

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
 Data File : BM012128.D
 Acq On : 13 Oct 2017 08:51
 Operator : SJ/JU
 Sample : I5568-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-29(0-1)-092917

Manual Integrations
 APPROVED

Sohil
 6/22/2018 4:49:03 PM

Quant Time: Oct 24 05:24:42 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	296115	20.00	ng/ul	0.02
18) Naphthalene-d8	10.66	136	1143895	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.51	164	573334	20.00	ng/ul	0.03
61) Phenanthrene-d10	17.26	188	1064346	20.00	ng/ul	0.03
75) Chrysene-d12	21.45	240	1501423	20.00	ng/ul	0.05
83) Perylene-d12	23.80	264	1557753m	20.00	ng/ul	0.08

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	18496	2.97	ng/uL	0.01
5) Phenol-d5	7.03	99	410235	17.07	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	7.17	67	255120	17.71	ng/ul	0.02
9) 2-Chlorophenol-d4	7.39	132	368355	18.08	ng/ul	0.03
13) 4-Methylphenol-d8	8.57	113	355576	17.19	ng/ul	0.03
19) Nitrobenzene-d5	9.02	128	176111	20.17	ng/ul	0.02
22) 2-Nitrophenol-d4	9.75	143	157898	15.48	ng/ul	0.03
26) 2,4-Dichlorophenol-d3	10.29	165	364009	18.69	ng/ul	0.04
29) 4-Chloroaniline-d4	10.80	131	252757	13.87	ng/ul	0.02
43) Dimethylphthalate-d6	13.91	166	1074733	21.21	ng/ul	0.02
46) Acenaphthylene-d8	14.20	160	1268012	20.67	ng/ul	0.03
51) 4-Nitrophenol-d4	14.74	143	81192	10.66	ng/ul	0.06
57) Fluorene-d10	15.50	176	814848	19.59	ng/ul	0.03
62) 4,6-Dinitro-2-methylphenol	15.66	200	268	0.04	ng/ul	0.05
70) Anthracene-d10	17.36	188	1134138	21.55	ng/ul	0.04
76) Pyrene-d10	19.66	212	1321469	17.34	ng/ul	0.04
87) Benzo(a)pyrene-d12	23.65	264	1579497m	21.03	ng/ul	0.08

Target Compounds

						Ovalue
6) Phenol	7.06	94	53974	2.17	ng/ul#	86
11) 2-Methylphenol	8.30	108	46564	2.49	ng/ul	100
28) Naphthalene	10.71	128	88602	1.50	ng/ul	98
49) Acenaphthene	14.57	153	189383	4.67	ng/ul	98
53) Dibenzofuran	14.90	168	94601	1.62	ng/ul	98
58) Fluorene	15.56	166	160207	3.30	ng/ul	96
69) Phenanthrene	17.30	178	2807880	46.37	ng/ul	98
71) Anthracene	17.39	178	924983	14.76	ng/ul	99
72) Carbazole	17.66	167	141850	2.67	ng/ul#	94
74) Fluoranthene	19.33	202	12145606	166.22	ng/ul#	88
77) Pyrene	19.69	202	11294931	113.91	ng/ul#	91
80) Benzo(a)anthracene	21.43	228	11108085	113.70	ng/ul	94
81) Bis(2-ethylhexyl)phthalate	21.32	149	232452	3.51	ng/ul#	93
82) Chrysene	21.49	228	9590866m	104.56	ng/ul	
85) Benzo(b)fluoranthene	23.10	252	14545585m	143.09	ng/ul	
86) Benzo(k)fluoranthene	23.13	252	5464707m	55.78	ng/ul	
88) Benzo(a)pyrene	23.71	252	10166029m	106.10	ng/ul	
89) Indeno(1,2,3-cd)pyrene	26.24	276	6011238m	59.08	ng/ul	
90) Dibenzo(a,h)anthracene	26.22	278	1789788m	20.93	ng/ul	
91) Benzo(g,h,i)perylene	26.99	276	5076462m	60.92	ng/ul	

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

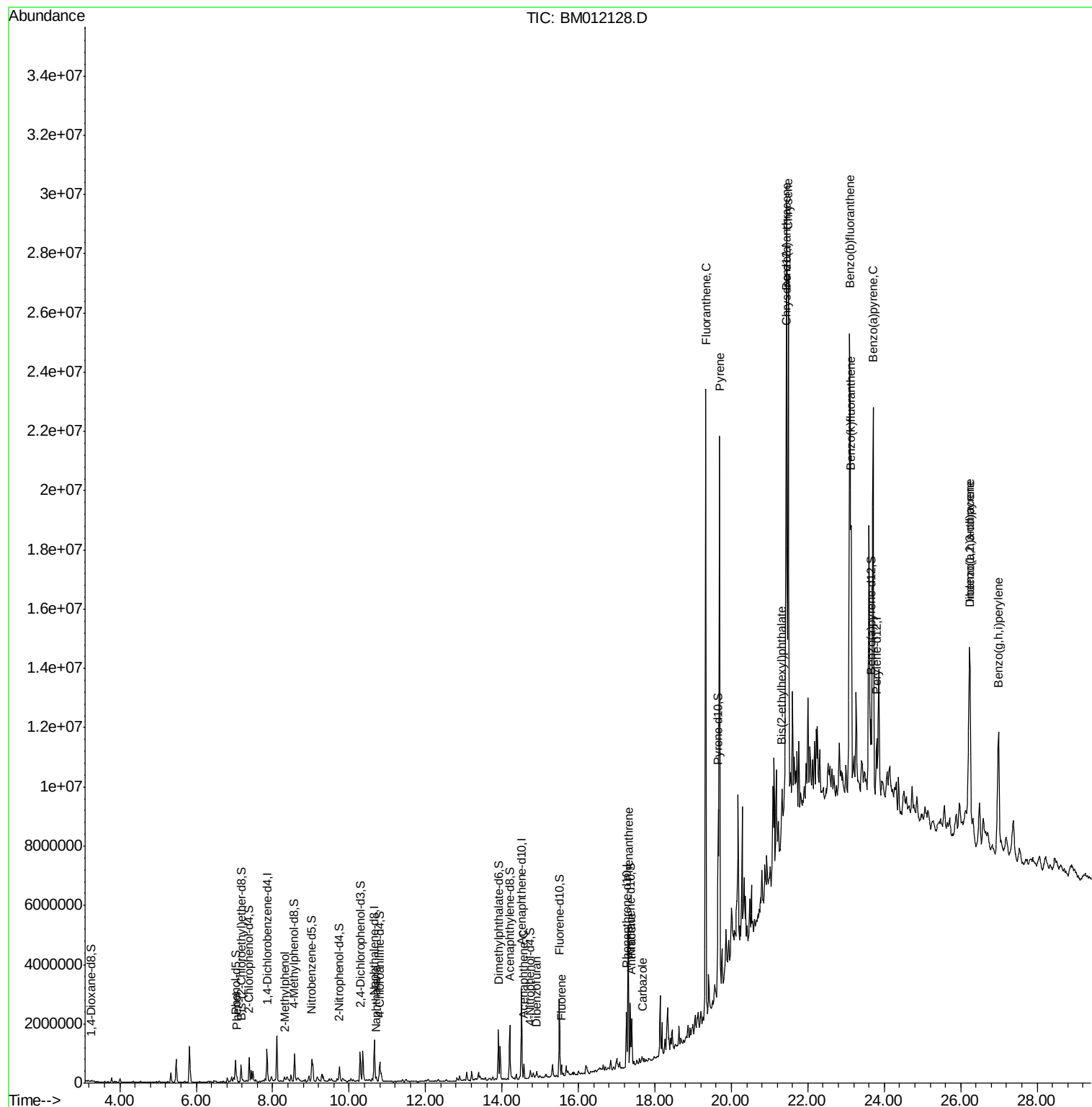
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
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ALS Vial : 28 Sample Multiplier: 1

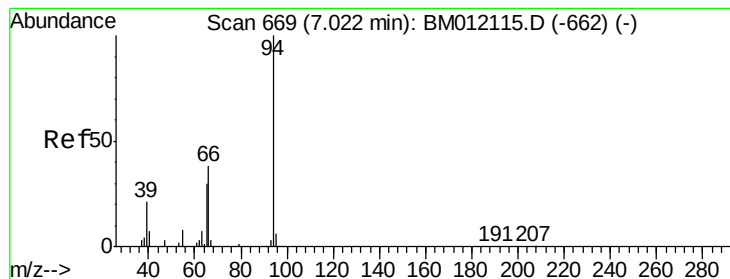
Instrument :
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B-29(0-1)-092917

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Quant Time: Oct 24 05:24:42 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





#6

Phenol

Concen: 2.17 ng/ul

RT: 7.06 min Scan# 675

Delta R.T. 0.04 min

Lab File: BM012128.D

Acq: 13 Oct 2017 08:51

Instrument :

BNA_M

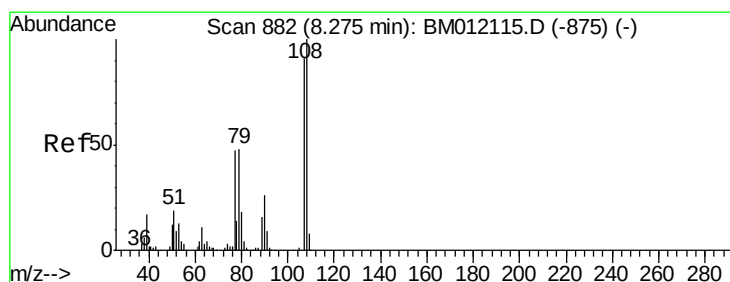
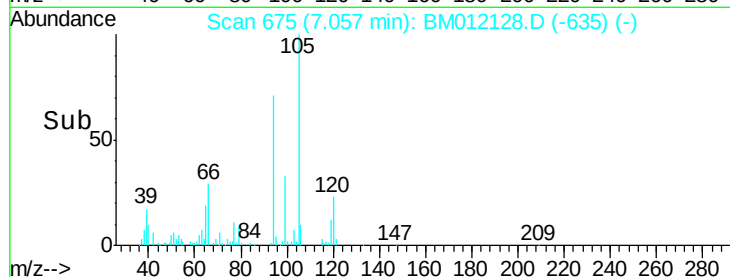
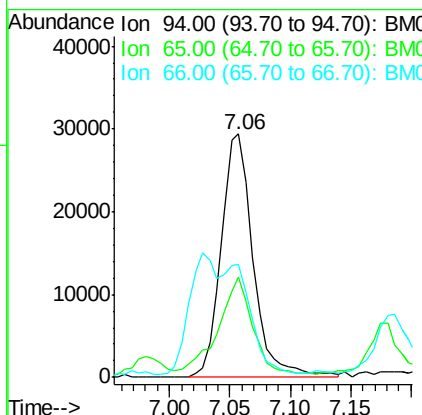
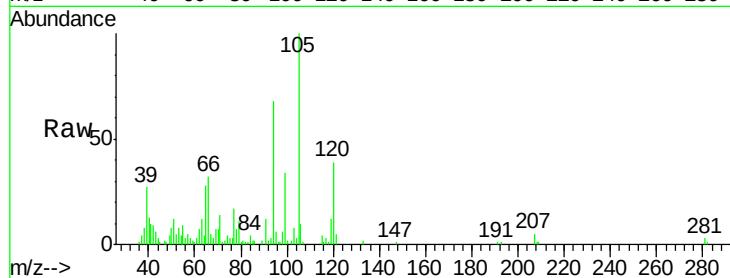
ClientSampleId :

B-29(0-1)-092917

Tot Ion:	94	Resp:	53974
Ion Ratio	Lower	Upper	
94	100		
65	41.0	28.2	42.4
66	46.4	47.2	70.8

Manual Integrations
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#11

2-Methylphenol

Concen: 2.49 ng/ul

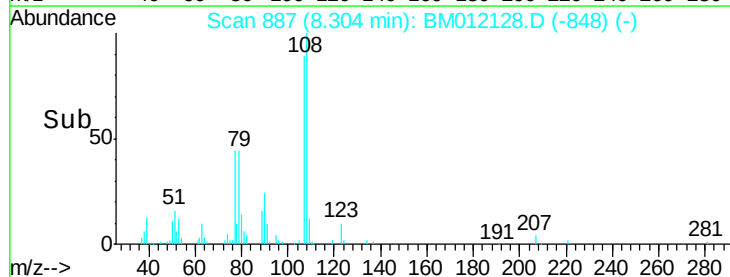
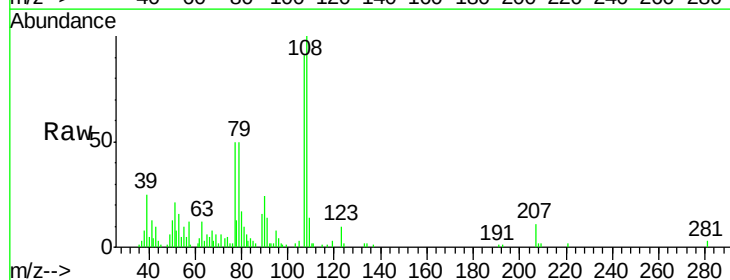
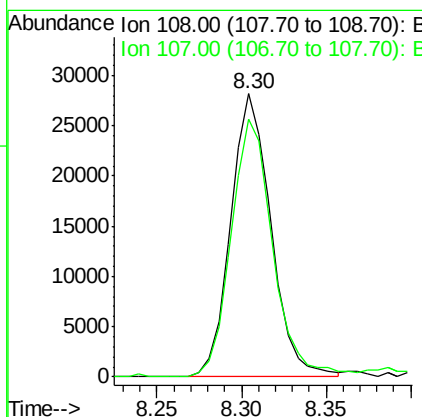
RT: 8.30 min Scan# 887

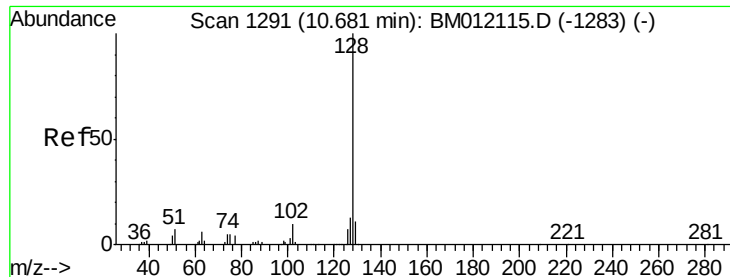
Delta R.T. 0.03 min

Lab File: BM012128.D

Acq: 13 Oct 2017 08:51

Tgt Ion:	108	Resp:	46564
Ion Ratio	Lower	Upper	
108	100		
107	91.1	72.6	108.8





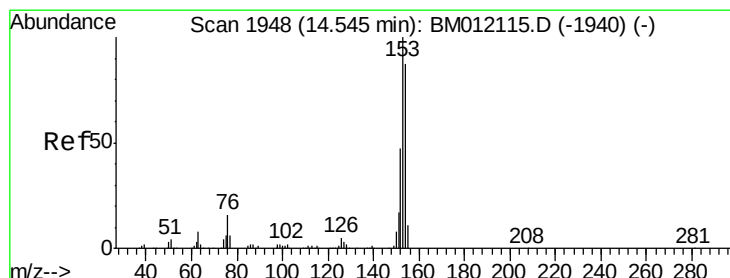
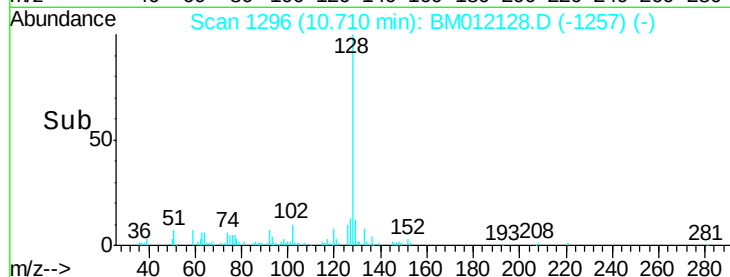
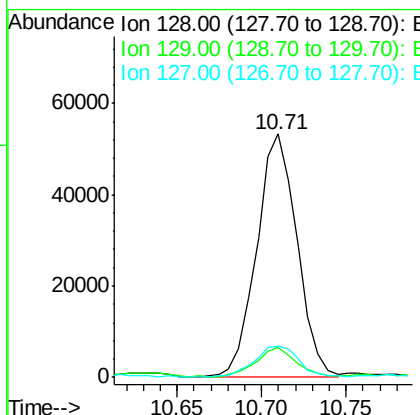
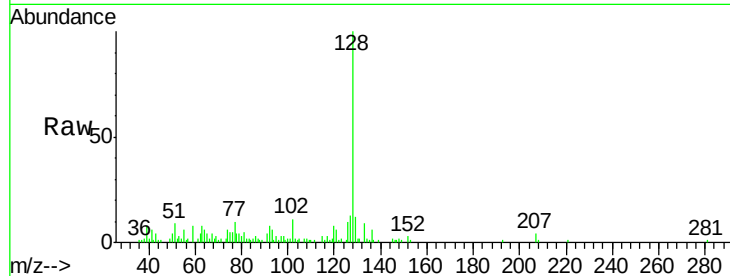
#28
Naphthalene
Concen: 1.50 ng/ul
RT: 10.71 min Scan# 1296
Delta R.T. 0.03 min
Lab File: BM012128.D
Acq: 13 Oct 2017 08:51

Instrument :
BNA_M
ClientSampleId :
B-29(0-1)-092917

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	12.3	8.8	13.2	
127	13.0	10.6	16.0	

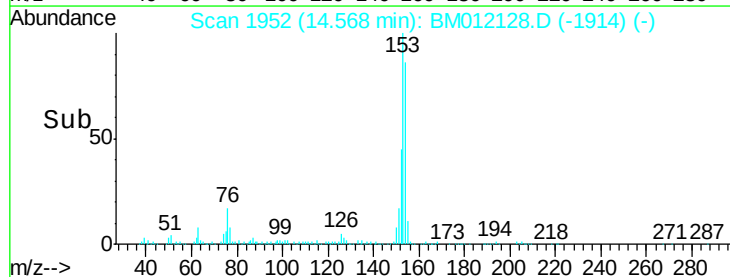
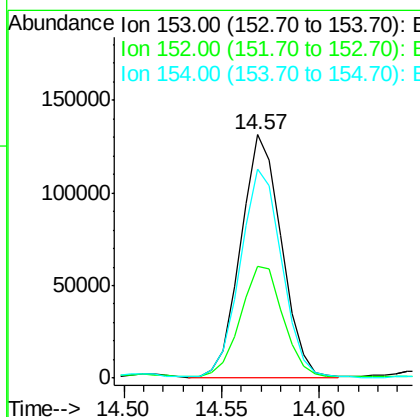
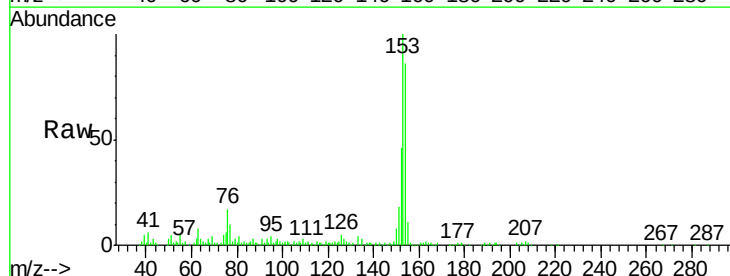
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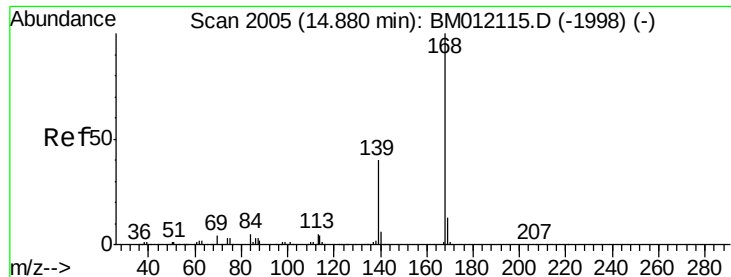
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#49
Acenaphthene
Concen: 4.67 ng/ul
RT: 14.57 min Scan# 1952
Delta R.T. 0.02 min
Lab File: BM012128.D
Acq: 13 Oct 2017 08:51

Tgt Ion	Ratio	Resp	Lower	Upper
153	100			
152	45.8	37.6	56.4	
154	86.0	70.4	105.6	





#53

Dibenzofuran

Concen: 1.62 ng/ul

RT: 14.90 min Scan# 2009

Delta R.T. 0.02 min

Lab File: BM012128.D

Acq: 13 Oct 2017 08:51

Instrument :

BNA_M

ClientSampleId :

B-29(0-1)-092917

Tot Ion:168 Resp: 94601

Ion Ratio Lower Upper

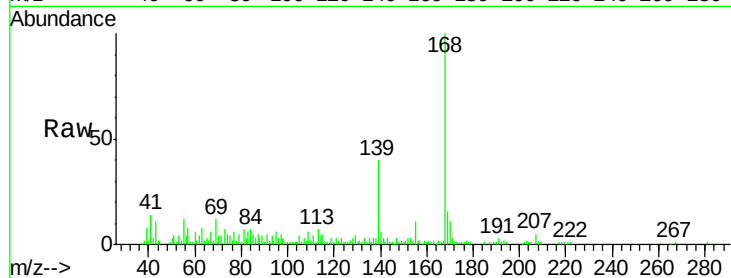
168 100

139 39.7 30.8 46.2

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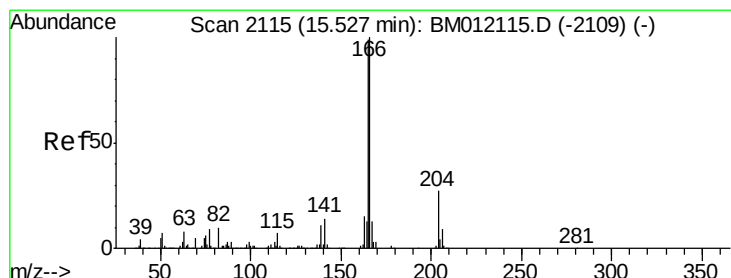
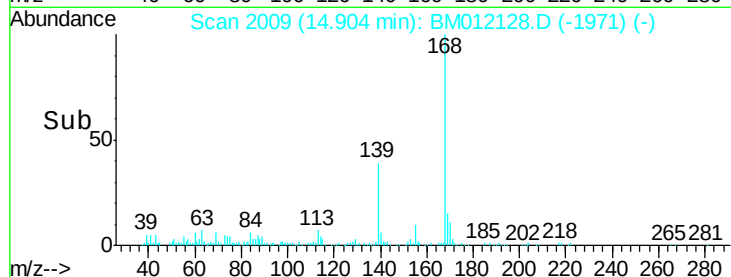
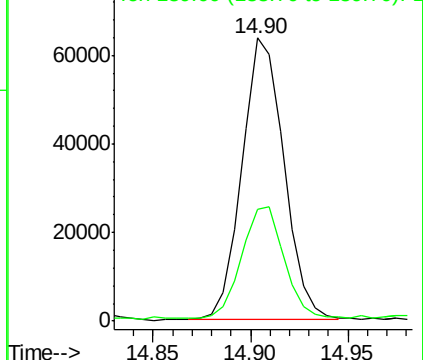
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 3.30 ng/ul

RT: 15.56 min Scan# 2120

Delta R.T. 0.03 min

Lab File: BM012128.D

Acq: 13 Oct 2017 08:51

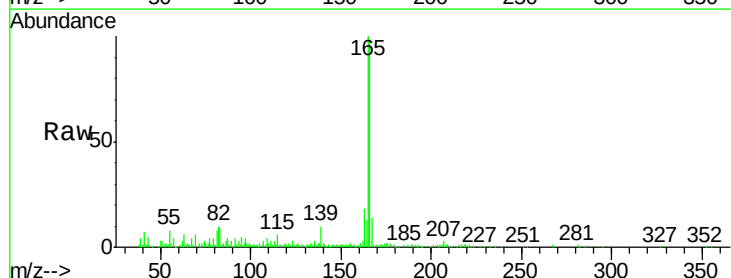
Tgt Ion:166 Resp: 160207

Ion Ratio Lower Upper

166 100

165 101.8 77.9 116.9

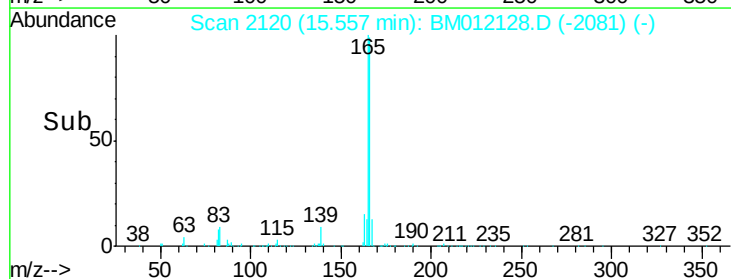
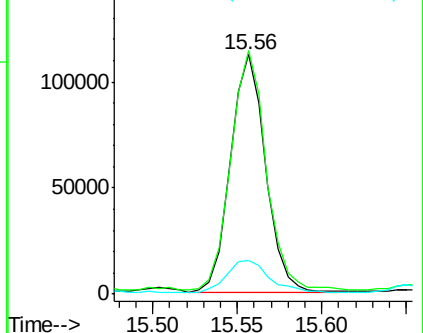
167 14.3 10.6 16.0

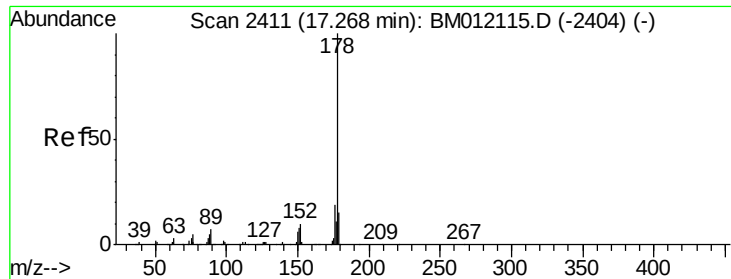


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 46.37 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. 0.04 min

Lab File: BM012128.D

Acq: 13 Oct 2017 08:51

Instrument :

BNA_M

ClientSampleId :

B-29(0-1)-092917

Tot Ion:178 Resp: 2807880

Ion Ratio Lower Upper

178 100

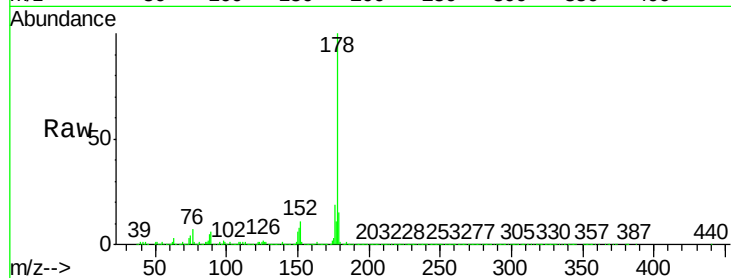
179 15.2 12.6 19.0

176 19.3 14.9 22.3

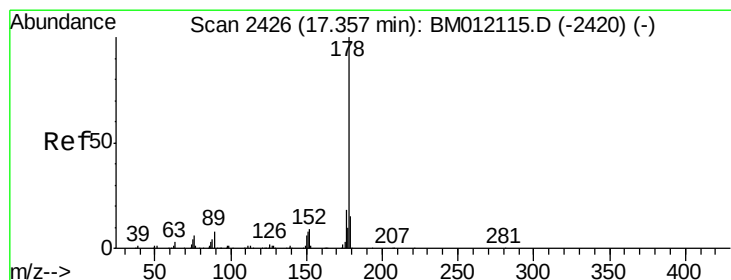
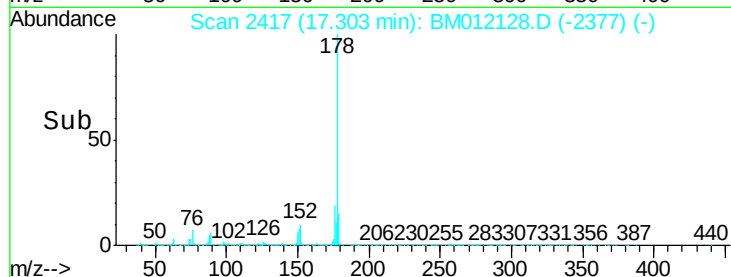
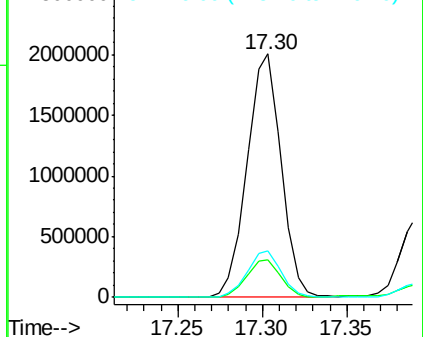
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 14.76 ng/ul

RT: 17.39 min Scan# 2432

Delta R.T. 0.04 min

Lab File: BM012128.D

Acq: 13 Oct 2017 08:51

Tgt Ion:178 Resp: 924983

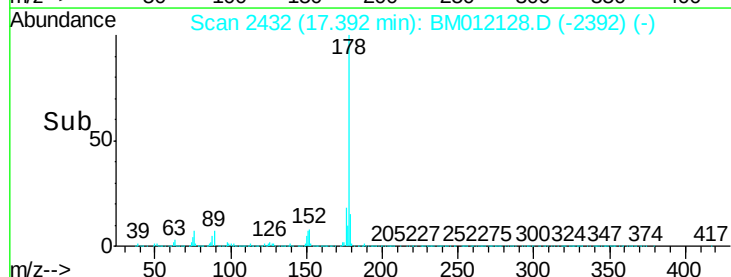
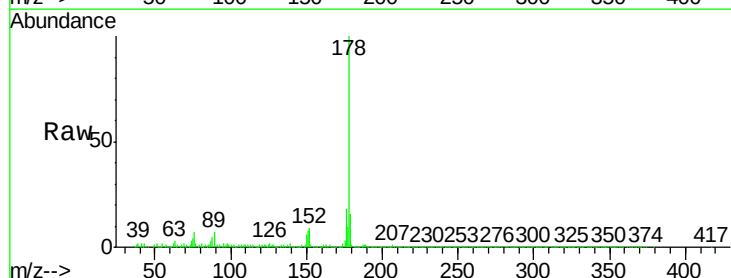
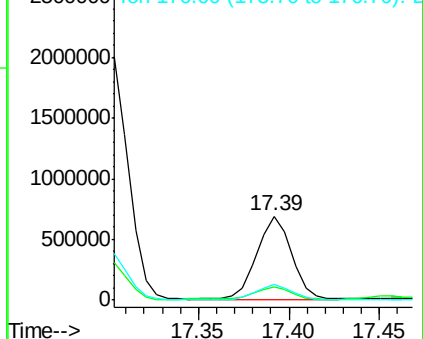
Ion Ratio Lower Upper

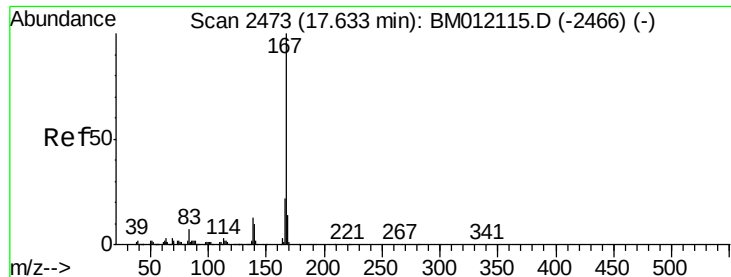
178 100

179 15.6 11.7 17.5

176 18.2 14.6 21.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





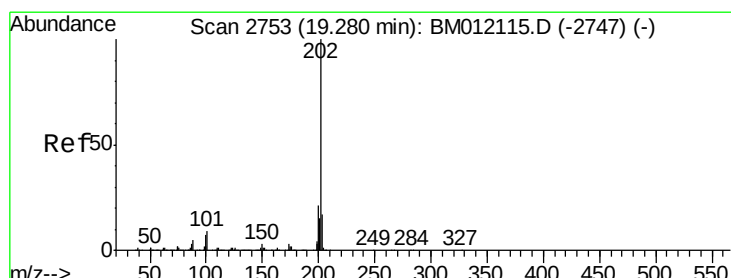
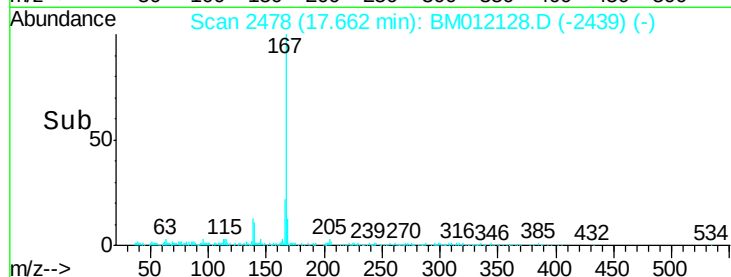
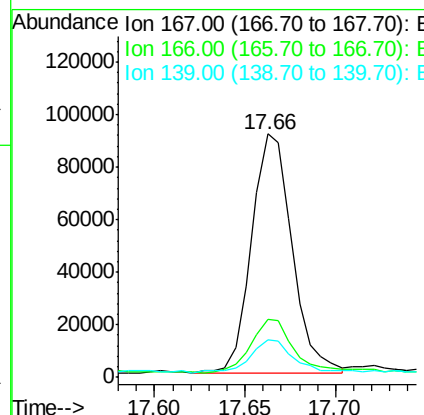
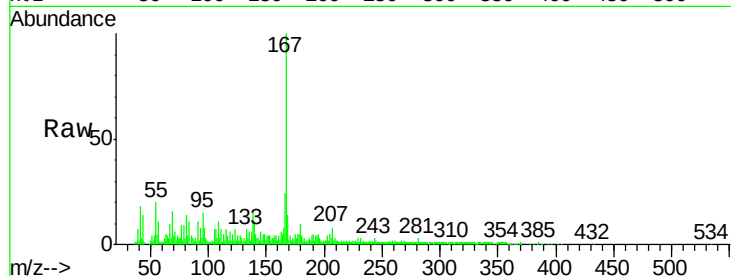
#72
 Carbazole
 Concen: 2.67 ng/ul
 RT: 17.66 min Scan# 2478
 Delta R.T. 0.03 min
 Lab File: BM012128.D
 Acq: 13 Oct 2017 08:51

Instrument :
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 B-29(0-1)-092917

Tot Ion	Ratio	Lower	Upper
167	100		
166	24.0	17.1	25.7
139	15.3	10.0	15.0#

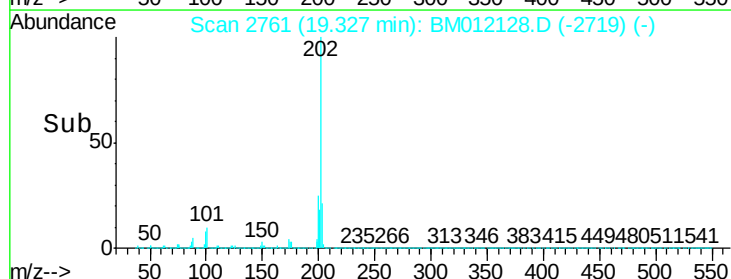
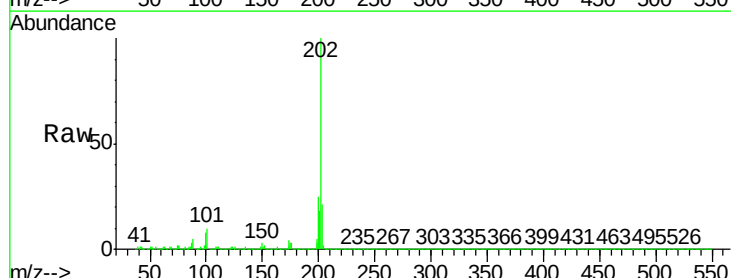
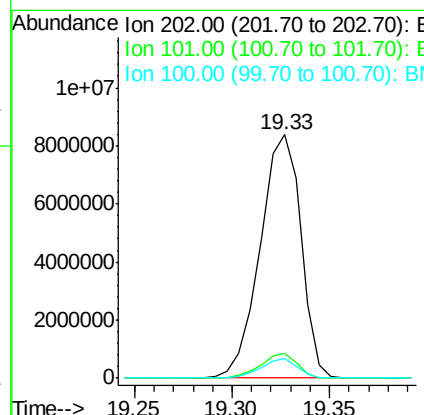
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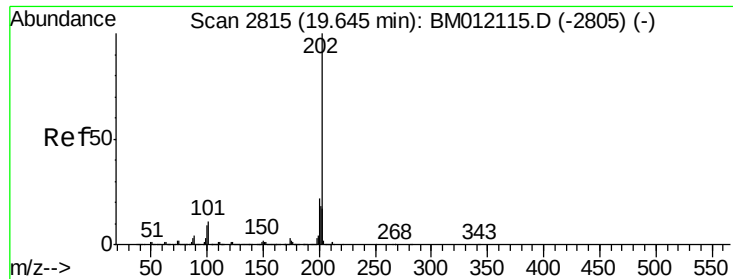
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#74
 Fluoranthene
 Concen: 166.22 ng/ul
 RT: 19.33 min Scan# 2761
 Delta R.T. 0.05 min
 Lab File: BM012128.D
 Acq: 13 Oct 2017 08:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	4.6	7.0#
100	8.0	3.4	5.2#





#77

Pvrene

Concen: 113.91 ng/ul

RT: 19.69 min Scan# 2823

Delta R.T. 0.05 min

Lab File: BM012128.D

Acq: 13 Oct 2017 08:51

Instrument :

BNA_M

ClientSampleId :

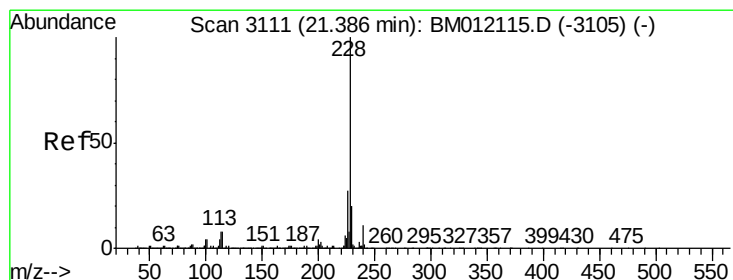
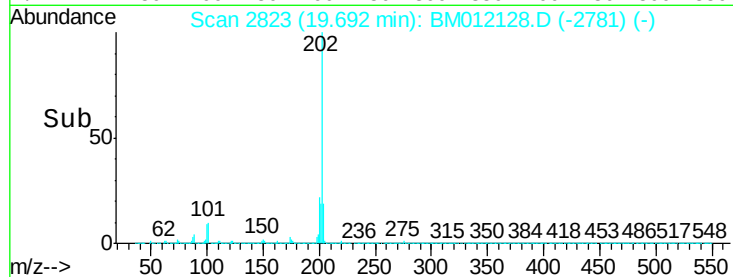
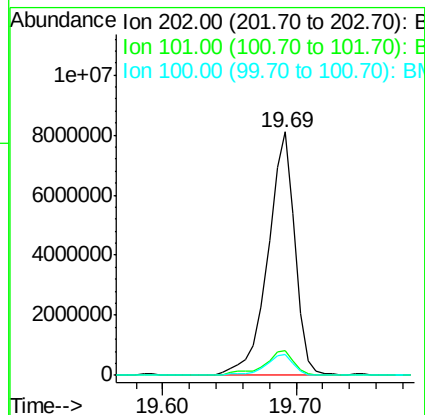
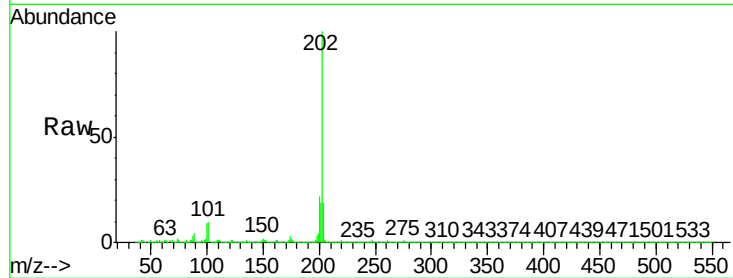
B-29(0-1)-092917

Tot Ion:202 Resp:11294931

Ion	Ratio	Lower	Upper
202	100		
101	10.3	5.1	7.7#
100	8.5	4.9	7.3#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 113.70 ng/ul

RT: 21.43 min Scan# 3119

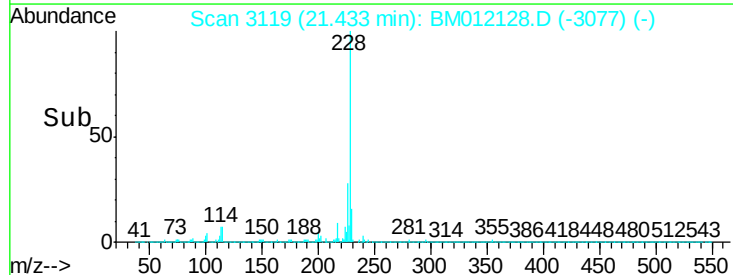
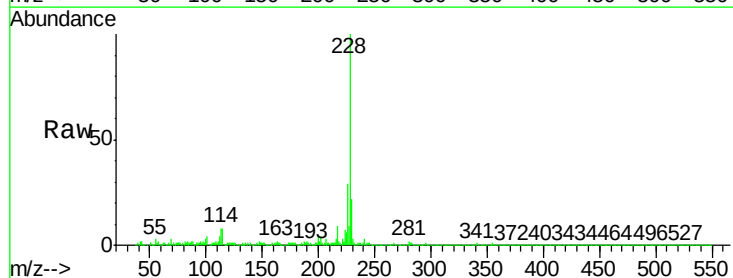
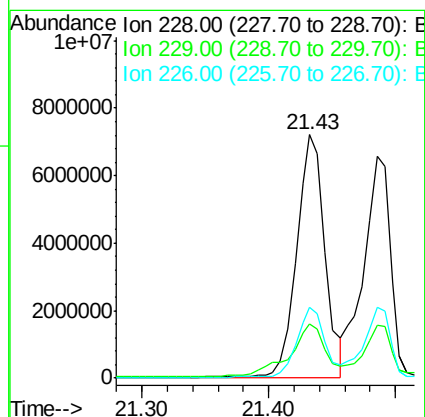
Delta R.T. 0.05 min

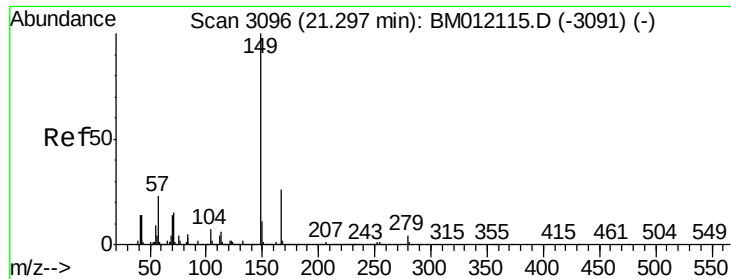
Lab File: BM012128.D

Acq: 13 Oct 2017 08:51

Tgt Ion:228 Resp:11108085

Ion	Ratio	Lower	Upper
228	100		
229	22.4	15.4	23.0
226	29.1	21.4	32.0





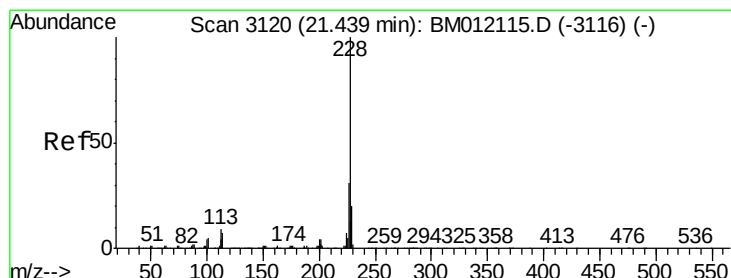
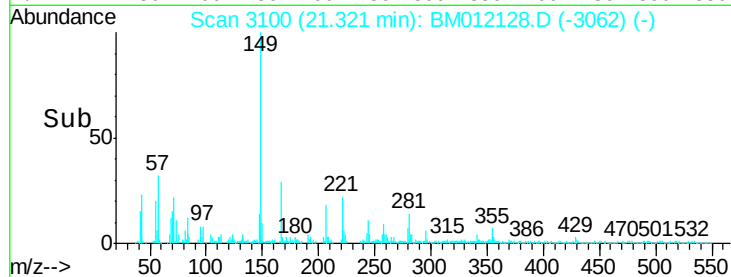
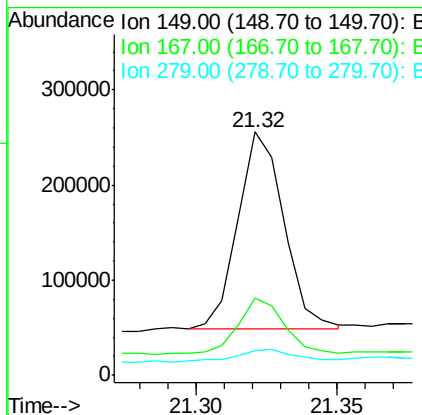
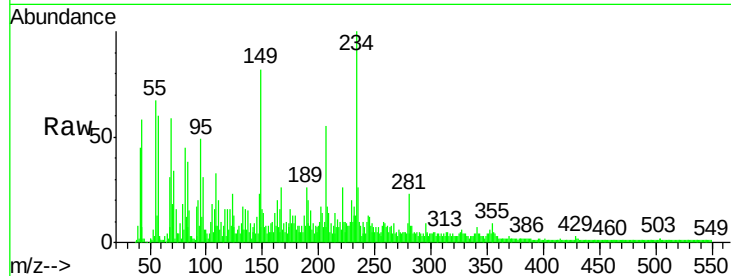
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 3.51 ng/ul
 RT: 21.32 min Scan# 3100
 Delta R.T. 0.02 min
 Lab File: BM012128.D
 Acq: 13 Oct 2017 08:51

Instrument :
 BNA_M
 ClientSampleId :
 B-29(0-1)-092917

Tot Ion	Ratio	Lower	Upper
149	100		
167	31.8	22.8	34.2
279	10.4	4.9	7.3

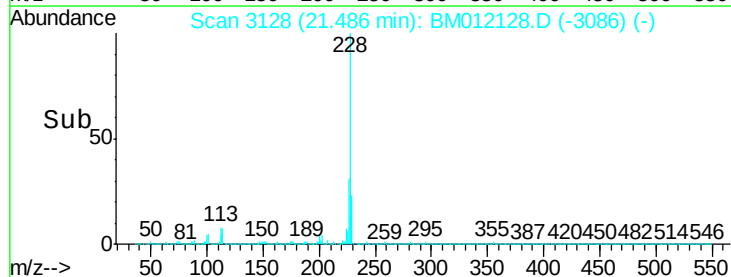
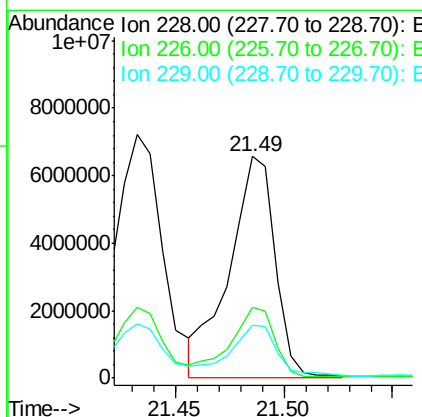
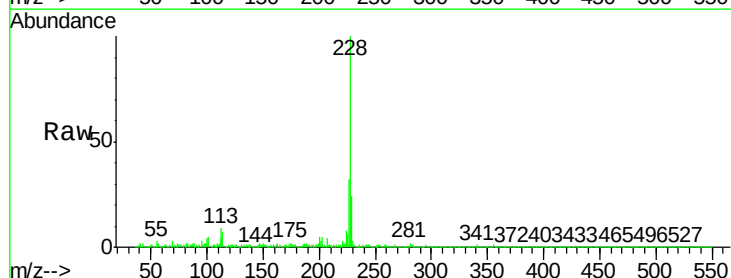
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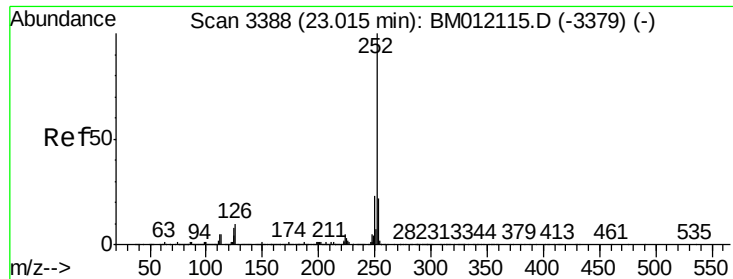
Sohil
 6/22/2018 4:49:03 PM



#82
 Chrysene
 Concen: 104.56 ng/ul m
 RT: 21.49 min Scan# 3128
 Delta R.T. 0.05 min
 Lab File: BM012128.D
 Acq: 13 Oct 2017 08:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.4	35.2
229	24.0	15.5	23.3





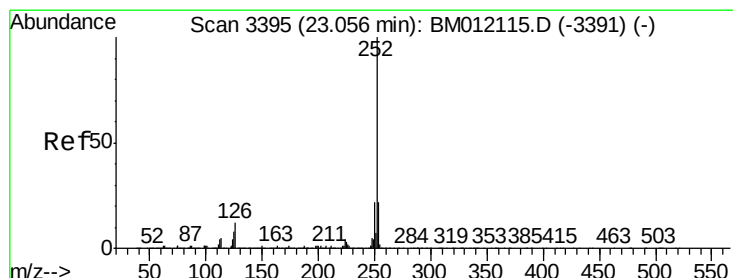
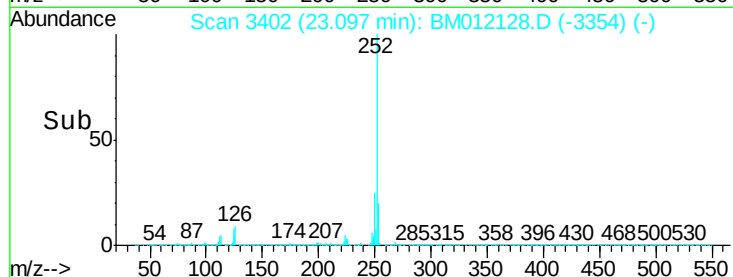
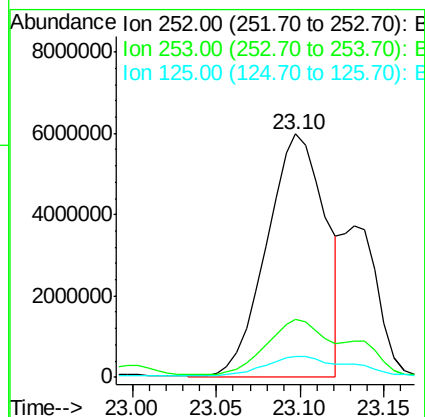
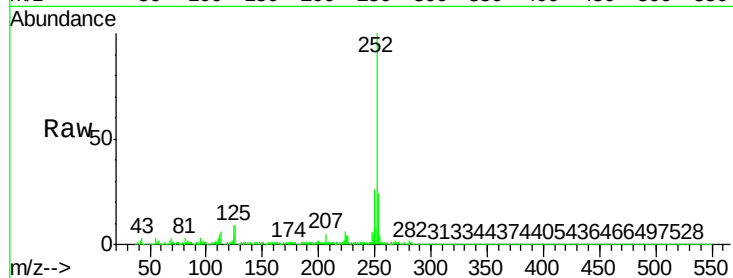
#85
Benzo(b)fluoranthene
Concen: 143.09 ng/ul m
RT: 23.10 min Scan# 3402
Delta R.T. 0.08 min
Lab File: BM012128.D
Acq: 13 Oct 2017 08:51

Instrument :
BNA_M
ClientSampleId :
B-29(0-1)-092917

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	8.7	3.6	5.4

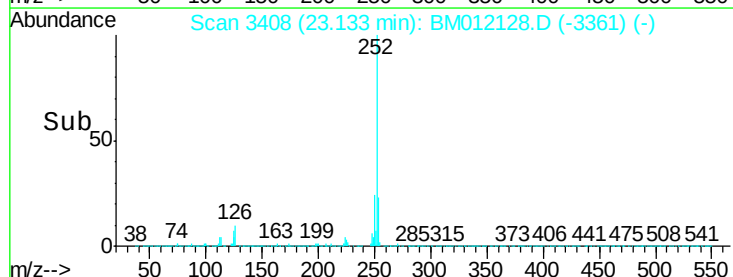
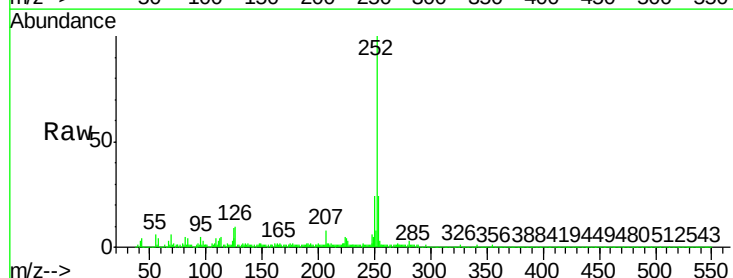
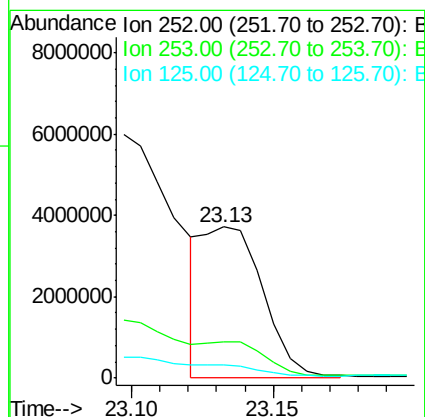
Manual Integrations
APPROVED

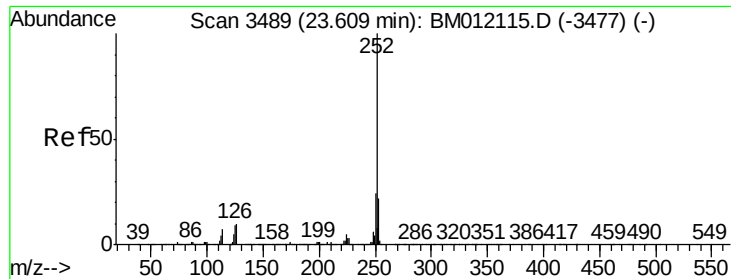
Sohil
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#86
Benzo(k)fluoranthene
Concen: 55.78 ng/ul m
RT: 23.13 min Scan# 3408
Delta R.T. 0.08 min
Lab File: BM012128.D
Acq: 13 Oct 2017 08:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	8.6	3.4	5.2





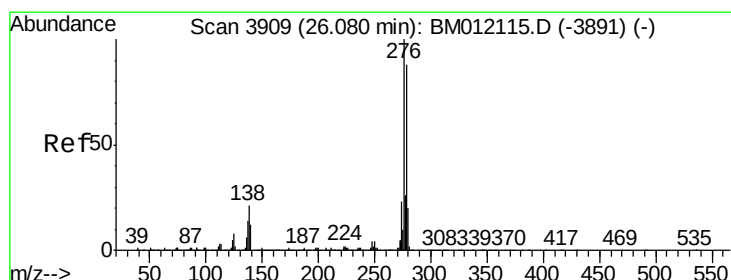
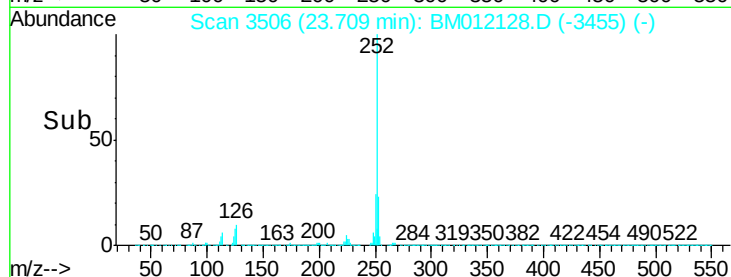
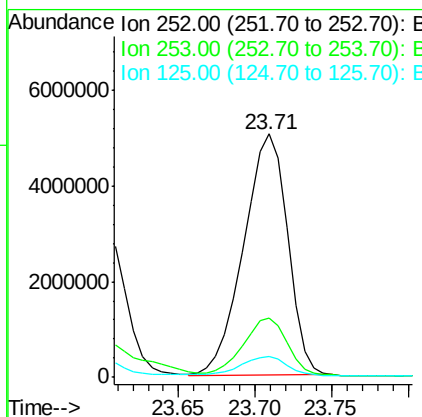
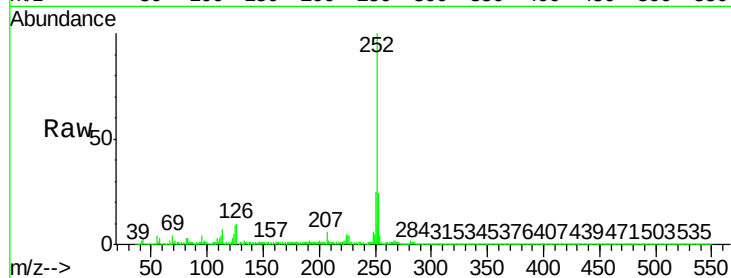
#88
Benzo(a)pyrene
Concen: 106.10 ng/ul m
RT: 23.71 min Scan# 3506
Delta R.T. 0.10 min
Lab File: BM012128.D
Acq: 13 Oct 2017 08:51

Instrument :
BNA_M
ClientSampleId :
B-29(0-1)-092917

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	8.7	4.0	6.0

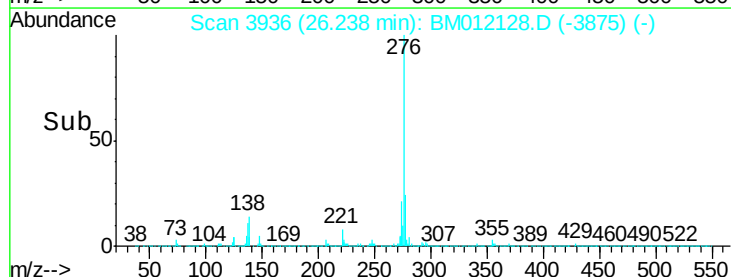
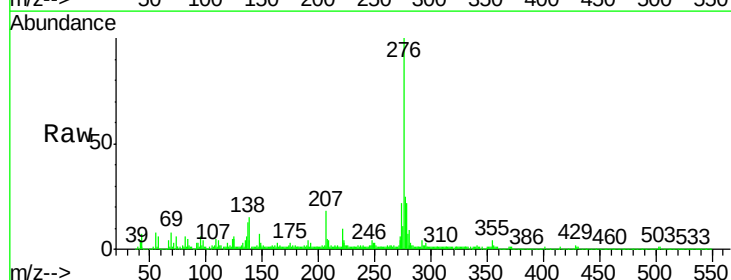
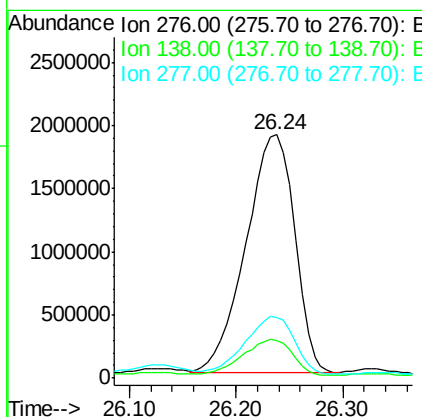
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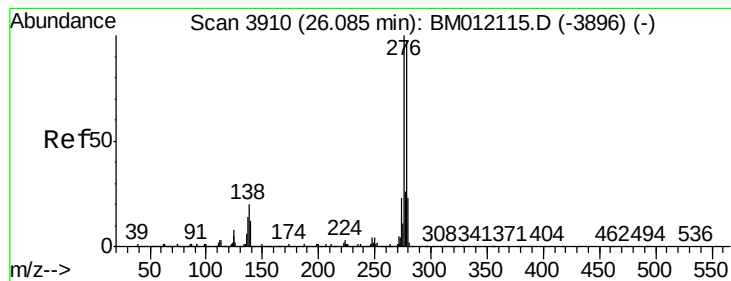
Sohil
6/22/2018 4:49:03 PM



#89
Indeno(1,2,3-cd)pyrene
Concen: 59.08 ng/ul m
RT: 26.24 min Scan# 3936
Delta R.T. 0.16 min
Lab File: BM012128.D
Acq: 13 Oct 2017 08:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.3	9.3	13.9
277	25.0	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 20.93 ng/ul m

RT: 26.22 min Scan# 3933

Delta R.T. 0.14 min

Lab File: BM012128.D

Acq: 13 Oct 2017 08:51

Instrument :

BNA_M

ClientSampleId :

B-29(0-1)-092917

Tot Ion:278 Resp: 1789788

Ion Ratio Lower Upper

278 100

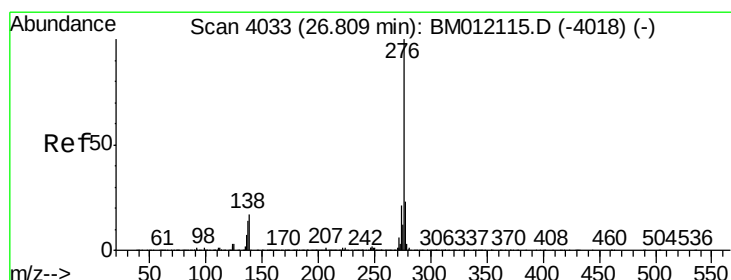
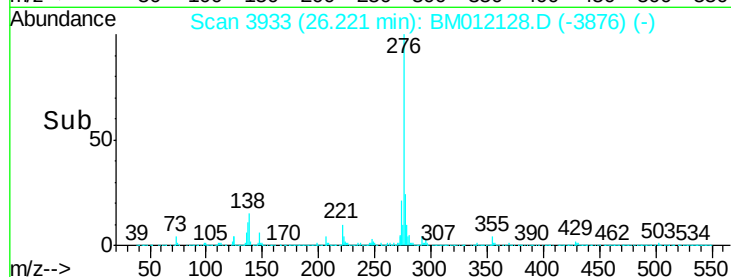
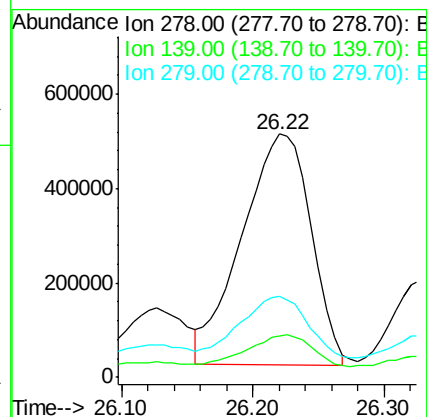
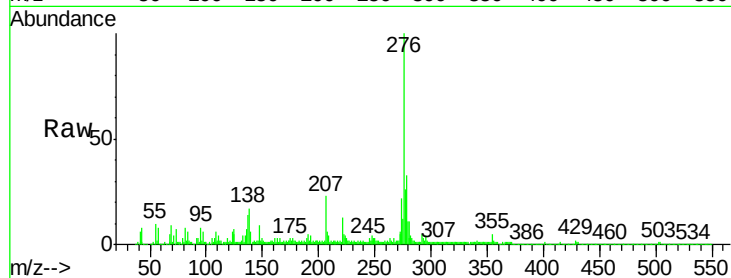
139 17.0 5.8 8.8#

279 33.3 18.6 27.8#

Manual Integrations
APPROVED

Sohil

6/22/2018 4:49:03 PM



#91

Benzo(g,h,i)perylene

Concen: 60.92 ng/ul m

RT: 26.99 min Scan# 4063

Delta R.T. 0.18 min

Lab File: BM012128.D

Acq: 13 Oct 2017 08:51

Tgt Ion:276 Resp: 5076462

Ion Ratio Lower Upper

276 100

138 16.8 8.5 12.7#

277 26.1 18.6 28.0

