

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
 Data File : BM013500.D
 Acq On : 18 Dec 2017 16:00
 Operator : SJ/JU
 Sample : I6775-15MEDL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 F9A50MEDL

Manual Integrations
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Sohil
 12/19/2017 4:56:34 PM

Quant Time: Dec 19 01:43:51 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 19 00:41:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	233933	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	986304	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	563836	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1154543	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	882585	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	758002	20.00	ng/ul	0.00

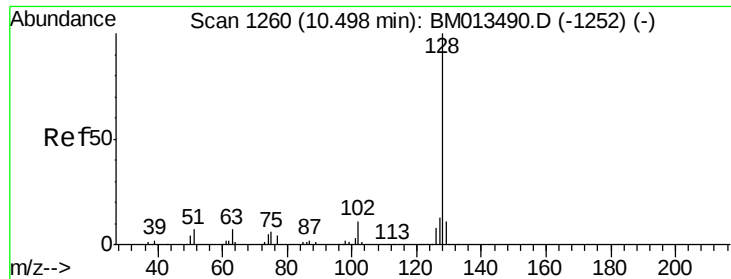
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	5075	1.07	ng/uL	0.00
5) Phenol-d5	6.85	99	137770	6.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	76446	6.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	111036	7.02	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	117299	6.78	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	60842	7.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	59728	7.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	112592	6.53	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	123677	7.80	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	347932	6.93	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	435594	7.04	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	37598m	4.31	ng/ul	0.01
57) Fluorene-d10	15.31	176	283663	6.57	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	36156	4.98	ng/ul	0.00
70) Anthracene-d10	17.16	188	409597	7.08	ng/ul	0.00
76) Pyrene-d10	19.46	212	398127	9.05	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	268337	6.95	ng/ul	0.00

Target Compounds

					Qvalue	
28) Naphthalene	10.50	128	100355	1.978	ng/ul#	95
44) Dimethylphthalate	13.78	163	59052	1.231	ng/ul	98
47) Acenaphthylene	14.04	152	272489	4.756	ng/ul	99
49) Acenaphthene	14.38	153	110022	2.819	ng/ul	94
53) Dibenzofuran	14.72	168	89474	1.553	ng/ul	98
58) Fluorene	15.37	166	63617	1.335	ng/ul	96
68) Pentachlorophenol	16.72	266	44072	5.091	ng/ul	96
69) Phenanthrene	17.11	178	735758	11.217	ng/ul	99
71) Anthracene	17.20	178	495519	7.391	ng/ul	97
72) Carbazole	17.47	167	81102	1.406	ng/ul#	95
74) Fluoranthene	19.13	202	1408704	17.525	ng/ul#	95
77) Pyrene	19.49	202	1665487	31.061	ng/ul#	92
80) Benzo(a)anthracene	21.24	228	963190	17.200	ng/ul	94
82) Chrysene	21.30	228	1385161m	26.662	ng/ul	
85) Benzo(b)fluoranthene	22.83	252	2674388	52.338	ng/ul#	98
86) Benzo(k)fluoranthene	22.86	252	817200	16.994	ng/ul#	98
88) Benzo(a)pyrene	23.39	252	1231079	26.820	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.71	276	770279	16.913	ng/ul#	95
90) Dibenzo(a,h)anthracene	25.71	278	196322	5.062	ng/ul#	93
91) Benzo(g,h,i)perylene	26.40	276	567331	15.792	ng/ul#	95

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



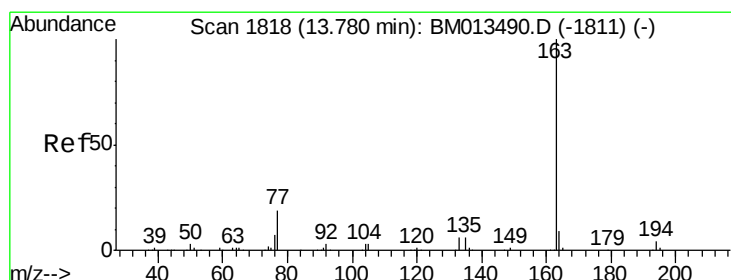
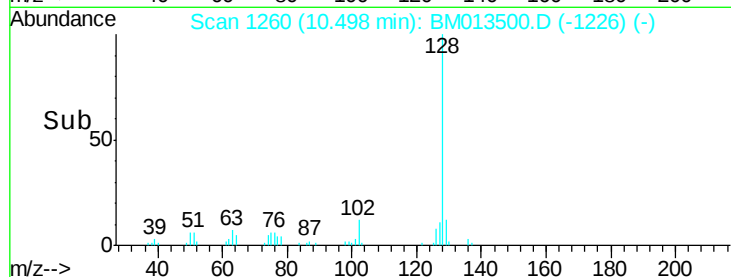
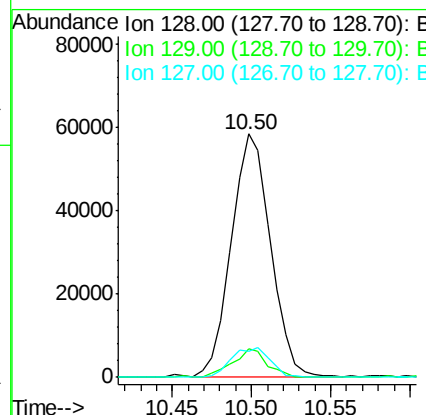
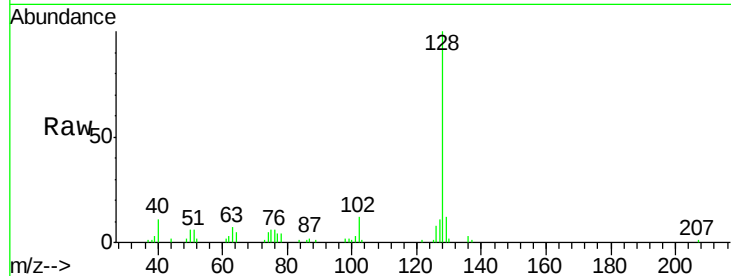
#28
Naphthalene
Concen: 1.978 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BM013500.D
Acq: 18 Dec 2017 16:00

Instrument :
BNA_M
ClientSampleId :
F9A50MEDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.9	8.8	13.2
127	10.5	10.6	16.0#

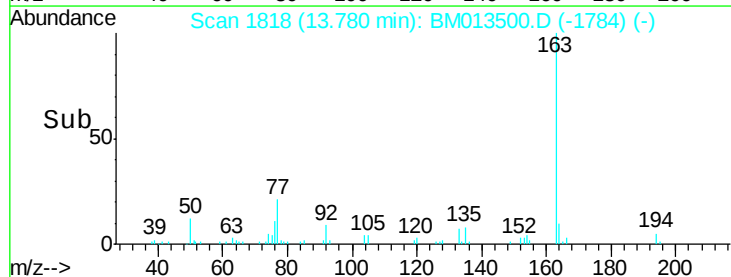
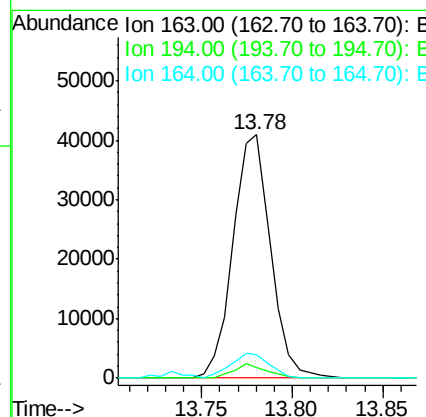
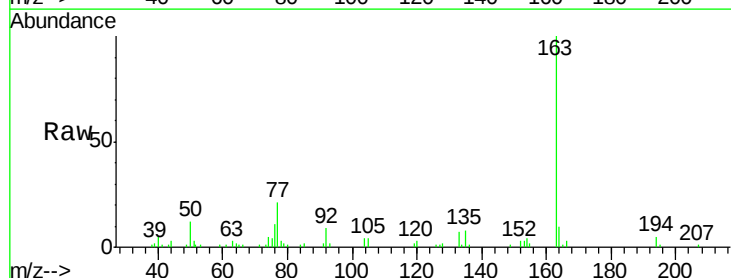
Manual Integrations
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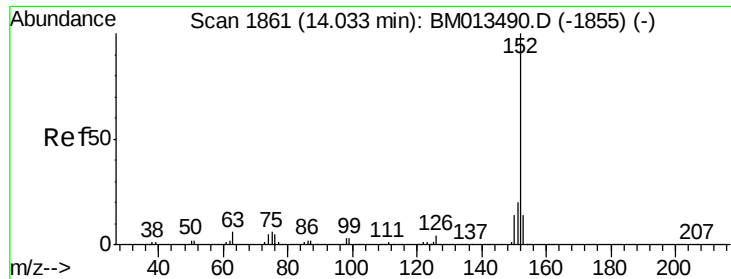
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#44
Dimethylphthalate
Concen: 1.231 ng/ul
RT: 13.78 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BM013500.D
Acq: 18 Dec 2017 16:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.5	3.5	5.3
164	9.5	8.2	12.4





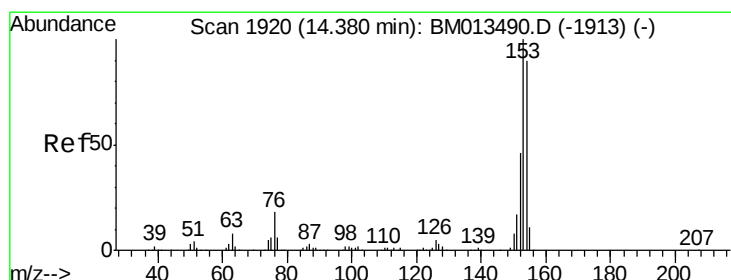
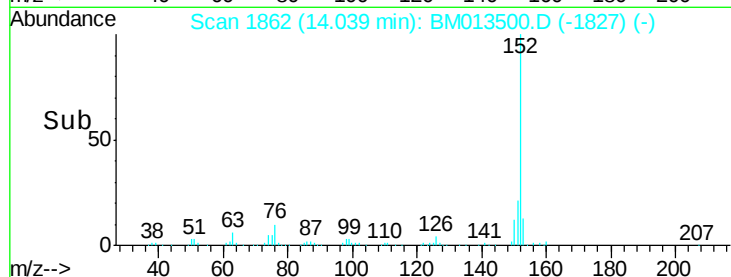
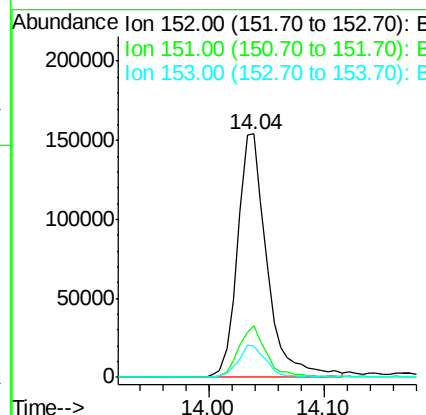
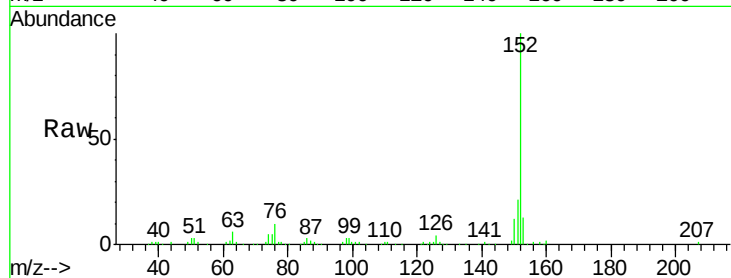
#47
Acenaphthylene
Concen: 4.756 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. 0.01 min
Lab File: BM013500.D
Acq: 18 Dec 2017 16:00

Instrument :
BNA_M
ClientSampleId :
F9A50MEDL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	272489		
151	21.4		16.3	24.5
153	12.8		10.2	15.4

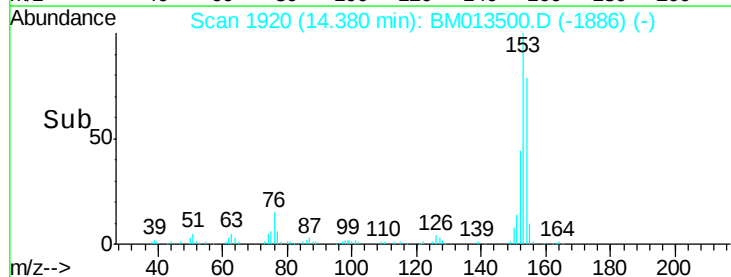
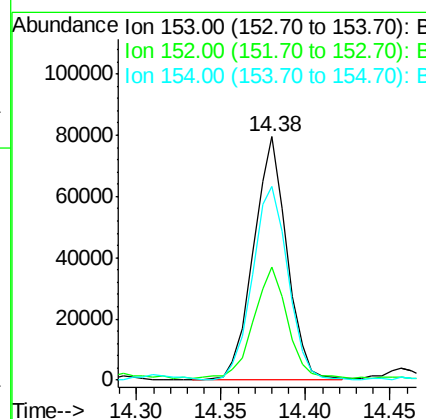
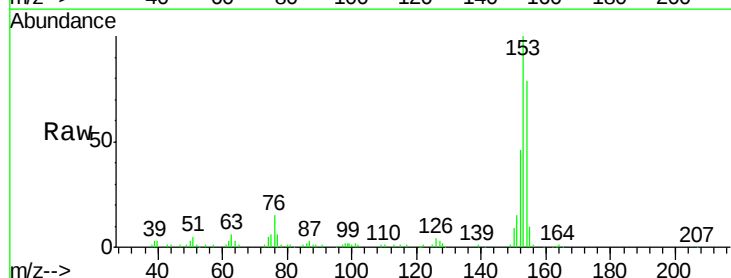
Manual Integrations
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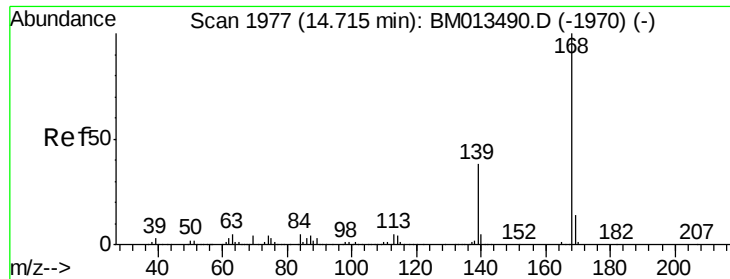
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#49
Acenaphthene
Concen: 2.819 ng/ul
RT: 14.38 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BM013500.D
Acq: 18 Dec 2017 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	110022		
152	46.5		37.6	56.4
154	79.3		70.4	105.6





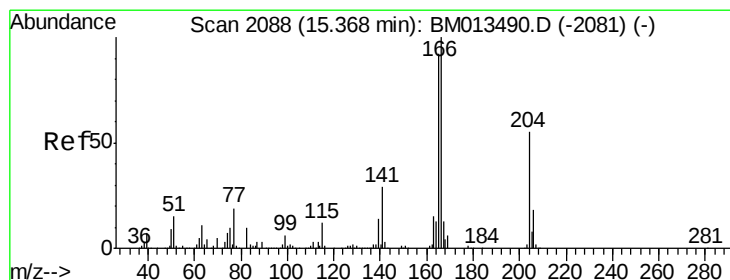
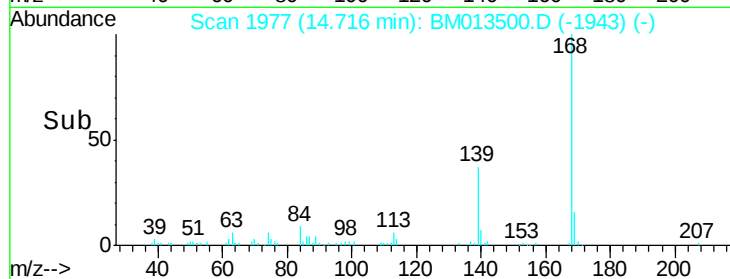
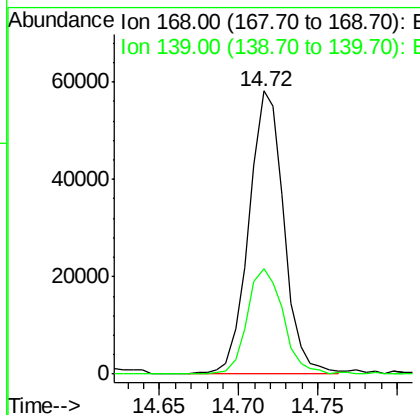
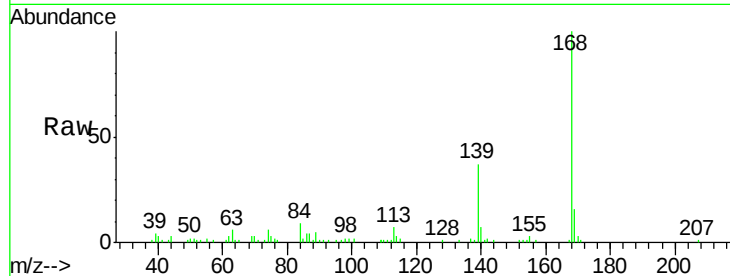
#53
Dibenzenofuran
Concen: 1.553 ng/ul
RT: 14.72 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BM013500.D
Acq: 18 Dec 2017 16:00

Instrument :
BNA_M
ClientSampleId :
F9A50MEDL

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.8	46.2

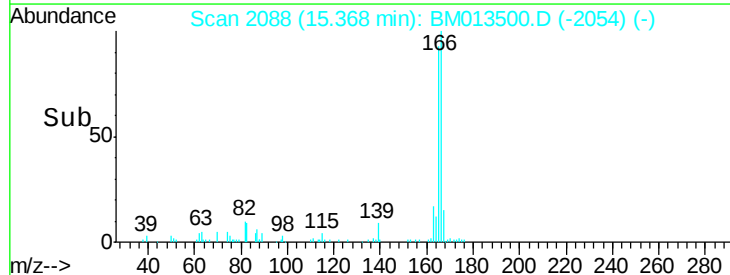
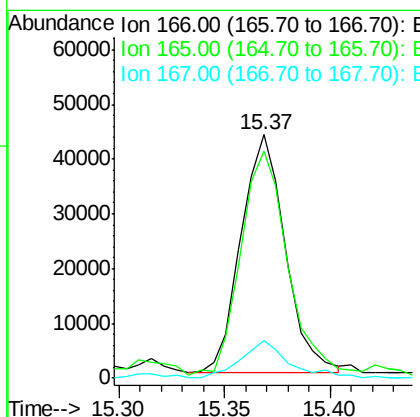
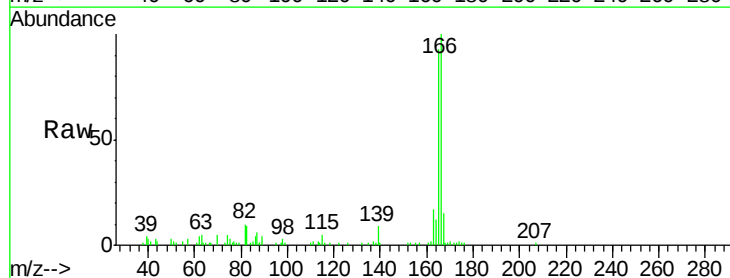
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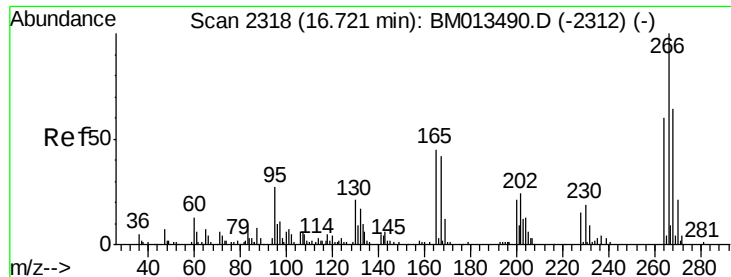
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#58
Fluorene
Concen: 1.335 ng/ul
RT: 15.37 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BM013500.D
Acq: 18 Dec 2017 16:00

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.1	77.9	116.9
167	15.4	10.6	16.0





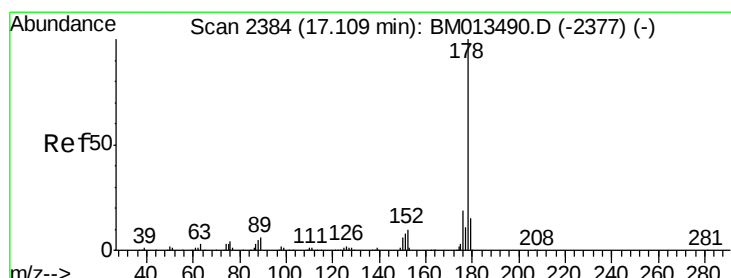
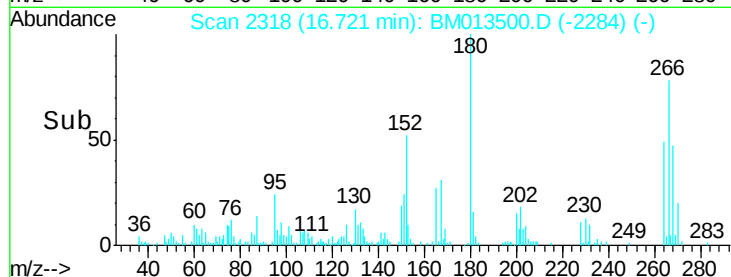
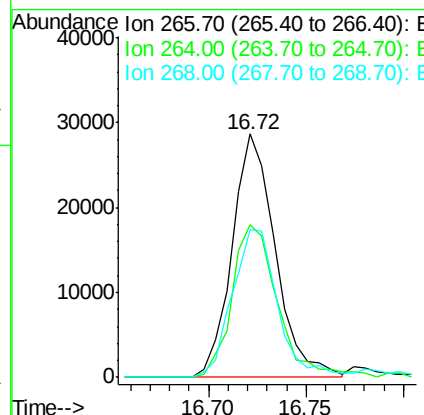
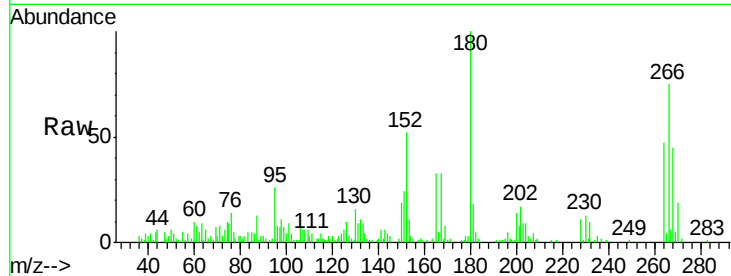
#68
 Pentachlorophenol
 Concen: 5.091 ng/ul
 RT: 16.72 min Scan# 2318
 Delta R.T. 0.00 min
 Lab File: BM013500.D
 Acq: 18 Dec 2017 16:00

Instrument :
 BNA_M
 ClientSampleId :
 F9A50MEDL

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	44072		
264	62.6	49.3	73.9	
268	60.5	52.6	78.8	

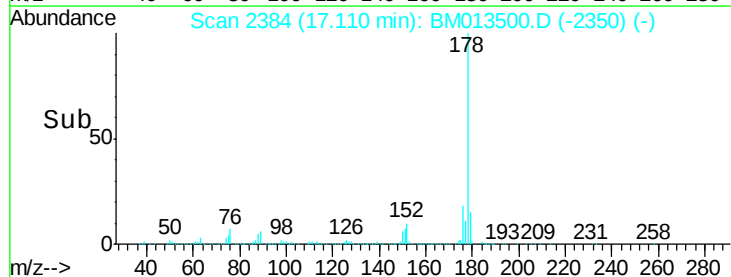
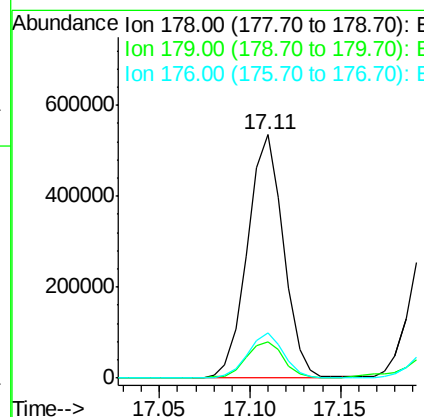
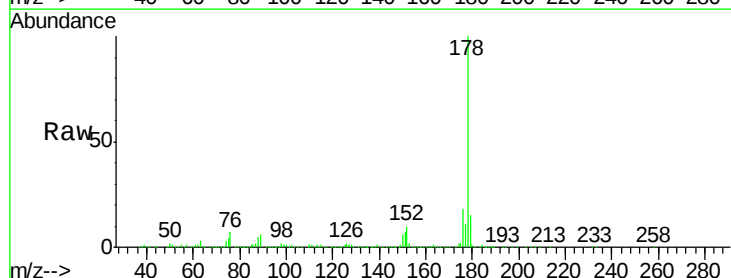
Manual Integrations
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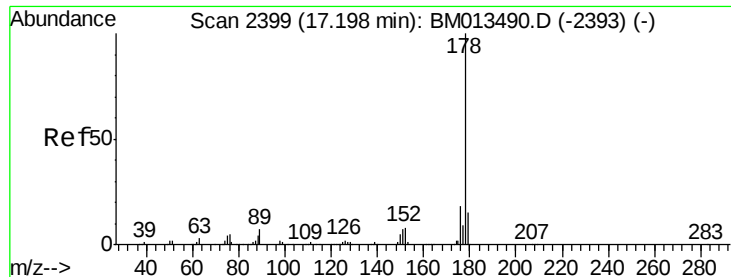
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#69
 Phenanthrene
 Concen: 11.217 ng/ul
 RT: 17.11 min Scan# 2384
 Delta R.T. 0.00 min
 Lab File: BM013500.D
 Acq: 18 Dec 2017 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	735758		
179	15.1	12.6	19.0	
176	18.3	14.9	22.3	





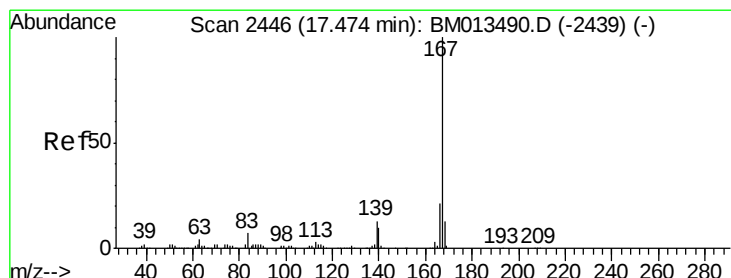
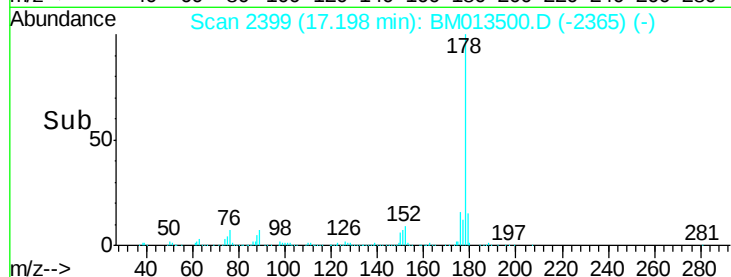
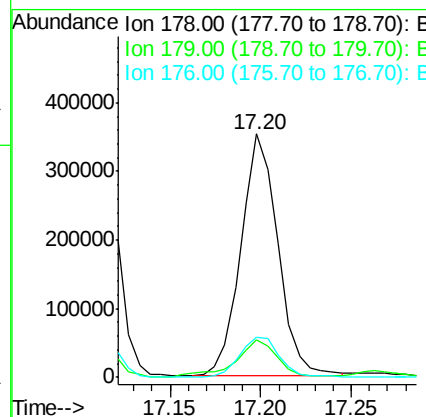
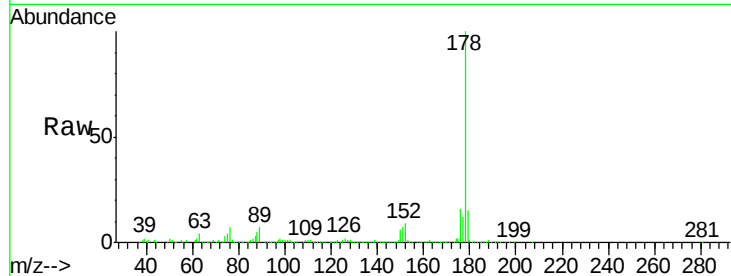
#71
 Anthracene
 Concen: 7.391 ng/ul
 RT: 17.20 min Scan# 2399
 Delta R.T. 0.00 min
 Lab File: BM013500.D
 Acq: 18 Dec 2017 16:00

Instrument :
 BNA_M
 ClientSampleId :
 F9A50MEDL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.7	17.5
176	16.3	14.6	21.8

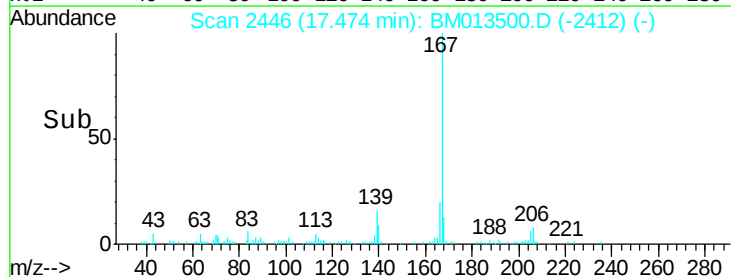
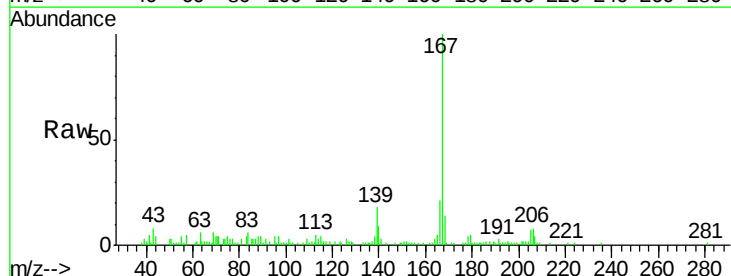
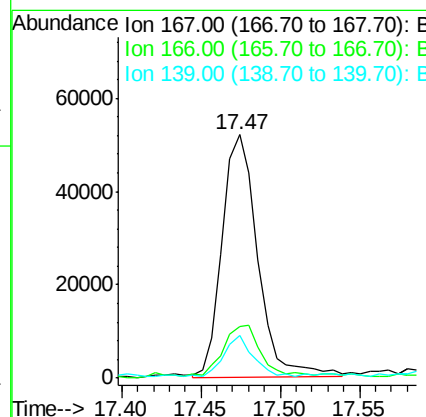
Manual Integrations
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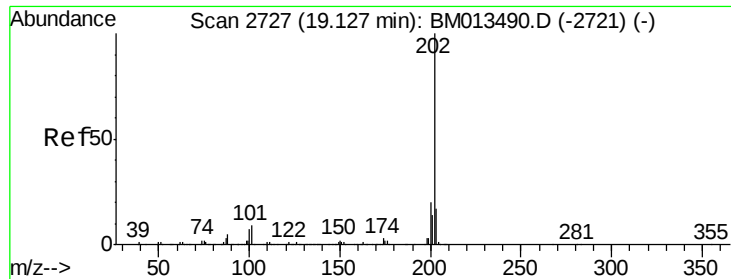
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#72
 Carbazole
 Concen: 1.406 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BM013500.D
 Acq: 18 Dec 2017 16:00

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.1	25.7
139	17.6	10.0	15.0#





#74

Fluoranthene

Concen: 17.525 ng/ul

RT: 19.13 min Scan# 2728

Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

Instrument :

BNA_M

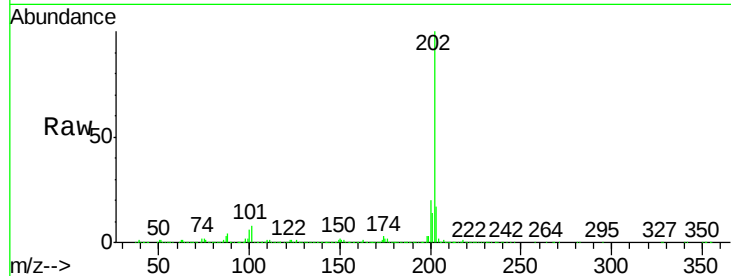
ClientSampleId :

F9A50MEDL

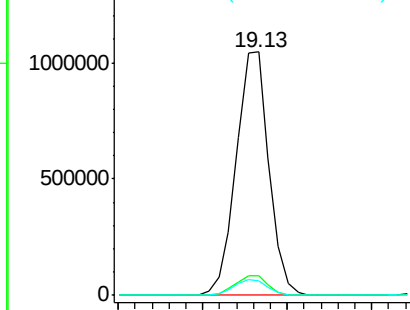
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	4.6	7.0#
100	5.8	3.4	5.2#

Manual Integrations
APPROVED

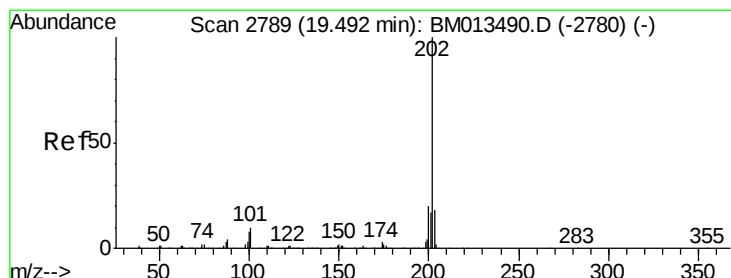
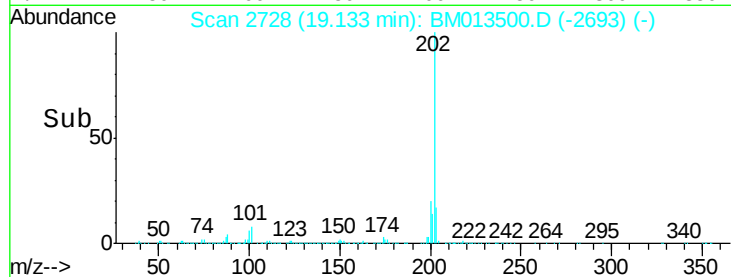
Sohil
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time--> 19.05 19.10 19.15 19.20



#77

Pyrene

Concen: 31.061 ng/ul

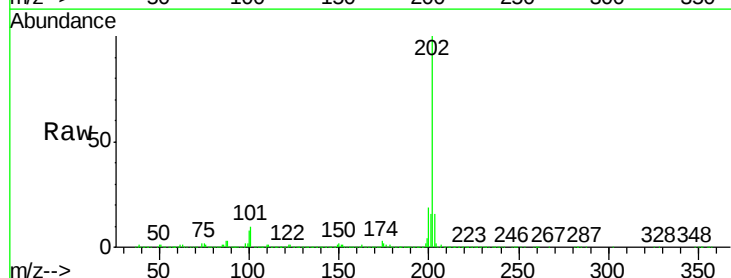
RT: 19.49 min Scan# 2789

Delta R.T. 0.00 min

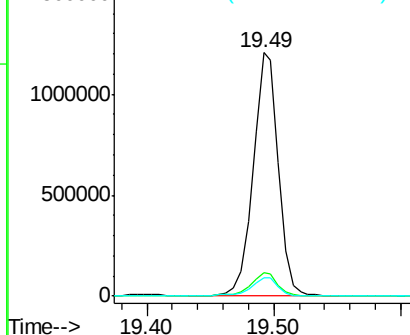
Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

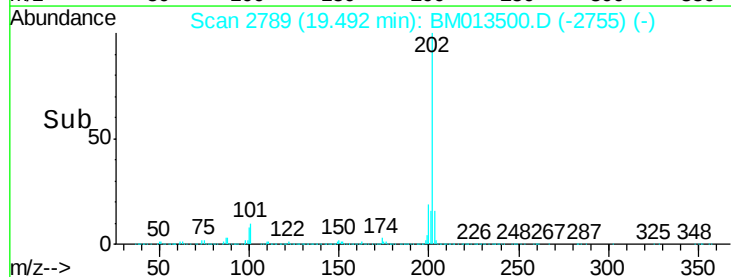
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	5.1	7.7#
100	7.8	4.9	7.3#

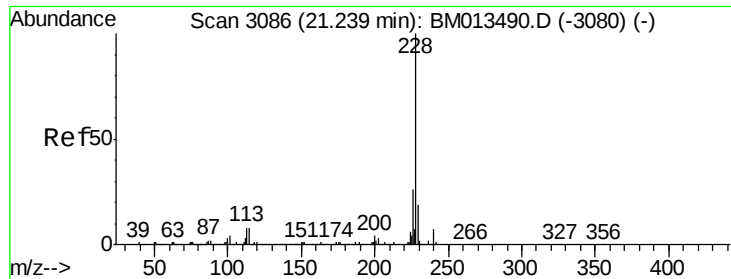


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time--> 19.40 19.50





#80

Benzo(a)anthracene

Concen: 17.200 ng/u1

RT: 21.24 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

Instrument :

BNA_M

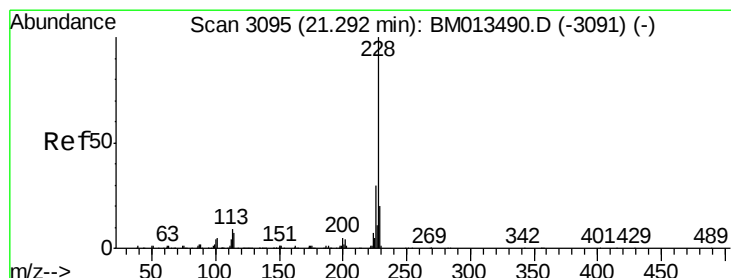
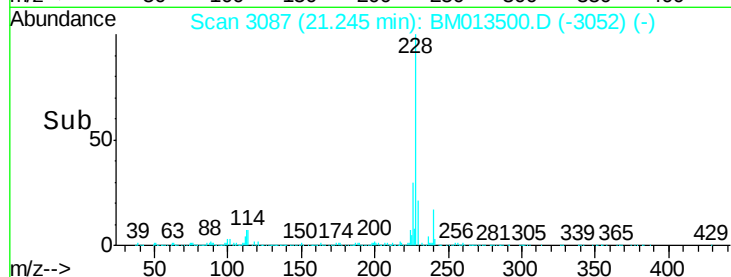
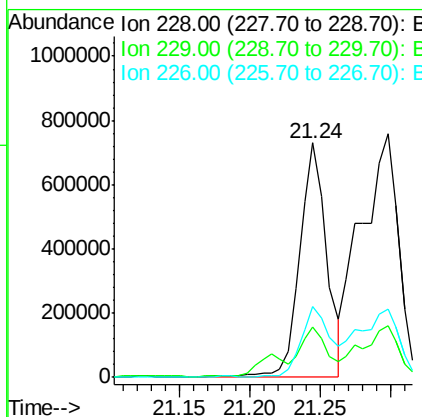
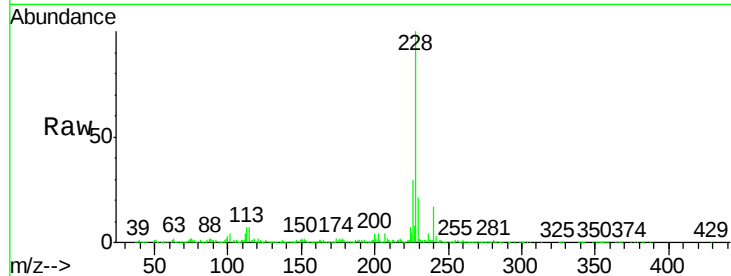
ClientSampleId :

F9A50MEDL

Tgt Ion:	228	Resp:	963190
Ion Ratio	Lower	Upper	
228	100		
229	21.4	15.4	23.0
226	30.0	21.4	32.0

Manual Integrations
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12/19/2017 4:56:34 PM



#82

Chrysene

Concen: 26.662 ng/u1 m

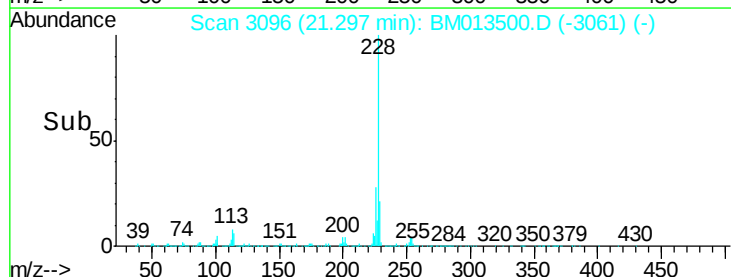
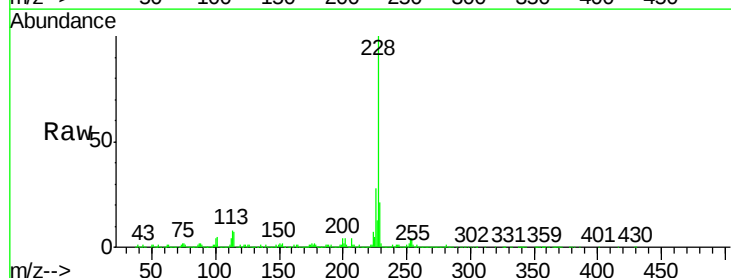
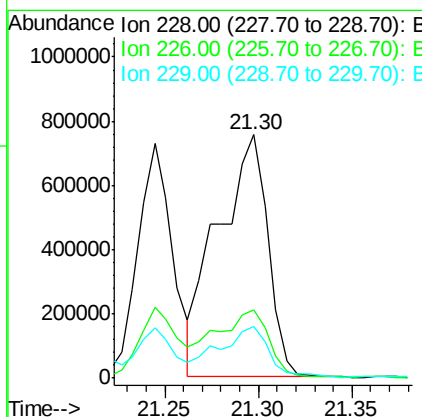
RT: 21.30 min Scan# 3096

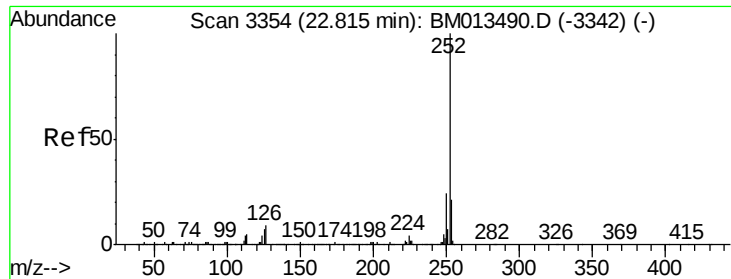
Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

Tgt Ion:	228	Resp:	1385161
Ion Ratio	Lower	Upper	
228	100		
226	28.0	23.4	35.2
229	21.3	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 52.338 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

Instrument :

BNA_M

ClientSampleId :

F9A50MEDL

Tgt Ion:252 Resp: 2674388

Ion Ratio Lower Upper

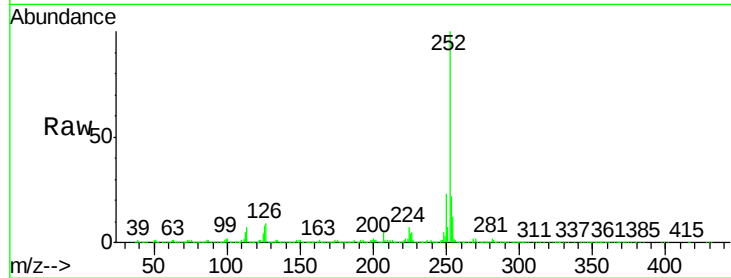
252 100

253 22.2 17.9 26.9

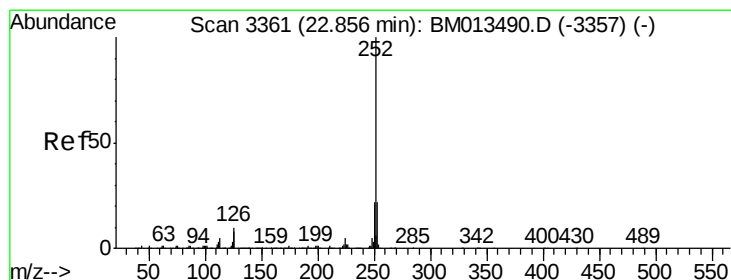
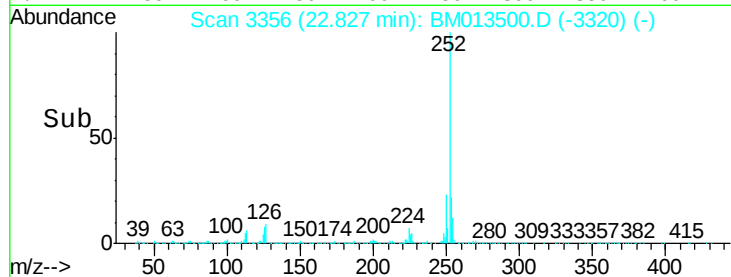
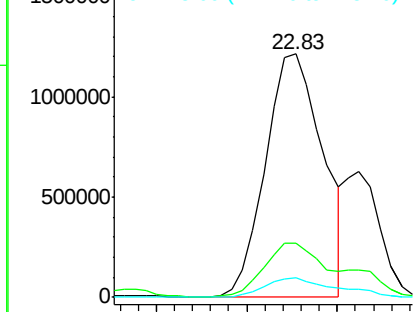
125 7.8 3.6 5.4#

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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



#86

Benzo(k)fluoranthene

Concen: 16.994 ng/ul

RT: 22.86 min Scan# 3362

Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

Tgt Ion:252 Resp: 817200

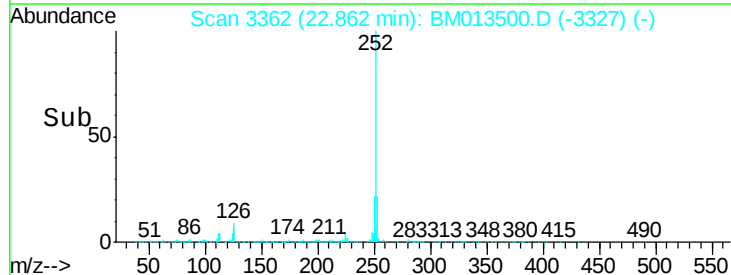
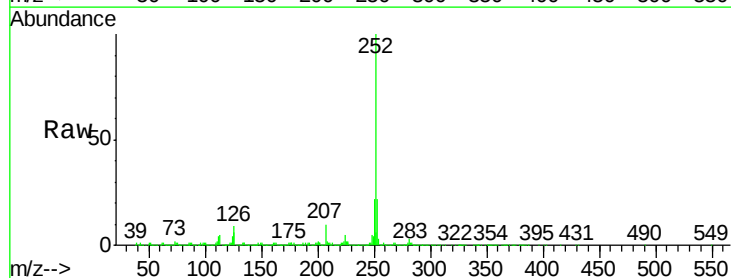
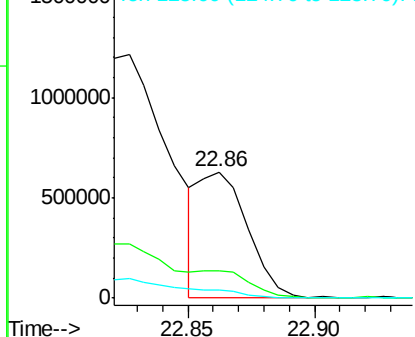
Ion Ratio Lower Upper

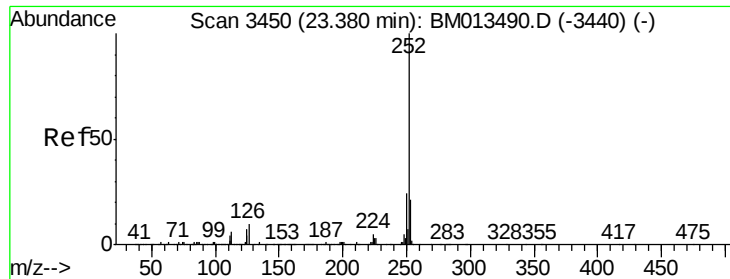
252 100

253 22.0 17.1 25.7

125 6.3 3.4 5.2#

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: 26.820 ng/ul

RT: 23.39 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

Instrument :

BNA_M

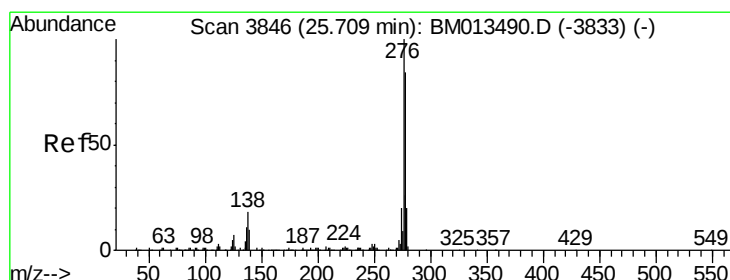
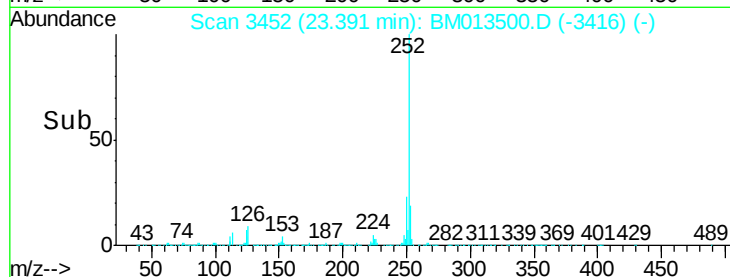
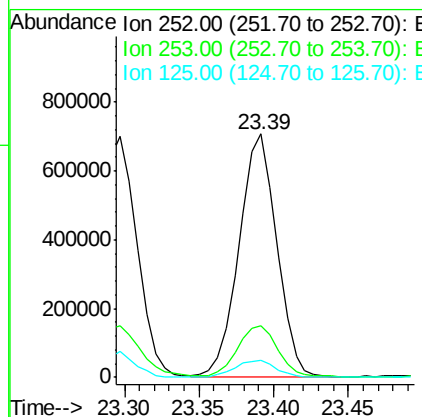
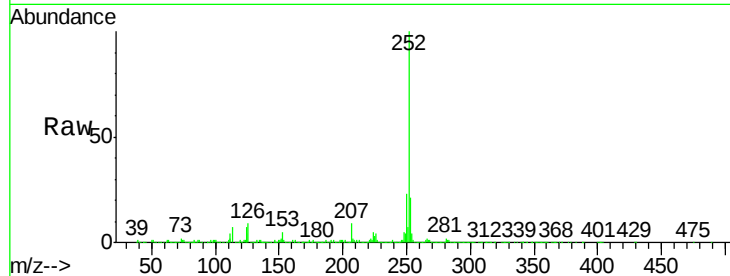
ClientSampleId :

F9A50MEDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.2	27.2
125	7.0	4.0	6.0

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#89

Indeno(1,2,3-cd)pyrene

Concen: 16.913 ng/ul

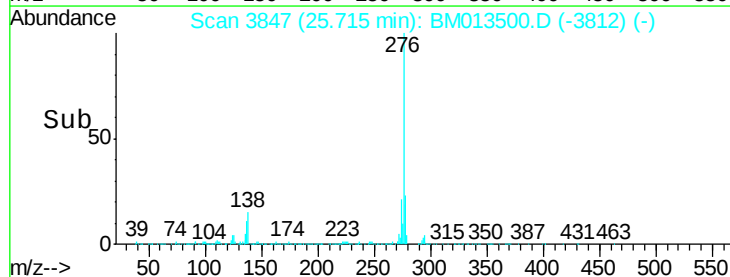
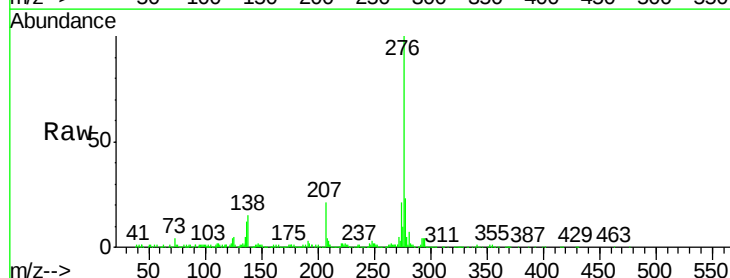
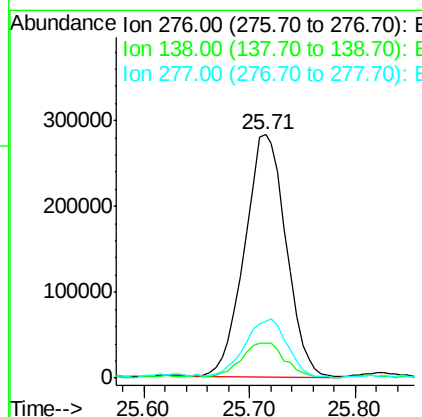
RT: 25.71 min Scan# 3847

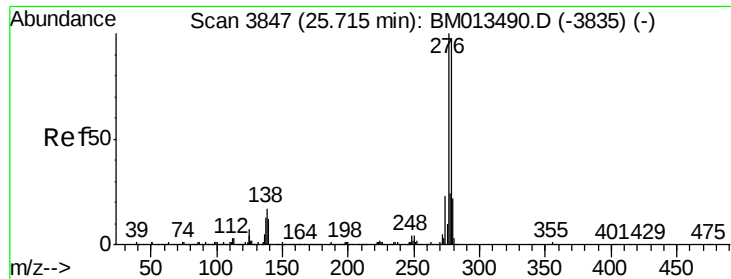
Delta R.T. 0.01 min

Lab File: BM013500.D

Acq: 18 Dec 2017 16:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.5	9.3	13.9
277	23.3	19.9	29.9





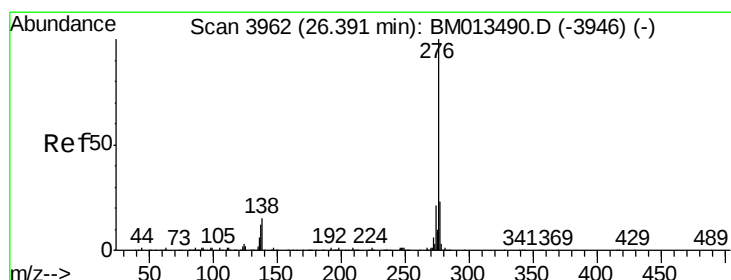
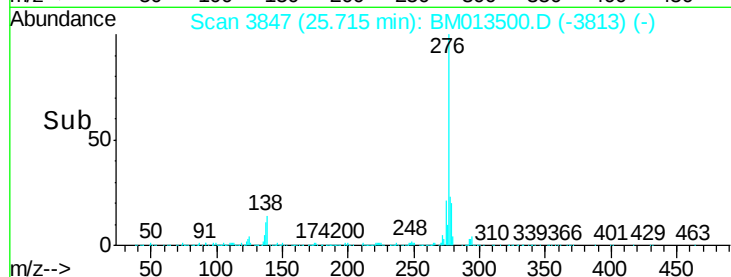
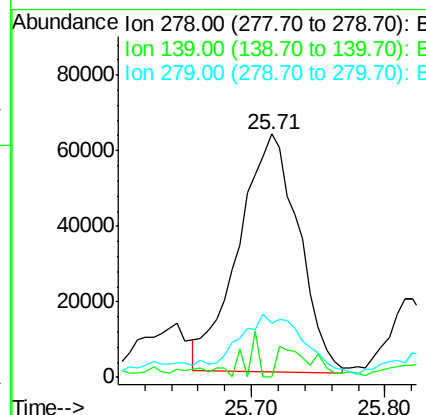
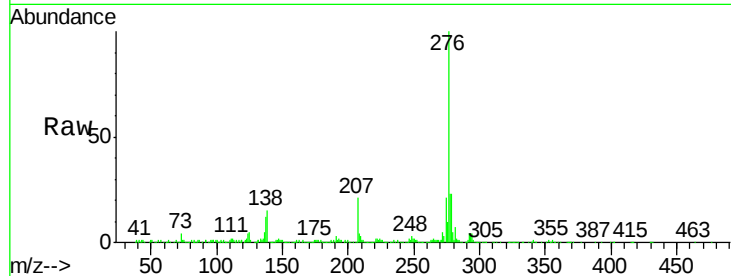
#90
Dibenzo(a,h)anthracene
Concen: 5.062 ng/ul
RT: 25.71 min Scan# 3847
Delta R.T. 0.00 min
Lab File: BM013500.D
Acq: 18 Dec 2017 16:00

Instrument :
BNA_M
ClientSampleId :
F9A50MEDL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	22.2	18.6	27.8

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#91
Benzo(g,h,i)perylene
Concen: 15.792 ng/ul
RT: 26.40 min Scan# 3963
Delta R.T. 0.01 min
Lab File: BM013500.D
Acq: 18 Dec 2017 16:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.5	8.5	12.7#
277	25.2	18.6	28.0

