

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
 Data File : BM013492.D
 Acq On : 18 Dec 2017 11:14
 Operator : SJ/JU
 Sample : I6776-04ME
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A56ME

Manual Integrations
 APPROVED

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Quant Time: Dec 18 16:45:13 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	186557	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	821096	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	485180	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	1146464	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1021851m	20.00	ng/ul	0.02
83) Perylene-d12	23.49	264	831636	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	18144	4.82	ng/uL	0.00
5) Phenol-d5	6.85	99	456221	28.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	270528	29.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	372445	29.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	405676	29.42	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	199136	30.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	219894	31.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	430013	29.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	355388	26.93	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1433929	33.21	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	1809415	33.96	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	207648	27.68	ng/ul	0.00
57) Fluorene-d10	15.32	176	1271772	34.25	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	138484	19.20	ng/ul	0.00
70) Anthracene-d10	17.16	188	2057607	35.84	ng/ul	0.00
76) Pyrene-d10	19.50	212	2251504	44.23	ng/ul	0.04
87) Benzo(a)pyrene-d12	23.35	264	1484697	35.05	ng/ul	0.01

Target Compounds

					Qvalue	
44) Dimethylphthalate	13.78	163	212223	5.139	ng/ul	98
47) Acenaphthylene	14.04	152	656137	13.308	ng/ul	99
49) Acenaphthene	14.38	153	34619	1.031	ng/ul	94
58) Fluorene	15.37	166	48380	1.179	ng/ul	92
68) Pentachlorophenol	16.72	266	88960	10.349	ng/ul	97
69) Phenanthrene	17.11	178	454835	6.983	ng/ul	99
71) Anthracene	17.20	178	1465164	22.007	ng/ul	99
72) Carbazole	17.47	167	71363	1.246	ng/ul#	64
74) Fluoranthene	19.14	202	34201896m	428.496	ng/ul	
77) Pyrene	19.51	202	37772251m	608.442	ng/ul	
80) Benzo(a)anthracene	21.26	228	14938543	230.412	ng/ul	94
81) Bis(2-ethylhexyl)phthalate	21.18	149	51680	1.414	ng/ul	96
82) Chrysene	21.31	228	16978367m	282.269	ng/ul	
85) Benzo(b)fluoranthene	22.84	252	11612195	207.132	ng/ul#	97
86) Benzo(k)fluoranthene	22.87	252	3029544	57.424	ng/ul#	98
88) Benzo(a)pyrene	23.40	252	3037145	60.308	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.72	276	1763854	35.299	ng/ul#	95
90) Dibenzo(a,h)anthracene	25.72	278	504776	11.864	ng/ul#	91
91) Benzo(g,h,i)perylene	26.40	276	1125003	28.543	ng/ul#	96

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

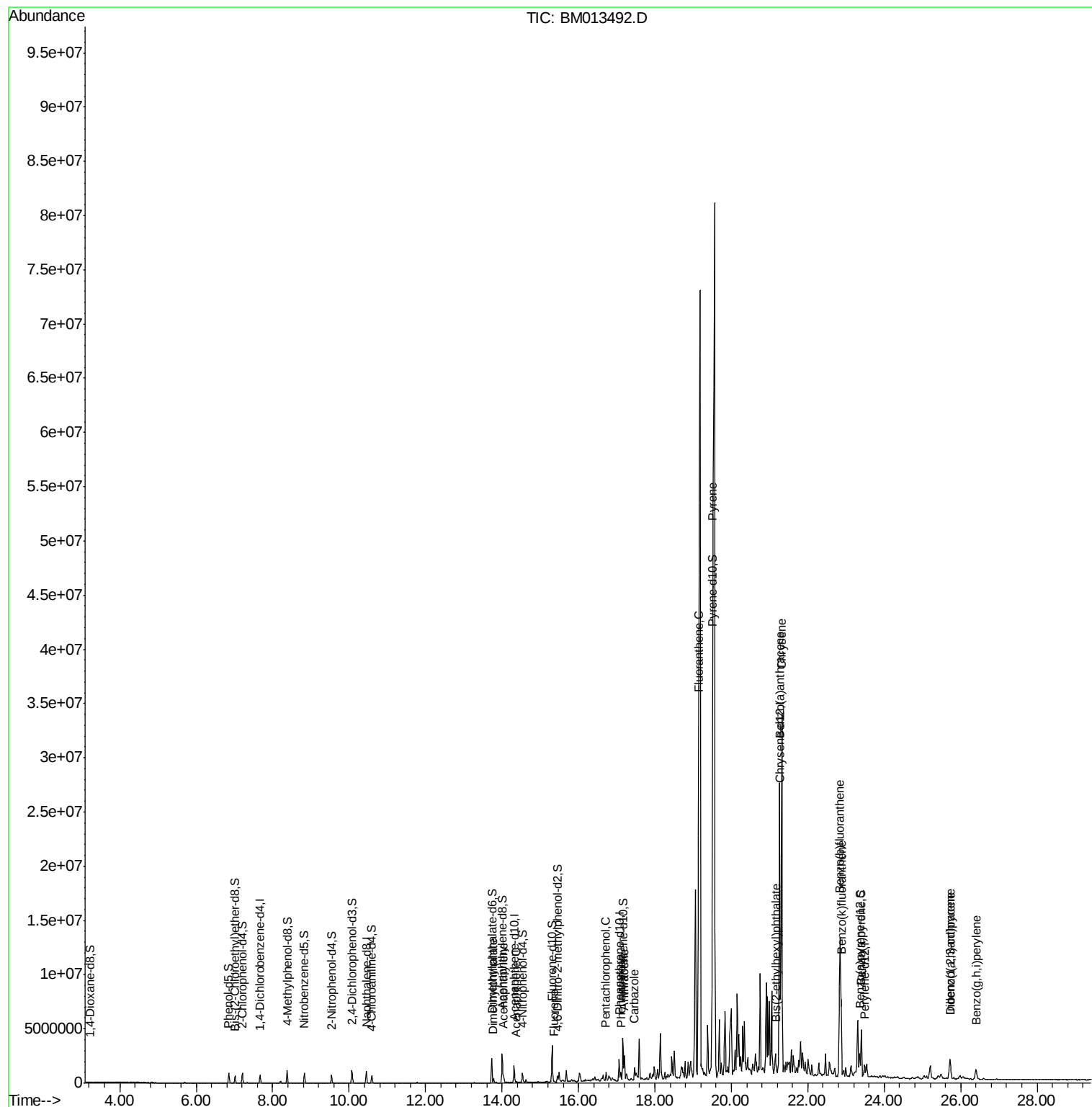
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013492.D
Acq On : 18 Dec 2017 11:14
Operator : SJ/JU
Sample : I6776-04ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

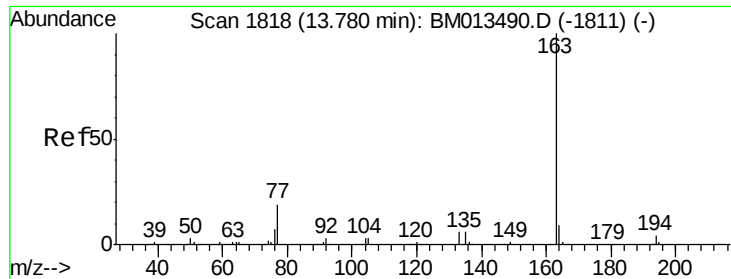
Instrument :
BNA_M
ClientSampleId :
F9A56ME

Quant Time: Dec 18 16:45:13 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

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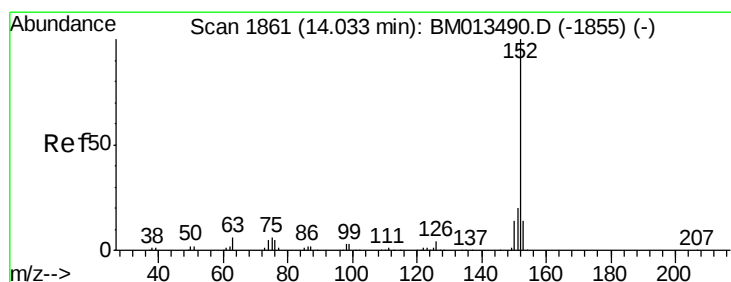
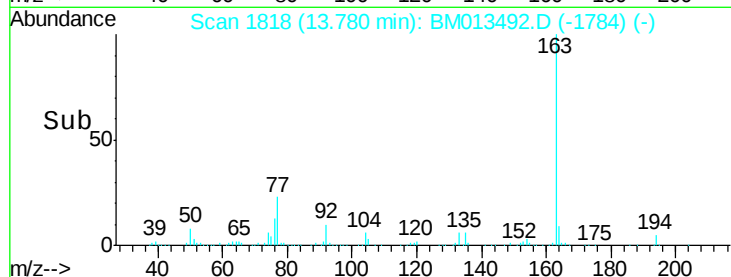
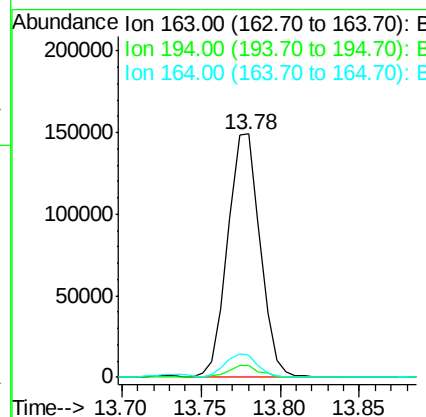
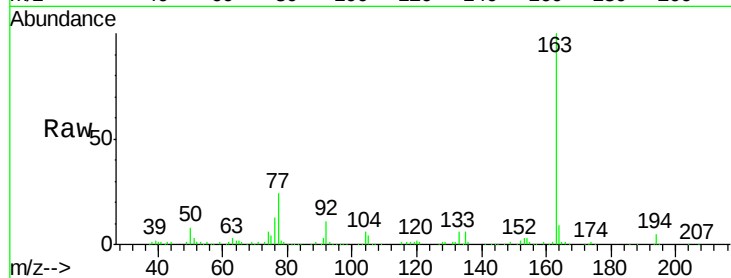
#44
Dimethylphthalate
Concen: 5.139 ng/ul
RT: 13.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

Instrument :
BNA_M
ClientSampleId :
F9A56ME

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	212223		
194	4.7	3.5	5.3	
164	9.3	8.2	12.4	

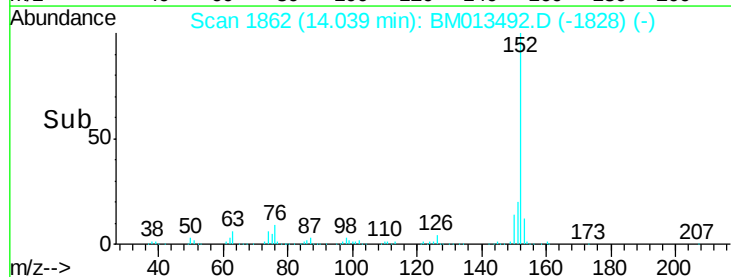
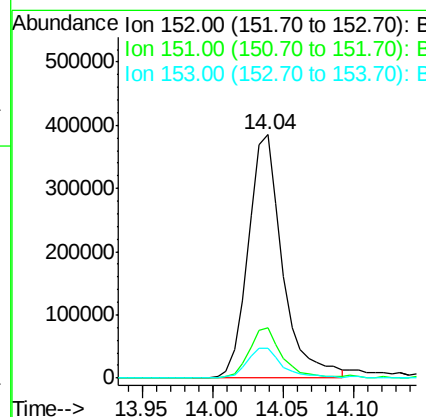
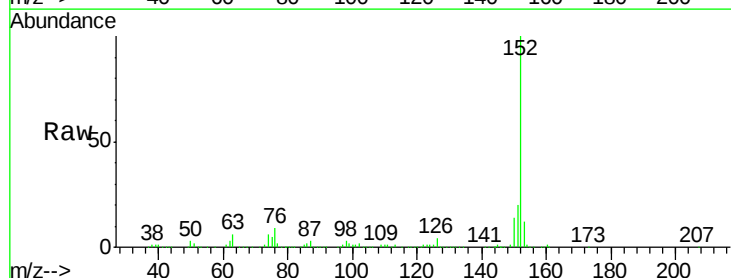
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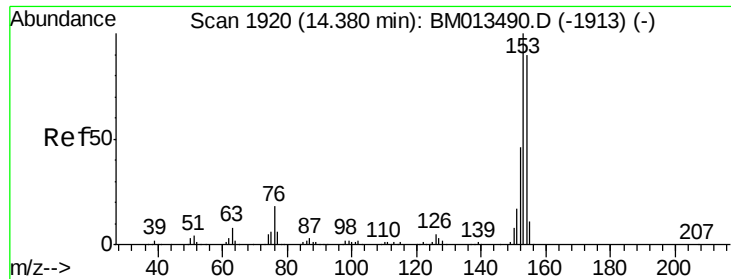
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#47
Acenaphthylene
Concen: 13.308 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. -0.00 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	656137		
151	20.5	16.3	24.5	
153	12.2	10.2	15.4	





#49

Acenaphthene

Concen: 1.031 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM013492.D

Acq: 18 Dec 2017 11:14

Instrument :

BNA_M

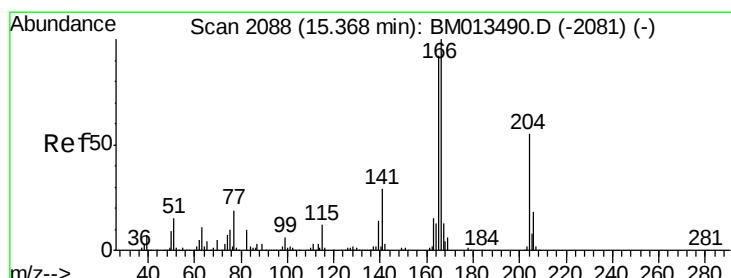
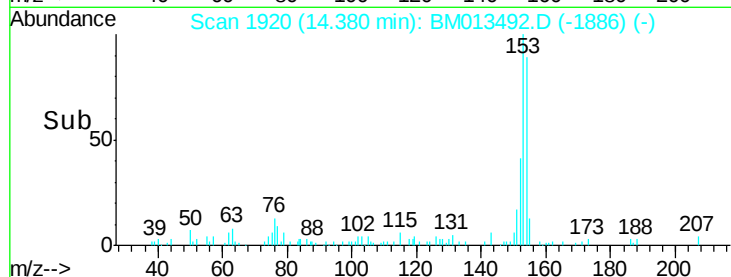
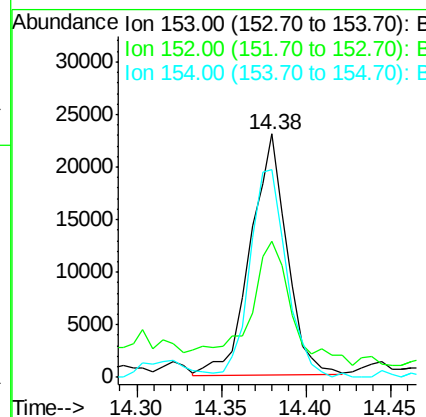
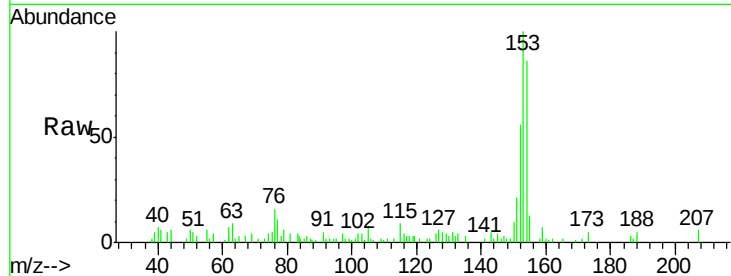
ClientSampleId :

F9A56ME

Tgt Ion:	153	Resp:	34619
Ion Ratio	Lower	Upper	
153	100		
152	55.9	37.6	56.4
154	85.6	70.4	105.6

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#58

Fluorene

Concen: 1.179 ng/ul

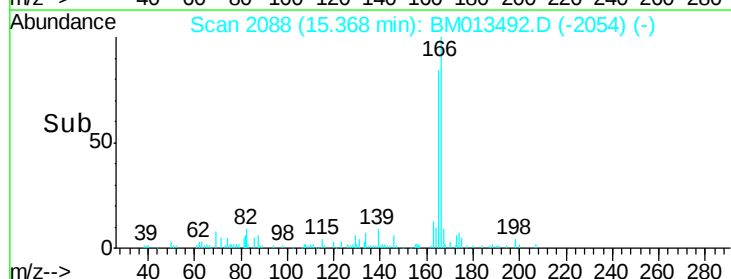
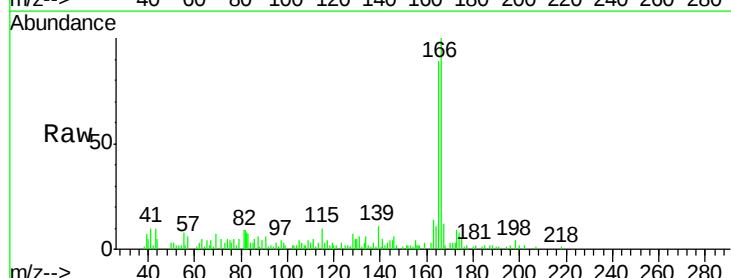
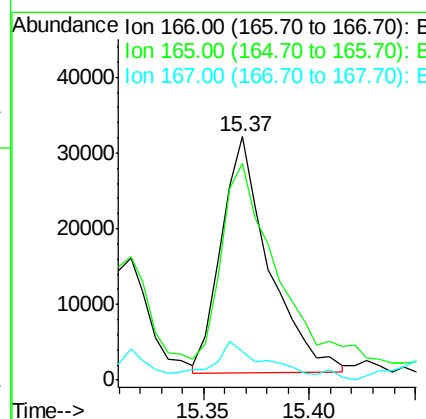
RT: 15.37 min Scan# 2088

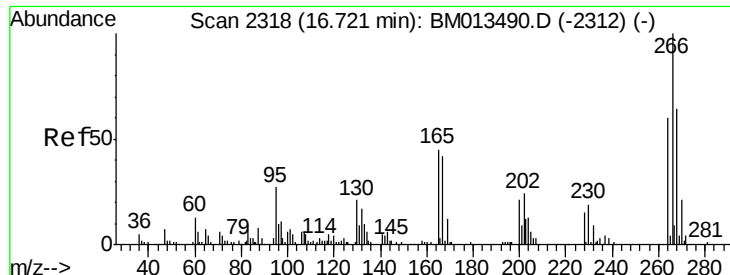
Delta R.T. -0.00 min

Lab File: BM013492.D

Acq: 18 Dec 2017 11:14

Tgt Ion:	166	Resp:	48380
Ion Ratio	Lower	Upper	
166	100		
165	89.1	77.9	116.9
167	11.7	10.6	16.0





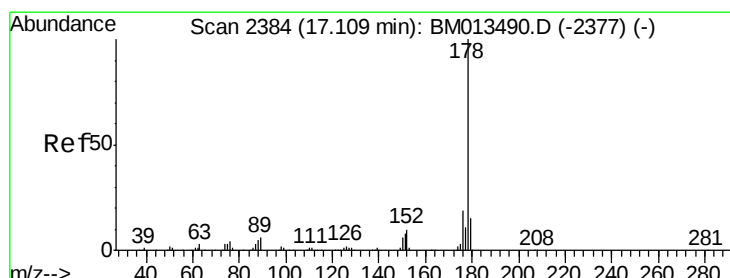
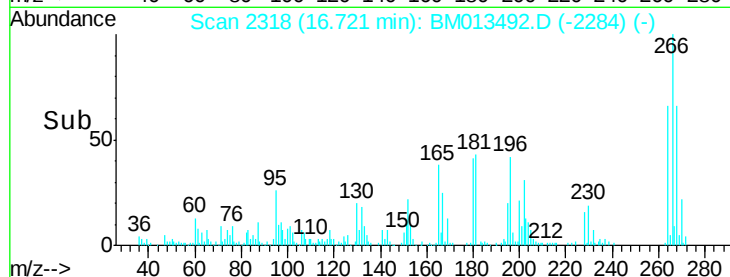
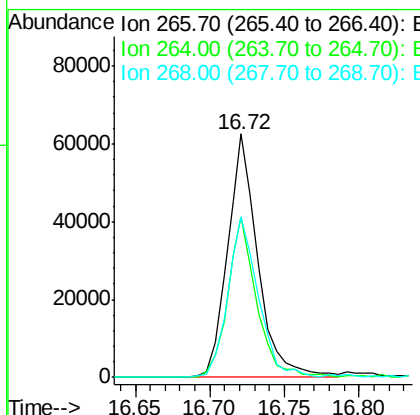
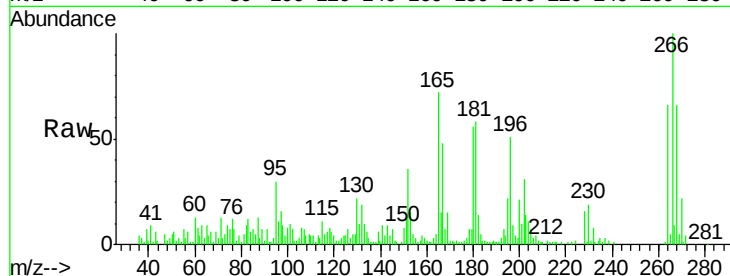
#68
 Pentachlorophenol
 Concen: 10.349 ng/ul
 RT: 16.72 min Scan# 2318
 Delta R.T. -0.00 min
 Lab File: BM013492.D
 Acq: 18 Dec 2017 11:14

Instrument :
 BNA_M
 ClientSampleId :
 F9A56ME

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	88960		
264	65.7	49.3	73.9	
268	65.7	52.6	78.8	

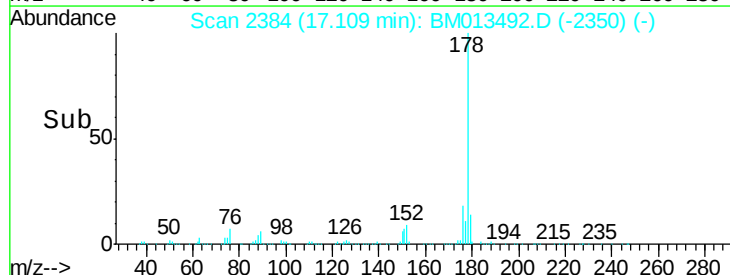
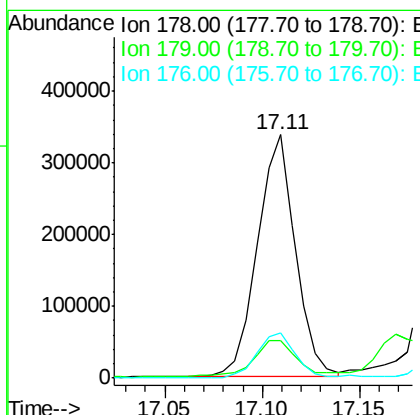
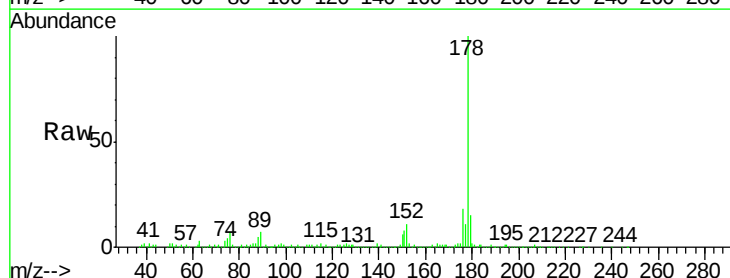
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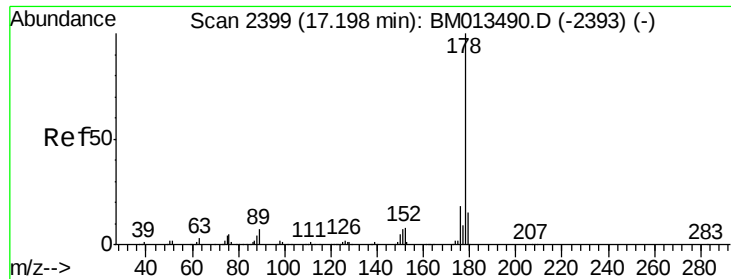
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#69
 Phenanthrene
 Concen: 6.983 ng/ul
 RT: 17.11 min Scan# 2384
 Delta R.T. -0.00 min
 Lab File: BM013492.D
 Acq: 18 Dec 2017 11:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	454835		
179	15.3	12.6	19.0	
176	18.4	14.9	22.3	





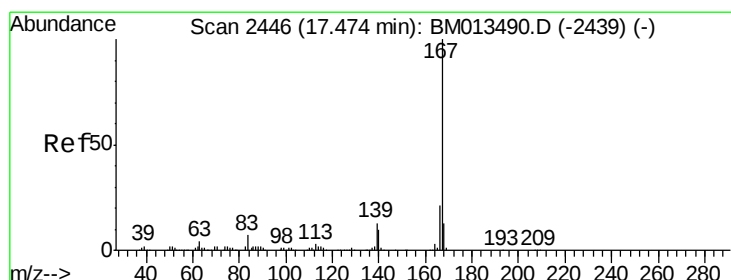
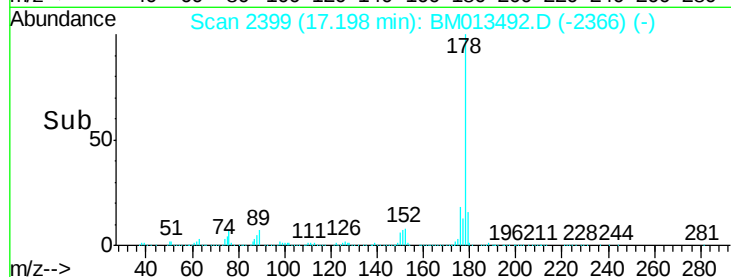
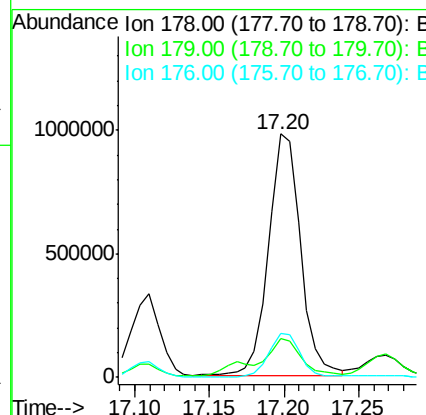
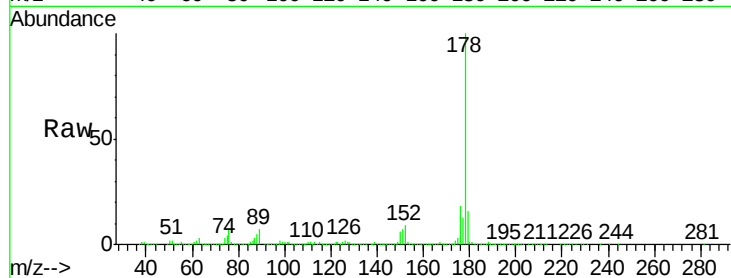
#71
 Anthracene
 Concen: 22.007 ng/ul
 RT: 17.20 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BM013492.D
 Acq: 18 Dec 2017 11:14

Instrument :
 BNA_M
 ClientSampleId :
 F9A56ME

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	11.7	17.5
176	18.2	14.6	21.8

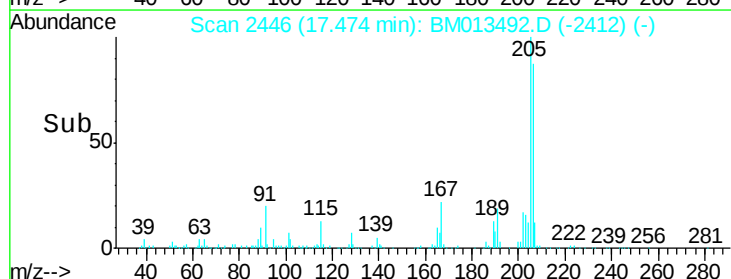
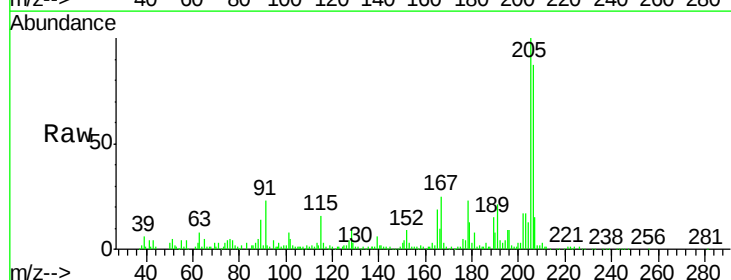
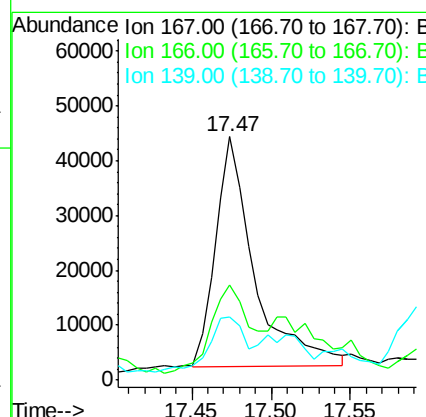
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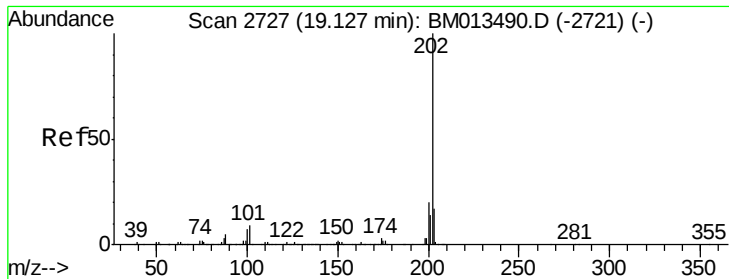
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#72
 Carbazole
 Concen: 1.246 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM013492.D
 Acq: 18 Dec 2017 11:14

Tgt Ion	Ratio	Lower	Upper
167	100		
166	39.2	17.1	25.7#
139	26.0	10.0	15.0#





#74

Fluoranthene

Concen: 428.496 ng/ul m

RT: 19.14 min Scan# 2729

Delta R.T. 0.01 min

Lab File: BM013492.D

Acq: 18 Dec 2017 11:14

Instrument :

BNA_M

ClientSampleId :

F9A56ME

Tgt Ion:202 Resp:34201896

Ion Ratio Lower Upper

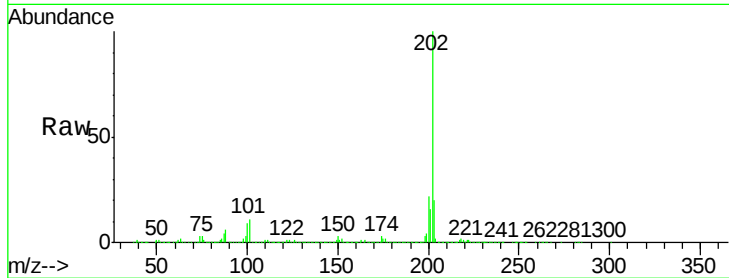
202 100

101 11.0 4.6 7.0#

100 8.8 3.4 5.2#

Manual Integrations
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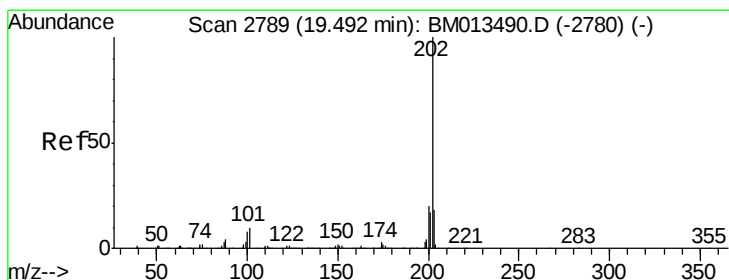
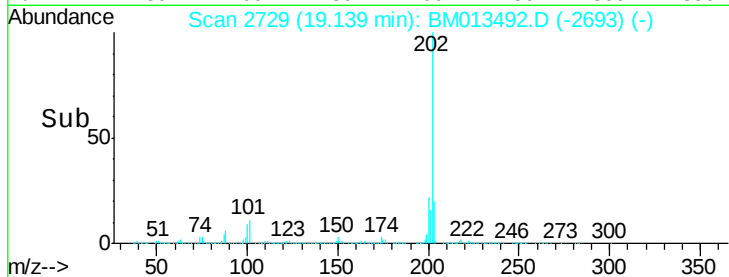
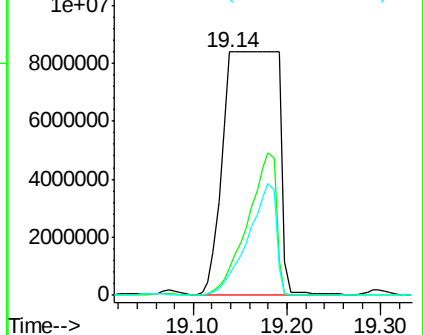
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 608.442 ng/ul m

RT: 19.51 min Scan# 2792

Delta R.T. 0.02 min

Lab File: BM013492.D

Acq: 18 Dec 2017 11:14

Tgt Ion:202 Resp:37772251

Ion Ratio Lower Upper

202 100

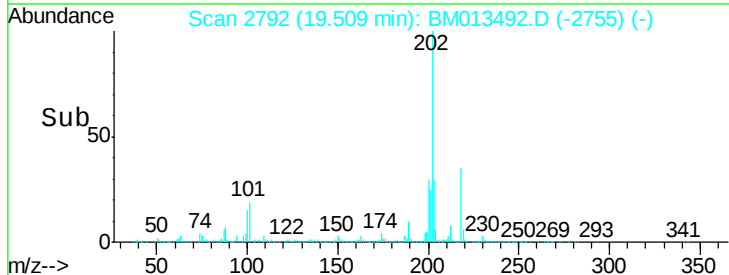
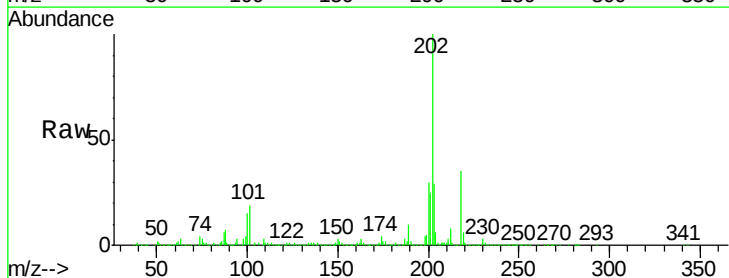
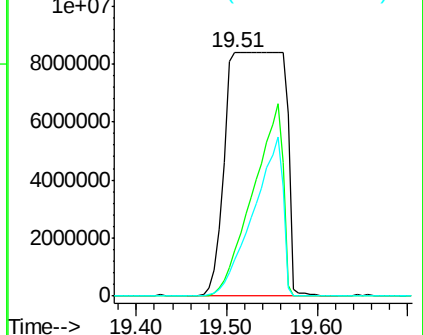
101 18.7 5.1 7.7#

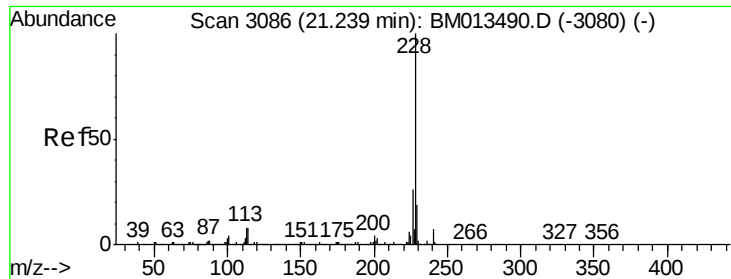
100 15.0 4.9 7.3#

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): B





#80

Benzo(a)anthracene

Concen: 230.412 ng/ul

RT: 21.26 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BM013492.D

Acq: 18 Dec 2017 11:14

Instrument :

BNA_M

ClientSampleId :

F9A56ME

Tgt Ion:228 Resp:14938543

Ion Ratio Lower Upper

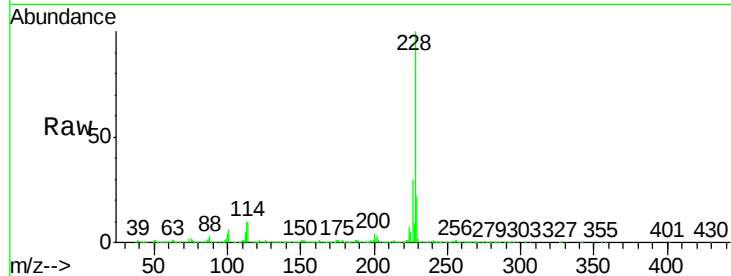
228 100

229 22.1 15.4 23.0

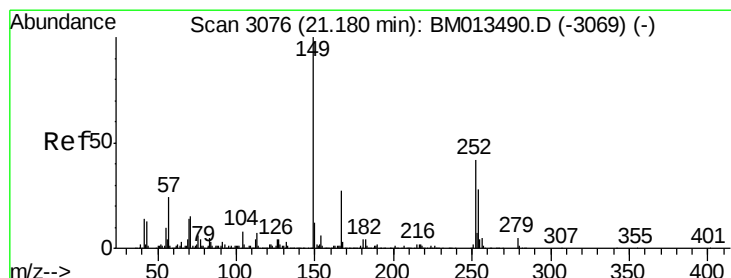
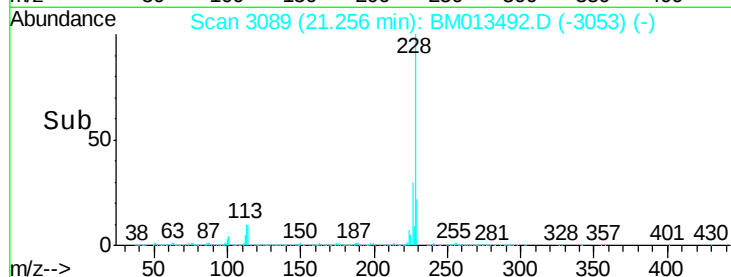
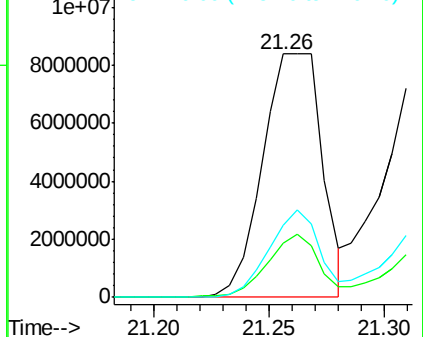
226 29.8 21.4 32.0

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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



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.414 ng/ul

RT: 21.18 min Scan# 3076

Delta R.T. -0.00 min

Lab File: BM013492.D

Acq: 18 Dec 2017 11:14

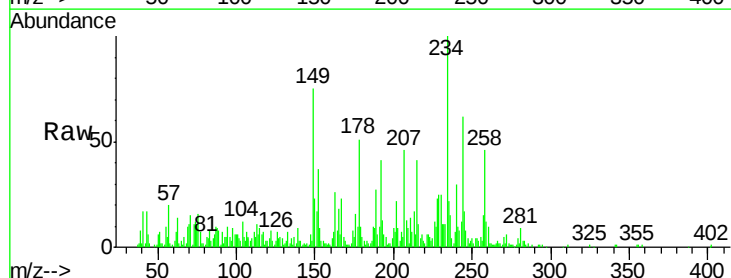
Tgt Ion:149 Resp: 51680

Ion Ratio Lower Upper

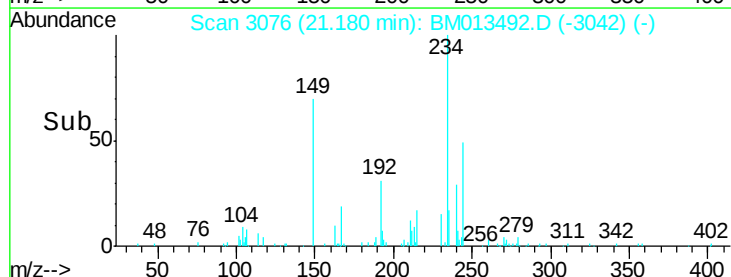
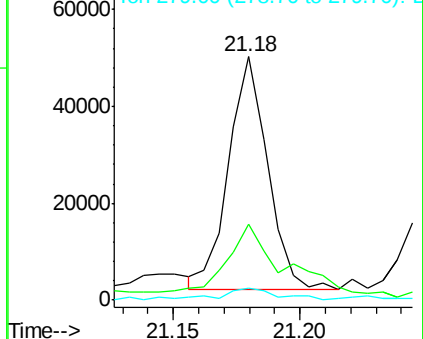
149 100

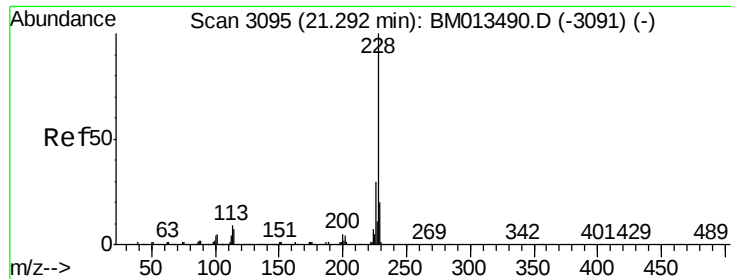
167 31.0 22.8 34.2

279 5.1 4.9 7.3



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 282.269 ng/ul m

RT: 21.31 min Scan# 3099

Delta R.T. 0.02 min

Lab File: BM013492.D

Acq: 18 Dec 2017 11:14

Instrument :

BNA_M

ClientSampleId :

F9A56ME

Tgt Ion:228 Resp:16978367

Ion Ratio Lower Upper

228 100

226 35.8 23.4 35.2#

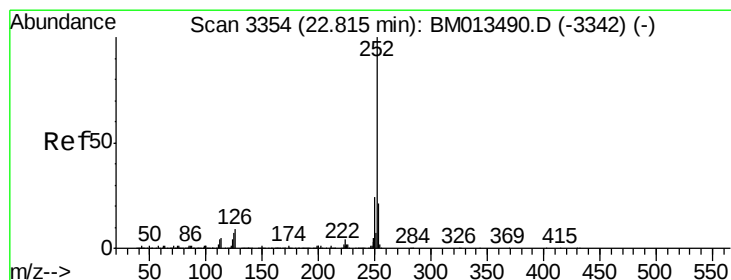
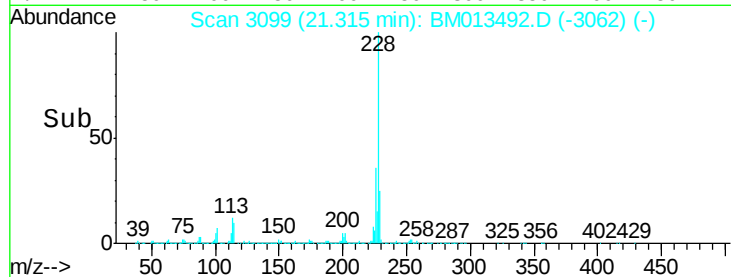
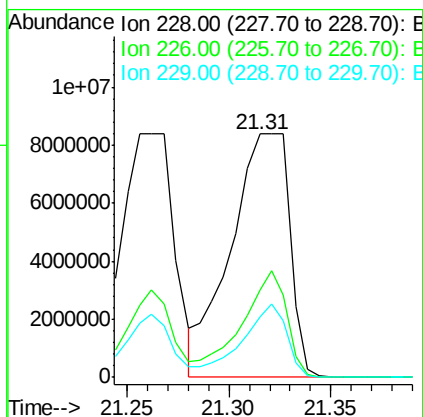
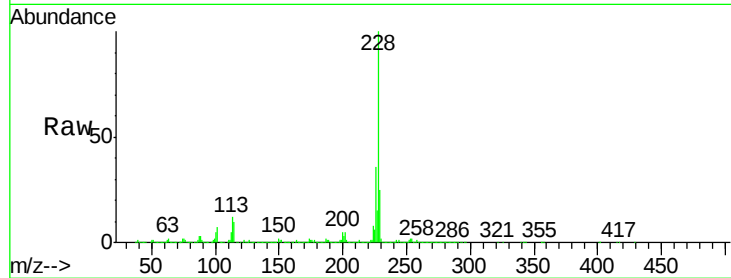
229 25.0 15.5 23.3#

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#85

Benzo(b)fluoranthene

Concen: 207.132 ng/ul

RT: 22.84 min Scan# 3358

Delta R.T. 0.02 min

Lab File: BM013492.D

Acq: 18 Dec 2017 11:14

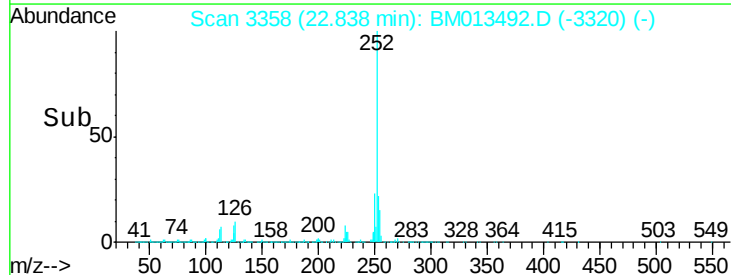
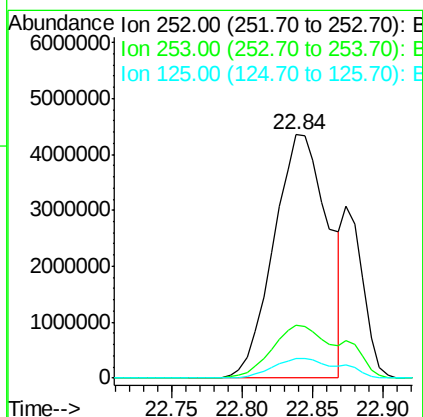
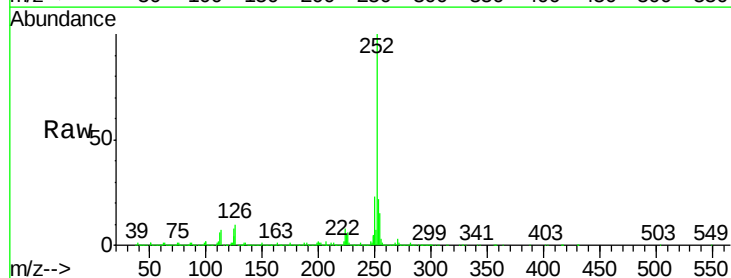
Tgt Ion:252 Resp:11612195

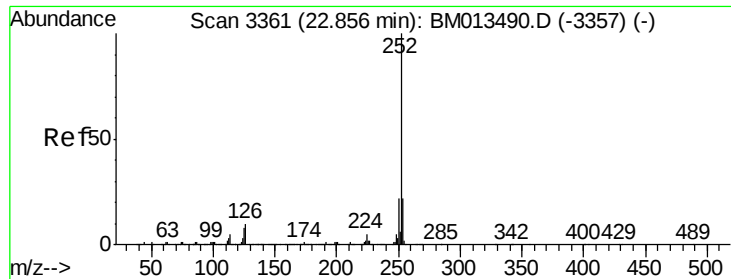
Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

125 8.2 3.6 5.4#





#86

Benzo(k)fluoranthene

Concen: 57.424 ng/u1

RT: 22.87 min Scan# 3364

Delta R.T. 0.01 min

Lab File: BM013492.D

Acq: 18 Dec 2017 11:14

Instrument :

BNA_M

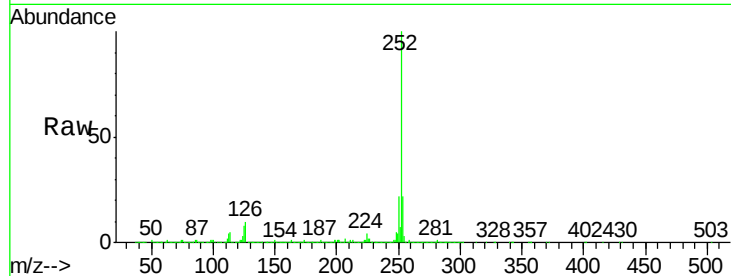
ClientSampleId :

F9A56ME

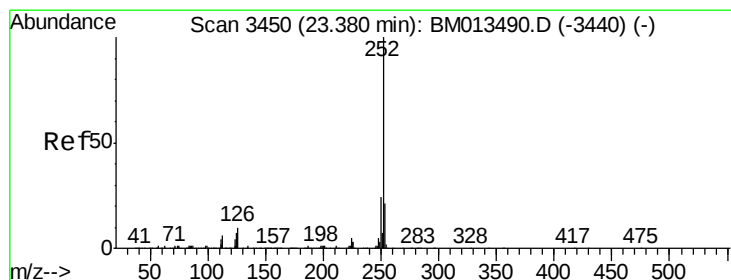
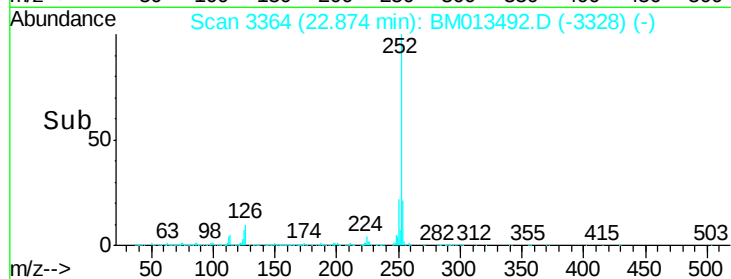
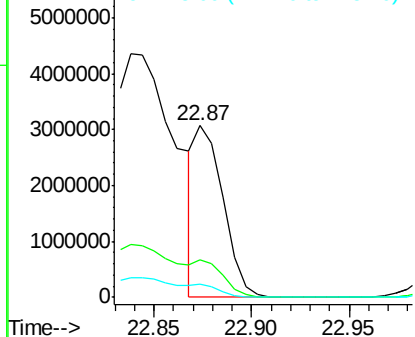
Tgt Ion:	252	Resp:	3029544
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.1	25.7
125	7.5	3.4	5.2#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(a)pyrene

Concen: 60.308 ng/u1

RT: 23.40 min Scan# 3453

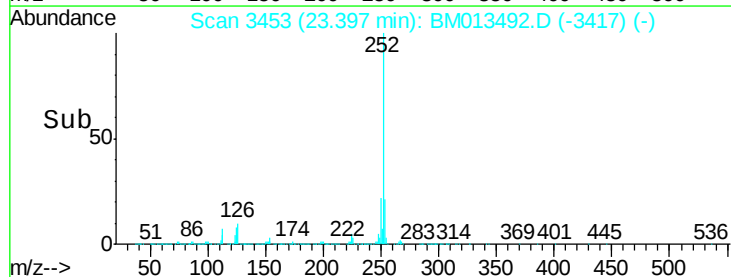
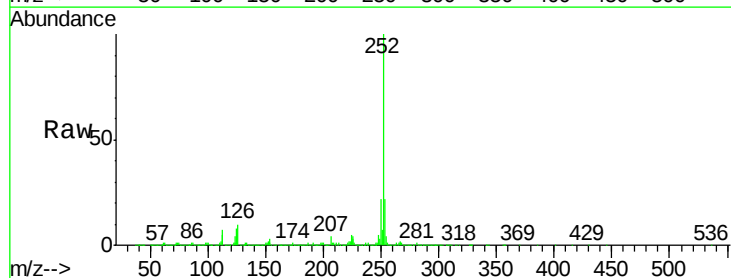
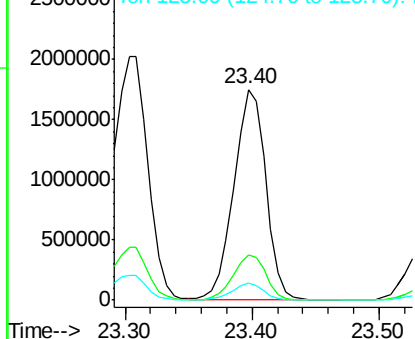
Delta R.T. 0.01 min

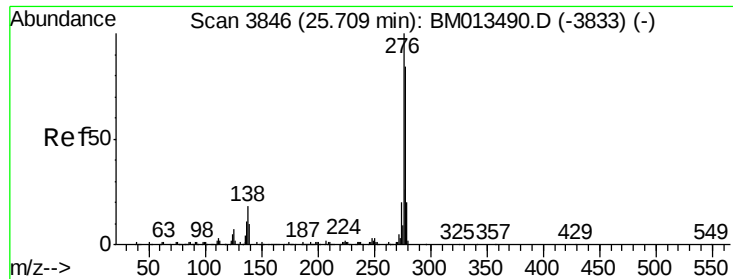
Lab File: BM013492.D

Acq: 18 Dec 2017 11:14

Tgt Ion:	252	Resp:	3037145
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.2	27.2
125	7.9	4.0	6.0#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Indeno(1,2,3-cd)pyrene

Concen: 35.299 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. 0.01 min

Lab File: BM013492.D

Acq: 18 Dec 2017 11:14

Instrument :

BNA_M

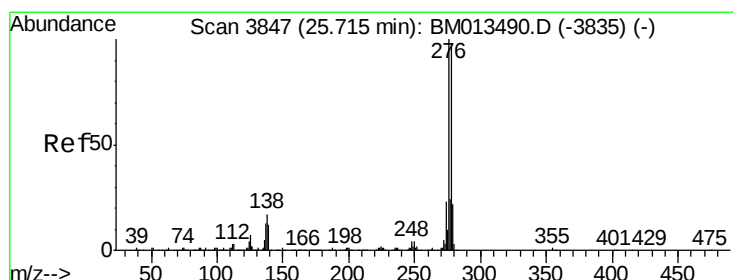
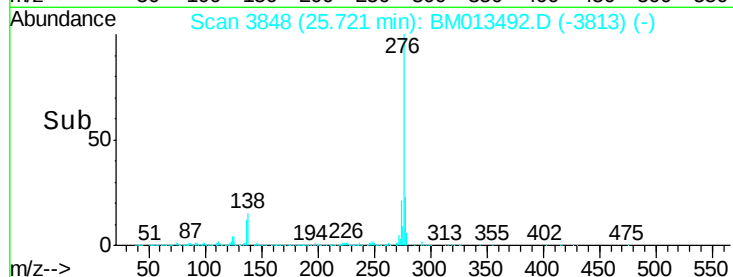
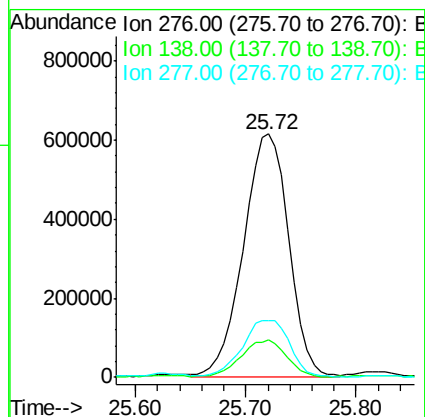
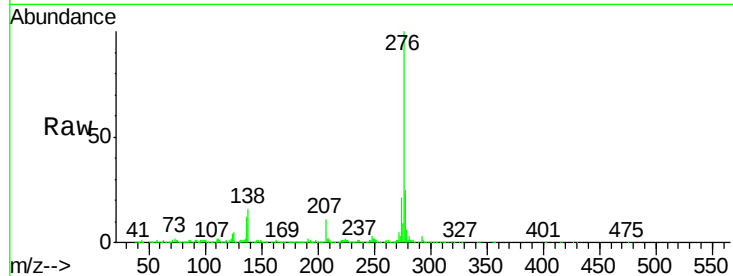
ClientSampleId :

F9A56ME

Tgt Ion:	276	Resp:	1763854
Ion Ratio	Lower	Upper	
276	100		
138	15.5	9.3	13.9#
277	23.3	19.9	29.9

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#90

Dibenzo(a,h)anthracene

Concen: 11.864 ng/ul

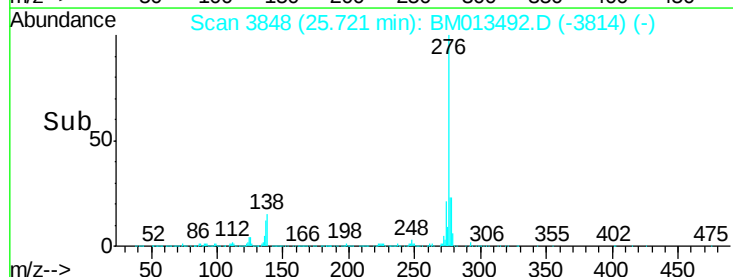
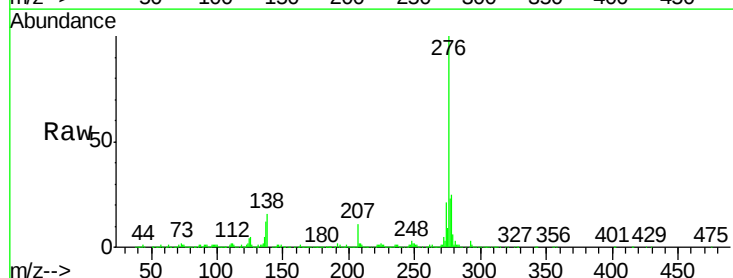
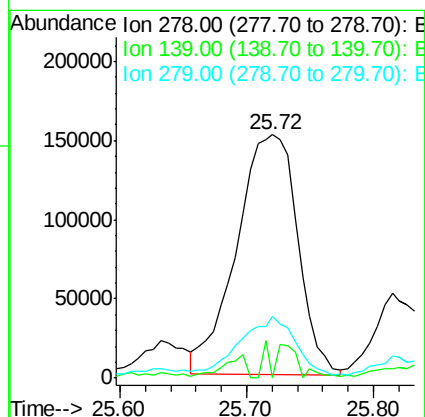
RT: 25.72 min Scan# 3848

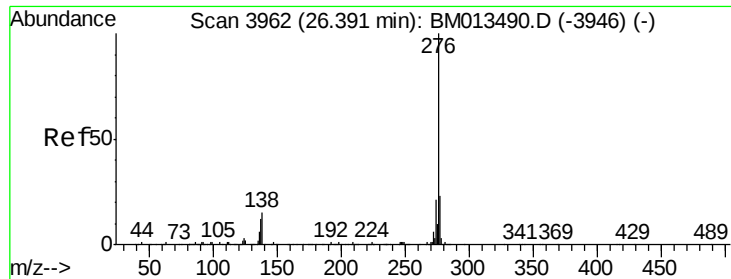
Delta R.T. -0.00 min

Lab File: BM013492.D

Acq: 18 Dec 2017 11:14

Tgt Ion:	278	Resp:	504776
Ion Ratio	Lower	Upper	
278	100		
139	0.0	5.8	8.8#
279	25.6	18.6	27.8





#91
 Benzo(g,h,i)perylene
 Concen: 28.543 ng/ul
 RT: 26.40 min Scan# 3964
 Delta R.T. 0.01 min
 Lab File: BM013492.D
 Acq: 18 Dec 2017 11:14

Instrument :
 BNA_M
 ClientSampleId :
 F9A56ME

Tgt Ion: 276 Resp: 1125003
 Ion Ratio Lower Upper
 276 100
 138 15.6 8.5 12.7#
 277 23.3 18.6 28.0

Manual Integrations
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