

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102117\
 Data File : BM012401.D
 Acq On : 22 Oct 2017 17:46
 Operator : SJ/JU
 Sample : I5771-19
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B0CY3

Manual Integrations
 APPROVED

Sohil
 10/24/2017 10:20:07 AM

Quant Time: Oct 23 18:35:58 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 23 18:04:39 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	268828	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	1150193	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	684556	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1478743	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	1163885	20.00	ng/ul	0.00
83) Perylene-d12	23.66	264	1186613	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.19	96	19323	3.42	ng/uL	0.00
5) Phenol-d5	6.94	99	489720	22.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	305928	23.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	443494	23.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.48	113	422052	22.47	ng/ul	0.00
19) Nitrobenzene-d5	8.94	128	214582	24.45	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	242461	23.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	449808	22.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	336363	18.35	ng/ul	0.00
43) Dimethylphthalate-d6	13.83	166	1543551	25.51	ng/ul	0.00
46) Acenaphthylene-d8	14.11	160	1864965	25.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	100980	11.10	ng/ul	0.02
57) Fluorene-d10	15.42	176	1299351	26.17	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.59	200	31628	3.12	ng/ul	0.02
70) Anthracene-d10	17.27	188	1915194	26.19	ng/ul	0.00
76) Pyrene-d10	19.57	212	1753215	29.67	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	1414216	24.72	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.97	94	100235	4.445 ng/ul	90
44) Dimethylphthalate	13.88	163	68183	1.125 ng/ul	97
47) Acenaphthylene	14.14	152	88842	1.235 ng/ul	96
69) Phenanthrene	17.21	178	217246	2.583 ng/ul	98
74) Fluoranthene	19.24	202	336237	3.312 ng/ul	98
77) Pyrene	19.60	202	558881	7.271 ng/ul	97
78) Butylbenzylphthalate	20.48	149	60767	1.776 ng/ul	93
80) Benzo(a)anthracene	21.34	228	255647m	3.376 ng/ul	
81) Bis(2-ethylhexyl)phthalate	21.25	149	128532	2.503 ng/ul	99
82) Chrysene	21.39	228	292390	4.112 ng/ul	95
85) Benzo(b)fluoranthene	22.97	252	262565m	3.391 ng/ul	
88) Benzo(a)pyrene	23.56	252	234972	3.219 ng/ul#	89
89) Indeno(1,2,3-cd)pyrene	26.01	276	154165	1.989 ng/ul	94
91) Benzo(g,h,i)perylene	26.74	276	180540	2.844 ng/ul#	90

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

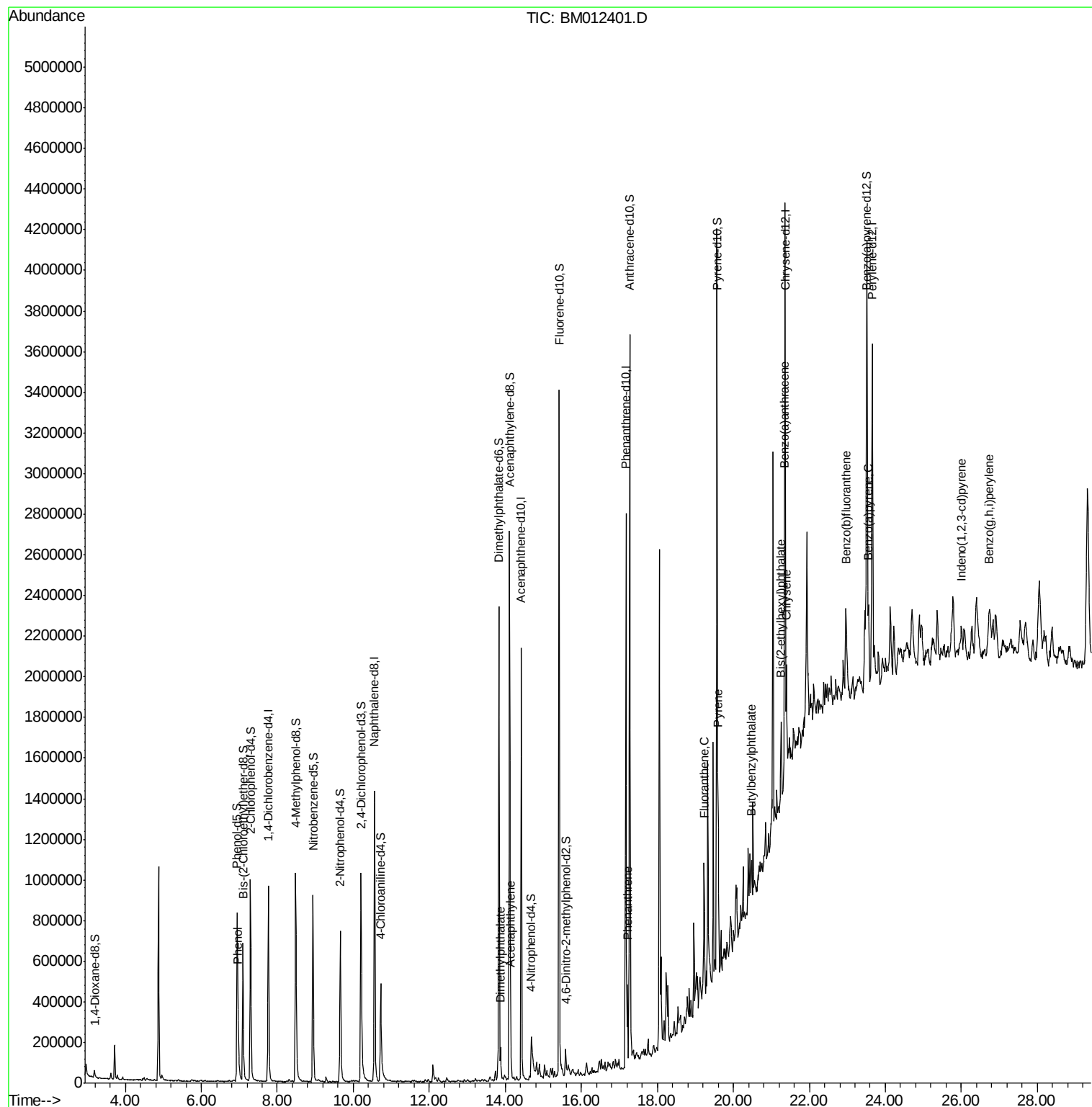
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102117\
Data File : BM012401.D
Acq On : 22 Oct 2017 17:46
Operator : SJ/JU
Sample : I5771-19
Misc :
ALS Vial : 53 Sample Multiplier: 1

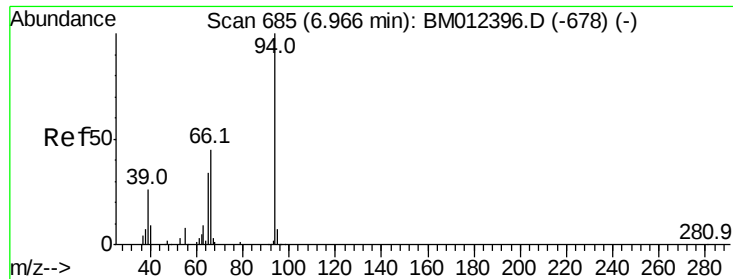
Instrument :
BNA_M
ClientSampled :
B0CY3

Manual Integrations
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10/24/2017 10:20:07 AM

Quant Time: Oct 23 18:35:58 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 23 18:04:39 2017
Response via : Initial Calibration





#6

Phenol

Concen: 4.445 ng/ul

RT: 6.97 min Scan# 686

Delta R.T. 0.01 min

Lab File: BM012401.D

Acq: 22 Oct 2017 17:46

Instrument :

BNA_M

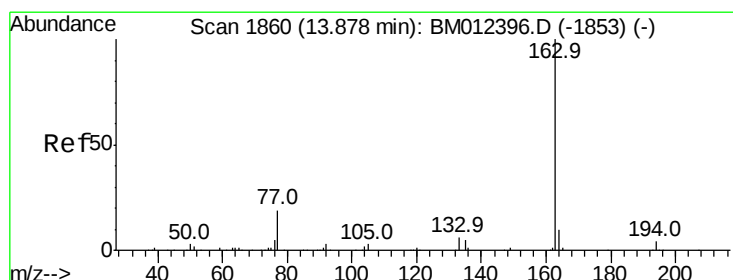
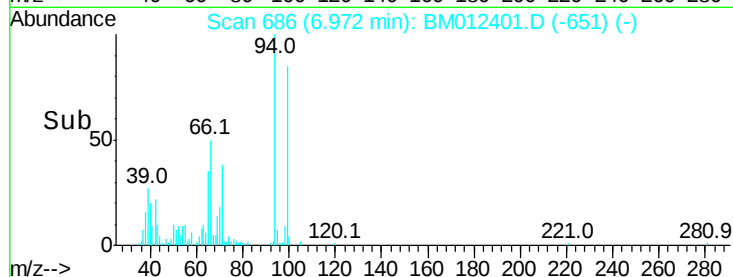
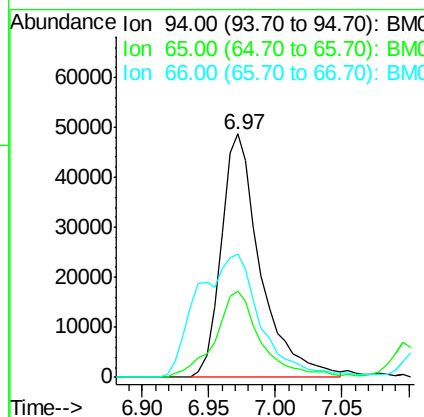
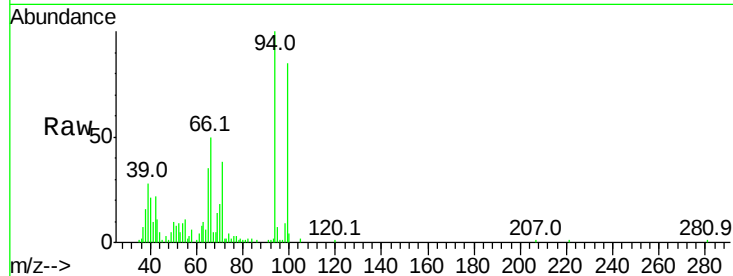
ClientSampleId :

B0CY3

Tot Ion:	94	Resp:	100235
Ion Ratio	Lower	Upper	
94	100		
65	35.3	24.4	36.6
66	50.4	35.0	52.4

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#44

Dimethylphthalate

Concen: 1.125 ng/ul

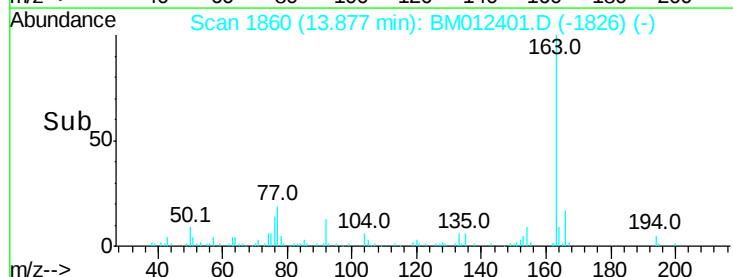
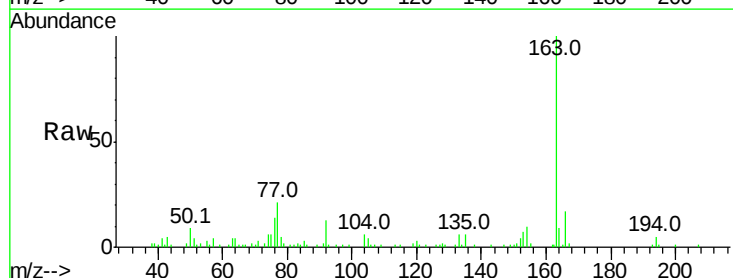
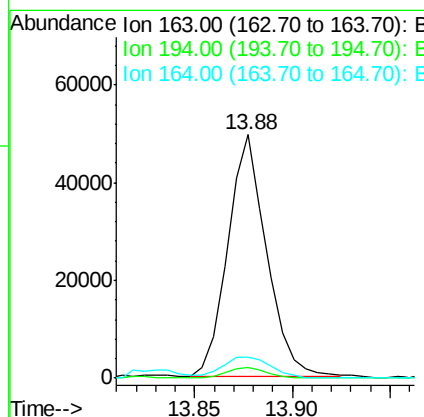
RT: 13.88 min Scan# 1860

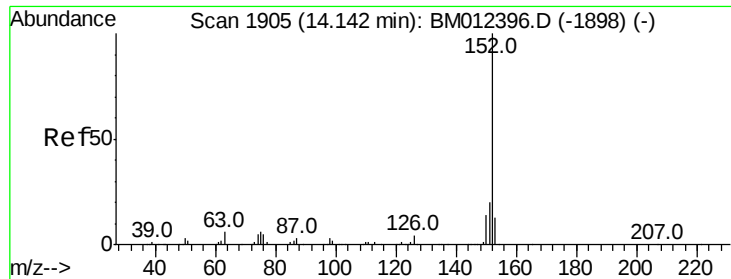
Delta R.T. -0.00 min

Lab File: BM012401.D

Acq: 22 Oct 2017 17:46

Tgt Ion:	163	Resp:	68183
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.7	5.5
164	8.7	8.1	12.1





#47

Acenaphthylene

Concen: 1.235 ng/ul

RT: 14.14 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BM012401.D

Acq: 22 Oct 2017 17:46

Instrument :

BNA_M

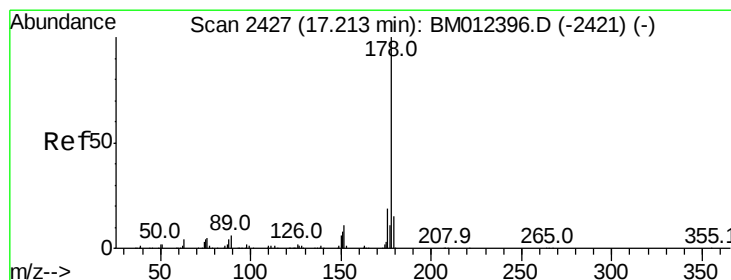
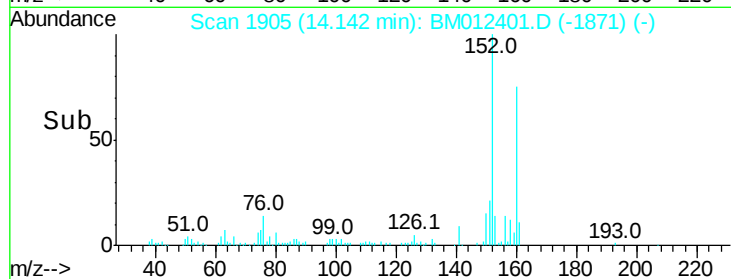
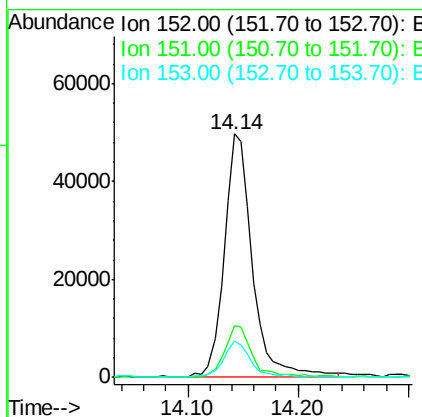
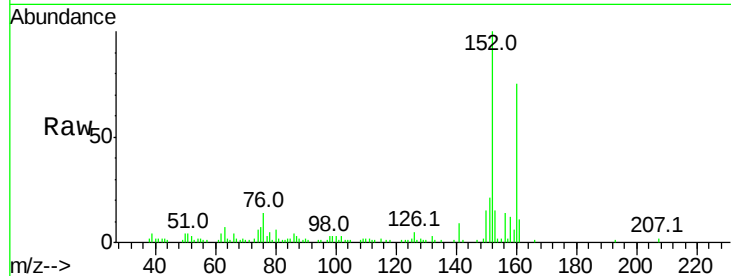
ClientSampleId :

B0CY3

Tot Ion:	152	Resp:	88842
Ion Ratio	Lower	Upper	
152	100		
151	21.0	15.3	22.9
153	14.8	10.4	15.6

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#69

Phenanthrene

Concen: 2.583 ng/ul

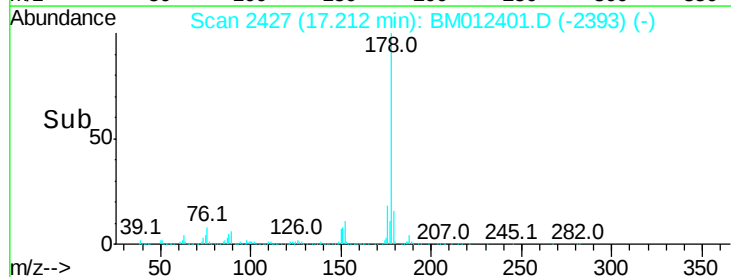
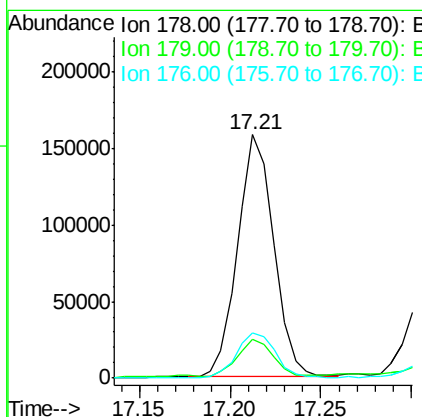
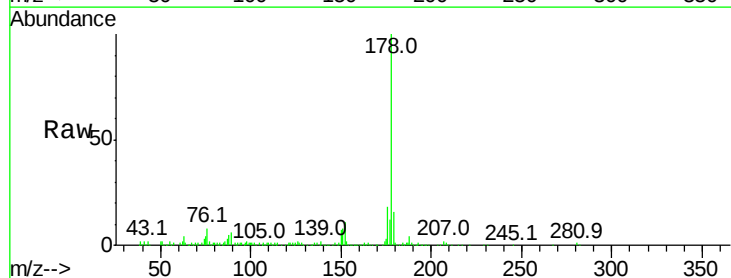
RT: 17.21 min Scan# 2427

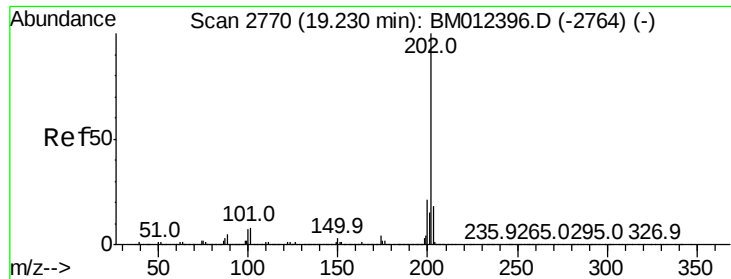
Delta R.T. -0.00 min

Lab File: BM012401.D

Acq: 22 Oct 2017 17:46

Tgt Ion:	178	Resp:	217246
Ion Ratio	Lower	Upper	
178	100		
179	16.1	12.0	18.0
176	18.3	15.0	22.6





#74

Fluoranthene

Concen: 3.312 ng/ul

RT: 19.24 min Scan# 2771

Delta R.T. 0.01 min

Lab File: BM012401.D

Acq: 22 Oct 2017 17:46

Instrument :

BNA_M

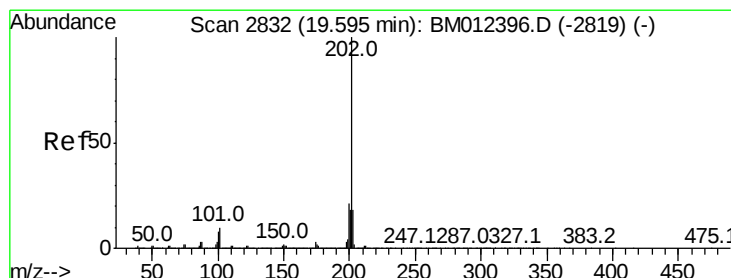
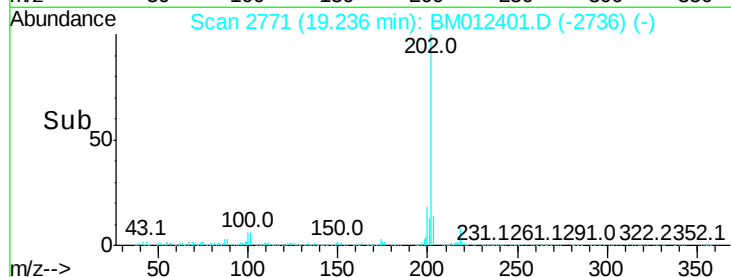
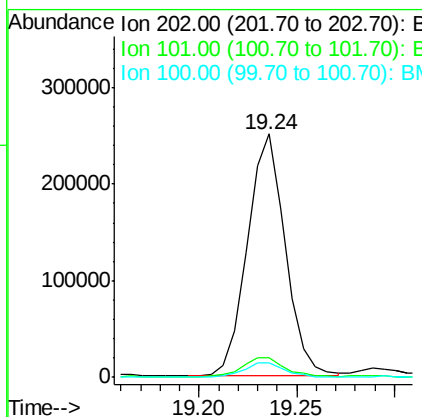
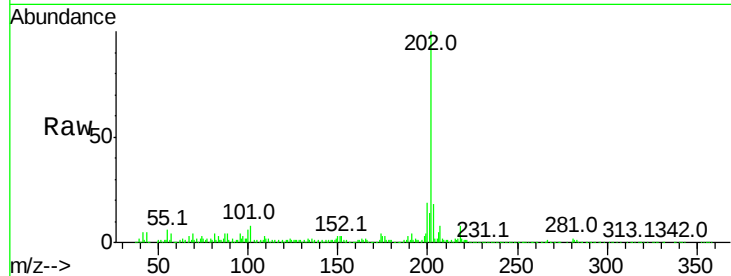
ClientSampleId :

B0CY3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		336237		
101	7.9	5.8	8.6		
100	6.1	4.3	6.5		

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#77

Pyrene

Concen: 7.271 ng/ul

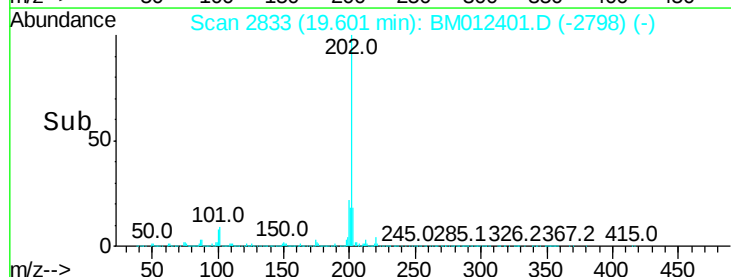
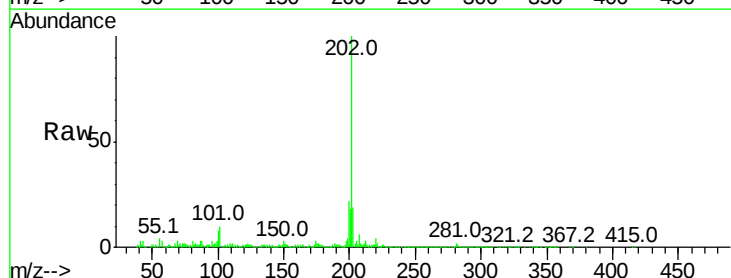
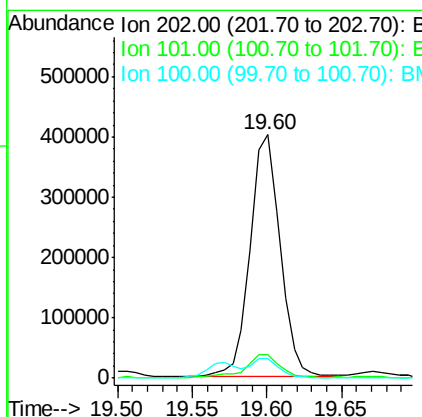
RT: 19.60 min Scan# 2833

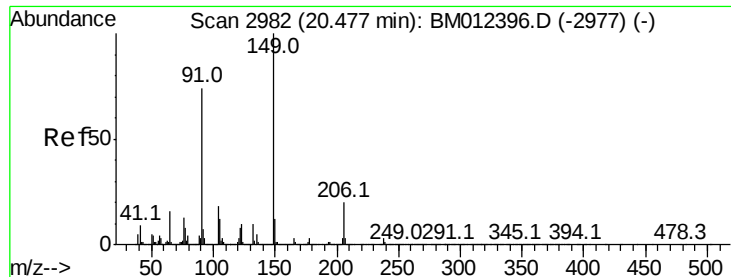
Delta R.T. 0.01 min

Lab File: BM012401.D

Acq: 22 Oct 2017 17:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		558881		
101	9.5	6.5	9.7		
100	8.0	5.6	8.4		





#78

Butylbenzylphthalate

Concen: 1.776 ng/ul

RT: 20.48 min Scan# 2983

Delta R.T. 0.01 min

Lab File: BM012401.D

Acq: 22 Oct 2017 17:46

Instrument :

BNA_M

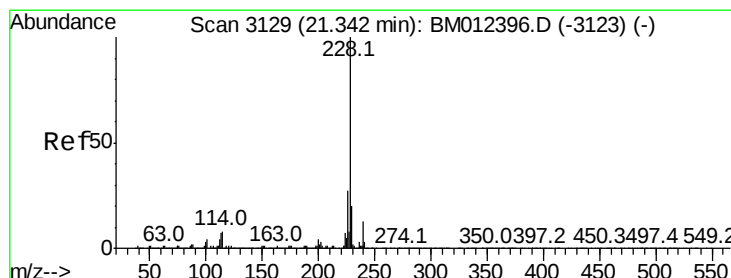
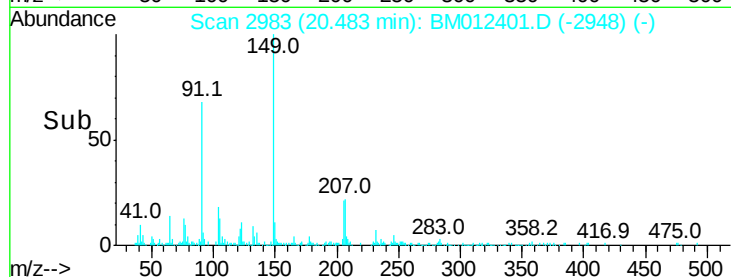
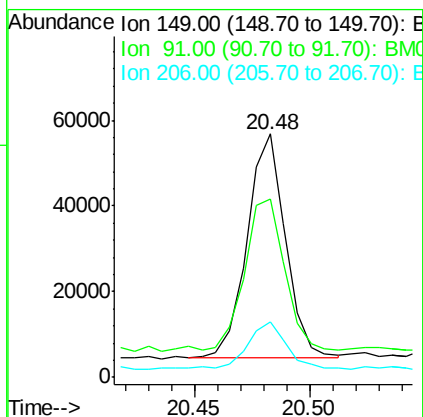
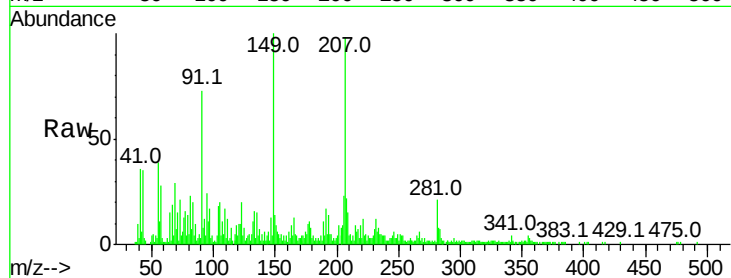
ClientSampleId :

B0CY3

Tot Ion:	149	Resp:	60767
Ion Ratio	Lower	Upper	
149	100		
91	73.1	52.8	79.2
206	22.6	19.1	28.7

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#80

Benzo(a)anthracene

Concen: 3.376 ng/ul m

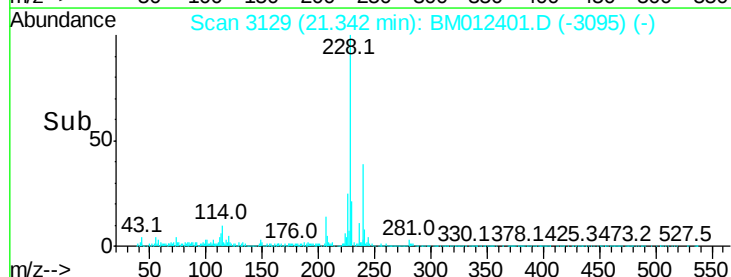
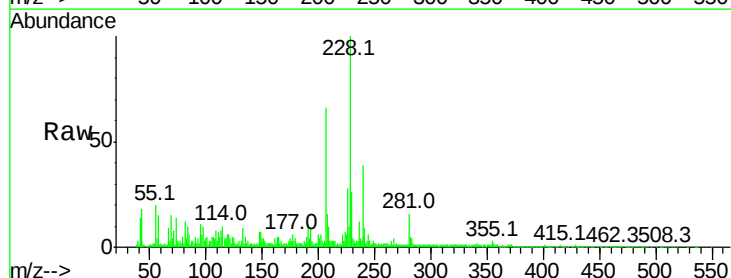
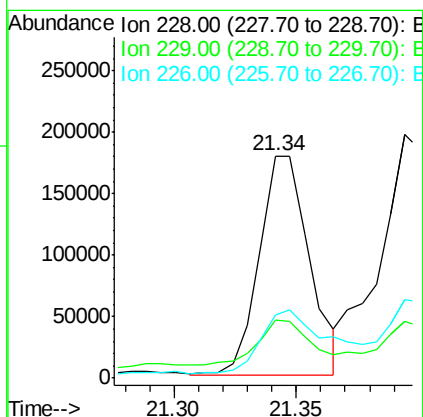
RT: 21.34 min Scan# 3129

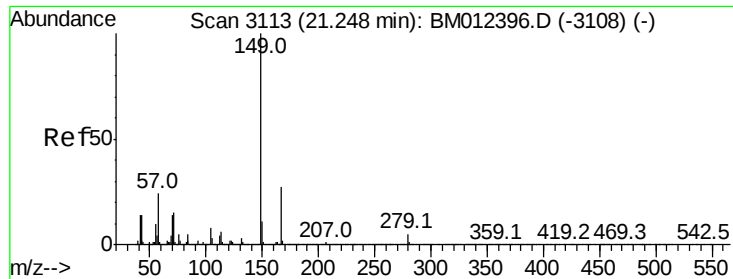
Delta R.T. -0.00 min

Lab File: BM012401.D

Acq: 22 Oct 2017 17:46

Tgt Ion:	228	Resp:	255647
Ion Ratio	Lower	Upper	
228	100		
229	25.9	15.8	23.8#
226	28.2	21.4	32.2





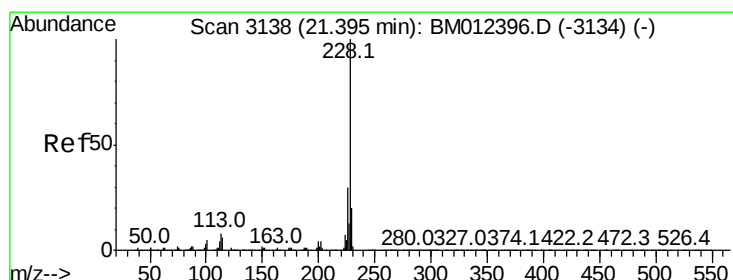
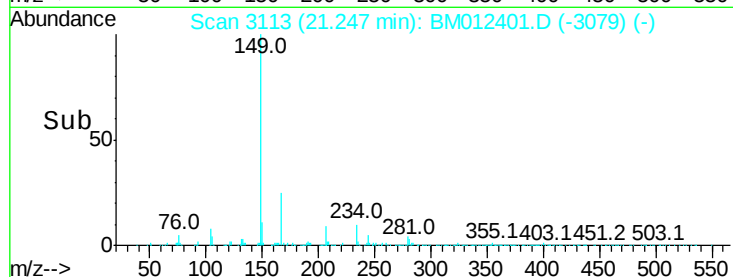
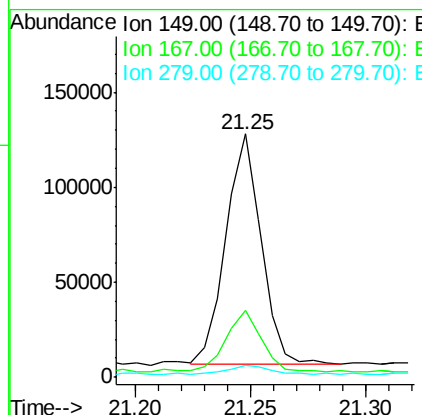
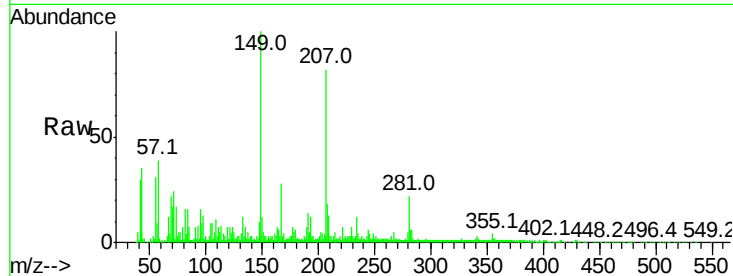
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 2.503 ng/ul
 RT: 21.25 min Scan# 3113
 Delta R.T. -0.00 min
 Lab File: BM012401.D
 Acq: 22 Oct 2017 17:46

Instrument :
 BNA_M
 ClientSampleId :
 B0CY3

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	27.6	22.5	33.7
279	5.0	4.4	6.6

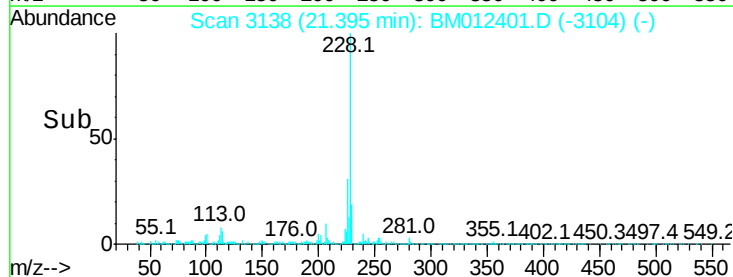
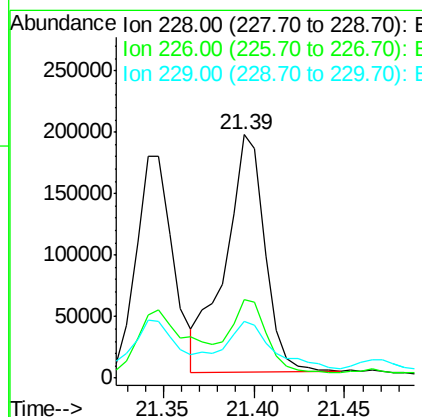
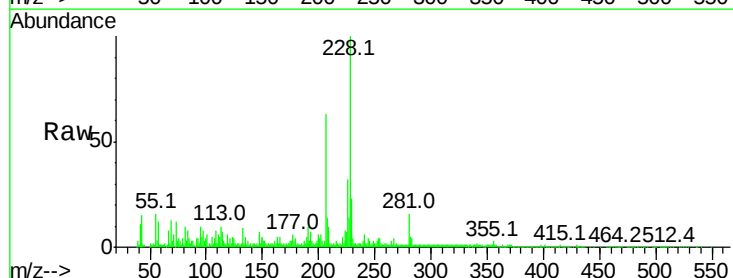
Manual Integrations
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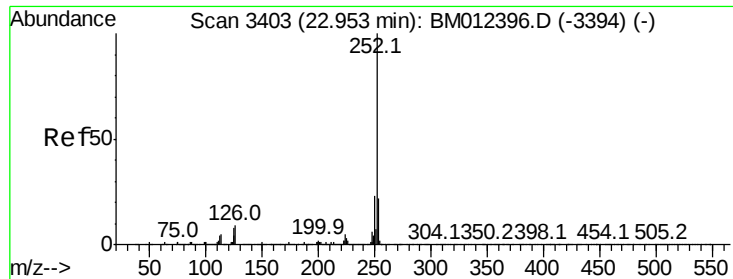
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#82
 Chrysene
 Concen: 4.112 ng/ul
 RT: 21.39 min Scan# 3138
 Delta R.T. -0.00 min
 Lab File: BM012401.D
 Acq: 22 Oct 2017 17:46

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	32.0	24.0	36.0
229	23.1	15.5	23.3





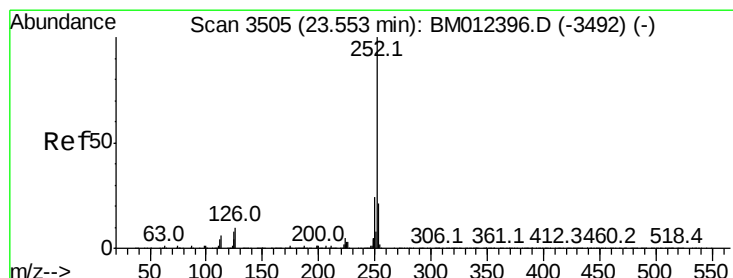
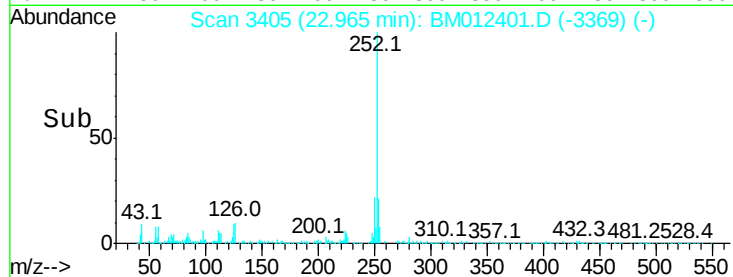
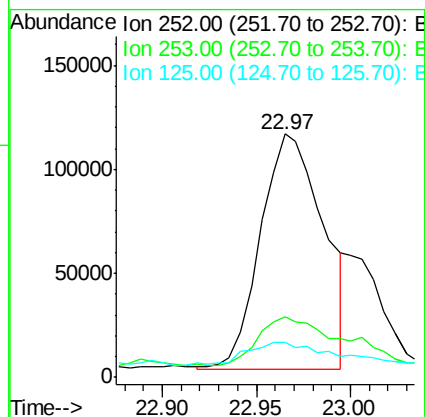
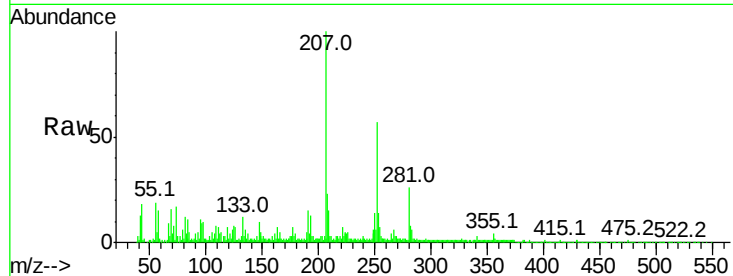
#85
Benzo(b)fluoranthene
Concen: 3.391 ng/ul m
RT: 22.97 min Scan# 3405
Delta R.T. 0.01 min
Lab File: BM012401.D
Acq: 22 Oct 2017 17:46

Instrument :
BNA_M
ClientSampleId :
B0CY3

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.9	17.4	26.2
125	14.5	5.1	7.7#

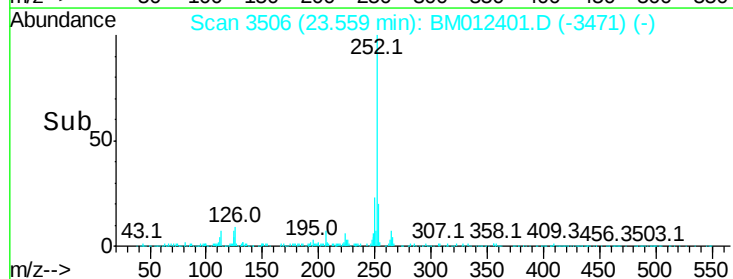
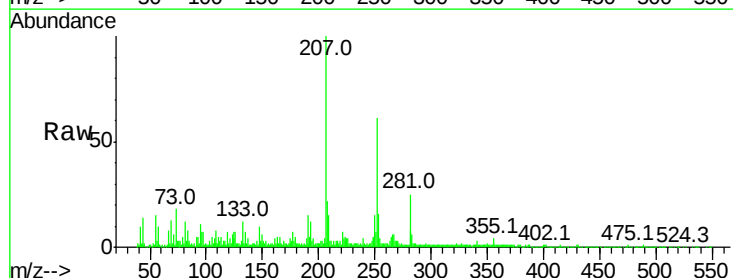
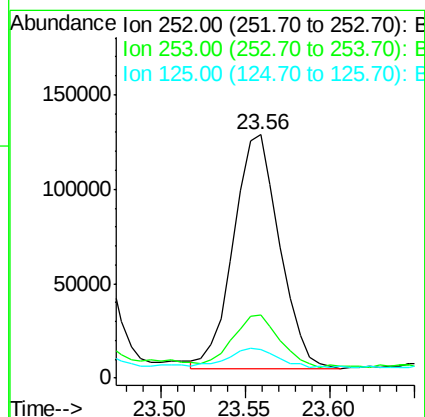
Manual Integrations
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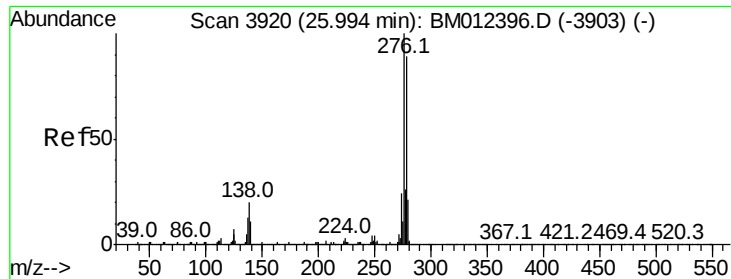
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#88
Benzo(a)pyrene
Concen: 3.219 ng/ul
RT: 23.56 min Scan# 3506
Delta R.T. 0.01 min
Lab File: BM012401.D
Acq: 22 Oct 2017 17:46

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.7	17.1	25.7#
125	11.8	5.2	7.8#





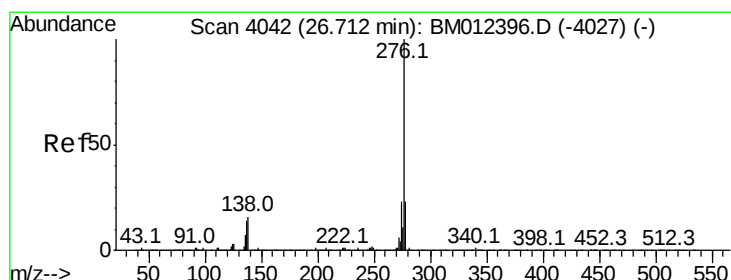
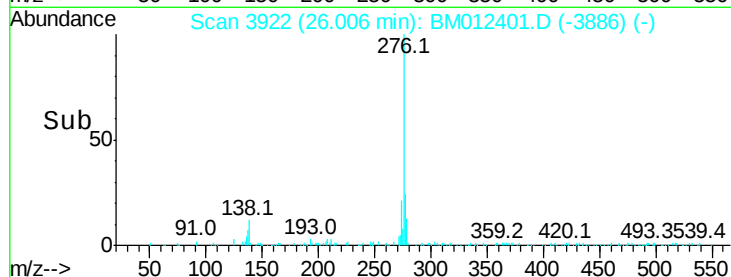
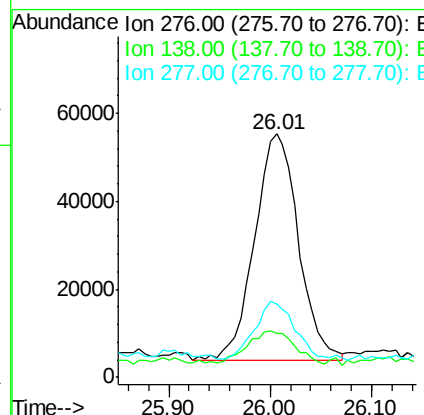
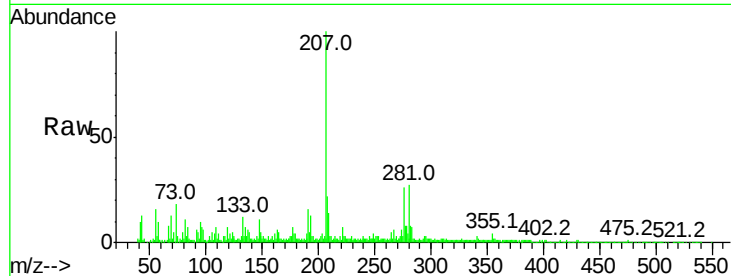
#89
 Indeno(1,2,3-cd)pyrene
 Concen: 1.989 ng/ul
 RT: 26.01 min Scan# 3922
 Delta R.T. 0.01 min
 Lab File: BM012401.D
 Acq: 22 Oct 2017 17:46

Instrument :
 BNA_M
 ClientSampleId :
 B0CY3

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.1	13.2	19.8
277	29.9	20.6	31.0

Manual Integrations
 APPROVED

Sohil
 10/24/2017 10:20:07 AM



#91
 Benzo(g,h,i)perylene
 Concen: 2.844 ng/ul
 RT: 26.74 min Scan# 4046
 Delta R.T. 0.02 min
 Lab File: BM012401.D
 Acq: 22 Oct 2017 17:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.5	10.7	16.1#
277	27.2	19.0	28.4

