

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061915\
 Data File : BM001767.D
 Acq On : 19 Jun 2015 18:15
 Operator : TP/IZ
 Sample : G2653-04
 Misc : LOQ-SIM-SOIL-2PPM
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2015-02

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Quant Time: Jun 20 02:28:22 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 19 05:05:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	14650	5.00	ng	0.00
6) Naphthalene-d8	10.46	136	53847	5.00	ng	0.00
12) Acenaphthene-d10	14.32	164	26833	5.00	ng	0.00
18) Phenanthrene-d10	17.06	188	72606	5.00	ng	0.00
25) Chrysene-d12	21.25	240	47619	5.00	ng	0.00
32) Perylene-d12	23.47	264	42816	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	35819	10.46	ng	0.00
5) Phenol-d6	6.83	99	46807	10.62	ng	0.00
7) Nitrobenzene-d5	8.83	82	27416	6.52	ng	0.00
13) 2,4,6-Tribromophenol	15.80	330	8745	10.44	ng	0.00
14) 2-Fluorobiphenyl	12.94	172	62410	6.51	ng	0.00
27) Terphenyl-d14	19.70	244	48034	6.85	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.18	88	283	0.17	ng	# 78
3) n-Nitrosodimethylamine	3.49	42	281	0.11	ng	# 98
8) Nitrobenzene	8.87	77	669	0.15	ng	# 90
9) Naphthalene	10.49	128	1568	0.12	ng	# 89
10) Hexachlorobutadiene	10.78	225	268	0.12	ng	96
11) 2-Methylnaphthalene	12.13	142	1000	0.12	ng	92
15) Acenaphthylene	14.03	152	1356	0.11	ng	99
16) Acenaphthene	14.37	154	927	0.12	ng	98
17) Fluorene	15.36	166	1035	0.15	ng	98
19) 4-Bromophenyl-phenylether	16.24	248	318	0.11	ng	95
20) Hexachlorobenzene	16.38	284	251	0.12	ng	# 100
21) Pentachlorophenol	16.72	266	88	0.10	ng	# 82
22) Phenanthrene	17.09	178	2835	0.11	ng	96
23) Anthracene	17.19	178	1262m	0.12	ng	
24) Fluoranthene	19.12	202	1873	0.12	ng	99
26) Pyrene	19.49	202	1939	0.12	ng	99
28) Benzo(a)anthracene	21.24	228	1764	0.12	ng	94
29) Chrysene	21.28	228	1828	0.12	ng	96
30) Bis(2-ethylhexyl)phthalate	21.16	149	1090	0.13	ng	# 98
31) Indeno(1,2,3-cd)pyrene	25.70	276	1674	0.12	ng	99
33) Benzo(b)fluoranthene	22.80	252	1691	0.12	ng	# 85
34) Benzo(k)fluoranthene	22.84	252	1467	0.12	ng	# 84
35) Benzo(a)pyrene	23.37	252	1415	0.12	ng	# 79
36) Dibenzo(a,h)anthracene	25.72	278	1341	0.11	ng	# 82
37) Benzo(g,h,i)perylene	26.39	276	1521	0.12	ng	# 86

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

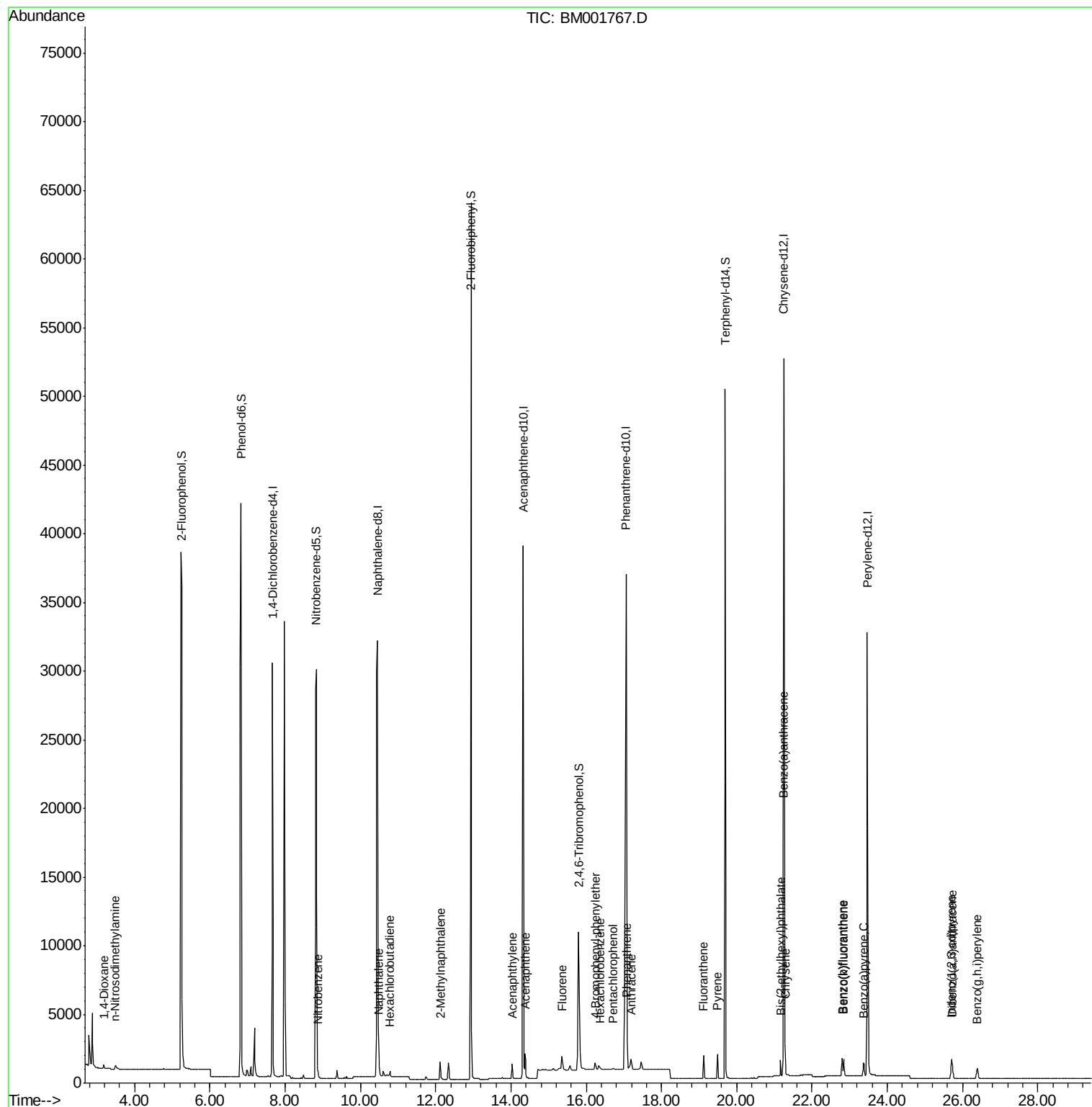
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061915\
Data File : BM001767.D
Acq On : 19 Jun 2015 18:15
Operator : TP/IZ
Sample : G2653-04
Misc : LOQ-SIM-SOIL-2PPM
ALS Vial : 27 Sample Multiplier: 1

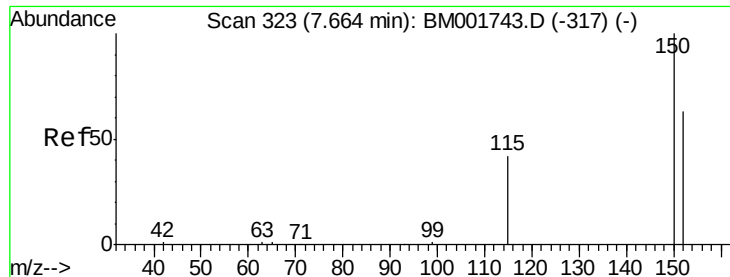
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

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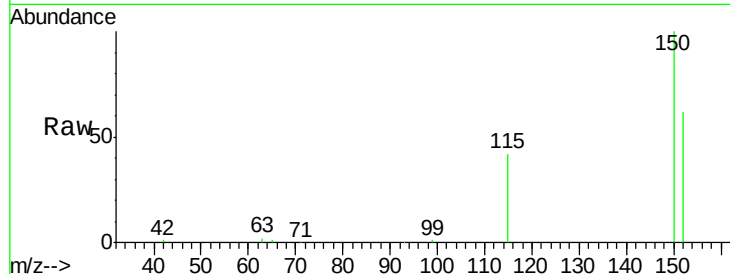
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.66 min Scan# 323
 Delta R.T. 0.00 min
 Lab File: BM001767.D
 Acq: 19 Jun 2015 18:15

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2015-02

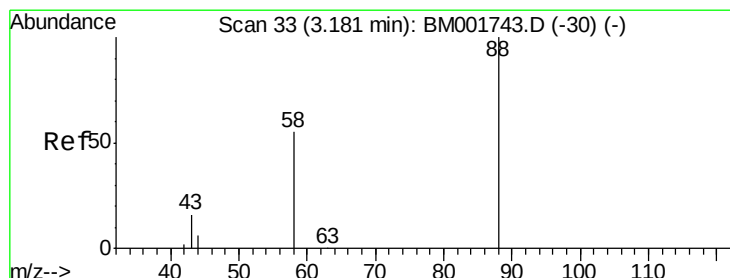
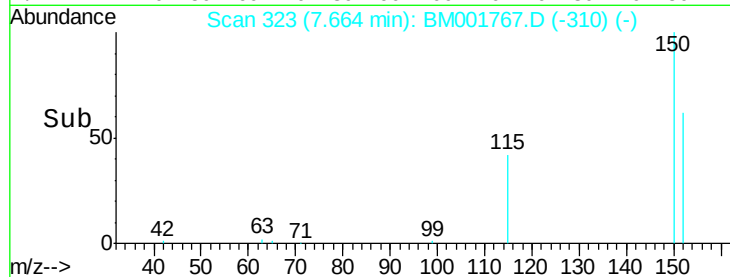
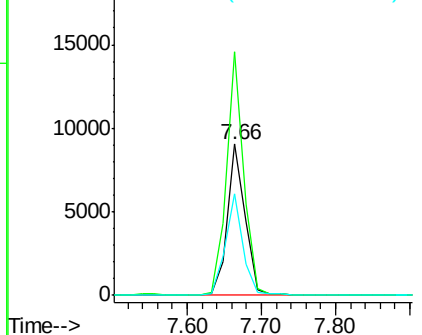
Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.9	127.5	191.3
115	67.5	53.2	79.8

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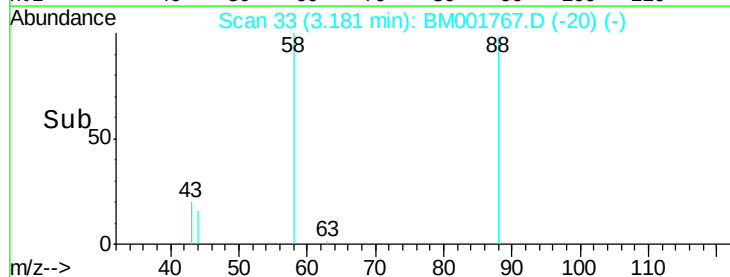
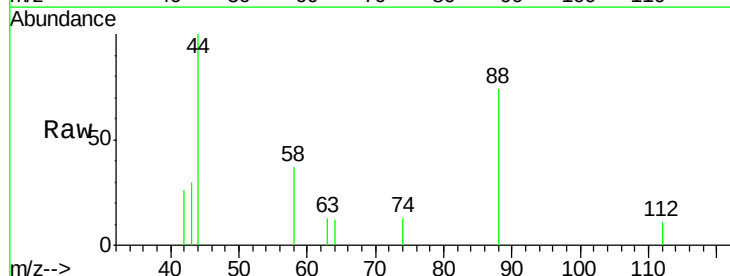
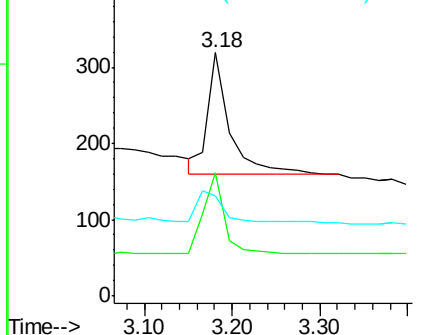
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

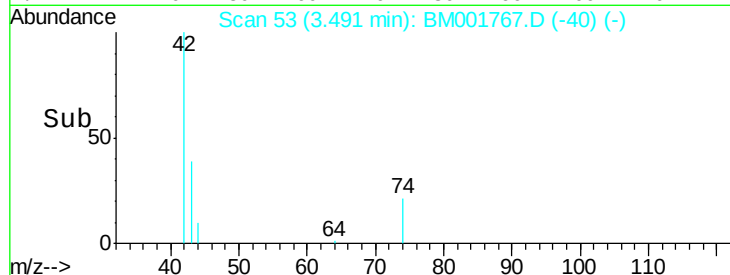
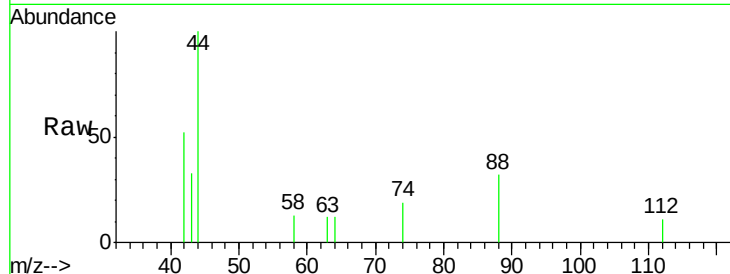
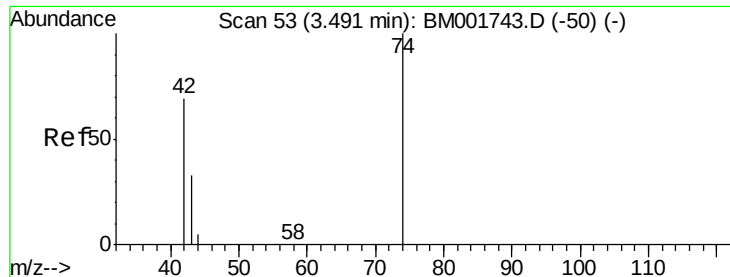


#2
 1,4-Dioxane
 Concen: 0.17 ng
 RT: 3.18 min Scan# 33
 Delta R.T. 0.00 min
 Lab File: BM001767.D
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Tgt Ion	Ratio	Lower	Upper
88	100		
58	64.0	68.3	102.5#
43	27.9	32.6	48.8#

Abundance Ion 88.00 (87.70 to 88.70): BM0
 Ion 58.00 (57.70 to 58.70): BM0
 Ion 43.00 (42.70 to 43.70): BM0





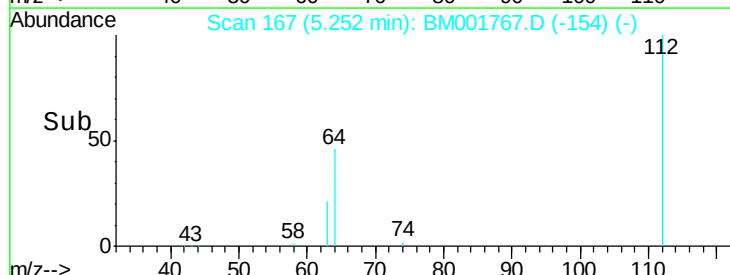
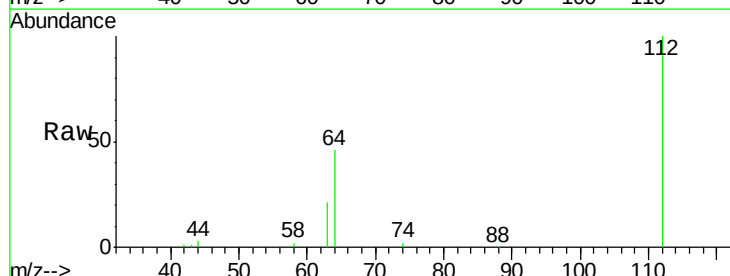
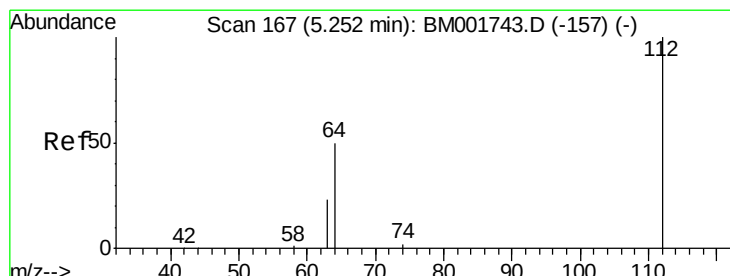
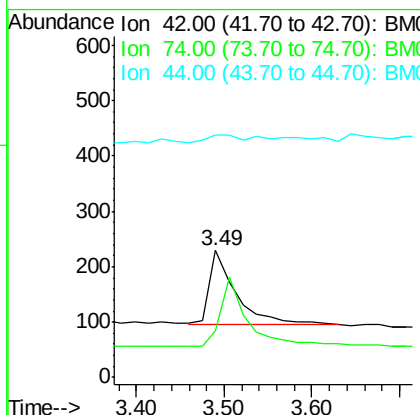
#3
n-Nitrosodimethylamine
Concen: 0.11 ng
RT: 3.49 min Scan# 53
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:	42	Resp:	281
Ion	Ratio	Lower	Upper
42	100		
74	96.4	78.6	118.0
44	10.0	5.0	7.6#

Instrument :
BNA_M
ClientSampleId :
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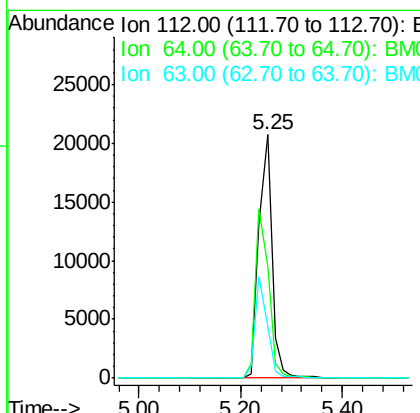
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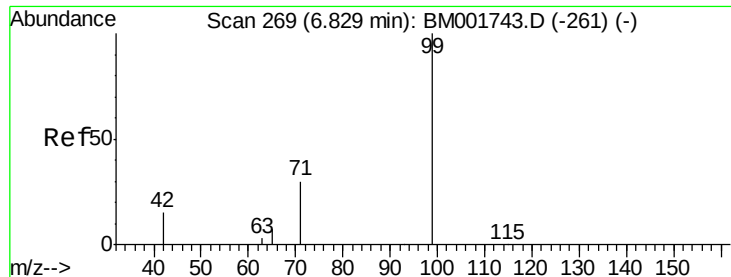
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#4
2-Fluorophenol
Concen: 10.46 ng
RT: 5.25 min Scan# 167
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion:	112	Resp:	35819
Ion	Ratio	Lower	Upper
112	100		
64	69.6	55.6	83.4
63	38.5	30.2	45.2





#5

Phenol-d6

Concen: 10.62 ng

RT: 6.83 min Scan# 269

Delta R.T. 0.00 min

Lab File: BM001767.D

Acq: 19 Jun 2015 18:15

Instrument :

BNA_M

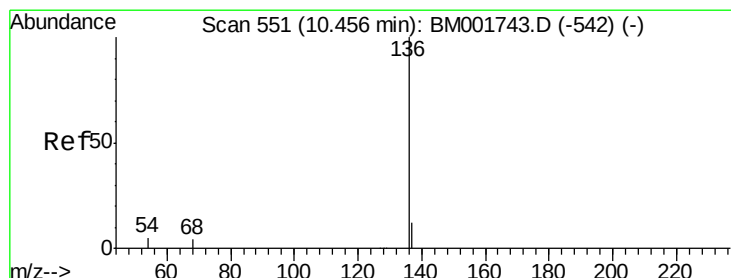
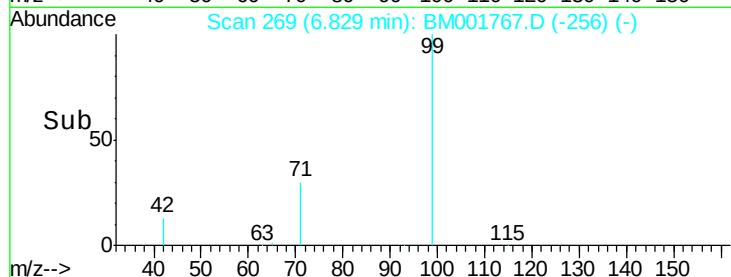
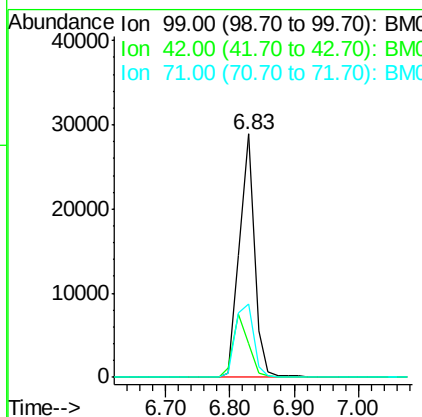
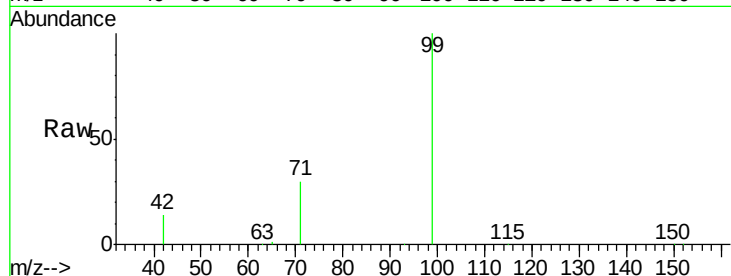
ClientSampleId :

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Tgt Ion:	99	Resp:	46807
Ion Ratio	Lower	Upper	
99	100		
42	25.9	21.4	32.0
71	36.1	28.3	42.5

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#6

Naphthalene-d8

Concen: 5.00 ng

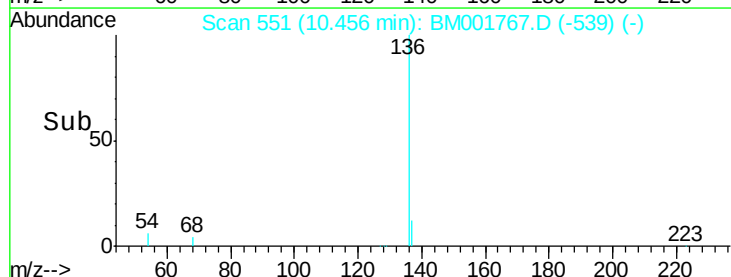
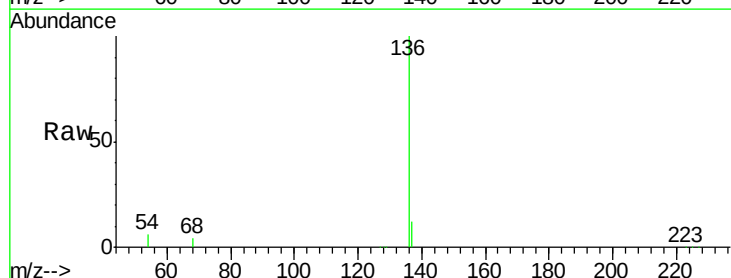
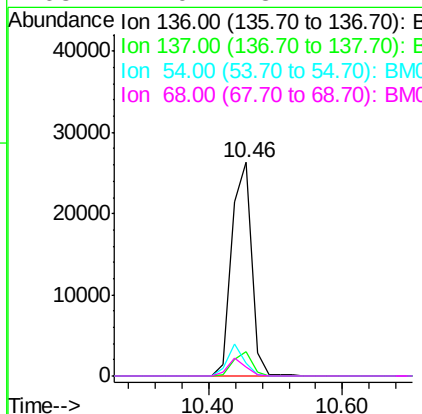
RT: 10.46 min Scan# 551

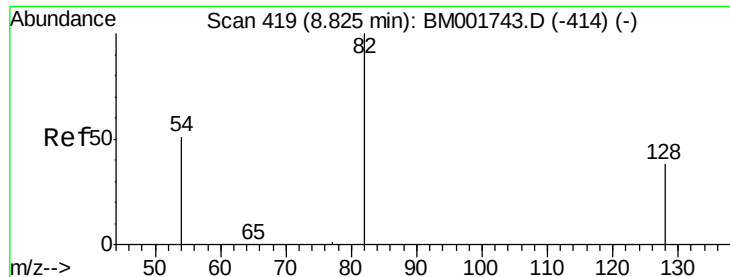
Delta R.T. 0.00 min

Lab File: BM001767.D

Acq: 19 Jun 2015 18:15

Tgt Ion:	136	Resp:	53847
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.4	14.0
54	5.8	4.4	6.6
68	4.0	3.1	4.7





#7

Nitrobenzene-d5

Concen: 6.52 ng

RT: 8.83 min Scan# 419

Delta R.T. 0.00 min

Lab File: BM001767.D

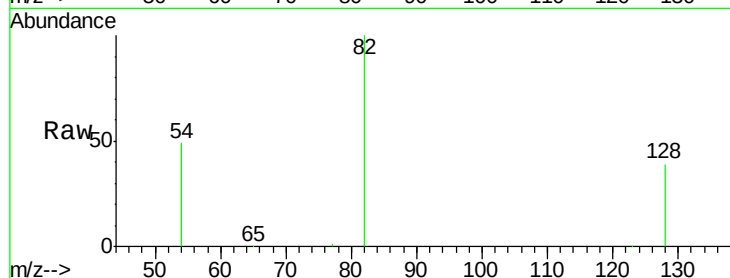
Acq: 19 Jun 2015 18:15

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion: 82 Resp: 27416

Ion Ratio Lower Upper

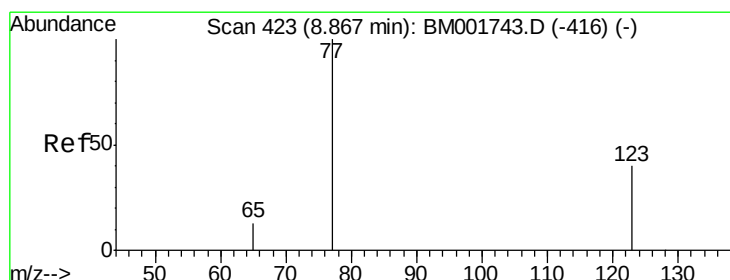
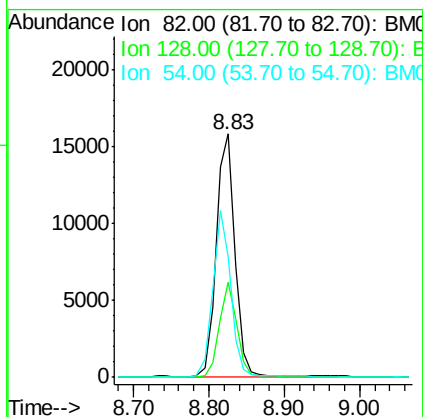
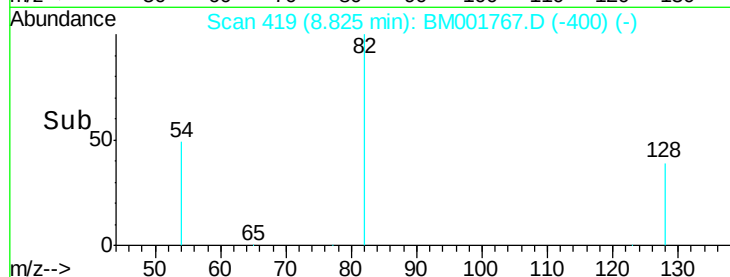
82 100

128 39.2 31.3 46.9

54 49.4 41.9 62.9

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#8

Nitrobenzene

Concen: 0.15 ng

RT: 8.87 min Scan# 423

Delta R.T. 0.00 min

Lab File: BM001767.D

Acq: 19 Jun 2015 18:15

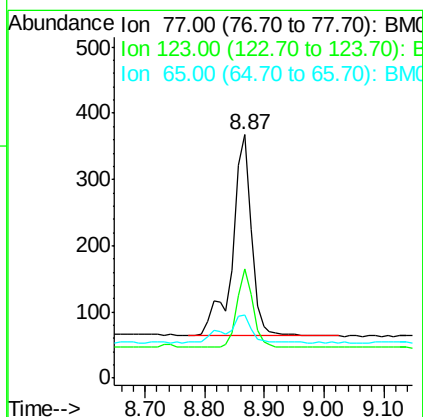
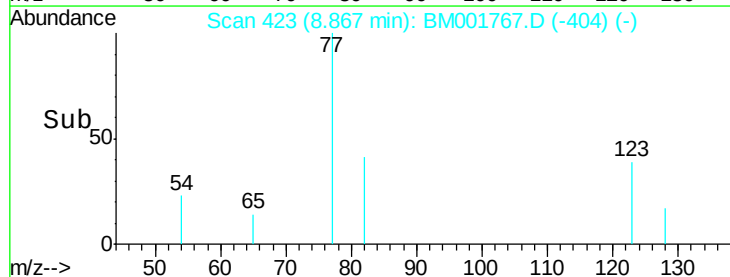
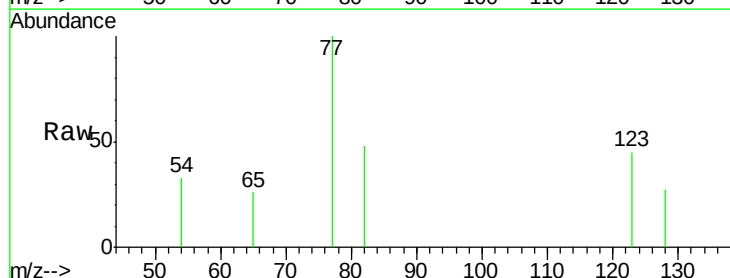
Tgt Ion: 77 Resp: 669

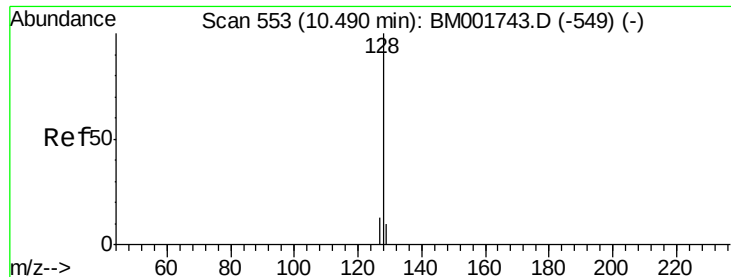
Ion Ratio Lower Upper

77 100

123 32.0 30.1 45.1

65 18.8 11.3 16.9#





#9

Naphthalene

Concen: 0.12 ng

RT: 10.49 min Scan# 553

Delta R.T. 0.00 min

Lab File: BM001767.D

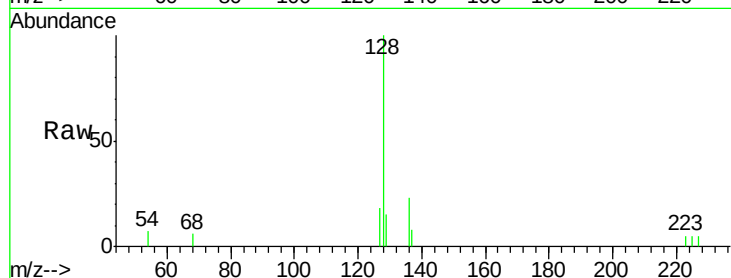
Acq: 19 Jun 2015 18:15

Instrument :

BNA_M

ClientSampleId :

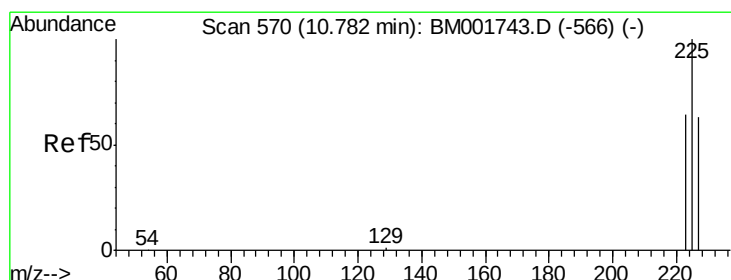
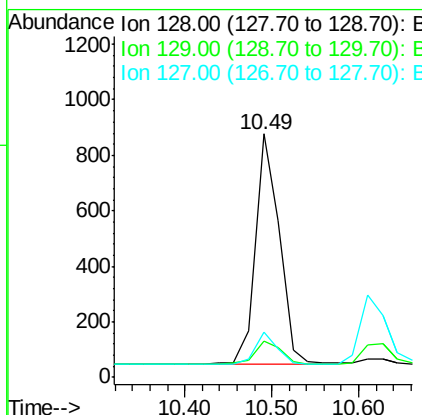
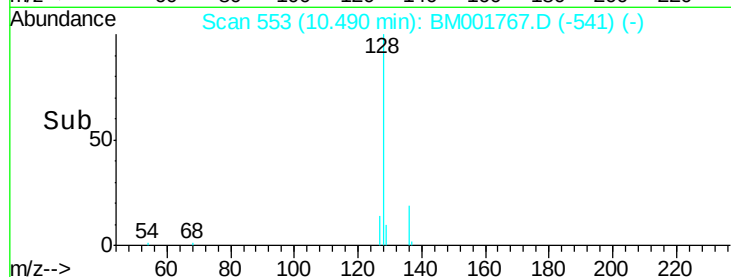
LOQ-SOIL2015-02



Tgt Ion:	128	Resp:	1568
Ion Ratio	Lower	Upper	
128	100		
129	14.9	8.7	13.1#
127	18.5	11.2	16.8#

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#10

Hexachlorobutadiene

Concen: 0.12 ng

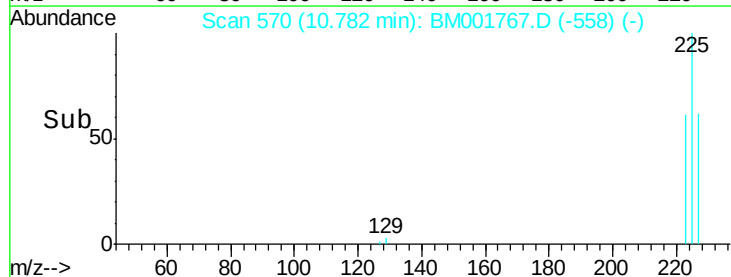
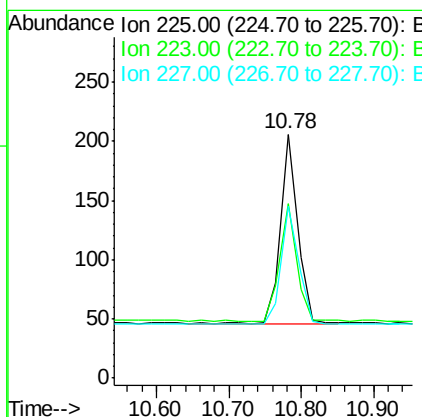
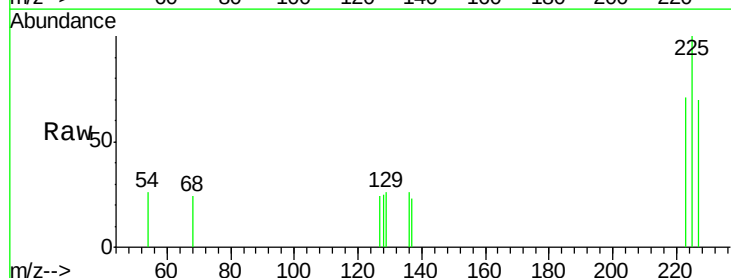
RT: 10.78 min Scan# 570

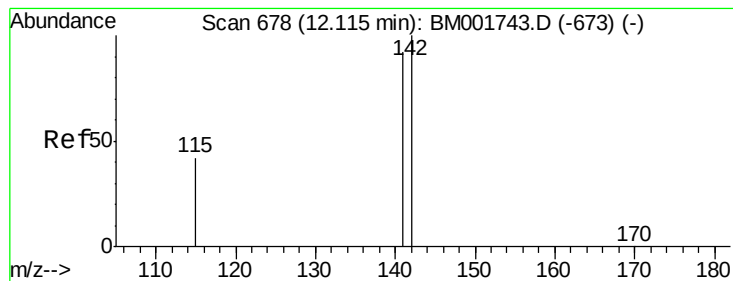
Delta R.T. 0.00 min

Lab File: BM001767.D

Acq: 19 Jun 2015 18:15

Tgt Ion:	225	Resp:	268
Ion Ratio	Lower	Upper	
225	100		
223	61.2	51.0	76.4
227	61.6	51.8	77.8





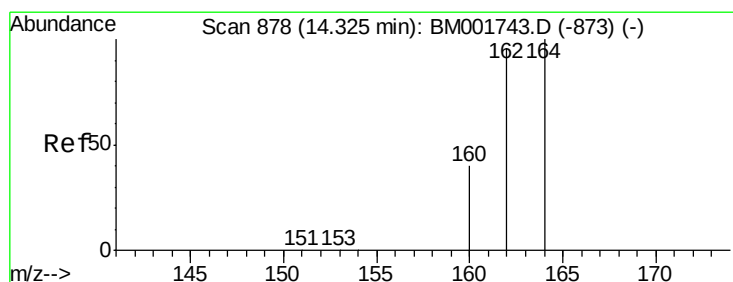
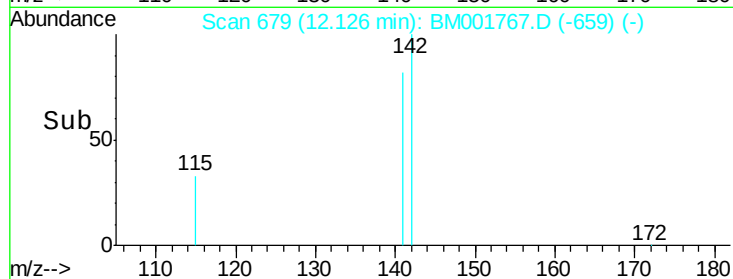
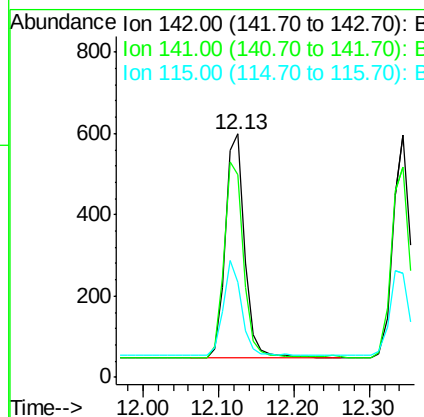
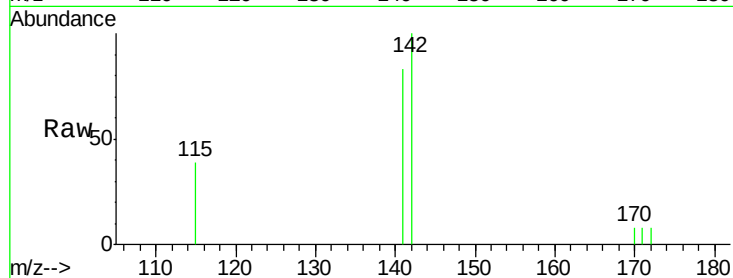
#11
2-Methylnaphthalene
Concen: 0.12 ng
RT: 12.13 min Scan# 679
Delta R.T. 0.01 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

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Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.3	73.6	110.4
115	39.2	34.1	51.1

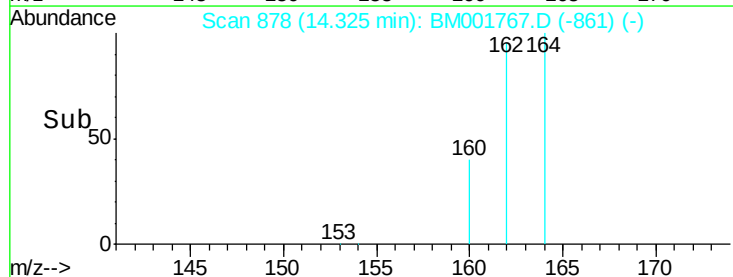
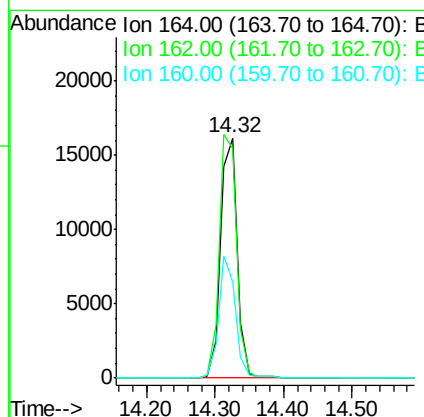
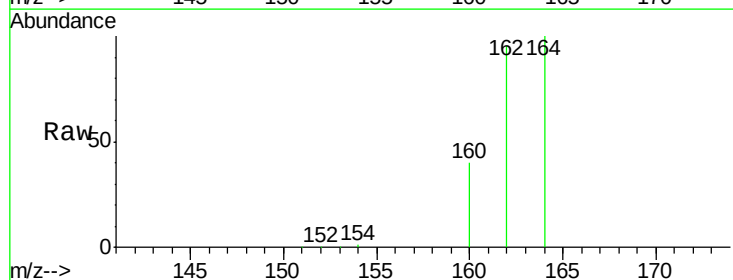
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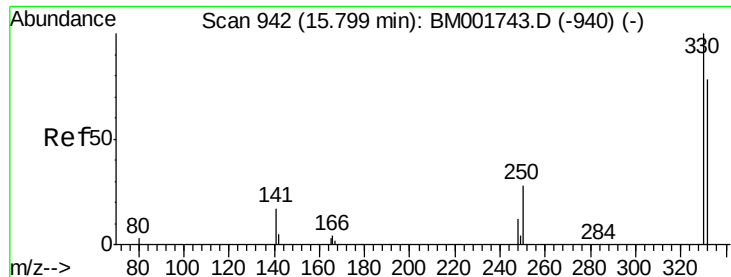
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.32 min Scan# 878
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.5	76.6	114.8
160	39.9	31.8	47.8





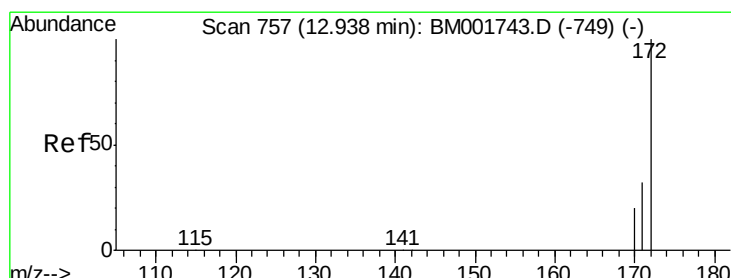
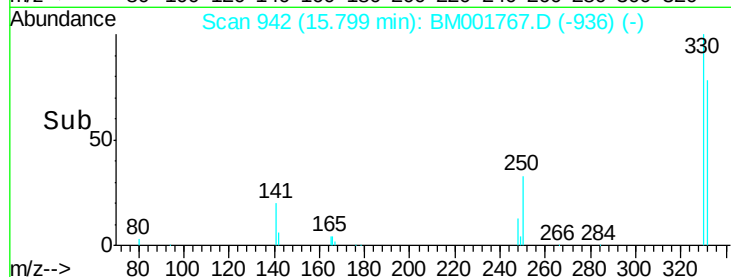
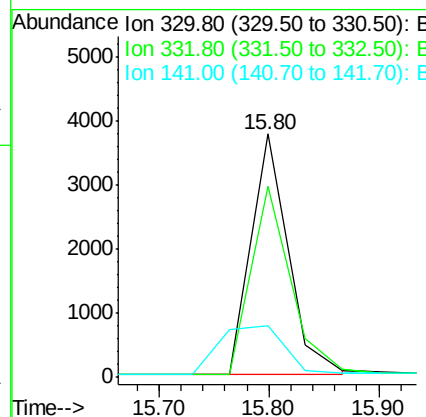
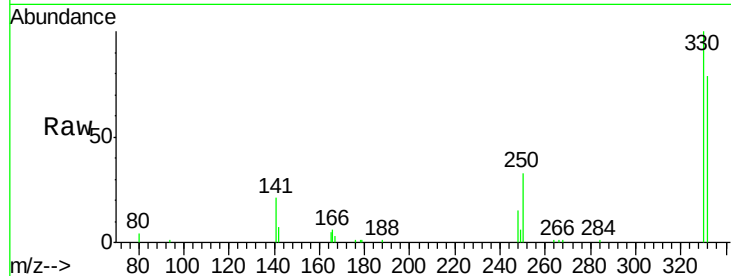
#13
 2,4,6-Tribromophenol
 Concen: 10.44 ng
 RT: 15.80 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BM001767.D
 Acq: 19 Jun 2015 18:15

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	83.4	65.8	98.8
141	35.7	0.0	0.0#

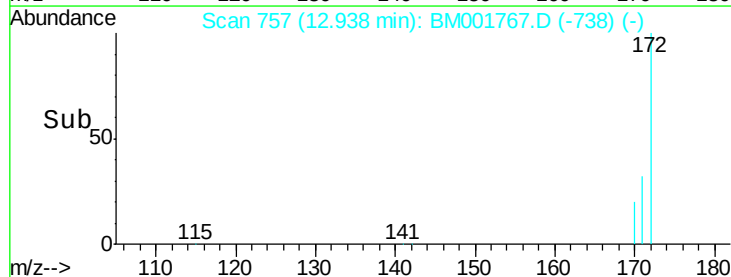
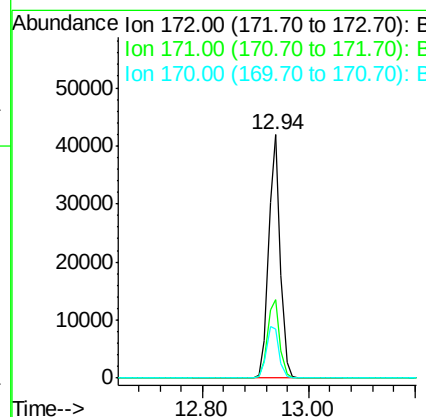
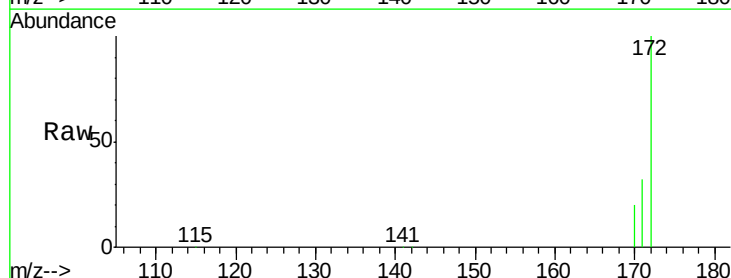
Manual Integrations
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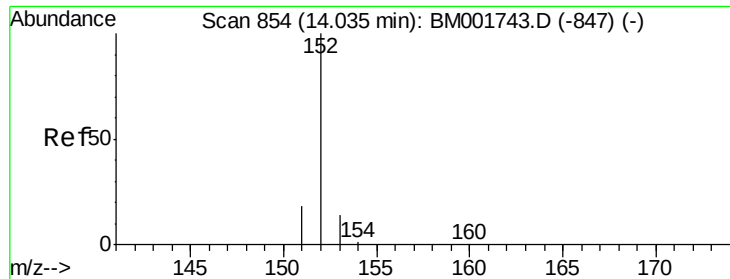
apatel
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#14
 2-Fluorobiphenyl
 Concen: 6.51 ng
 RT: 12.94 min Scan# 757
 Delta R.T. 0.00 min
 Lab File: BM001767.D
 Acq: 19 Jun 2015 18:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.1	26.2	39.2
170	20.0	16.6	24.8





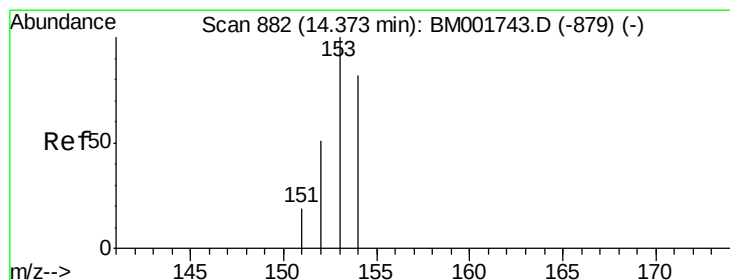
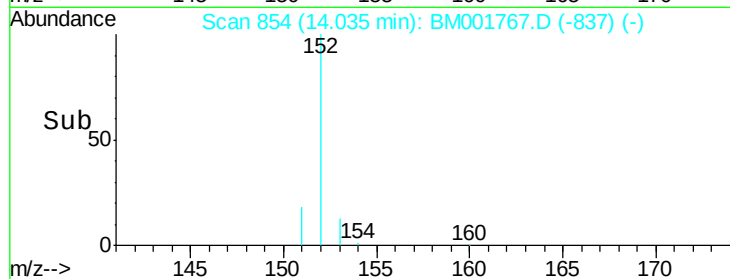
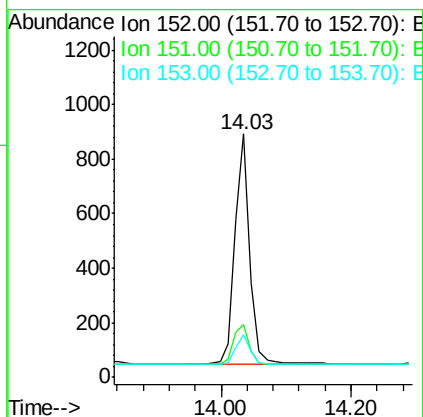
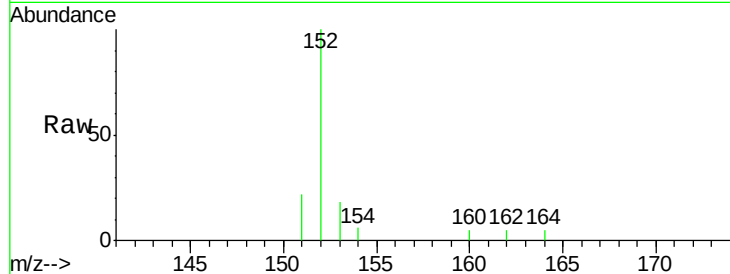
#15
Acenaphthylene
Concen: 0.11 ng
RT: 14.03 min Scan# 854
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	13.3	10.4	15.6

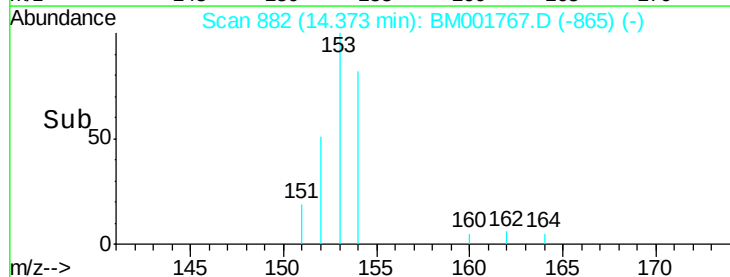
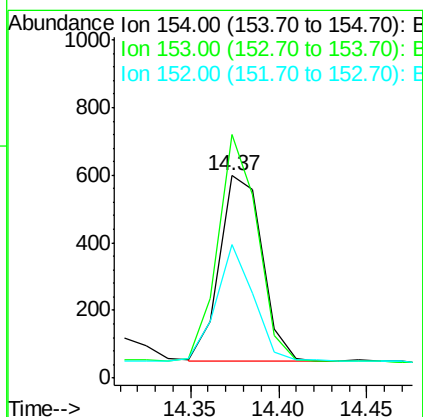
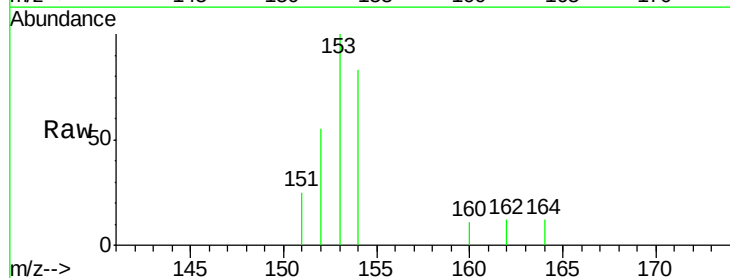
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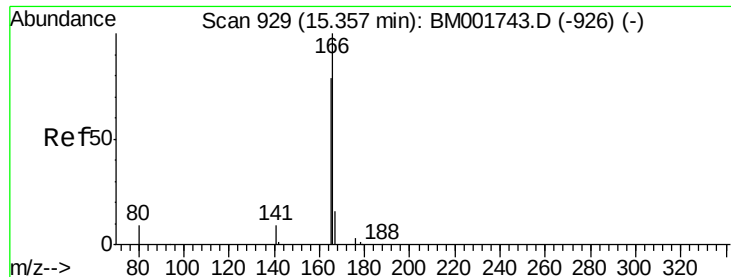
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#16
Acenaphthene
Concen: 0.12 ng
RT: 14.37 min Scan# 882
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.0	90.0	135.0
152	55.9	44.2	66.4





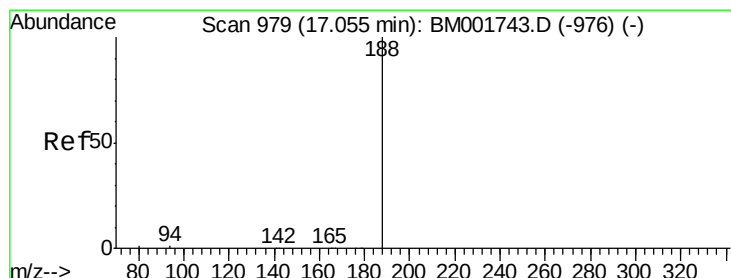
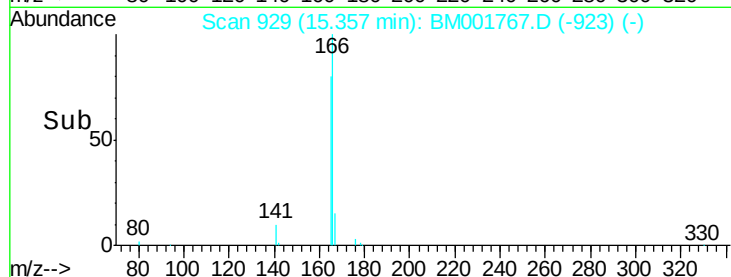
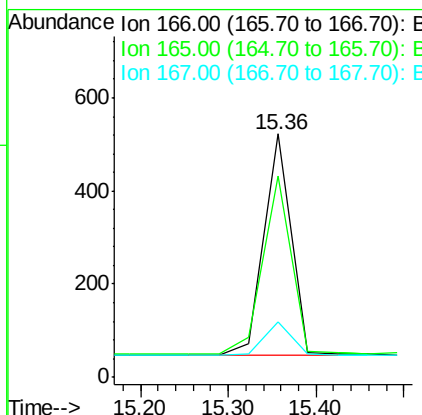
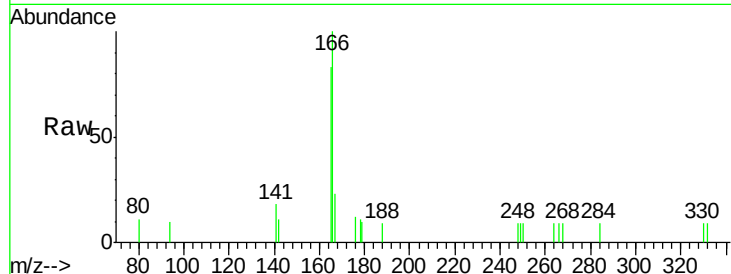
#17
Fluorene
Concen: 0.15 ng
RT: 15.36 min Scan# 929
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
166	100		
165	83.5	68.2	102.2
167	15.4	12.2	18.2

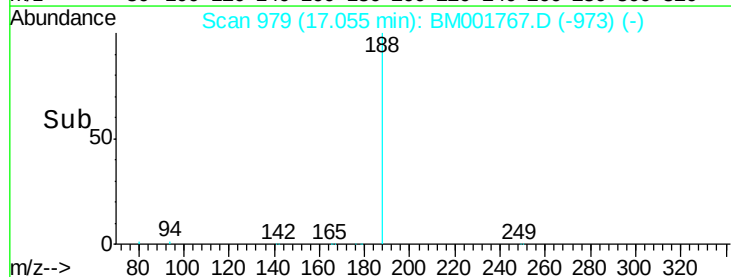
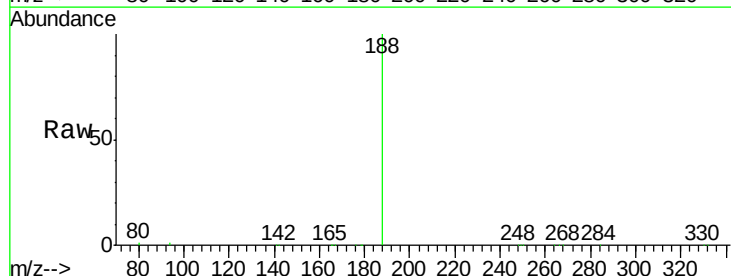
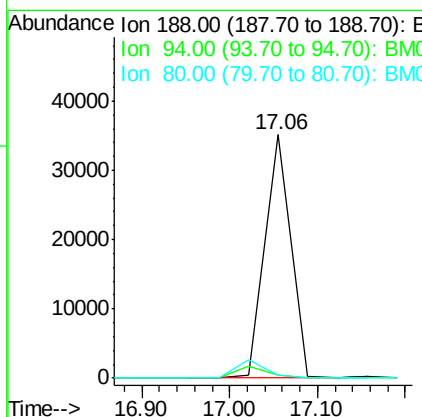
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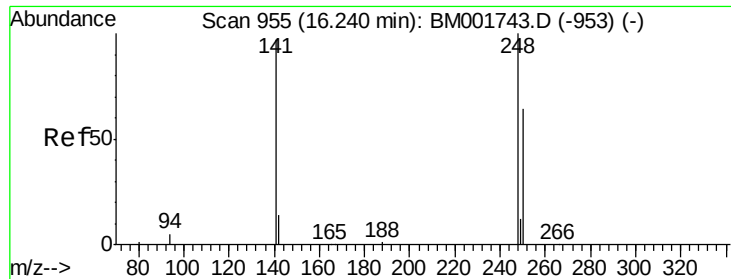
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#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	1.5	1.3	1.9
80	1.3	1.0	1.6





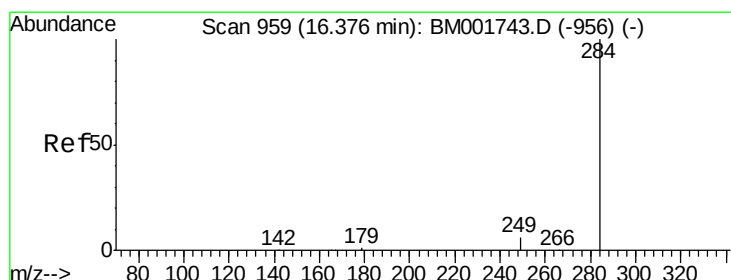
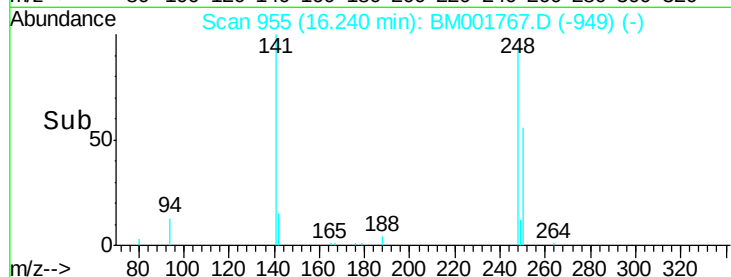
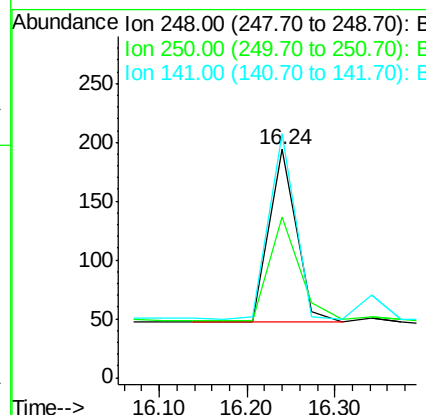
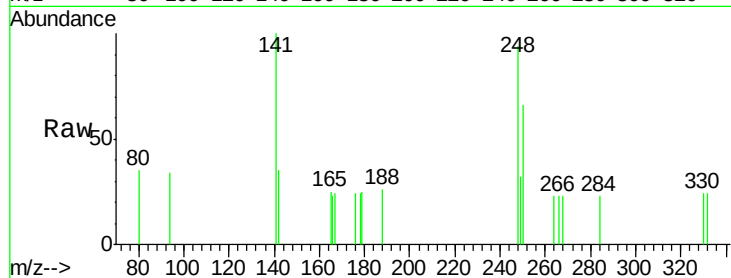
#19
4-Bromophenyl-phenylether
Concen: 0.11 ng
RT: 16.24 min Scan# 955
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
248	100		
250	67.9	54.8	82.2
141	103.1	76.2	114.4

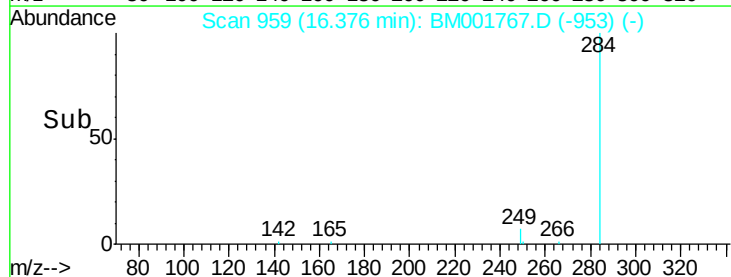
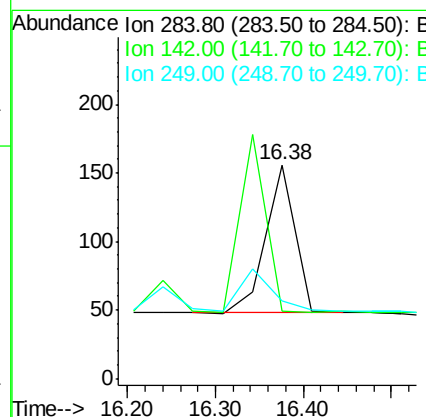
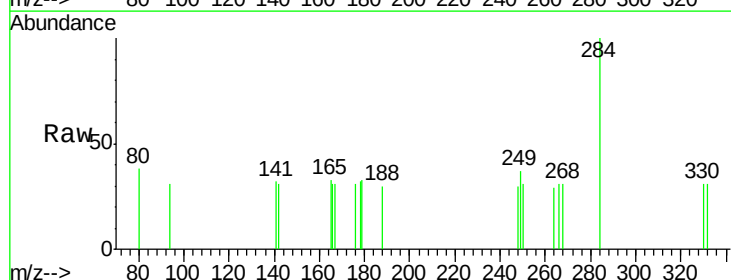
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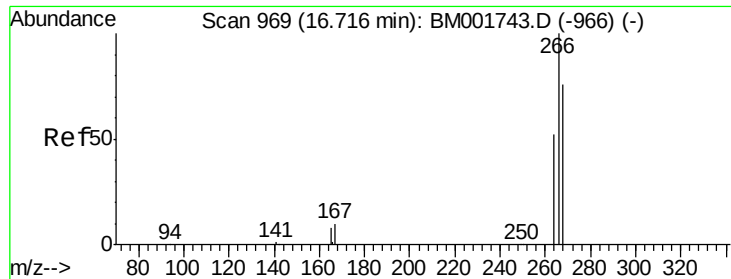
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#20
Hexachlorobenzene
Concen: 0.12 ng
RT: 16.38 min Scan# 959
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0





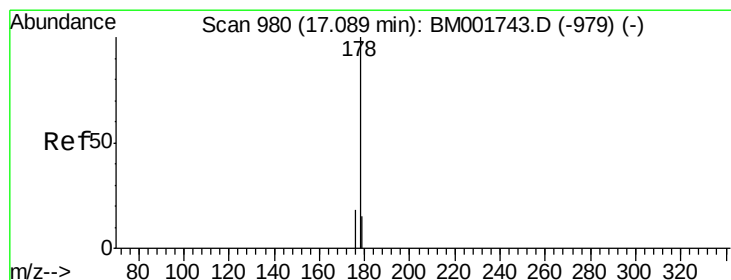
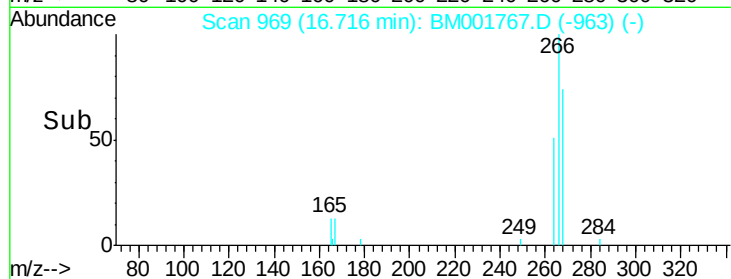
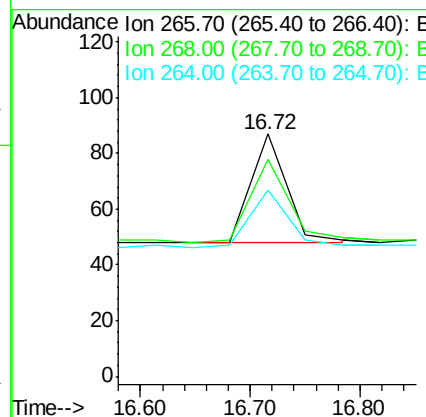
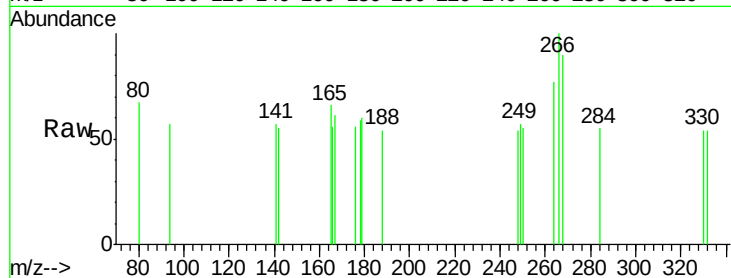
#21
 Pentachlorophenol
 Concen: 0.10 ng
 RT: 16.72 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: BM001767.D
 Acq: 19 Jun 2015 18:15

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
266	100		
268	89.7	63.2	94.8
264	77.0	46.2	69.2

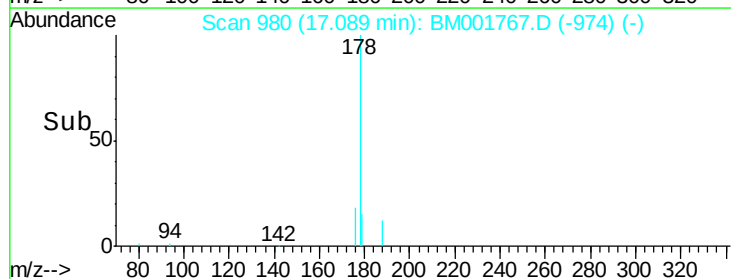
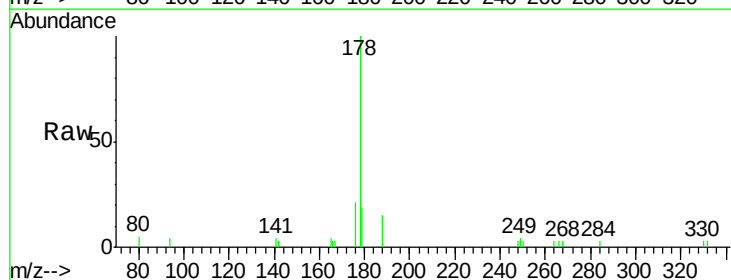
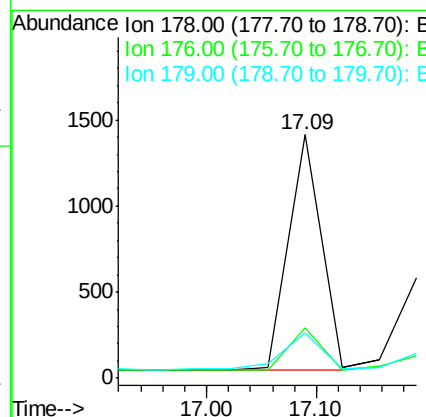
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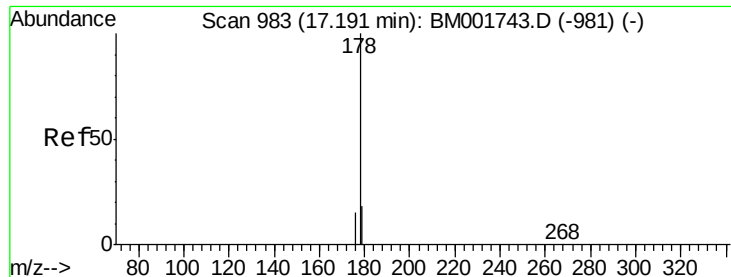
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#22
 Phenanthrene
 Concen: 0.11 ng
 RT: 17.09 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BM001767.D
 Acq: 19 Jun 2015 18:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	17.8	12.6	19.0





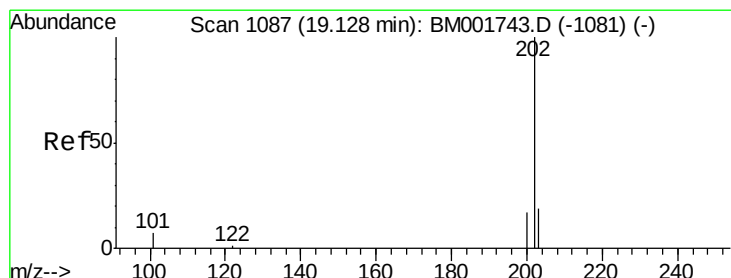
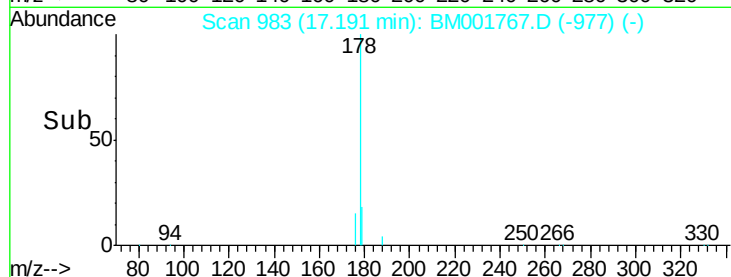
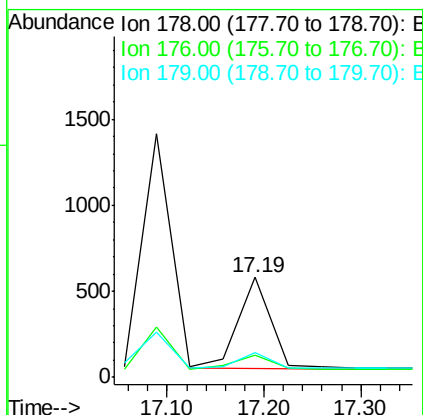
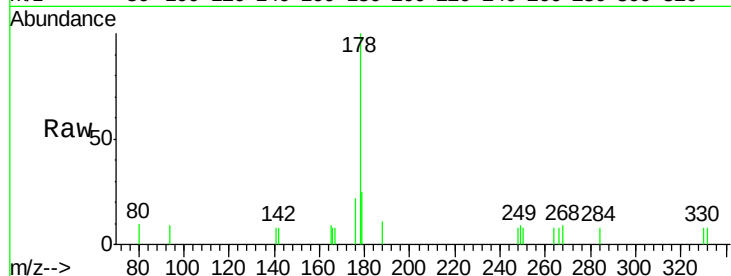
#23
 Anthracene
 Concen: 0.12 ng m
 RT: 17.19 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: BM001767.D
 Acq: 19 Jun 2015 18:15

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	13.1	10.0	15.0
179	15.4	12.3	18.5

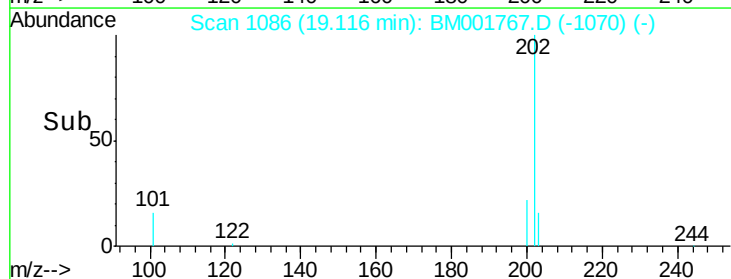
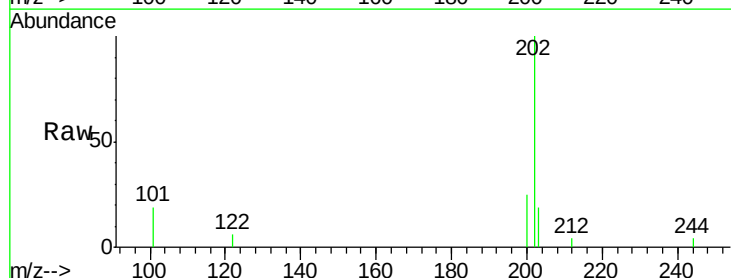
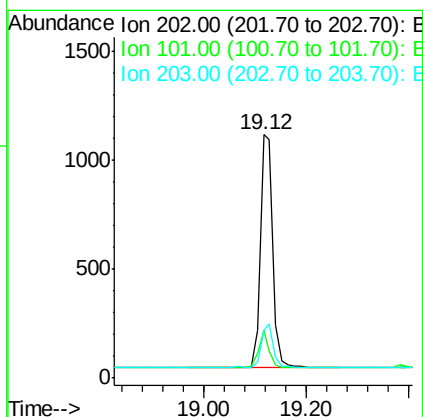
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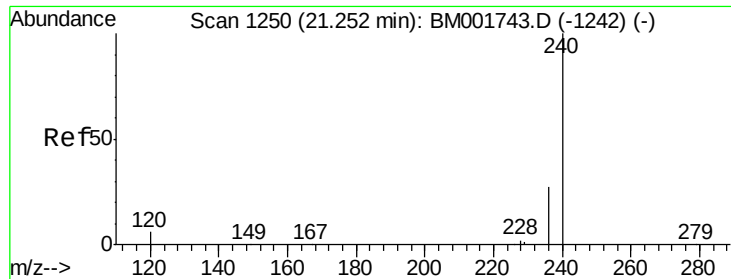
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#24
 Fluoranthene
 Concen: 0.12 ng
 RT: 19.12 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BM001767.D
 Acq: 19 Jun 2015 18:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	10.8	16.2
203	17.5	13.8	20.6





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.25 min Scan# 1250

Delta R.T. 0.00 min

Lab File: BM001767.D

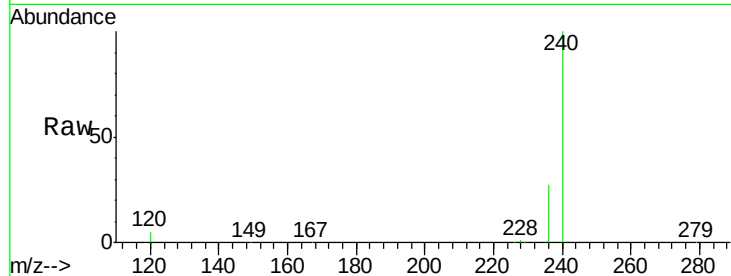
Acq: 19 Jun 2015 18:15

Instrument :

BNA_M

ClientSampleId :

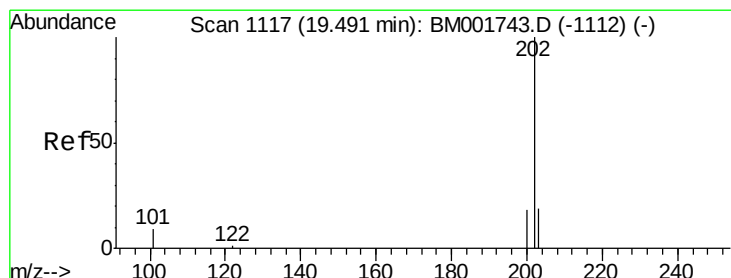
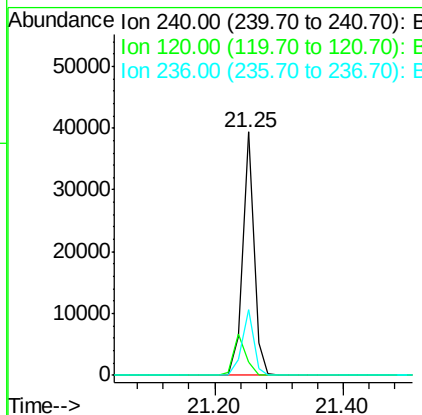
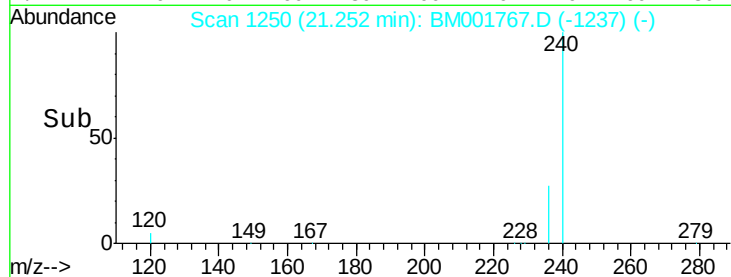
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Tgt Ion:	240	Resp:	47619
Ion Ratio	Lower	Upper	
240	100		
120	5.4	4.7	7.1
236	26.8	21.6	32.4

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#26

Pyrene

Concen: 0.12 ng

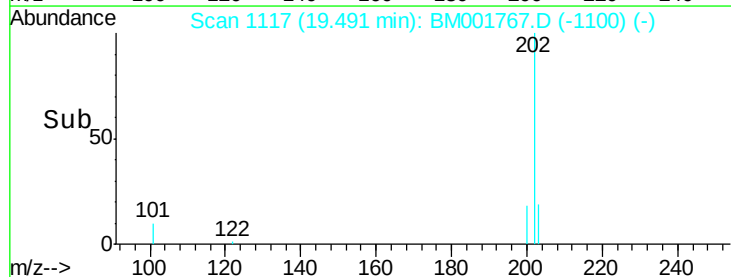
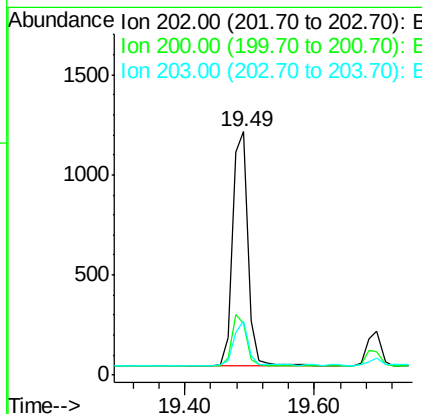
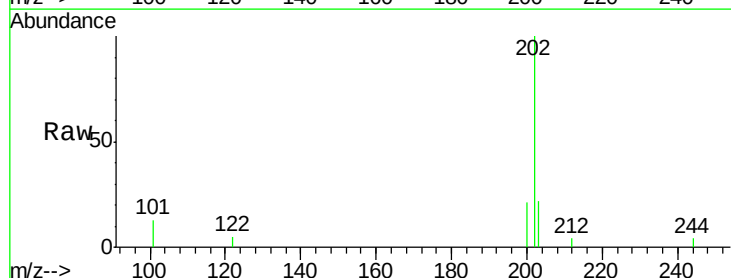
RT: 19.49 min Scan# 1117

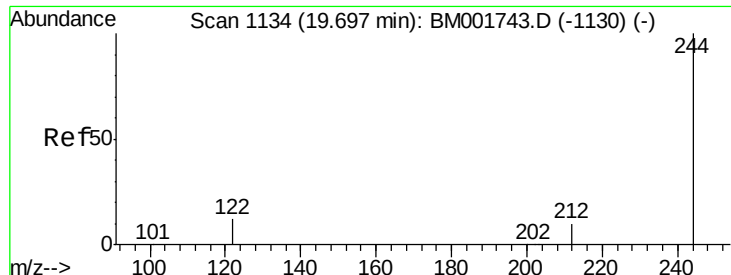
Delta R.T. 0.00 min

Lab File: BM001767.D

Acq: 19 Jun 2015 18:15

Tgt Ion:	202	Resp:	1939
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.6	24.8
203	18.2	13.9	20.9





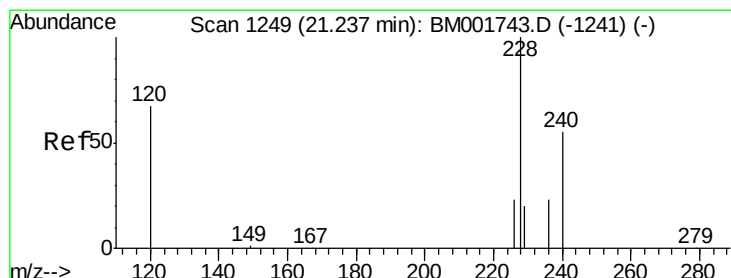
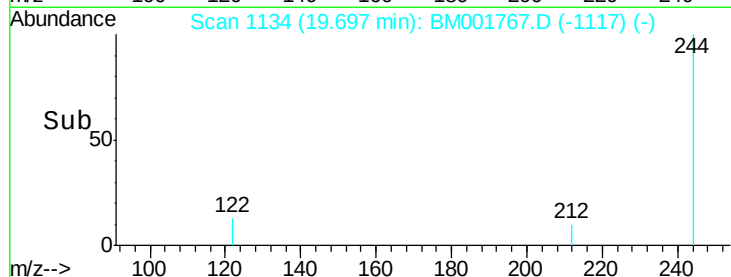
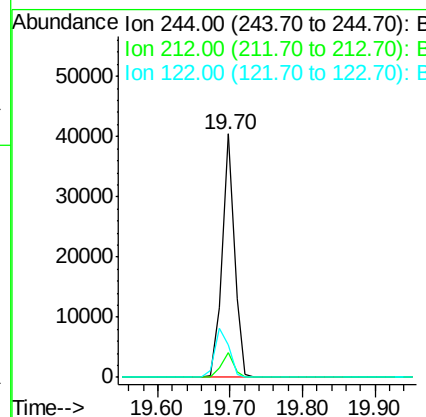
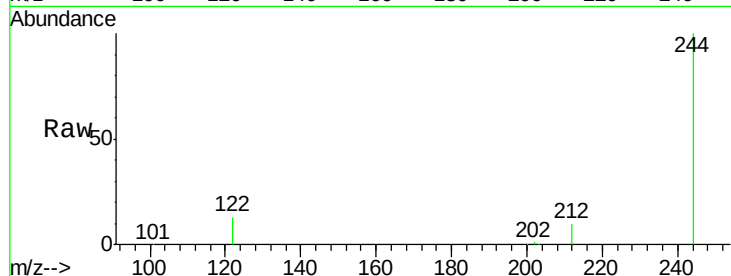
#27
 Terphenyl-d14
 Concen: 6.85 ng
 RT: 19.70 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: BM001767.D
 Acq: 19 Jun 2015 18:15

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.3	8.6	13.0
122	13.3	10.6	15.8

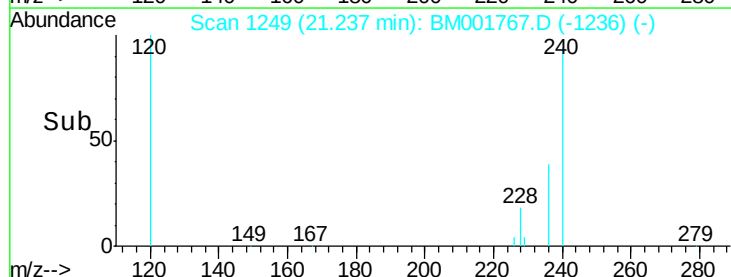
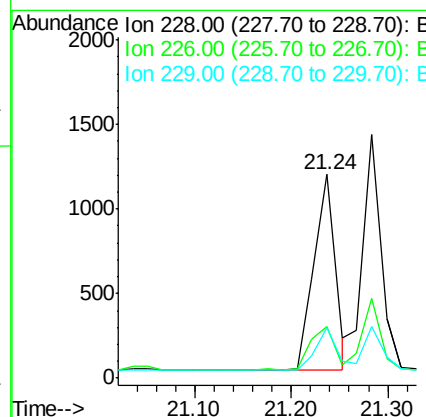
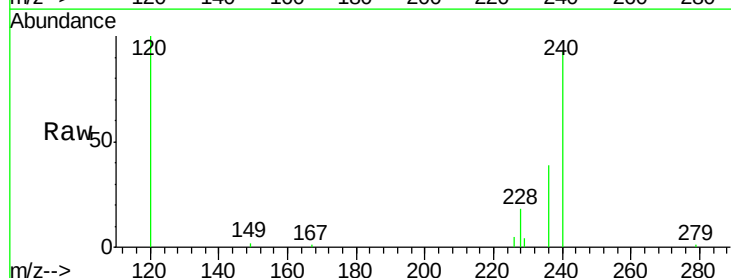
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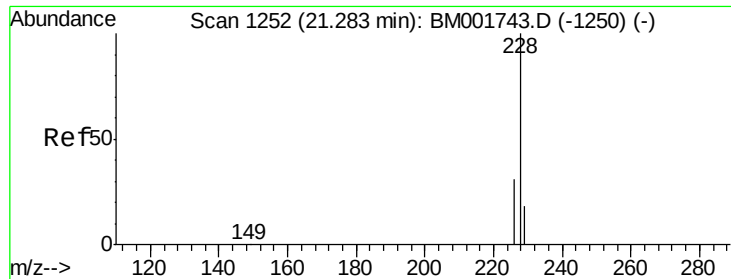
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#28
 Benzo(a)anthracene
 Concen: 0.12 ng
 RT: 21.24 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: BM001767.D
 Acq: 19 Jun 2015 18:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.3	18.9	28.3
229	24.5	16.6	25.0





#29

Chrysene

Concen: 0.12 ng

RT: 21.28 min Scan# 1252

Delta R.T. 0.00 min

Lab File: BM001767.D

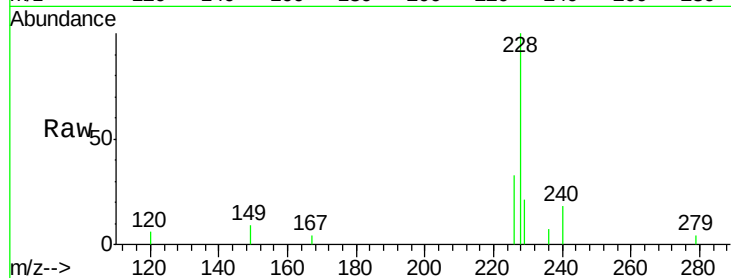
Acq: 19 Jun 2015 18:15

Instrument :

BNA_M

ClientSampleId :

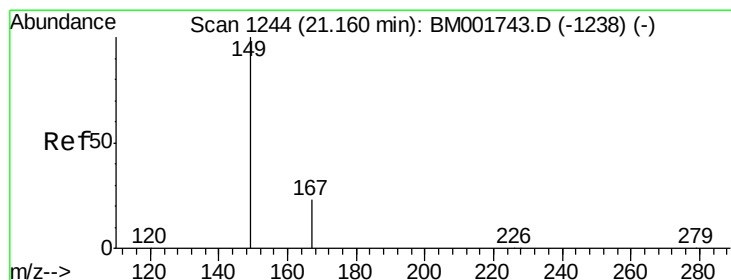
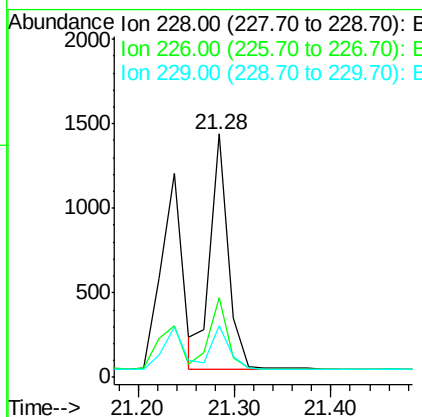
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Tgt Ion:	228	Resp:	1828
Ion Ratio		Lower	Upper
228	100		
226	32.6	24.3	36.5
229	21.1	15.0	22.6

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#30

Bis(2-ethylhexyl)phthalate

Concen: 0.13 ng

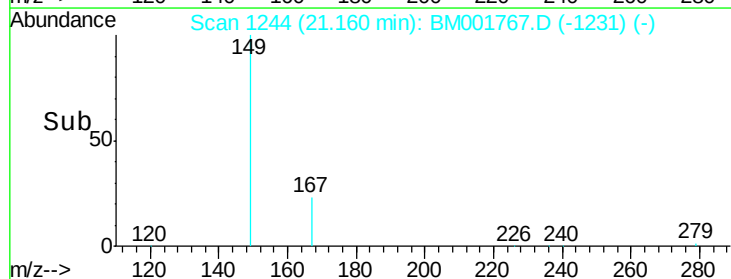
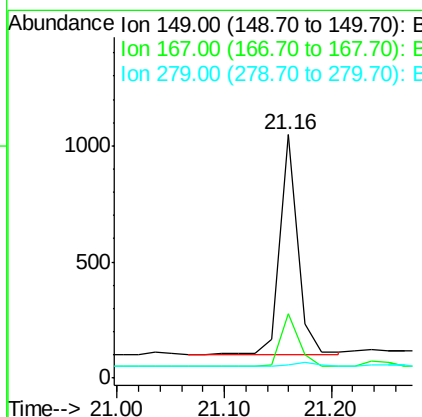
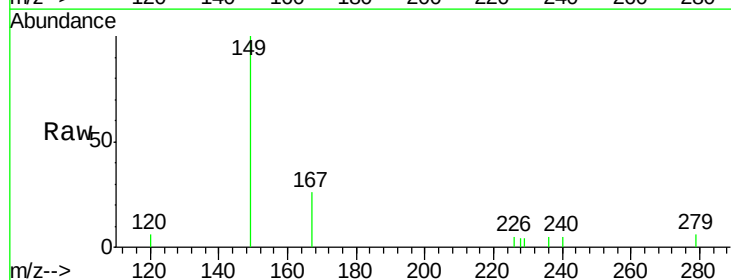
RT: 21.16 min Scan# 1244

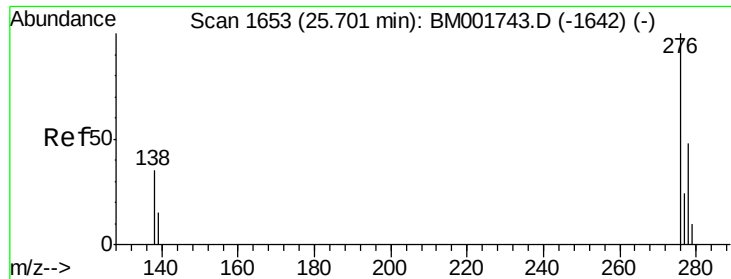
Delta R.T. 0.00 min

Lab File: BM001767.D

Acq: 19 Jun 2015 18:15

Tgt Ion:	149	Resp:	1090
Ion Ratio		Lower	Upper
149	100		
167	25.5	19.7	29.5
279	2.5	1.6	2.4#





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.12 ng

RT: 25.70 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BM001767.D

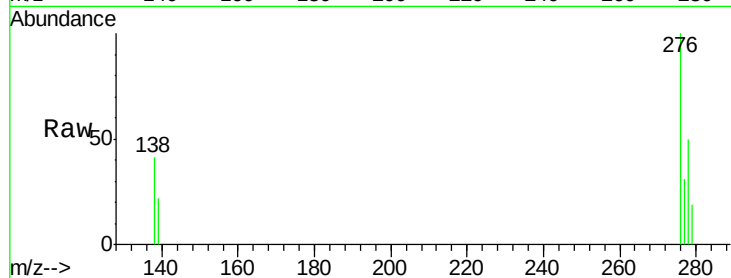
Acq: 19 Jun 2015 18:15

Instrument :

BNA_M

ClientSampleId :

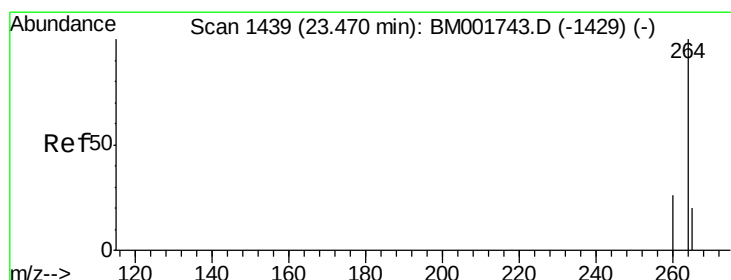
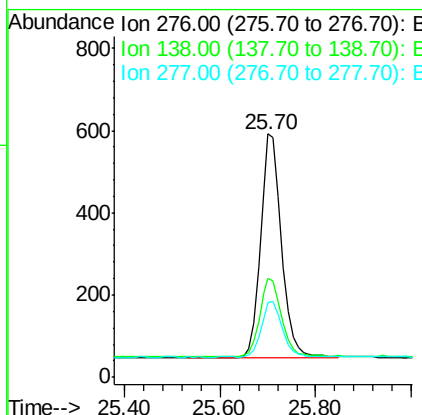
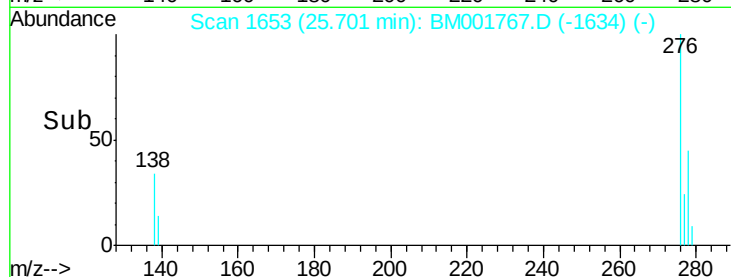
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Tgt Ion:	276	Resp:	1674
Ion Ratio	Lower	Upper	
276	100		
138	35.5	29.0	43.6
277	25.0	19.7	29.5

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#32

Perylene-d12

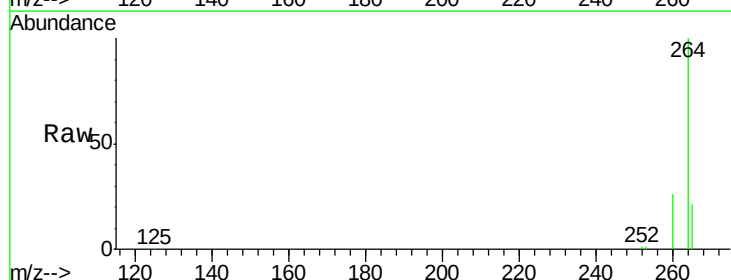
Concen: 5.00 ng

RT: 23.47 min Scan# 1439

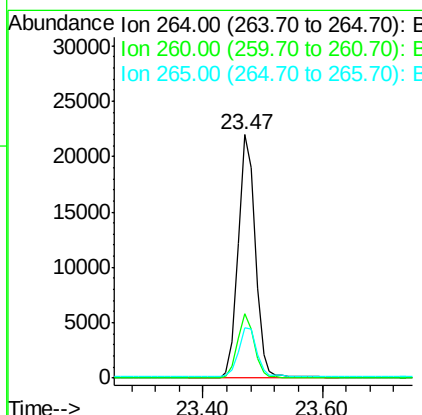
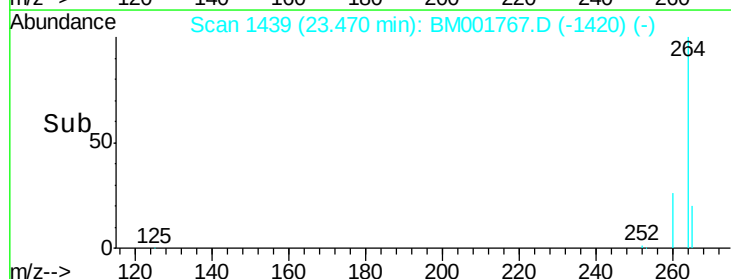
Delta R.T. 0.00 min

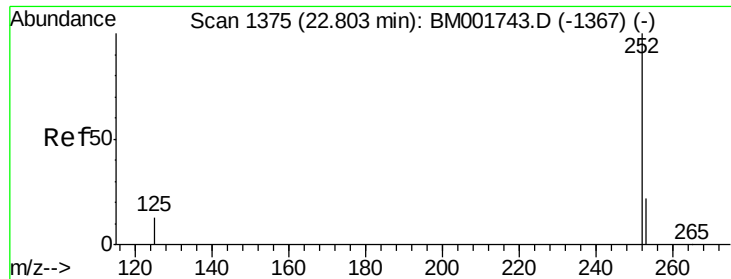
Lab File: BM001767.D

Acq: 19 Jun 2015 18:15



Tgt Ion:	264	Resp:	42816
Ion Ratio	Lower	Upper	
264	100		
260	26.4	20.8	31.2
265	20.8	16.8	25.2





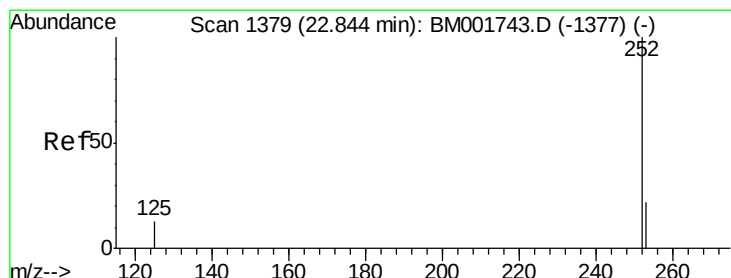
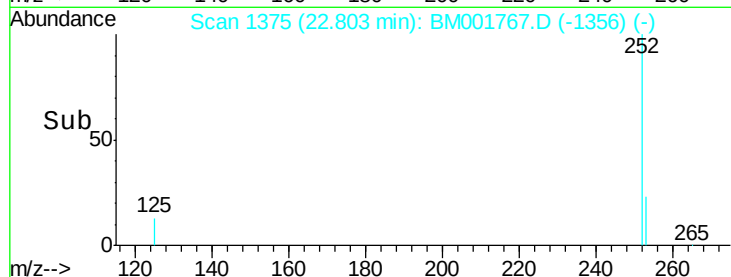
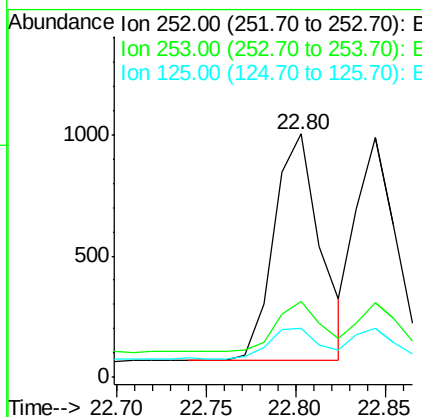
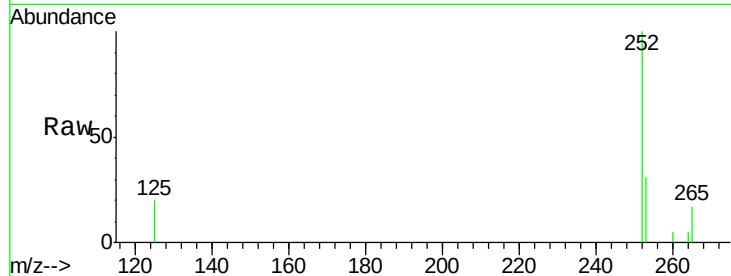
#33
Benzo(b)fluoranthene
Concen: 0.12 ng
RT: 22.80 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.3	19.0	28.4#
125	19.9	11.3	16.9#

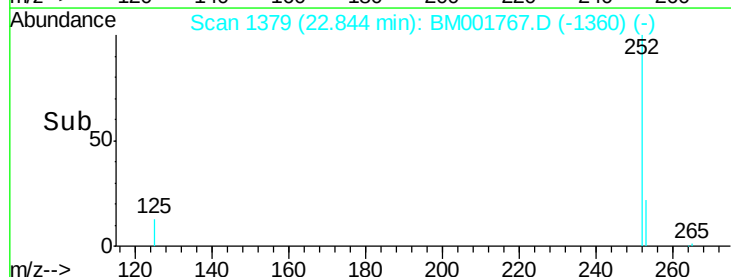
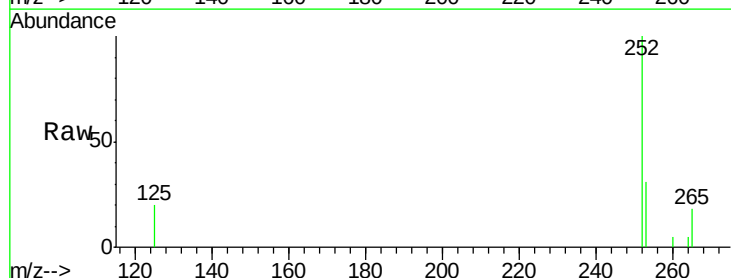
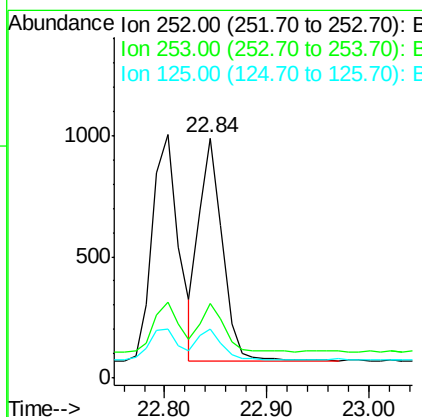
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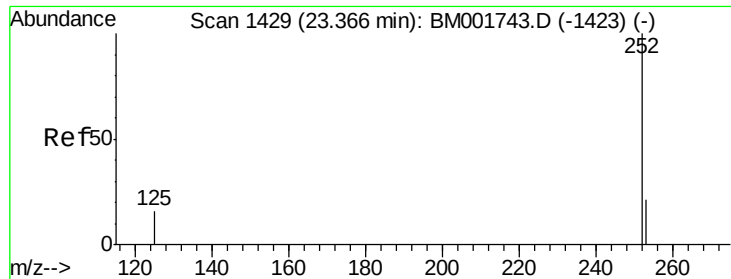
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#34
Benzo(k)fluoranthene
Concen: 0.12 ng
RT: 22.84 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.2	18.2	27.4#
125	20.2	11.8	17.6#





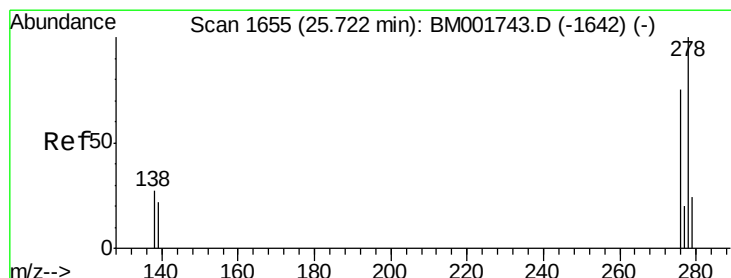
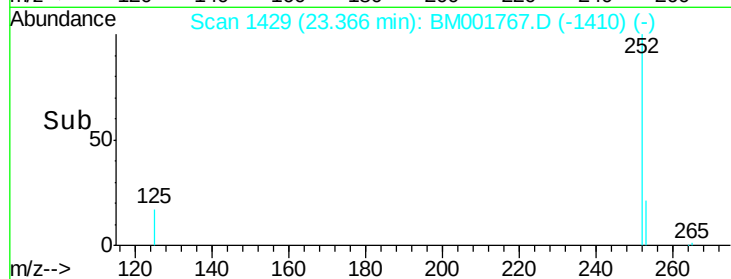
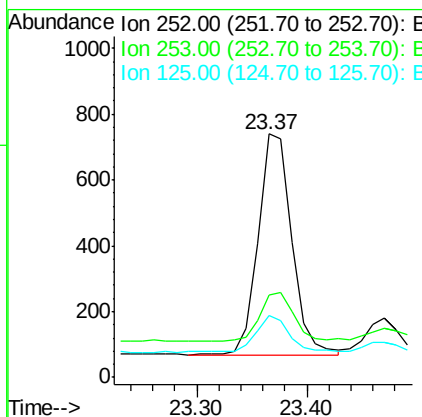
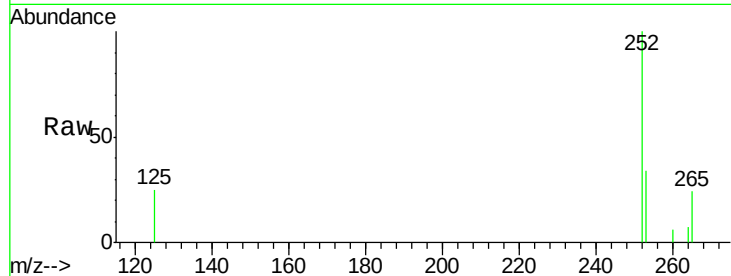
#35
Benzo(a)pyrene
Concen: 0.12 ng
RT: 23.37 min Scan# 1429
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.8	17.9	26.9#
125	25.4	14.1	21.1#

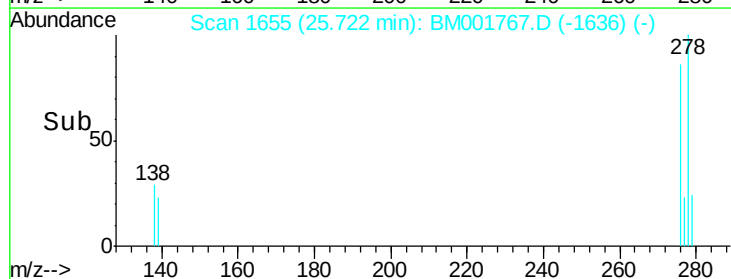
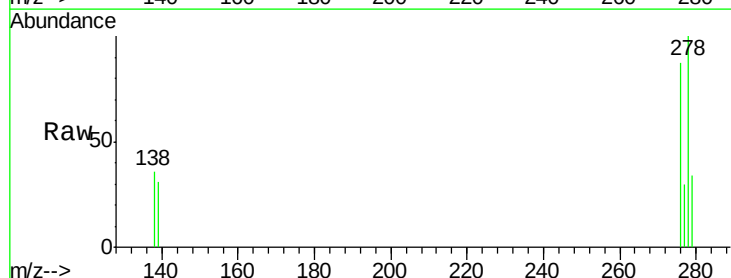
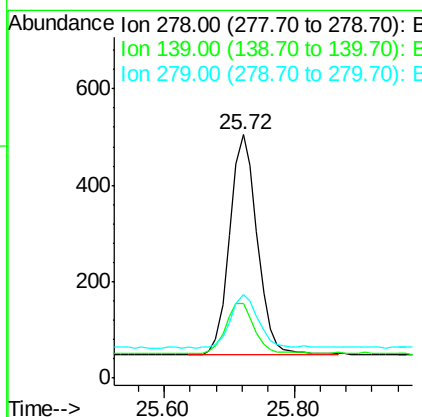
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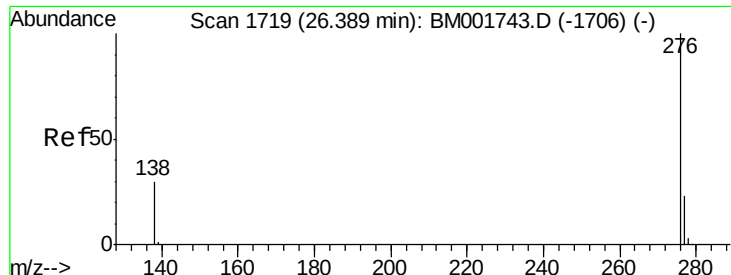
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#36
Dibenzo(a,h)anthracene
Concen: 0.11 ng
RT: 25.72 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BM001767.D
Acq: 19 Jun 2015 18:15

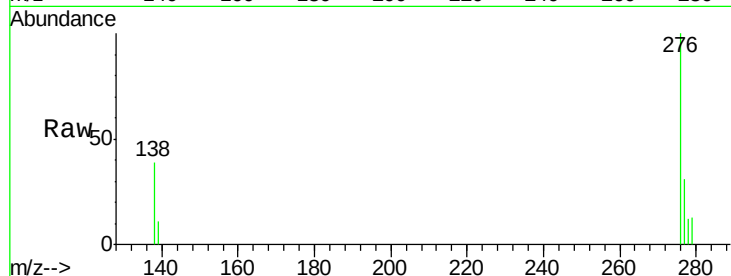
Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.7	18.4	27.6#
279	34.5	19.8	29.8#





#37
 Benzo(g,h,i)perylene
 Concen: 0.12 ng
 RT: 26.39 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BM001767.D
 Acq: 19 Jun 2015 18:15

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL2015-02



Tgt	Ion	276	Resp:	1521
Ion	Ratio	Lower	Upper	
276	100			
277	30.8	19.3	28.9#	
138	38.6	24.7	37.1#	

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