

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
 Data File : BM012126.D
 Acq On : 13 Oct 2017 07:40
 Operator : SJ/JU
 Sample : I5568-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-51(1-2)-092817

Manual Integrations
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Sohil
 6/22/2018 4:49:01 PM

Quant Time: Oct 24 05:24:13 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 13 04:53:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	312376	20.00	ng/ul	0.02
18) Naphthalene-d8	10.66	136	1239387	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.50	164	695250	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.25	188	1496791	20.00	ng/ul	0.02
75) Chrysene-d12	21.44	240	2057623	20.00	ng/ul	0.04
83) Perylene-d12	23.80	264	2323971	20.00	ng/ul	0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	14355	2.18	ng/uL	0.00
5) Phenol-d5	7.02	99	367415	14.50	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.17	67	228016	15.00	ng/ul	0.02
9) 2-Chlorophenol-d4	7.38	132	333818	15.53	ng/ul	0.02
13) 4-Methylphenol-d8	8.57	113	316784	14.52	ng/ul	0.03
19) Nitrobenzene-d5	9.02	128	156310	16.53	ng/ul	0.02
22) 2-Nitrophenol-d4	9.74	143	155065	14.03	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.29	165	333116	15.79	ng/ul	0.03
29) 4-Chloroaniline-d4	10.80	131	88363	4.47	ng/ul	0.03
43) Dimethylphthalate-d6	13.90	166	1013836	16.50	ng/ul	0.02
46) Acenaphthylene-d8	14.20	160	1297410	17.44	ng/ul	0.02
51) 4-Nitrophenol-d4	14.74	143	98083	10.62	ng/ul	0.05
57) Fluorene-d10	15.50	176	869629	17.24	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.65	200	10609m	1.03	ng/ul	0.05
70) Anthracene-d10	17.35	188	1335053	18.04	ng/ul	0.03
76) Pyrene-d10	19.65	212	1553498	14.87	ng/ul	0.04
87) Benzo(a)pyrene-d12	23.65	264	1980062	17.67	ng/ul	0.08

Target Compounds

						Ovalue
28) Naphthalene	10.70	128	479250	7.47	ng/ul	99
40) 1,1'-Biphenyl	13.33	154	744153	12.68	ng/ul	99
42) 2-Nitroaniline	13.59	65	82252	6.42	ng/ul	88
69) Phenanthrene	17.30	178	491987	5.78	ng/ul	99
71) Anthracene	17.39	178	123402	1.40	ng/ul	97
74) Fluoranthene	19.32	202	1095643	10.66	ng/ul#	93
77) Pyrene	19.68	202	1003628	7.39	ng/ul#	90
80) Benzo(a)anthracene	21.42	228	776748	5.80	ng/ul#	84
81) Bis(2-ethylhexyl)phthalate	21.32	149	1341007	14.77	ng/ul	99
82) Chrysene	21.47	228	1024968m	8.15	ng/ul	
85) Benzo(b)fluoranthene	23.08	252	1347444	8.88	ng/ul#	78
86) Benzo(k)fluoranthene	23.12	252	362551m	2.48	ng/ul	
88) Benzo(a)pyrene	23.70	252	847553	5.93	ng/ul#	73
89) Indeno(1,2,3-cd)pyrene	26.24	276	607994	4.01	ng/ul#	74
90) Dibenzo(a,h)anthracene	26.23	278	228225m	1.79	ng/ul	
91) Benzo(g,h,i)perylene	27.00	276	622911	5.01	ng/ul#	66

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

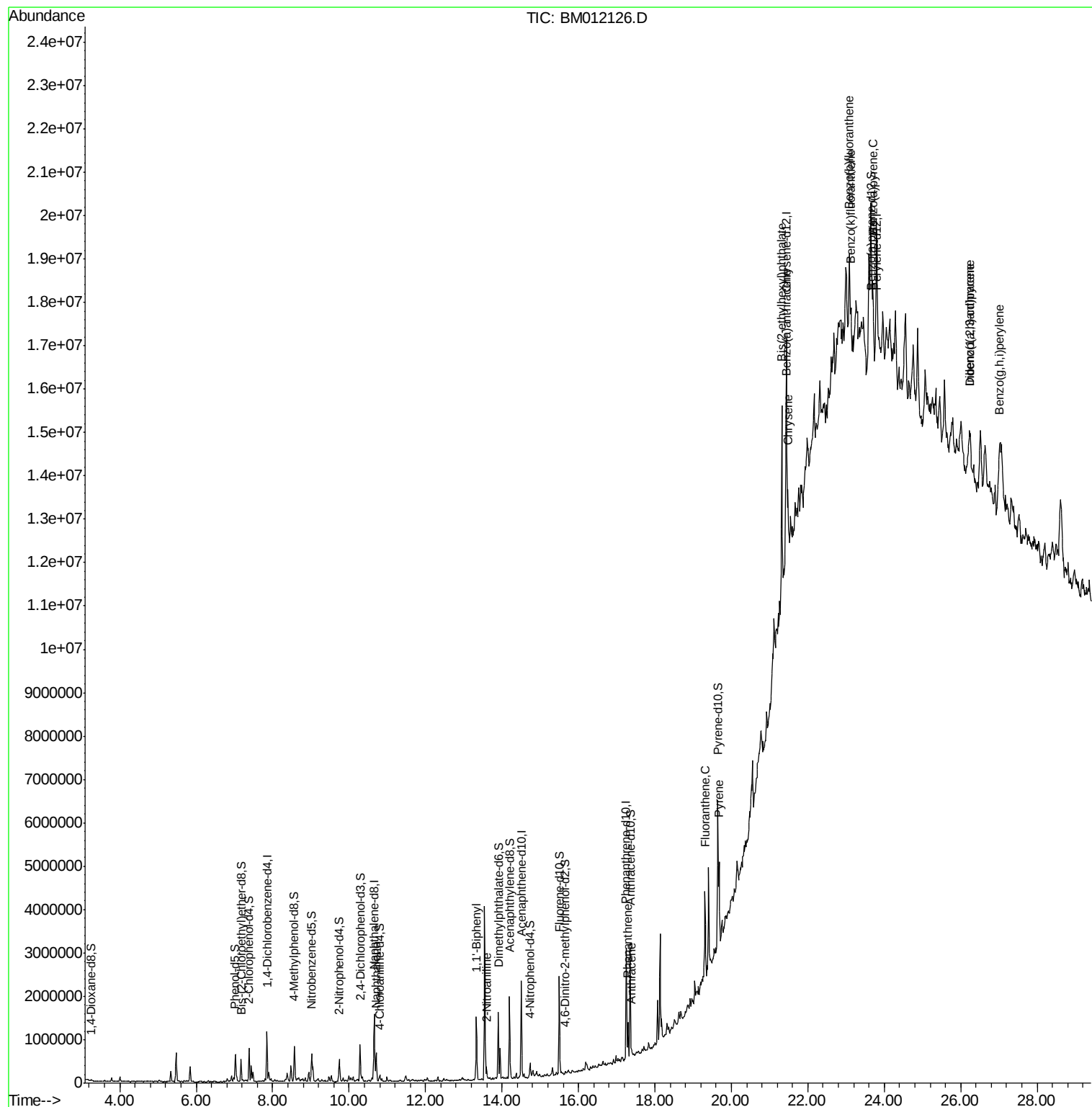
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
Data File : BM012126.D
Acq On : 13 Oct 2017 07:40
Operator : SJ/JU
Sample : I5568-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

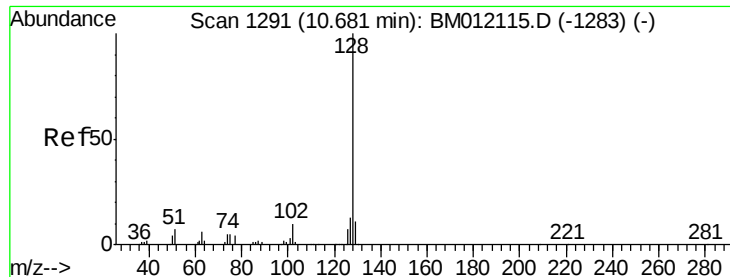
Instrument :
BNA_M
ClientSampled :
B-51(1-2)-092817

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Quant Time: Oct 24 05:24:13 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration





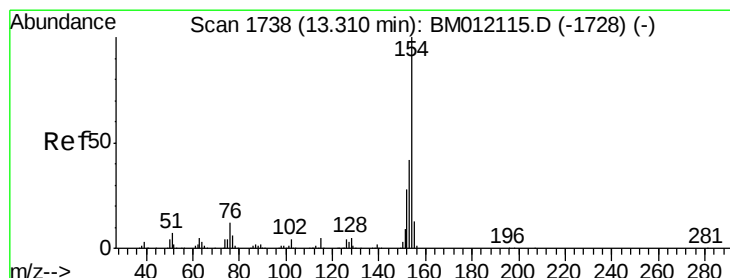
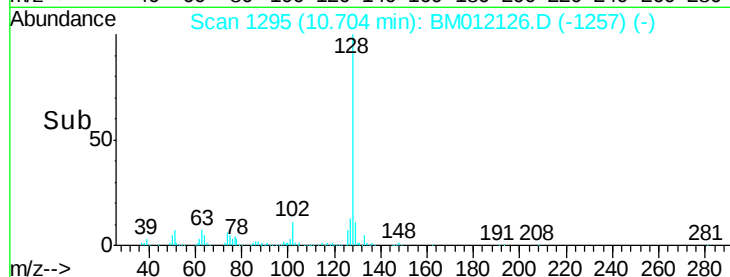
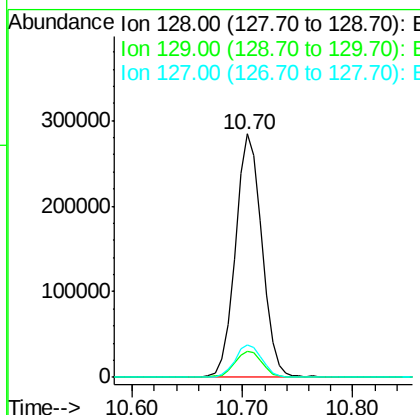
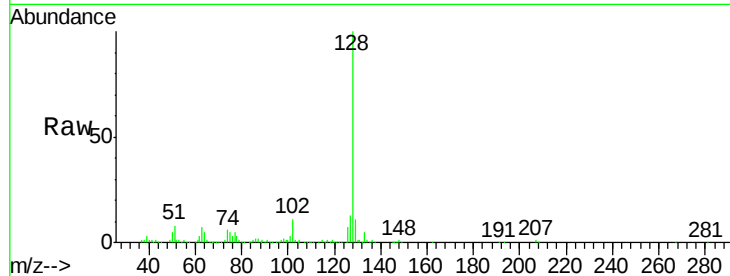
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Naphthalene
Concen: 7.47 ng/ul
RT: 10.70 min Scan# 1295
Delta R.T. 0.02 min
Lab File: BM012126.D
Acq: 13 Oct 2017 07:40

Instrument :
BNA_M
ClientSampleId :
B-51(1-2)-092817

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.4	10.6	16.0

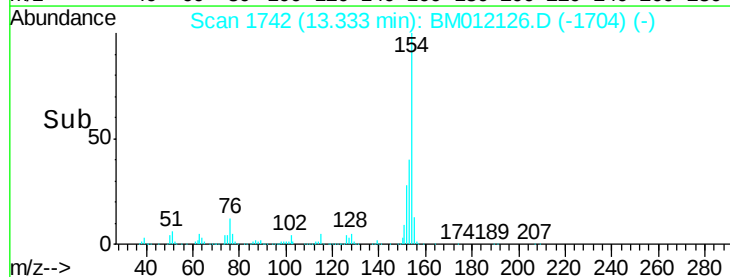
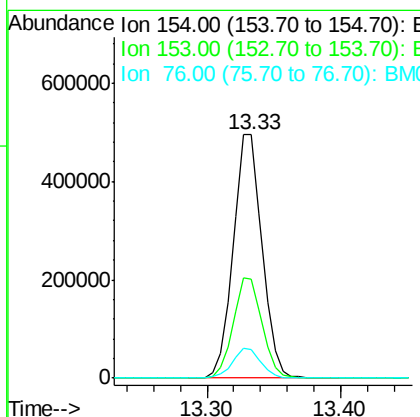
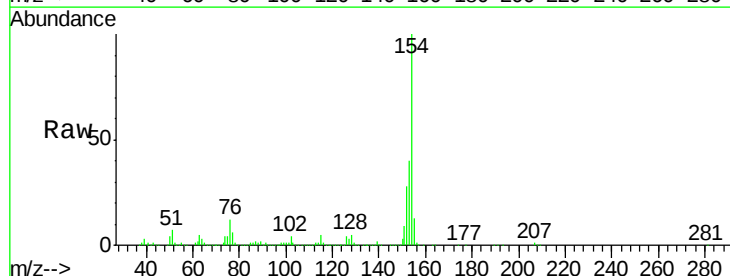
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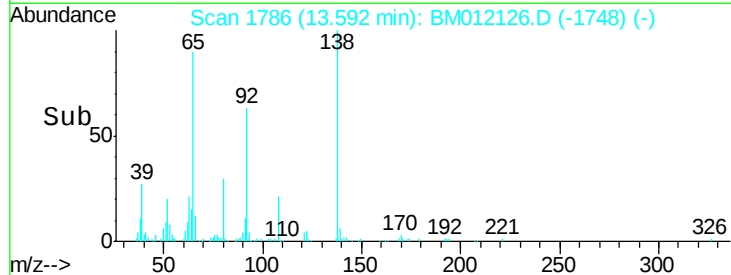
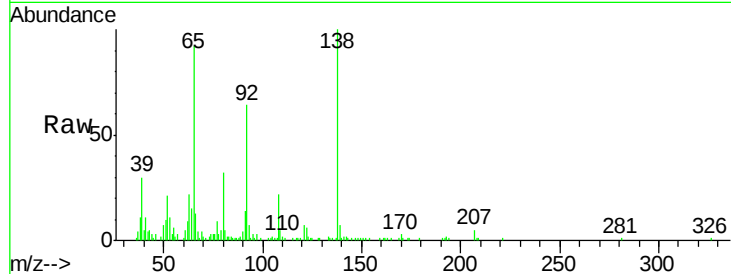
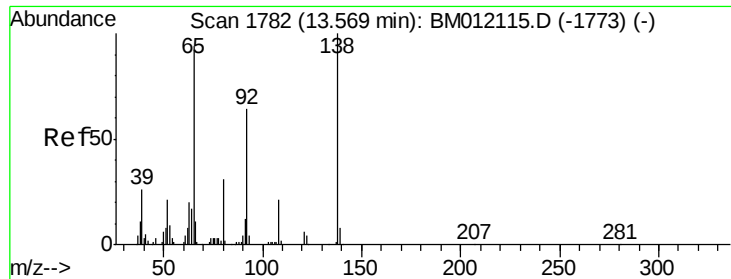
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#40
1,1'-Biphenyl
Concen: 12.68 ng/ul
RT: 13.33 min Scan# 1742
Delta R.T. 0.02 min
Lab File: BM012126.D
Acq: 13 Oct 2017 07:40

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.4	32.6	48.8
76	11.7	8.5	12.7





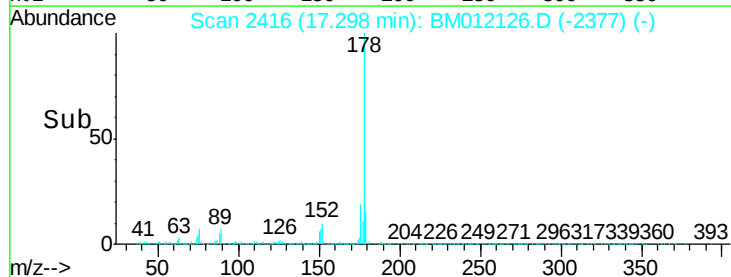
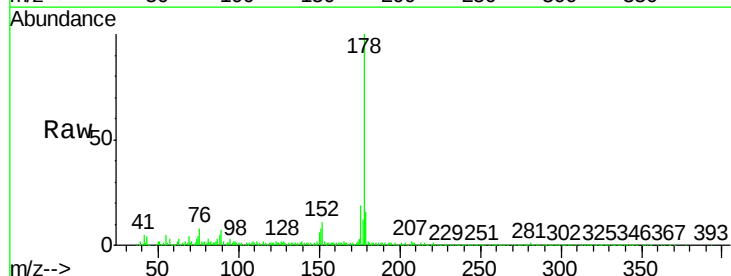
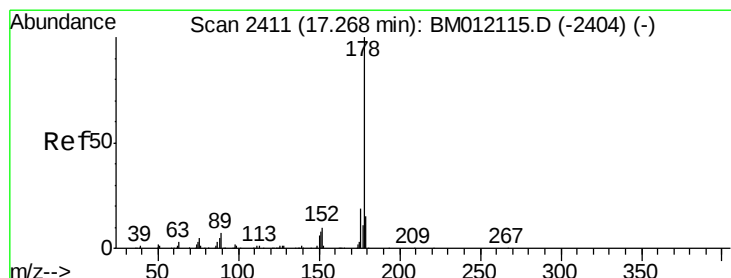
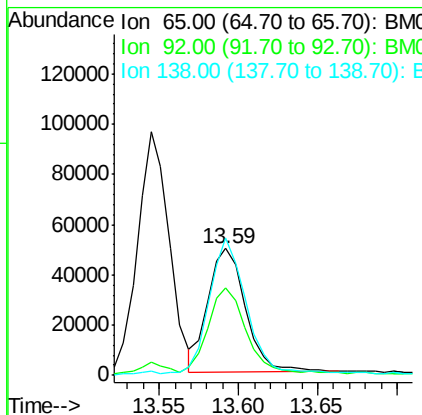
#42
2-Nitroaniline
Concen: 6.42 ng/ul
RT: 13.59 min Scan# 1786
Delta R.T. 0.02 min
Lab File: BM012126.D
Acq: 13 Oct 2017 07:40

Tot Ion	Ratio	Lower	Upper
65	100		
92	69.1	51.8	77.6
138	108.2	74.2	111.4

Instrument :
BNA_M
ClientSampleId :
B-51(1-2)-092817

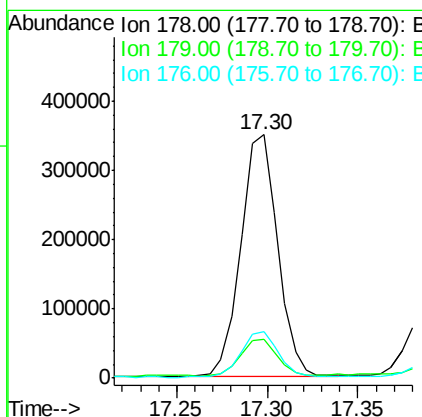
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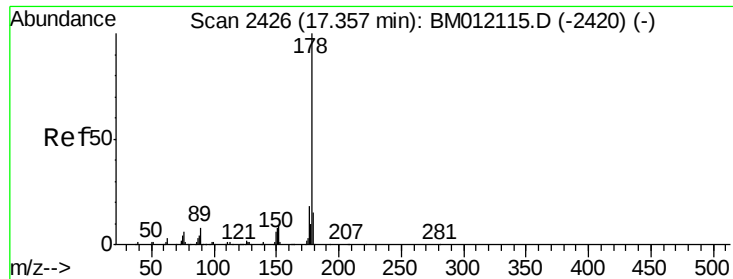
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#69
Phenanthrene
Concen: 5.78 ng/ul
RT: 17.30 min Scan# 2416
Delta R.T. 0.03 min
Lab File: BM012126.D
Acq: 13 Oct 2017 07:40

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.6	19.0
176	19.0	14.9	22.3





#71

Anthracene

Concen: 1.40 ng/ul

RT: 17.39 min Scan# 2431

Delta R.T. 0.03 min

Lab File: BM012126.D

Acq: 13 Oct 2017 07:40

Instrument :

BNA_M

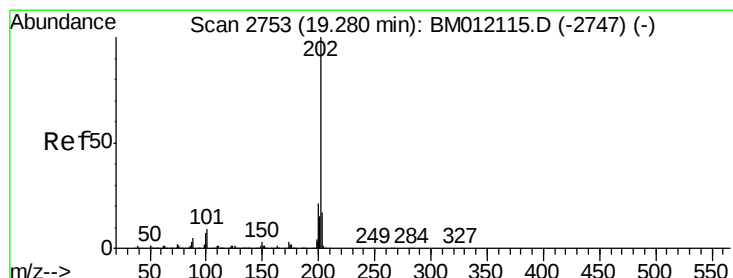
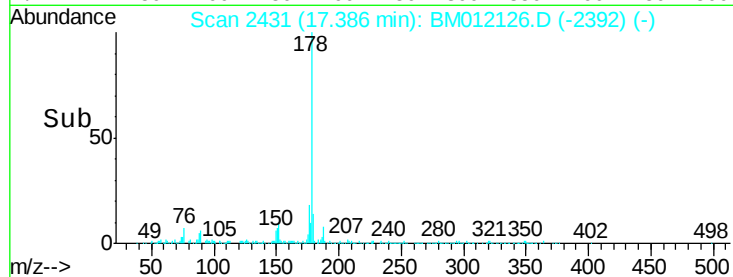
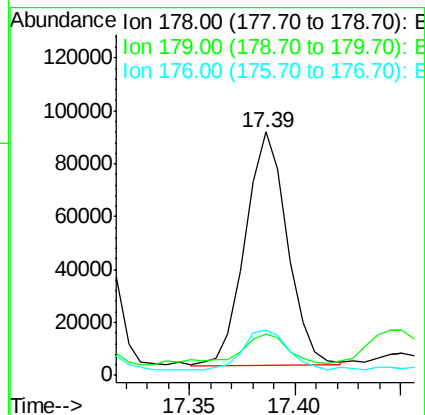
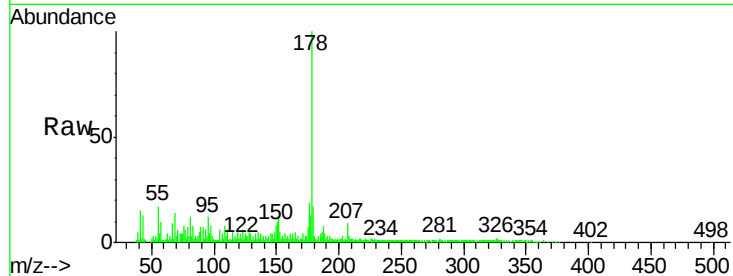
ClientSampleId :

B-51(1-2)-092817

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.0	11.7	17.5
176	18.8	14.6	21.8

Manual Integrations
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#74

Fluoranthene

Concen: 10.66 ng/ul

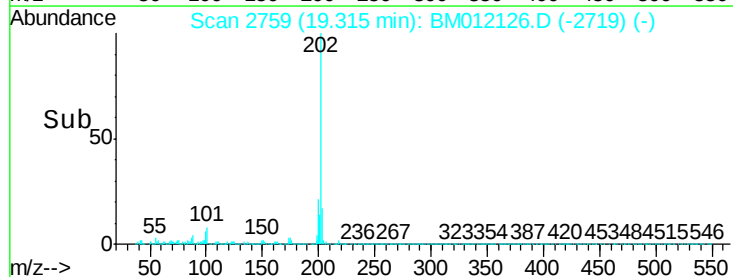
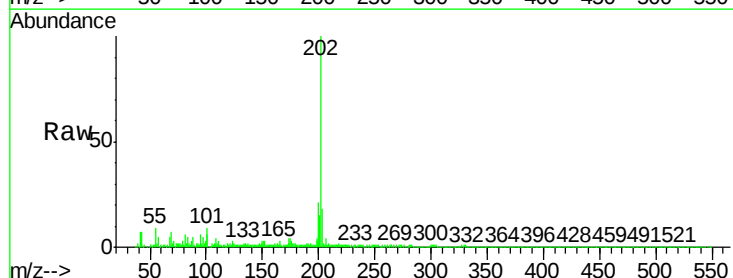
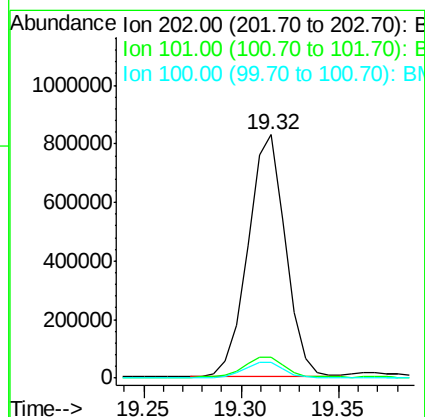
RT: 19.32 min Scan# 2759

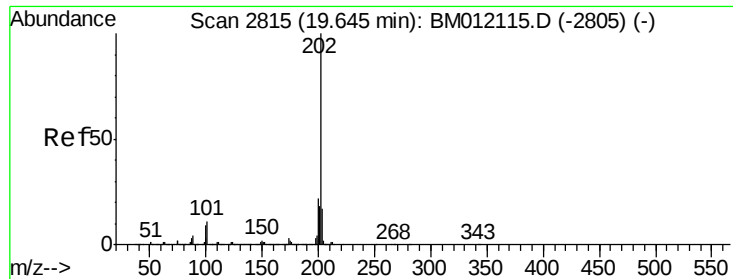
Delta R.T. 0.04 min

Lab File: BM012126.D

Acq: 13 Oct 2017 07:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	4.6	7.0#
100	6.5	3.4	5.2#





#77

Pvrene

Concen: 7.39 ng/ul

RT: 19.68 min Scan# 2821

Delta R.T. 0.04 min

Lab File: BM012126.D

Acq: 13 Oct 2017 07:40

Instrument :

BNA_M

ClientSampleId :

B-51(1-2)-092817

Tot Ion:202 Resp: 1003628

Ion Ratio Lower Upper

202 100

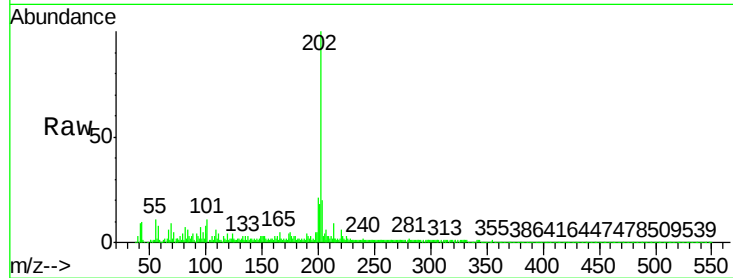
101 10.6 5.1 7.7#

100 8.4 4.9 7.3#

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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

19.68

800000

600000

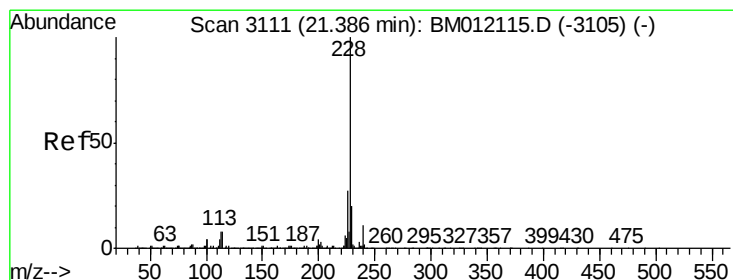
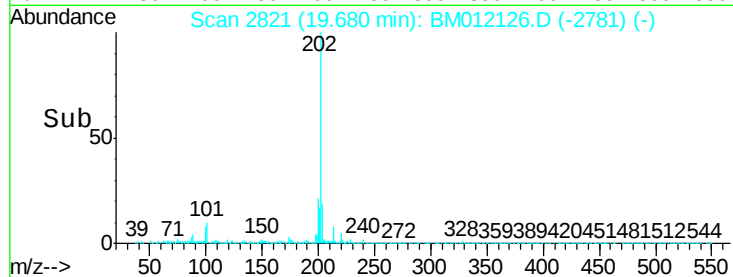
400000

200000

0

19.60 19.65 19.70 19.75

Time-->



#80

Benzo(a)anthracene

Concen: 5.80 ng/ul

RT: 21.42 min Scan# 3117

Delta R.T. 0.04 min

Lab File: BM012126.D

Acq: 13 Oct 2017 07:40

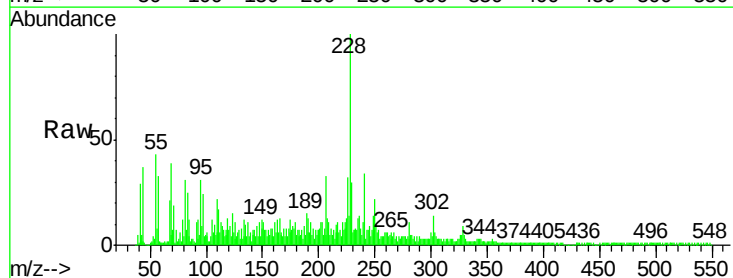
Tgt Ion:228 Resp: 776748

Ion Ratio Lower Upper

228 100

229 29.9 15.4 23.0#

226 31.8 21.4 32.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

21.42

800000

600000

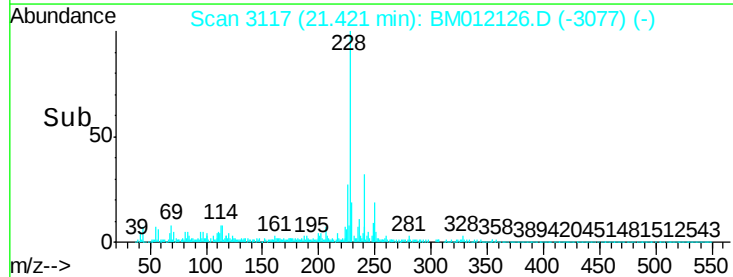
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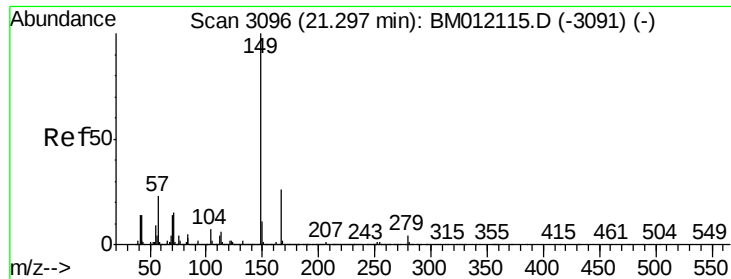
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0

21.40 21.45

Time-->





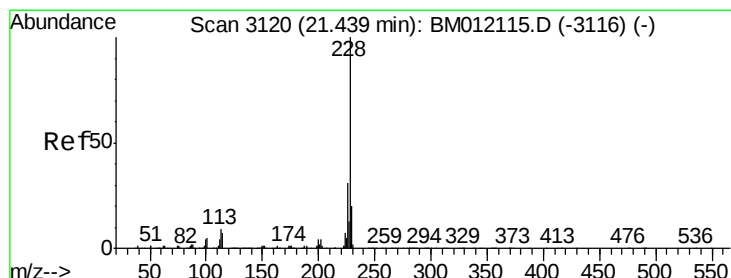
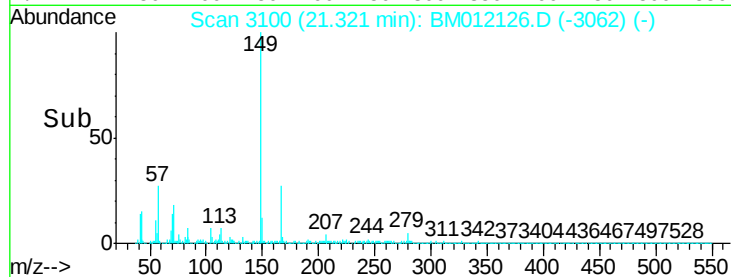
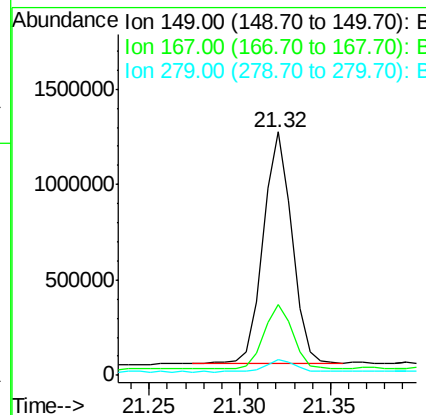
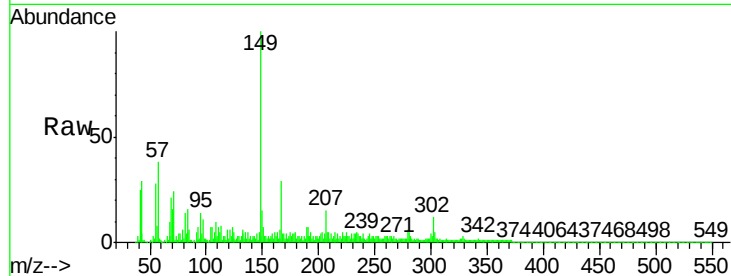
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 14.77 ng/ul
 RT: 21.32 min Scan# 3100
 Delta R.T. 0.02 min
 Lab File: BM012126.D
 Acq: 13 Oct 2017 07:40

Instrument :
 BNA_M
 ClientSampleId :
 B-51(1-2)-092817

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.8	34.2
279	6.4	4.9	7.3

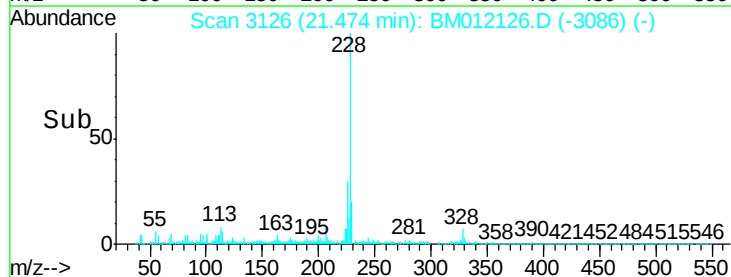
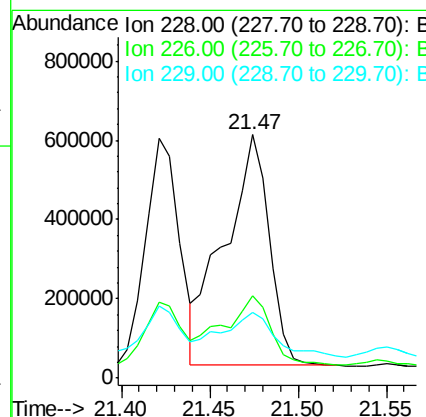
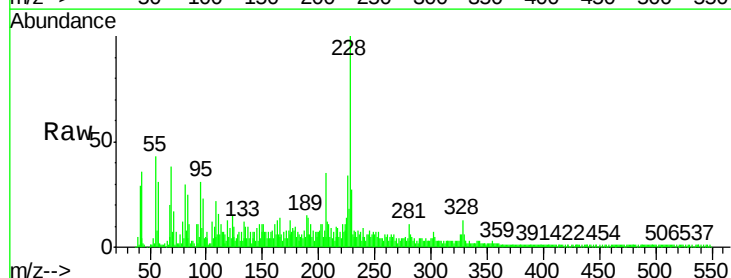
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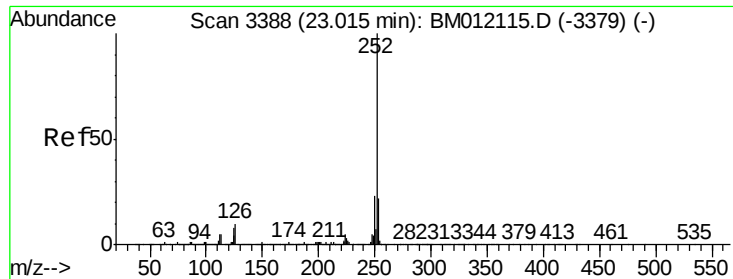
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#82
 Chrysene
 Concen: 8.15 ng/ul m
 RT: 21.47 min Scan# 3126
 Delta R.T. 0.04 min
 Lab File: BM012126.D
 Acq: 13 Oct 2017 07:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.9	23.4	35.2
229	27.1	15.5	23.3





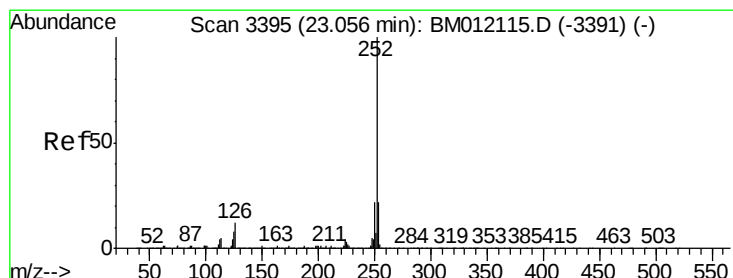
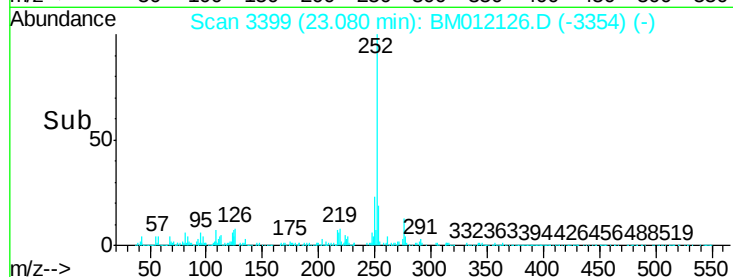
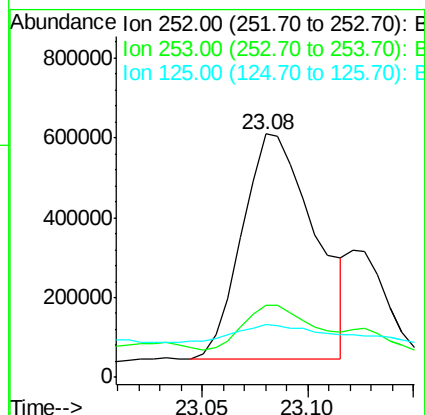
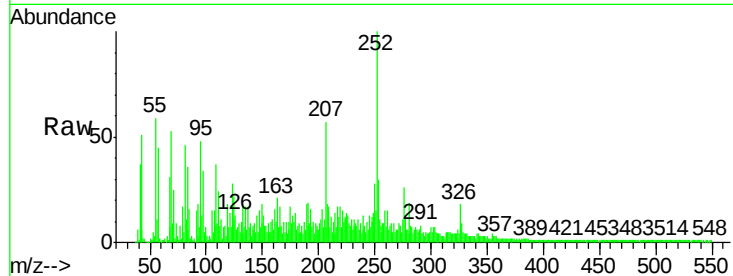
#85
Benzo(b)fluoranthene
Concen: 8.88 ng/ul
RT: 23.08 min Scan# 3399
Delta R.T. 0.06 min
Lab File: BM012126.D
Acq: 13 Oct 2017 07:40

Instrument :
BNA_M
ClientSampleId :
B-51(1-2)-092817

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.8	17.9	26.9#
125	22.0	3.6	5.4#

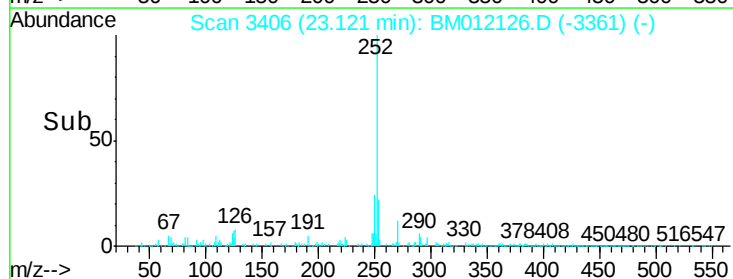
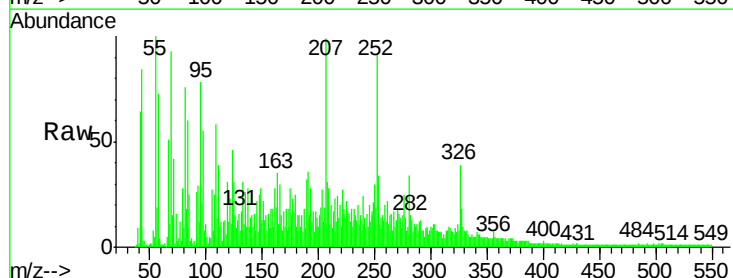
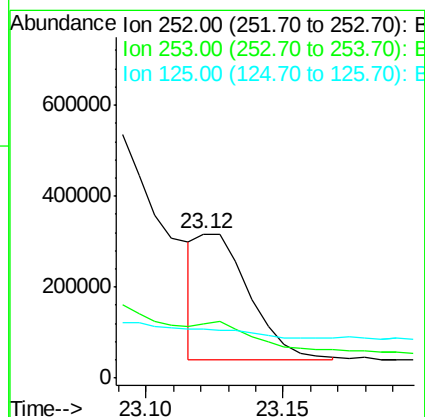
Manual Integrations
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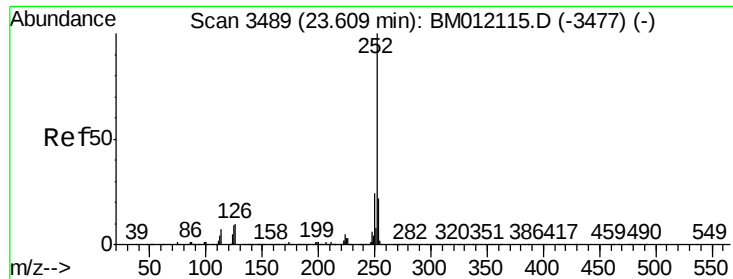
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6/22/2018 4:49:01 PM



#86
Benzo(k)fluoranthene
Concen: 2.48 ng/ul m
RT: 23.12 min Scan# 3406
Delta R.T. 0.06 min
Lab File: BM012126.D
Acq: 13 Oct 2017 07:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.3	17.1	25.7#
125	34.1	3.4	5.2#





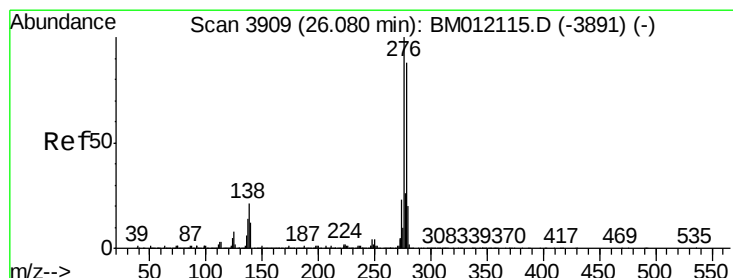
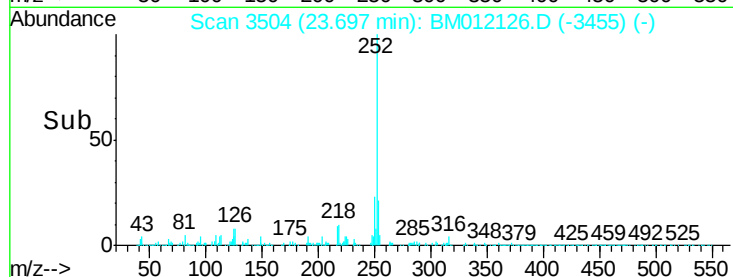
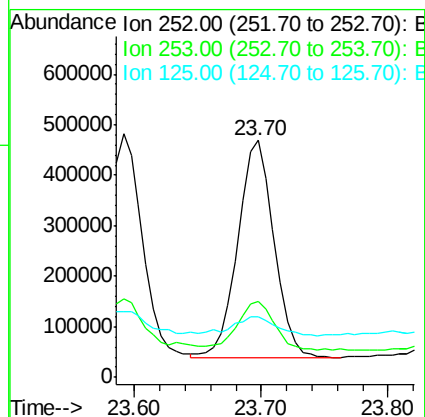
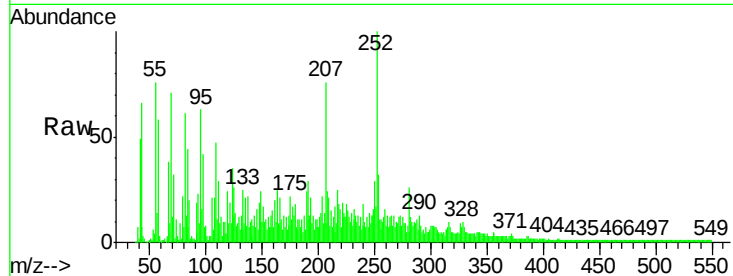
#88
Benzo(a)pyrene
Concen: 5.93 ng/ul
RT: 23.70 min Scan# 3504
Delta R.T. 0.09 min
Lab File: BM012126.D
Acq: 13 Oct 2017 07:40

Instrument :
BNA_M
ClientSampleId :
B-51(1-2)-092817

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.2	18.2	27.2#
125	25.7	4.0	6.0#

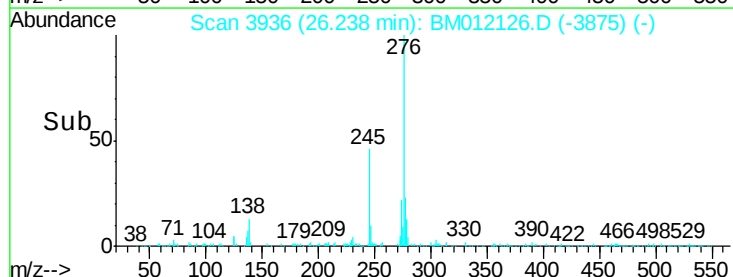
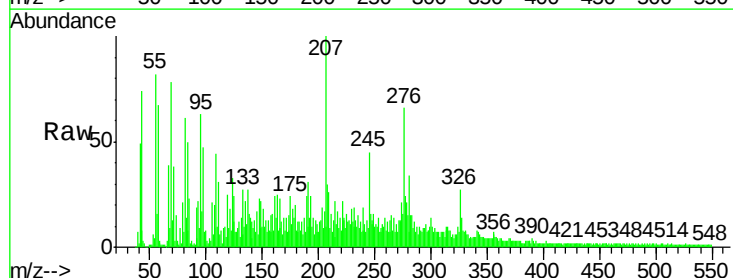
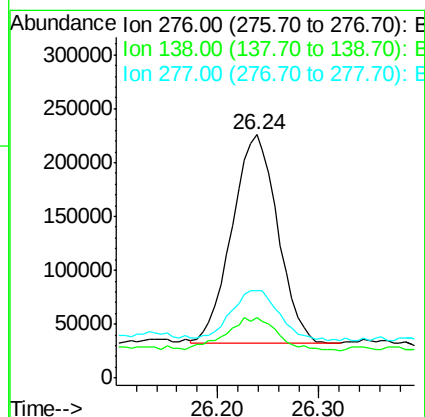
Manual Integrations
APPROVED

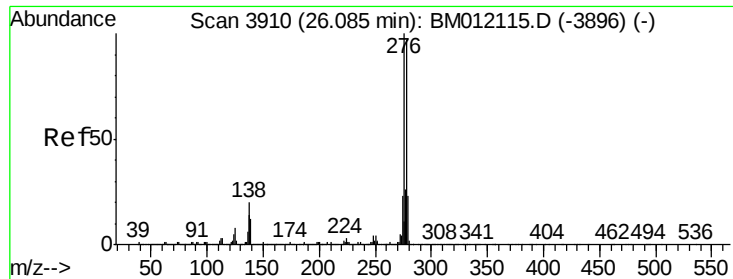
Sohil
6/22/2018 4:49:01 PM



#89
Indeno(1,2,3-cd)pyrene
Concen: 4.01 ng/ul
RT: 26.24 min Scan# 3936
Delta R.T. 0.16 min
Lab File: BM012126.D
Acq: 13 Oct 2017 07:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	9.3	13.9#
277	35.9	19.9	29.9#





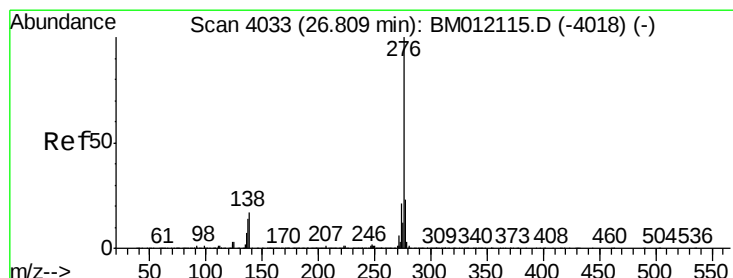
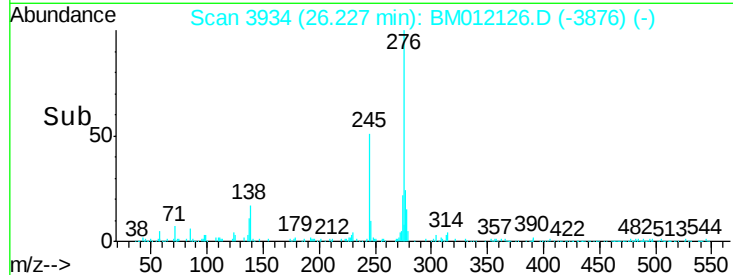
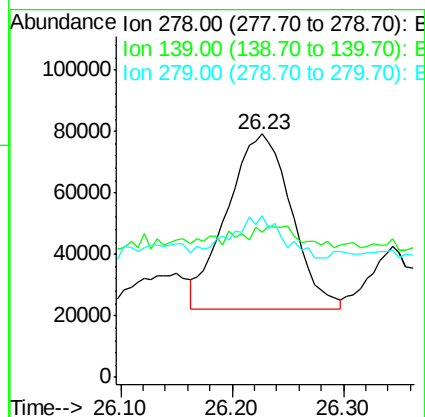
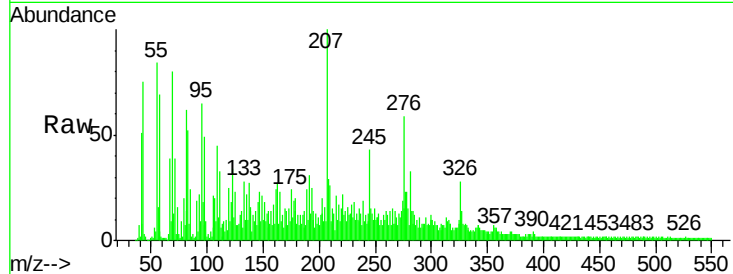
#90
Dibenzo(a,h)anthracene
Concen: 1.79 ng/ul m
RT: 26.23 min Scan# 3934
Delta R.T. 0.14 min
Lab File: BM012126.D
Acq: 13 Oct 2017 07:40

Instrument :
BNA_M
ClientSampleId :
B-51(1-2)-092817

Tot Ion	Ratio	Lower	Upper
278	100		
139	59.6	5.8	8.8#
279	66.3	18.6	27.8#

Manual Integrations
APPROVED

Sohil
6/22/2018 4:49:01 PM



#91
Benzo(g,h,i)perylene
Concen: 5.01 ng/ul
RT: 27.00 min Scan# 4065
Delta R.T. 0.19 min
Lab File: BM012126.D
Acq: 13 Oct 2017 07:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.0	8.5	12.7#
277	38.6	18.6	28.0#

