

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
 Data File : BM012449.D
 Acq On : 25 Oct 2017 17:18
 Operator : SJ/JU
 Sample : I5701-18DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 B0CK4DL

Manual Integrations
 APPROVED

Sohil
 10/27/2017 8:54:01 AM

Quant Time: Oct 26 05:18:55 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	731002	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	3149778	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	2040814	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.26	188	4805640	20.00	ng/ul	0.01
75) Chrysene-d12	21.43	240	3986124	20.00	ng/ul	0.01
83) Perylene-d12	23.74	264	3767206	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	7975	0.56	ng/uL	0.00
5) Phenol-d5	7.05	99	196990	3.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	119193	3.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	152537	3.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.59	113	165043	3.16	ng/ul	0.00
19) Nitrobenzene-d5	9.04	128	75614	3.83	ng/ul	0.01
22) 2-Nitrophenol-d4	9.76	143	77718	3.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	185521	3.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.81	131	60078	1.06	ng/ul	0.01
43) Dimethylphthalate-d6	13.92	166	607182	3.41	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	740912	3.51	ng/ul	0.00
51) 4-Nitrophenol-d4	14.71	143	65715	2.48	ng/ul	0.01
57) Fluorene-d10	15.50	176	534448	3.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	7227	0.31	ng/ul	0.02
70) Anthracene-d10	17.35	188	838071	3.66	ng/ul	0.00
76) Pyrene-d10	19.64	212	829339	4.53	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.59	264	611520	3.42	ng/ul	0.02

Target Compounds

					Ovalue	
44) Dimethylphthalate	13.97	163	233821	1.326	ng/ul	100
47) Acenaphthylene	14.23	152	611461	3.038	ng/ul	98
69) Phenanthrene	17.30	178	2922511	11.246	ng/ul	99
71) Anthracene	17.39	178	664433	2.474	ng/ul	97
74) Fluoranthene	19.31	202	4872882	16.548	ng/ul#	95
77) Pyrene	19.67	202	6172879	27.232	ng/ul#	94
80) Benzo(a)anthracene	21.41	228	2328166m	9.754	ng/ul	
82) Chrysene	21.46	228	2718854	12.811	ng/ul	95
85) Benzo(b)fluoranthene	23.04	252	2226787	9.562	ng/ul#	96
86) Benzo(k)fluoranthene	23.08	252	800867m	3.654	ng/ul	
88) Benzo(a)pyrene	23.63	252	1850752	8.335	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.09	276	1247759	4.775	ng/ul	97
90) Dibenzo(a,h)anthracene	26.09	278	365238	1.649	ng/ul#	67
91) Benzo(g,h,i)perylene	26.80	276	1234411	5.829	ng/ul#	94

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

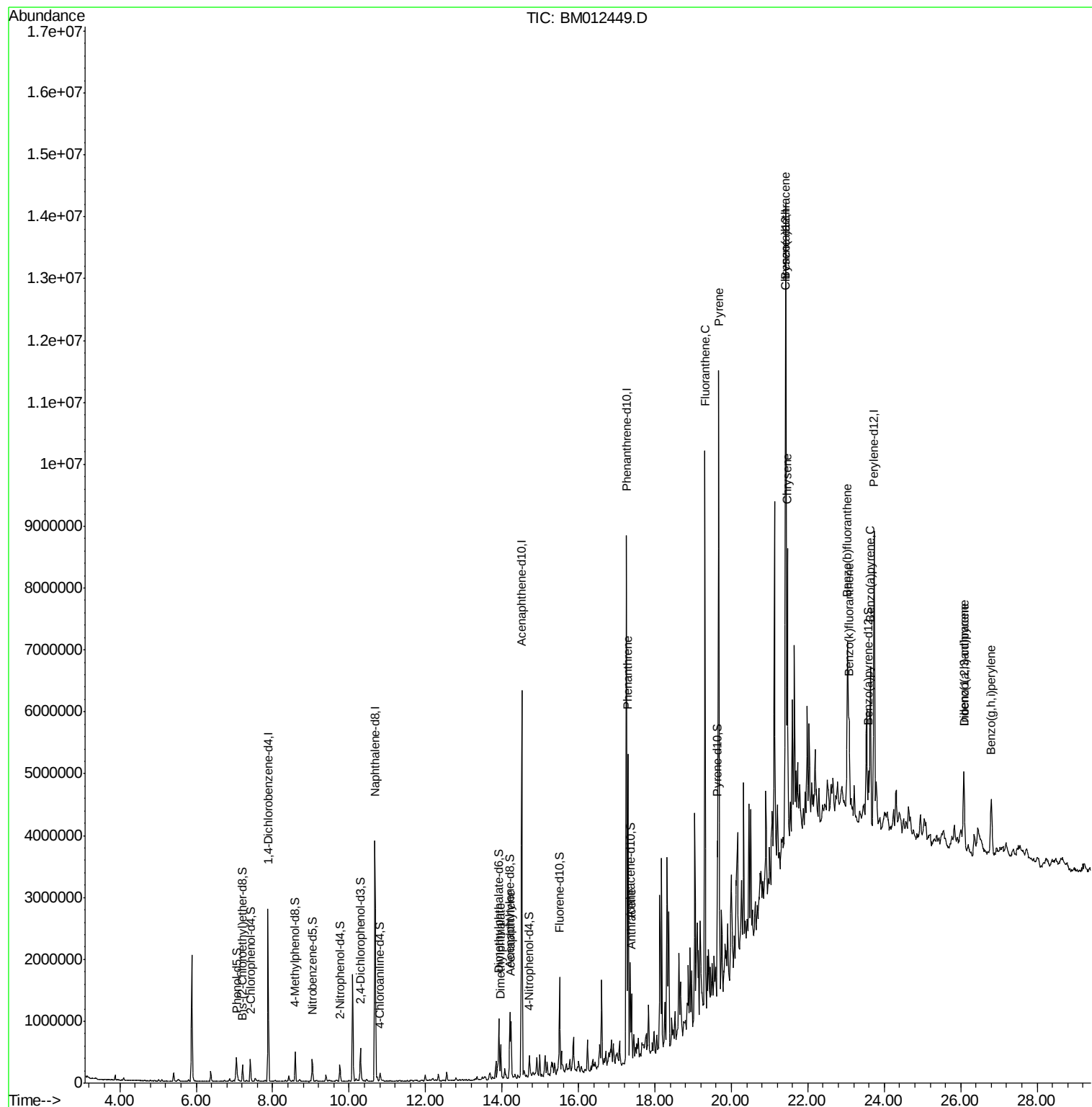
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012449.D
Acq On : 25 Oct 2017 17:18
Operator : SJ/JU
Sample : I5701-18DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

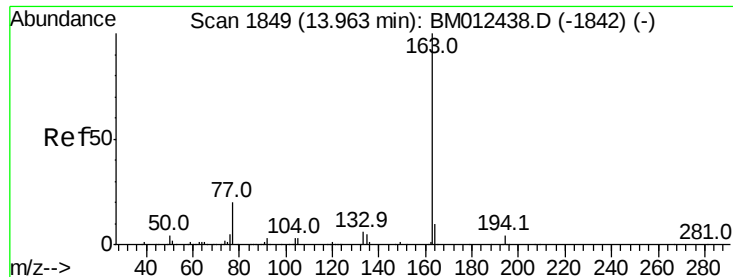
Instrument :
BNA_M
ClientSampled :
B0CK4DL

Manual Integrations
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10/27/2017 8:54:01 AM

Quant Time: Oct 26 05:18:55 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





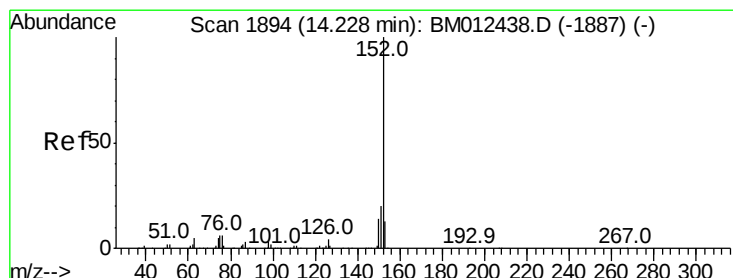
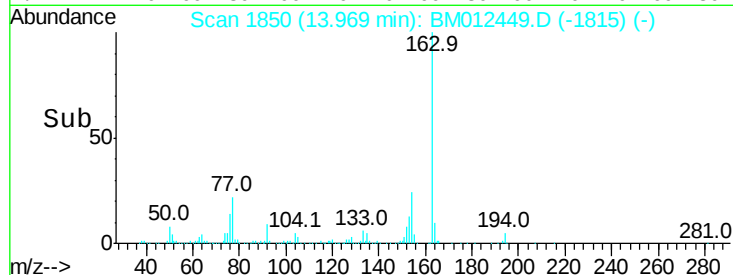
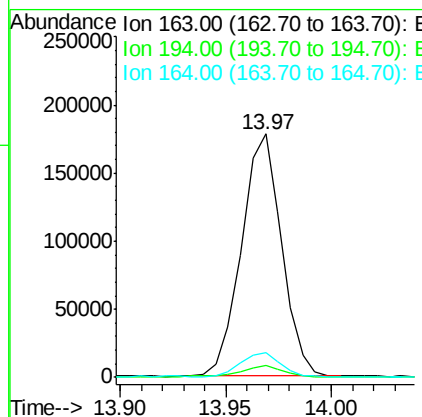
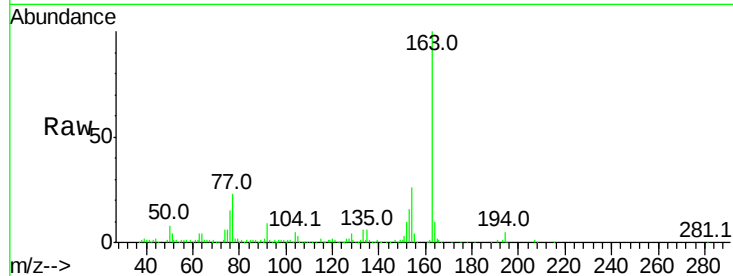
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Dimethylphthalate
Concen: 1.326 ng/ul
RT: 13.97 min Scan# 1850
Delta R.T. 0.01 min
Lab File: BM012449.D
Acq: 25 Oct 2017 17:18

Instrument :
BNA_M
ClientSampleId :
B0CK4DL

Tot Ion	Ratio	Resp	Lower	Upper
163	100	233821		
194	4.7	3.5	5.3	
164	10.2	8.2	12.4	

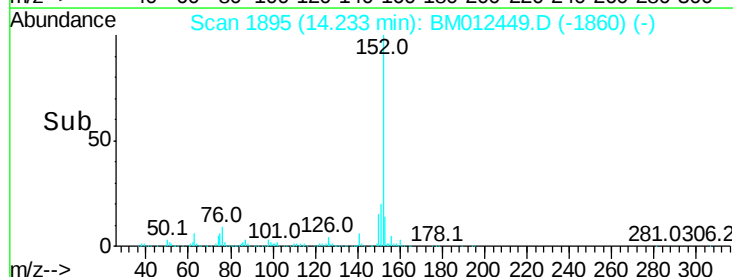
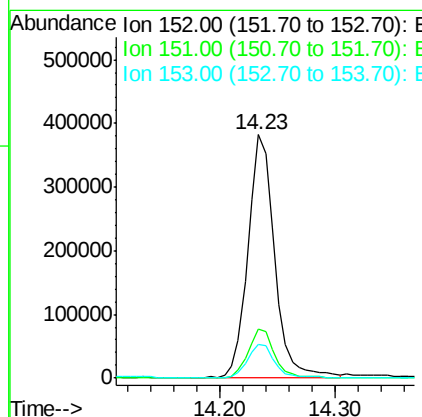
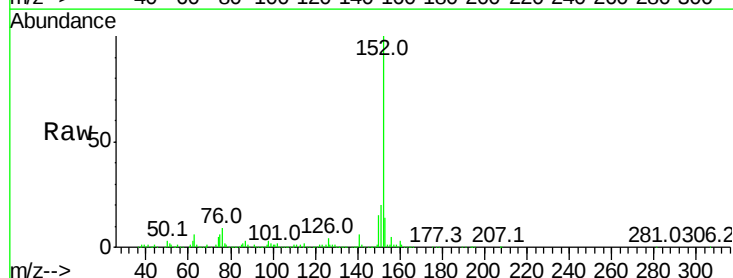
Manual Integrations
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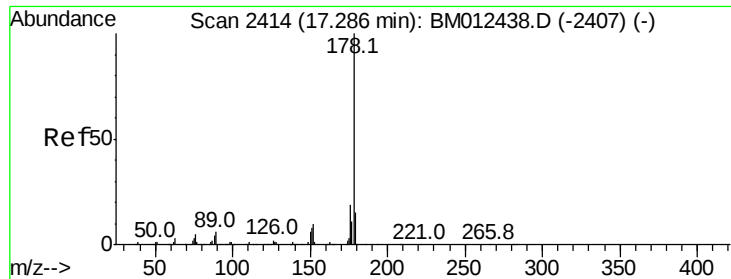
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#47
Acenaphthylene
Concen: 3.038 ng/ul
RT: 14.23 min Scan# 1895
Delta R.T. 0.01 min
Lab File: BM012449.D
Acq: 25 Oct 2017 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	611461		
151	19.9	16.3	24.5	
153	14.0	10.2	15.4	





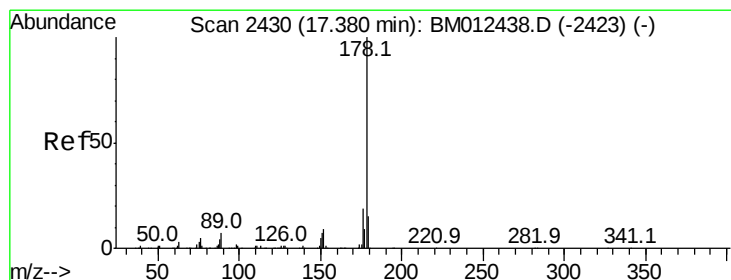
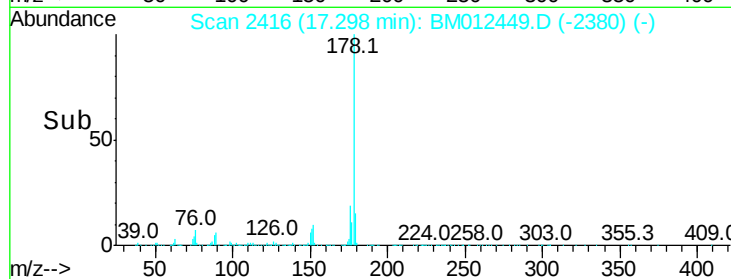
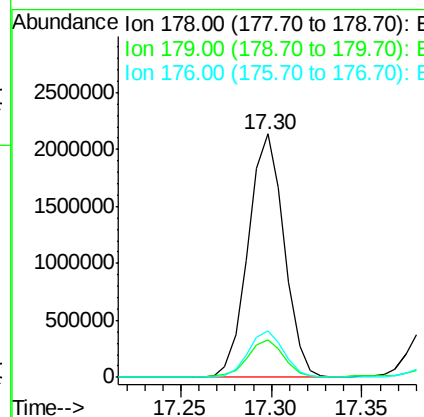
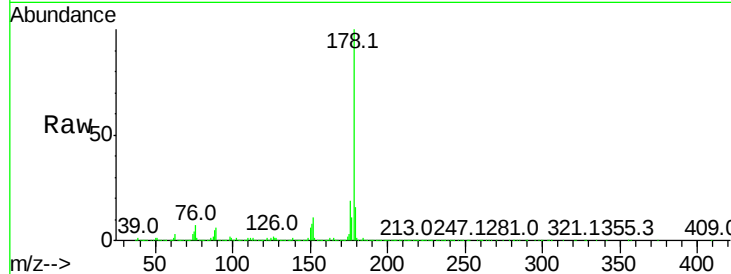
#69
Phenanthrene
Concen: 11.246 ng/ul
RT: 17.30 min Scan# 2416
Delta R.T. 0.01 min
Lab File: BM012449.D
Acq: 25 Oct 2017 17:18

Instrument :
BNA_M
ClientSampleId :
B0CK4DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	19.0
176	19.1	14.9	22.3

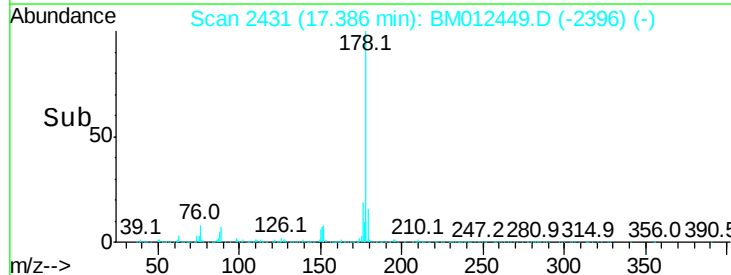
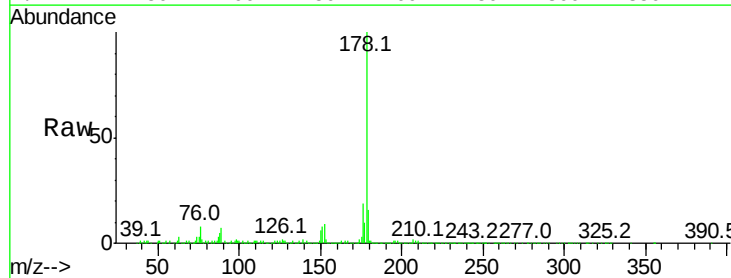
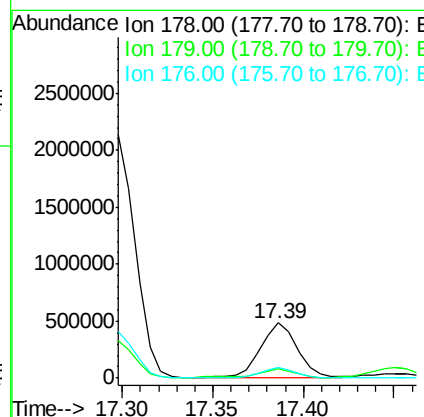
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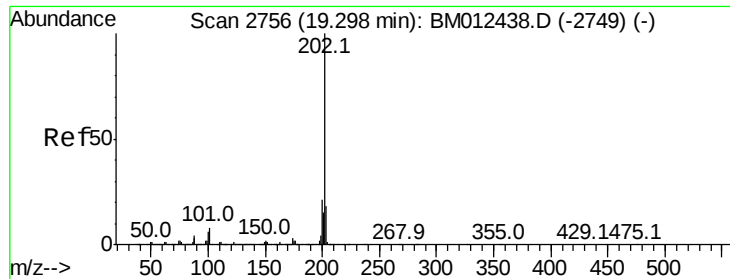
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#71
Anthracene
Concen: 2.474 ng/ul
RT: 17.39 min Scan# 2431
Delta R.T. 0.01 min
Lab File: BM012449.D
Acq: 25 Oct 2017 17:18

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.7	17.5
176	19.0	14.6	21.8





#74

Fluoranthene

Concen: 16.548 ng/ul

RT: 19.31 min Scan# 2758

Delta R.T. 0.01 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

Instrument :

BNA_M

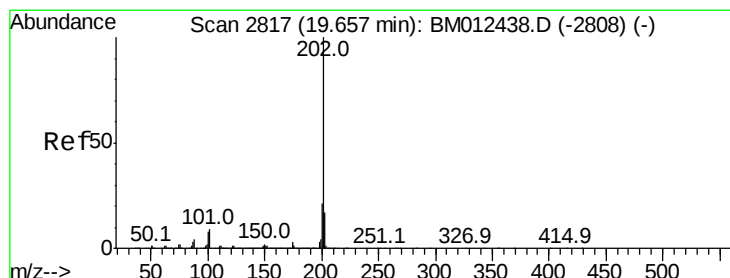
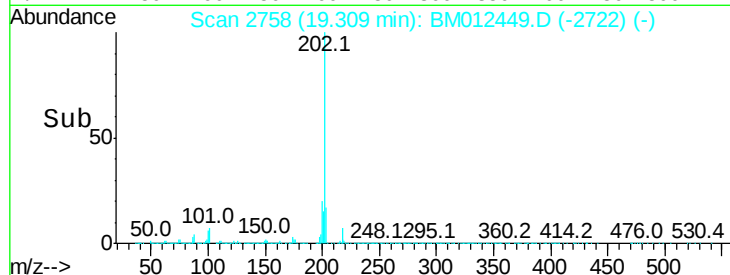
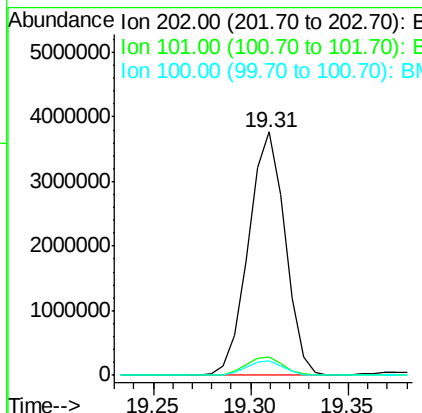
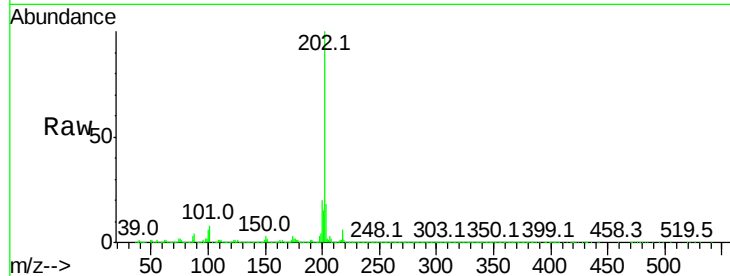
ClientSampleId :

B0CK4DL

Tot Ion:	202	Resp:	4872882
Ion Ratio	Lower	Upper	
202	100		
101	7.7	4.6	7.0#
100	5.9	3.4	5.2#

Manual Integrations
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#77

Pyrene

Concen: 27.232 ng/ul

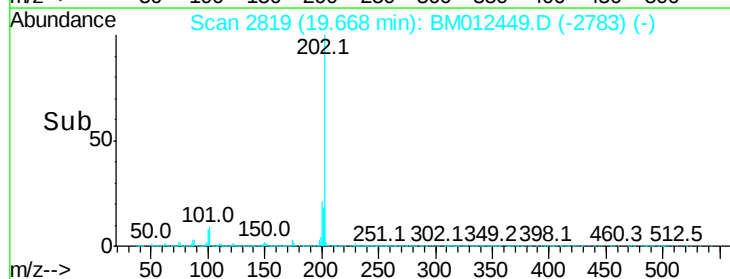
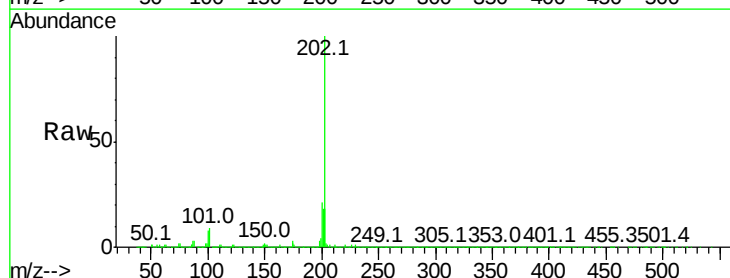
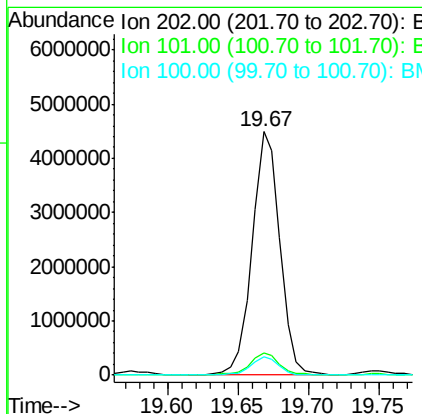
RT: 19.67 min Scan# 2819

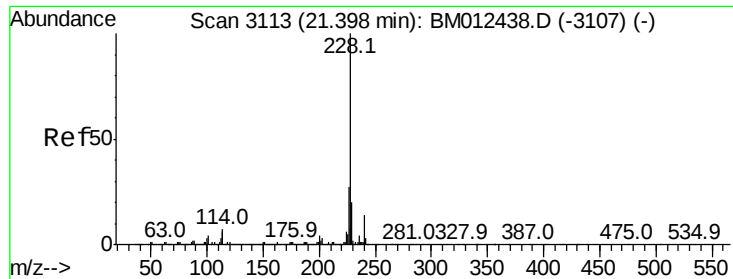
Delta R.T. 0.01 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

Tgt Ion:	202	Resp:	6172879
Ion Ratio	Lower	Upper	
202	100		
101	8.9	5.1	7.7#
100	7.6	4.9	7.3#





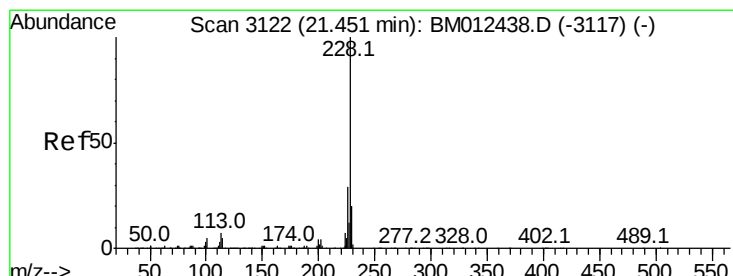
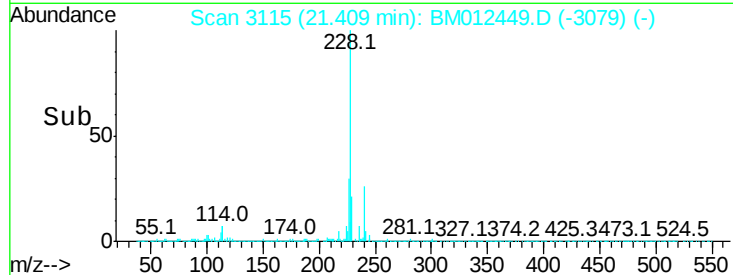
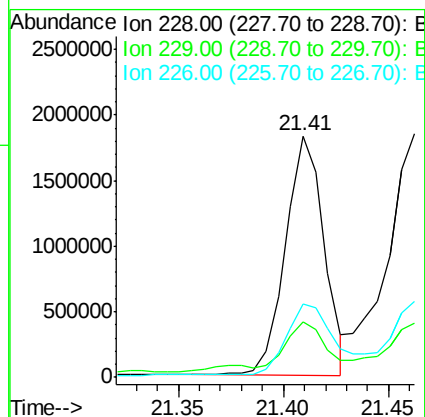
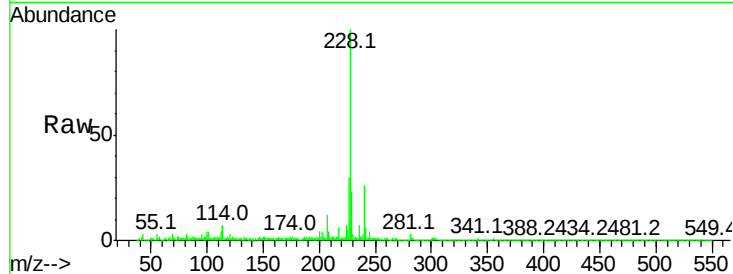
#80
Benzo(a)anthracene
Concen: 9.754 ng/ul m
RT: 21.41 min Scan# 3115
Delta R.T. 0.01 min
Lab File: BM012449.D
Acq: 25 Oct 2017 17:18

Instrument :
BNA_M
ClientSampled :
B0CK4DL

Tot Ion:228 Resp: 2328166
Ion Ratio Lower Upper
228 100
229 23.1 15.4 23.0#
226 30.3 21.4 32.0

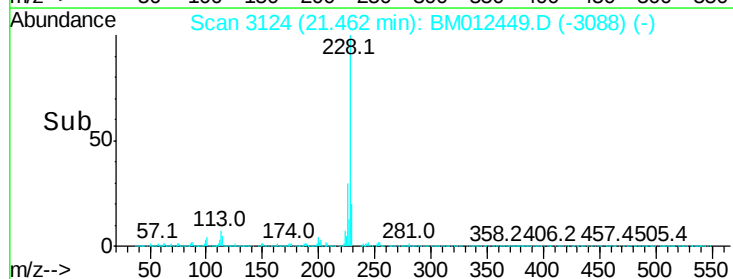
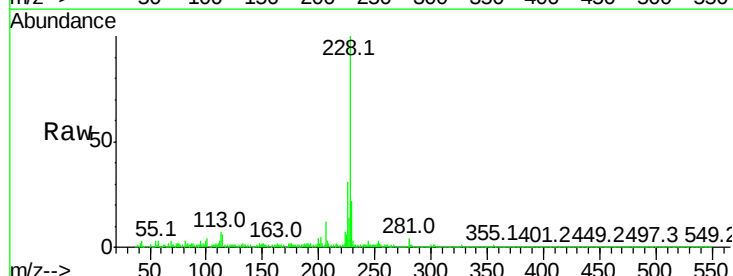
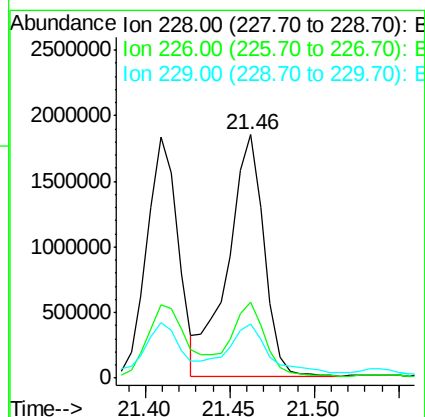
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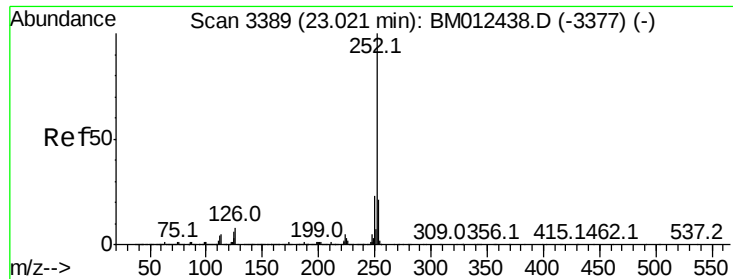
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#82
Chrysene
Concen: 12.811 ng/ul
RT: 21.46 min Scan# 3124
Delta R.T. 0.01 min
Lab File: BM012449.D
Acq: 25 Oct 2017 17:18

Tgt Ion:228 Resp: 2718854
Ion Ratio Lower Upper
228 100
226 31.1 23.4 35.2
229 22.4 15.5 23.3





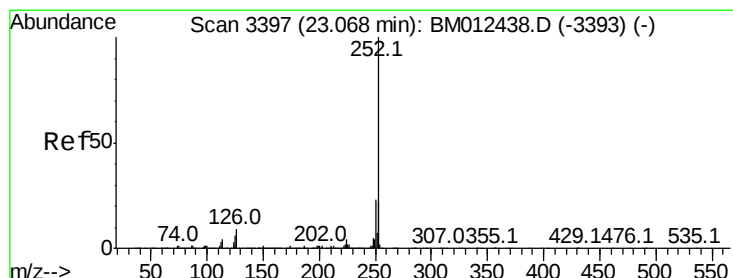
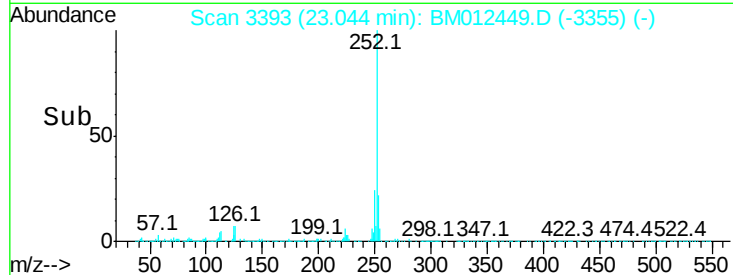
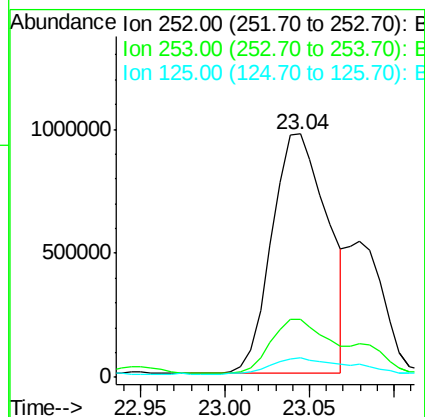
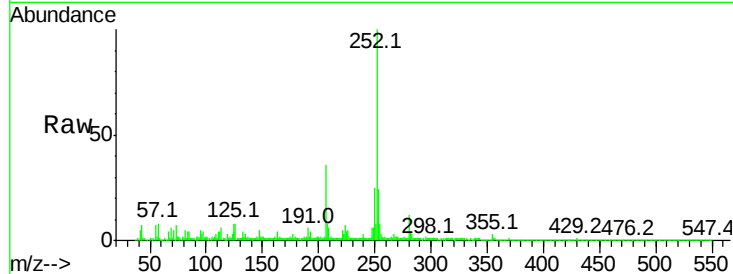
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Benzo(b)fluoranthene
Concen: 9.562 ng/ul
RT: 23.04 min Scan# 3393
Delta R.T. 0.02 min
Lab File: BM012449.D
Acq: 25 Oct 2017 17:18

Instrument :
BNA_M
ClientSampleId :
B0CK4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	8.1	3.6	5.4

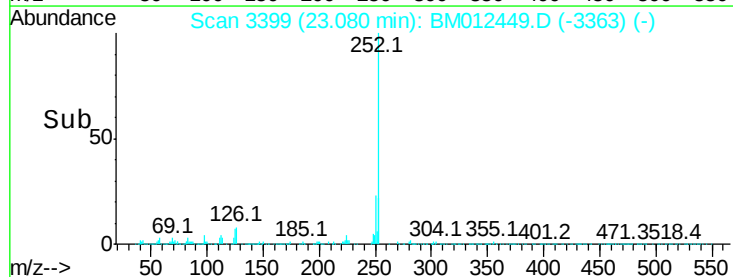
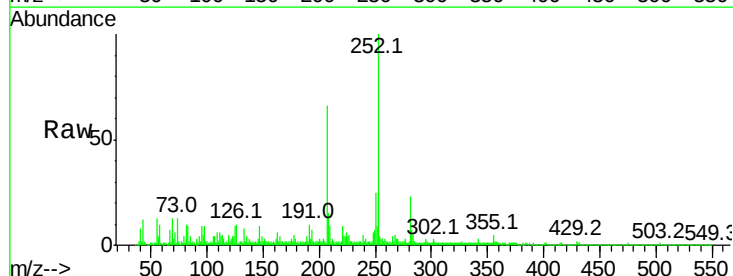
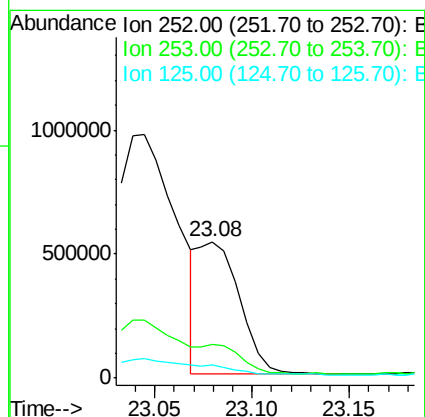
Manual Integrations
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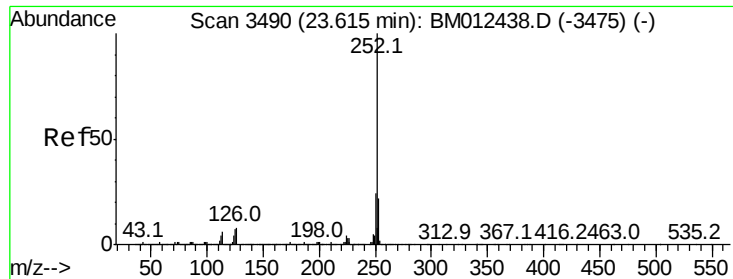
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#86
Benzo(k)fluoranthene
Concen: 3.654 ng/ul m
RT: 23.08 min Scan# 3399
Delta R.T. 0.01 min
Lab File: BM012449.D
Acq: 25 Oct 2017 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	9.3	3.4	5.2





#88

Benzo(a)pyrene

Concen: 8.335 ng/ul

RT: 23.63 min Scan# 3493

Delta R.T. 0.02 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

Instrument :

BNA_M

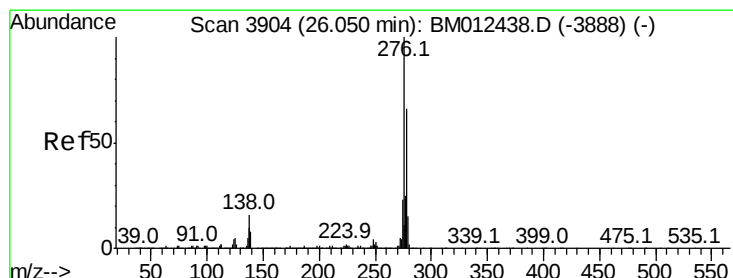
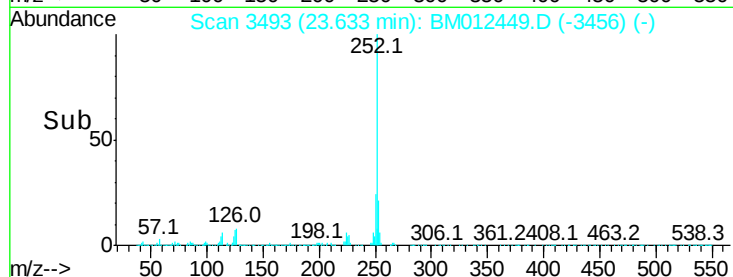
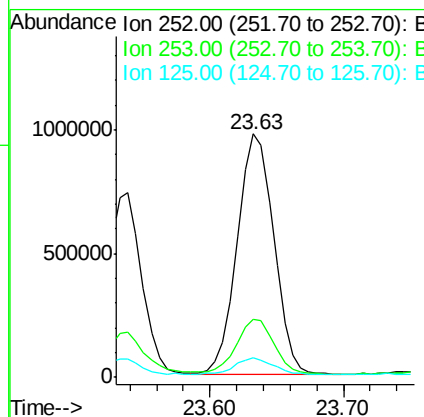
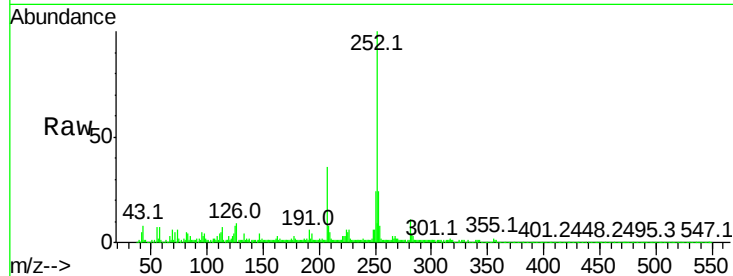
ClientSampleId :

B0CK4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	8.0	4.0	6.0

Manual Integrations
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#89

Indeno(1,2,3-cd)pyrene

Concen: 4.775 ng/ul

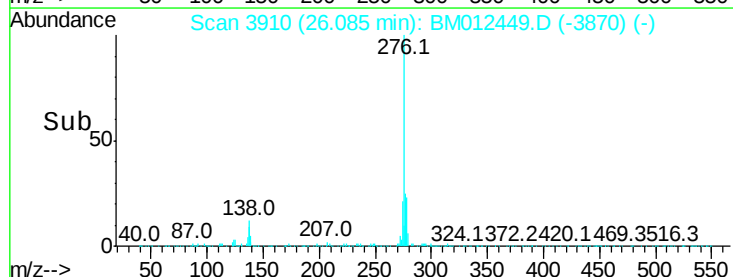
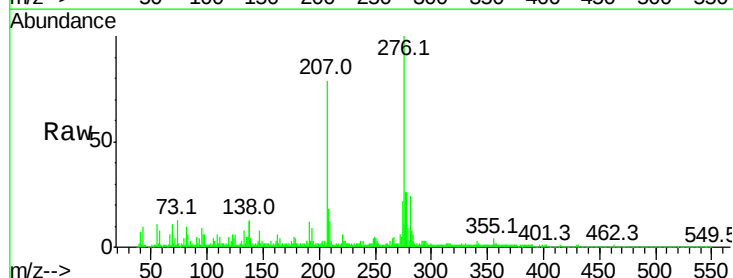
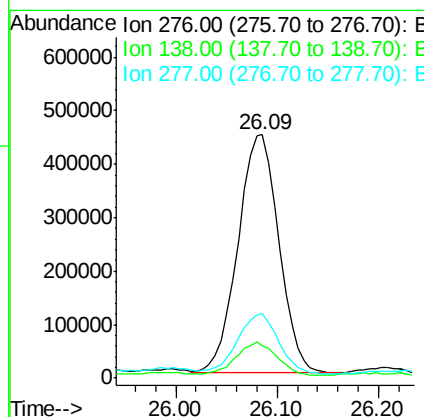
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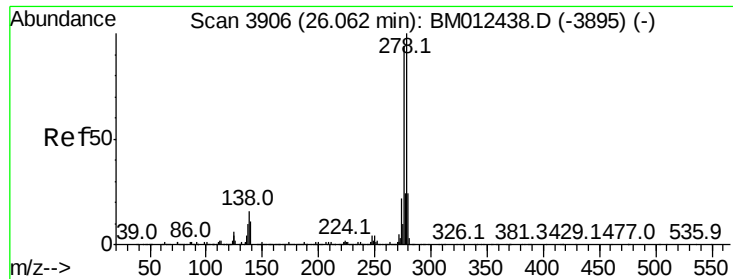
Delta R.T. 0.03 min

Lab File: BM012449.D

Acq: 25 Oct 2017 17:18

Tgt Ion	Ratio	Lower	Upper
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277	26.3	19.9	29.9





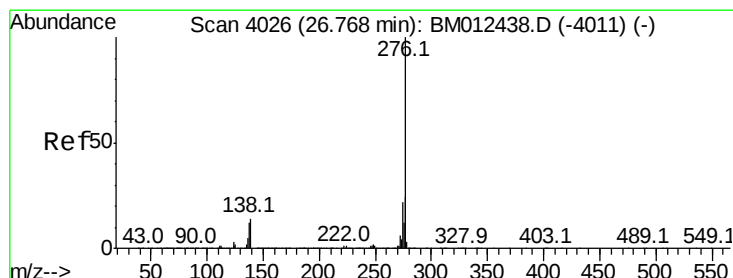
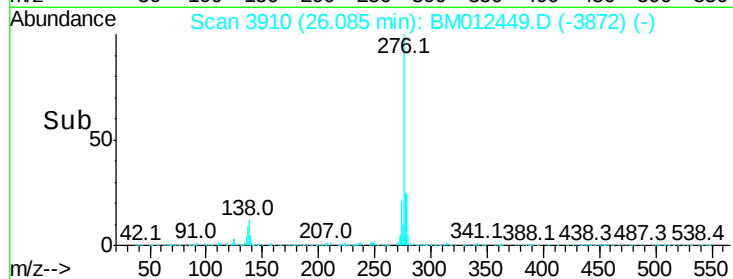
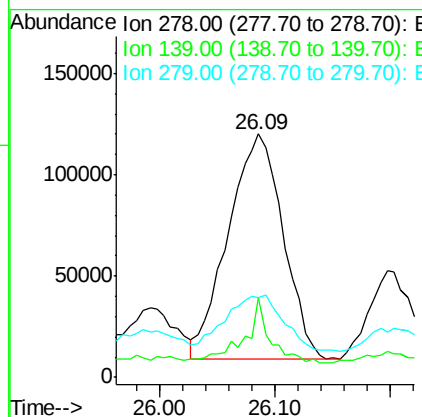
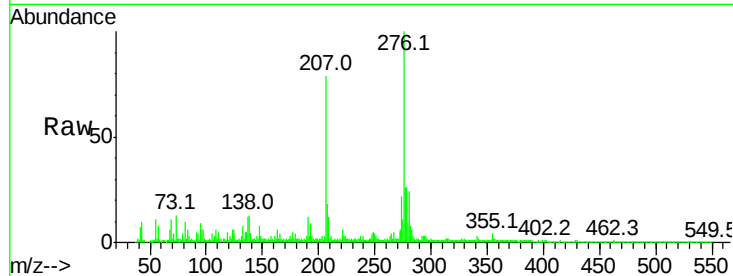
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Dibenzo(a,h)anthracene
Concen: 1.649 ng/ul
RT: 26.09 min Scan# 3910
Delta R.T. 0.02 min
Lab File: BM012449.D
Acq: 25 Oct 2017 17:18

Instrument :
BNA_M
ClientSampleId :
B0CK4DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.8	5.8	8.8#
279	32.9	18.6	27.8#

Manual Integrations
APPROVED

Sohil
10/27/2017 8:54:01 AM



#91
Benzo(g,h,i)perylene
Concen: 5.829 ng/ul
RT: 26.80 min Scan# 4032
Delta R.T. 0.03 min
Lab File: BM012449.D
Acq: 25 Oct 2017 17:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.6	8.5	12.7#
277	26.0	18.6	28.0

