

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121417\
 Data File : BM013425.D
 Acq On : 15 Dec 2017 05:25
 Operator : SJ/JU
 Sample : I6776-18 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A47

Manual Integrations
 APPROVED

Sohil
 12/15/2017 6:49:04 PM

Quant Time: Dec 25 01:35:18 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 05:52:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	262477	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	1153203	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	647358	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1340193	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1110417	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	894625	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	1689	0.32	ng/uL	0.00
5) Phenol-d5	6.86	99	48230	2.12	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	29035	2.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	40265	2.27	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	40428	2.08	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	21116	2.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	23366	2.39	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	43906	2.18	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	12387	0.67	ng/ul	0.01
43) Dimethylphthalate-d6	13.73	166	137643	2.39	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	171264	2.41	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	14082	1.41	ng/ul	0.01
57) Fluorene-d10	15.32	176	117134	2.36	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	13728	1.63	ng/ul	0.00
70) Anthracene-d10	17.16	188	178710	2.66	ng/ul	0.00
76) Pyrene-d10	19.47	212	178029	3.22	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	114202	2.51	ng/ul	0.00

Target Compounds

					Ovalue	
47) Acenaphthylene	14.04	152	321413	4.886	ng/ul	99
49) Acenaphthene	14.38	153	149284	3.331	ng/ul	92
53) Dibenzofuran	14.72	168	116315	1.758	ng/ul	97
58) Fluorene	15.37	166	86121	1.574	ng/ul	100
68) Pentachlorophenol	16.72	266	372561	37.076	ng/ul	97
69) Phenanthrene	17.11	178	1308718	17.189	ng/ul	99
71) Anthracene	17.20	178	764615	9.825	ng/ul	98
72) Carbazole	17.47	167	173643	2.594	ng/ul	99
74) Fluoranthene	19.13	202	3744041	40.126	ng/ul#	92
77) Pyrene	19.50	202	4642501	68.818	ng/ul#	92
80) Benzo(a)anthracene	21.24	228	2088713	29.647	ng/ul	97
82) Chrysene	21.30	228	2396116m	36.659	ng/ul	
85) Benzo(b)fluoranthene	22.83	252	4884542	80.993	ng/ul#	98
86) Benzo(k)fluoranthene	22.86	252	1626402m	28.657	ng/ul	
88) Benzo(a)pyrene	23.39	252	2289583	42.263	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.71	276	1393294	25.920	ng/ul#	95
90) Dibenzo(a,h)anthracene	25.71	278	368335	8.047	ng/ul#	93
91) Benzo(g,h,i)perylene	26.40	276	1164713	27.470	ng/ul#	95

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

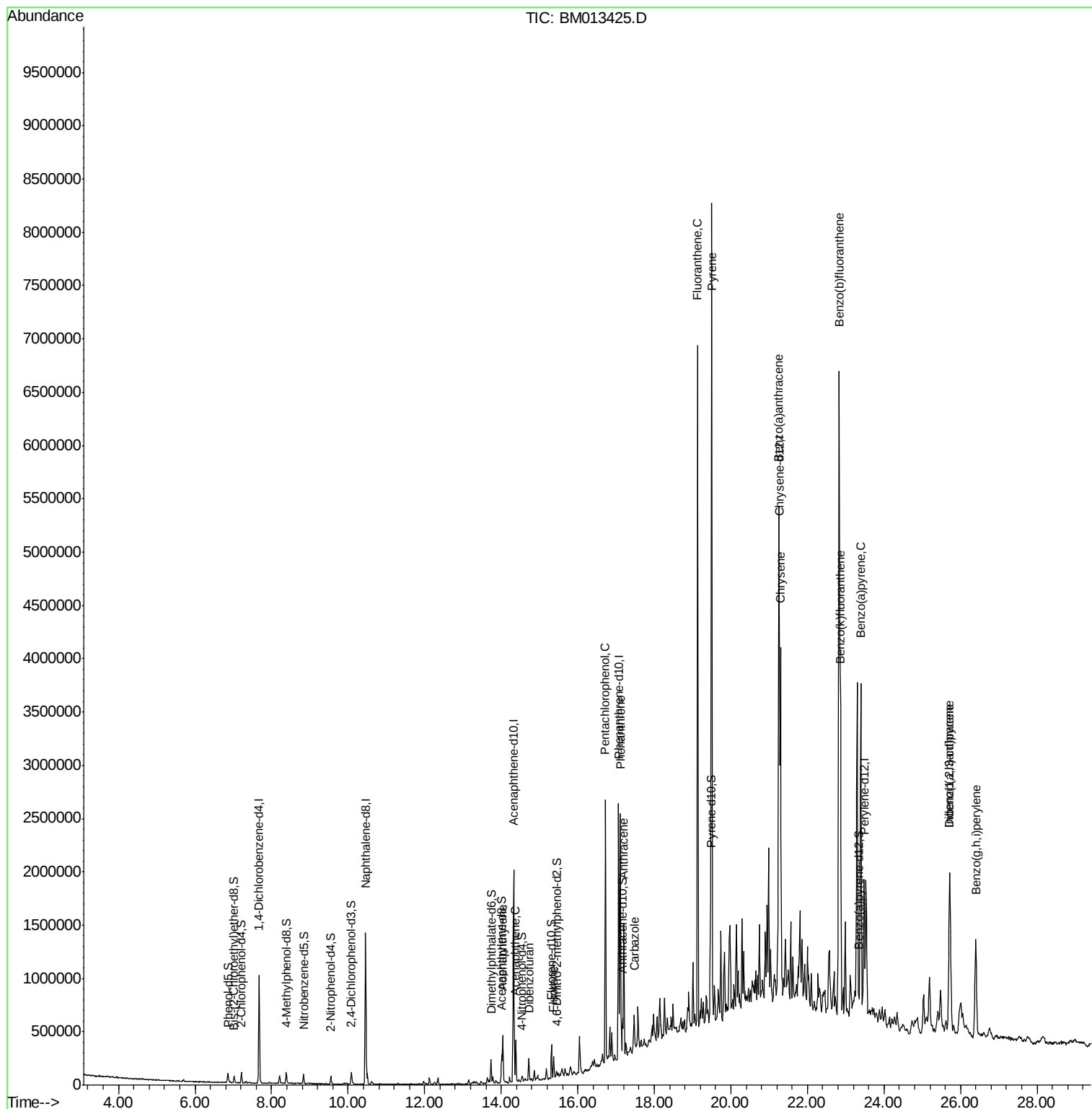
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013425.D
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Operator : SJ/JU
Sample : I6776-18 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

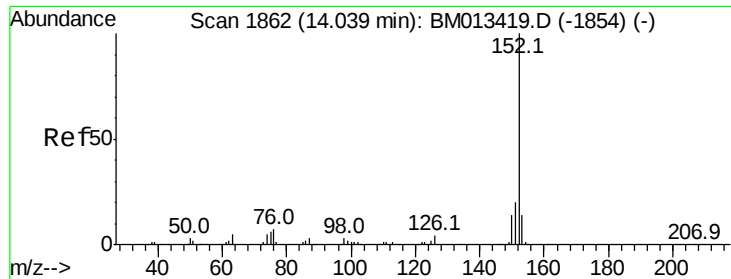
Instrument :
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Quant Time: Dec 25 01:35:18 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 05:52:21 2017
Response via : Initial Calibration





#47

Acenaphthylene

Concen: 4.886 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BM013425.D

Acq: 15 Dec 2017 05:25

Instrument :

BNA_M

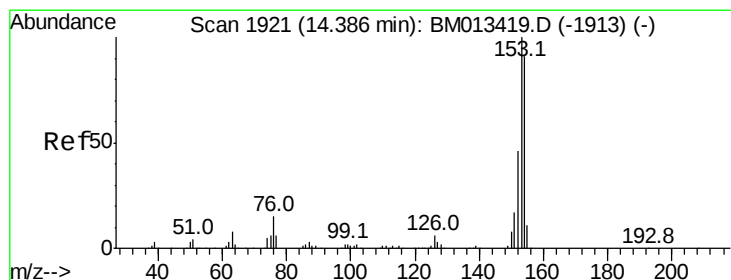
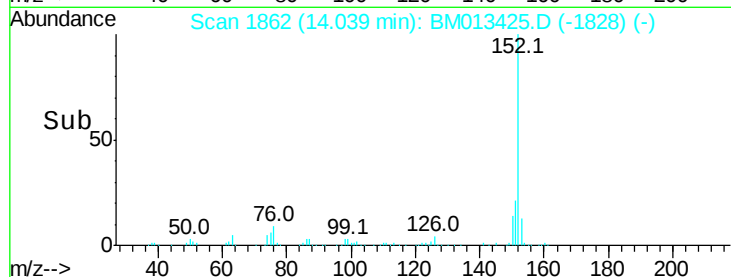
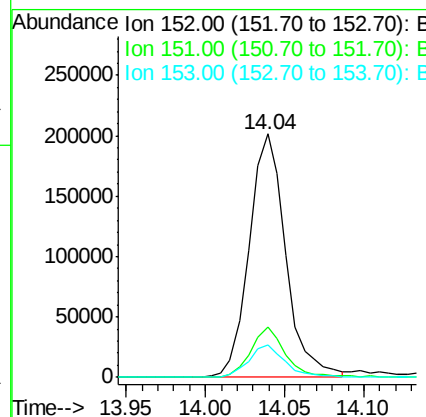
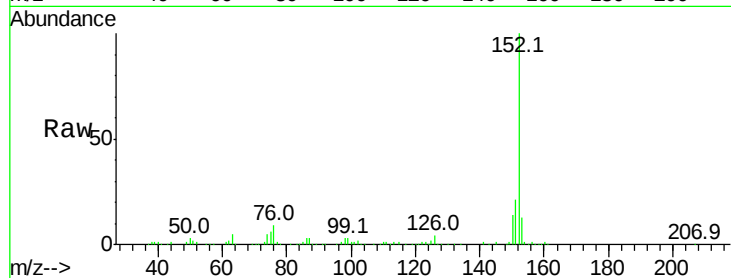
ClientSampled :

F9A47

Tot Ion:	152	Resp:	321413
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.3	24.5
153	13.1	10.2	15.4

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#49

Acenaphthene

Concen: 3.331 ng/ul

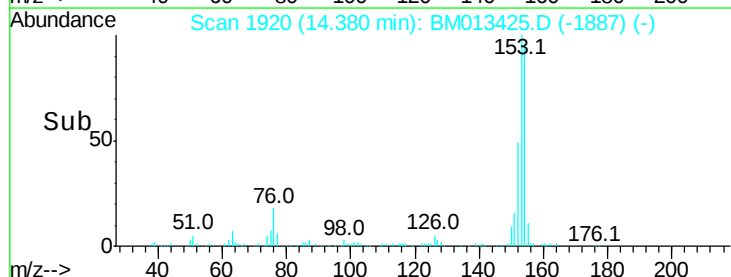
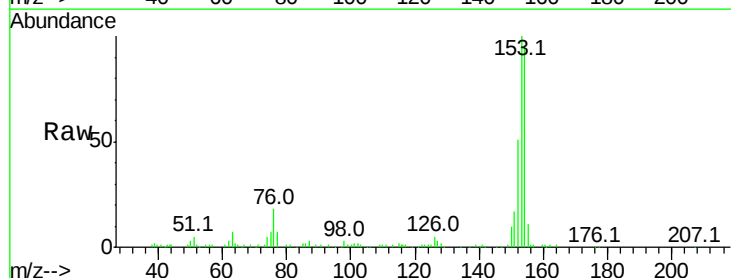
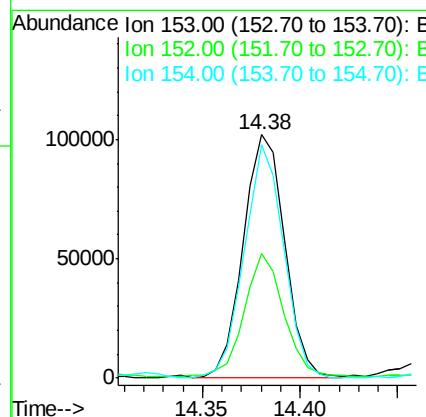
RT: 14.38 min Scan# 1920

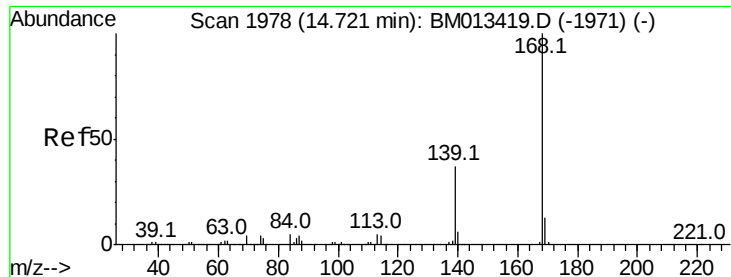
Delta R.T. -0.01 min

Lab File: BM013425.D

Acq: 15 Dec 2017 05:25

Tgt Ion:	153	Resp:	149284
Ion Ratio	Lower	Upper	
153	100		
152	51.3	37.6	56.4
154	95.6	70.4	105.6





#53

Dibenzofuran

Concen: 1.758 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM013425.D

Acq: 15 Dec 2017 05:25

Instrument :

BNA_M

ClientSampled :

F9A47

Tot Ion:168 Resp: 116315

Ion Ratio Lower Upper

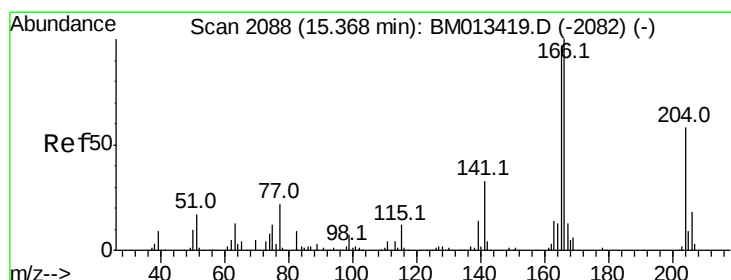
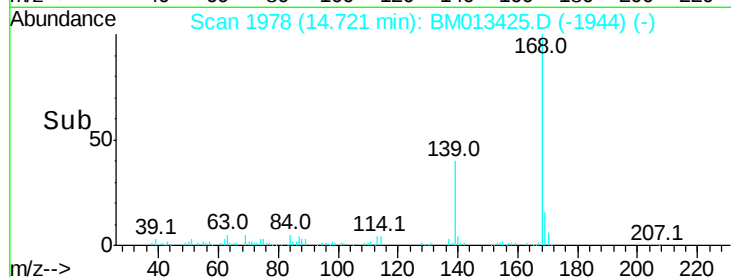
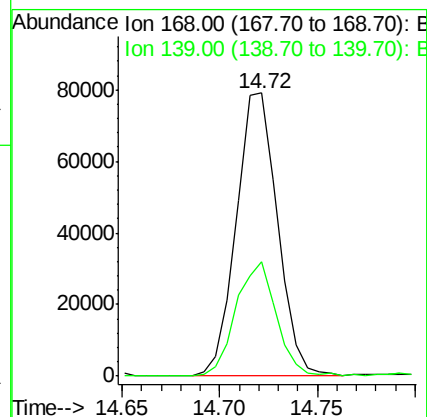
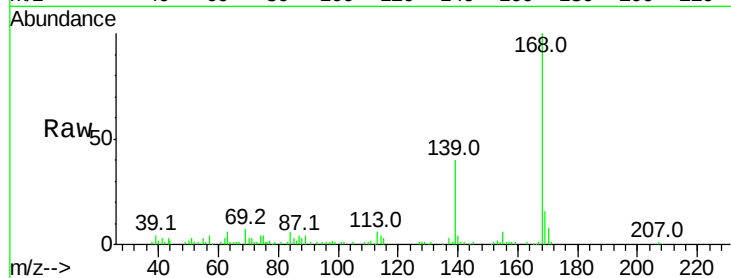
168 100

139 40.4 30.8 46.2

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#58

Fluorene

Concen: 1.574 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BM013425.D

Acq: 15 Dec 2017 05:25

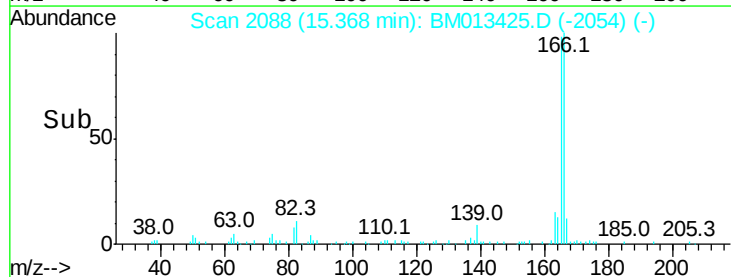
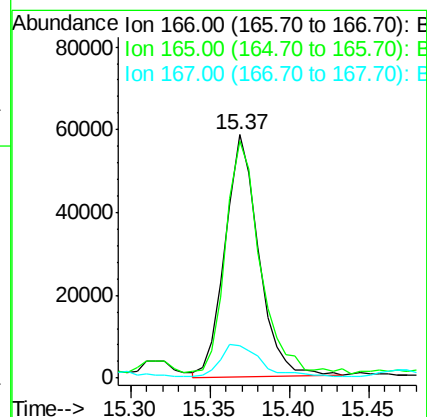
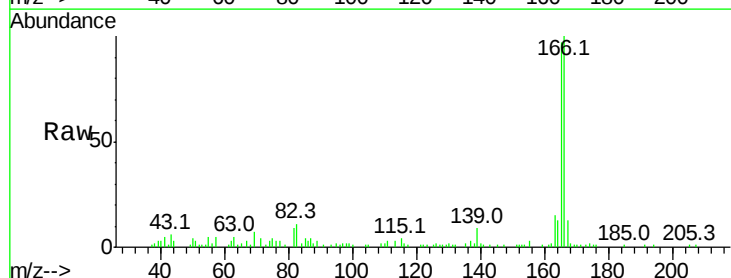
Tgt Ion:166 Resp: 86121

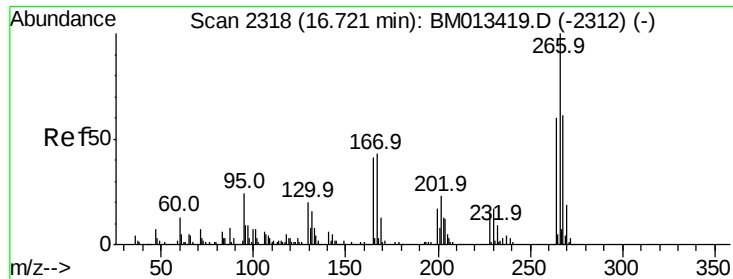
Ion Ratio Lower Upper

166 100

165 97.3 77.9 116.9

167 13.3 10.6 16.0





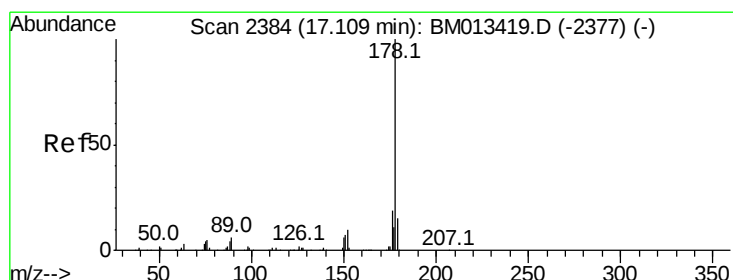
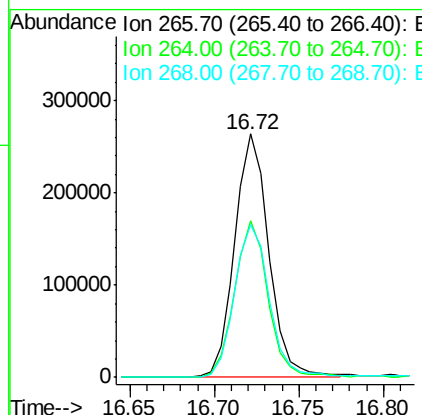
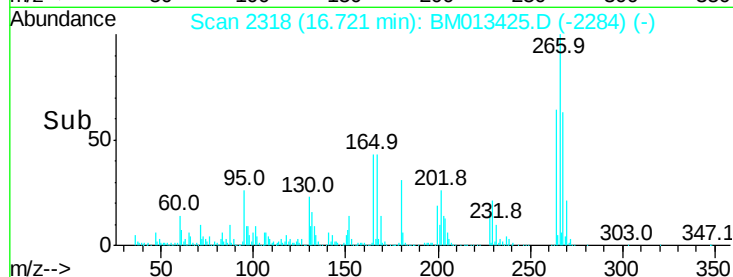
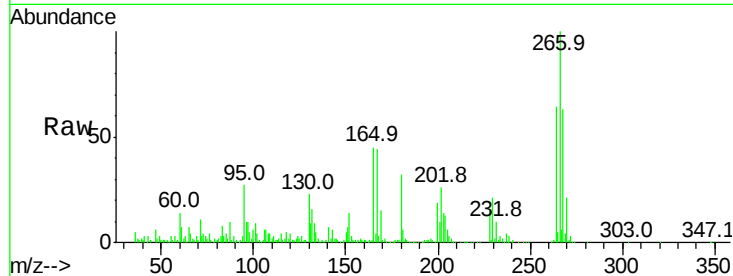
#68
 Pentachlorophenol
 Concen: 37.076 ng/ul
 RT: 16.72 min Scan# 2318
 Delta R.T. 0.00 min
 Lab File: BM013425.D
 Acq: 15 Dec 2017 05:25

Instrument :
 BNA_M
 ClientSampleId :
 F9A47

Tot Ion	Ratio	Resp	Lower	Upper
266	100	372561		
264	64.1	49.3	73.9	
268	63.0	52.6	78.8	

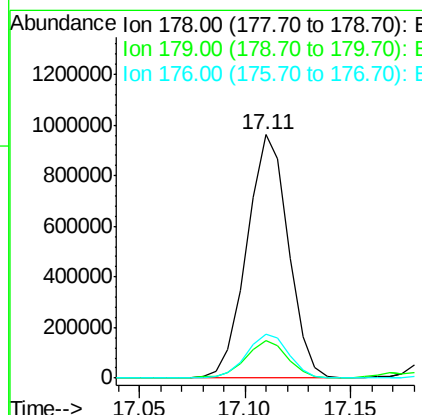
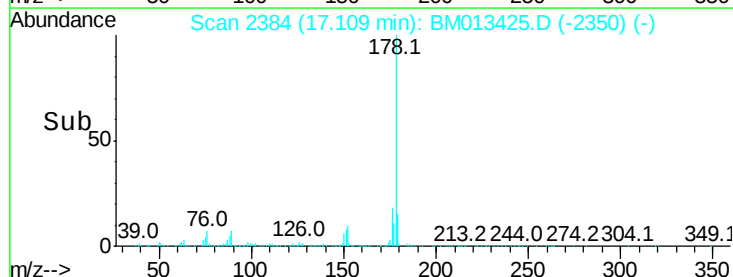
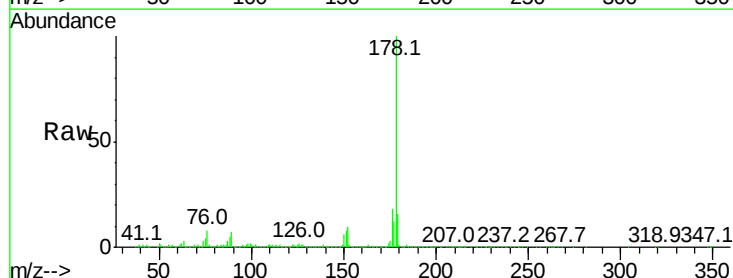
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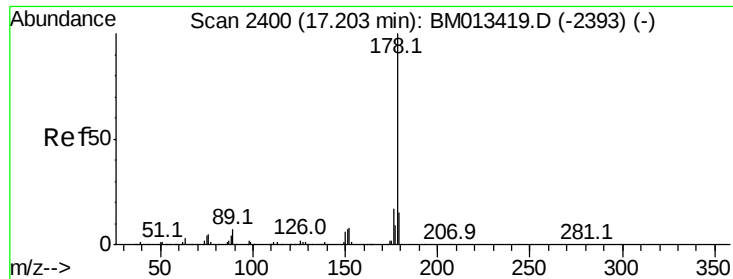
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#69
 Phenanthrene
 Concen: 17.189 ng/ul
 RT: 17.11 min Scan# 2384
 Delta R.T. 0.00 min
 Lab File: BM013425.D
 Acq: 15 Dec 2017 05:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1308718		
179	15.5	12.6	19.0	
176	18.3	14.9	22.3	





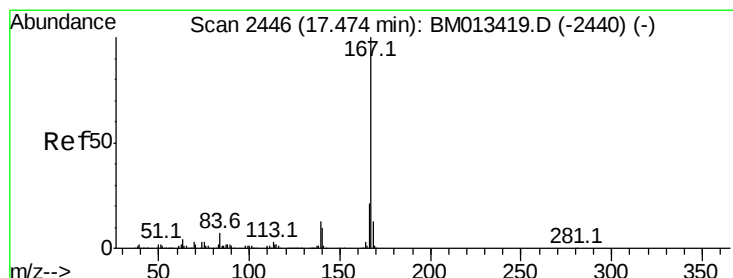
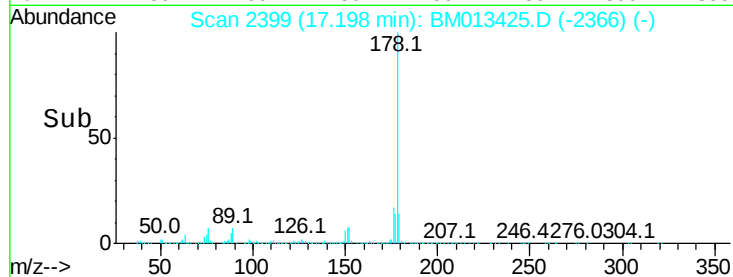
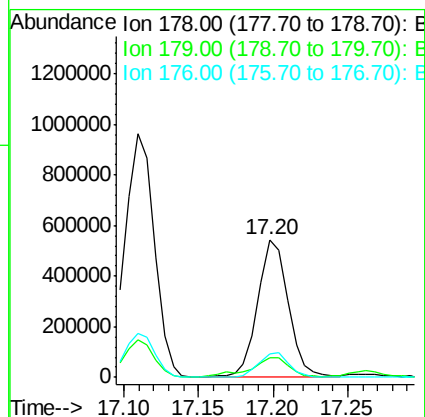
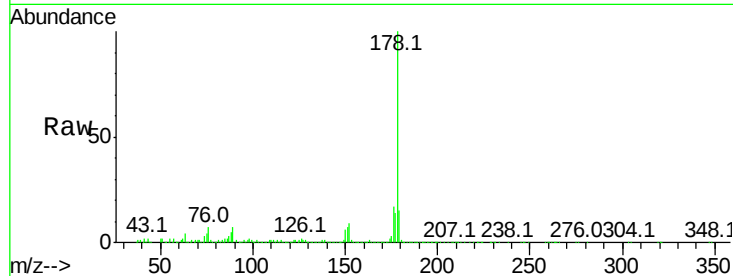
#71
 Anthracene
 Concen: 9.825 ng/ul
 RT: 17.20 min Scan# 2399
 Delta R.T. -0.01 min
 Lab File: BM013425.D
 Acq: 15 Dec 2017 05:25

Instrument :
 BNA_M
 ClientSampleId :
 F9A47

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.6	11.7	17.5
176	16.8	14.6	21.8

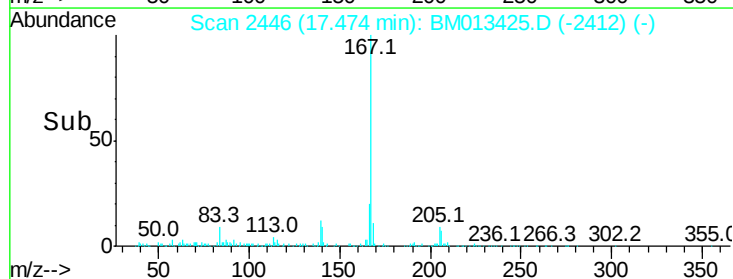
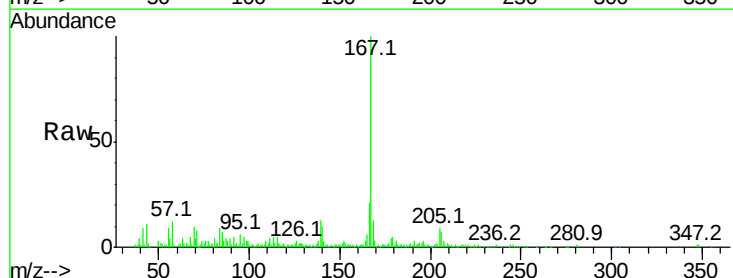
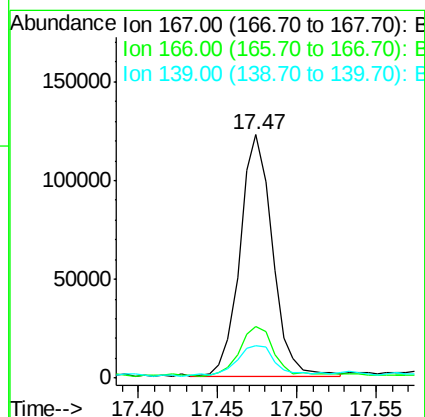
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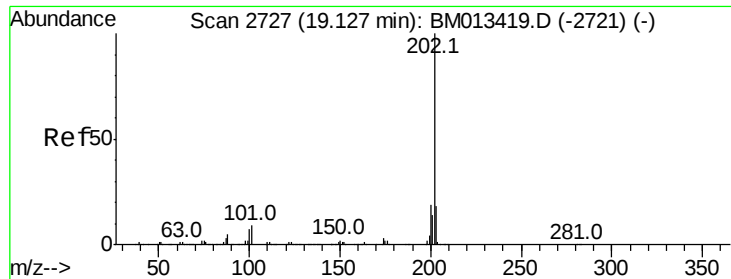
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#72
 Carbazole
 Concen: 2.594 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BM013425.D
 Acq: 15 Dec 2017 05:25

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.1	25.7
139	13.5	10.0	15.0





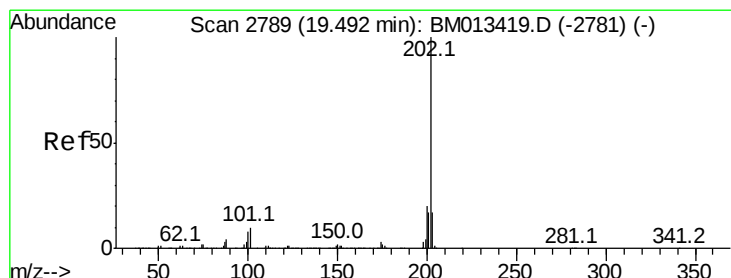
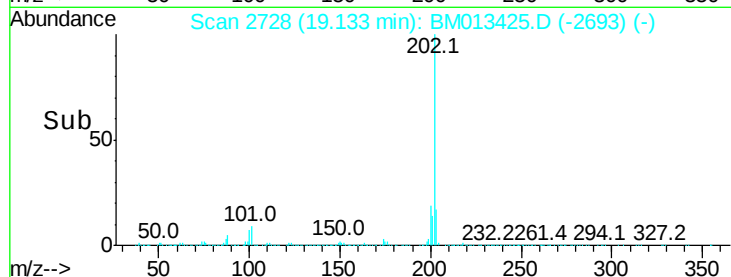
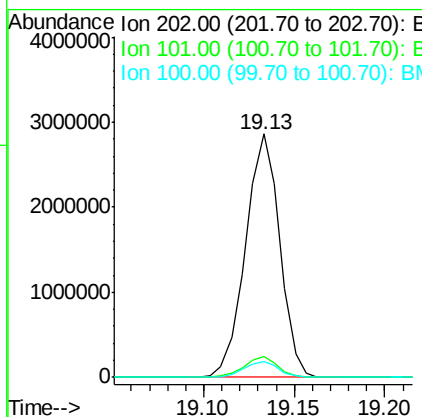
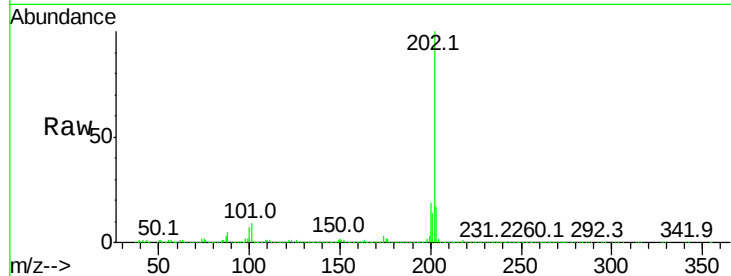
#74
 Fluoranthene
 Concen: 40.126 ng/ul
 RT: 19.13 min Scan# 2728
 Delta R.T. 0.01 min
 Lab File: BM013425.D
 Acq: 15 Dec 2017 05:25

Instrument :
 BNA_M
 ClientSampleId :
 F9A47

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.7	4.6	7.0#
100	6.6	3.4	5.2#

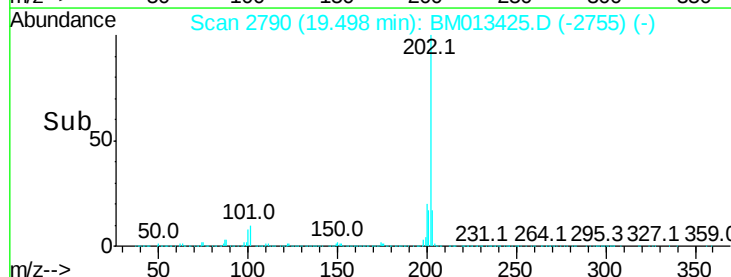
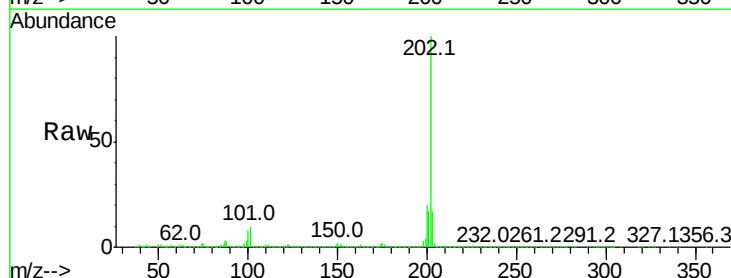
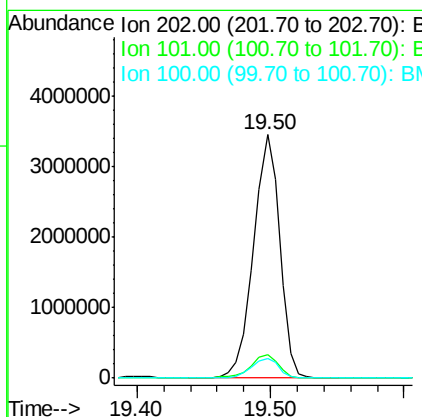
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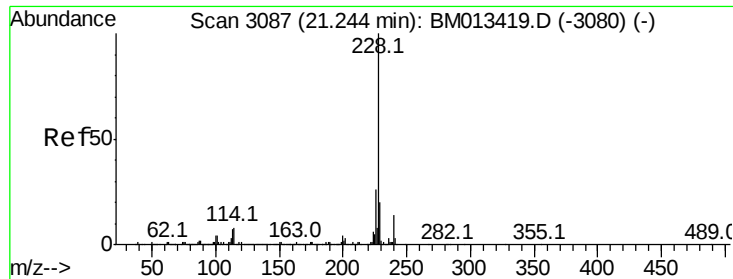
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#77
 Pyrene
 Concen: 68.818 ng/ul
 RT: 19.50 min Scan# 2790
 Delta R.T. 0.01 min
 Lab File: BM013425.D
 Acq: 15 Dec 2017 05:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	5.1	7.7#
100	7.9	4.9	7.3#





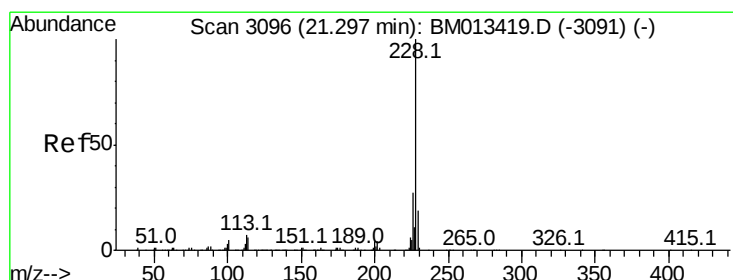
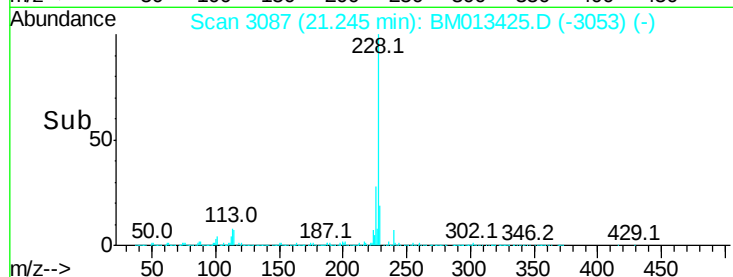
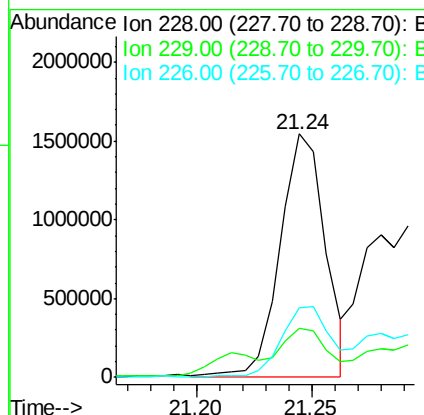
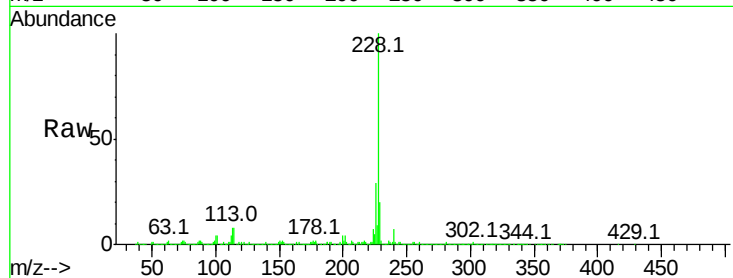
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Benzo(a)anthracene
Concen: 29.647 ng/ul
RT: 21.24 min Scan# 3087
Delta R.T. 0.00 min
Lab File: BM013425.D
Acq: 15 Dec 2017 05:25

Instrument :
BNA_M
ClientSampleId :
F9A47

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.4	23.0
226	28.7	21.4	32.0

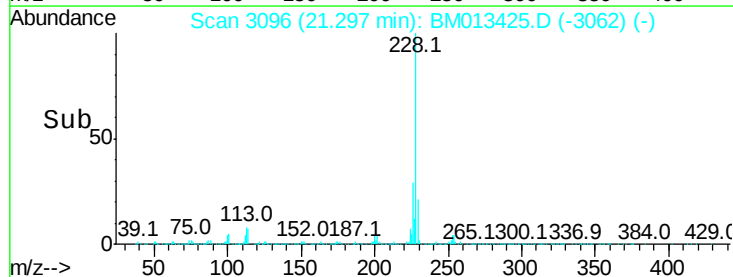
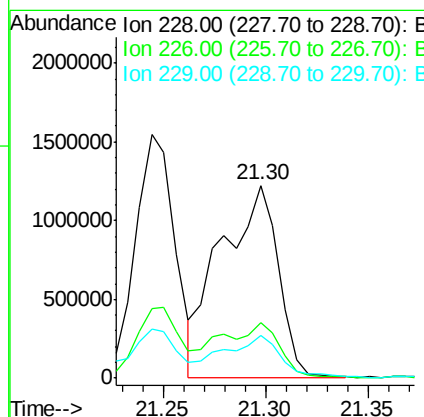
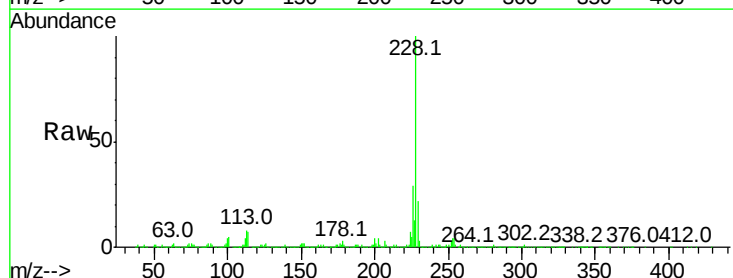
Manual Integrations
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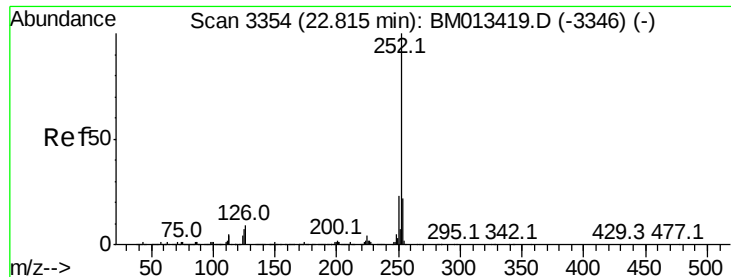
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#82
Chrysene
Concen: 36.659 ng/ul m
RT: 21.30 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BM013425.D
Acq: 15 Dec 2017 05:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.4	35.2
229	21.9	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 80.993 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM013425.D

Acq: 15 Dec 2017 05:25

Instrument :

BNA_M

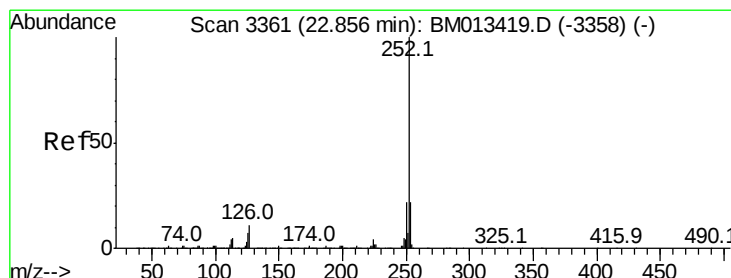
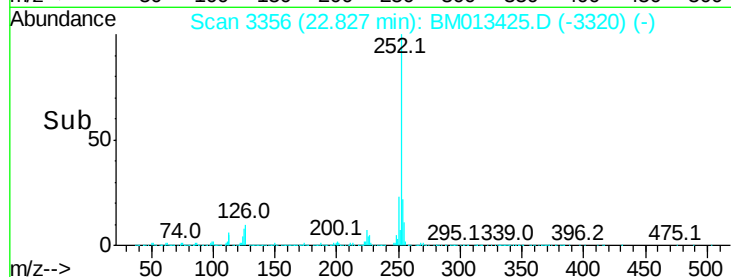
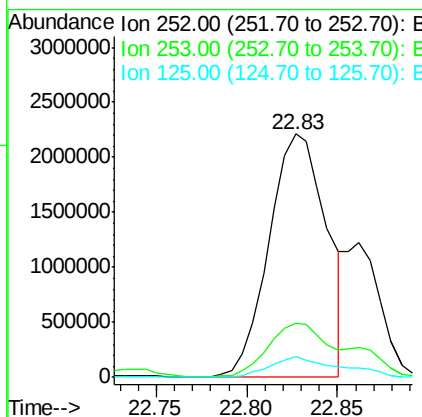
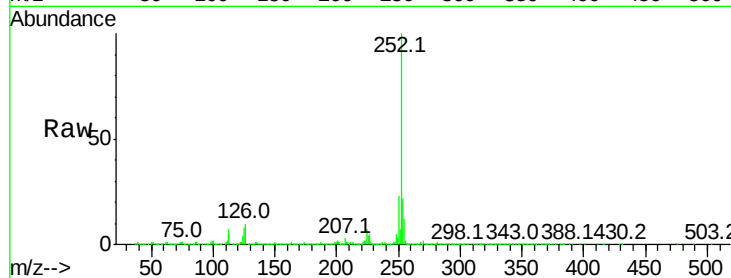
ClientSampled :

F9A47

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	8.3	3.6	5.4

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 28.657 ng/ul m

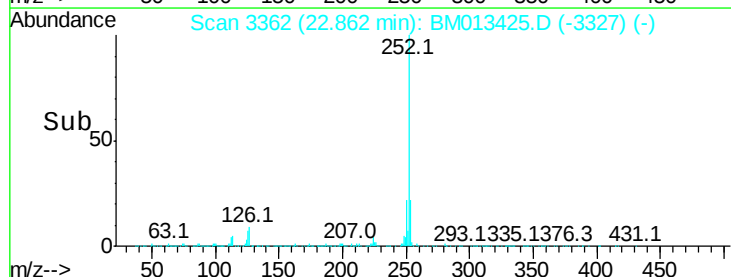
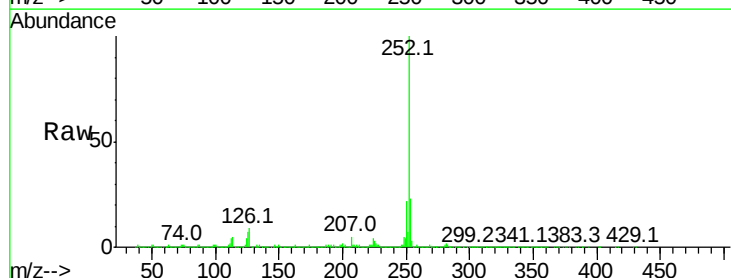
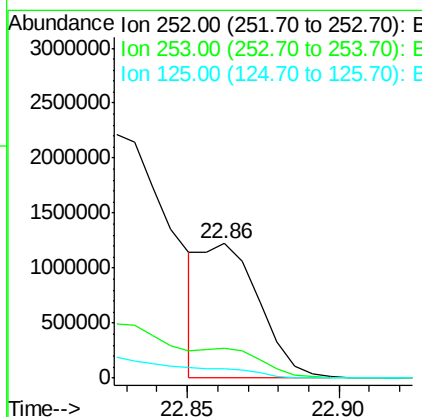
RT: 22.86 min Scan# 3362

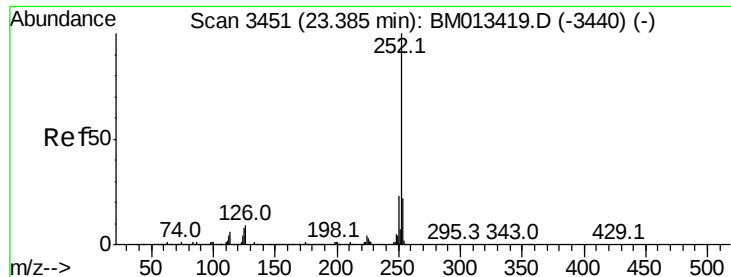
Delta R.T. 0.01 min

Lab File: BM013425.D

Acq: 15 Dec 2017 05:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	7.3	3.4	5.2





#88

Benzo(a)pyrene

Concen: 42.263 ng/ul

RT: 23.39 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM013425.D

Acq: 15 Dec 2017 05:25

Instrument :

BNA_M

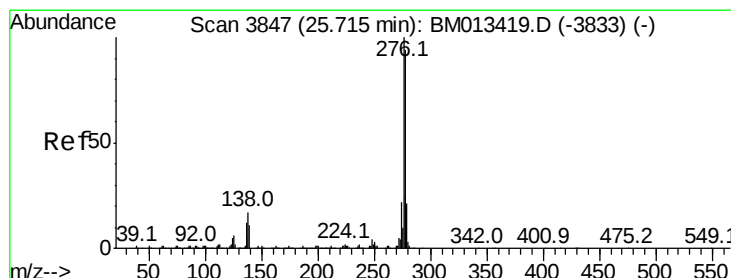
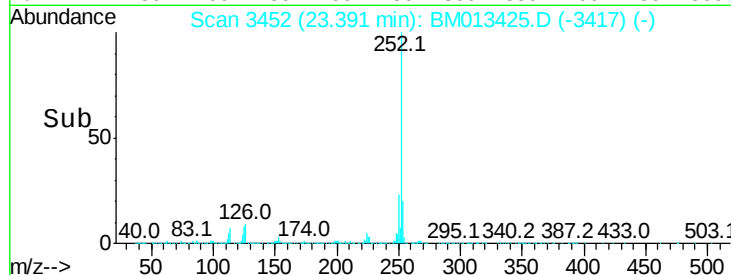
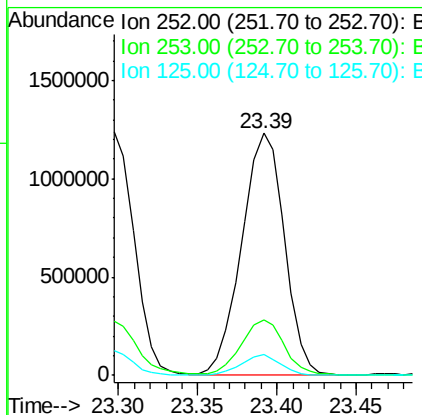
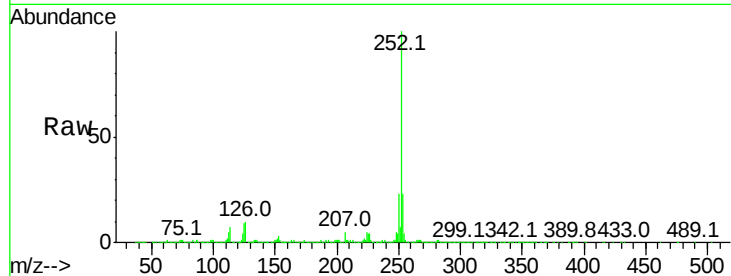
ClientSampleId :

F9A47

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	8.6	4.0	6.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 25.920 ng/ul

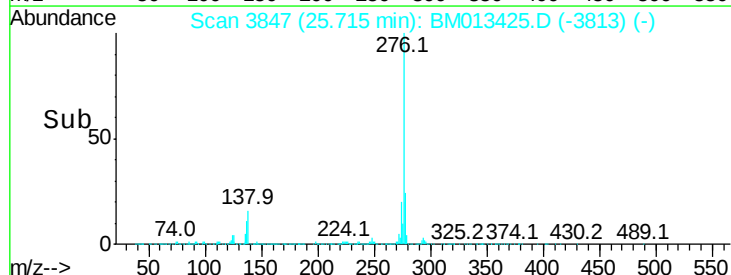
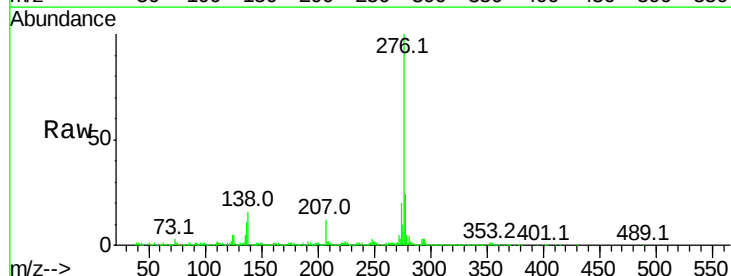
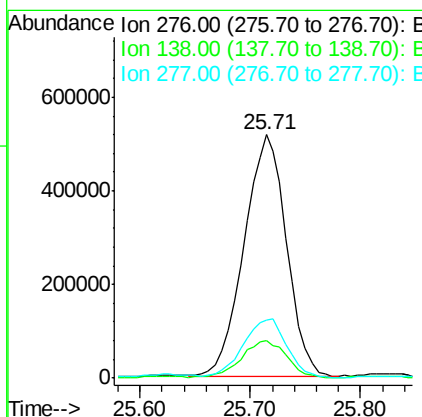
RT: 25.71 min Scan# 3847

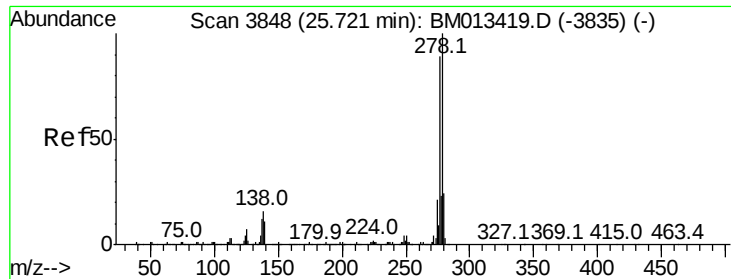
Delta R.T. 0.00 min

Lab File: BM013425.D

Acq: 15 Dec 2017 05:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.6	9.3	13.9#
277	23.8	19.9	29.9





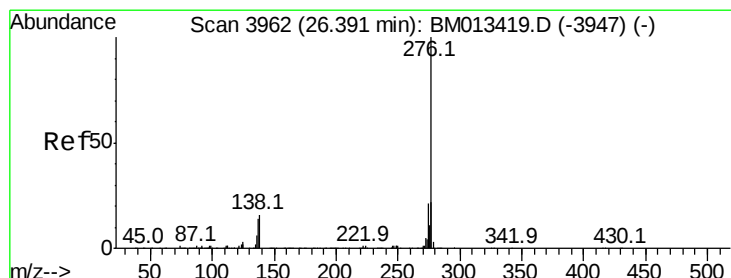
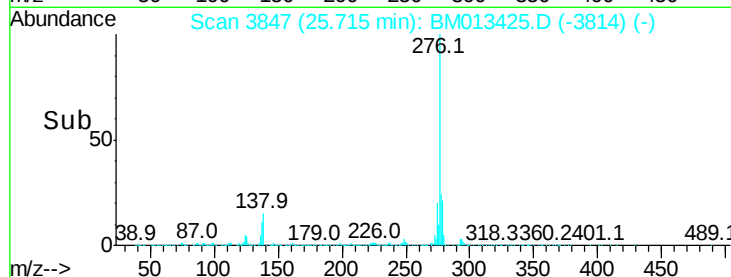
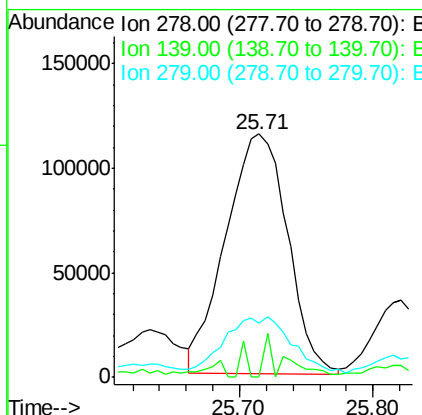
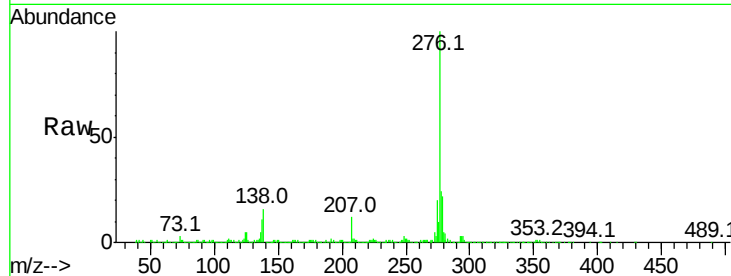
#90
Dibenzo(a,h)anthracene
Concen: 8.047 ng/ul
RT: 25.71 min Scan# 3847
Delta R.T. -0.01 min
Lab File: BM013425.D
Acq: 15 Dec 2017 05:25

Instrument :
BNA_M
ClientSampleId :
F9A47

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	22.1	18.6	27.8

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 27.470 ng/ul
RT: 26.40 min Scan# 3963
Delta R.T. 0.01 min
Lab File: BM013425.D
Acq: 15 Dec 2017 05:25

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	8.5	12.7#
277	23.8	18.6	28.0

