

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040715\
 Data File : BM000896.D
 Acq On : 08 Apr 2015 01:57
 Operator : TP/IZ
 Sample : G1614-04
 Misc : L00-SOIL-0.2PPM
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2015-02

Manual Integrations
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 4/9/2015 8:11:38 AM

Quant Time: Apr 08 05:46:04 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM040715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 07 15:59:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	27560	5.00	ng	-0.04
11) Naphthalene-d8	10.39	136	138725	5.00	ng	0.00
19) Acenaphthene-d10	14.26	164	76577	5.00	ng	0.00
26) Phenanthrene-d10	17.00	188	193994	5.00	ng	0.00
30) Chrysene-d12	21.19	240	139872	5.00	ng	0.00
34) Perylene-d12	23.39	264	129490	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	124468	13.46	ng	-0.02
5) Phenol-d6	6.77	99	218746	11.52	ng	0.00
12) Nitrobenzene-d5	8.73	82	63519	9.18	ng	-0.04
20) 2,4,6-Tribromophenol	15.77	330	31870	9.93	ng	0.02
23) 2-Fluorobiphenyl	12.87	172	249851	10.58	ng	0.00
32) Terphenyl-d14	19.65	244	193966	11.24	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.12	88	779	0.07	ng	# 70
3) n-Nitrosodimethylamine	3.46	42	483	0.30	ng	# 5
6) 2-Chlorophenol	7.17	128	1969	0.30	ng	91
7) Phenol	6.81	94	1381	0.12	ng	75
8) bis(2-Chloroethyl)ether	7.02	93	1627	0.30	ng	# 78
9) 2-Methylphenol	8.06	107	1124	0.13	ng	# 93
10) 3+4-Methylphenols	8.38	107	1428	0.32	ng	94
13) Nitrobenzene	8.80	77	1274	0.18	ng	# 58
14) 2-Nitrophenol	9.52	139	412m	0.22	ng	
15) 2,4-Dimethylphenol	9.58	122	868	0.11	ng	88
16) 2,4-Dichlorophenol	10.04	162	1046	0.32	ng	86
17) Hexachlorobutadiene	10.72	225	874	0.14	ng	98
18) 4-Chloro-3-methylphenol	11.69	107	965	0.32	ng	# 79
21) 2,4,6-Trichlorophenol	12.69	196	591	0.33	ng	# 96
22) 2,4,5-Trichlorophenol	12.77	196	681m	0.29	ng	
25) 4-Nitrophenol	14.52	139	93	0.19	ng	81
27) 4,6-Dinitro-2-methylphenol	15.41	198	75	0.20	ng	# 1
28) Hexachlorobenzene	16.33	284	982	0.08	ng	# 75
29) Pentachlorophenol	16.67	266	91	0.55	ng	# 83
31) Benzidine	19.28	184	671	0.12	ng	# 58
33) 3,3'-Dichlorobenzidine	21.13	252	1270	0.15	ng	# 86

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

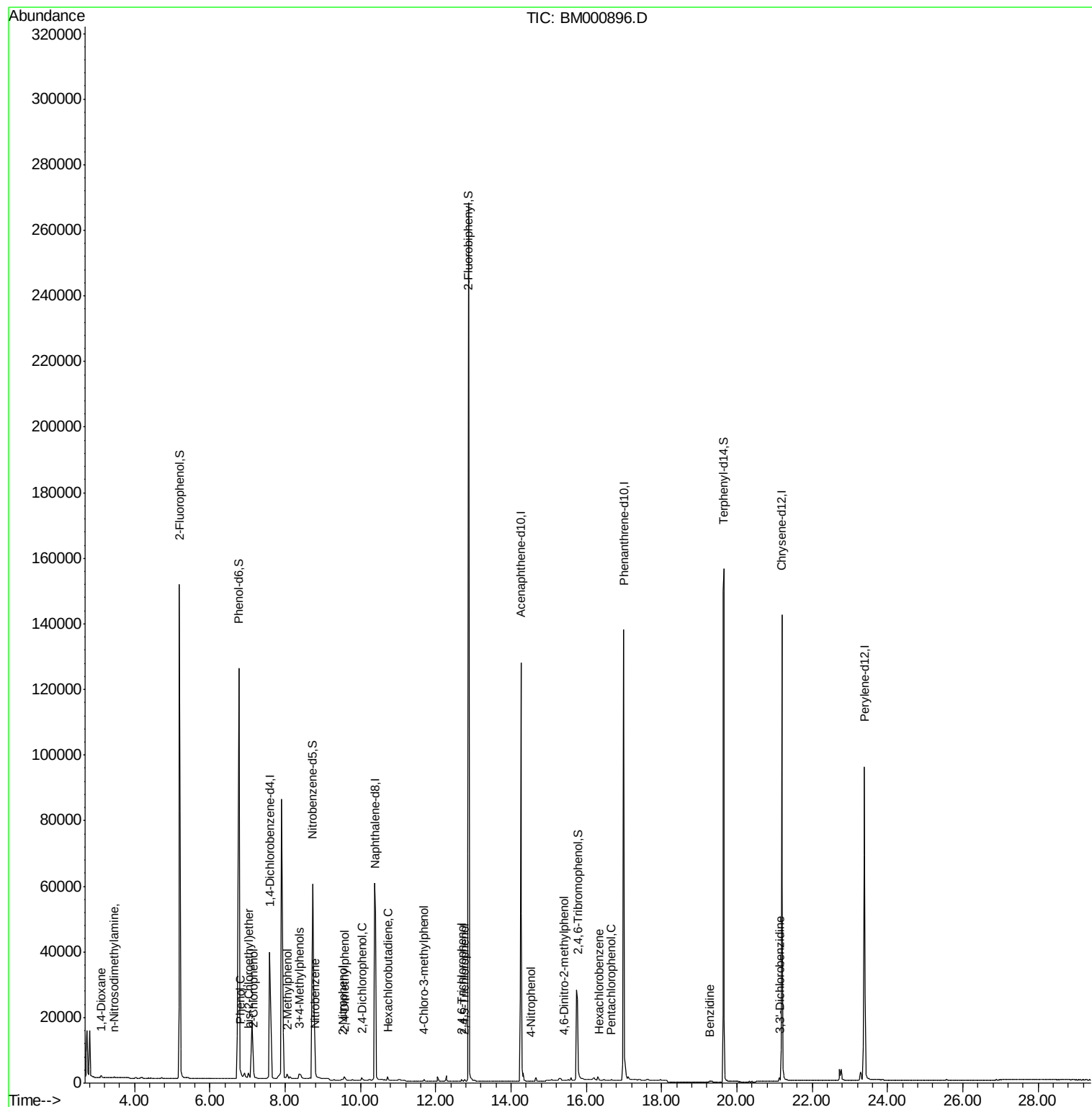
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040715\
Data File : BM000896.D
Acq On : 08 Apr 2015 01:57
Operator : TP/IZ
Sample : G1614-04
Misc : LOO-SOIL-0.2PPM
ALS Vial : 56 Sample Multiplier: 1

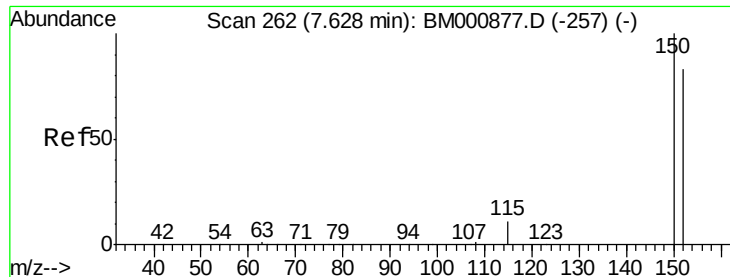
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

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Quant Time: Apr 08 05:46:04 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM040715.M
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QLast Update : Tue Apr 07 15:59:39 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.59 min Scan# 261

Delta R.T. -0.04 min

Lab File: BM000896.D

Acq: 08 Apr 2015 01:57

Instrument :

BNA_M

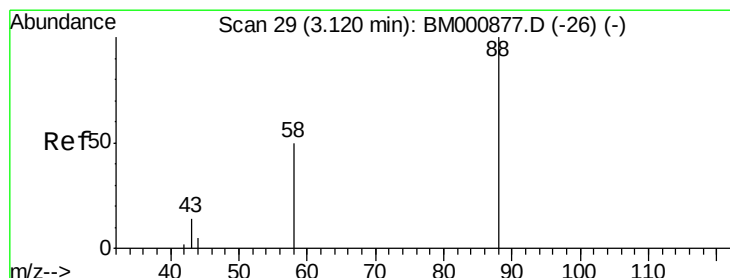
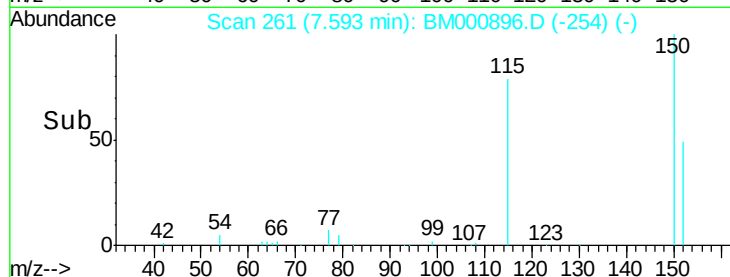
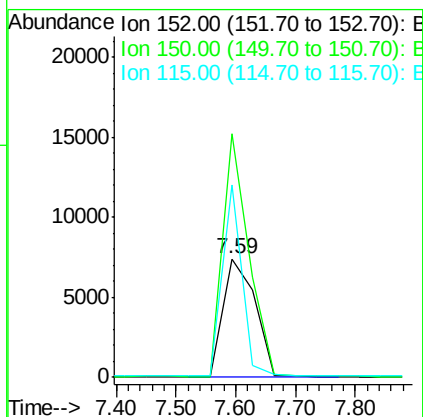
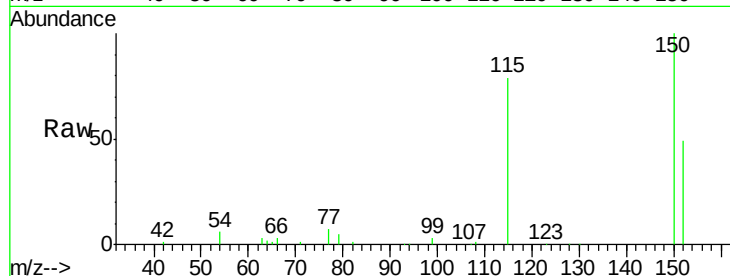
ClientSampleId :

LOQ-SOIL2015-02

Tot Ion:	152	Resp:	27560
Ion Ratio	Lower	Upper	
152	100		
150	205.1	96.5	144.7#
115	162.5	11.9	17.9#

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#2

1,4-Dioxane

Concen: 0.07 ng

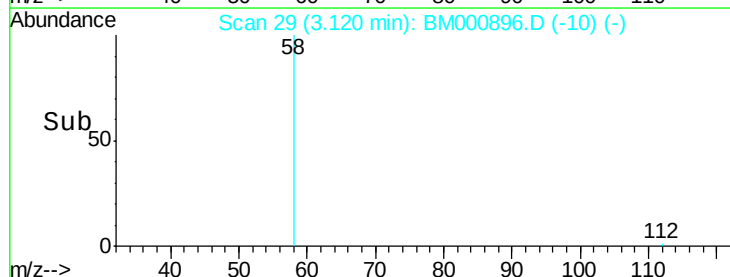
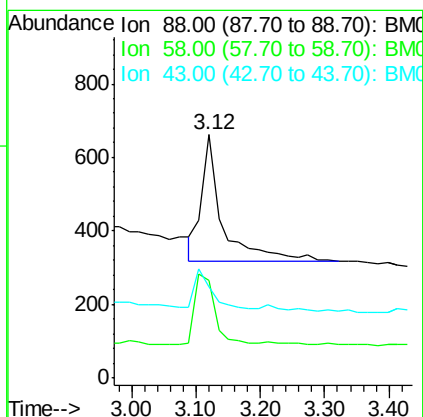
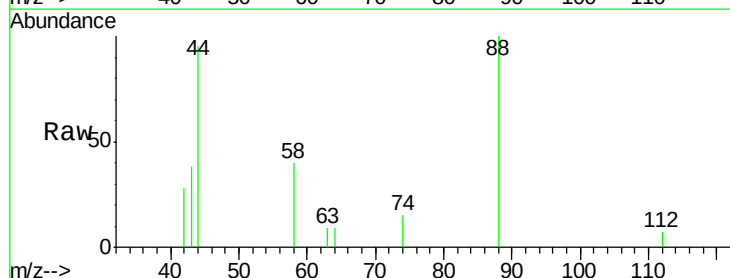
RT: 3.12 min Scan# 29

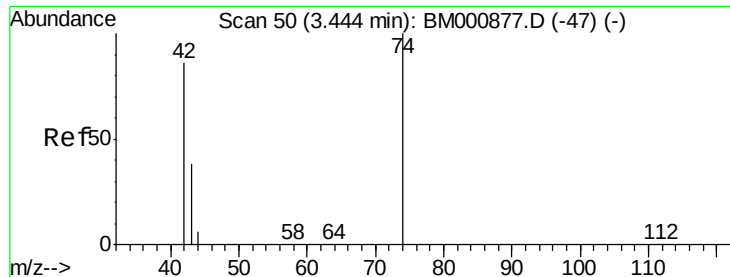
Delta R.T. 0.00 min

Lab File: BM000896.D

Acq: 08 Apr 2015 01:57

Tgt Ion:	88	Resp:	779
Ion Ratio	Lower	Upper	
88	100		
58	56.4	56.7	85.1#
43	0.0	25.0	37.6#





#3

n-Nitrosodimethylamine

Concen: 0.30 ng

RT: 3.46 min Scan# 51

Delta R.T. 0.02 min

Lab File: BM000896.D

Acq: 08 Apr 2015 01:57

Instrument :

BNA_M

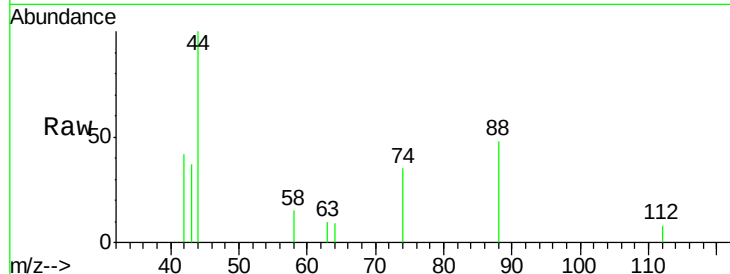
ClientSampleId :

LOQ-SOIL2015-02

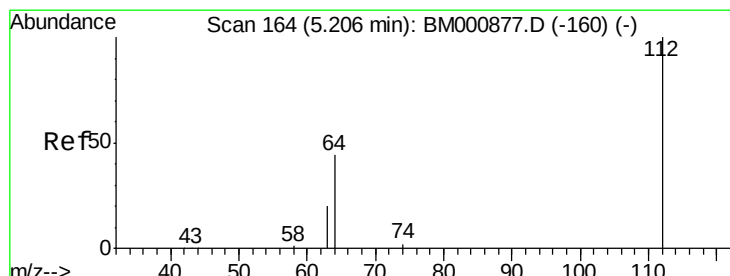
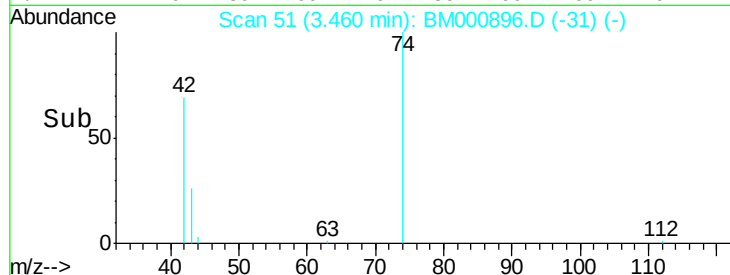
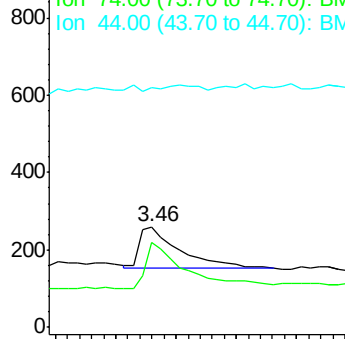
Tot Ion:	42	Resp:	483
Ion	Ratio	Lower	Upper
42	100		
74	84.2	81.0	121.4
44	238.1	53.3	79.9#

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Abundance Ion 42.00 (41.70 to 42.70): BM000877.D (-47) (-)



#4

2-Fluorophenol

Concen: 13.46 ng

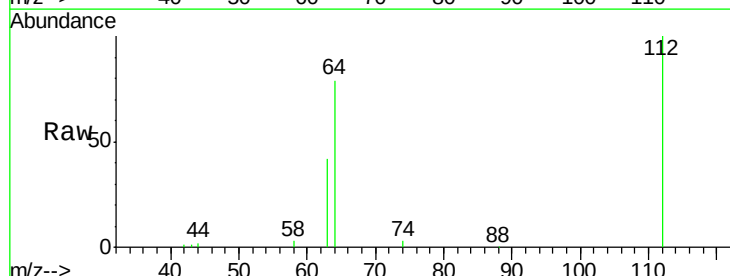
RT: 5.19 min Scan# 163

Delta R.T. -0.02 min

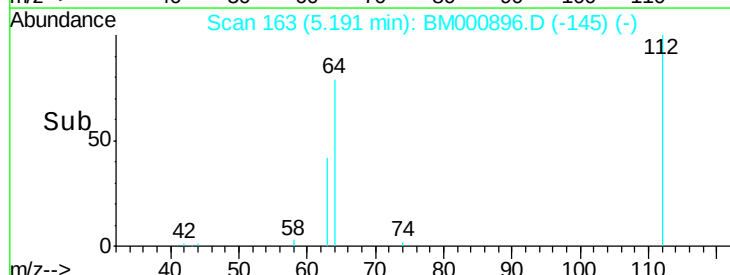
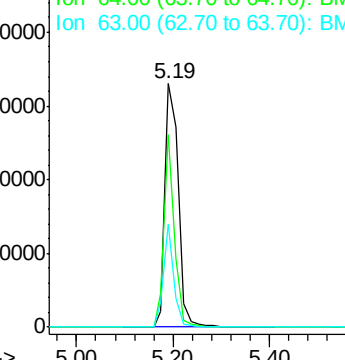
Lab File: BM000896.D

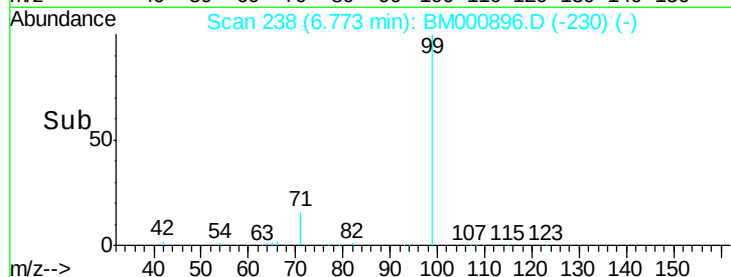
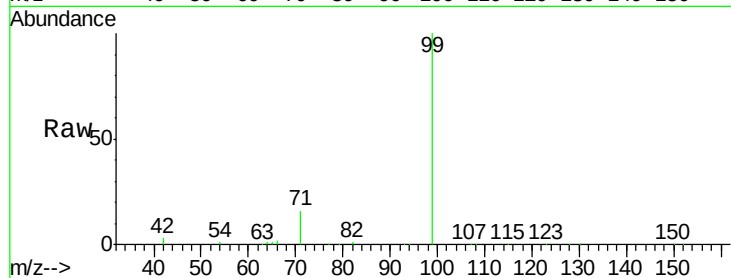
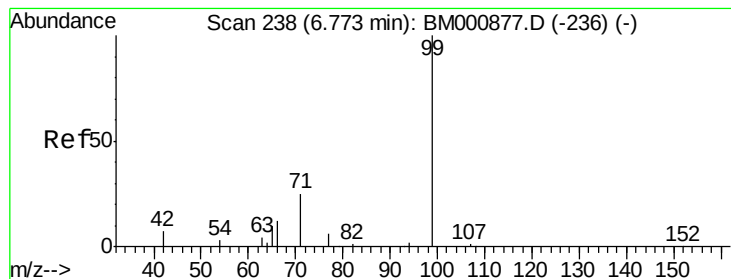
Acq: 08 Apr 2015 01:57

Tgt Ion:	112	Resp:	124468
Ion	Ratio	Lower	Upper
112	100		
64	79.1	35.7	53.5#
63	42.0	17.0	25.4#



Abundance Ion 112.00 (111.70 to 112.70): BM000877.D (-160) (-)





#5

Phenol-d6

Concen: 11.52 ng

RT: 6.77 min Scan# 238

Delta R.T. 0.00 min

Lab File: BM000896.D

Acq: 08 Apr 2015 01:57

Tot Ion:	99	Resp:	218746
Ion Ratio	Lower	Upper	
99	100		
42	2.6	7.5	11.3#
71	16.5	21.3	31.9#

Instrument :

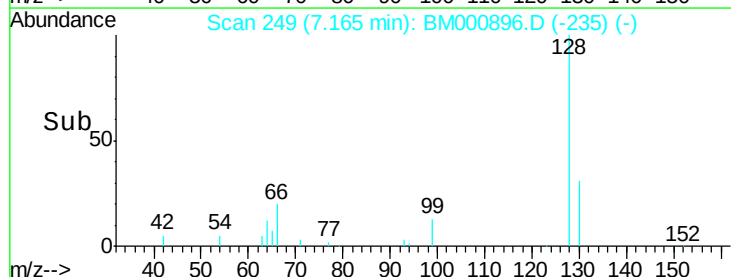
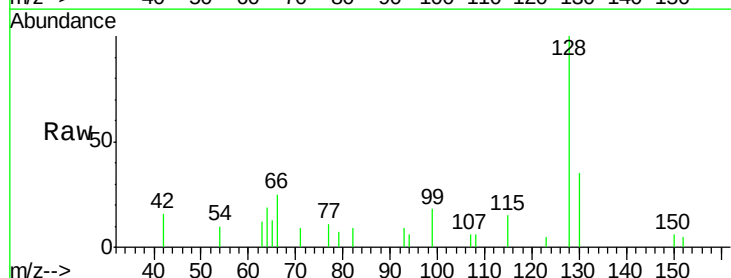
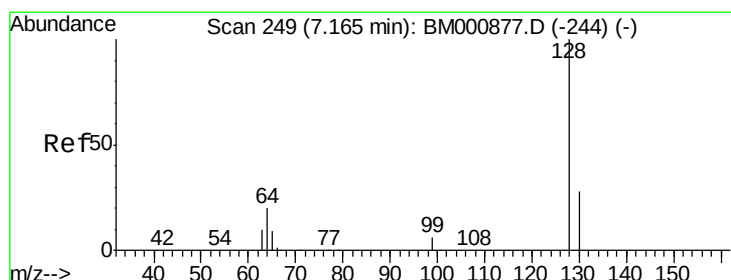
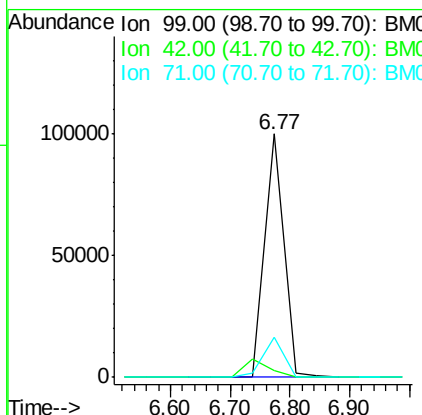
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ClientSampleId :

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#6

2-Chlorophenol

Concen: 0.30 ng

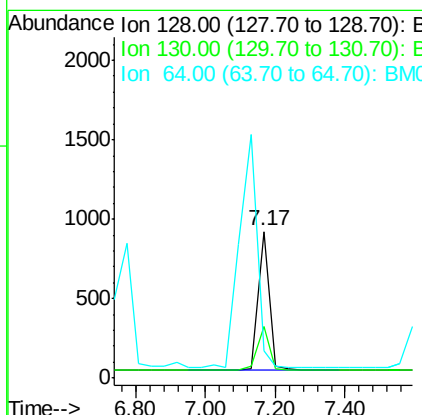
RT: 7.17 min Scan# 249

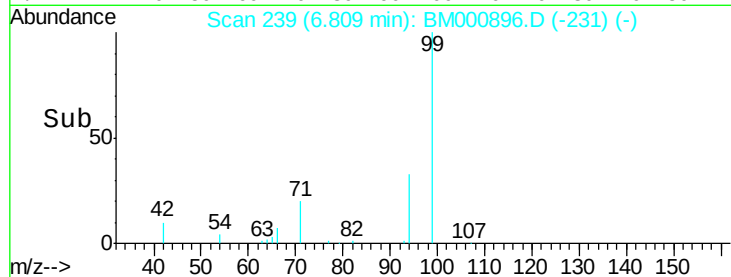
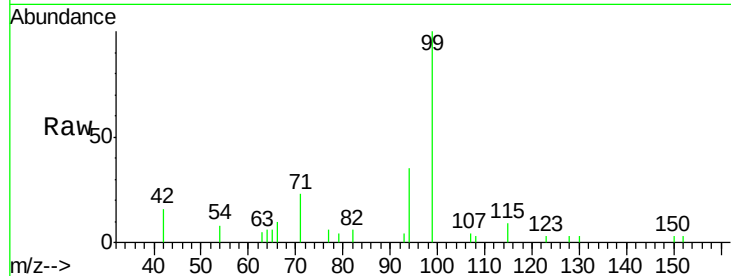
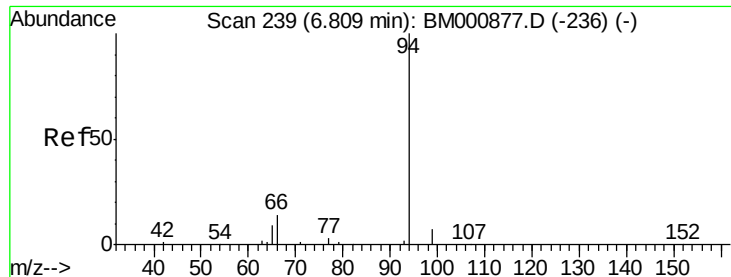
Delta R.T. 0.00 min

Lab File: BM000896.D

Acq: 08 Apr 2015 01:57

Tgt Ion:	128	Resp:	1969
Ion Ratio	Lower	Upper	
128	100		
130	35.0	9.4	49.4
64	18.5	2.1	42.1





#7

Phenol

Concen: 0.12 ng

RT: 6.81 min Scan# 239

Delta R.T. 0.00 min

Lab File: BM000896.D

Acq: 08 Apr 2015 01:57

Tot Ion:	94	Resp:	1381
Ion	Ratio	Lower	Upper
94	100		
65	17.9	0.0	30.9
66	28.6	0.0	35.8

Instrument :

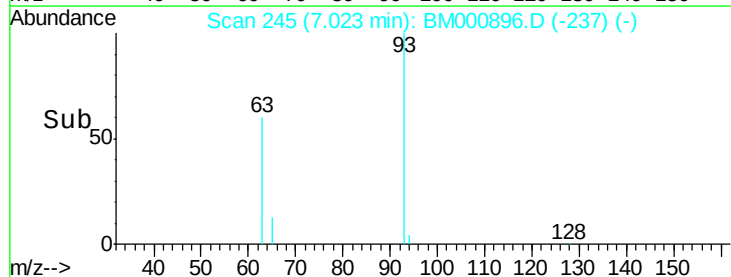
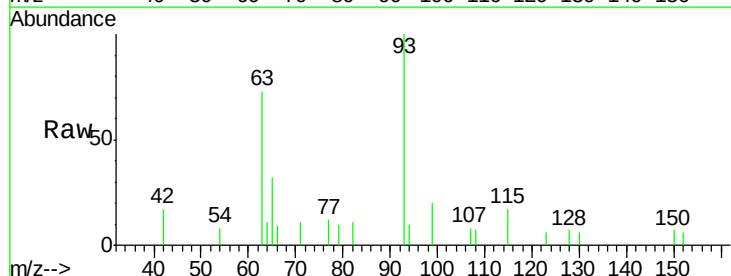
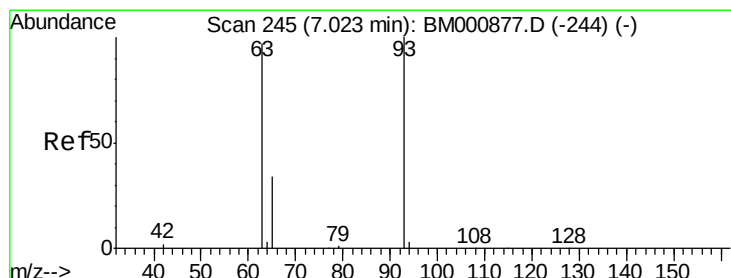
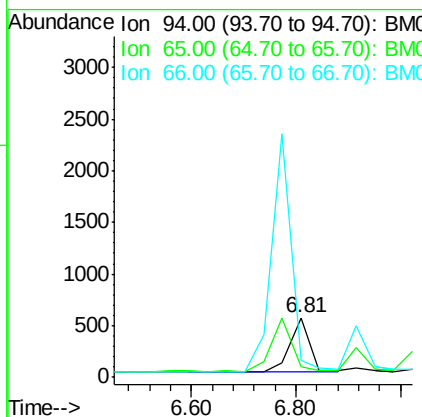
BNA_M

ClientSampleId :

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#8

bis(2-Chloroethyl)ether

Concen: 0.30 ng

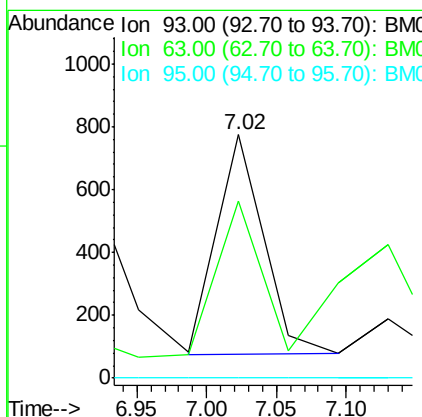
RT: 7.02 min Scan# 245

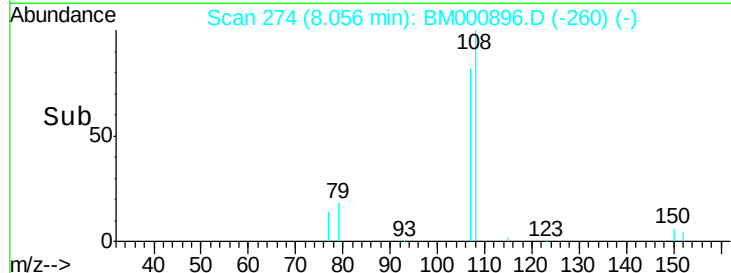
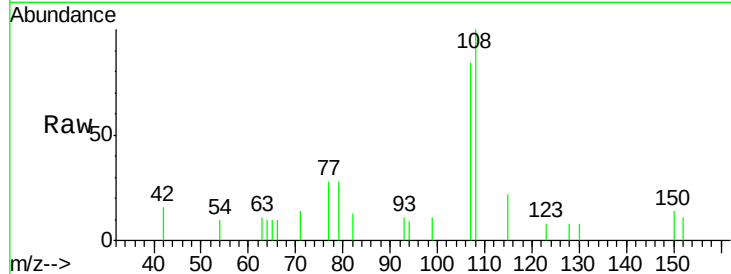
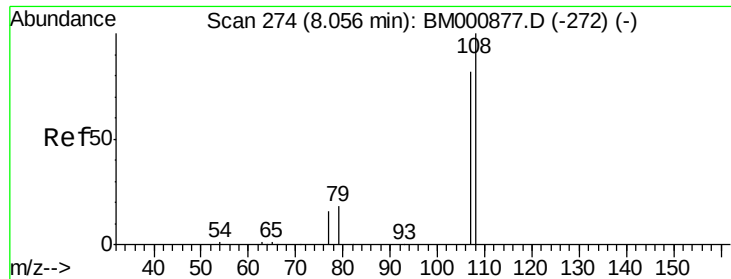
Delta R.T. 0.00 min

Lab File: BM000896.D

Acq: 08 Apr 2015 01:57

Tgt Ion:	93	Resp:	1627
Ion	Ratio	Lower	Upper
93	100		
63	72.5	73.3	113.3#
95	0.0	0.0	20.0





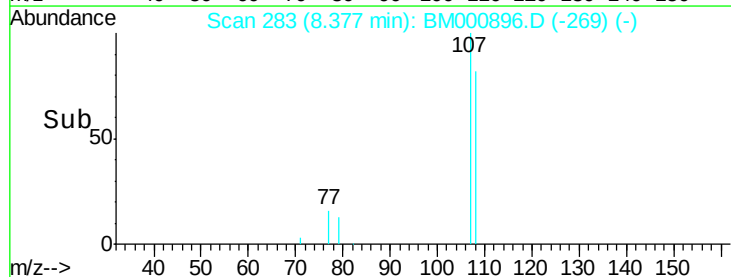
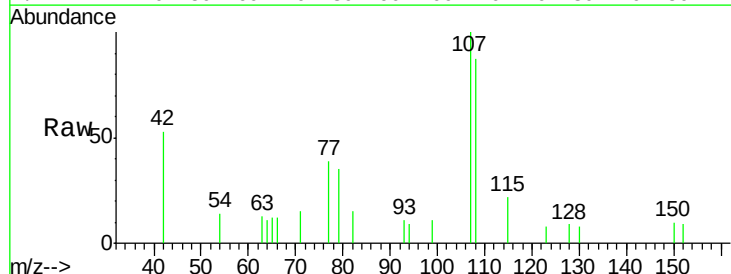
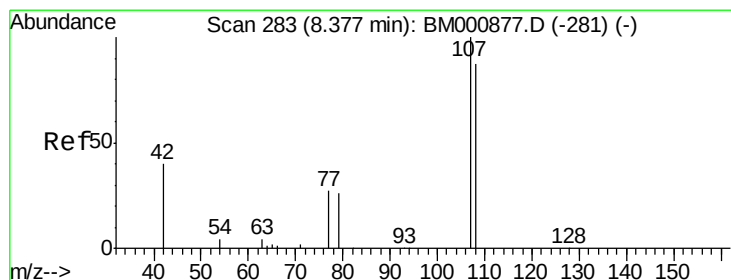
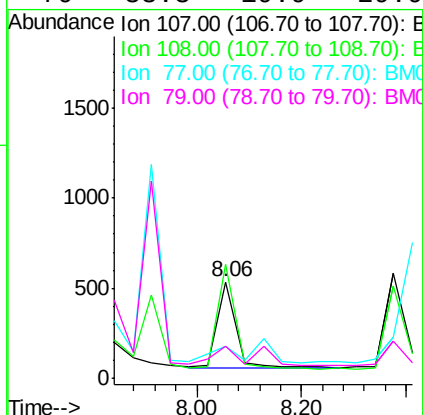
#9
2-Methylphenol
Concen: 0.13 ng
RT: 8.06 min Scan# 274
Delta R.T. 0.00 min
Lab File: BM000896.D
Acq: 08 Apr 2015 01:57

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

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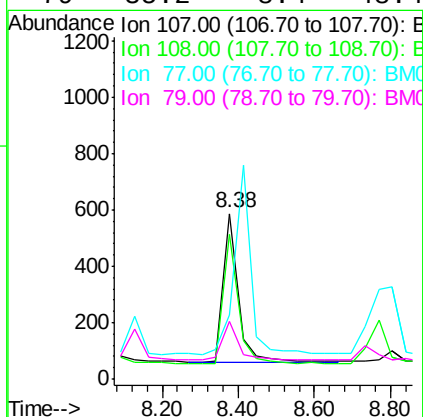
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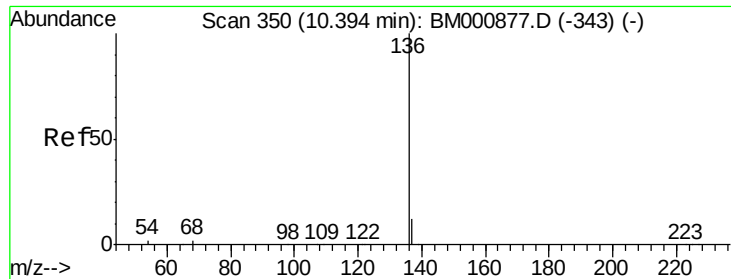
Tot Ion:	107	Resp:	1124
Ion	Ratio	Lower	Upper
107	100		
108	118.5	96.7	145.1
77	33.3	18.3	27.5#
79	33.3	19.9	29.9#



#10
3+4-Methylphenols
Concen: 0.32 ng
RT: 8.38 min Scan# 283
Delta R.T. 0.00 min
Lab File: BM000896.D
Acq: 08 Apr 2015 01:57

Tgt Ion:	107	Resp:	1428
Ion	Ratio	Lower	Upper
107	100		
108	87.4	67.6	107.6
77	38.9	10.0	50.0
79	35.2	8.4	48.4





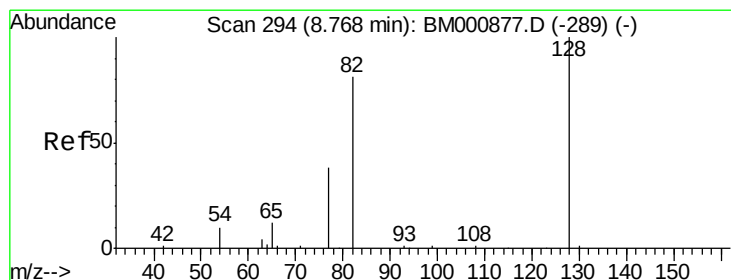
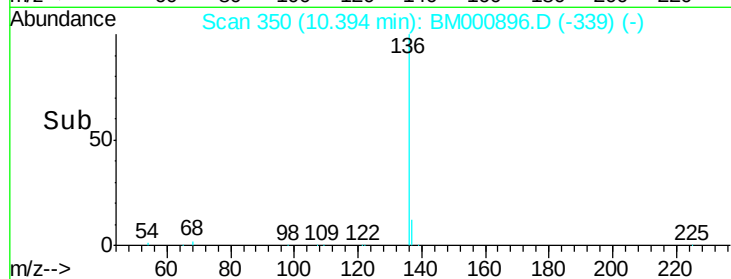
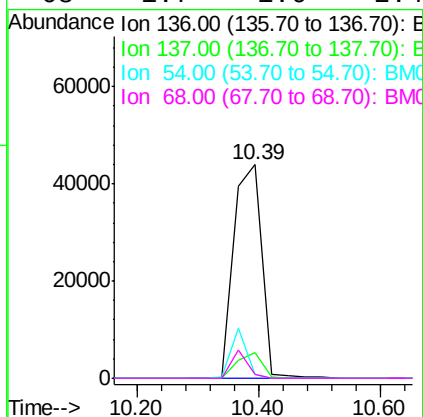
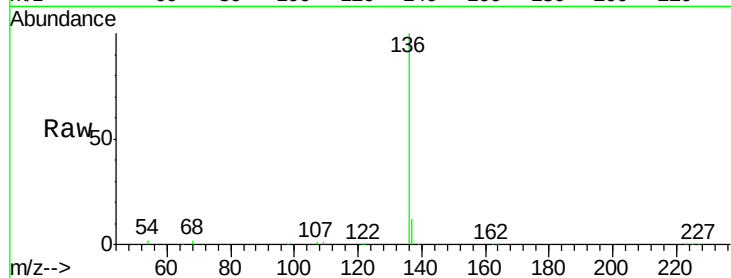
#11
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 350
Delta R.T. 0.00 min
Lab File: BM000896.D
Acq: 08 Apr 2015 01:57

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	12.3	9.6	14.4	
54	1.6	1.5	2.3	
68	1.7	1.6	2.4	

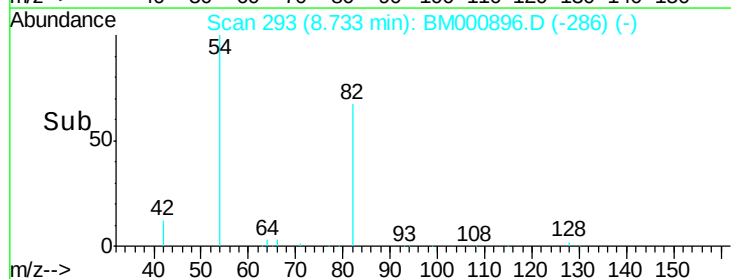
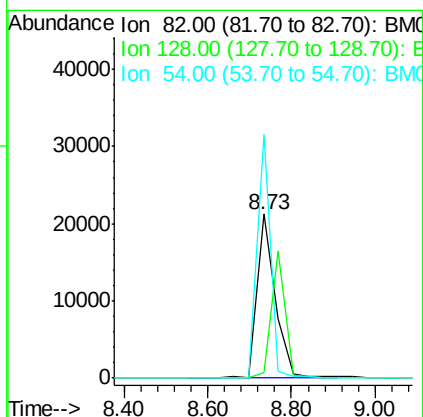
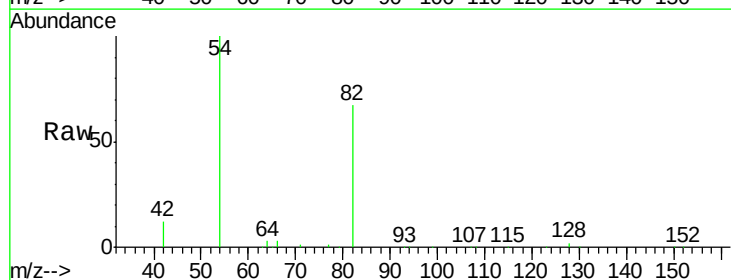
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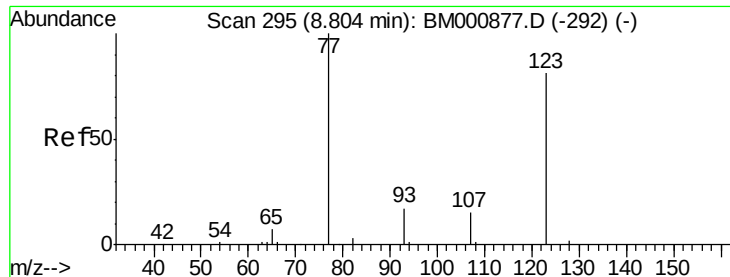
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#12
Nitrobenzene-d5
Concen: 9.18 ng
RT: 8.73 min Scan# 293
Delta R.T. -0.04 min
Lab File: BM000896.D
Acq: 08 Apr 2015 01:57

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	3.4	96.2	144.2#	
54	148.6	15.0	22.6#	





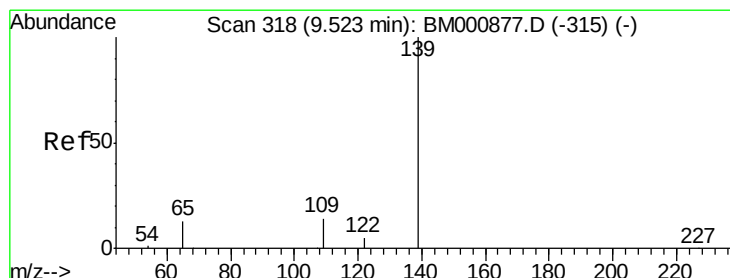
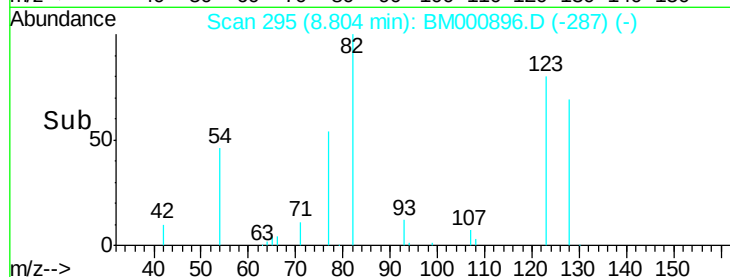
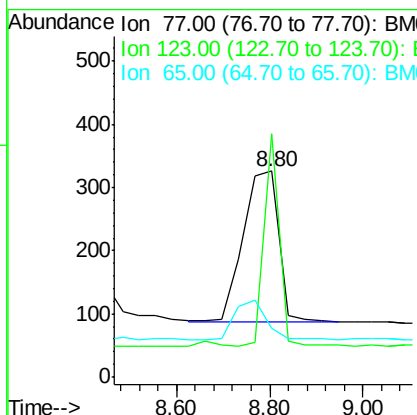
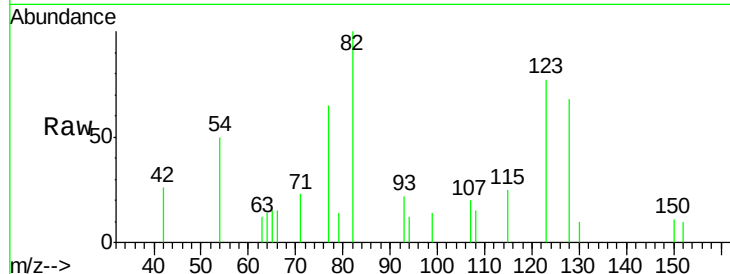
#13
Nitrobenzene
Concen: 0.18 ng
RT: 8.80 min Scan# 295
Delta R.T. 0.00 min
Lab File: BM000896.D
Acq: 08 Apr 2015 01:57

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion	Ratio	Lower	Upper
77	100		
123	118.1	64.0	96.0#
65	23.6	8.7	13.1#

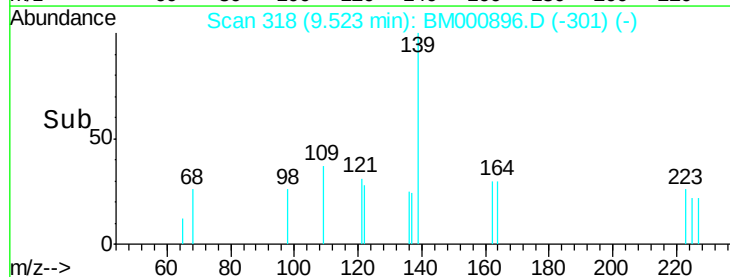
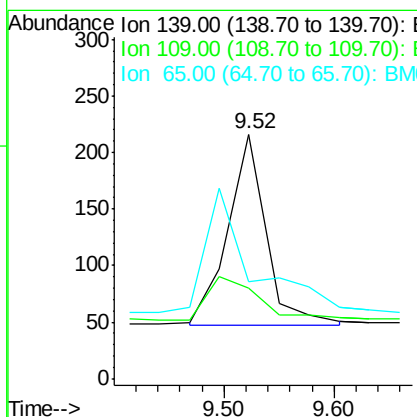
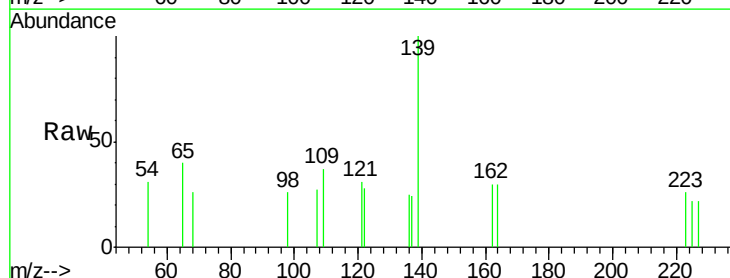
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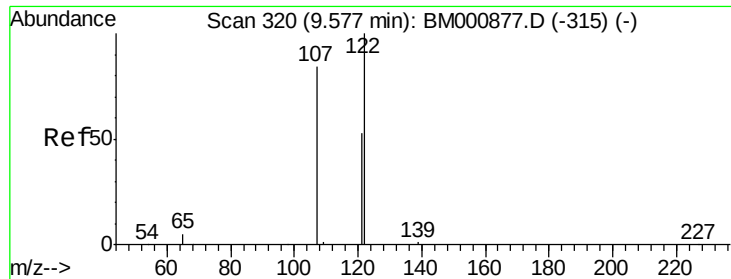
apatel
4/9/2015 8:11:38 AM



#14
2-Nitrophenol
Concen: 0.22 ng m
RT: 9.52 min Scan# 318
Delta R.T. 0.00 min
Lab File: BM000896.D
Acq: 08 Apr 2015 01:57

Tgt Ion	Ratio	Lower	Upper
139	100		
109	37.0	15.8	23.8#
65	39.8	16.2	24.2#





#15

2,4-Dimethylphenol

Concen: 0.11 ng

RT: 9.58 min Scan# 320

Delta R.T. 0.00 min

Lab File: BM000896.D

Acq: 08 Apr 2015 01:57

Instrument :

BNA_M

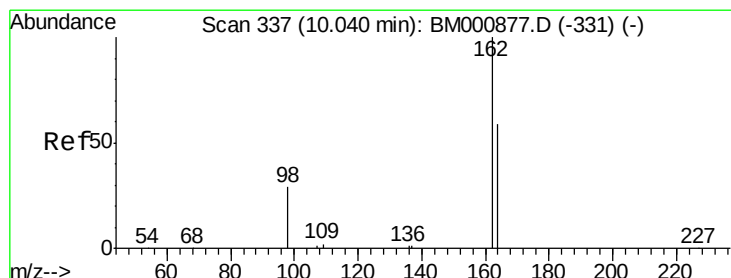
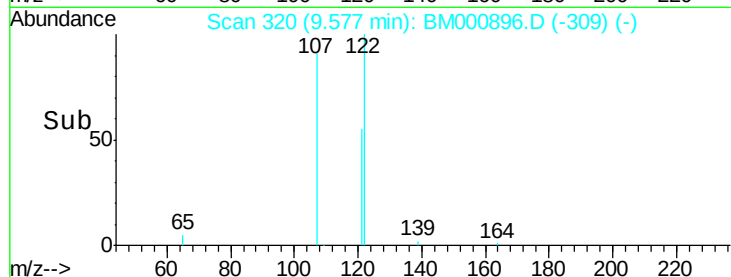
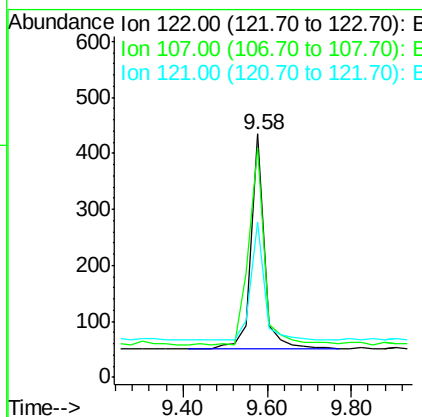
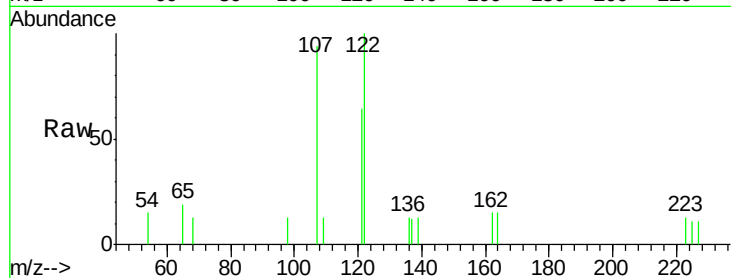
ClientSampleId :

LOQ-SOIL2015-02

Tot Ion:	122	Resp:	868
Ion Ratio	Lower	Upper	
122	100		
107	94.3	67.4	101.2
121	63.9	43.5	65.3

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#16

2,4-Dichlorophenol

Concen: 0.32 ng

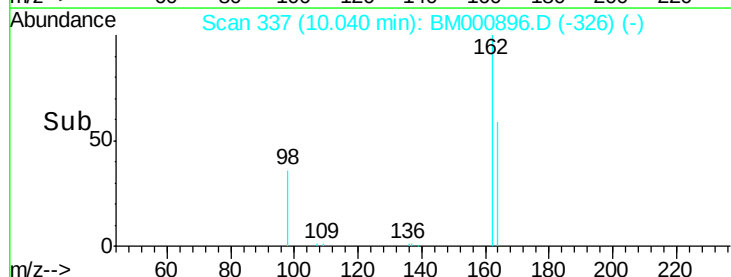
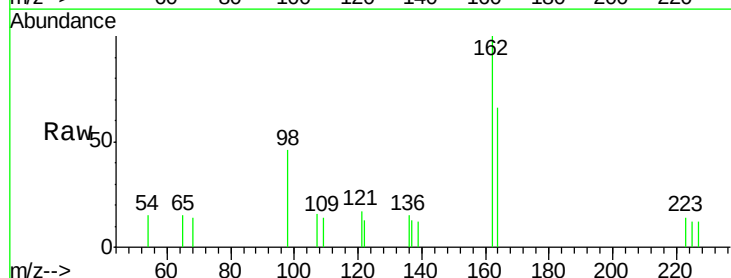
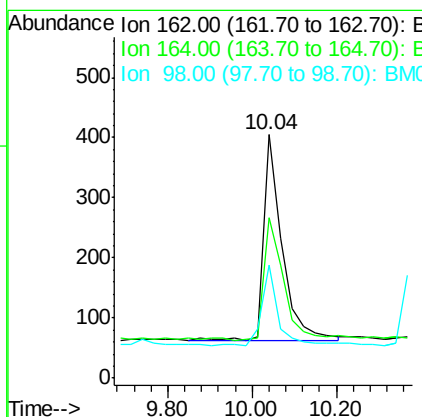
RT: 10.04 min Scan# 337

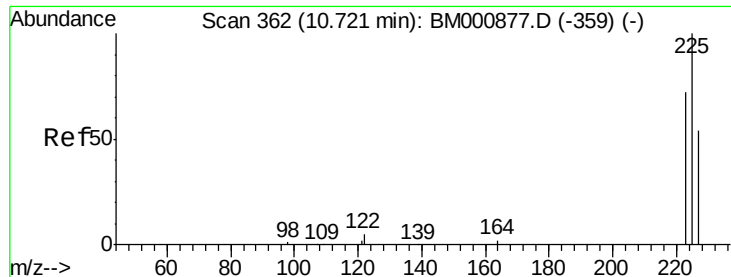
Delta R.T. 0.00 min

Lab File: BM000896.D

Acq: 08 Apr 2015 01:57

Tgt Ion:	162	Resp:	1046
Ion Ratio	Lower	Upper	
162	100		
164	65.7	39.9	79.9
98	46.4	11.3	51.3





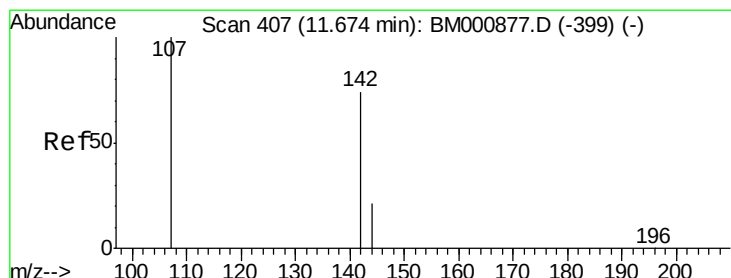
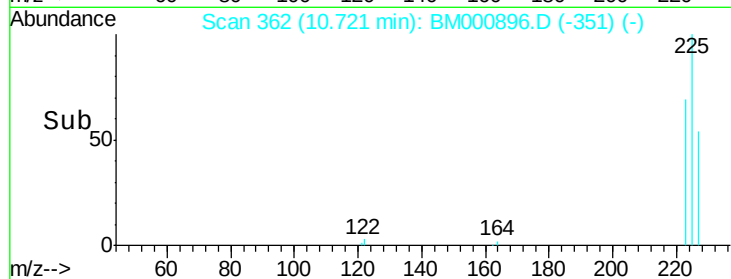
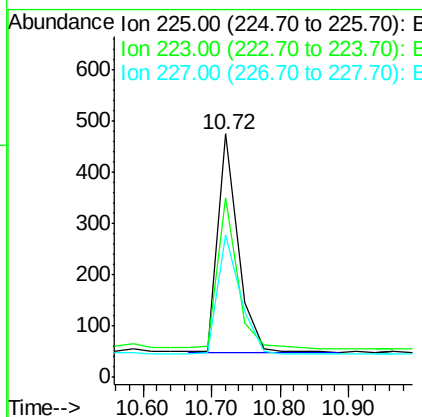
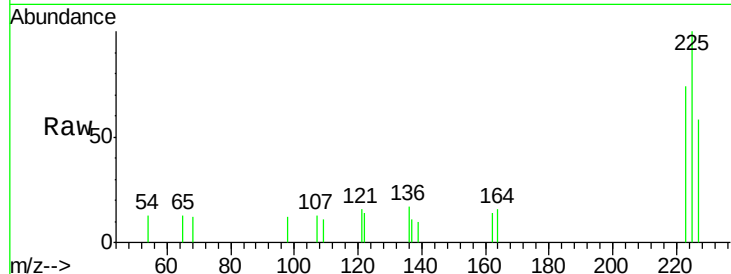
#17
Hexachlorobutadiene
Concen: 0.14 ng
RT: 10.72 min Scan# 362
Delta R.T. 0.00 min
Lab File: BM000896.D
Acq: 08 Apr 2015 01:57

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion:	225	Resp:	874
Ion	Ratio	Lower	Upper
225	100		
223	73.8	58.3	87.5
227	58.4	44.5	66.7

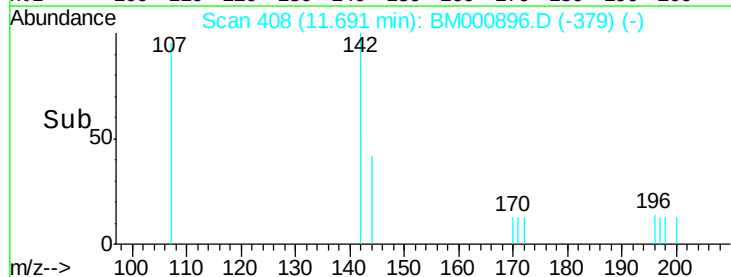
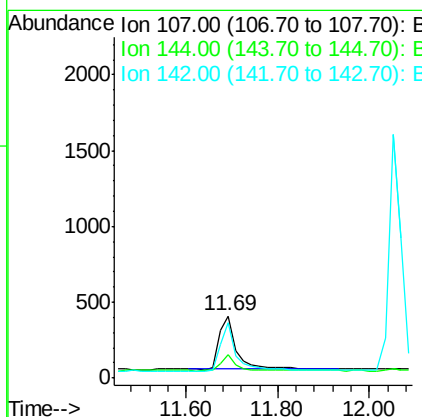
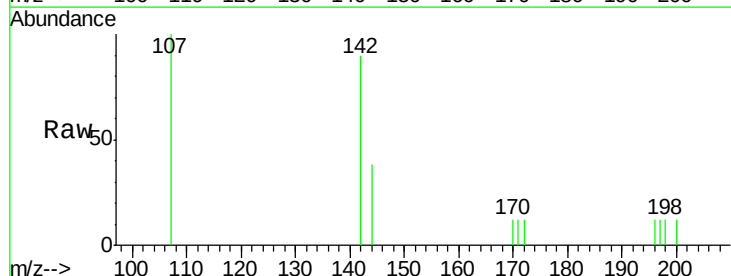
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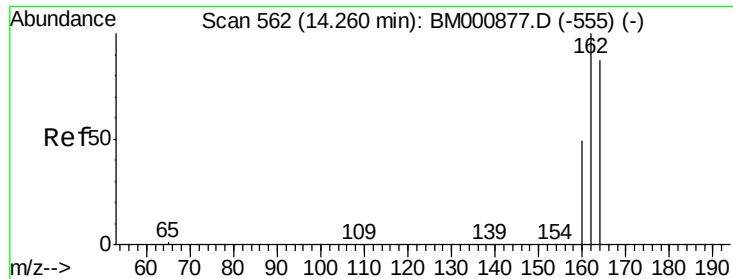
apatel
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#18
4-Chloro-3-methylphenol
Concen: 0.32 ng
RT: 11.69 min Scan# 408
Delta R.T. 0.02 min
Lab File: BM000896.D
Acq: 08 Apr 2015 01:57

Tgt Ion:	107	Resp:	965
Ion	Ratio	Lower	Upper
107	100		
144	37.7	18.4	27.6#
142	90.4	59.9	89.9#





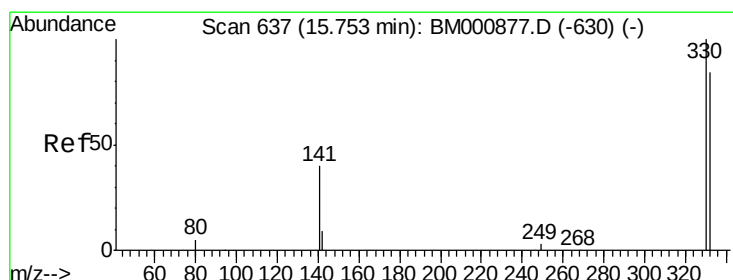
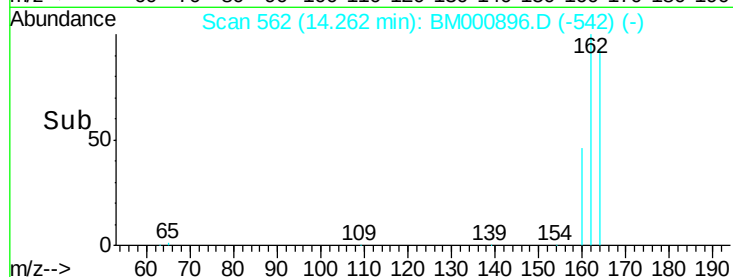
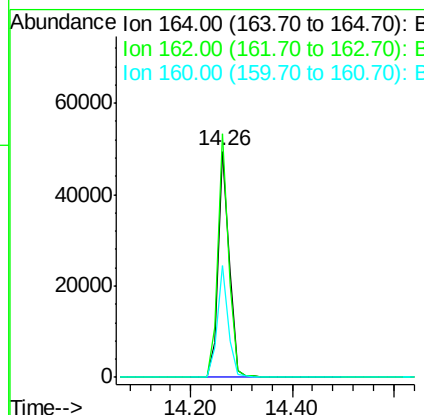
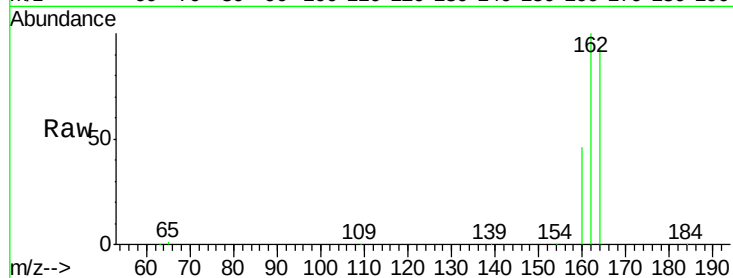
#19
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 562
Delta R.T. 0.00 min
Lab File: BM000896.D
Acq: 08 Apr 2015 01:57

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion	Ratio	Lower	Upper
164	100		
162	107.7	91.8	137.6
160	49.4	44.6	67.0

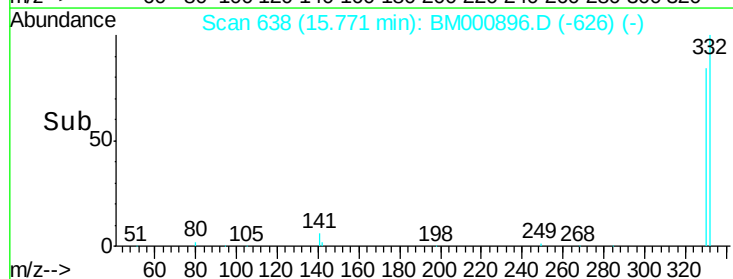
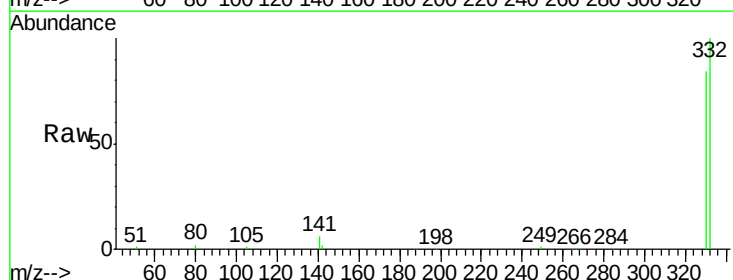
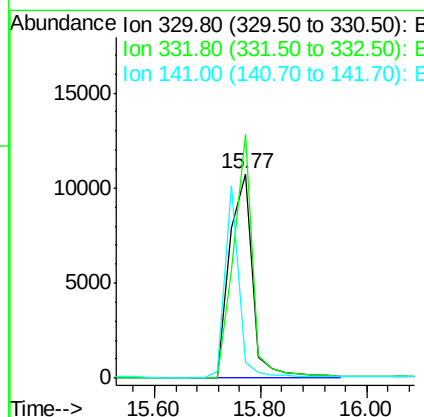
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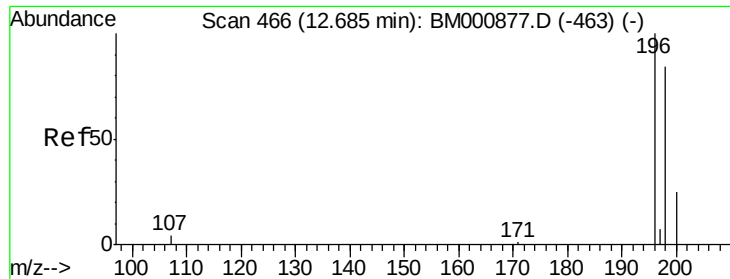
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#20
2,4,6-Tribromophenol
Concen: 9.93 ng
RT: 15.77 min Scan# 638
Delta R.T. 0.02 min
Lab File: BM000896.D
Acq: 08 Apr 2015 01:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.5	72.6	109.0
141	0.0	29.8	44.6#





#21

2,4,6-Trichlorophenol

Concen: 0.33 ng

RT: 12.69 min Scan# 466

Delta R.T. 0.00 min

Lab File: BM000896.D

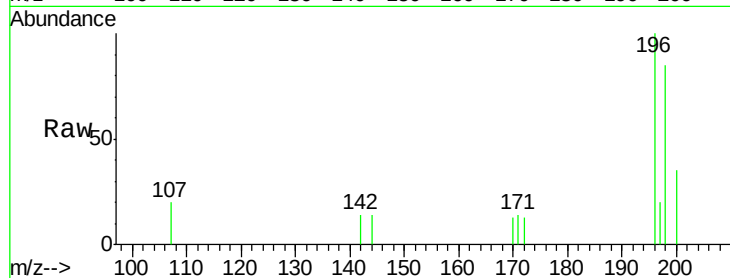
Acq: 08 Apr 2015 01:57

Instrument :

BNA_M

ClientSampleId :

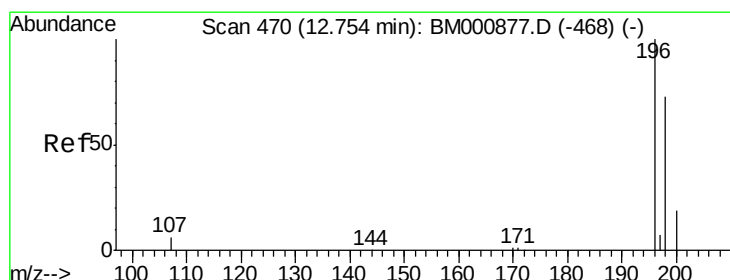
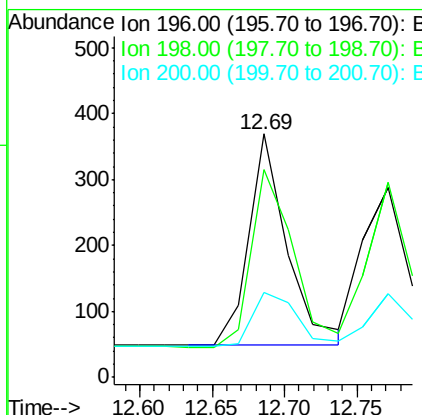
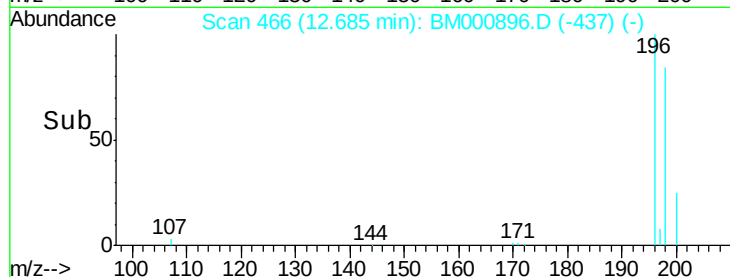
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Tot Ion:	196	Resp:	591
Ion Ratio	Lower	Upper	
196	100		
198	85.4	67.5	101.3
200	35.0	22.1	33.1#

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#22

2,4,5-Trichlorophenol

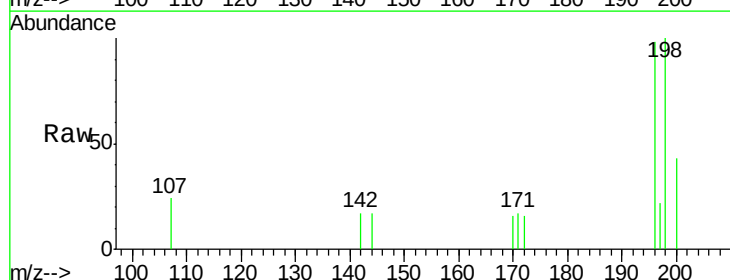
Concen: 0.29 ng m

RT: 12.77 min Scan# 471

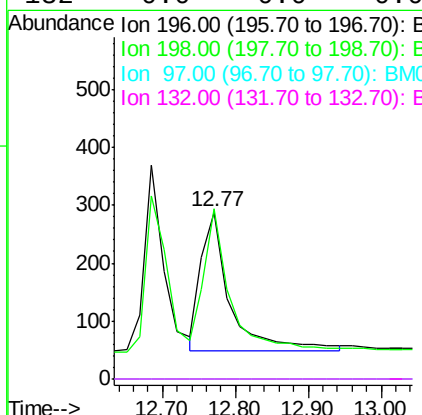
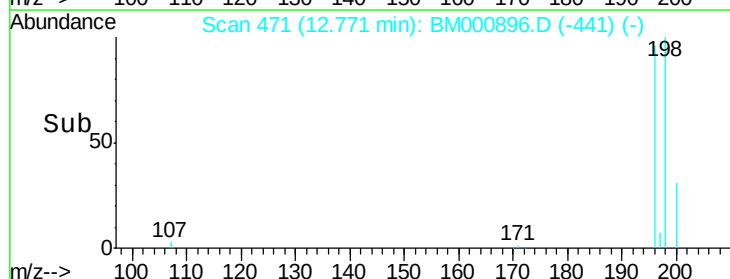
Delta R.T. 0.02 min

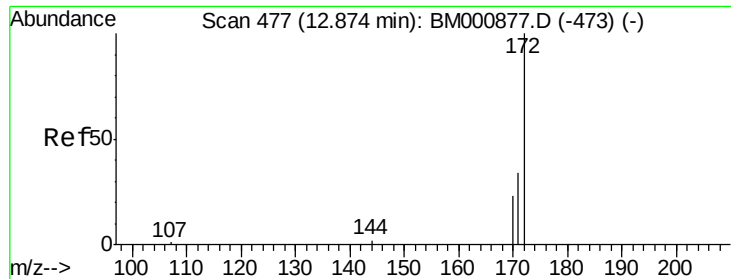
Lab File: BM000896.D

Acq: 08 Apr 2015 01:57



Tgt Ion:	196	Resp:	681
Ion Ratio	Lower	Upper	
196	100		
198	102.4	62.7	94.1#
97	0.0	0.0	0.0
132	0.0	0.0	0.0





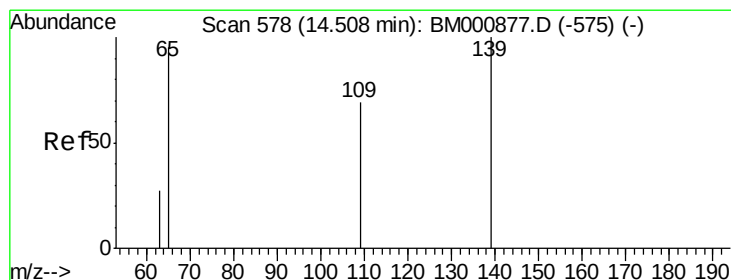
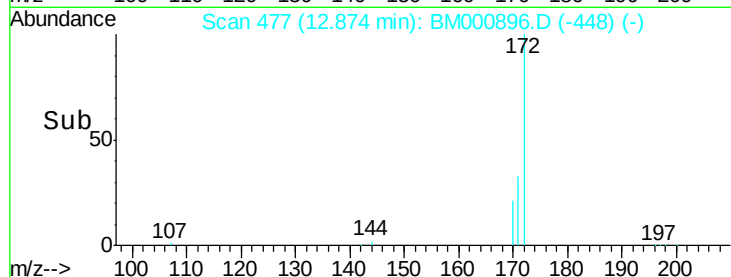
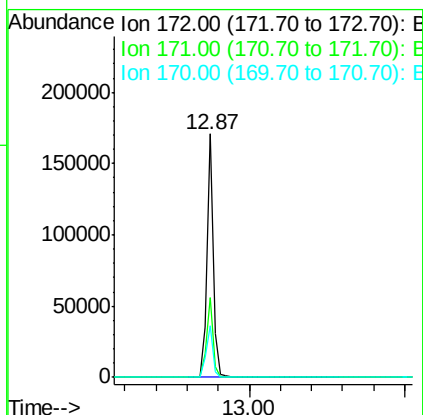
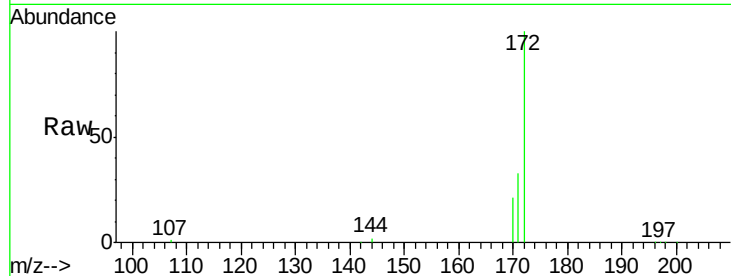
#23
2-Fluorobiphenyl
Concen: 10.58 ng
RT: 12.87 min Scan# 477
Delta R.T. 0.00 min
Lab File: BM000896.D
Acq: 08 Apr 2015 01:57

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.0	27.8	41.8
170	21.0	19.0	28.6

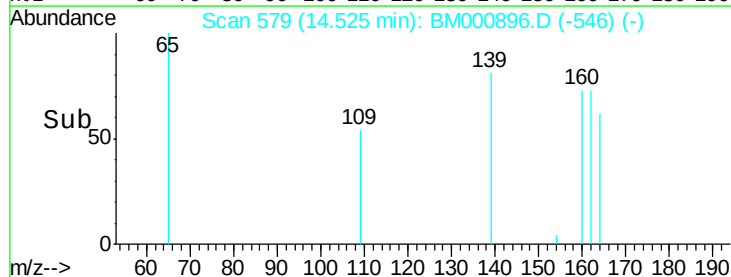
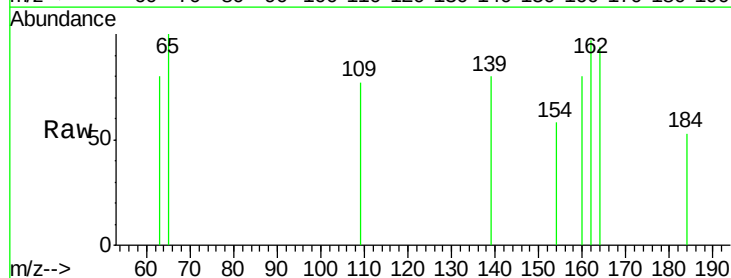
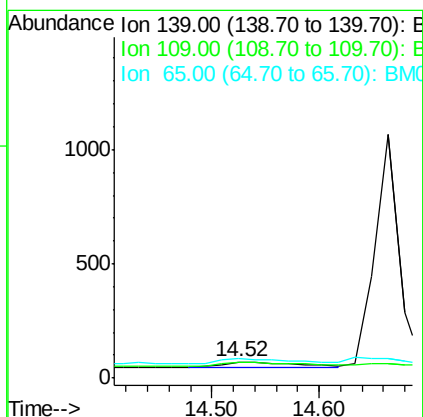
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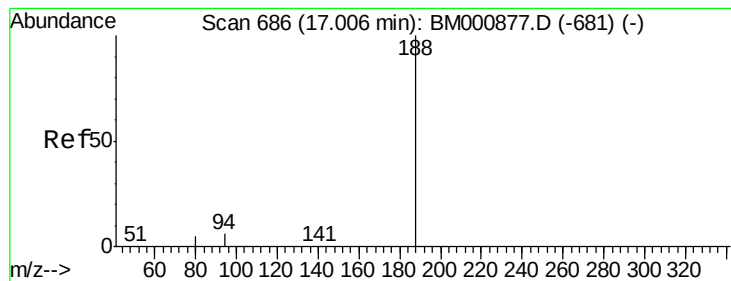
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#25
4-Nitrophenol
Concen: 0.19 ng
RT: 14.52 min Scan# 579
Delta R.T. 0.02 min
Lab File: BM000896.D
Acq: 08 Apr 2015 01:57

Tgt Ion	Ratio	Lower	Upper
139	100		
109	97.1	58.4	98.4
65	125.7	87.7	127.7





#26

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.00 min Scan# 686

Delta R.T. -0.01 min

Lab File: BM000896.D

Acq: 08 Apr 2015 01:57

Instrument :

BNA_M

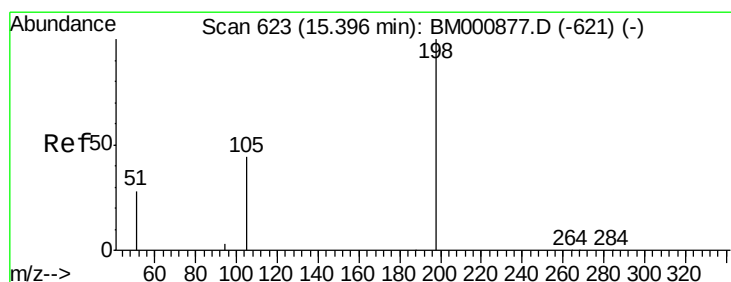
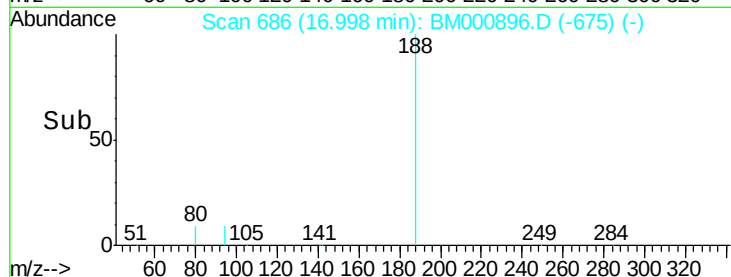
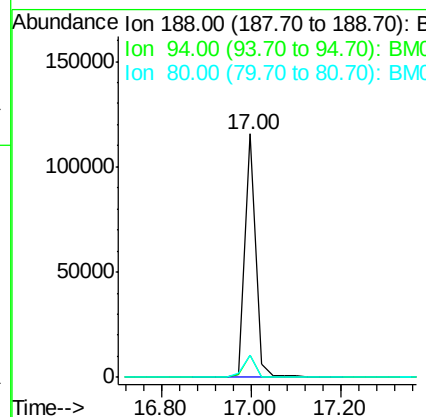
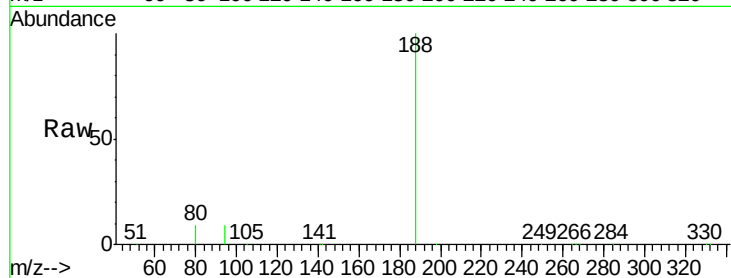
ClientSampleId :

LOQ-SOIL2015-02

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.2	4.9	7.3#	
80	9.3	4.4	6.6#	

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#27

4,6-Dinitro-2-methylphenol

Concen: 0.20 ng

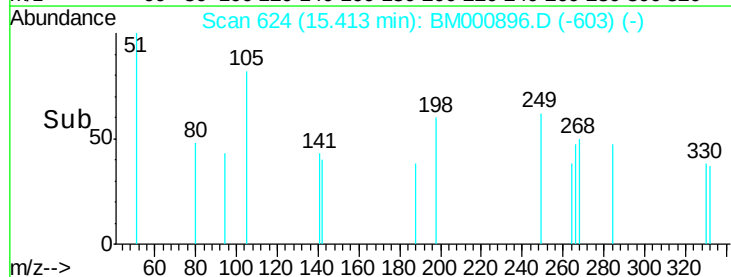
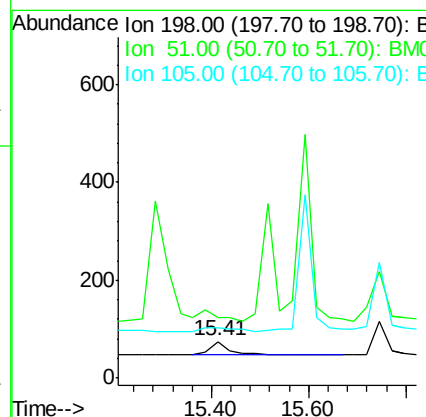
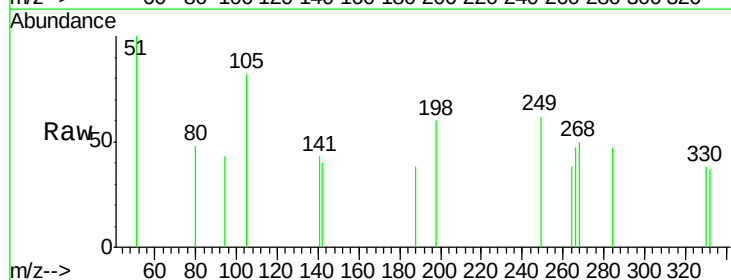
RT: 15.41 min Scan# 624

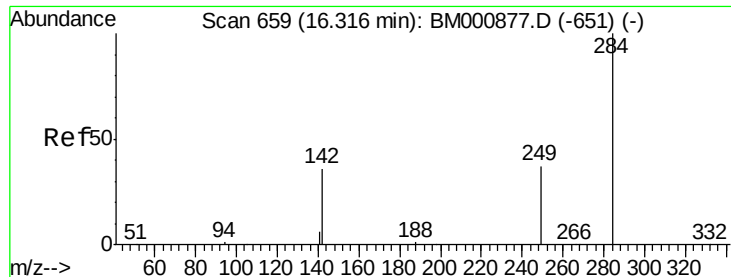
Delta R.T. 0.02 min

Lab File: BM000896.D

Acq: 08 Apr 2015 01:57

Tgt Ion	Ratio	Resp	Lower	Upper
198	100			
51	166.7	44.6	84.6#	
105	137.3	36.0	76.0#	





#28

Hexachlorobenzene

Concen: 0.08 ng

RT: 16.33 min Scan# 660

Delta R.T. 0.02 min

Lab File: BM000896.D

Acq: 08 Apr 2015 01:57

Instrument :

BNA_M

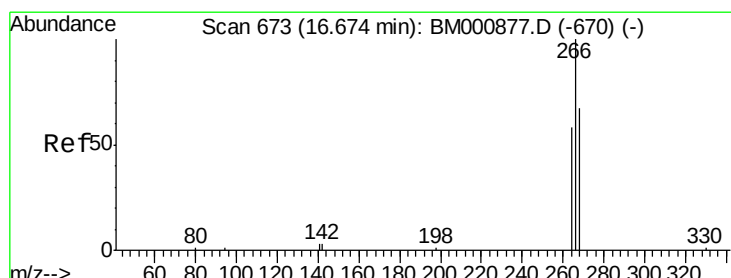
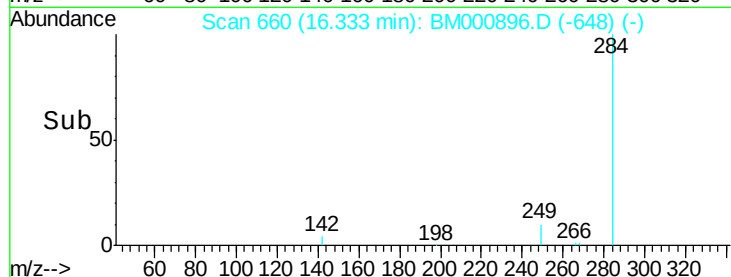
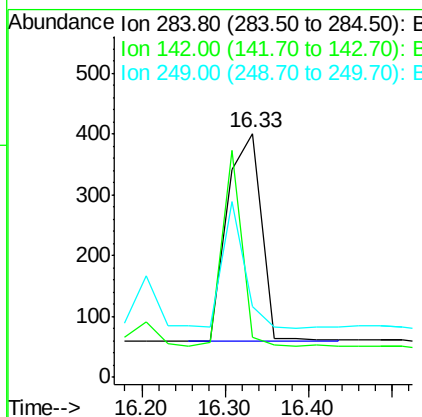
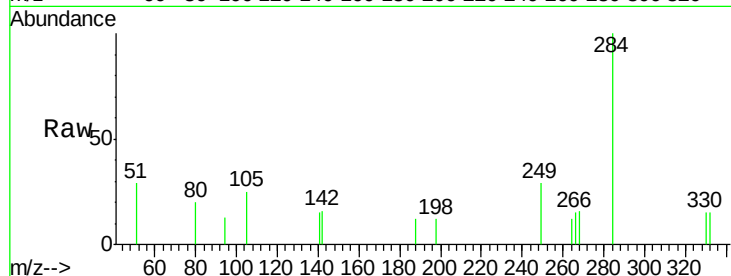
ClientSampleId :

LOQ-SOIL2015-02

Tot Ion:	284	Resp:	982
Ion Ratio	Lower	Upper	
284	100		
142	16.5	29.8	44.8#
249	29.2	31.0	46.4#

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#29

Pentachlorophenol

Concen: 0.55 ng

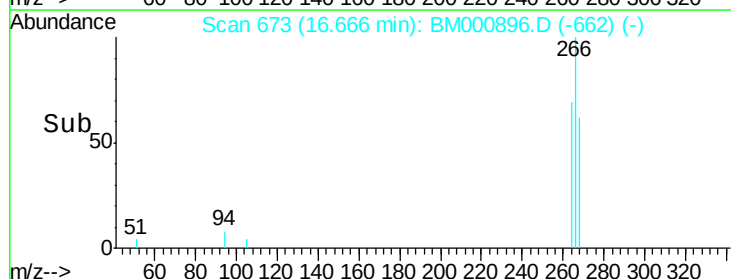
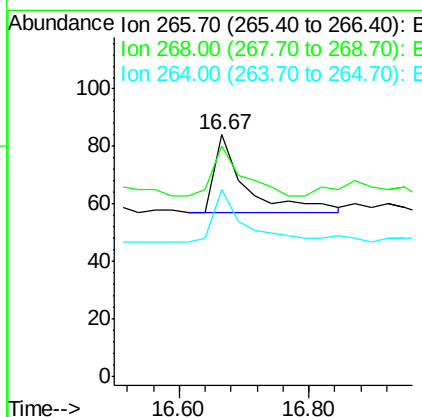
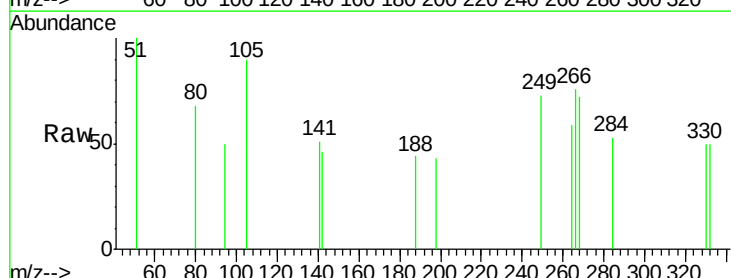
RT: 16.67 min Scan# 673

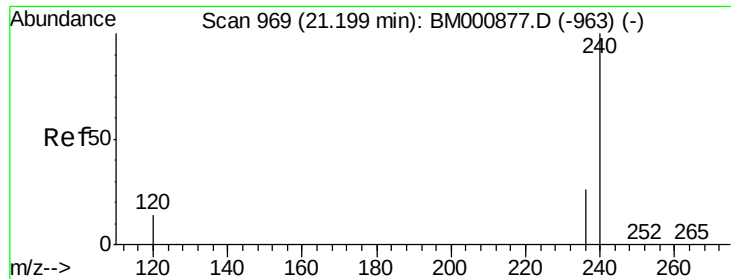
Delta R.T. -0.01 min

Lab File: BM000896.D

Acq: 08 Apr 2015 01:57

Tgt Ion:	266	Resp:	91
Ion Ratio	Lower	Upper	
266	100		
268	95.2	61.8	92.8#
264	77.4	53.8	80.6





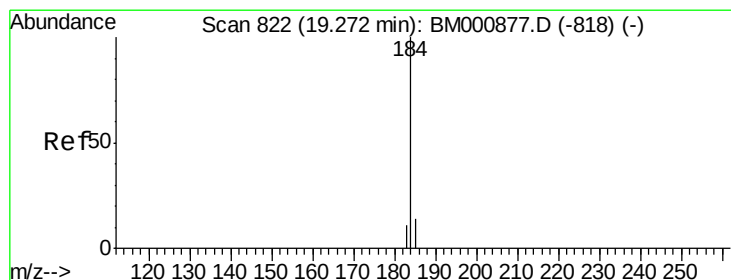
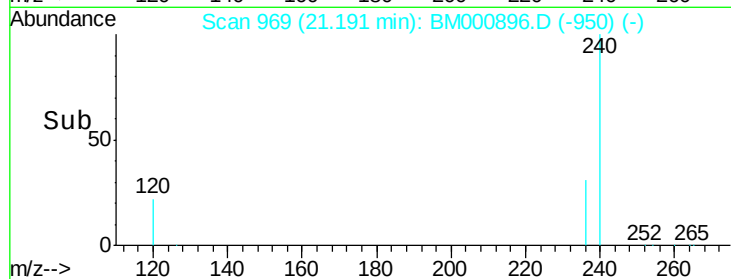
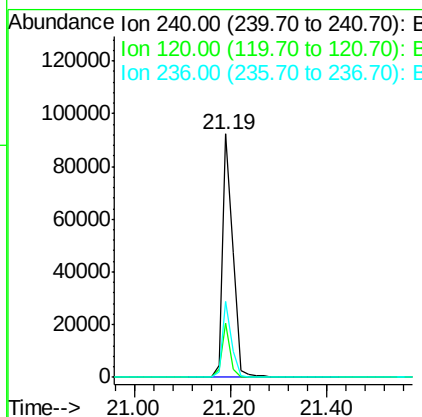
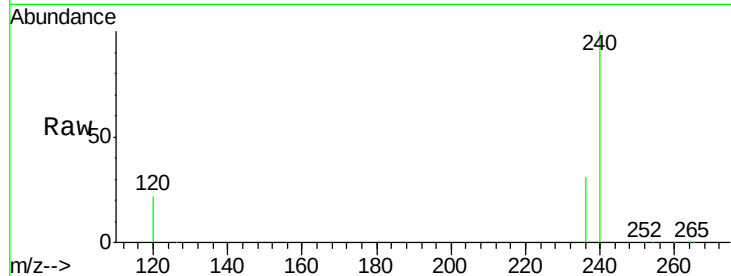
#30
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.19 min Scan# 969
 Delta R.T. -0.01 min
 Lab File: BM000896.D
 Acq: 08 Apr 2015 01:57

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion	Ratio	Lower	Upper
240	100		
120	22.1	11.1	16.7#
236	31.4	20.9	31.3#

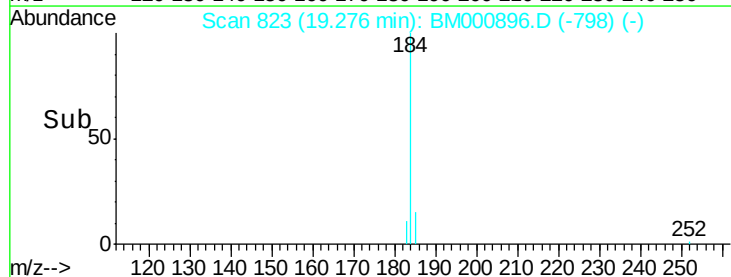
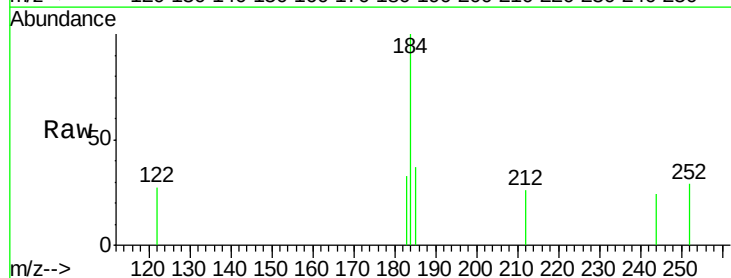
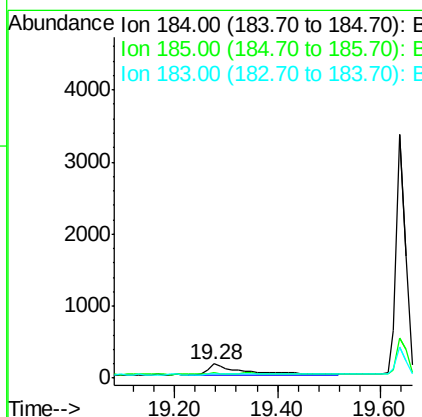
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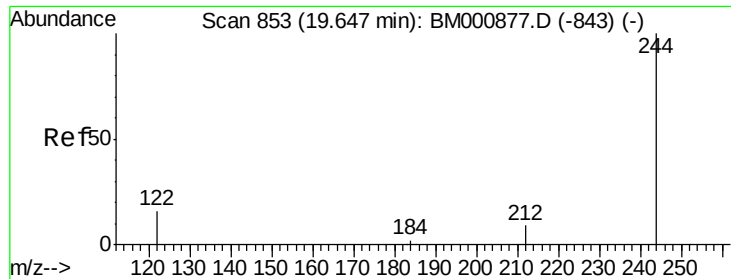
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#31
 Benzidine
 Concen: 0.12 ng
 RT: 19.28 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: BM000896.D
 Acq: 08 Apr 2015 01:57

Tgt Ion	Ratio	Lower	Upper
184	100		
185	37.1	14.4	21.6#
183	33.0	12.6	19.0#





#32

Terphenyl-d14

Concen: 11.24 ng

RT: 19.65 min Scan# 854

Delta R.T. 0.00 min

Lab File: BM000896.D

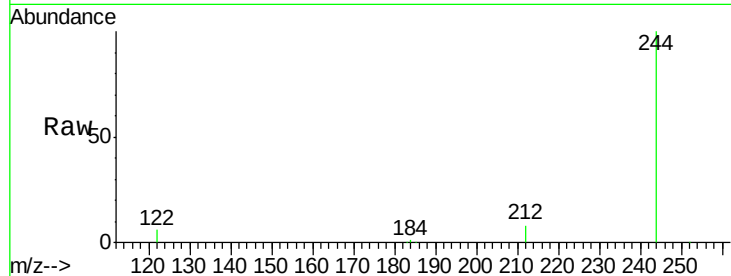
Acq: 08 Apr 2015 01:57

Instrument :

BNA_M

ClientSampleId :

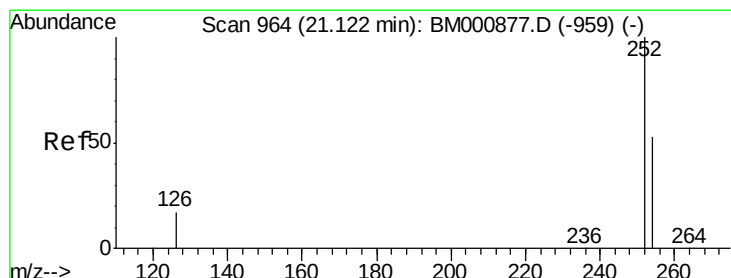
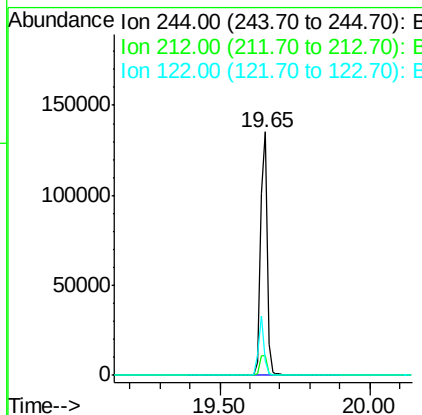
LOQ-SOIL2015-02



Tot Ion	Ratio	Lower	Upper
244	100		
212	7.9	8.1	12.1#
122	6.1	13.6	20.4#

Manual Integrations
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apatel
4/9/2015 8:11:38 AM



#33

3,3'-Dichlorobenzidine

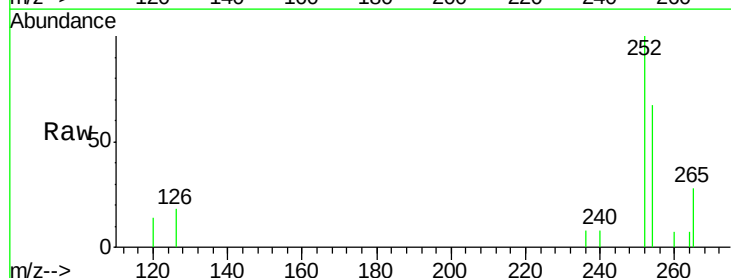
Concen: 0.15 ng

RT: 21.13 min Scan# 965

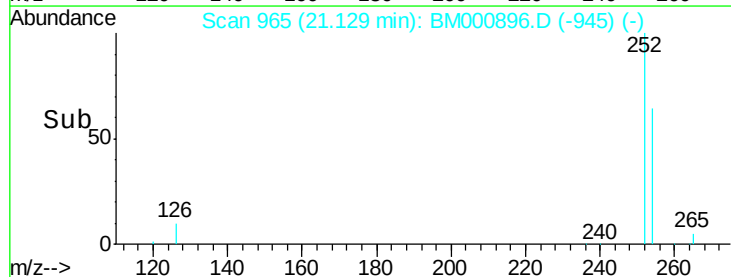
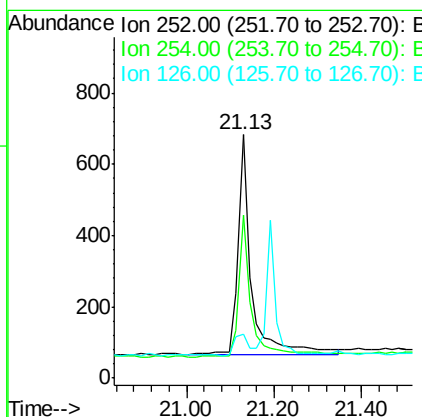
Delta R.T. 0.01 min

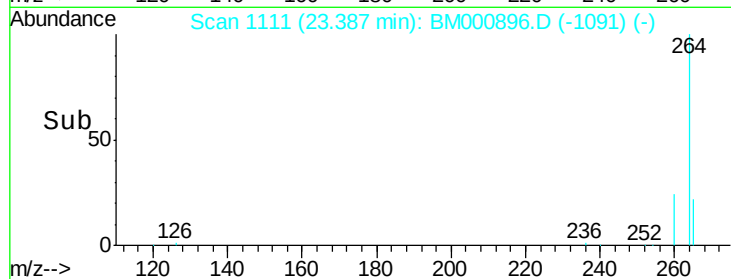
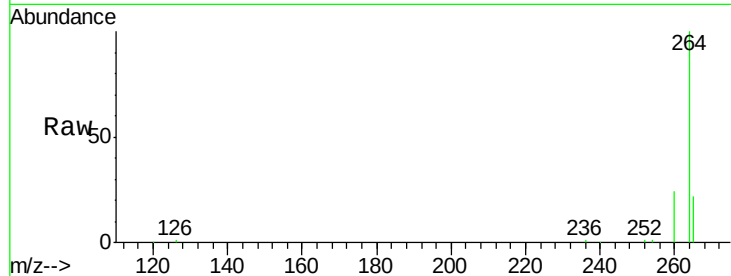
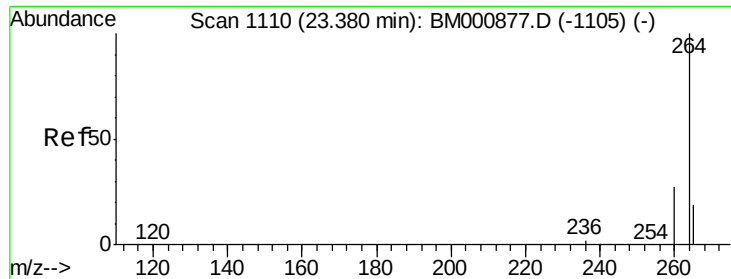
Lab File: BM000896.D

Acq: 08 Apr 2015 01:57



Tgt Ion	Ratio	Lower	Upper
252	100		
254	67.2	43.2	64.8#
126	18.0	15.5	23.3





#34

Pervlene-d12

Concen: 5.00 ng

RT: 23.39 min Scan# 1111

Delta R.T. 0.01 min

Lab File: BM000896.D

Acq: 08 Apr 2015 01:57

Tot Ion:	264	Resp:	129490
Ion Ratio	Lower	Upper	
264	100		
260	23.8	21.6	32.4
265	22.4	16.1	24.1

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL2015-02

Manual Integrations
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4/9/2015 8:11:38 AM

