

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121317\
 Data File : BM013396.D
 Acq On : 14 Dec 2017 04:29
 Operator : SJ/JU
 Sample : I6759-11ME 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A19ME

Manual Integrations
 APPROVED

Sohil
 12/15/2017 7:34:44 PM

Quant Time: Dec 14 06:23:02 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 14 06:00:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	140262	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	606771	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	378121	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	942979	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1163378	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1093394	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	665	0.23	ng/uL	0.00
5) Phenol-d5	6.86	99	20036	1.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	14332	2.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	18407	1.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	18190	1.75	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	10188	2.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	9898	1.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	17895	1.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	22657m	2.32	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	78369	2.33	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	91140	2.19	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	8638m	1.48	ng/ul	0.02
57) Fluorene-d10	15.32	176	66427	2.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	9179m	1.55	ng/ul	0.00
70) Anthracene-d10	17.17	188	114967	2.43	ng/ul	0.00
76) Pyrene-d10	19.47	212	135371	2.34	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	125617	2.26	ng/ul	0.00
Target Compounds				Ovalue		
28) Naphthalene	10.51	128	581827	18.638	ng/ul	99
34) 2-Methylnaphthalene	12.13	142	210625	8.975	ng/ul	94
40) 1,1'-Biphenyl	13.15	154	34116	1.068	ng/ul	97
49) Acenaphthene	14.39	153	406067	15.513	ng/ul	98
53) Dibenzofuran	14.72	168	376812	9.751	ng/ul	99
55) 2,3,4,6-Tetrachlorophenol	14.96	232	13477	1.627	ng/ul#	88
58) Fluorene	15.37	166	322243	10.080	ng/ul	98
63) 4,6-Dinitro-2-methylphenol	15.47	198	9823	1.657	ng/ul#	85
68) Pentachlorophenol	16.73	266	773451	109.394	ng/ul	97
69) Phenanthrene	17.12	178	2393598	44.680	ng/ul	100
71) Anthracene	17.20	178	1248271	22.795	ng/ul	98
72) Carbazole	17.48	167	206860	4.392	ng/ul	96
74) Fluoranthene	19.14	202	3705391	56.440	ng/ul#	94
77) Pyrene	19.50	202	2557197	36.181	ng/ul#	92
80) Benzo(a)anthracene	21.25	228	525289	7.116	ng/ul	97
82) Chrysene	21.30	228	563143	8.223	ng/ul	97
85) Benzo(b)fluoranthene	22.82	252	359654	4.879	ng/ul#	95
86) Benzo(k)fluoranthene	22.86	252	118890	1.714	ng/ul#	92
88) Benzo(a)pyrene	23.39	252	123947	1.872	ng/ul#	99

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

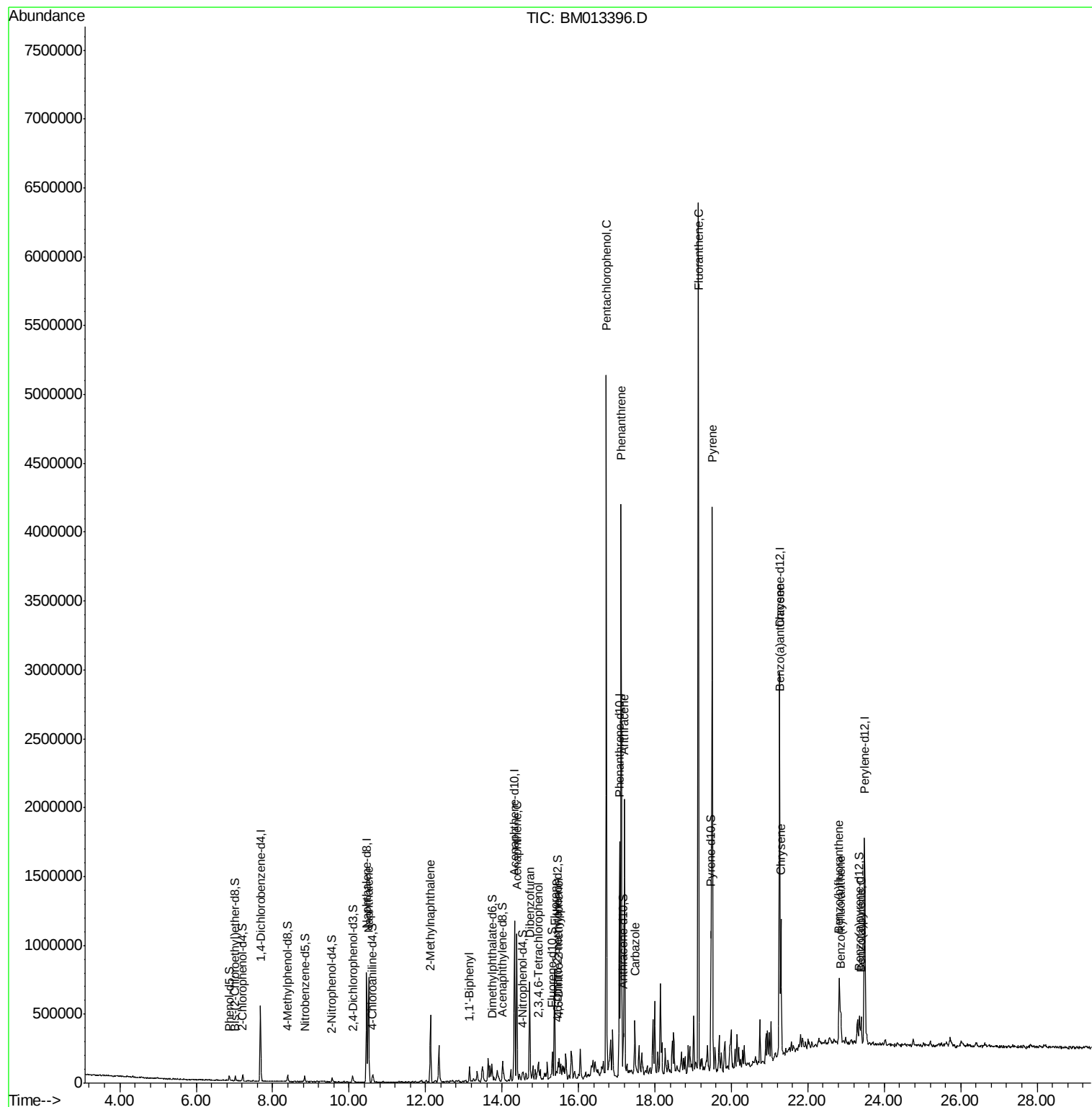
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013396.D
Acq On : 14 Dec 2017 04:29
Operator : SJ/JU
Sample : I6759-11ME 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

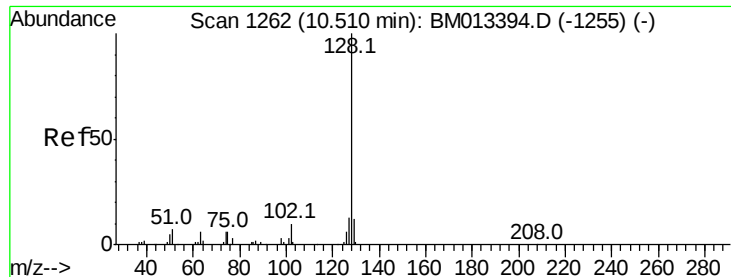
Instrument :
BNA_M
ClientSampleId :
F9A19ME

Manual Integrations
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12/15/2017 7:34:44 PM

Quant Time: Dec 14 06:23:02 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 14 06:00:20 2017
Response via : Initial Calibration





#28

Naphthalene

Concen: 18.638 ng/ul

RT: 10.51 min Scan# 1262

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

Instrument :

BNA_M

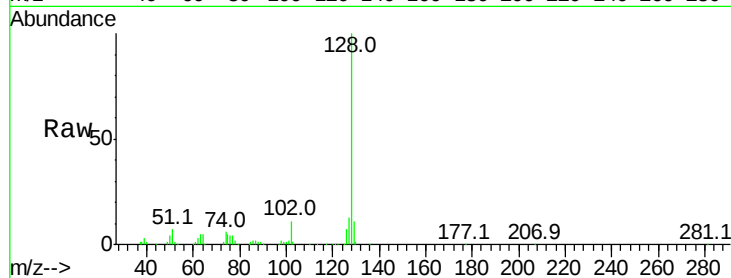
ClientSampleId :

F9A19ME

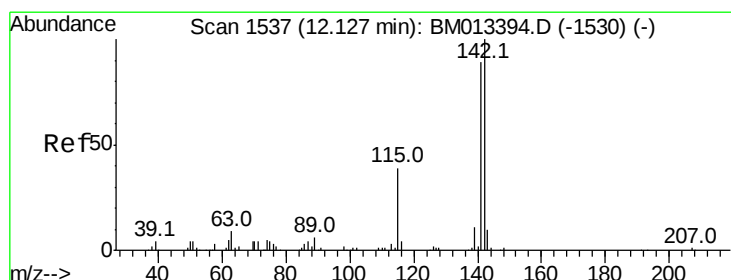
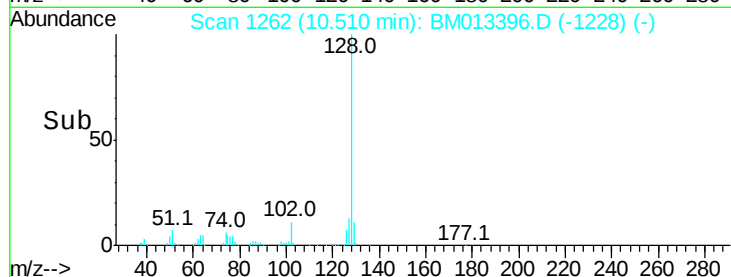
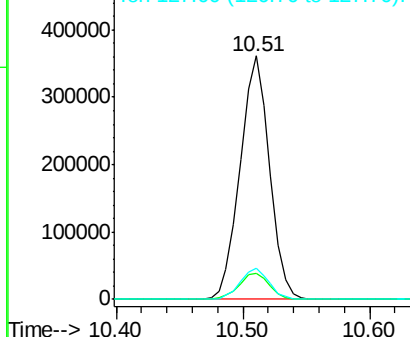
Tot Ion:	128	Resp:	581827
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.8	13.2
127	12.7	10.6	16.0

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 8.975 ng/ul

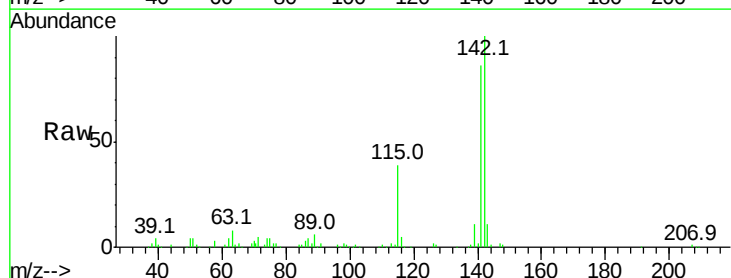
RT: 12.13 min Scan# 1537

Delta R.T. 0.00 min

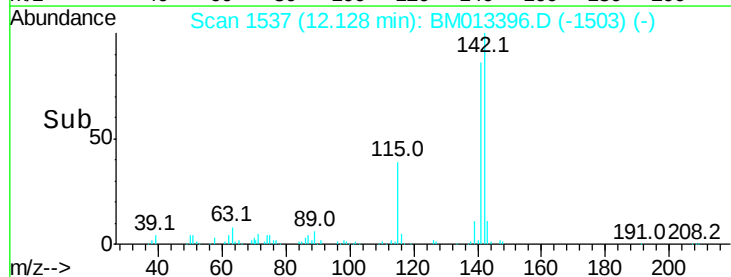
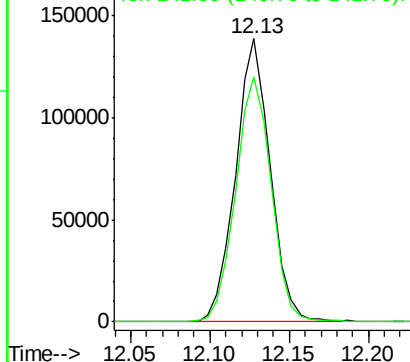
Lab File: BM013396.D

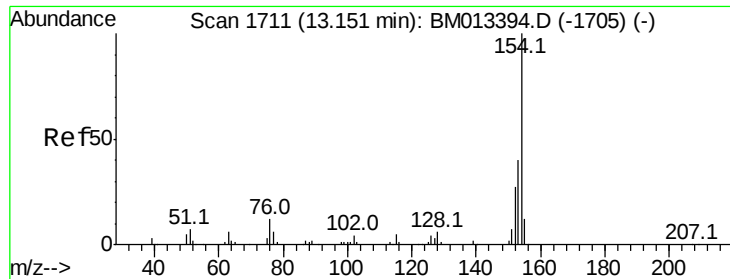
Acq: 14 Dec 2017 04:29

Tgt Ion:	142	Resp:	210625
Ion Ratio	Lower	Upper	
142	100		
141	86.4	74.1	111.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 1.068 ng/ul

RT: 13.15 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

Instrument :

BNA_M

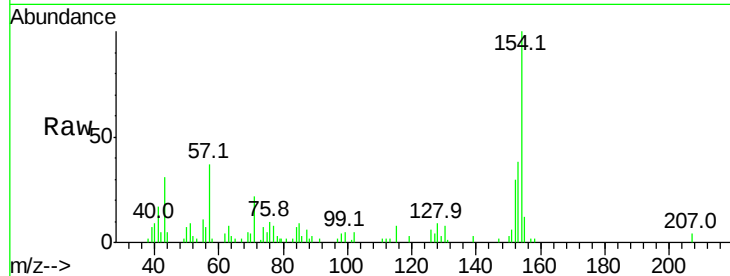
ClientSampleId :

F9A19ME

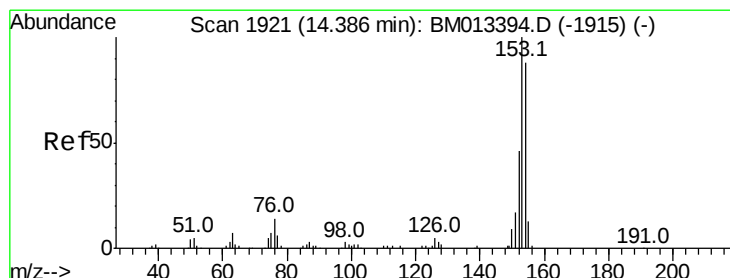
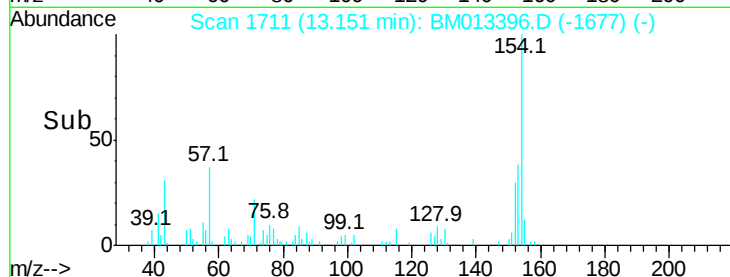
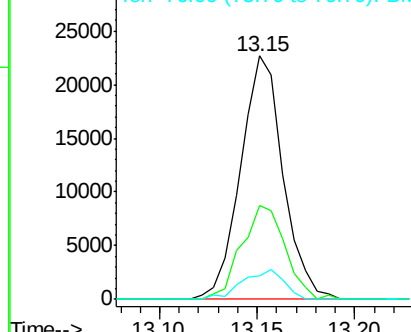
Tot Ion:	154	Resp:	34116
Ion Ratio	Lower	Upper	
154	100		
153	38.3	32.6	48.8
76	9.8	8.5	12.7

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM



#49

Acenaphthene

Concen: 15.513 ng/ul

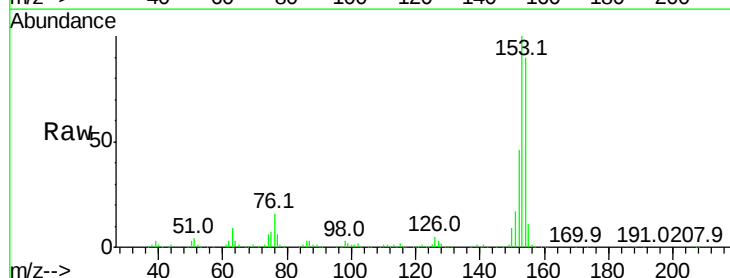
RT: 14.39 min Scan# 1921

Delta R.T. 0.00 min

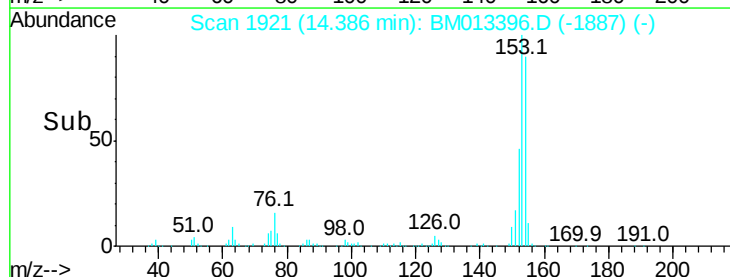
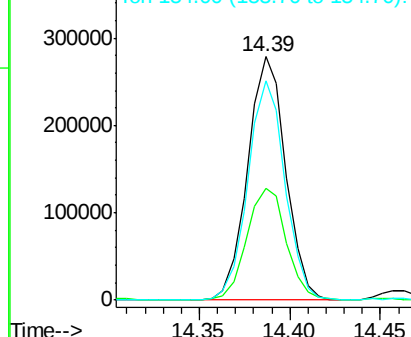
Lab File: BM013396.D

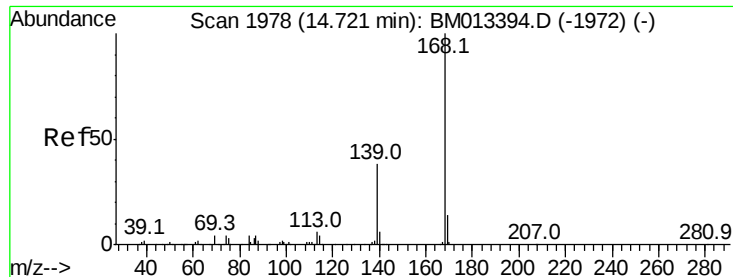
Acq: 14 Dec 2017 04:29

Tgt Ion:	153	Resp:	406067
Ion Ratio	Lower	Upper	
153	100		
152	46.1	37.6	56.4
154	90.1	70.4	105.6



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





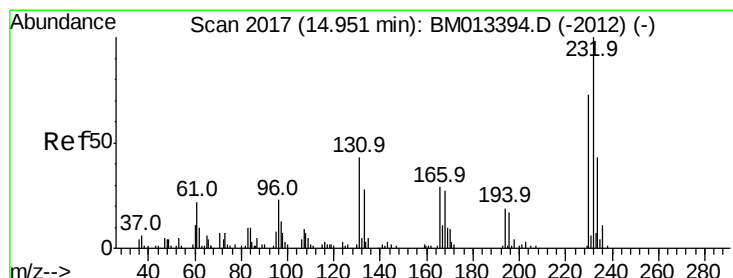
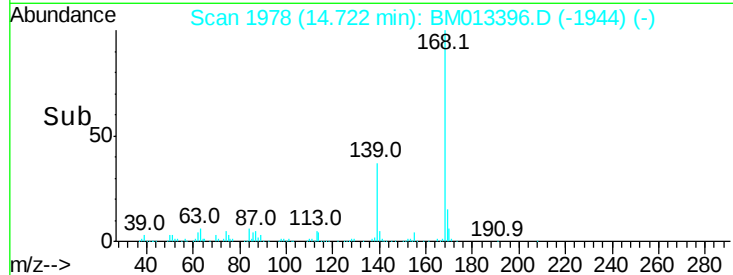
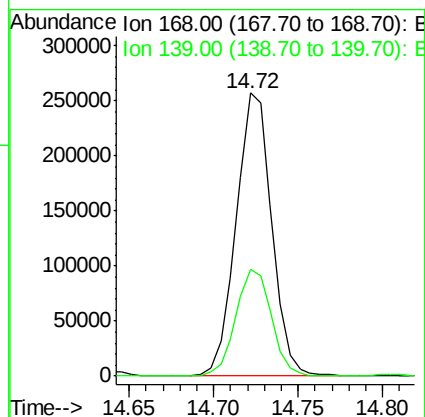
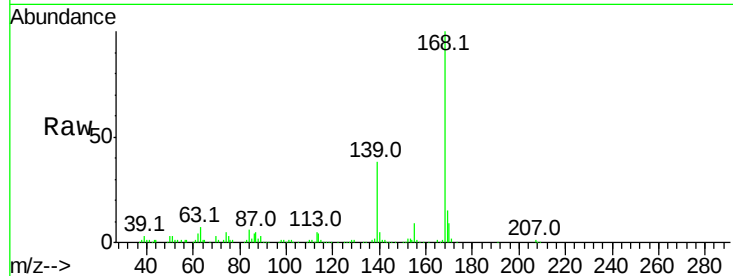
#53
Dibenzofuran
Concen: 9.751 ng/ul
RT: 14.72 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BM013396.D
Acq: 14 Dec 2017 04:29

Instrument :
BNA_M
ClientSampleId :
F9A19ME

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.6	30.8	46.2

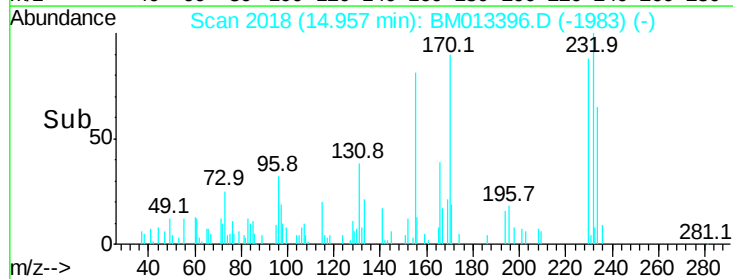
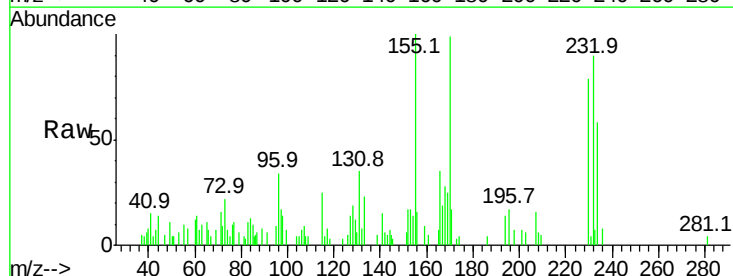
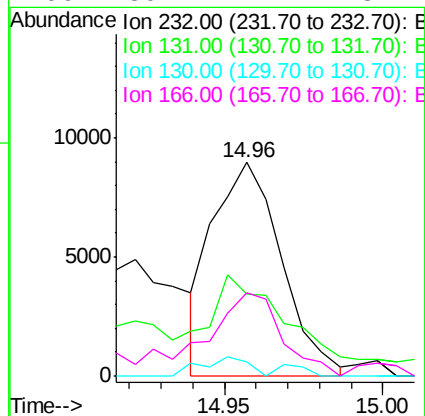
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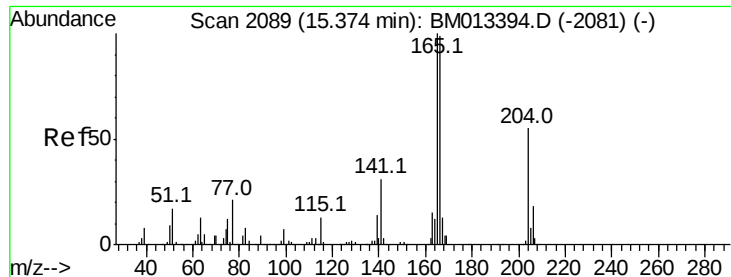
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#55
2,3,4,6-Tetrachlorophenol
Concen: 1.627 ng/ul
RT: 14.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BM013396.D
Acq: 14 Dec 2017 04:29

Tgt Ion	Ratio	Lower	Upper
232	100		
131	38.5	29.0	43.4
130	6.6	2.0	3.0#
166	39.1	21.4	32.2#





#58

Fluorene

Concen: 10.080 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

Instrument :

BNA_M

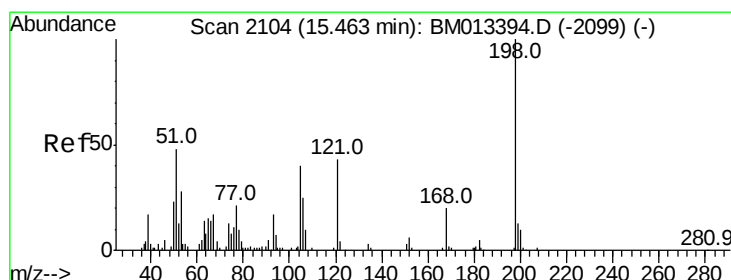
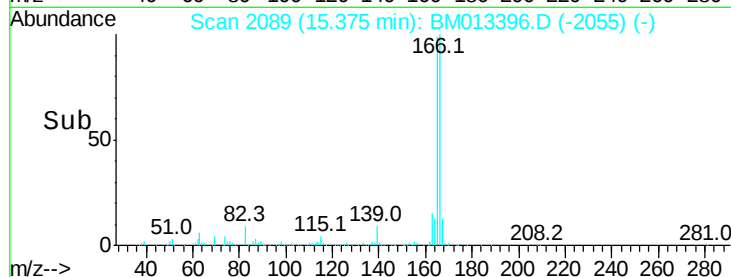
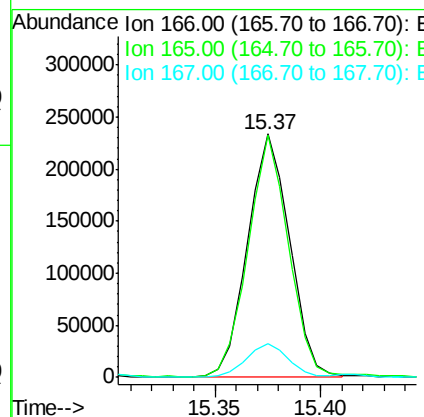
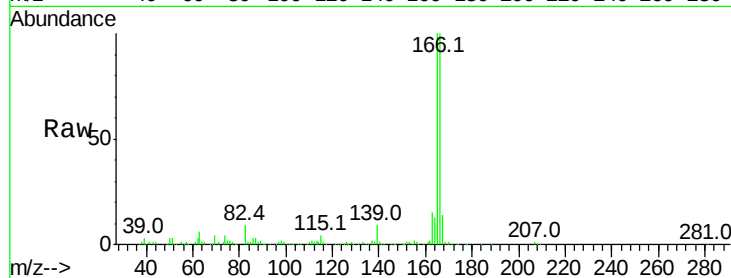
ClientSampleId :

F9A19ME

Tot Ion:	166	Resp:	322243
Ion Ratio	Lower	Upper	
166	100		
165	99.5	77.9	116.9
167	13.8	10.6	16.0

Manual Integrations
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#63

4,6-Dinitro-2-methylphenol

Concen: 1.657 ng/ul

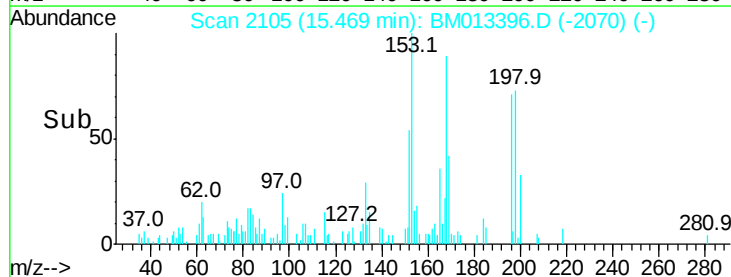
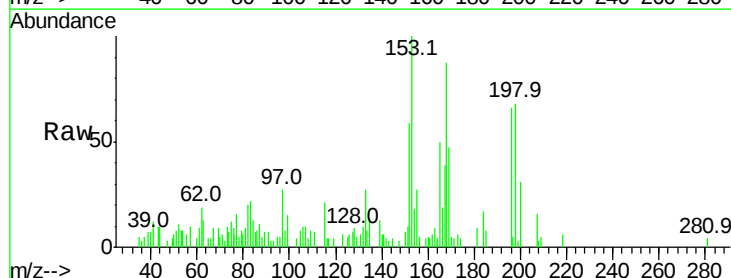
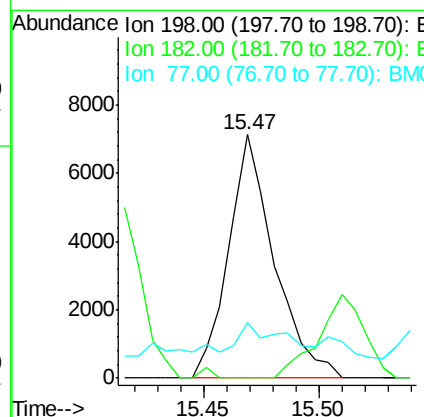
RT: 15.47 min Scan# 2105

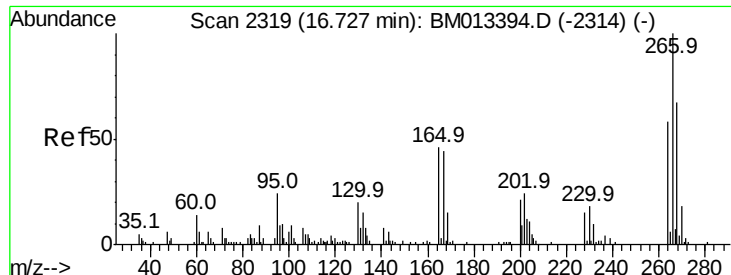
Delta R.T. 0.01 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

Tgt Ion:	198	Resp:	9823
Ion Ratio	Lower	Upper	
198	100		
182	0.0	3.8	5.6#
77	22.9	25.2	37.8#





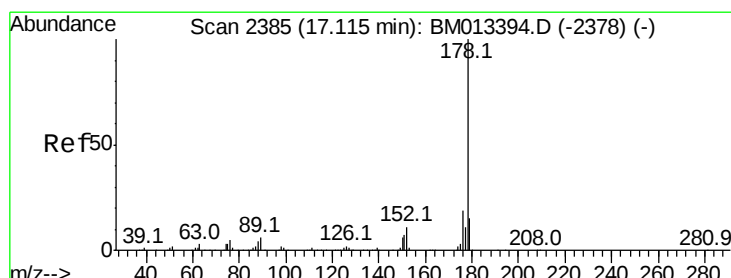
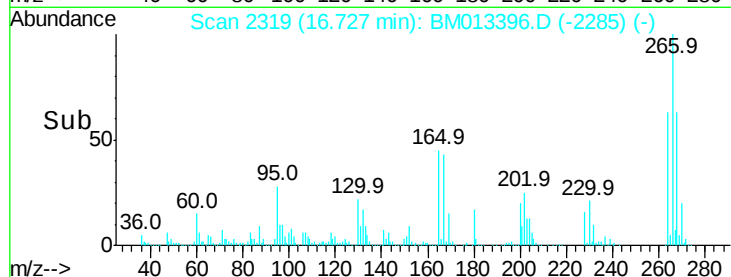
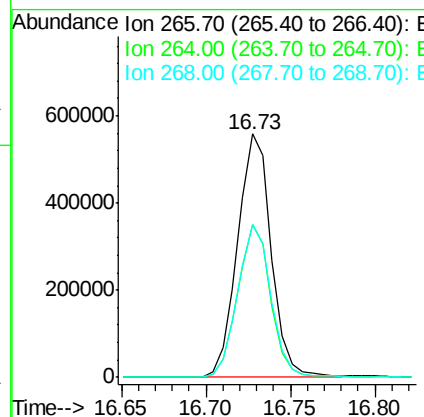
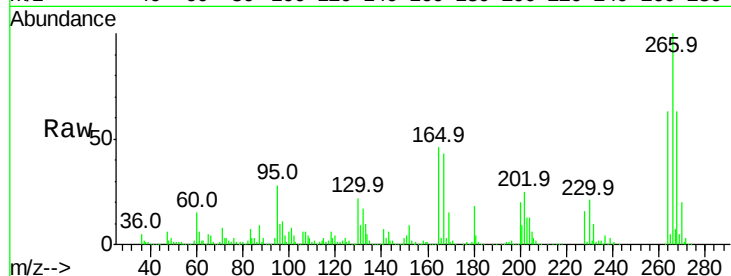
#68
 Pentachlorophenol
 Concen: 109.394 ng/ul
 RT: 16.73 min Scan# 2319
 Delta R.T. 0.00 min
 Lab File: BM013396.D
 Acq: 14 Dec 2017 04:29

Instrument :
 BNA_M
 ClientSampleId :
 F9A19ME

Tot Ion	Ratio	Resp	Lower	Upper
266	100	773451		
264	62.5	49.3	73.9	
268	62.5	52.6	78.8	

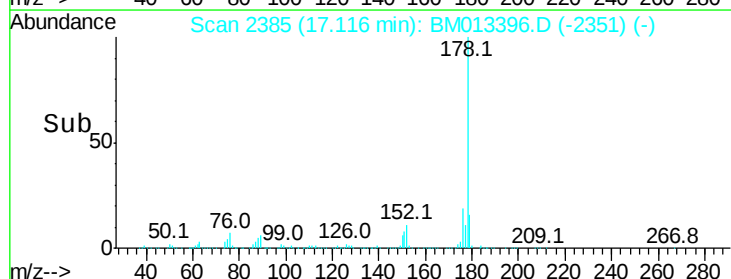
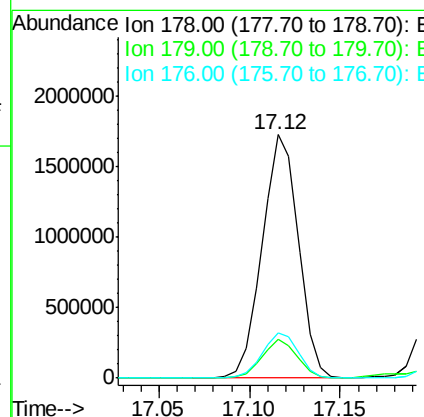
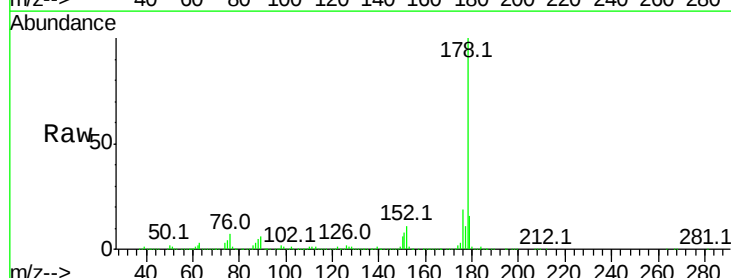
Manual Integrations
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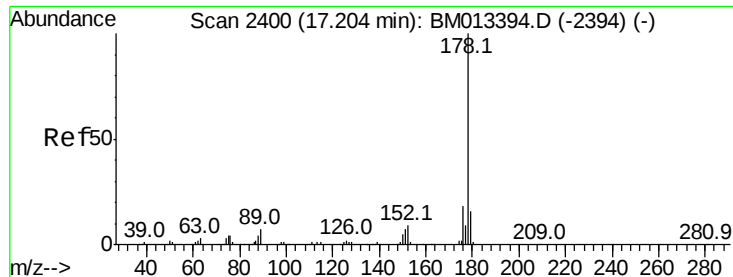
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#69
 Phenanthrene
 Concen: 44.680 ng/ul
 RT: 17.12 min Scan# 2385
 Delta R.T. 0.00 min
 Lab File: BM013396.D
 Acq: 14 Dec 2017 04:29

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2393598		
179	15.7	12.6	19.0	
176	18.8	14.9	22.3	





#71

Anthracene

Concen: 22.795 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

Instrument :

BNA_M

ClientSampled :

F9A19ME

Tot Ion:178 Resp: 1248271

Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.7	17.5
176	17.2	14.6	21.8

178 100

179 15.6 11.7 17.5

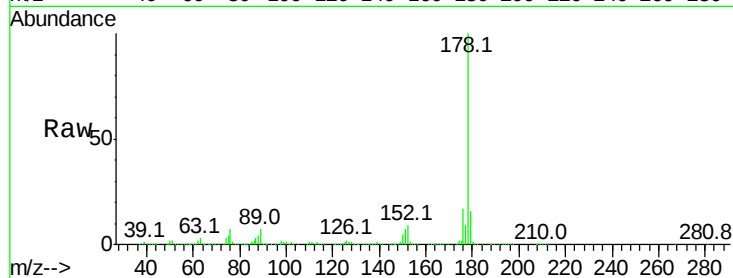
176 17.2 14.6 21.8

Manual Integrations

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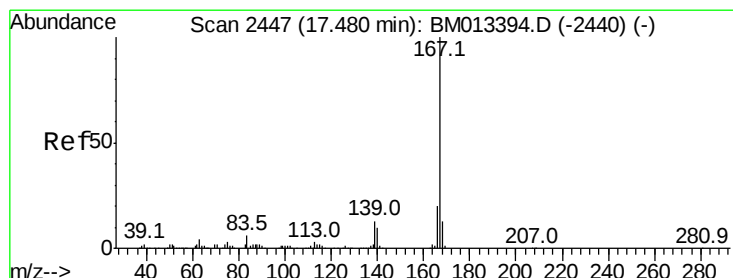
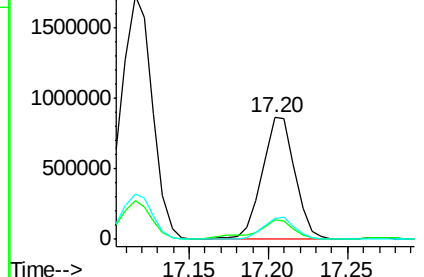
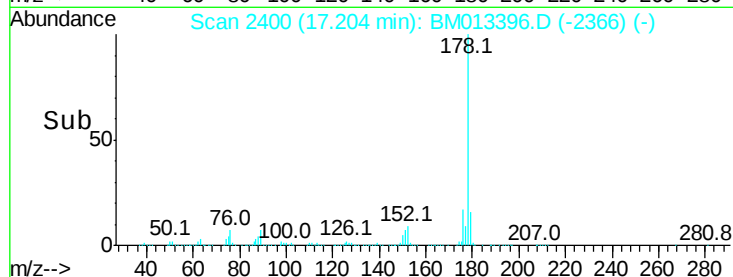
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Carbazole

Concen: 4.392 ng/ul

RT: 17.48 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

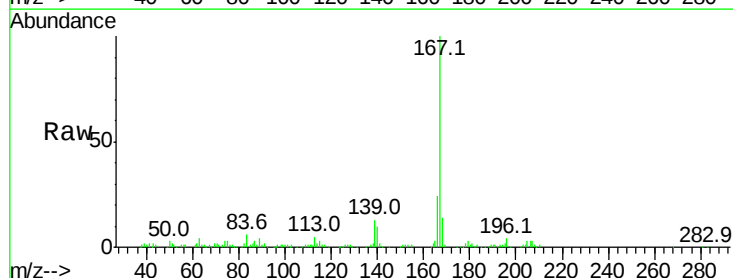
Tgt Ion:167 Resp: 206860

Ion	Ratio	Lower	Upper
167	100		
166	24.2	17.1	25.7
139	12.6	10.0	15.0

167 100

166 24.2 17.1 25.7

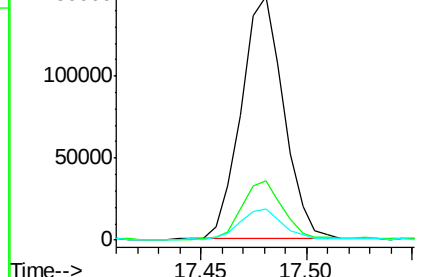
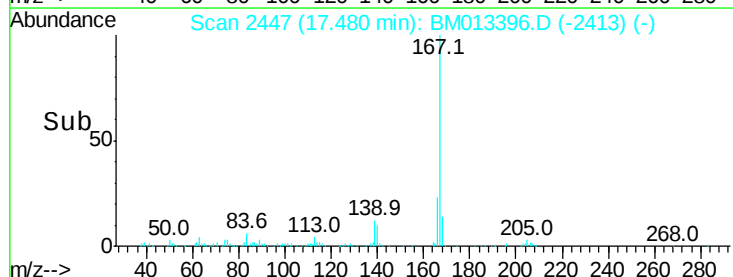
139 12.6 10.0 15.0

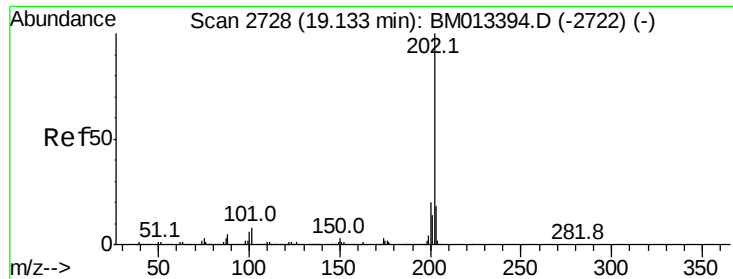


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





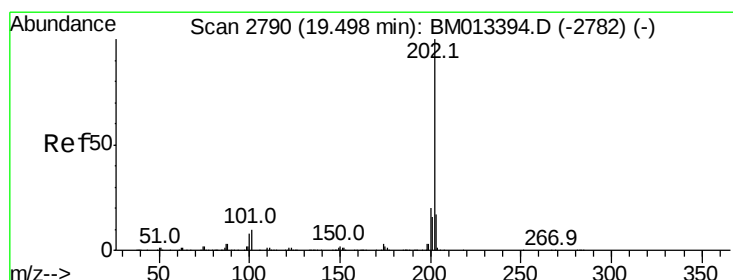
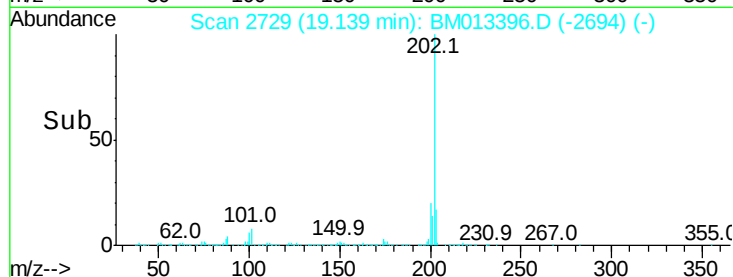
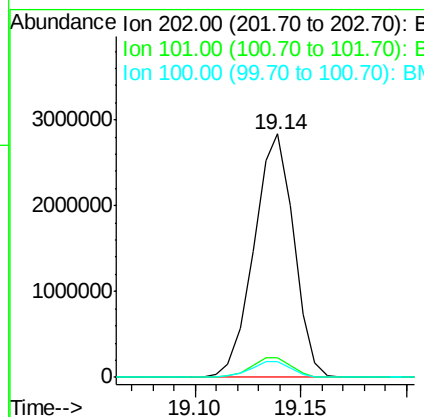
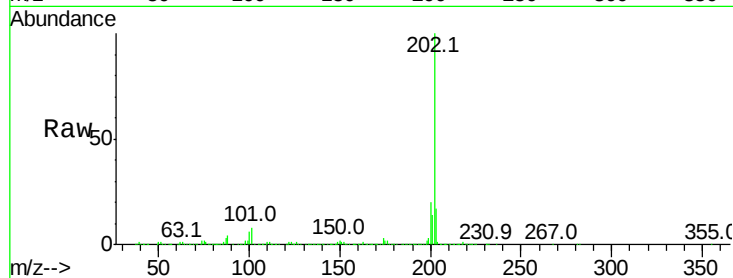
#74
 Fluoranthene
 Concen: 56.440 ng/ul
 RT: 19.14 min Scan# 2729
 Delta R.T. 0.01 min
 Lab File: BM013396.D
 Acq: 14 Dec 2017 04:29

Instrument :
 BNA_M
 ClientSampleId :
 F9A19ME

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.9	4.6	7.0#
100	6.5	3.4	5.2#

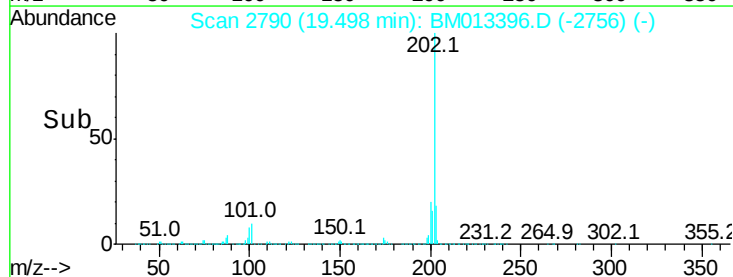
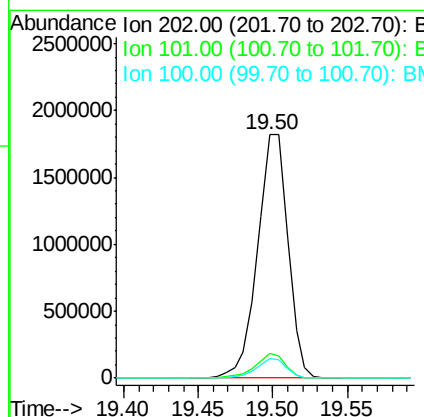
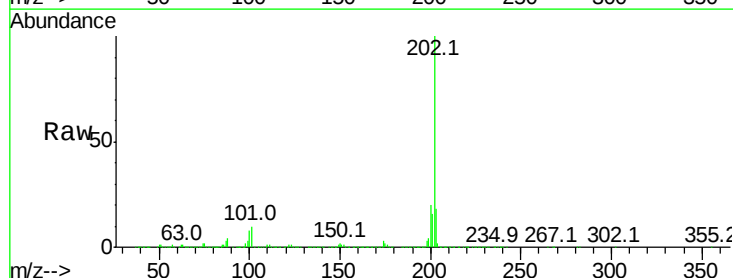
Manual Integrations
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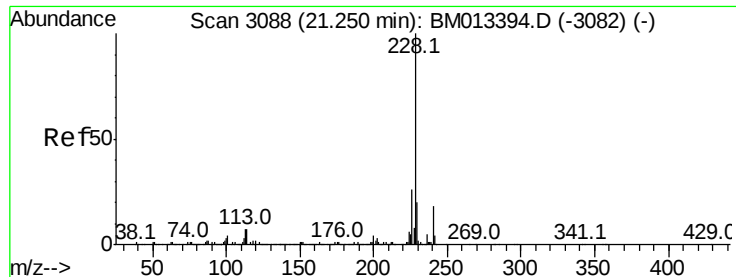
Sohil
 12/15/2017 7:34:44 PM



#77
 Pyrene
 Concen: 36.181 ng/ul
 RT: 19.50 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: BM013396.D
 Acq: 14 Dec 2017 04:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	5.1	7.7#
100	8.1	4.9	7.3#





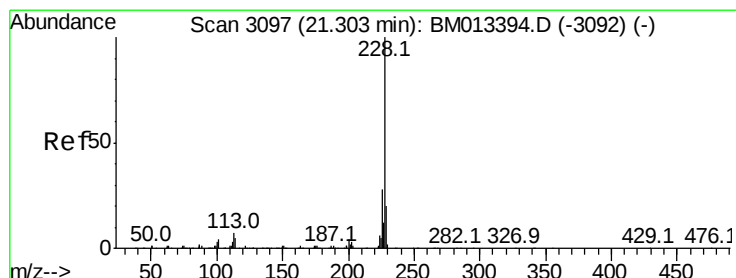
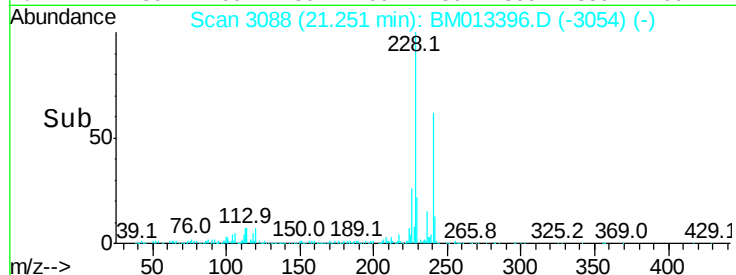
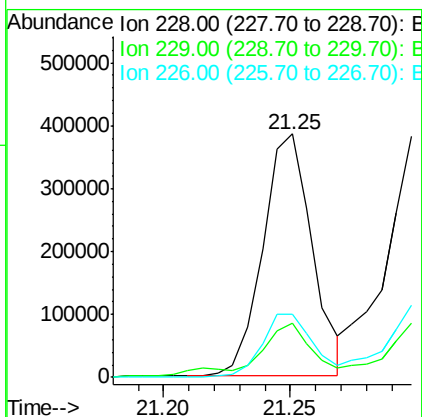
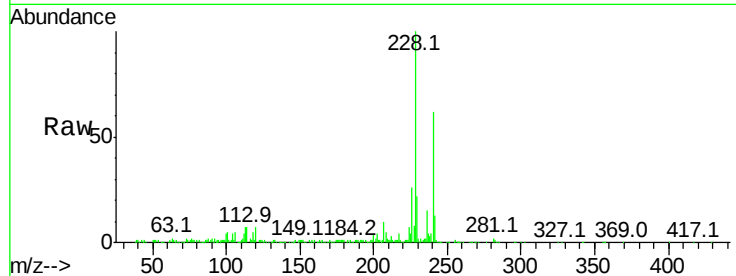
#80
Benzo(a)anthracene
Concen: 7.116 ng/ul
RT: 21.25 min Scan# 3088
Delta R.T. 0.00 min
Lab File: BM013396.D
Acq: 14 Dec 2017 04:29

Instrument :
BNA_M
ClientSampled :
F9A19ME

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.1	15.4	23.0
226	26.0	21.4	32.0

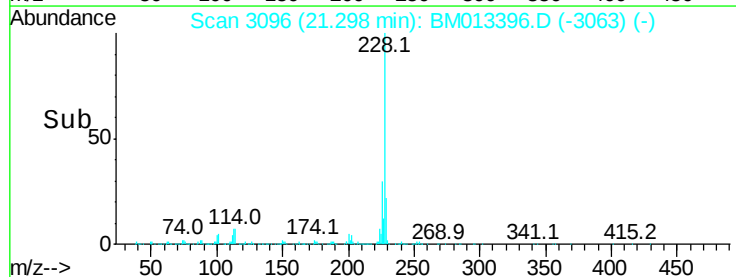
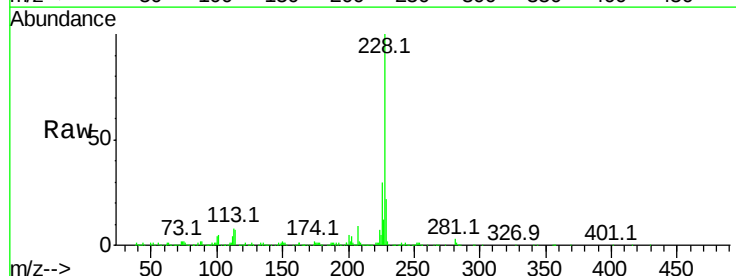
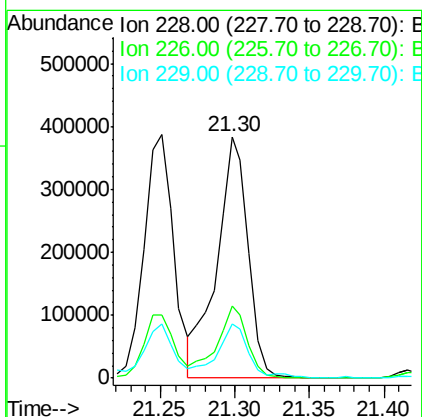
Manual Integrations
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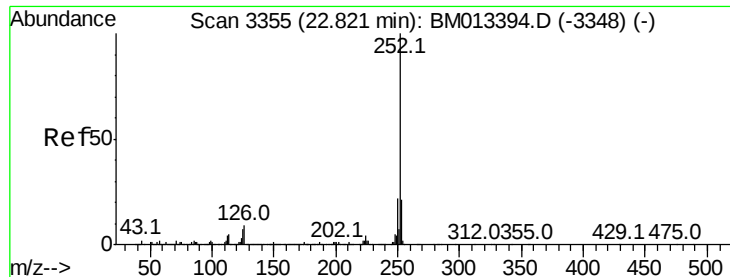
Sohil
12/15/2017 7:34:44 PM



#82
Chrysene
Concen: 8.223 ng/ul
RT: 21.30 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BM013396.D
Acq: 14 Dec 2017 04:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	22.3	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 4.879 ng/ul

RT: 22.82 min Scan# 3355

Delta R.T. 0.00 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

Instrument :

BNA_M

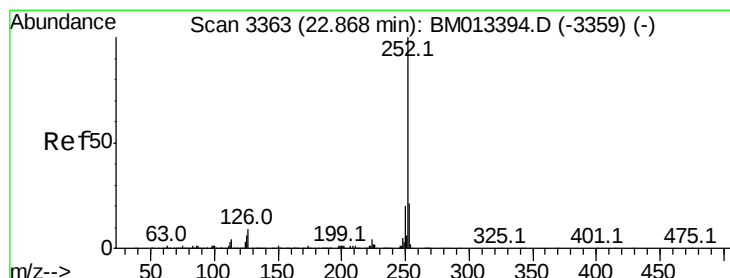
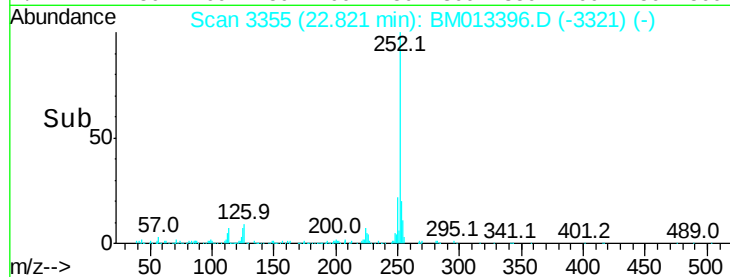
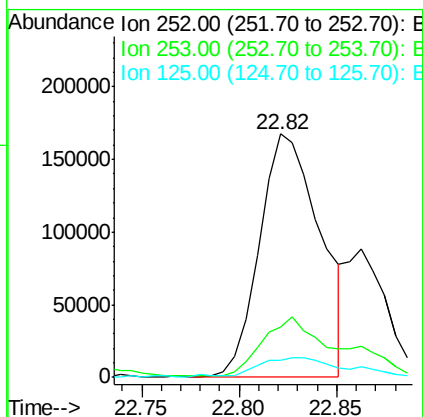
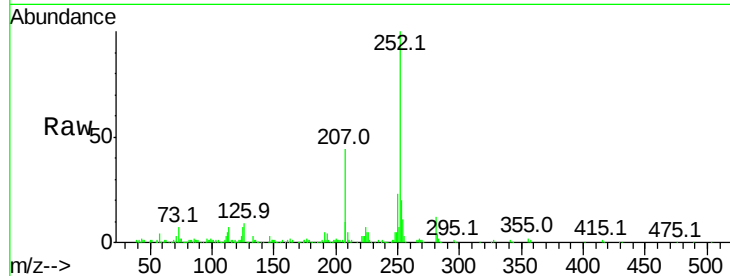
ClientSampleId :

F9A19ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.9	26.9
125	7.0	3.6	5.4#

Manual Integrations
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#86

Benzo(k)fluoranthene

Concen: 1.714 ng/ul

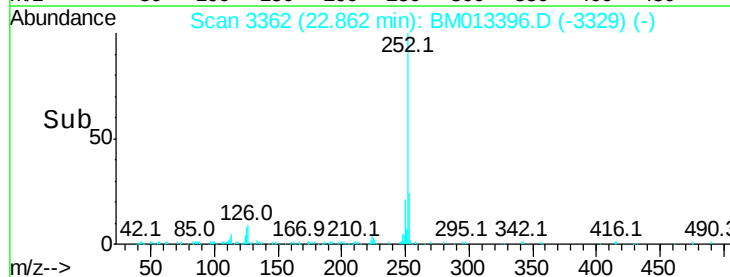
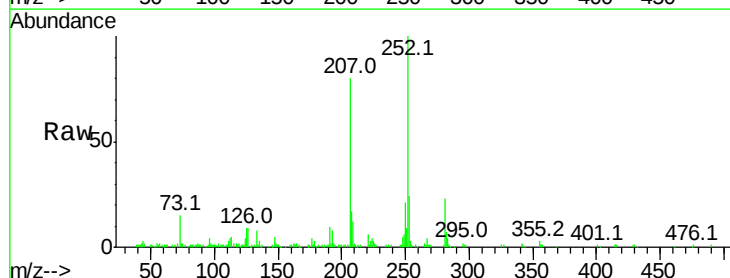
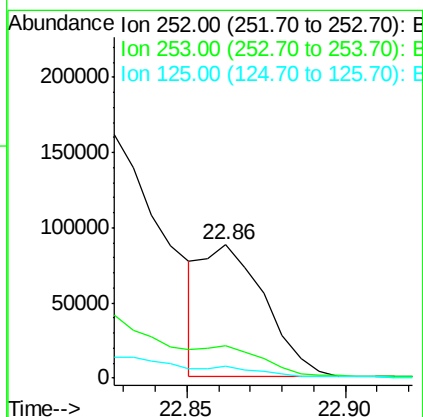
RT: 22.86 min Scan# 3362

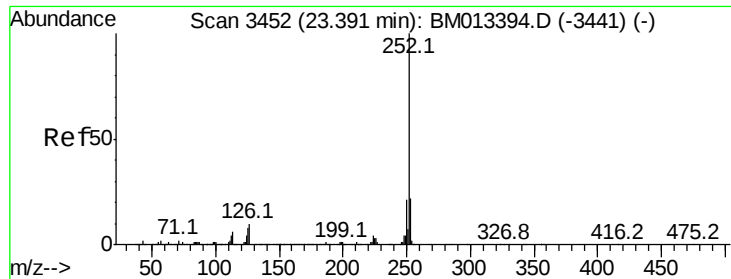
Delta R.T. -0.01 min

Lab File: BM013396.D

Acq: 14 Dec 2017 04:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	8.6	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 1.872 ng/ul

RT: 23.39 min Scan# 3452

Delta R.T. 0.00 min

Lab File: BM013396.D

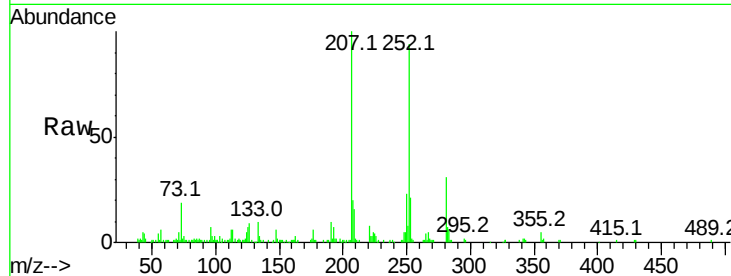
Acq: 14 Dec 2017 04:29

Instrument :

BNA_M

ClientSampleId :

F9A19ME



Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.7	18.2	27.2
125	7.4	4.0	6.0

Manual Integrations
APPROVED

Sohil
12/15/2017 7:34:44 PM

