

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM120617\
 Data File : BM013234.D
 Acq On : 07 Dec 2017 05:52
 Operator : SJ/JU
 Sample : I6647-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0280

Manual Integrations
 APPROVED

Sohil
 12/7/2017 11:41:34 AM

Quant Time: Dec 07 06:42:48 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 07 04:35:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	277818	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	1189980	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	679333	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	1513338	20.00	ng/ul	0.00
75) Chrysene-d12	21.28	240	1379163	20.00	ng/ul	0.00
83) Perylene-d12	23.51	264	1159783	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	20742	3.70	ng/uL	0.00
5) Phenol-d5	6.88	99	635395	26.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.04	67	362969	26.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	530603	28.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	535488	26.08	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	268109	28.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	284130	28.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	570550	27.41	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	582424	30.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	1613665	26.69	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	2163721	29.00	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	241737	23.02	ng/ul	0.00
57) Fluorene-d10	15.34	176	1407236	27.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	157935	16.59	ng/ul	0.00
70) Anthracene-d10	17.19	188	2129805	28.10	ng/ul	0.00
76) Pyrene-d10	19.49	212	2271267	33.06	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.37	264	1667638	28.23	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.90	94	67703	2.849	ng/ul	89
44) Dimethylphthalate	13.80	163	375805	6.500	ng/ul	98
49) Acenaphthene	14.40	153	118755	2.525	ng/ul	97
58) Fluorene	15.39	166	166847	2.905	ng/ul	91
69) Phenanthrene	17.13	178	1551529	18.046	ng/ul	99
71) Anthracene	17.22	178	157742	1.795	ng/ul	99
72) Carbazole	17.49	167	111139	1.470	ng/ul	96
74) Fluoranthene	19.15	202	1726675	16.388	ng/ul#	92
77) Pyrene	19.52	202	1672602	19.962	ng/ul#	93
80) Benzo(a)anthracene	21.26	228	548917	6.273	ng/ul	97
82) Chrysene	21.32	228	707793	8.719	ng/ul	96
85) Benzo(b)fluoranthene	22.84	252	771784	9.872	ng/ul#	94
86) Benzo(k)fluoranthene	22.89	252	266870m	3.627	ng/ul	
88) Benzo(a)pyrene	23.41	252	440220	6.268	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.75	276	306978	4.405	ng/ul#	93
90) Dibenzo(a,h)anthracene	25.76	278	80298m	1.353	ng/ul	
91) Benzo(g,h,i)perylene	26.43	276	322242	5.862	ng/ul#	94

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

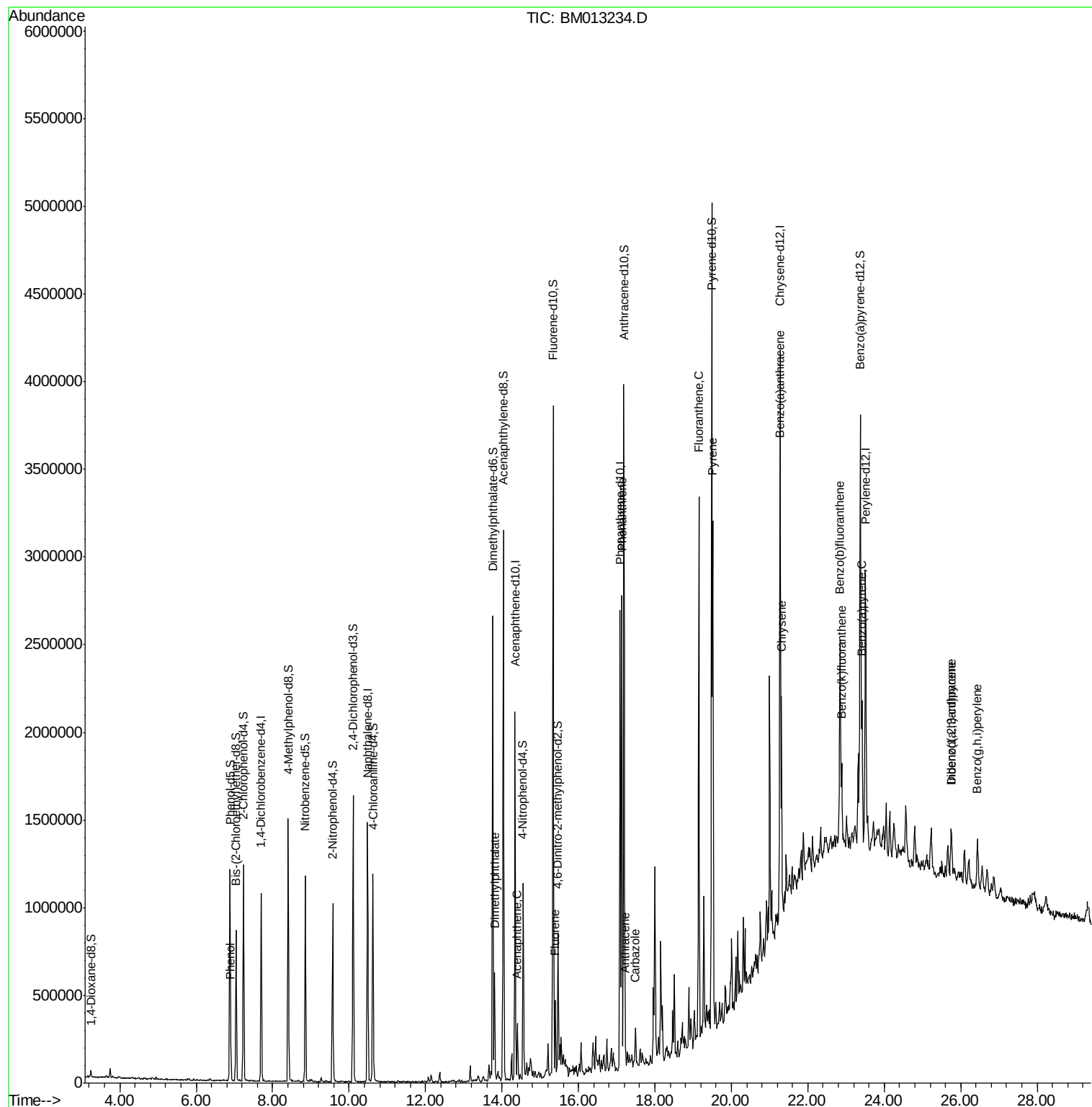
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM120617\
Data File : BM013234.D
Acq On : 07 Dec 2017 05:52
Operator : SJ/JU
Sample : I6647-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

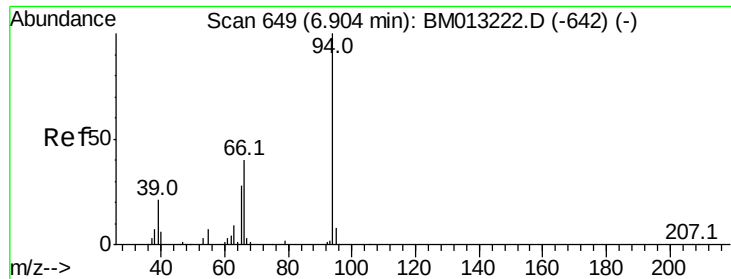
Instrument :
BNA_M
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C0280

Manual Integrations
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Quant Time: Dec 07 06:42:48 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 07 04:35:17 2017
Response via : Initial Calibration





#6

Phenol

Concen: 2.849 ng/ul

RT: 6.90 min Scan# 649

Delta R.T. 0.00 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

Instrument :

BNA_M

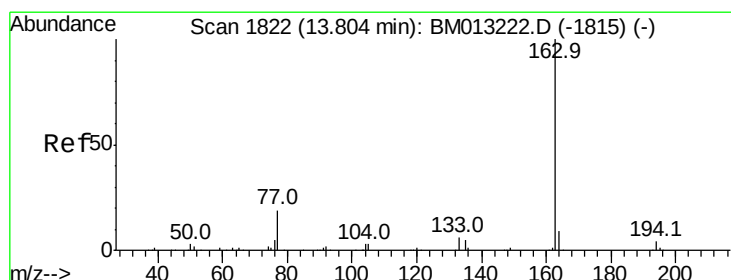
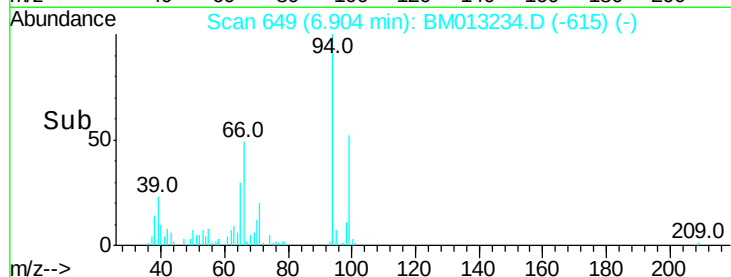
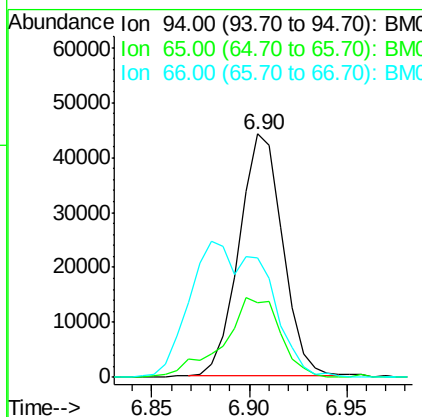
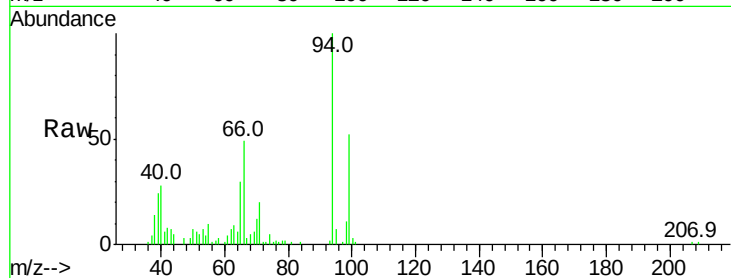
ClientSampled :

C0280

Tot Ion:	94	Resp:	67703
Ion	Ratio	Lower	Upper
94	100		
65	30.5	28.2	42.4
66	49.0	47.2	70.8

Manual Integrations
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#44

Dimethylphthalate

Concen: 6.500 ng/ul

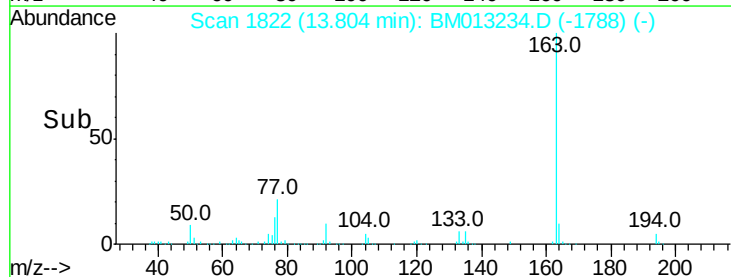
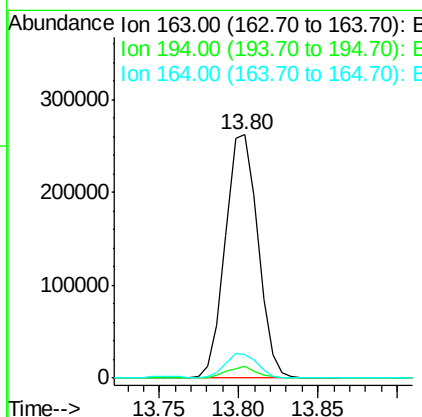
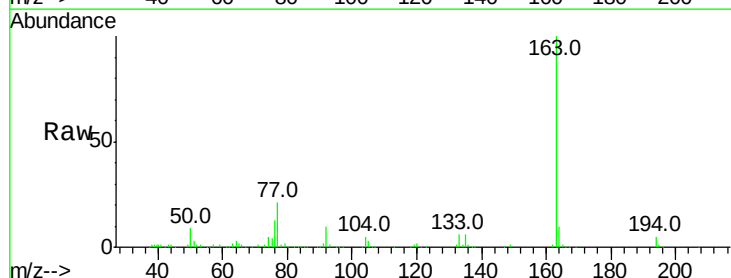
RT: 13.80 min Scan# 1822

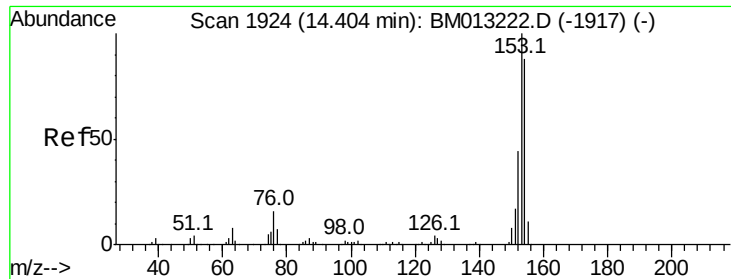
Delta R.T. 0.00 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

Tgt Ion:	163	Resp:	375805
Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.5	5.3
164	9.5	8.2	12.4





#49

Acenaphthene

Concen: 2.525 ng/ul

RT: 14.40 min Scan# 1924

Delta R.T. 0.00 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

Instrument :

BNA_M

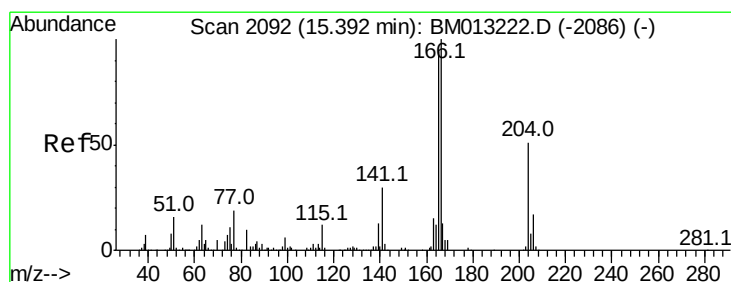
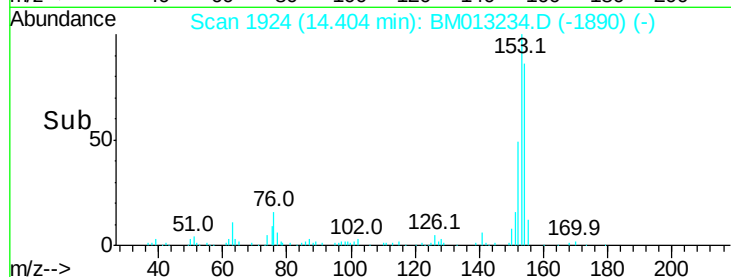
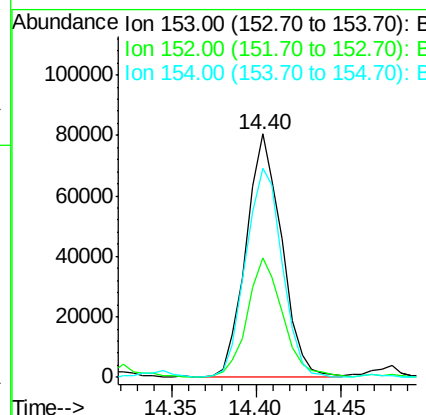
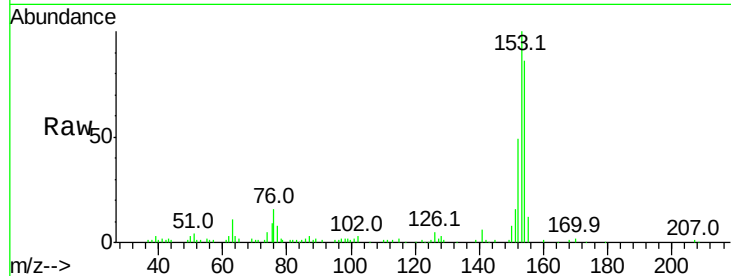
ClientSampled :

C0280

Tot Ion:	153	Resp:	118755
Ion Ratio	Lower	Upper	
153	100		
152	49.0	37.6	56.4
154	85.7	70.4	105.6

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#58

Fluorene

Concen: 2.905 ng/ul

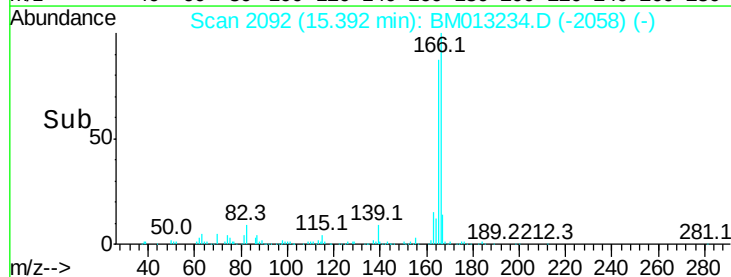
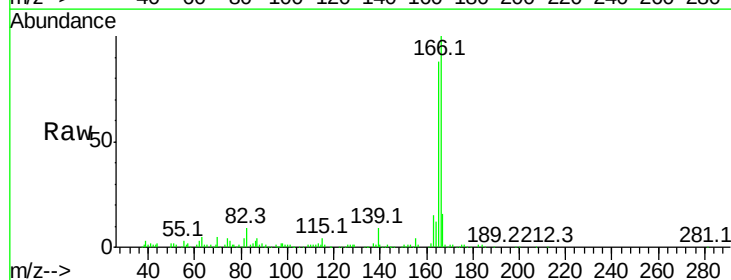
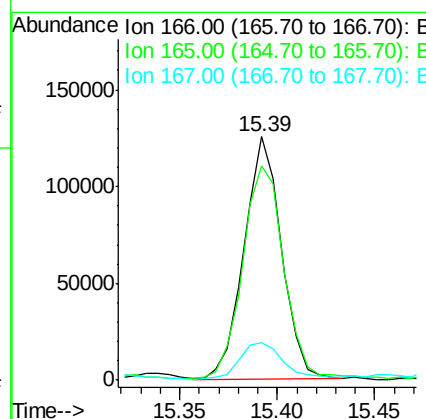
RT: 15.39 min Scan# 2092

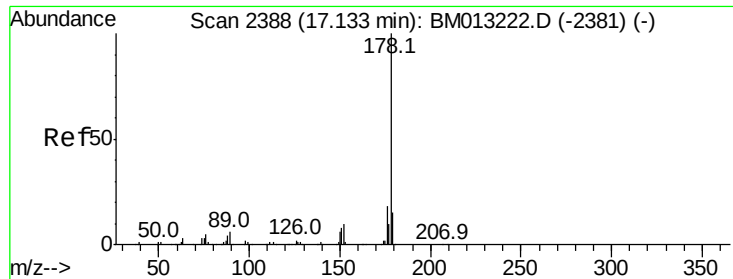
Delta R.T. 0.00 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

Tgt Ion:	166	Resp:	166847
Ion Ratio	Lower	Upper	
166	100		
165	88.1	77.9	116.9
167	15.6	10.6	16.0





#69

Phenanthrene

Concen: 18.046 ng/ul

RT: 17.13 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

Instrument :

BNA_M

ClientSampleId :

C0280

Tot Ion:178 Resp: 1551529

Ion Ratio Lower Upper

178 100

179 16.6 12.6 19.0

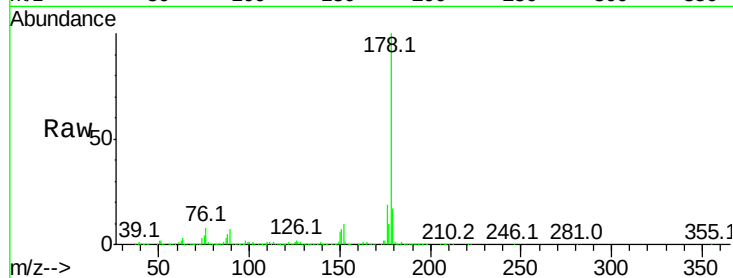
176 19.1 14.9 22.3

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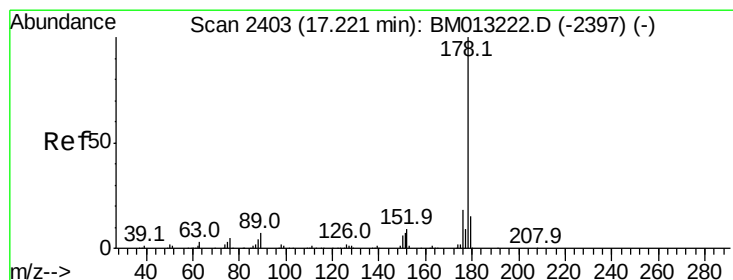
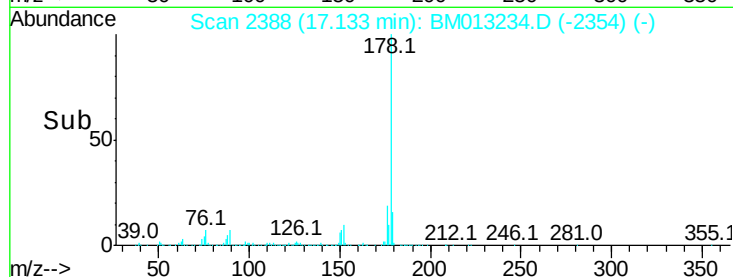
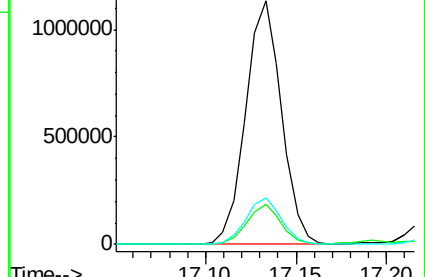
12/7/2017 11:41:34 AM



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: 1.795 ng/ul

RT: 17.22 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

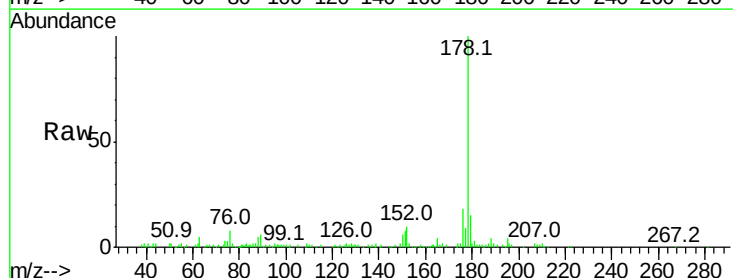
Tgt Ion:178 Resp: 157742

Ion Ratio Lower Upper

178 100

179 15.0 11.7 17.5

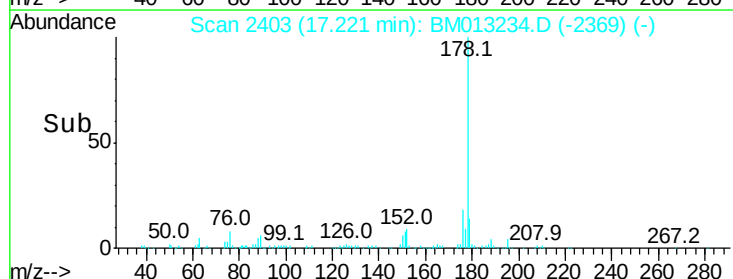
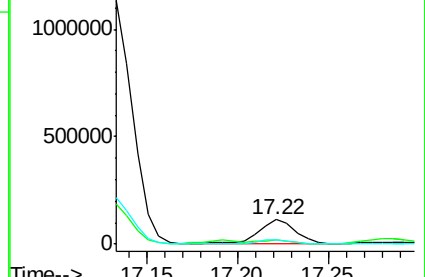
176 17.9 14.6 21.8

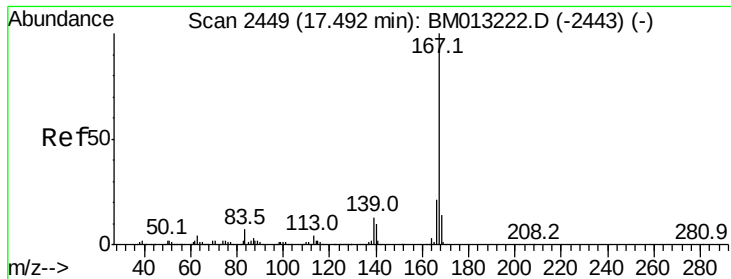


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.470 ng/ul

RT: 17.49 min Scan# 2449

Delta R.T. 0.00 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

Instrument :

BNA_M

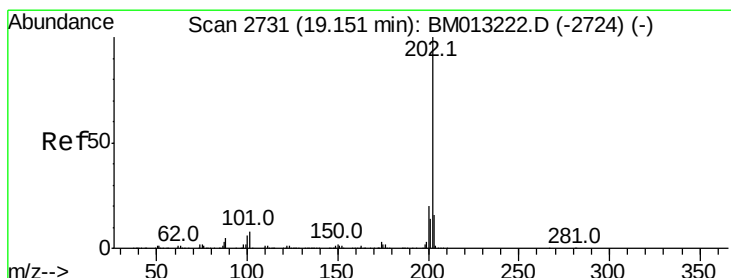
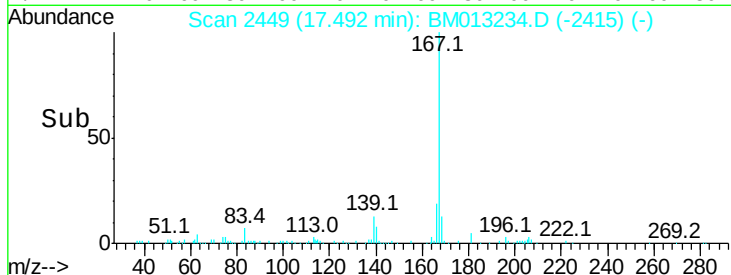
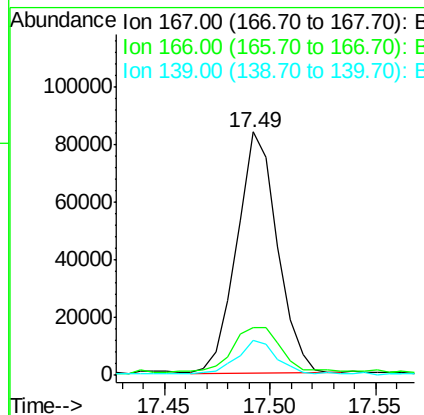
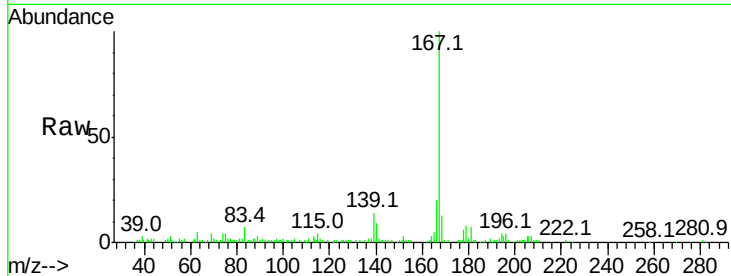
ClientSampleId :

C0280

Tot Ion:	167	Resp:	111139
Ion Ratio	Lower	Upper	
167	100		
166	19.8	17.1	25.7
139	14.1	10.0	15.0

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#74

Fluoranthene

Concen: 16.388 ng/ul

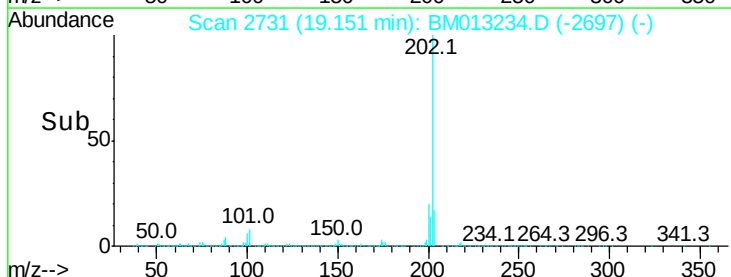
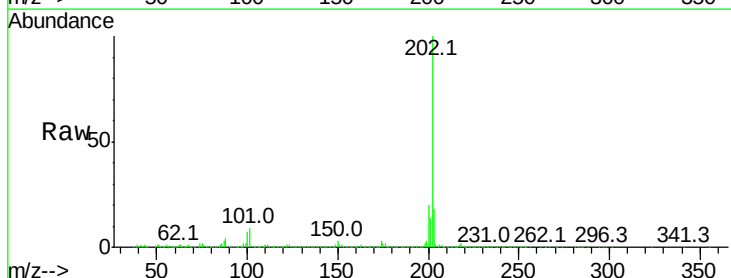
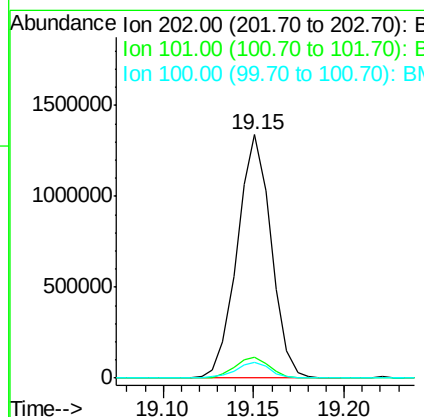
RT: 19.15 min Scan# 2731

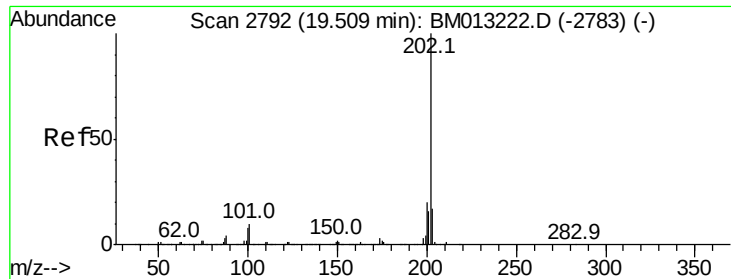
Delta R.T. 0.00 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

Tgt Ion:	202	Resp:	1726675
Ion Ratio	Lower	Upper	
202	100		
101	8.6	4.6	7.0#
100	6.6	3.4	5.2#





#77

Pvrene

Concen: 19.962 ng/ul

RT: 19.52 min Scan# 2793

Delta R.T. 0.01 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

Instrument :

BNA_M

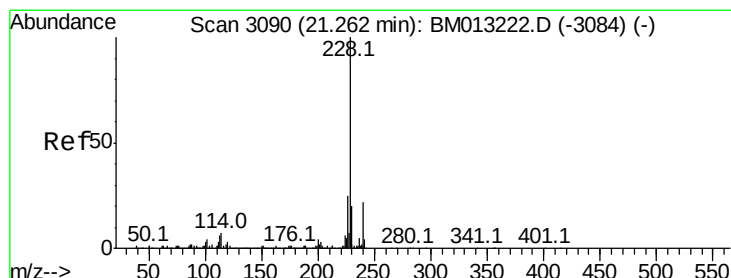
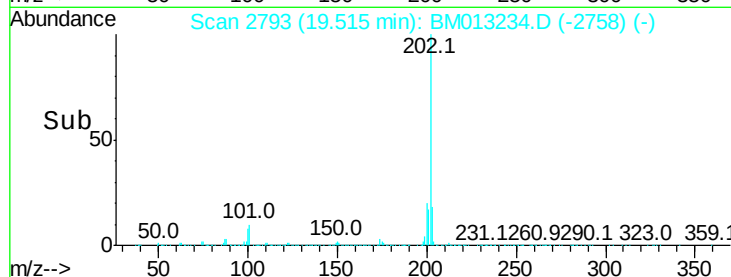
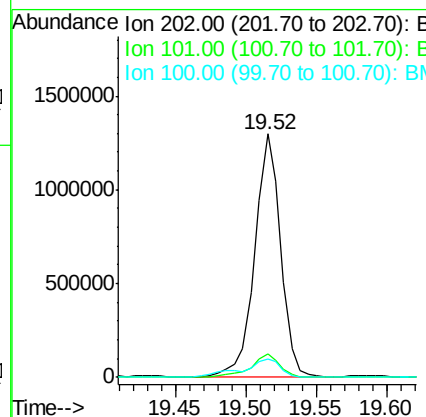
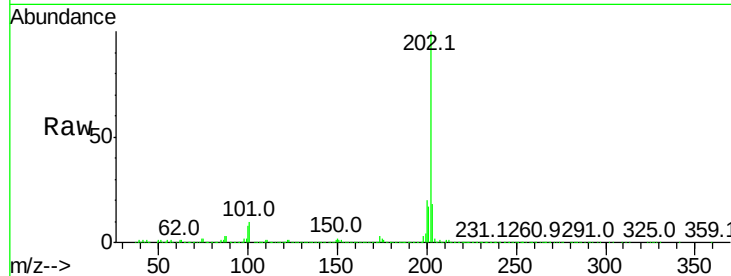
ClientSampleId :

C0280

Tot Ion:	202	Resp:	1672602
Ion Ratio	Lower	Upper	
202	100		
101	9.7	5.1	7.7#
100	7.7	4.9	7.3#

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#80

Benzo(a)anthracene

Concen: 6.273 ng/ul

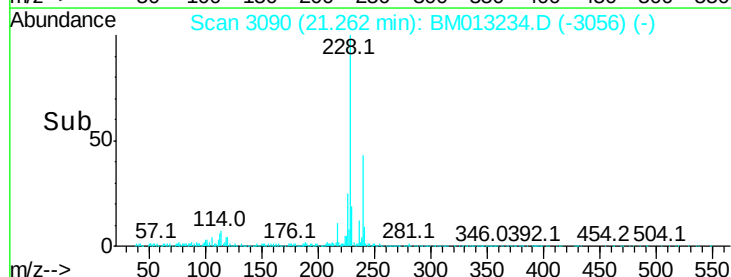
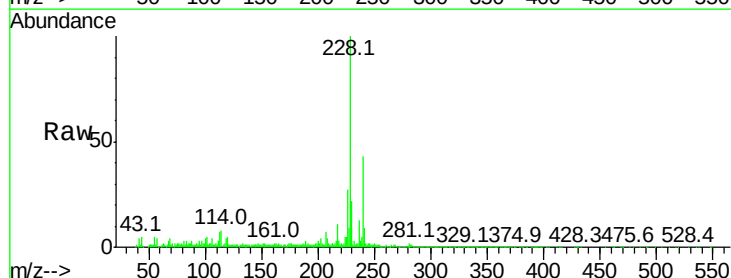
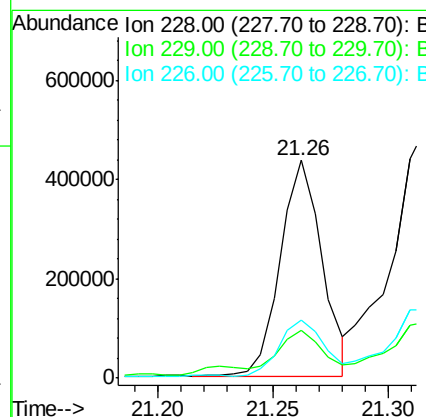
RT: 21.26 min Scan# 3090

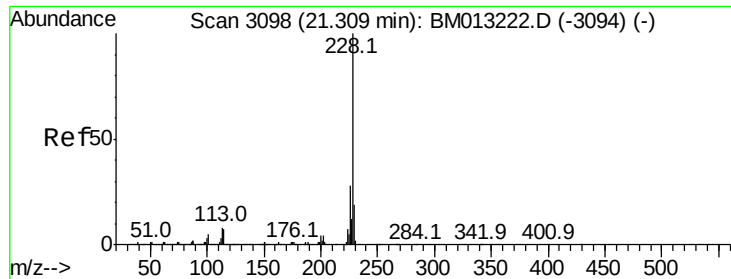
Delta R.T. 0.00 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

Tgt Ion:	228	Resp:	548917
Ion Ratio	Lower	Upper	
228	100		
229	21.9	15.4	23.0
226	26.8	21.4	32.0





#82

Chrysene

Concen: 8.719 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

Instrument :

BNA_M

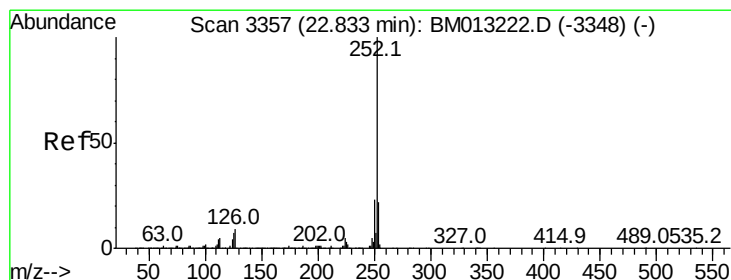
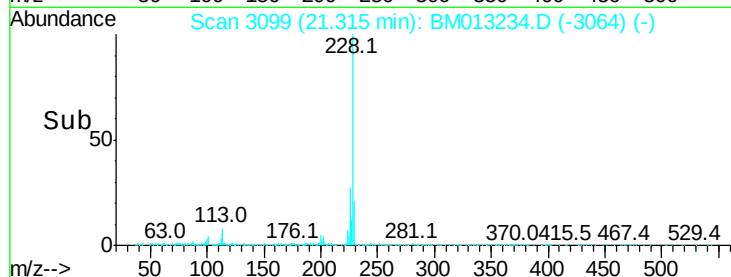
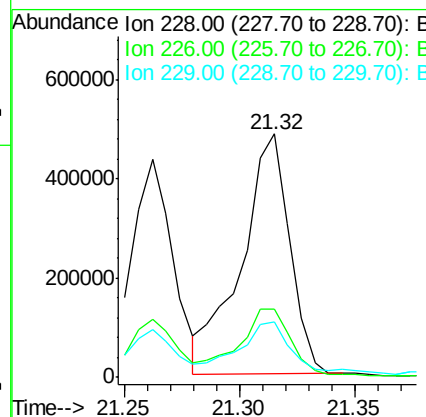
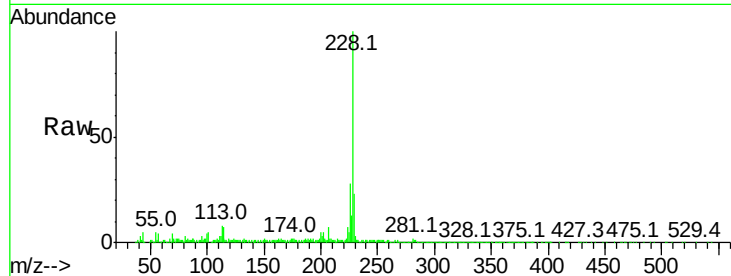
ClientSampleId :

C0280

Tot Ion:	228	Resp:	707793
Ion Ratio	Lower	Upper	
228	100		
226	28.0	23.4	35.2
229	22.7	15.5	23.3

Manual Integrations
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#85

Benzo(b)fluoranthene

Concen: 9.872 ng/ul

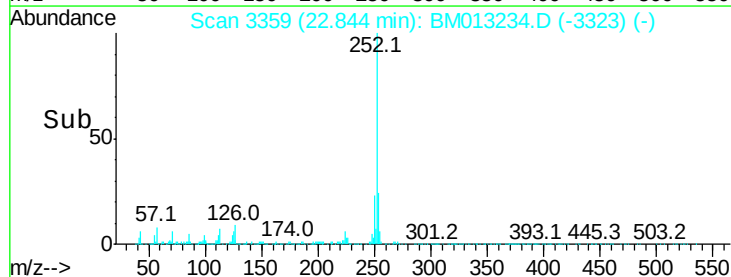
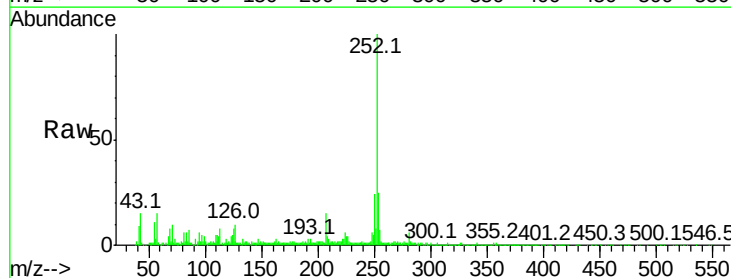
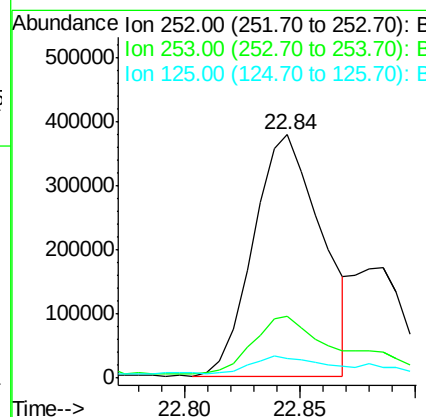
RT: 22.84 min Scan# 3359

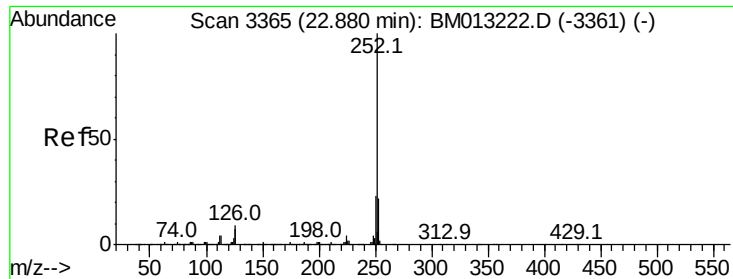
Delta R.T. 0.01 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

Tgt Ion:	252	Resp:	771784
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.9	26.9
125	7.9	3.6	5.4#





#86

Benzo(k)fluoranthene

Concen: 3.627 ng/ul m

RT: 22.89 min Scan# 3366

Delta R.T. 0.01 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

Instrument :

BNA_M

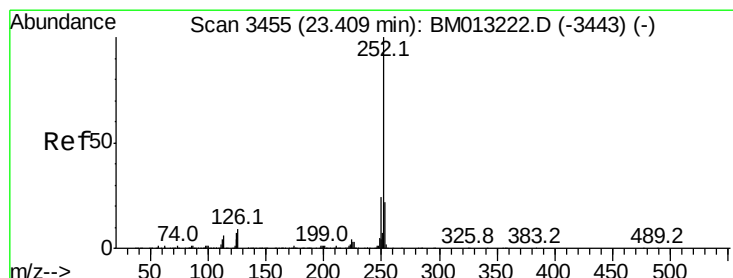
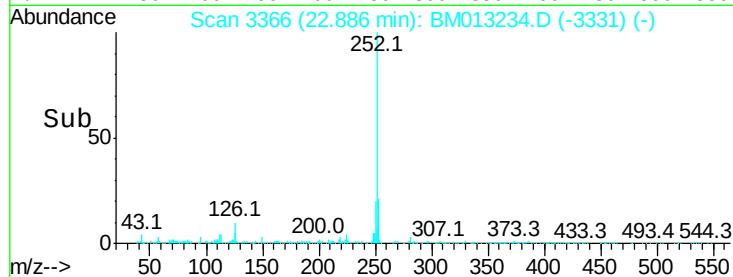
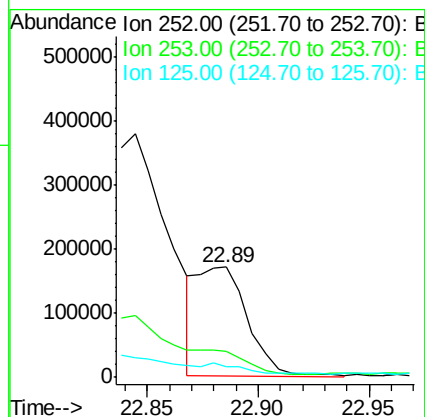
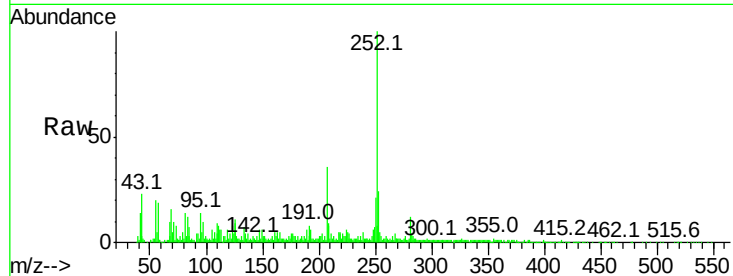
ClientSampleId :

C0280

Tot Ion:	252	Resp:	266870
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.1	25.7
125	9.3	3.4	5.2#

Manual Integrations
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#88

Benzo(a)pyrene

Concen: 6.268 ng/ul

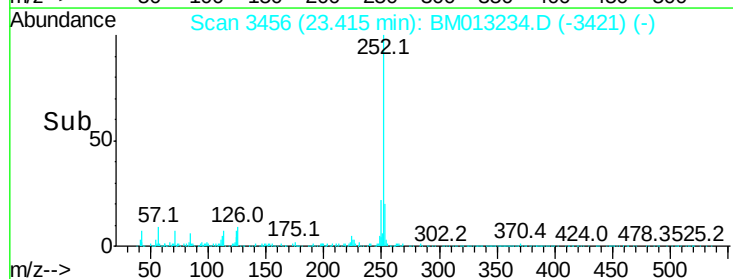
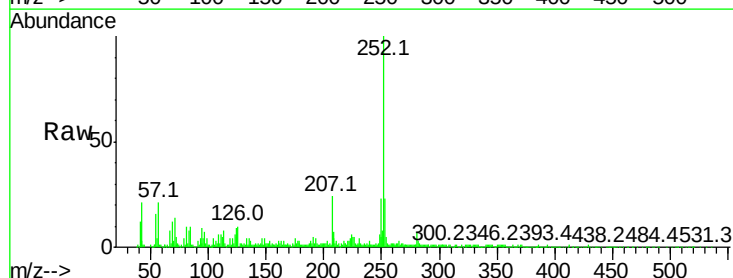
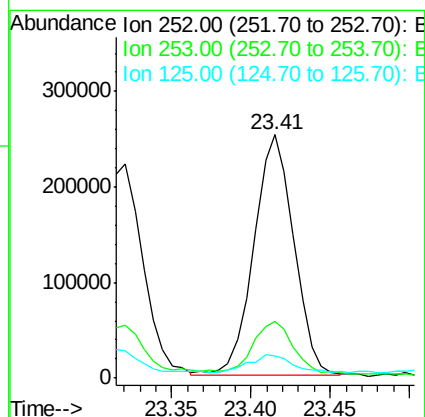
RT: 23.41 min Scan# 3456

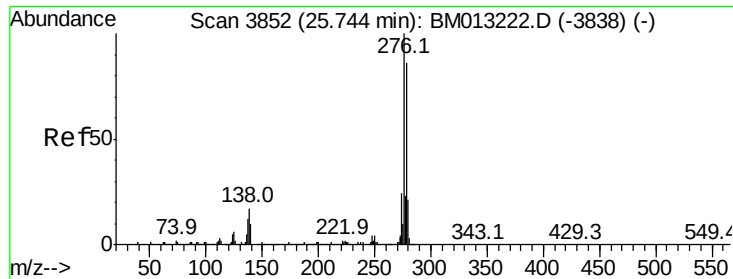
Delta R.T. 0.01 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

Tgt Ion:	252	Resp:	440220
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.2	27.2
125	8.9	4.0	6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 4.405 ng/ul

RT: 25.75 min Scan# 3853

Delta R.T. 0.01 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

Instrument :

BNA_M

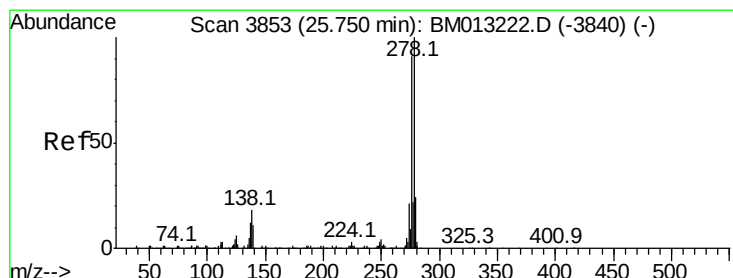
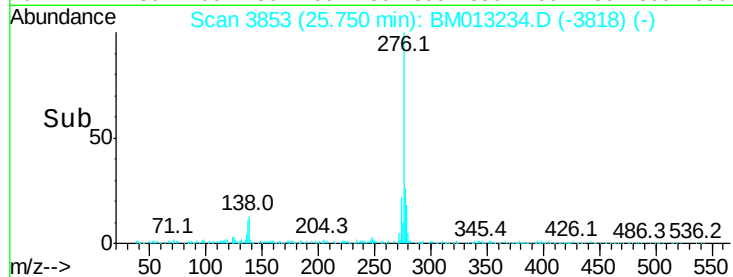
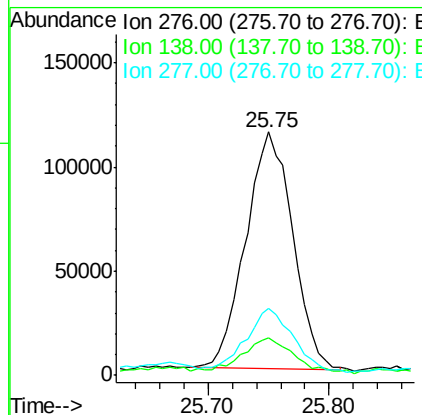
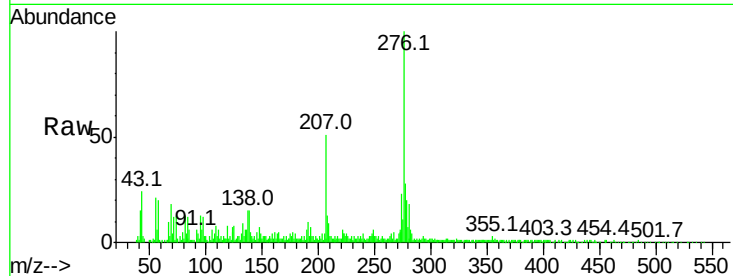
ClientSampleId :

C0280

Tot Ion:	276	Resp:	306978
Ion Ratio	Lower	Upper	
276	100		
138	15.4	9.3	13.9#
277	27.6	19.9	29.9

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 1.353 ng/ul m

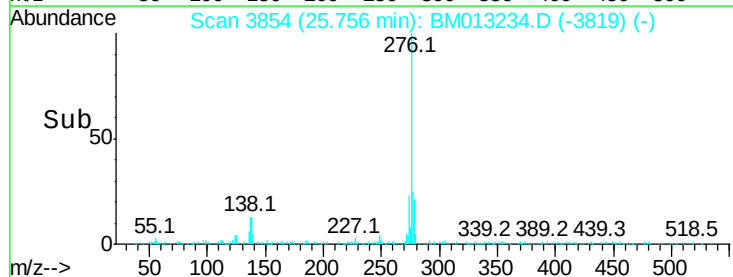
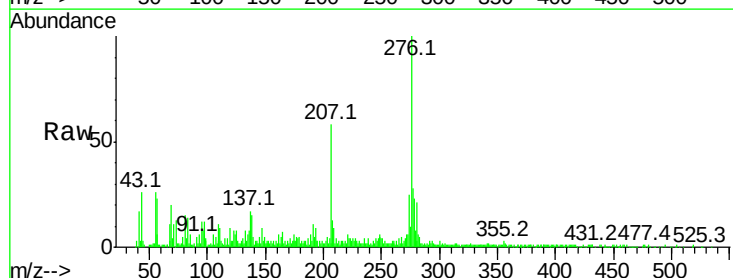
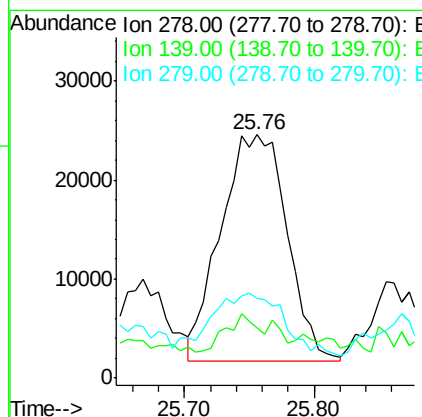
RT: 25.76 min Scan# 3854

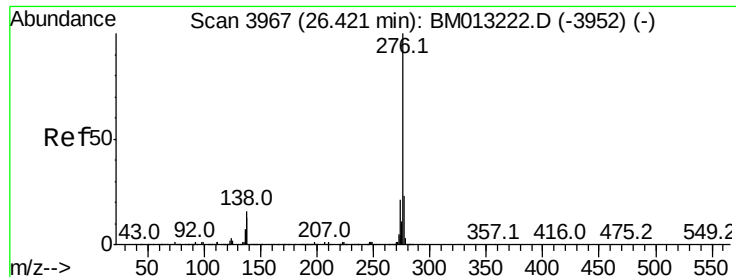
Delta R.T. 0.01 min

Lab File: BM013234.D

Acq: 07 Dec 2017 05:52

Tgt Ion:	278	Resp:	80298
Ion Ratio	Lower	Upper	
278	100		
139	20.5	5.8	8.8#
279	32.9	18.6	27.8#





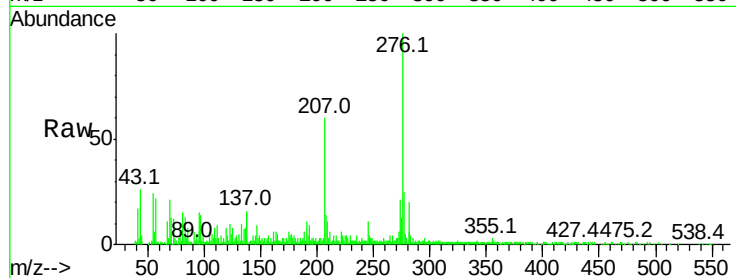
#91
 Benzo(a,h,i)perylene
 Concen: 5.862 ng/ul
 RT: 26.43 min Scan# 3969
 Delta R.T. 0.01 min
 Lab File: BM013234.D
 Acq: 07 Dec 2017 05:52

Instrument :
 BNA_M
 ClientSampleId :
 C0280

Tot Ion:	276	Resp:	322242
Ion Ratio	Lower	Upper	
276	100		
138	15.4	8.5	12.7#
277	24.5	18.6	28.0

Manual Integrations
 APPROVED

Sohil
 12/7/2017 11:41:34 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

