

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
 Data File : BM012448.D
 Acq On : 25 Oct 2017 16:42
 Operator : SJ/JU
 Sample : I5756-08DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B0CN4DL

Manual Integrations
 APPROVED

Sohil
 10/27/2017 8:53:59 AM

Quant Time: Oct 26 05:14:09 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 01:09:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	640183	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	2750464	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	1788751	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.26	188	4413465	20.00	ng/ul	0.01
75) Chrysene-d12	21.43	240	4076285	20.00	ng/ul	0.01
83) Perylene-d12	23.74	264	3788924	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	14584m	1.16	ng/uL	0.00
5) Phenol-d5	7.05	99	292665	5.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	176461	5.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	232886	5.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	232323	5.08	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	112474	6.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	117262	6.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	257260	5.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.81	131	107686	2.17	ng/ul	0.01
43) Dimethylphthalate-d6	13.92	166	828861	5.30	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	1043191	5.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.71	143	95629	4.12	ng/ul	0.01
57) Fluorene-d10	15.50	176	748100	5.66	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	17611	0.82	ng/ul	0.02
70) Anthracene-d10	17.35	188	1216810	5.79	ng/ul	0.00
76) Pyrene-d10	19.64	212	1302756	6.97	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.59	264	1000085	5.56	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	7.08	94	62213	1.117	ng/ul	91
34) 2-Methylnaphthalene	12.33	142	229549	2.073	ng/ul	96
44) Dimethylphthalate	13.97	163	304045	1.967	ng/ul	98
47) Acenaphthylene	14.23	152	732707	4.153	ng/ul	97
49) Acenaphthene	14.57	153	184691	1.528	ng/ul	98
58) Fluorene	15.56	166	496868	3.285	ng/ul#	99
69) Phenanthrene	17.30	178	4299117	18.013	ng/ul	99
71) Anthracene	17.39	178	904469	3.667	ng/ul	98
74) Fluoranthene	19.31	202	4148361	15.339	ng/ul#	94
77) Pyrene	19.67	202	6633767	28.618	ng/ul#	93
80) Benzo(a)anthracene	21.41	228	2448261	10.030	ng/ul#	91
82) Chrysene	21.46	228	2645492	12.190	ng/ul	95
85) Benzo(b)fluoranthene	23.04	252	2019752	8.623	ng/ul#	94
86) Benzo(k)fluoranthene	23.08	252	534993m	2.427	ng/ul	
88) Benzo(a)pyrene	23.63	252	1880200	8.420	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.09	276	1094543	4.165	ng/ul#	95
90) Dibenzo(a,h)anthracene	26.09	278	358835	1.610	ng/ul#	70
91) Benzo(g,h,i)perylene	26.81	276	1055651	4.956	ng/ul#	93

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

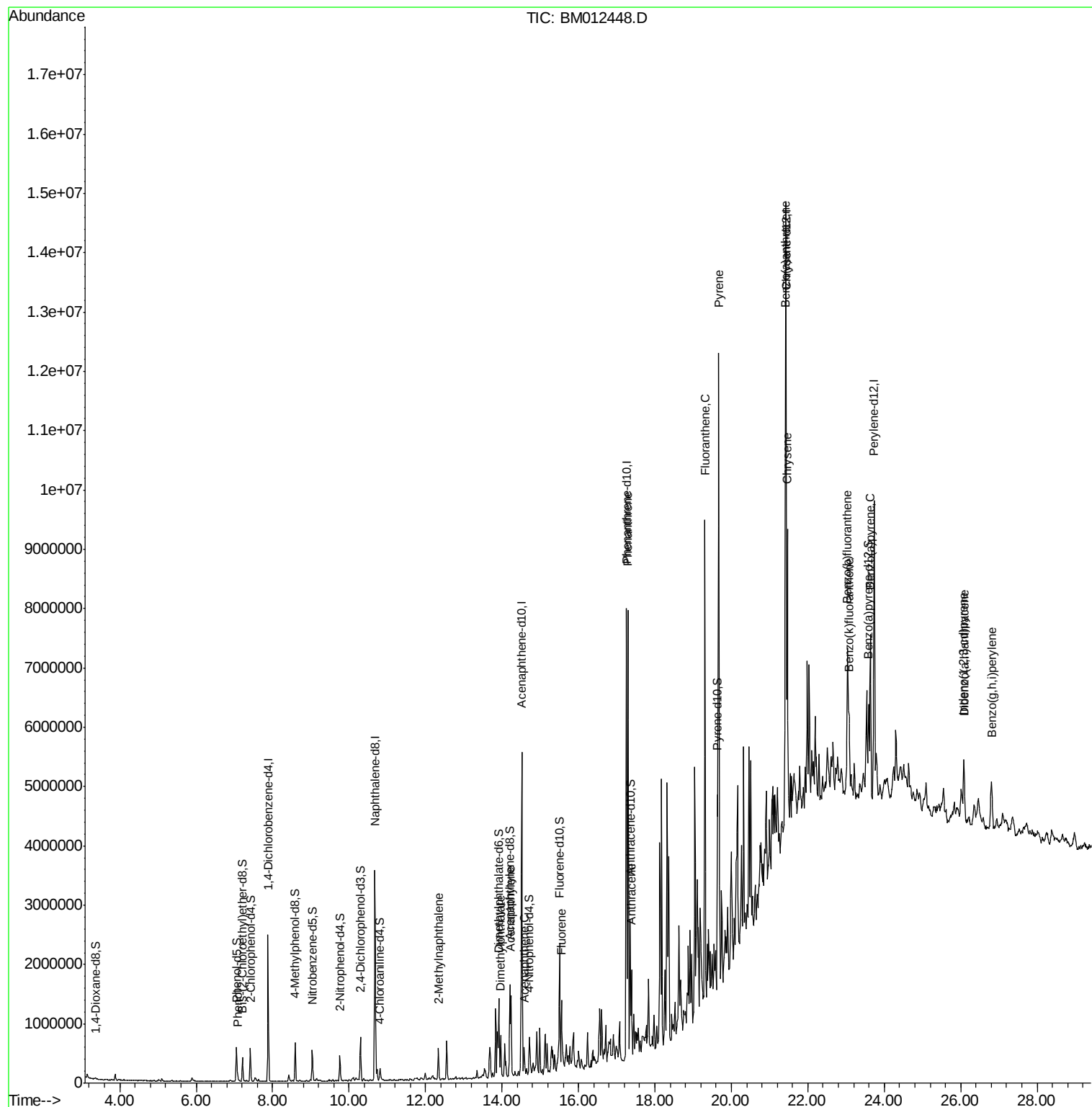
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012448.D
Acq On : 25 Oct 2017 16:42
Operator : SJ/JU
Sample : I5756-08DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

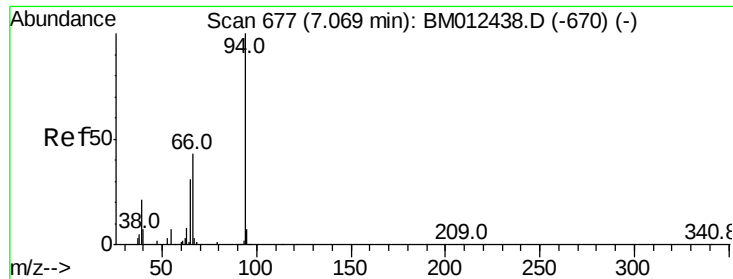
Instrument :
BNA_M
ClientSampleId :
B0CN4DL

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Quant Time: Oct 26 05:14:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 01:09:36 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.117 ng/ul

RT: 7.08 min Scan# 679

Delta R.T. 0.01 min

Lab File: BM012448.D

Acq: 25 Oct 2017 16:42

Instrument :

BNA_M

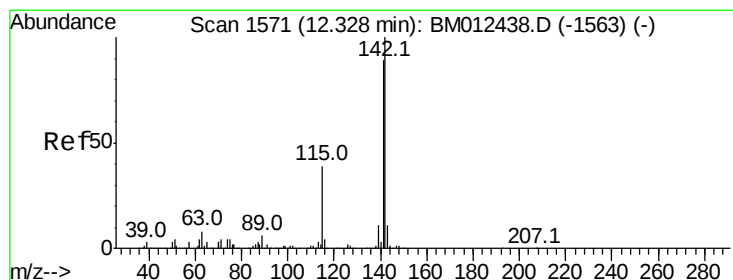
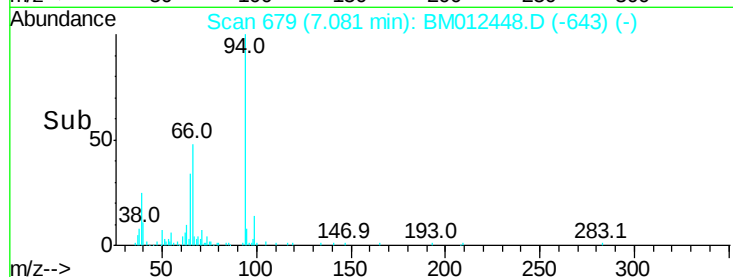
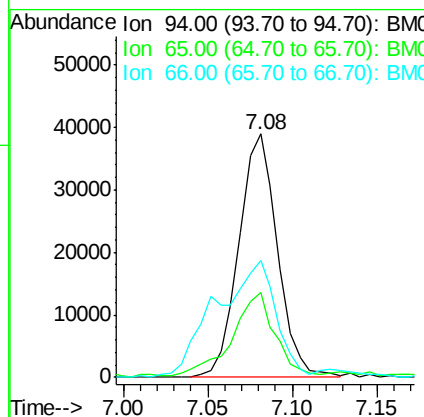
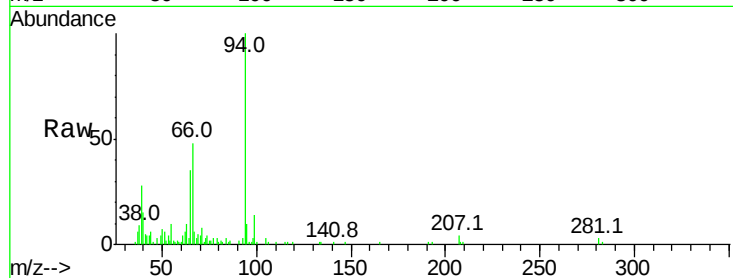
ClientSampled :

B0CN4DL

Tot Ion:	94	Resp:	62213
Ion Ratio	Lower	Upper	
94	100		
65	34.9	28.2	42.4
66	48.1	47.2	70.8

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#34

2-Methylnaphthalene

Concen: 2.073 ng/ul

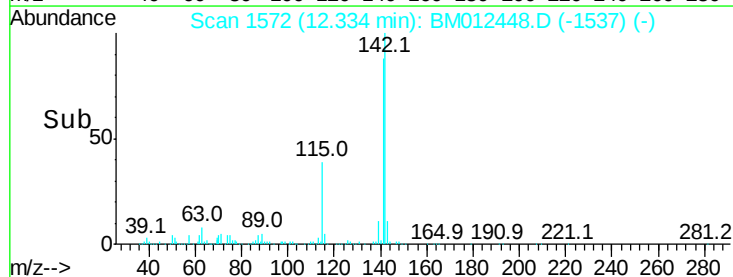
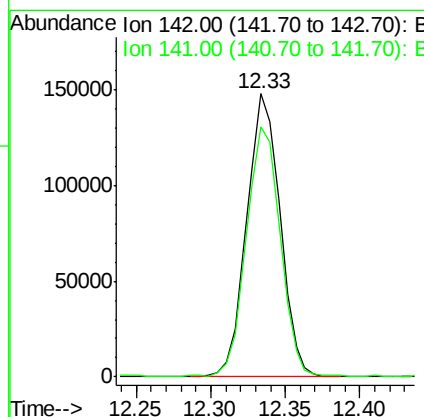
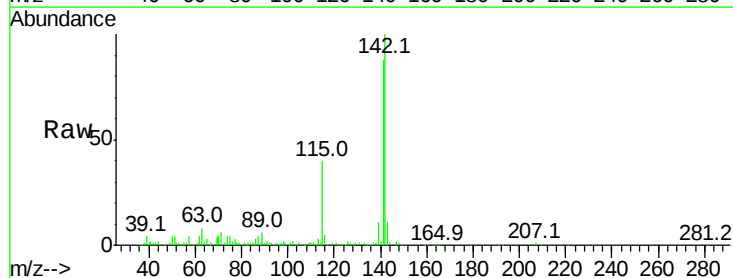
RT: 12.33 min Scan# 1572

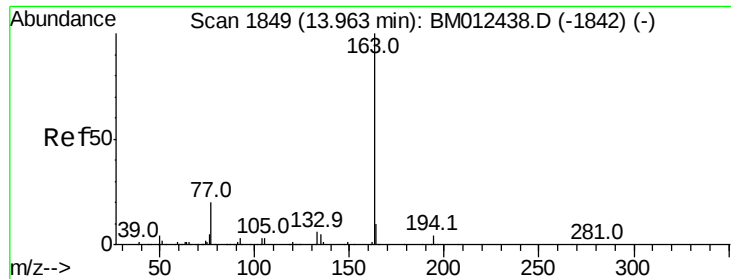
Delta R.T. 0.01 min

Lab File: BM012448.D

Acq: 25 Oct 2017 16:42

Tgt Ion:	142	Resp:	229549
Ion Ratio	Lower	Upper	
142	100		
141	88.4	74.1	111.1





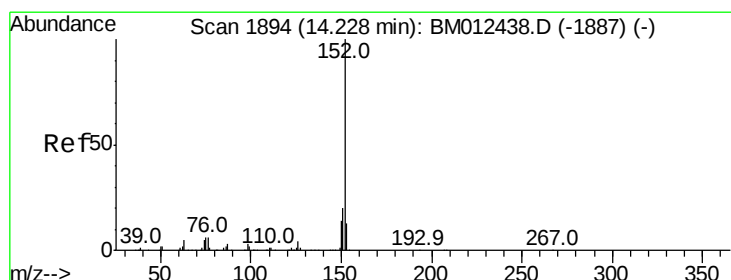
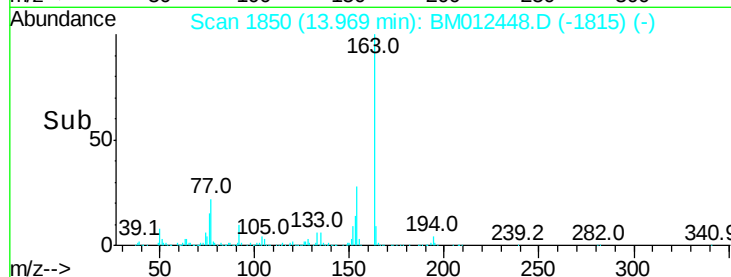
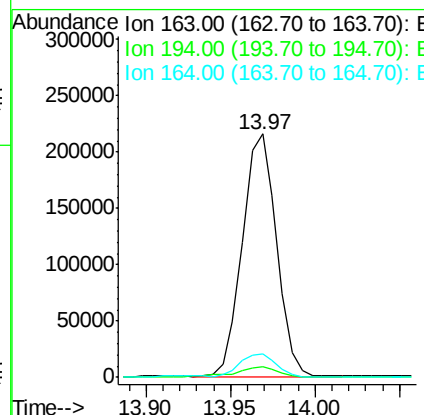
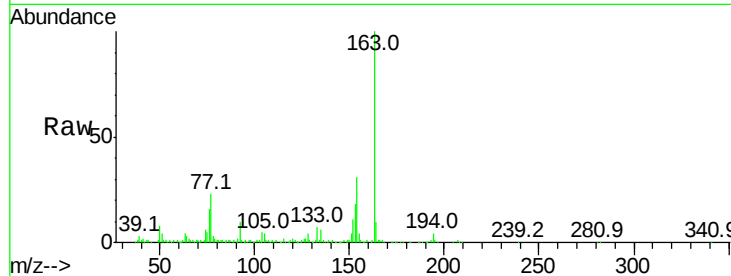
#44
Dimethylphthalate
Concen: 1.967 ng/ul
RT: 13.97 min Scan# 1850
Delta R.T. 0.01 min
Lab File: BM012448.D
Acq: 25 Oct 2017 16:42

Instrument :
BNA_M
ClientSampleId :
B0CN4DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	304045		
194	4.1	3.5	5.3	
164	9.6	8.2	12.4	

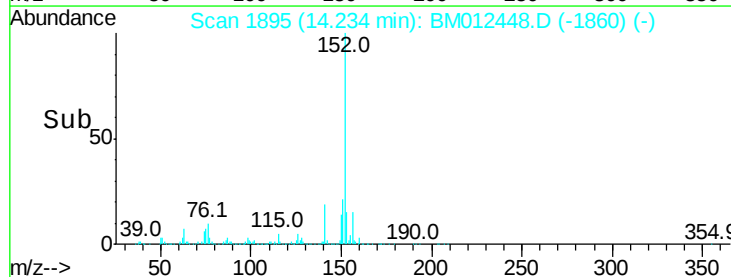
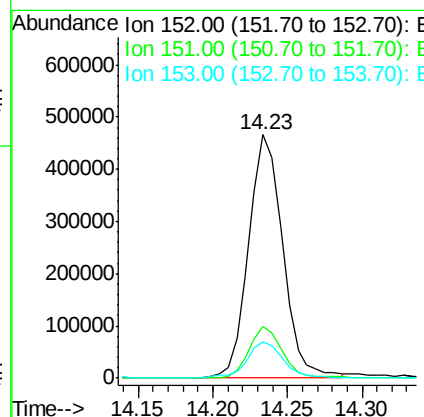
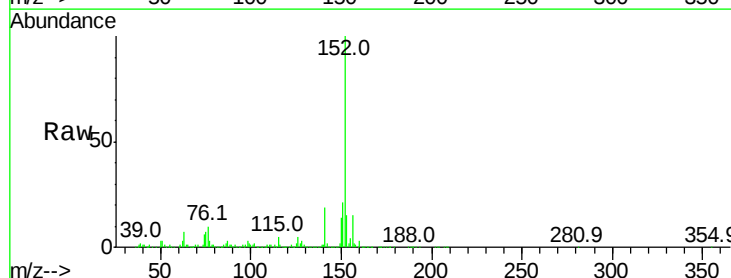
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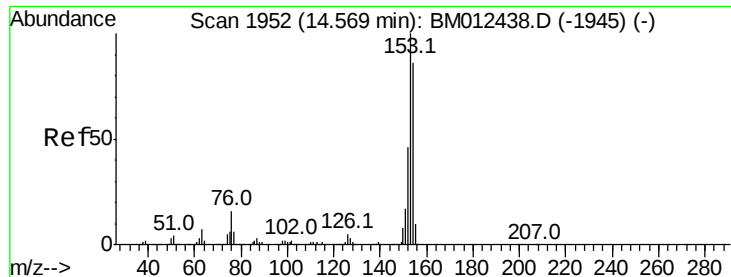
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#47
Acenaphthylene
Concen: 4.153 ng/ul
RT: 14.23 min Scan# 1895
Delta R.T. 0.01 min
Lab File: BM012448.D
Acq: 25 Oct 2017 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	732707		
151	21.0	16.3	24.5	
153	14.9	10.2	15.4	





#49

Acenaphthene

Concen: 1.528 ng/ul

RT: 14.57 min Scan# 1953

Delta R.T. 0.01 min

Lab File: BM012448.D

Acq: 25 Oct 2017 16:42

Instrument :

BNA_M

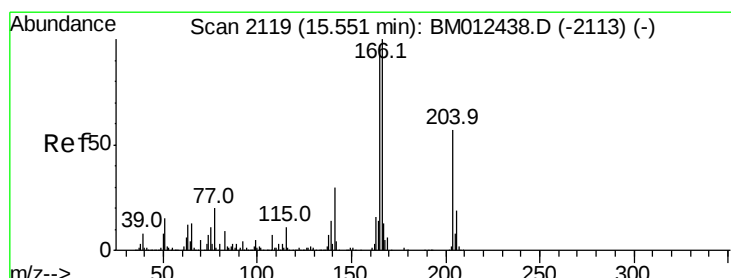
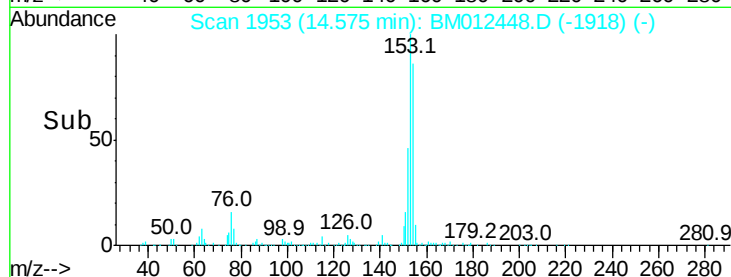
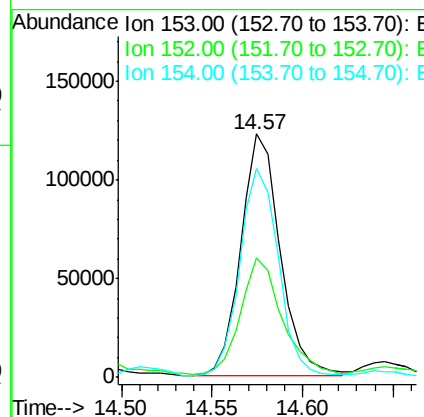
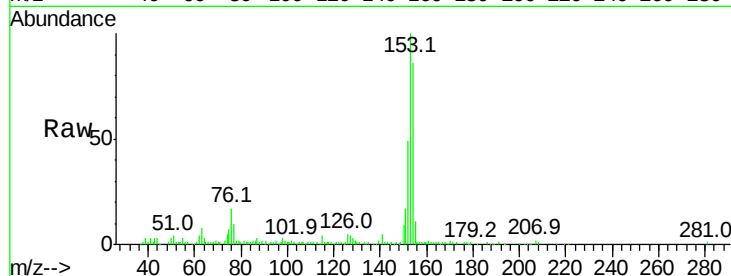
ClientSampleId :

B0CN4DL

Tot Ion:	153	Resp:	184691
Ion Ratio	Lower	Upper	
153	100		
152	48.8	37.6	56.4
154	85.9	70.4	105.6

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#58

Fluorene

Concen: 3.285 ng/ul

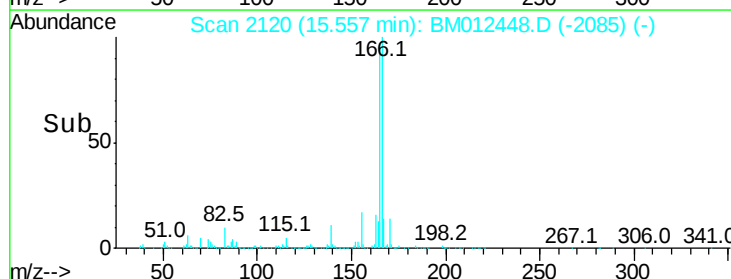
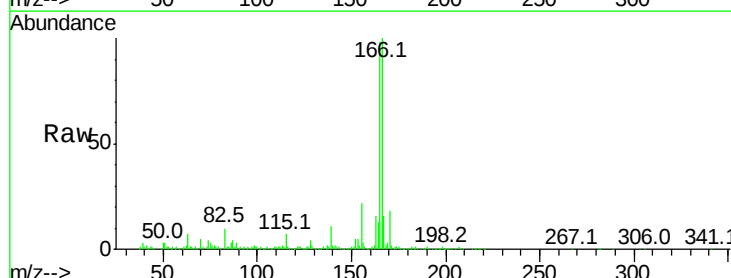
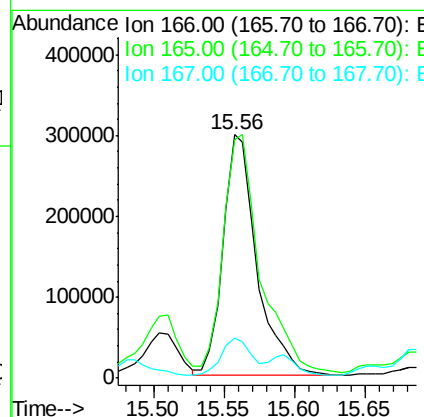
RT: 15.56 min Scan# 2120

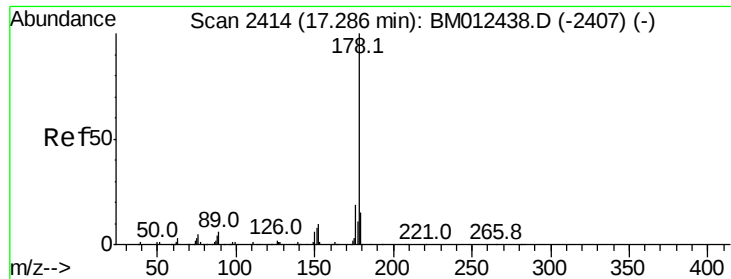
Delta R.T. 0.01 min

Lab File: BM012448.D

Acq: 25 Oct 2017 16:42

Tgt Ion:	166	Resp:	496868
Ion Ratio	Lower	Upper	
166	100		
165	98.0	77.9	116.9
167	16.4	10.6	16.0#





#69

Phenanthrene

Concen: 18.013 ng/ul

RT: 17.30 min Scan# 2416

Delta R.T. 0.01 min

Lab File: BM012448.D

Acq: 25 Oct 2017 16:42

Instrument :

BNA_M

ClientSampleId :

B0CN4DL

Tot Ion:178 Resp: 4299117

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

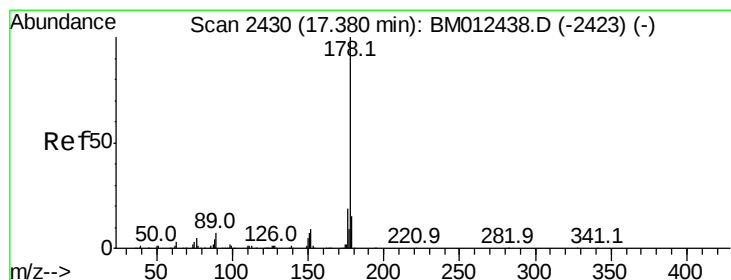
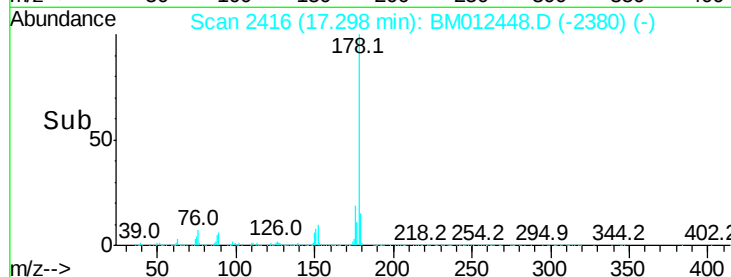
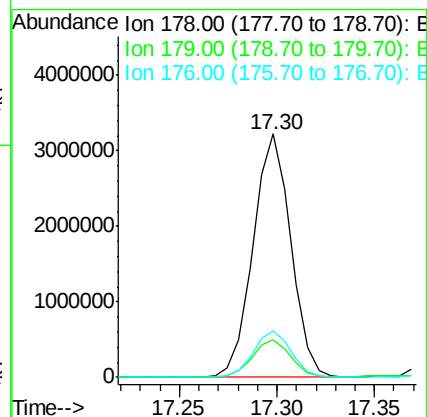
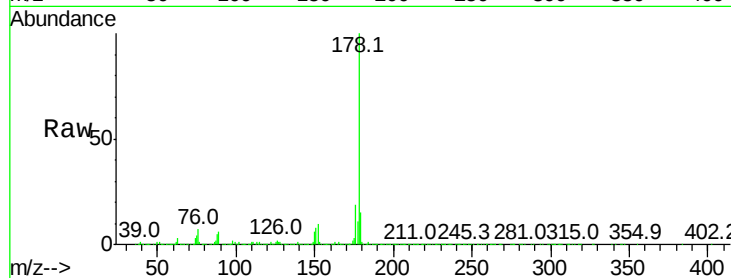
176 19.1 14.9 22.3

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#71

Anthracene

Concen: 3.667 ng/ul

RT: 17.39 min Scan# 2431

Delta R.T. 0.01 min

Lab File: BM012448.D

Acq: 25 Oct 2017 16:42

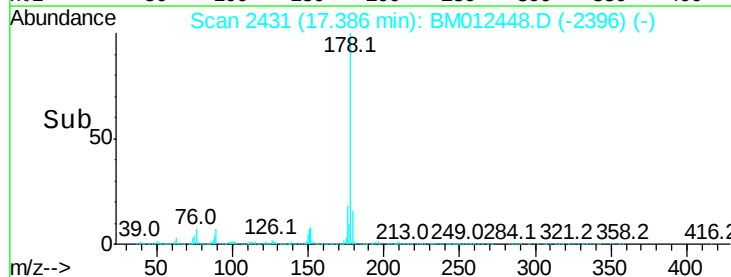
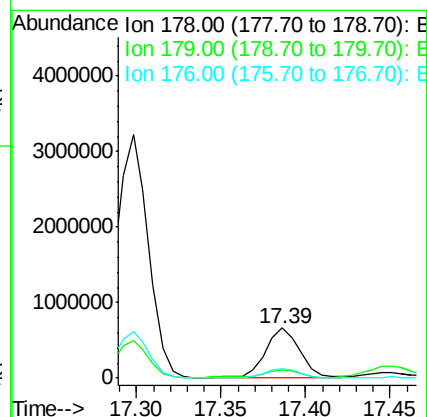
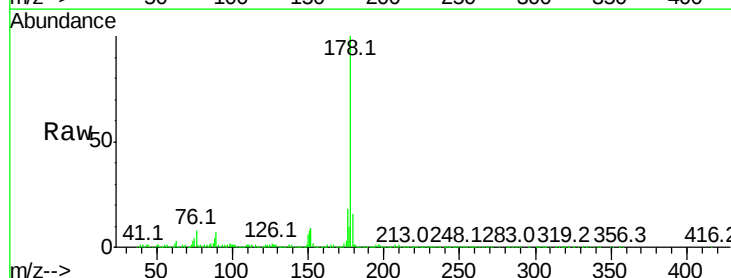
Tgt Ion:178 Resp: 904469

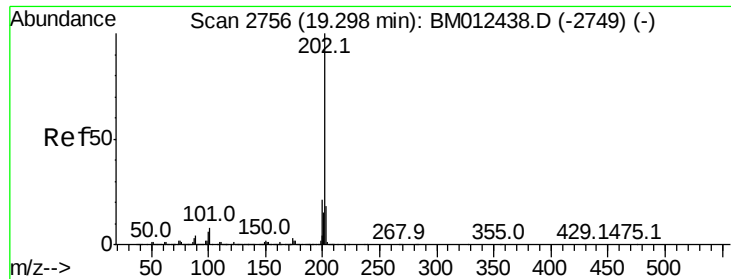
Ion Ratio Lower Upper

178 100

179 16.2 11.7 17.5

176 18.0 14.6 21.8





#74

Fluoranthene

Concen: 15.339 ng/ul

RT: 19.31 min Scan# 2758

Delta R.T. 0.01 min

Lab File: BM012448.D

Acq: 25 Oct 2017 16:42

Instrument :

BNA_M

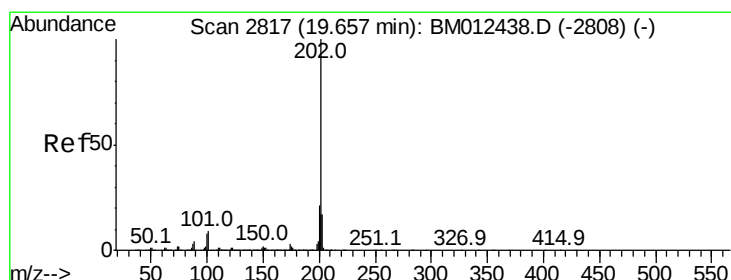
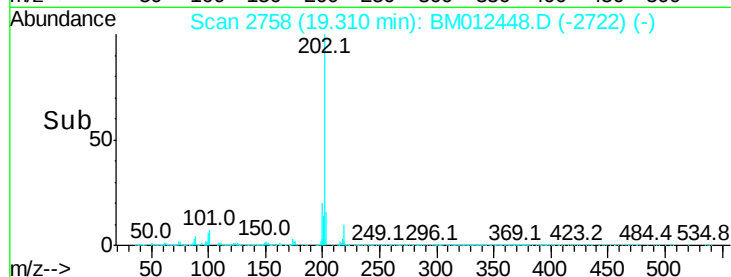
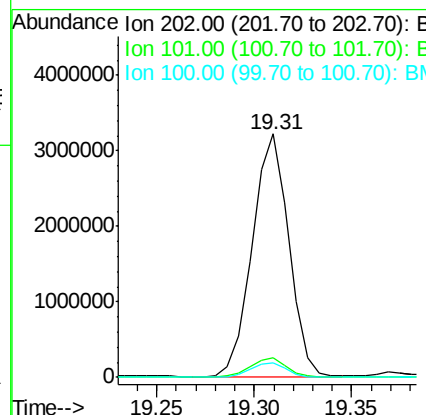
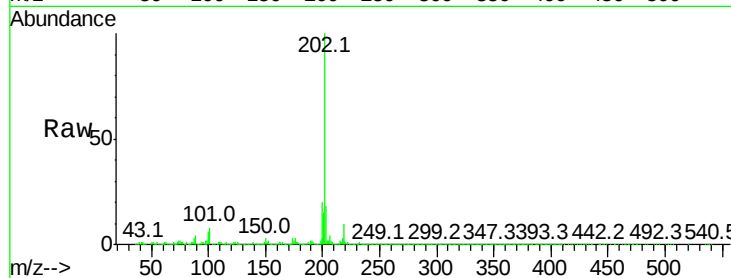
ClientSampleId :

B0CN4DL

Tot Ion:	202	Resp:	4148361
Ion	Ratio	Lower	Upper
202	100		
101	8.2	4.6	7.0#
100	6.1	3.4	5.2#

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#77

Pyrene

Concen: 28.618 ng/ul

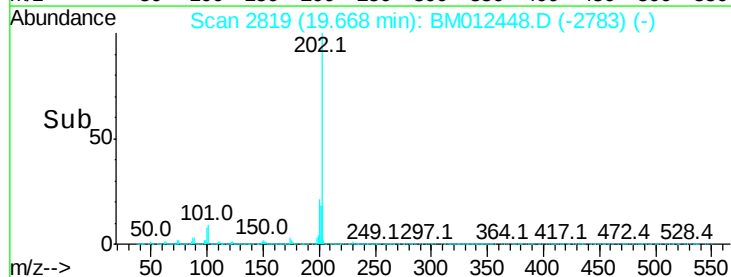
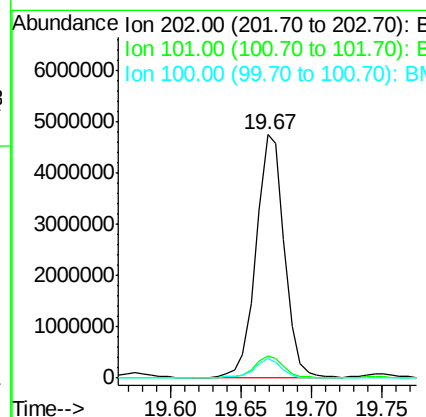
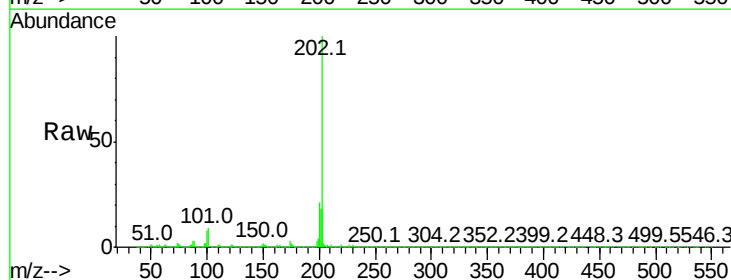
RT: 19.67 min Scan# 2819

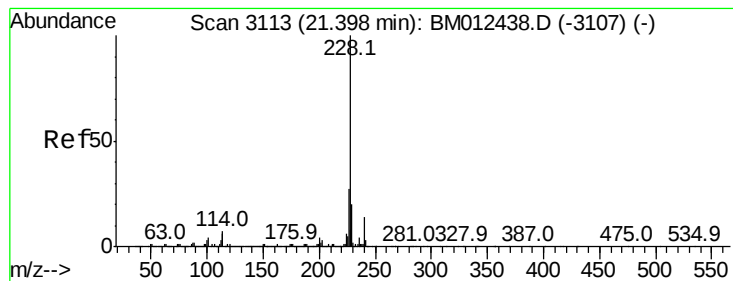
Delta R.T. 0.01 min

Lab File: BM012448.D

Acq: 25 Oct 2017 16:42

Tgt Ion:	202	Resp:	6633767
Ion	Ratio	Lower	Upper
202	100		
101	9.3	5.1	7.7#
100	7.8	4.9	7.3#





#80

Benzo(a)anthracene

Concen: 10.030 ng/ul

RT: 21.41 min Scan# 3115

Delta R.T. 0.01 min

Lab File: BM012448.D

Acq: 25 Oct 2017 16:42

Instrument :

BNA_M

ClientSampleID :

B0CN4DL

Tot Ion:228 Resp: 2448261

Ion Ratio Lower Upper

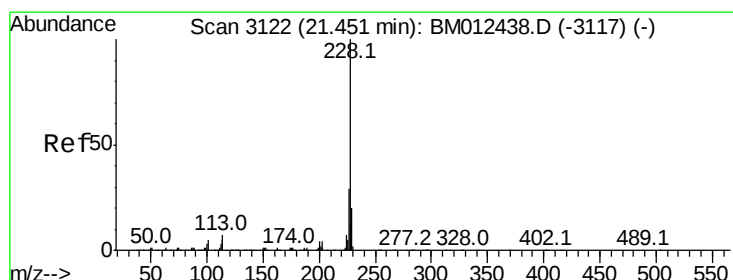
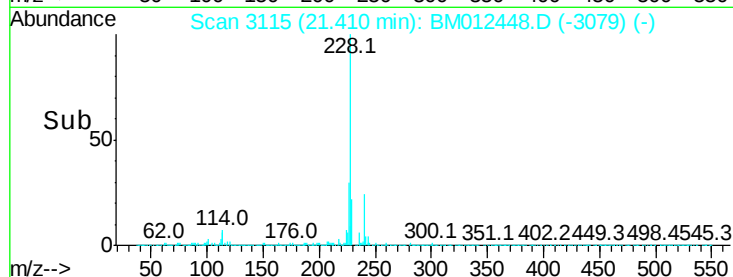
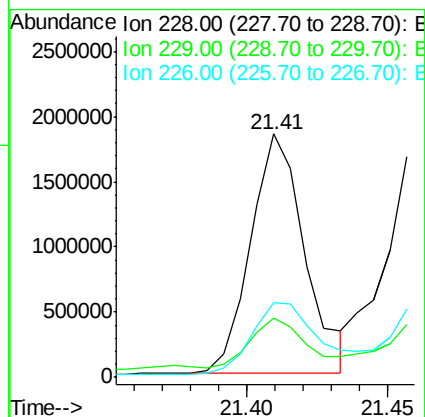
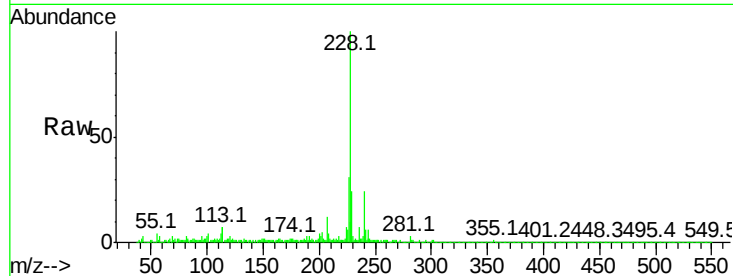
228 100

229 24.4 15.4 23.0#

226 30.7 21.4 32.0

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#82

Chrysene

Concen: 12.190 ng/ul

RT: 21.46 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM012448.D

Acq: 25 Oct 2017 16:42

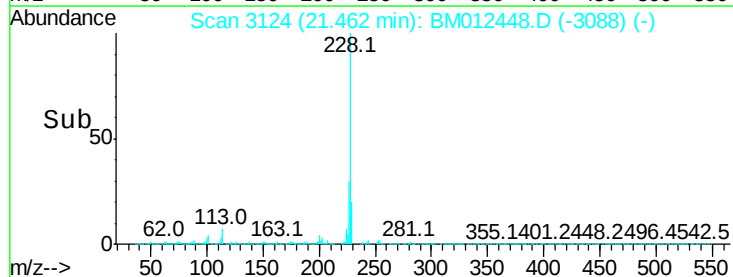
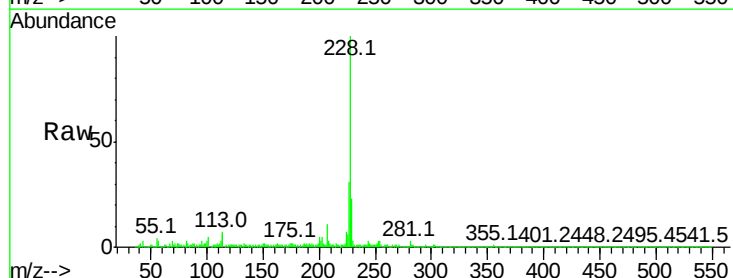
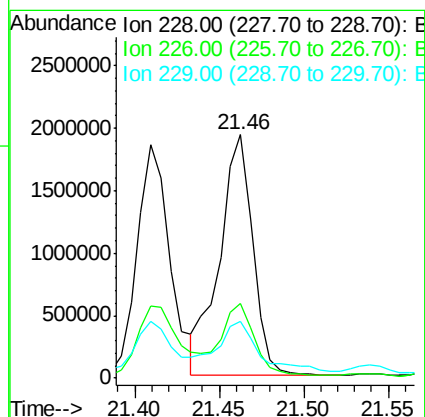
Tgt Ion:228 Resp: 2645492

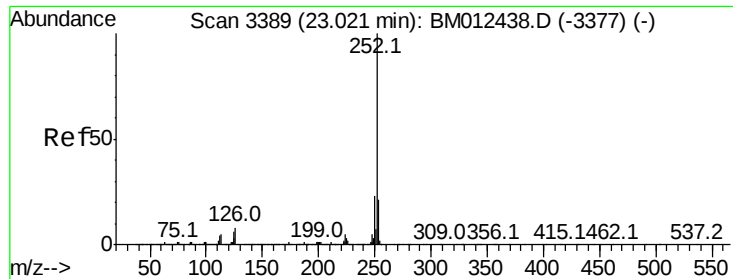
Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

229 23.1 15.5 23.3





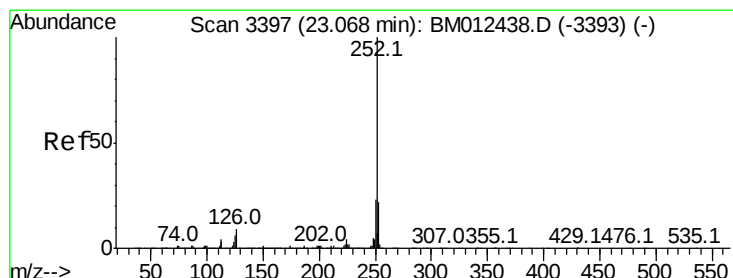
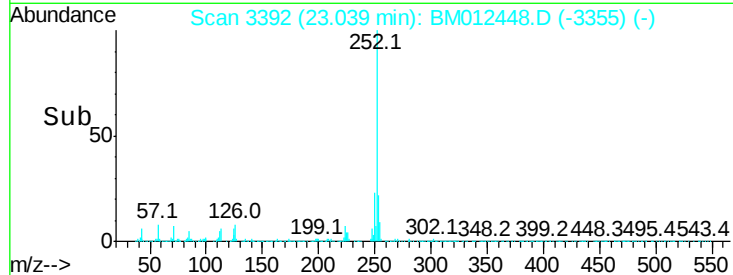
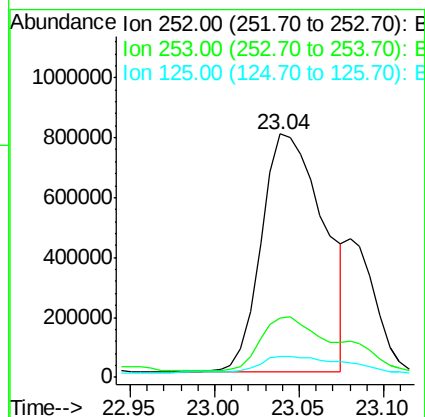
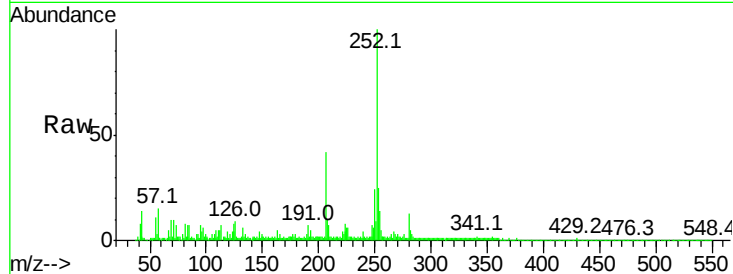
#85
Benzo(b)fluoranthene
Concen: 8.623 ng/ul
RT: 23.04 min Scan# 3392
Delta R.T. 0.02 min
Lab File: BM012448.D
Acq: 25 Oct 2017 16:42

Instrument :
BNA_M
ClientSampleId :
B0CN4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	8.4	3.6	5.4

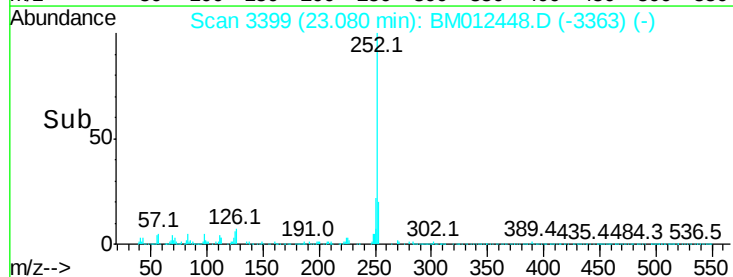
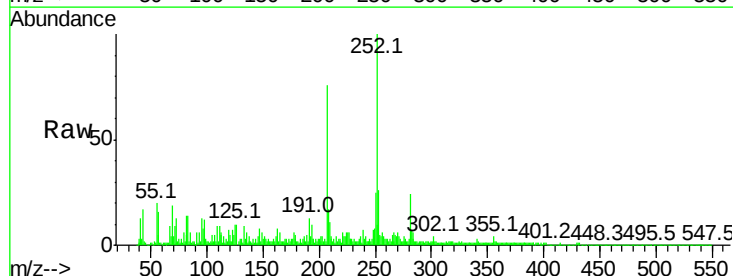
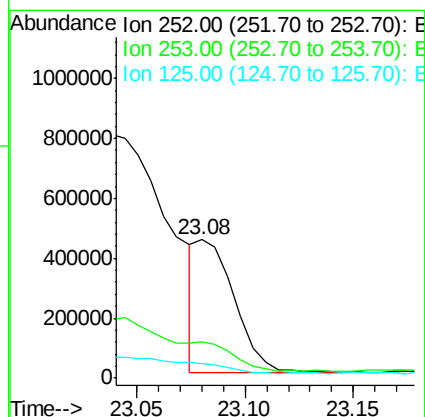
Manual Integrations
APPROVED

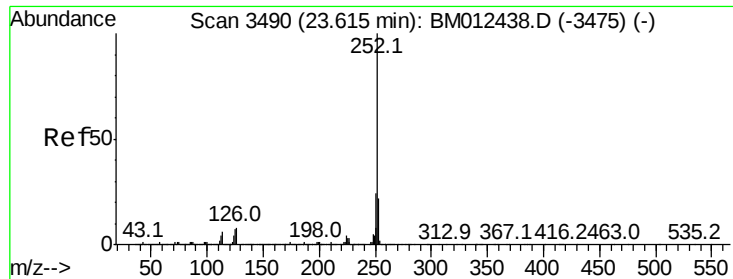
Sohil
10/27/2017 8:53:59 AM



#86
Benzo(k)fluoranthene
Concen: 2.427 ng/ul m
RT: 23.08 min Scan# 3399
Delta R.T. 0.01 min
Lab File: BM012448.D
Acq: 25 Oct 2017 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.1	25.7
125	10.1	3.4	5.2





#88

Benzo(a)pyrene

Concen: 8.420 ng/ul

RT: 23.63 min Scan# 3493

Delta R.T. 0.02 min

Lab File: BM012448.D

Acq: 25 Oct 2017 16:42

Instrument :

BNA_M

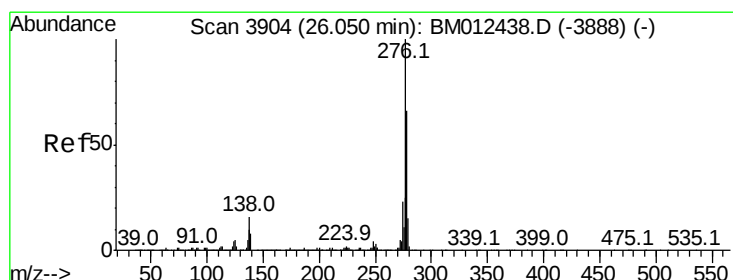
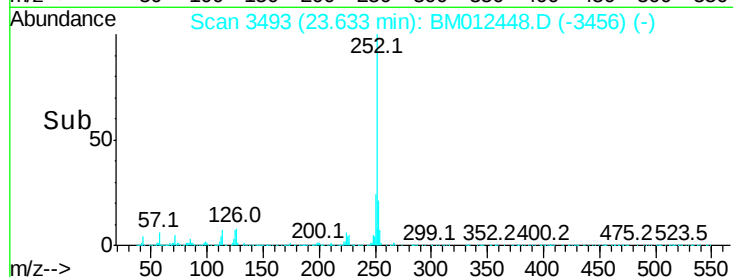
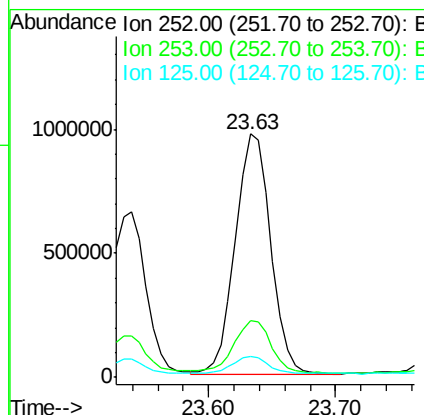
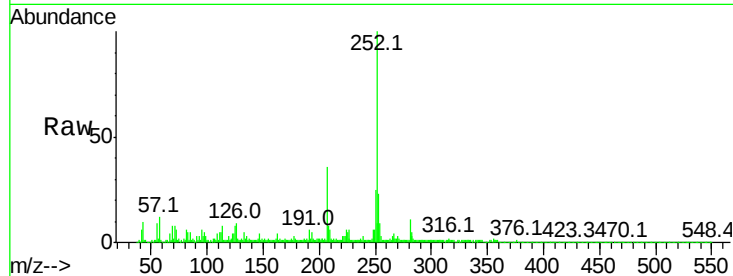
ClientSampled :

B0CN4DL

Tot Ion:	252	Resp:	1880200
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.2	27.2
125	8.4	4.0	6.0#

Manual Integrations
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Sohil
10/27/2017 8:53:59 AM



#89

Indeno(1,2,3-cd)pyrene

Concen: 4.165 ng/ul

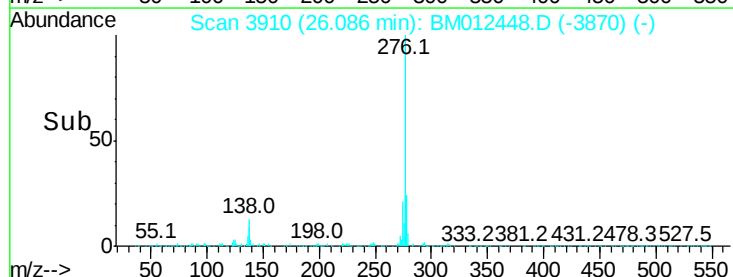
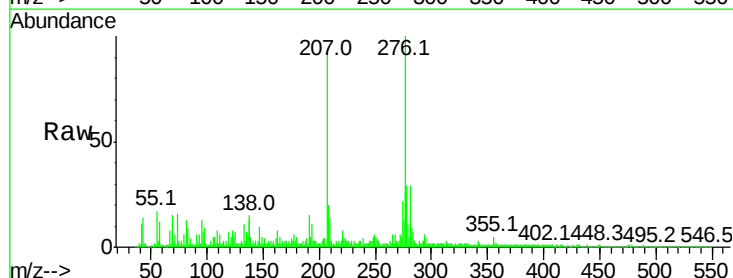
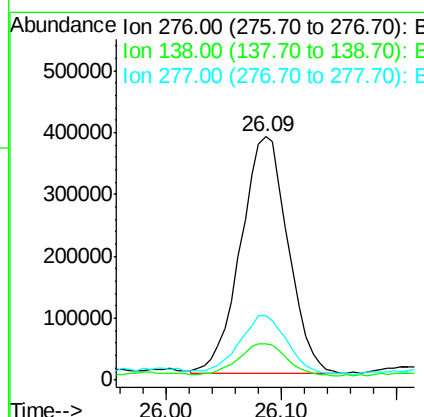
RT: 26.09 min Scan# 3910

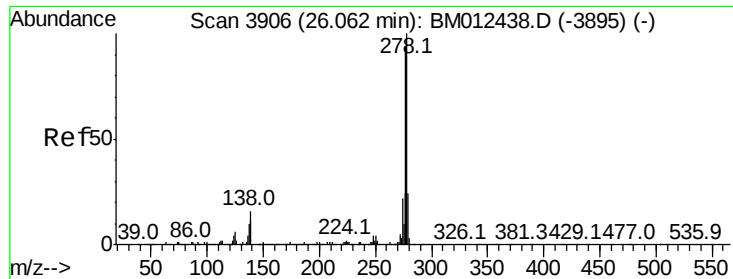
Delta R.T. 0.04 min

Lab File: BM012448.D

Acq: 25 Oct 2017 16:42

Tgt Ion:	276	Resp:	1094543
Ion Ratio	Lower	Upper	
276	100		
138	14.6	9.3	13.9#
277	26.4	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 1.610 ng/ul

RT: 26.09 min Scan# 3911

Delta R.T. 0.03 min

Lab File: BM012448.D

Acq: 25 Oct 2017 16:42

Instrument :

BNA_M

ClientSampleId :

B0CN4DL

Tot Ion:278 Resp: 358835

Ion Ratio Lower Upper

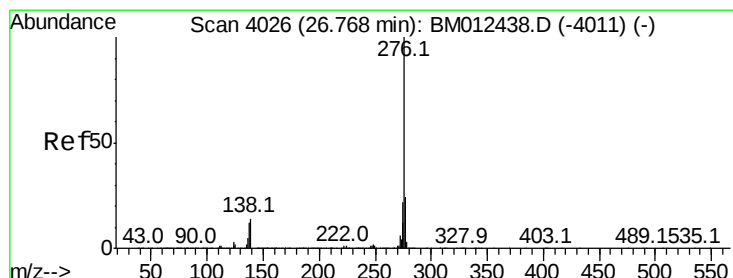
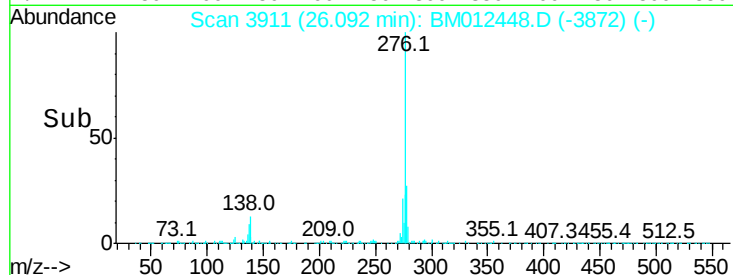
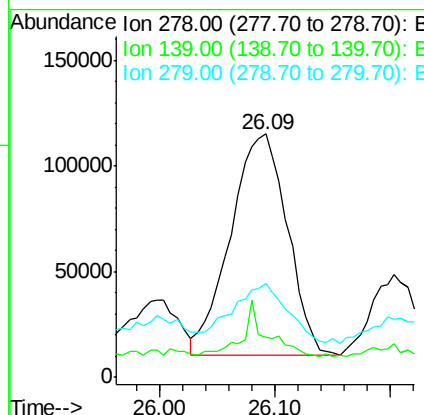
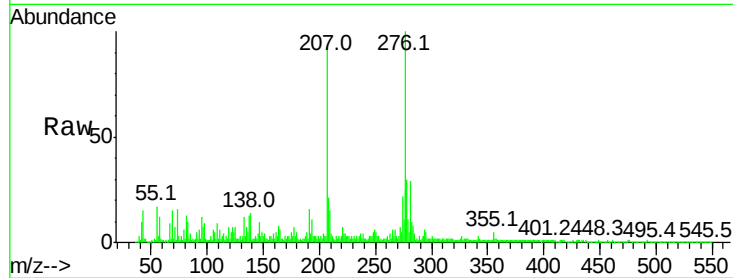
278 100

139 16.6 5.8 8.8#

279 38.3 18.6 27.8#

Manual Integrations
APPROVED

Sohil
10/27/2017 8:53:59 AM



#91

Benzo(g,h,i)perylene

Concen: 4.956 ng/ul

RT: 26.81 min Scan# 4033

Delta R.T. 0.04 min

Lab File: BM012448.D

Acq: 25 Oct 2017 16:42

Tgt Ion:276 Resp: 1055651

Ion Ratio Lower Upper

276 100

138 14.0 8.5 12.7#

277 26.6 18.6 28.0

