

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120715\
 Data File : BM003408.D
 Acq On : 07 Dec 2015 16:22
 Operator : UM/IZ
 Sample : G4221-15 25X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PT-BNA-SOIL

Manual Integrations
 APPROVED

Mmdadoda
 12/8/2015 6:14:46 PM

Quant Time: Dec 08 06:07:26 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-BM120715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 15:08:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	53356	5.00	ng	0.00
11) Naphthalene-d8	10.52	136	191157	5.00	ng	0.00
20) Acenaphthene-d10	14.37	164	118031	5.00	ng	0.00
27) Phenanthrene-d10	17.12	188	191248	5.00	ng	0.00
31) Chrysene-d12	21.31	240	173203	5.00	ng	0.00
35) Perylene-d12	23.59	264	143080	5.00	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	55379	6.05	ng	-0.02
5) Phenol-d6	6.88	99	85194	6.64	ng	0.00
12) Nitrobenzene-d5	8.86	82	42816	4.24	ng	0.00
21) 2,4,6-Tribromophenol	15.85	330	16265	4.12	ng	0.00
24) 2-Fluorobiphenyl	13.00	172	146703	3.53	ng	0.00
33) Terphenyl-d14	19.75	244	113301	4.84	ng	0.00
Target Compounds						Qvalue
6) 2-Chlorophenol	7.29	128	27730	2.32	ng	90
7) Phenol	6.91	94	45460	3.39	ng	97
9) 2-Methylphenol	8.17	107	3855	0.51	ng	# 96
13) Nitrobenzene	8.91	77	75153	7.14	ng	# 44
16) 2,4-Dichlorophenol	10.16	162	35617	3.79	ng	96
17) Hexachlorobutadiene	10.84	225	45459	6.50	ng	97
18) 4-Chloro-3-methylphenol	11.77	107	68368	6.50	ng	# 67
19) 2-Methylnaphthalene	12.18	142	129372	4.38	ng	94
22) 2,4,6-Trichlorophenol	12.80	196	23567m	2.98	ng	
23) 2,4,5-Trichlorophenol	12.86	196	41840m	3.71	ng	
26) 4-Nitrophenol	14.57	139	24470	4.04	ng	# 66

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

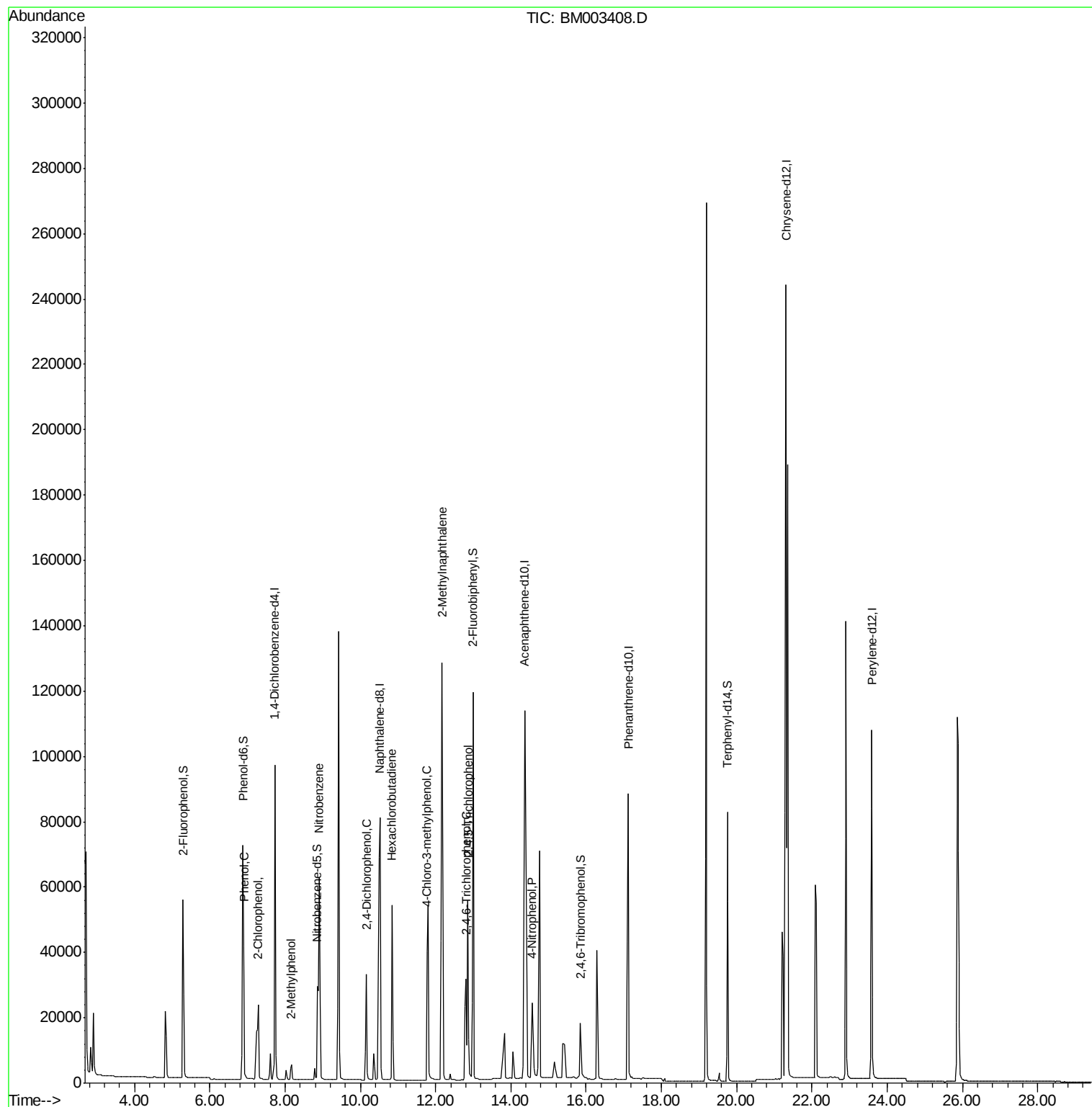
Data Path : Z:\HPCHEM1\BNA M\DATA\BM120715\
Data File : BM003408.D
Acq On : 07 Dec 2015 16:22
Operator : UM/IZ
Sample : G4221-15 25X
Misc :
ALS Vial : 11 Sample Multiplier: 1

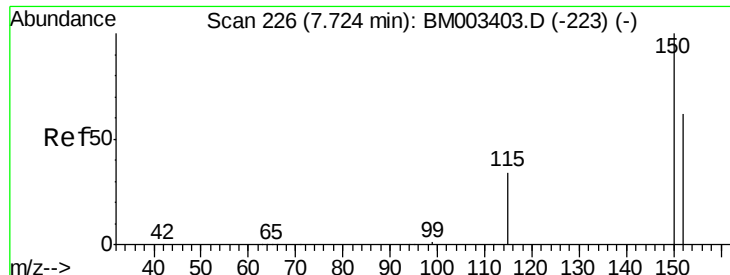
Instrument :
BNA_M
ClientSampled :
PT-BNA-SOIL

Manual Integrations
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#1

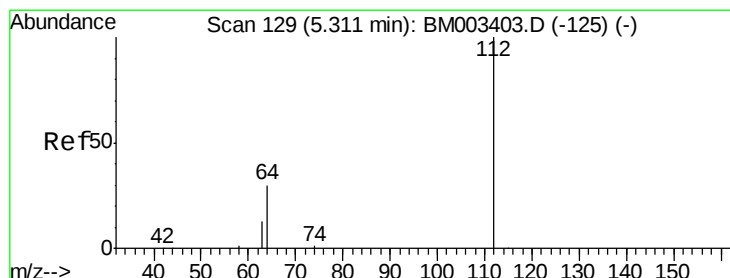
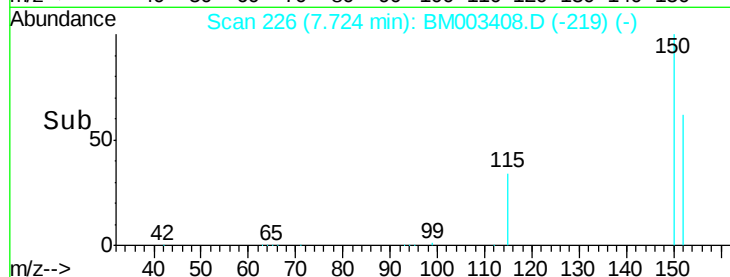
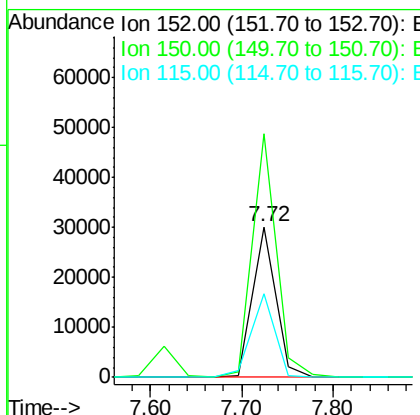
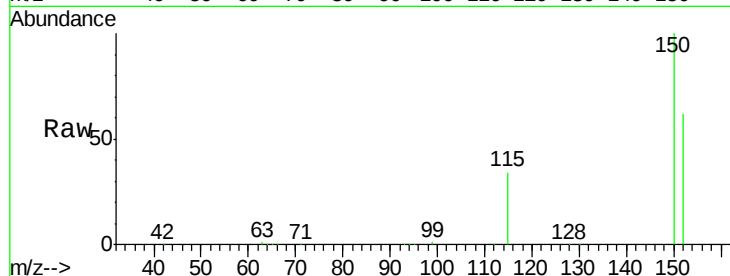
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.72 min Scan# 226
Delta R.T. 0.00 min
Lab File: BM003408.D
Acq: 07 Dec 2015 16:22

Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.8	116.3	174.5
115	55.4	31.9	47.9

Manual Integrations
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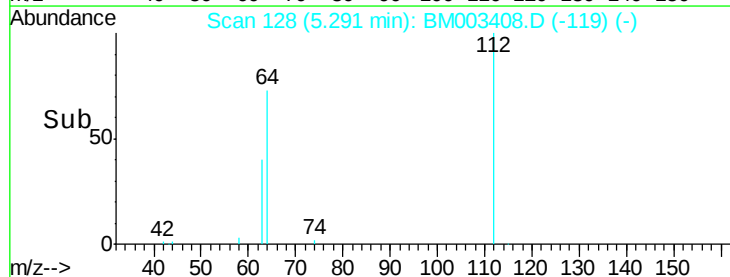
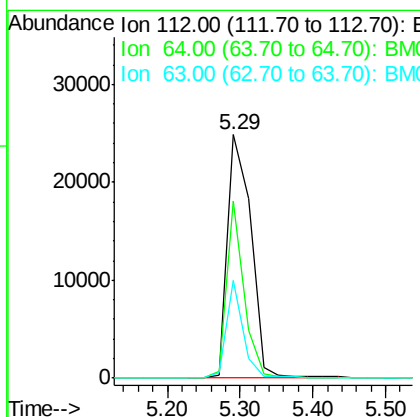
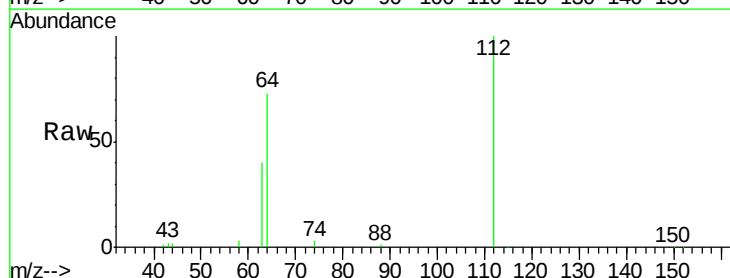
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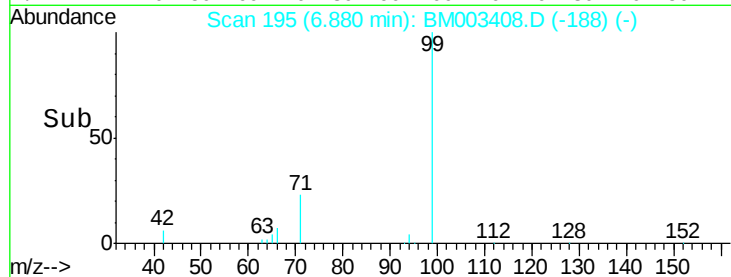
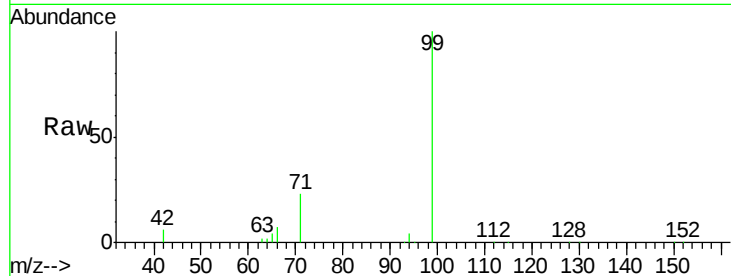
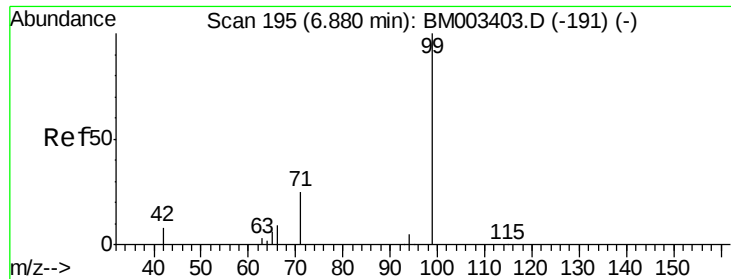


#4

2-Fluorophenol
Concen: 6.05 ng
RT: 5.29 min Scan# 128
Delta R.T. -0.02 min
Lab File: BM003408.D
Acq: 07 Dec 2015 16:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	49.3	73.9
63	39.9	26.2	39.4





#5

Phenol-d6

Concen: 6.64 ng

RT: 6.88 min Scan# 195

Delta R.T. 0.00 min

Lab File: BM003408.D

Acq: 07 Dec 2015 16:22

Tot Ion:	99	Resp:	85194
Ion Ratio	Lower	Upper	
99	100		
42	6.4	12.1	18.1#
71	23.1	26.4	39.6#

Instrument :

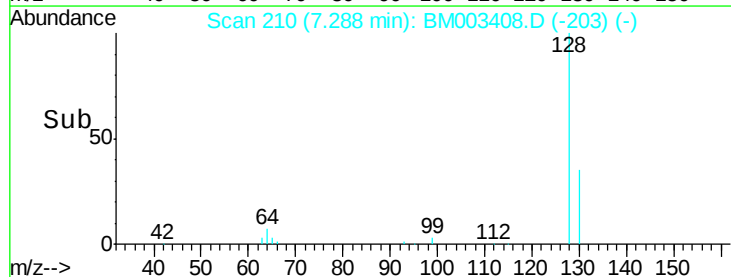
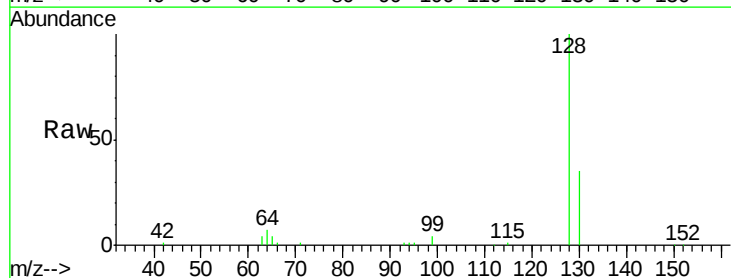
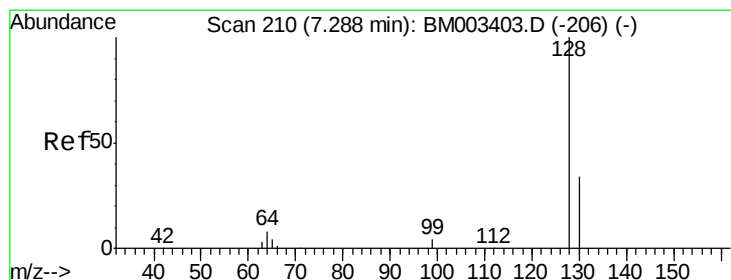
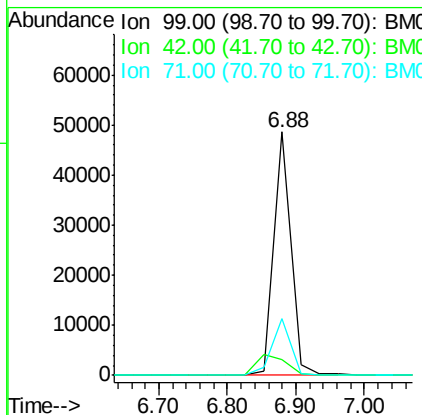
BNA_M

ClientSampleId :

PT-BNA-SOIL

Manual Integrations
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#6

2-Chlorophenol

Concen: 2.32 ng

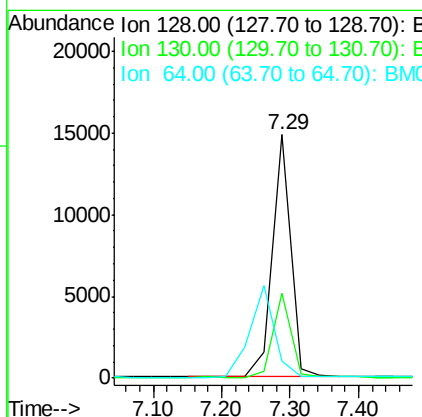
RT: 7.29 min Scan# 210

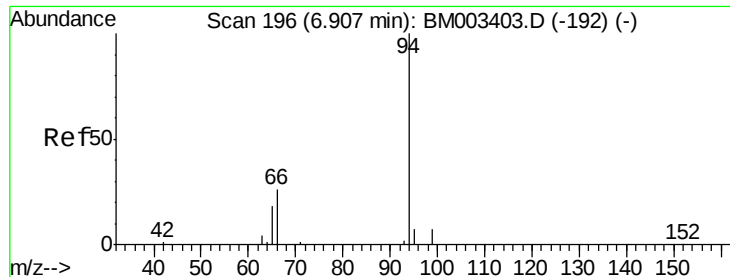
Delta R.T. 0.00 min

Lab File: BM003408.D

Acq: 07 Dec 2015 16:22

Tgt Ion:	128	Resp:	27730
Ion Ratio	Lower	Upper	
128	100		
130	34.9	22.2	62.2
64	7.2	0.0	28.7





#7

Phenol

Concen: 3.39 ng

RT: 6.91 min Scan# 196

Delta R.T. 0.00 min

Lab File: BM003408.D

Acq: 07 Dec 2015 16:22

Instrument :

BNA_M

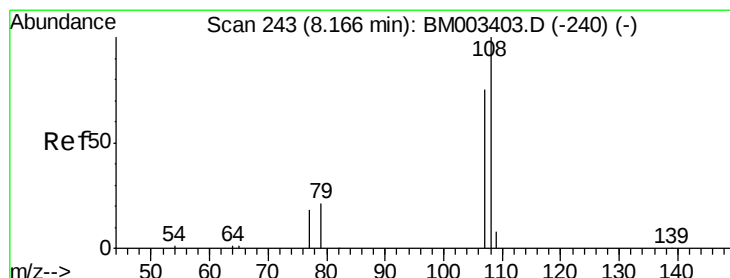
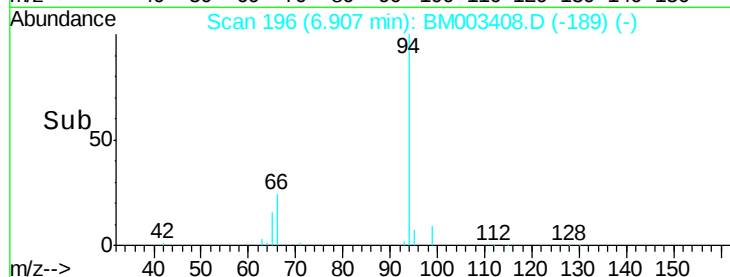
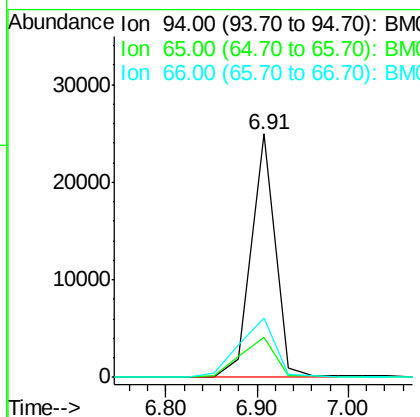
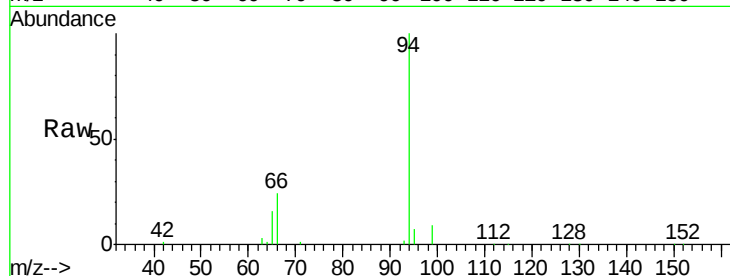
ClientSampleId :

PT-BNA-SOIL

Tot Ion:	94	Resp:	45460
Ion Ratio	Lower	Upper	
94	100		
65	16.5	0.0	37.7
66	24.5	6.3	46.3

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#9

2-Methylphenol

Concen: 0.51 ng

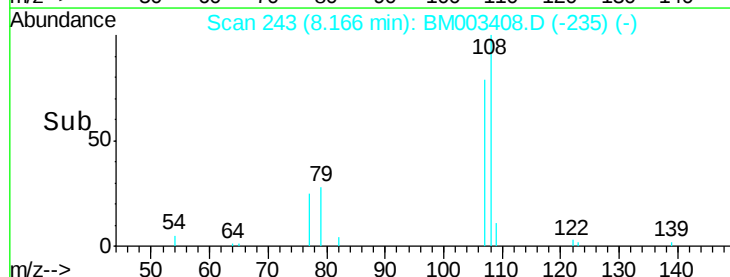
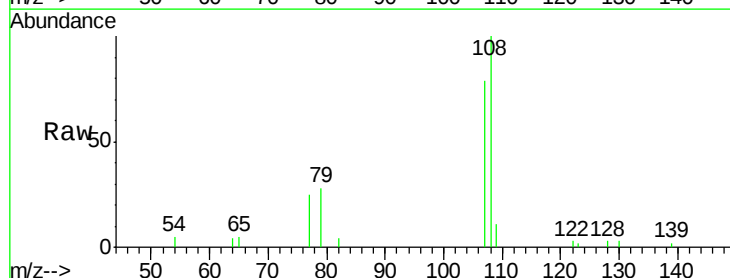
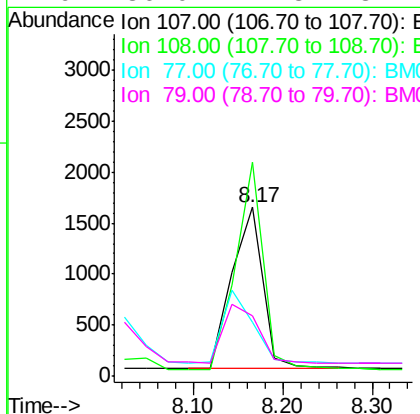
RT: 8.17 min Scan# 243

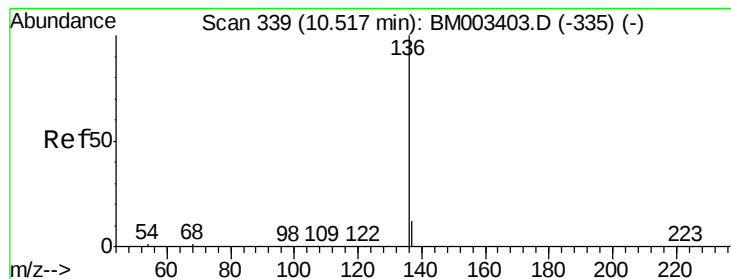
Delta R.T. 0.00 min

Lab File: BM003408.D

Acq: 07 Dec 2015 16:22

Tgt Ion:	107	Resp:	3855
Ion Ratio	Lower	Upper	
107	100		
108	126.6	100.9	151.3
77	32.0	20.3	30.5#
79	36.0	22.8	34.2#





#11

Naphthalene-d8

Concen: 5.00 ng

RT: 10.52 min Scan# 339

Delta R.T. 0.00 min

Lab File: BM003408.D

Acq: 07 Dec 2015 16:22

Instrument :

BNA_M

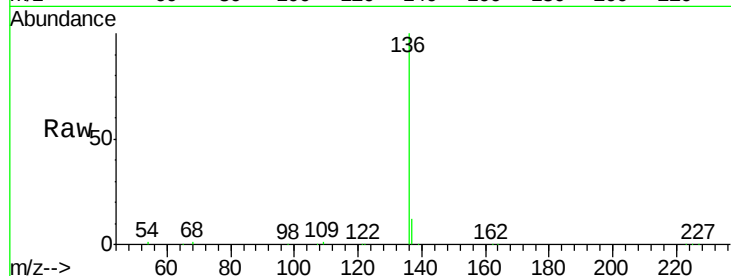
ClientSampled :

PT-BNA-SOIL

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	12.2	9.1	13.7
54	1.1	2.6	3.8#
68	1.5	2.2	3.2#

Manual Integrations
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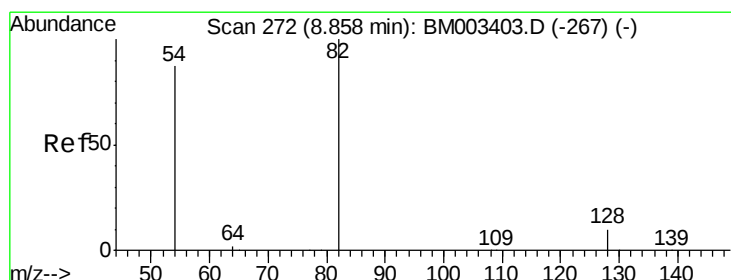
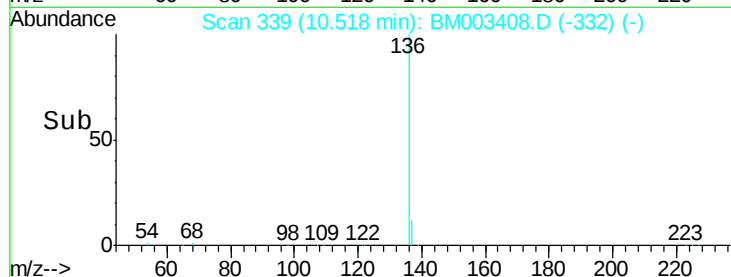
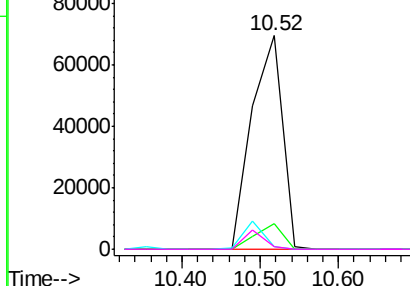


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#12

Nitrobenzene-d5

Concen: 4.24 ng

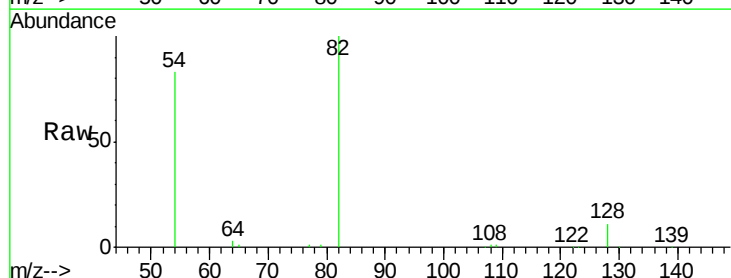
RT: 8.86 min Scan# 272

Delta R.T. 0.00 min

Lab File: BM003408.D

Acq: 07 Dec 2015 16:22

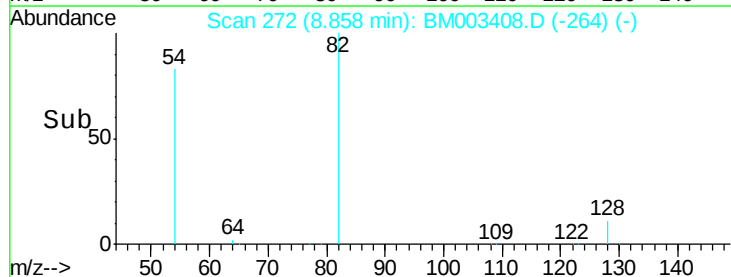
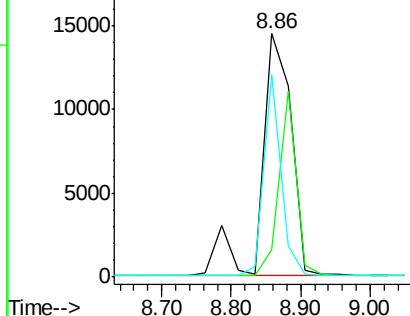
Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	0.0	0.0	0.0
54	48.7	59.0	88.6#

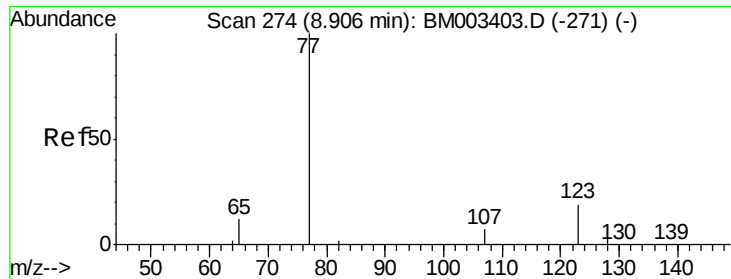


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





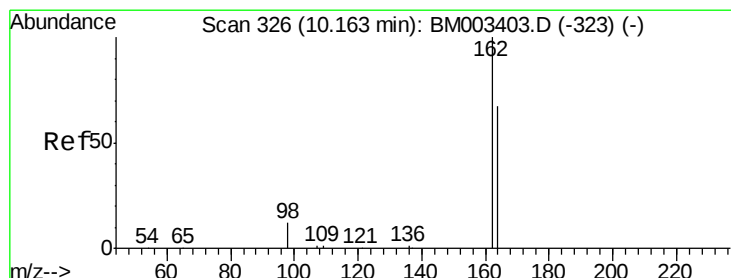
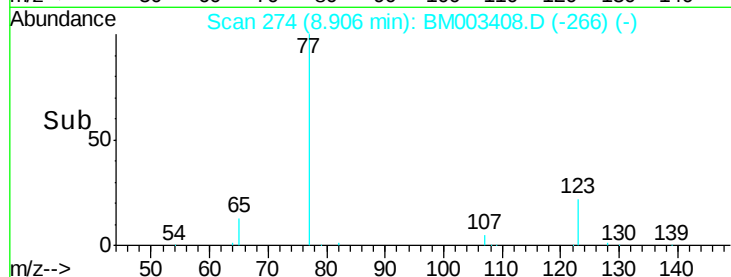
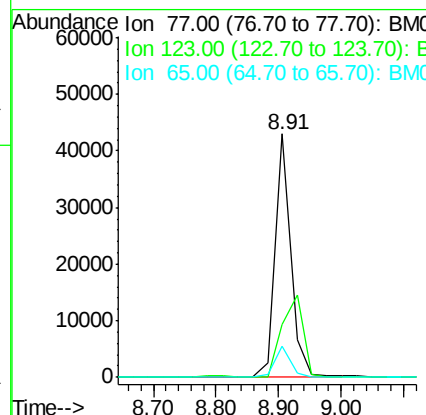
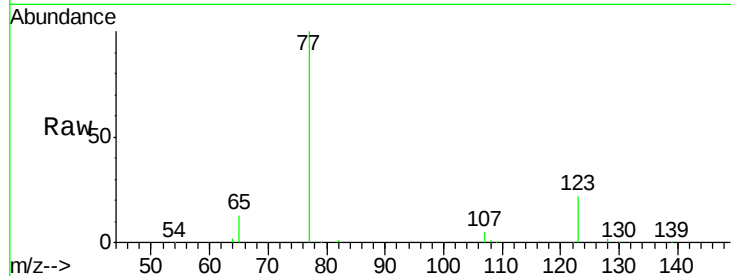
#13
Nitrobenzene
Concen: 7.14 ng
RT: 8.91 min Scan# 274
Delta R.T. 0.00 min
Lab File: BM003408.D
Acq: 07 Dec 2015 16:22

Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	37.7	56.5#
65	12.5	9.8	14.6

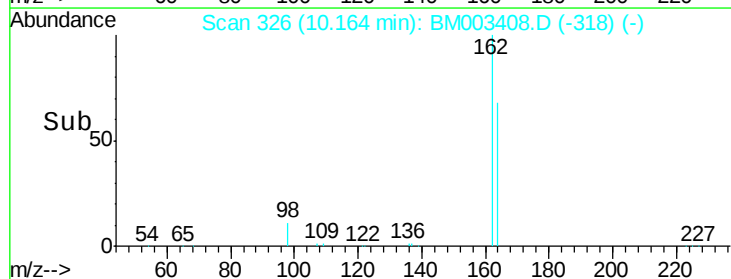
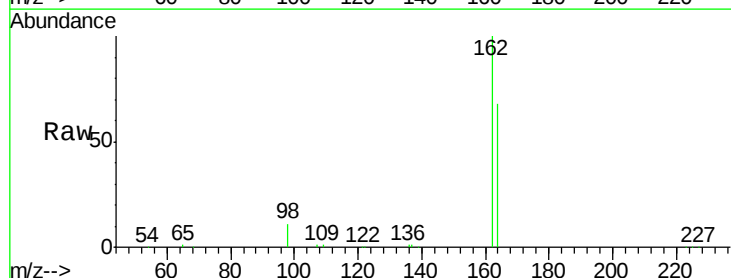
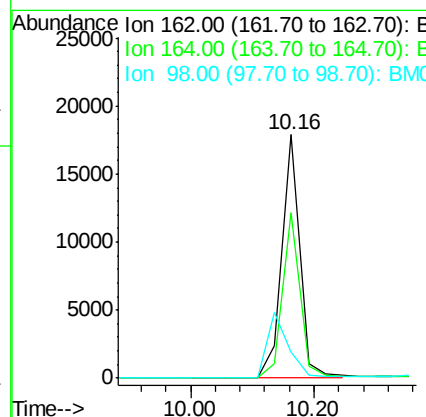
Manual Integrations
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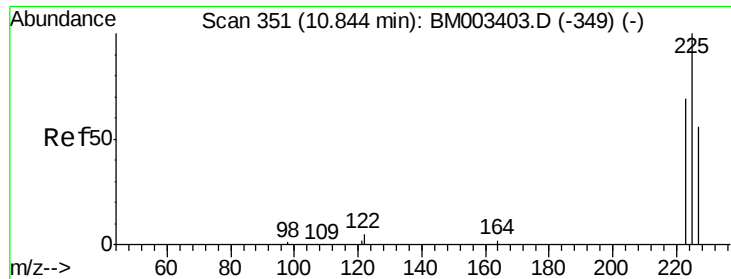
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#16
2,4-Dichlorophenol
Concen: 3.79 ng
RT: 10.16 min Scan# 326
Delta R.T. 0.00 min
Lab File: BM003408.D
Acq: 07 Dec 2015 16:22

Tgt Ion	Ratio	Lower	Upper
162	100		
164	68.0	49.2	89.2
98	10.6	0.0	37.4





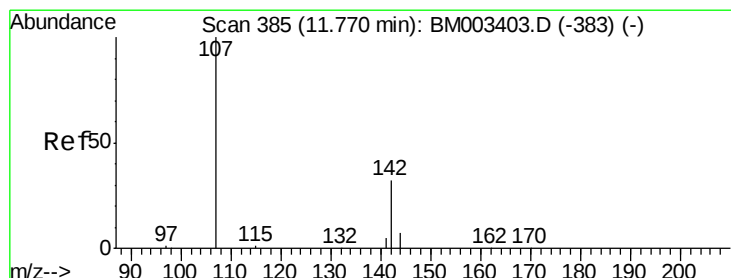
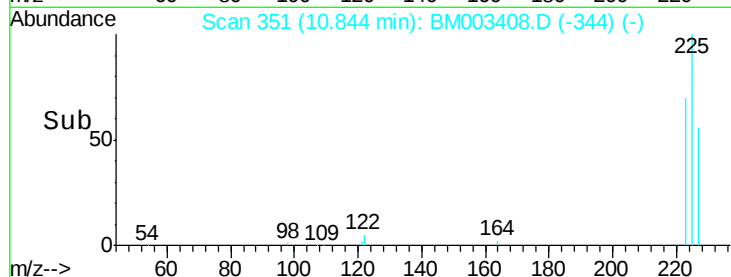
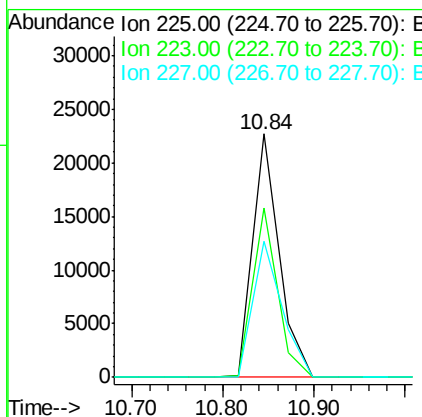
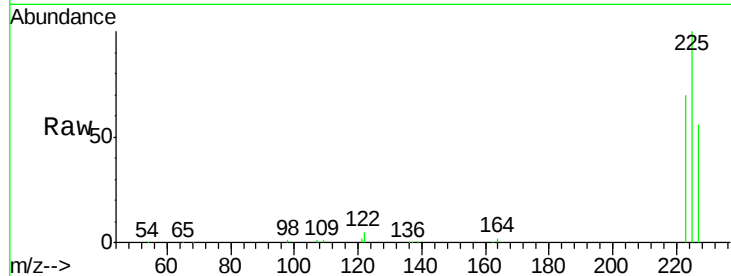
#17
Hexachlorobutadiene
Concen: 6.50 ng
RT: 10.84 min Scan# 351
Delta R.T. 0.00 min
Lab File: BM003408.D
Acq: 07 Dec 2015 16:22

Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
225	100		
223	65.5	53.0	79.4
227	61.3	52.2	78.4

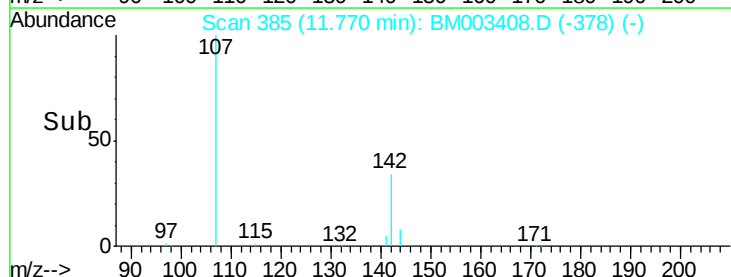
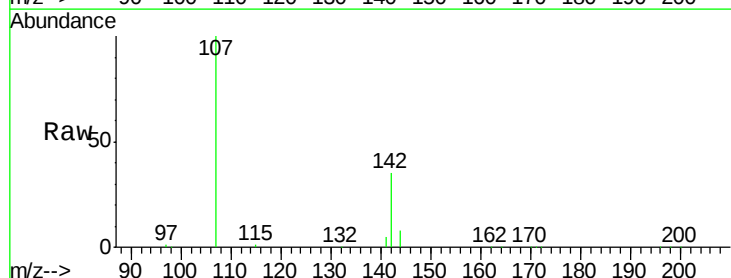
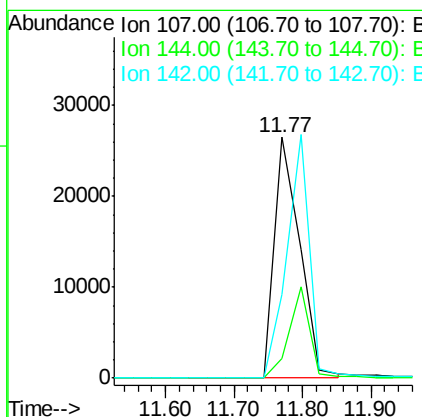
Manual Integrations
APPROVED

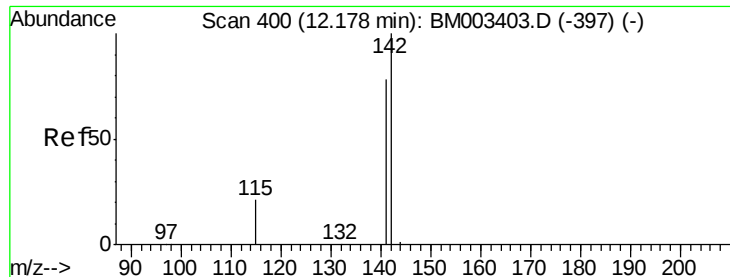
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12/8/2015 6:14:46 PM



#18
4-Chloro-3-methylphenol
Concen: 6.50 ng
RT: 11.77 min Scan# 385
Delta R.T. 0.00 min
Lab File: BM003408.D
Acq: 07 Dec 2015 16:22

Tgt Ion	Ratio	Lower	Upper
107	100		
144	8.3	16.2	24.2#
142	34.6	49.8	74.6#





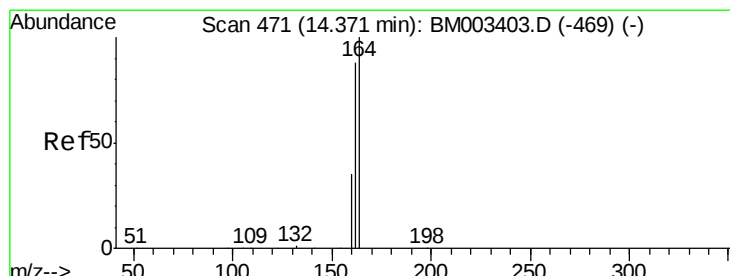
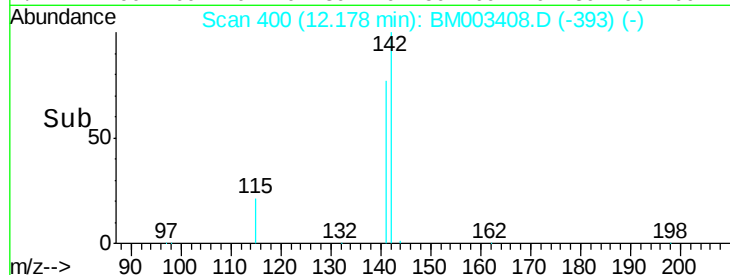
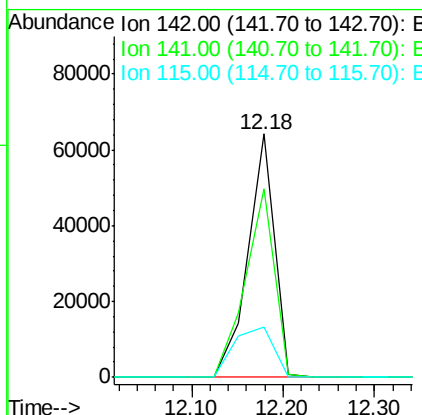
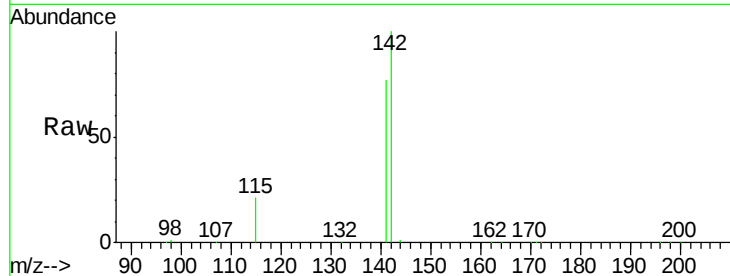
#19
2-Methylnaphthalene
Concen: 4.38 ng
RT: 12.18 min Scan# 400
Delta R.T. 0.00 min
Lab File: BM003408.D
Acq: 07 Dec 2015 16:22

Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.8	71.4	107.0
115	31.0	29.3	43.9

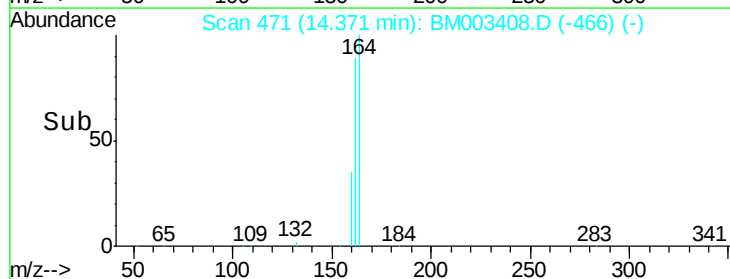
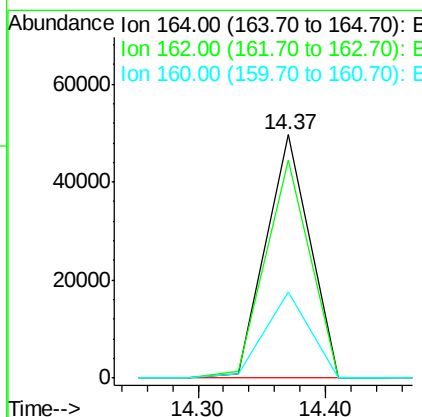
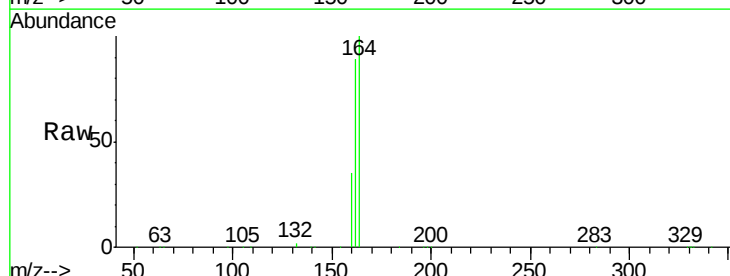
Manual Integrations
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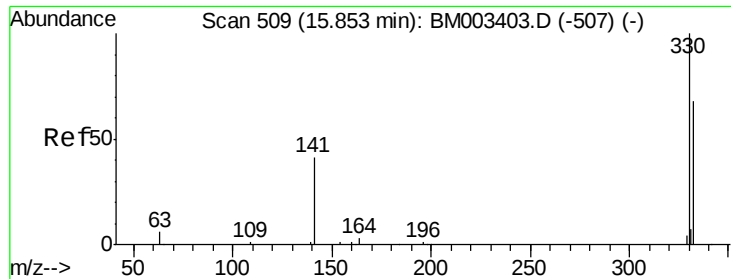
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#20
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.37 min Scan# 471
Delta R.T. 0.00 min
Lab File: BM003408.D
Acq: 07 Dec 2015 16:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	89.4	79.2	118.8
160	35.4	33.7	50.5





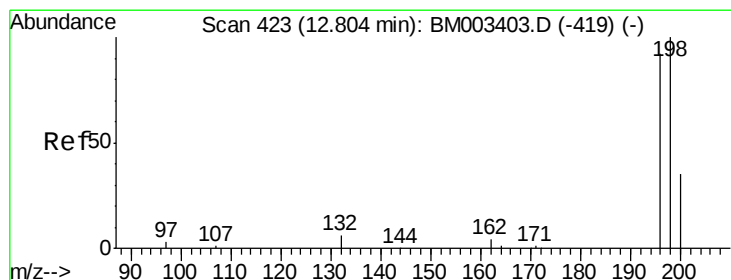
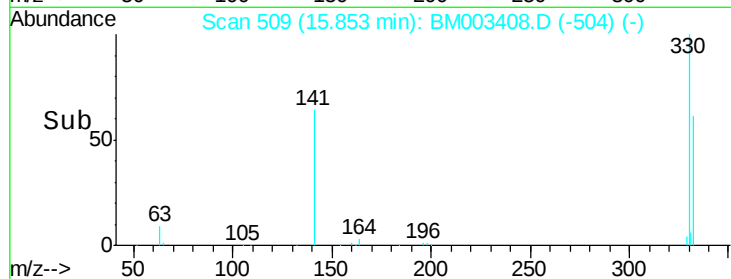
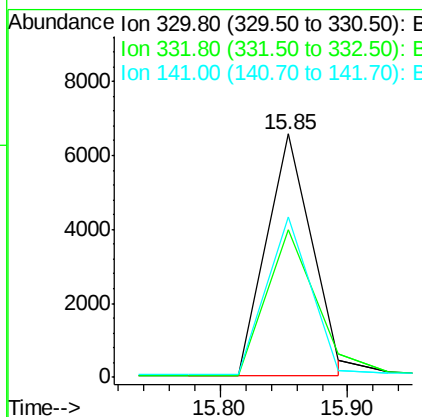
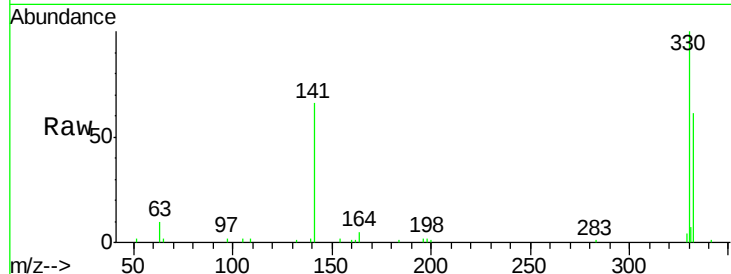
#21
 2,4,6-Tribromophenol
 Concen: 4.12 ng
 RT: 15.85 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: BM003408.D
 Acq: 07 Dec 2015 16:22

Instrument :
 BNA_M
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
330	100		
332	65.4	74.0	111.0#
141	63.5	24.1	36.1#

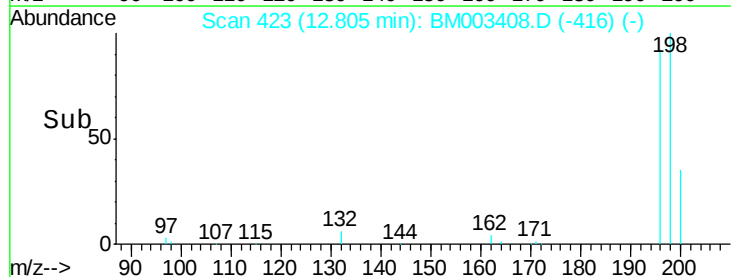
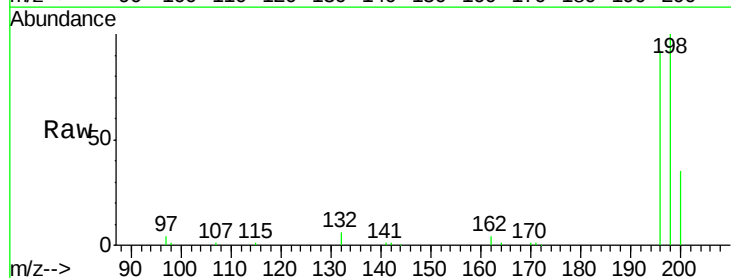
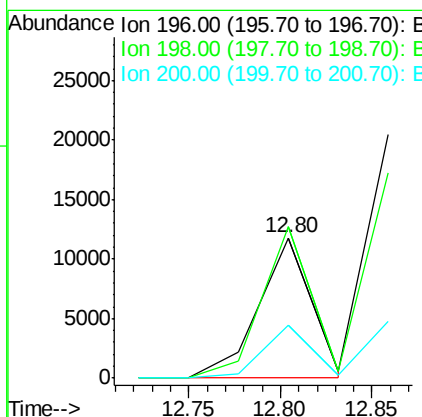
Manual Integrations
 APPROVED

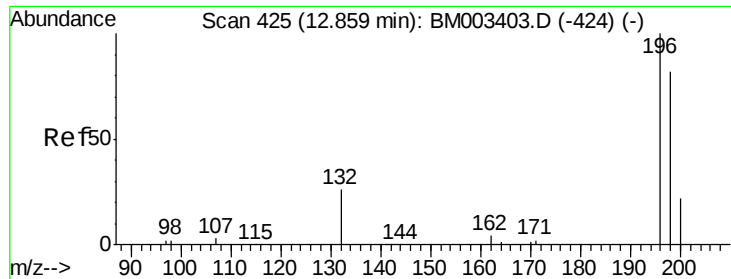
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#22
 2,4,6-Trichlorophenol
 Concen: 2.98 ng m
 RT: 12.80 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: BM003408.D
 Acq: 07 Dec 2015 16:22

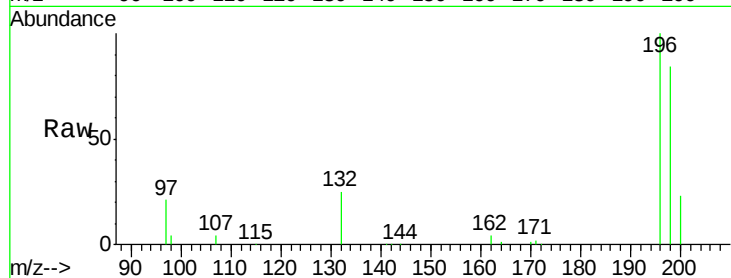
Tgt Ion	Ratio	Lower	Upper
196	100		
198	108.5	54.2	81.2#
200	38.1	17.1	25.7#





#23
2,4,5-Trichlorophenol
Concen: 3.71 ng
RT: 12.86 min Scan# 425
Delta R.T. 0.00 min
Lab File: BM003408.D
Acq: 07 Dec 2015 16:22

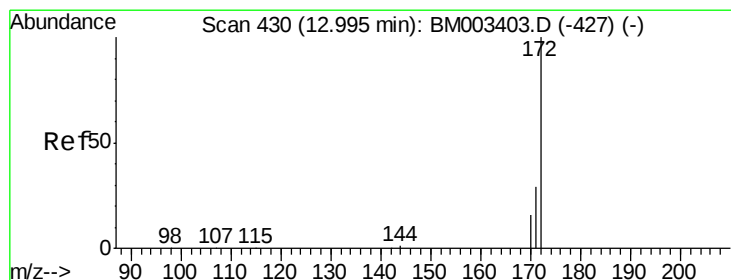
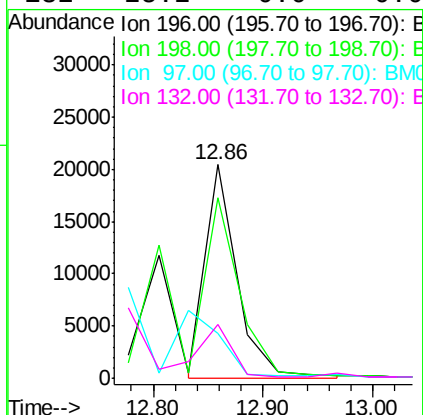
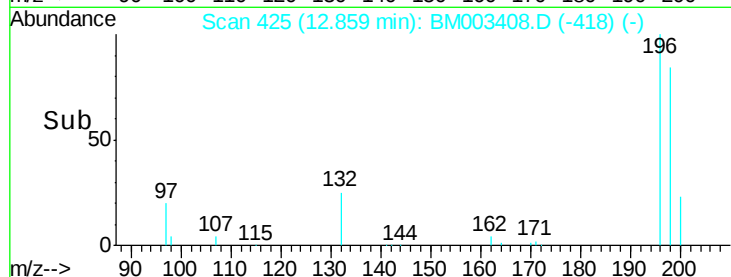
Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL



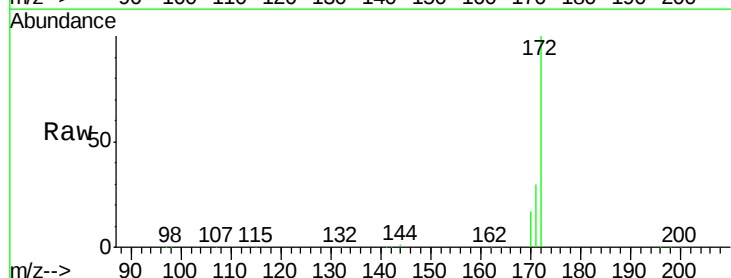
Tot Ion	Ratio	Lower	Upper
196	100		
198	84.4	73.6	110.4
97	20.8	0.0	0.0#
132	25.2	0.0	0.0#

Manual Integrations
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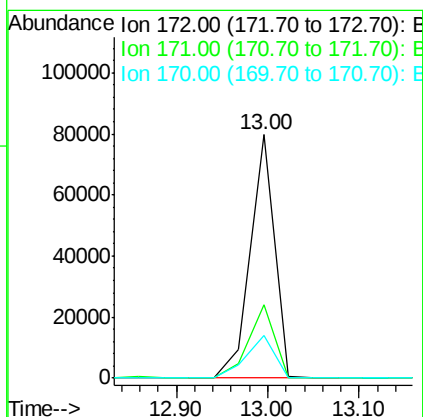
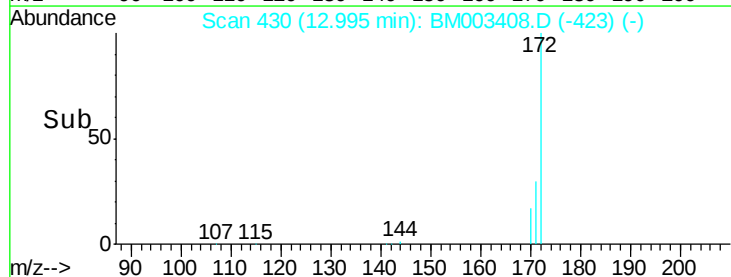
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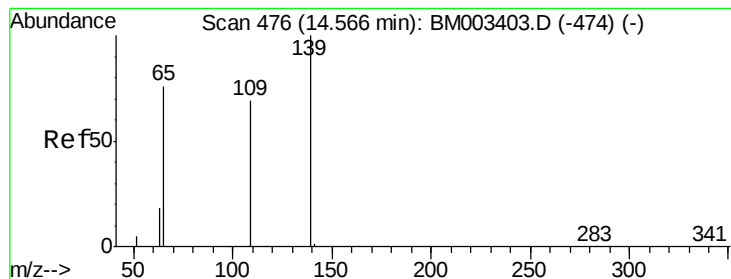


#24
2-Fluorobiphenyl
Concen: 3.53 ng
RT: 13.00 min Scan# 430
Delta R.T. 0.00 min
Lab File: BM003408.D
Acq: 07 Dec 2015 16:22



Tgt Ion	Ratio	Lower	Upper
172	100		
171	31.9	28.0	42.0
170	20.4	18.9	28.3





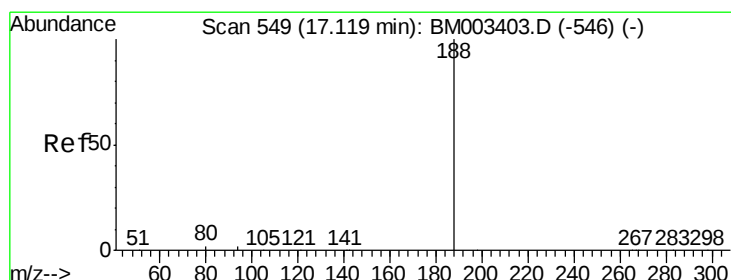
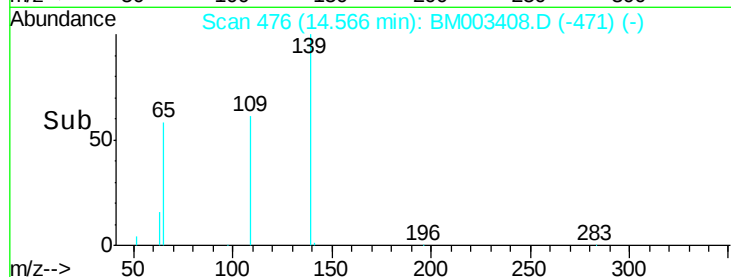
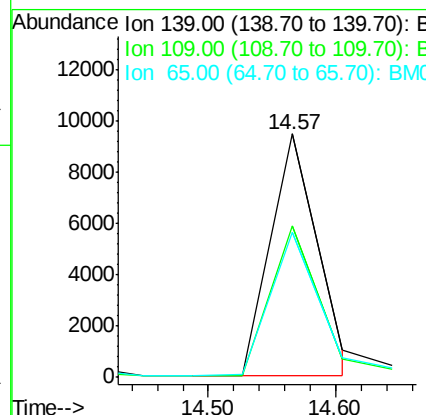
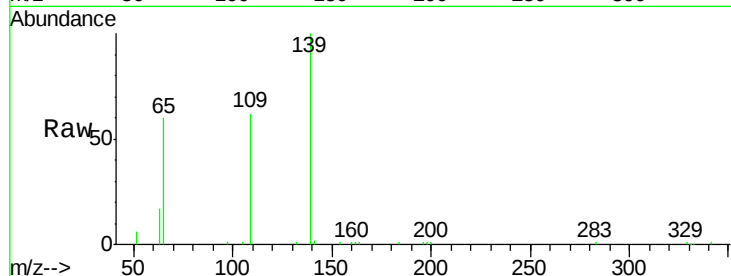
#26
4-Nitrophenol
Concen: 4.04 ng
RT: 14.57 min Scan# 476
Delta R.T. 0.00 min
Lab File: BM003408.D
Acq: 07 Dec 2015 16:22

Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
139	100		
109	62.0	60.0	100.0
65	59.5	85.7	125.7

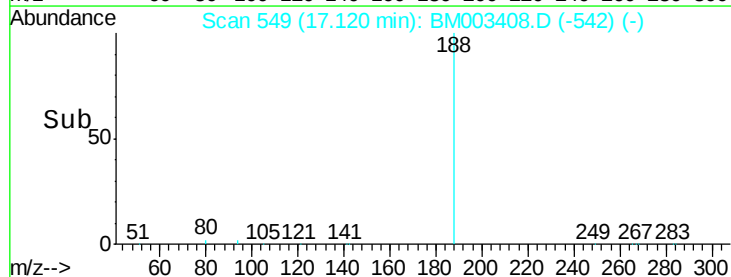
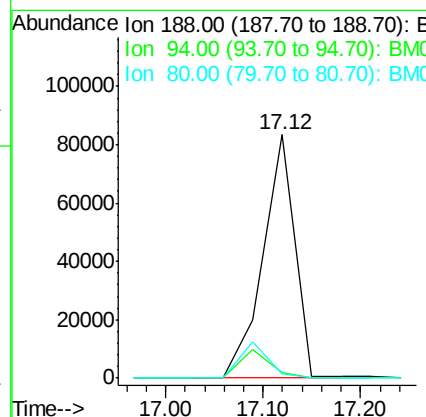
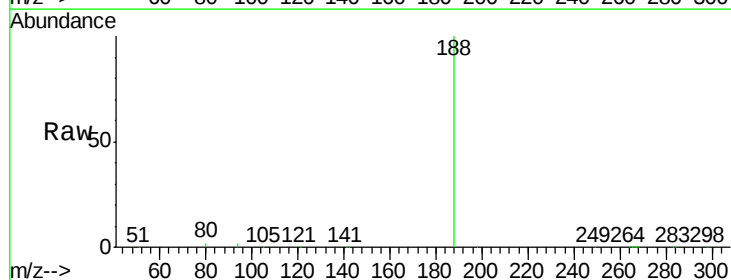
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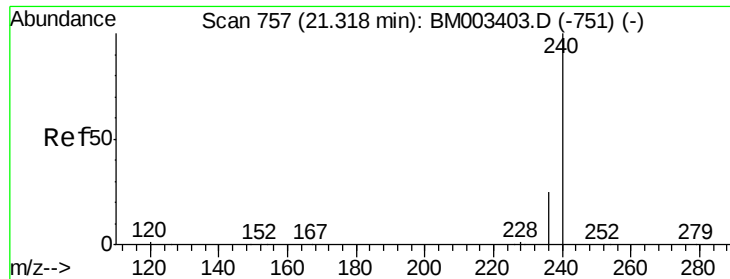
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#27
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.12 min Scan# 549
Delta R.T. 0.00 min
Lab File: BM003408.D
Acq: 07 Dec 2015 16:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	2.4	2.9	4.3
80	1.9	2.5	3.7





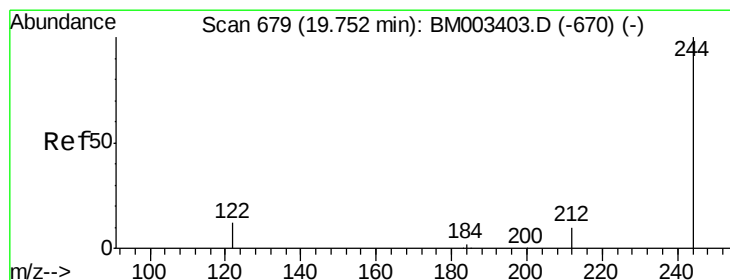
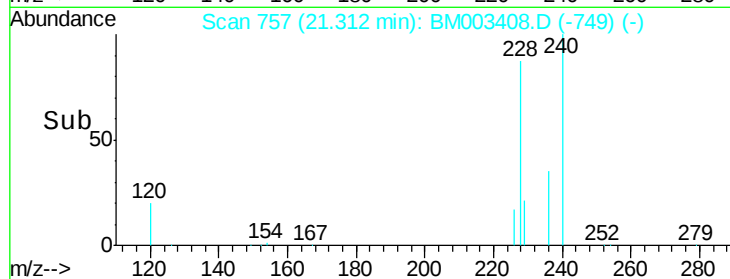
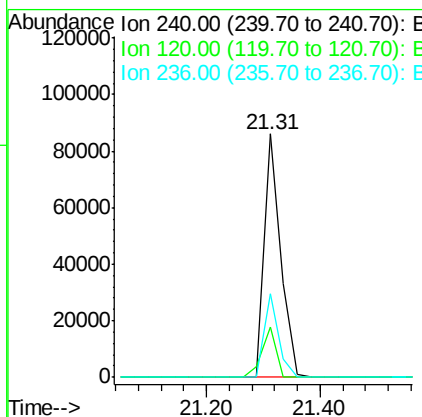
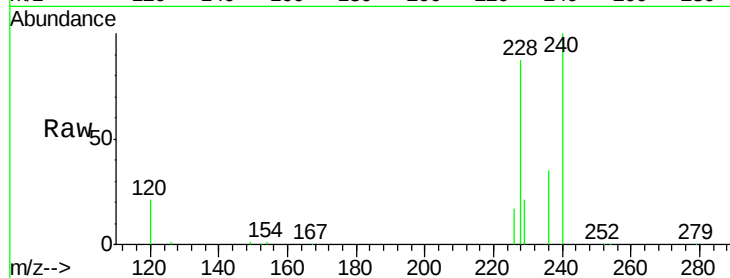
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 757
Delta R.T. -0.01 min
Lab File: BM003408.D
Acq: 07 Dec 2015 16:22

Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
240	100		
120	20.6	10.4	15.6#
236	34.6	22.0	33.0#

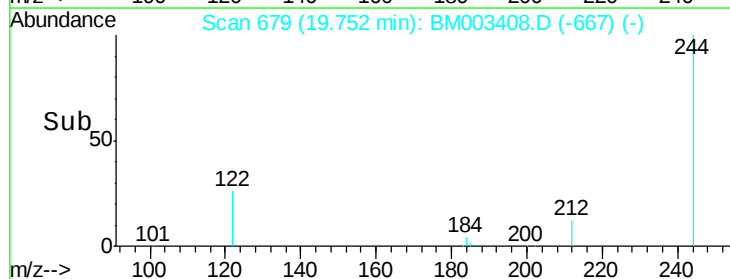
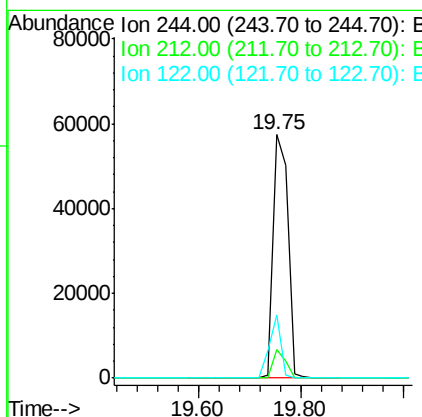
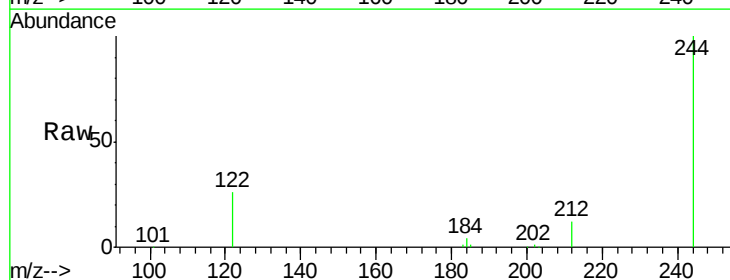
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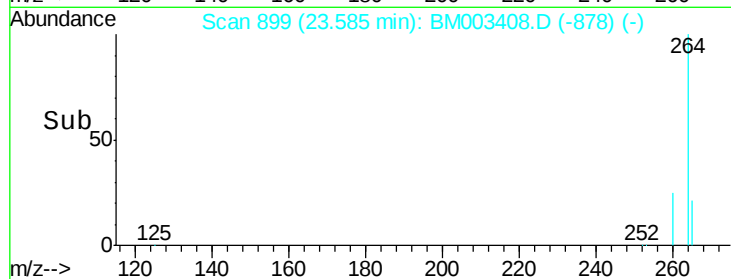
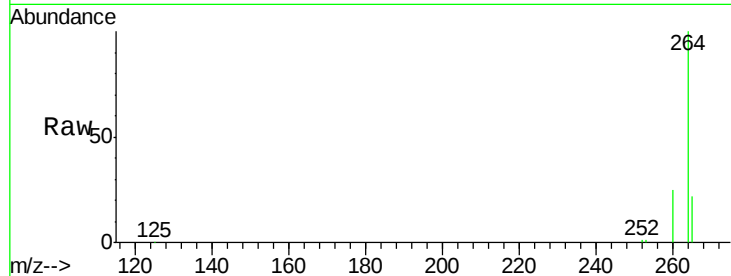
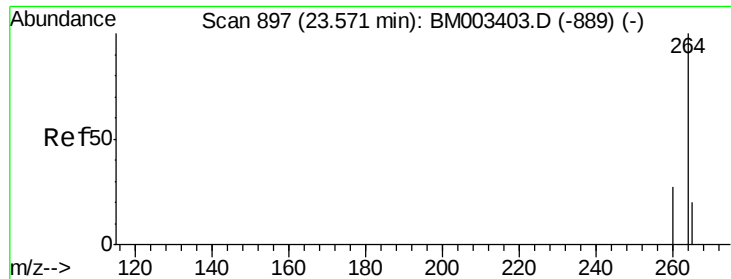
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#33
Terphenyl-d14
Concen: 4.84 ng
RT: 19.75 min Scan# 679
Delta R.T. 0.00 min
Lab File: BM003408.D
Acq: 07 Dec 2015 16:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.3	10.9
122	19.9	14.8	22.2





#35
Pervlene-d12
Concen: 5.00 ng
RT: 23.59 min Scan# 899
Delta R.T. 0.01 min
Lab File: BM003408.D
Acq: 07 Dec 2015 16:22

Tot Ion:	264	Resp:	143080
Ion Ratio	Lower	Upper	
264	100		
260	25.2	19.7	29.5
265	22.1	17.4	26.2

Instrument :
BNA_M
ClientSampleId :
PT-BNA-SOIL

Manual Integrations
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