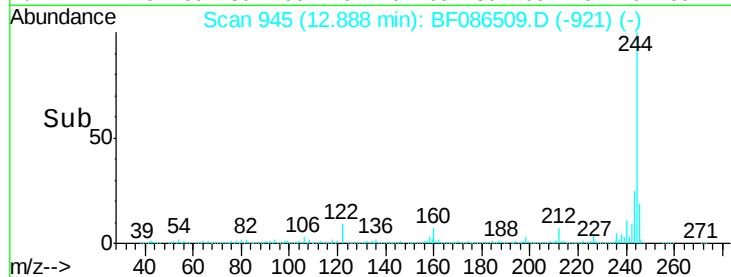
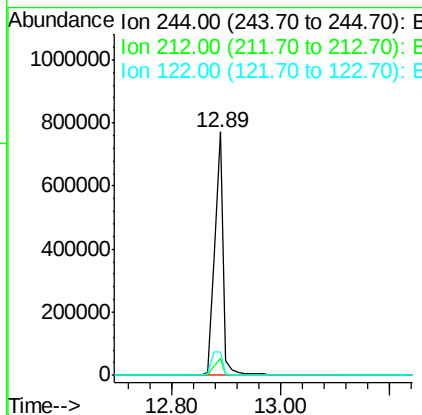
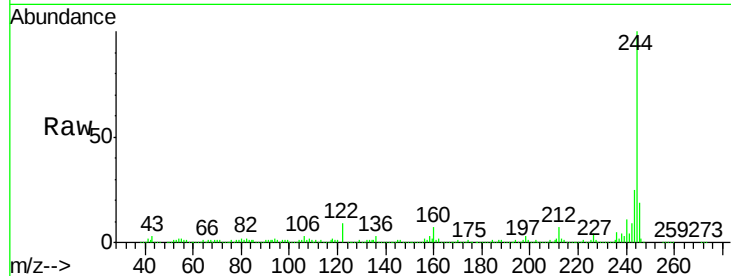
ClientSampled :

IM-TOPSOIL-008

Tot Ion:	244	Resp:	871355
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.2	9.2
122	9.5	12.0	18.0#

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#80

Benzo(a)anthracene

Concen: 4.28 ng

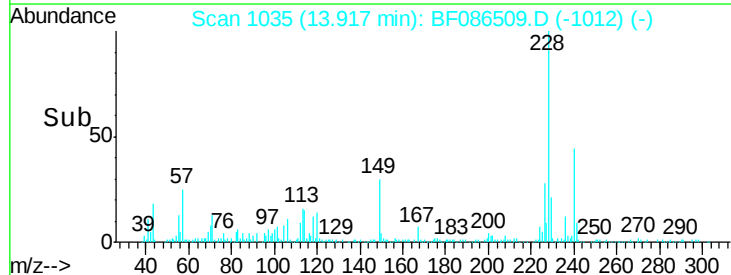
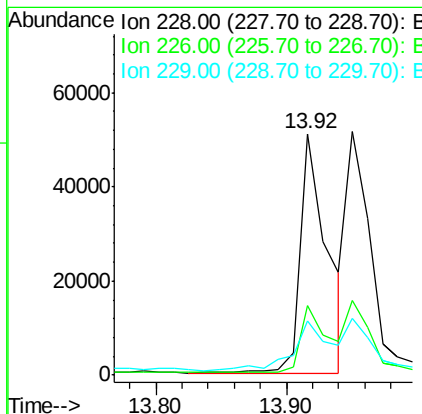
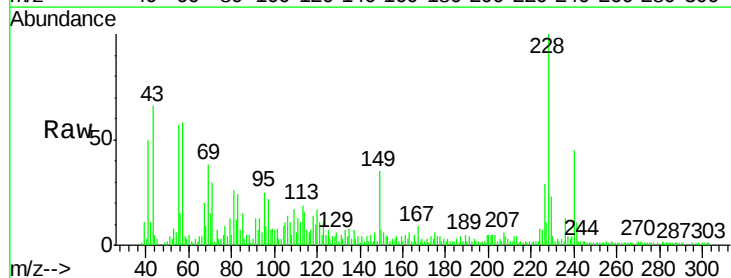
RT: 13.92 min Scan# 1035

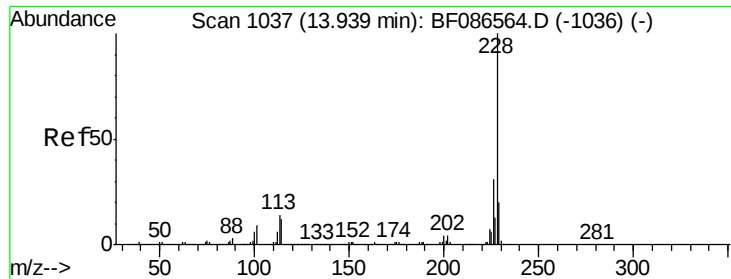
Delta R.T. -0.03 min

Lab File: BF086509.D

Acq: 29 Apr 2016 23:20

Tgt Ion:	228	Resp:	72698
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.5	33.7
229	22.6	16.6	25.0





#82

Chrysene

Concen: 3.53 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.03 min

Lab File: BF086509.D

Acq: 29 Apr 2016 23:20

Instrument :

BNA_F

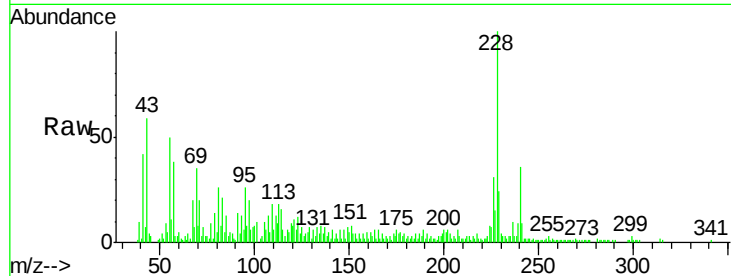
ClientSampleId :

IM-TOPSOIL-008

Tot Ion:	228	Resp:	65256
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.4	36.6
229	23.6	15.8	23.8

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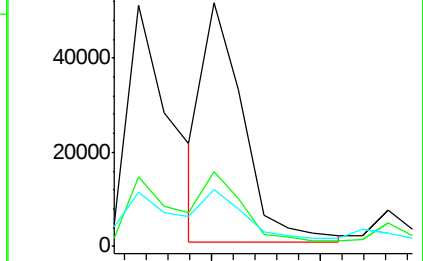
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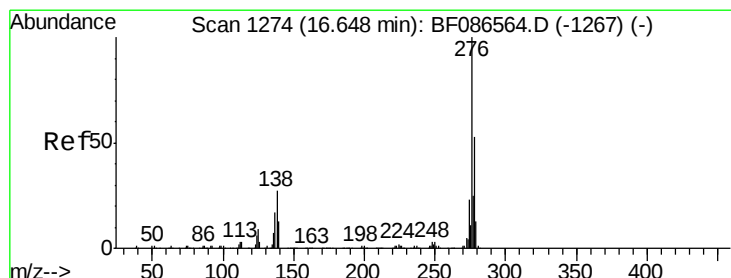
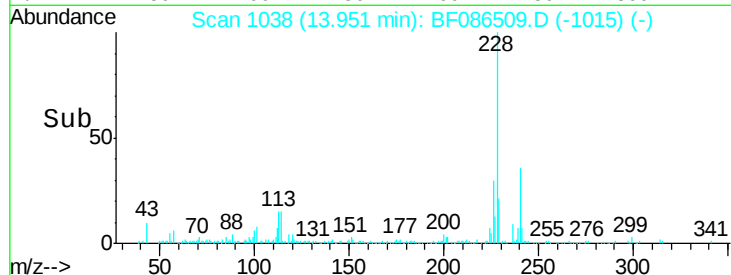
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.21 ng

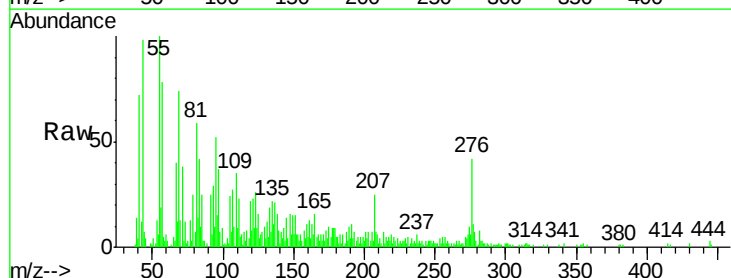
RT: 16.67 min Scan# 1276

Delta R.T. -0.05 min

Lab File: BF086509.D

Acq: 29 Apr 2016 23:20

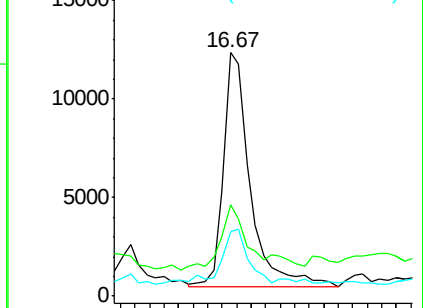
Tgt Ion:	276	Resp:	30260
Ion Ratio	Lower	Upper	
276	100		
138	32.9	25.6	38.4
277	27.3	20.5	30.7



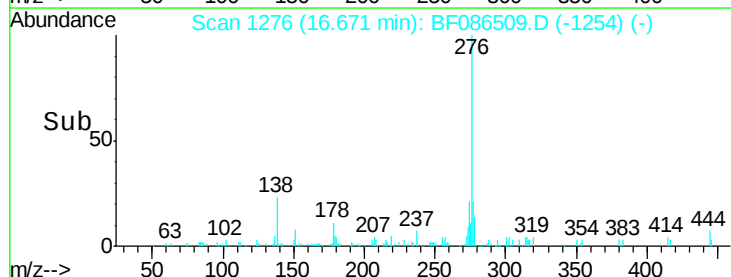
Abundance Ion 276.00 (275.70 to 276.70): E

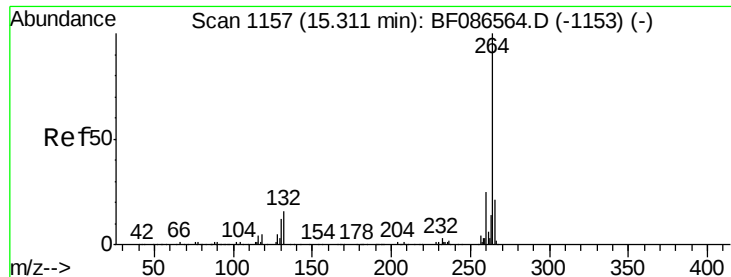
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->





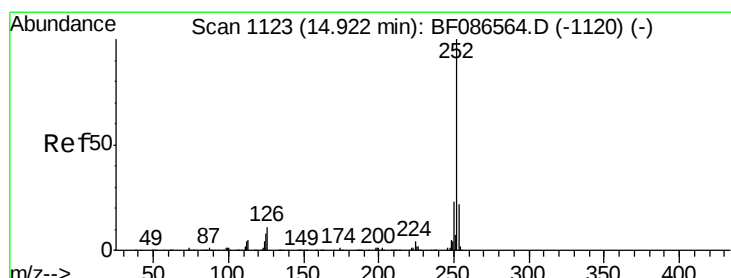
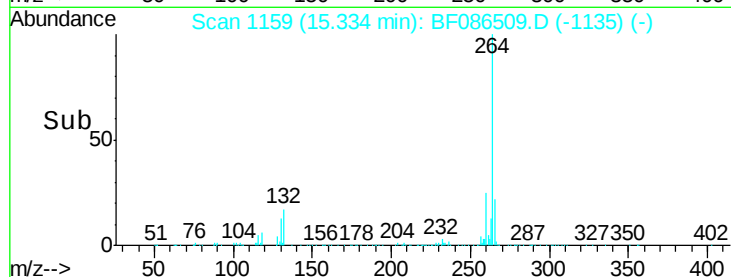
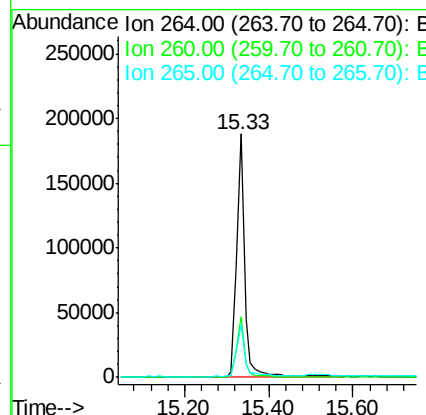
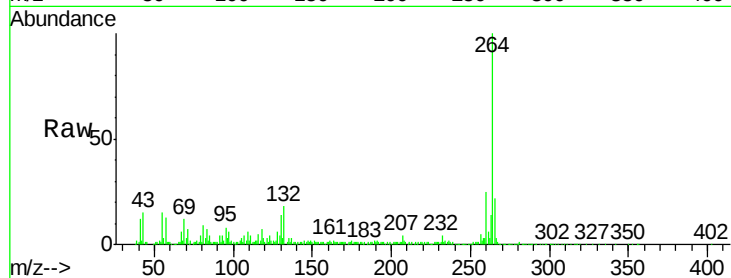
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BF086509.D
Acq: 29 Apr 2016 23:20

Instrument :
BNA_F
ClientSampleId :
IM-TOPSOIL-008

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	21.9	17.3	25.9

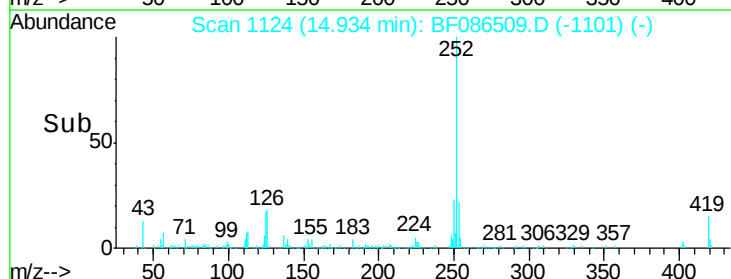
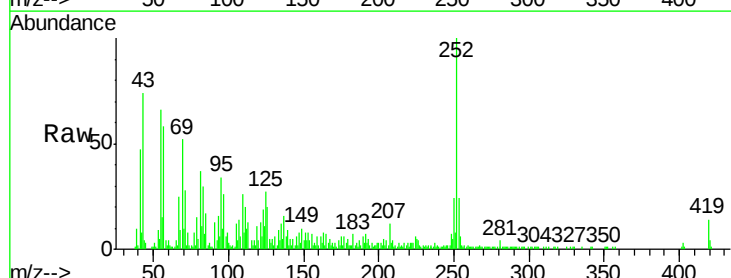
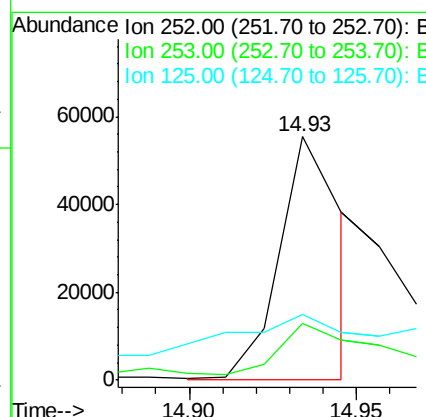
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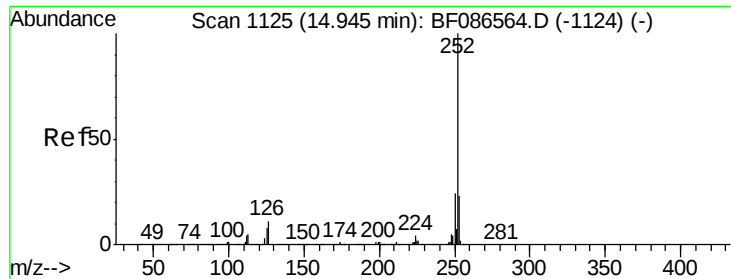
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#87
Benzo(b)fluoranthene
Concen: 5.03 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF086509.D
Acq: 29 Apr 2016 23:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	26.9	11.4	17.0





#88

Benzo(k)fluoranthene

Concen: 2.74 ng/mL

RT: 14.95 min Scan# 1125

Delta R.T. -0.05 min

Lab File: BF086509.D

Acq: 29 Apr 2016 23:20

Instrument :

BNA_F

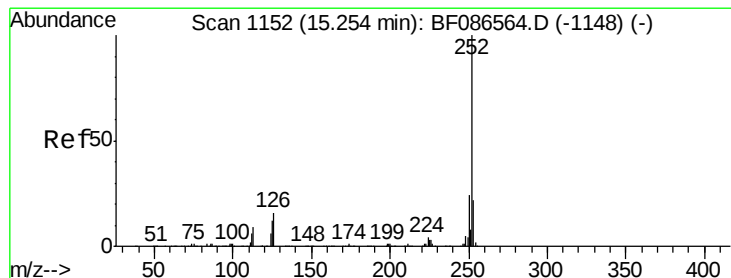
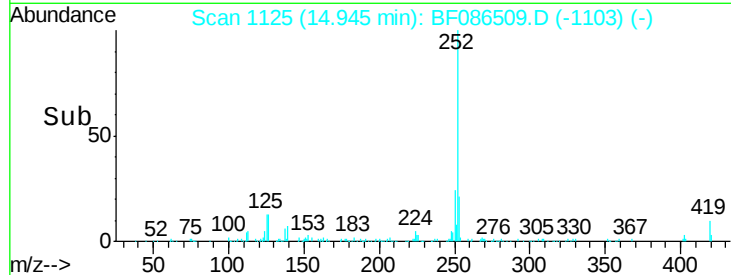
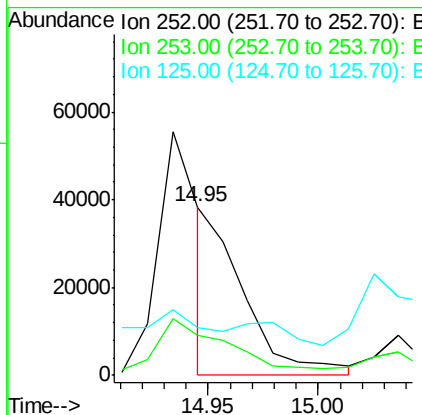
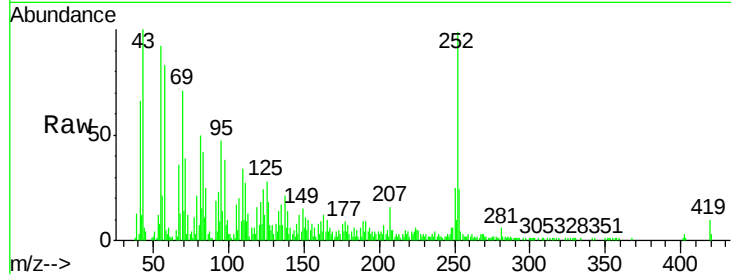
ClientSampleId :

IM-TOPSOIL-008

Tot Ion:	252	Resp:	41383
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.6
125	28.5	9.1	13.7#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 3.52 ng/mL

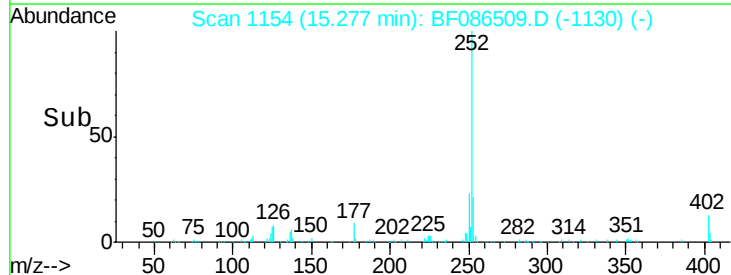
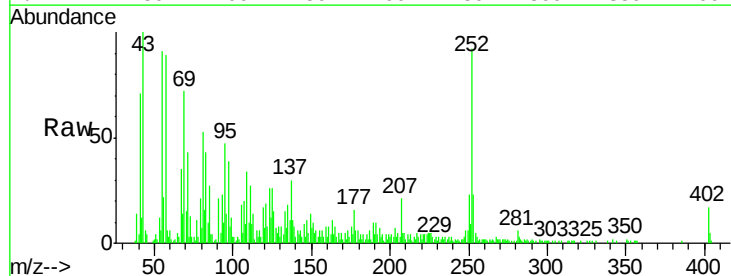
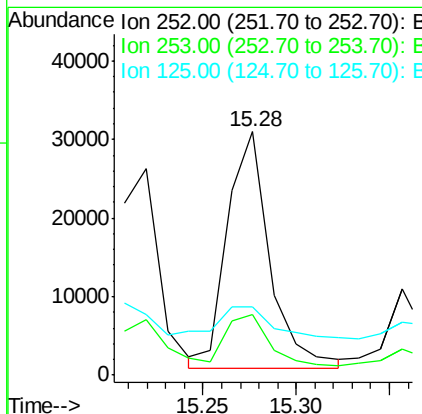
RT: 15.28 min Scan# 1154

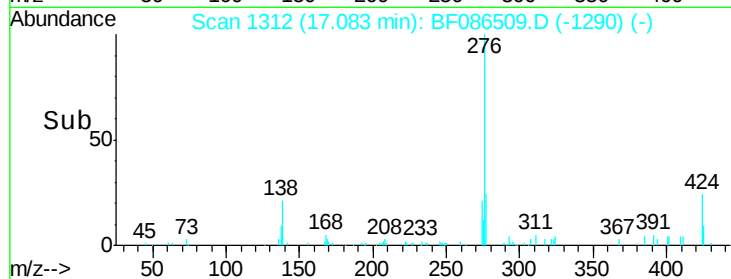
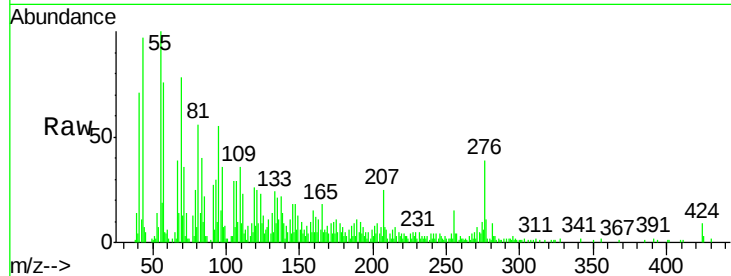
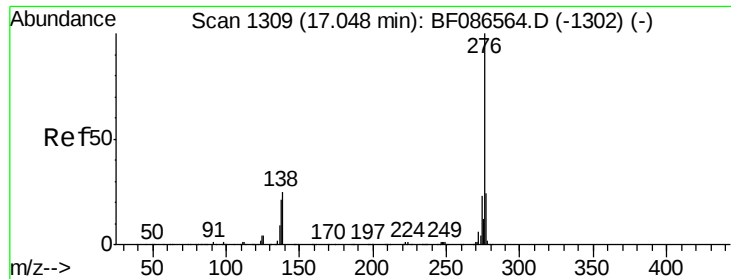
Delta R.T. -0.02 min

Lab File: BF086509.D

Acq: 29 Apr 2016 23:20

Tgt Ion:	252	Resp:	48087
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.2	25.8
125	28.3	9.0	13.6#





#91
 Benzo(a,h,i)perylene
 Concen: 2.36 ng
 RT: 17.08 min Scan# 1312
 Delta R.T. -0.05 min
 Lab File: BF086509.D
 Acq: 29 Apr 2016 23:20

Instrument :
 BNA_F
 ClientSampleId :
 IM-TOPSOIL-008

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.1	19.6	29.4
138	36.9	23.6	35.4

Manual Integrations
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