

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121417\
 Data File : BM013438.D
 Acq On : 15 Dec 2017 14:21
 Operator : SJ/JU
 Sample : I6759-11MEDL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A19MEDL

Manual Integrations
 APPROVED

Sohil
 12/15/2017 6:49:30 PM

Quant Time: Dec 15 15:22:45 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 04:56:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	184435	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	803045	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	477097	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1118934	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1263481	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	1043956	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	1274	0.34	ng/uL	0.00
5) Phenol-d5	6.86	99	24972	1.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	19181	2.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	25311	2.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	25534	1.87	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	13701	2.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	13285	1.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	24883	1.77	ng/ul	0.01
29) 4-Chloroaniline-d4	10.61	131	25326	1.96	ng/ul	0.01
43) Dimethylphthalate-d6	13.73	166	99417	2.34	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	118563	2.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	8464	1.15	ng/ul	0.01
57) Fluorene-d10	15.32	176	87979	2.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	12638	1.80	ng/ul	0.00
70) Anthracene-d10	17.17	188	136841	2.44	ng/ul	0.00
76) Pyrene-d10	19.46	212	155505	2.47	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	112076	2.11	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.50	128	768373	18.598	ng/ul	98
34) 2-Methylnaphthalene	12.12	142	276050	8.888	ng/ul	92
40) 1,1'-Biphenyl	13.15	154	46561	1.155	ng/ul	100
49) Acenaphthene	14.38	153	513260	15.540	ng/ul	98
53) Dibenzofuran	14.72	168	470892	9.658	ng/ul	100
55) 2,3,4,6-Tetrachlorophenol	14.95	232	19111	1.828	ng/ul#	96
58) Fluorene	15.37	166	388125	9.622	ng/ul	97
68) Pentachlorophenol	16.73	266	915322	109.101	ng/ul	99
69) Phenanthrene	17.12	178	2854853	44.910	ng/ul	98
71) Anthracene	17.20	178	1503885	23.145	ng/ul	98
72) Carbazole	17.47	167	254434	4.552	ng/ul	98
74) Fluoranthene	19.13	202	4246649	54.513	ng/ul#	93
77) Pyrene	19.50	202	2914040	37.963	ng/ul#	93
80) Benzo(a)anthracene	21.24	228	566960	7.072	ng/ul	98
82) Chrysene	21.30	228	603084	8.109	ng/ul	98
85) Benzo(b)fluoranthene	22.82	252	352624	5.011	ng/ul#	97
86) Benzo(k)fluoranthene	22.86	252	117924m	1.781	ng/ul	
88) Benzo(a)pyrene	23.39	252	123538	1.954	ng/ul#	97

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

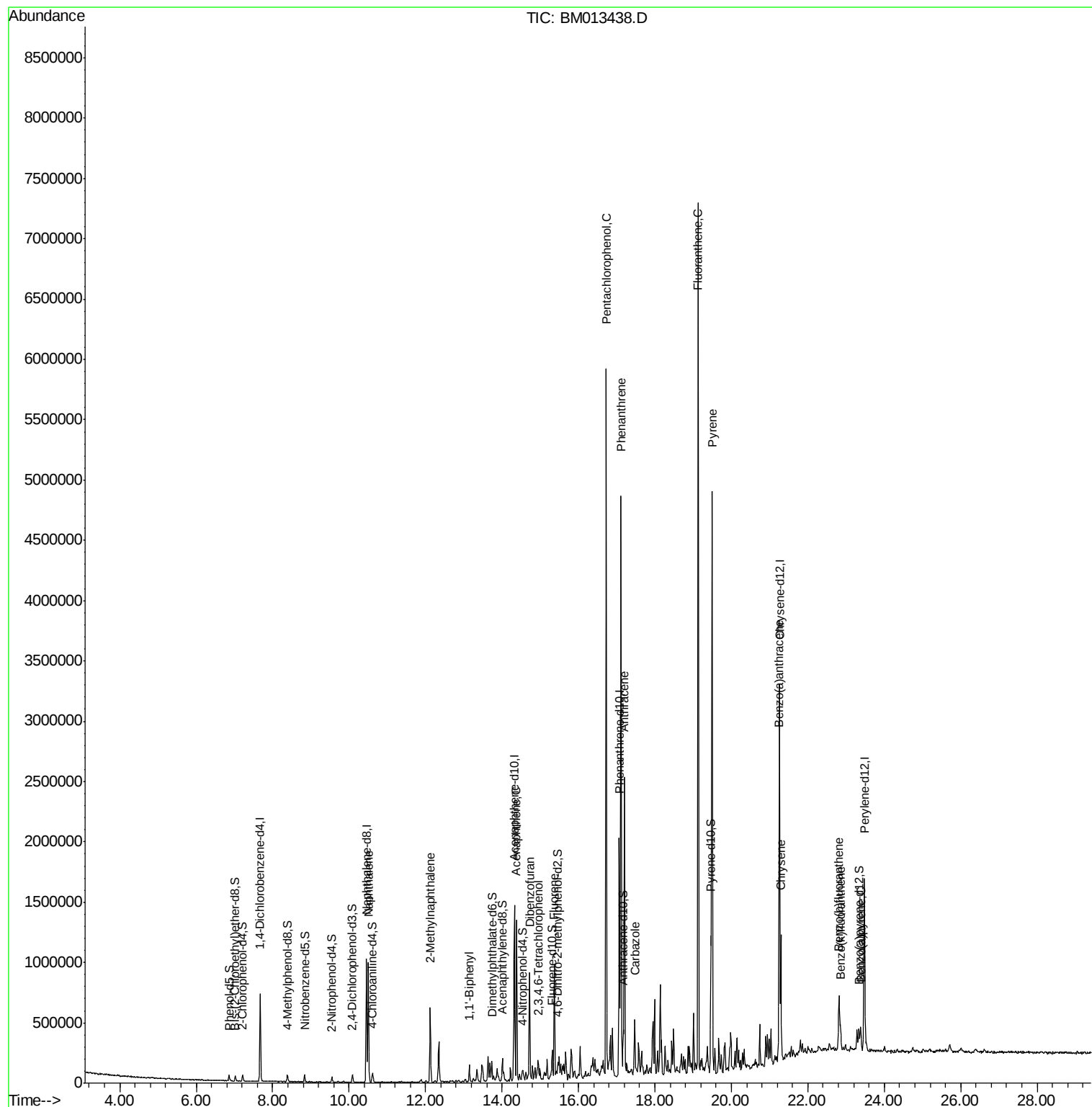
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013438.D
Acq On : 15 Dec 2017 14:21
Operator : SJ/JU
Sample : I6759-11MEDL 10X
Misc :
ALS Vial : 36 Sample Multiplier: 1

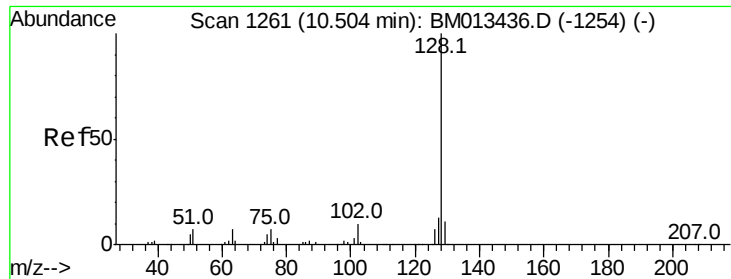
Instrument :
BNA_M
ClientSampleId :
F9A19MEDL

Manual Integrations
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12/15/2017 6:49:30 PM

Quant Time: Dec 15 15:22:45 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 04:56:09 2017
Response via : Initial Calibration





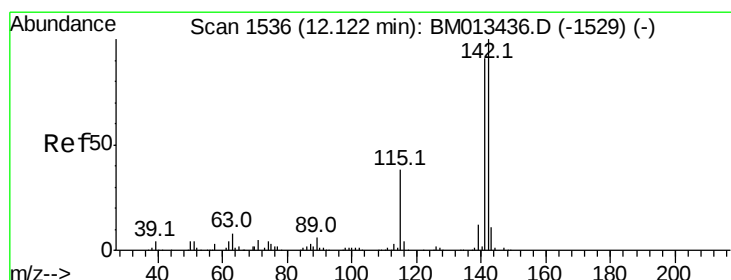
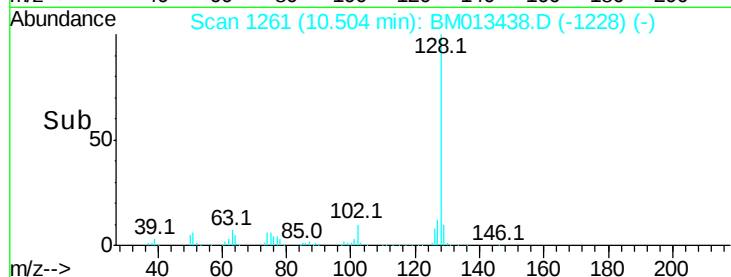
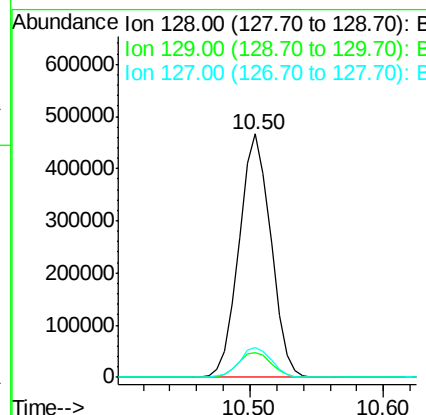
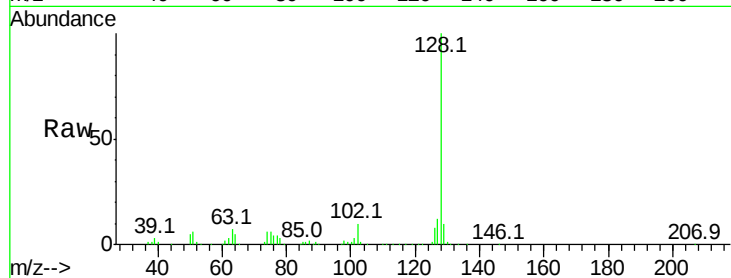
#28
Naphthalene
Concen: 18.598 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BM013438.D
Acq: 15 Dec 2017 14:21

Instrument :
BNA_M
ClientSampleId :
F9A19MEDL

Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	10.1	8.8	13.2
127	12.5	10.6	16.0

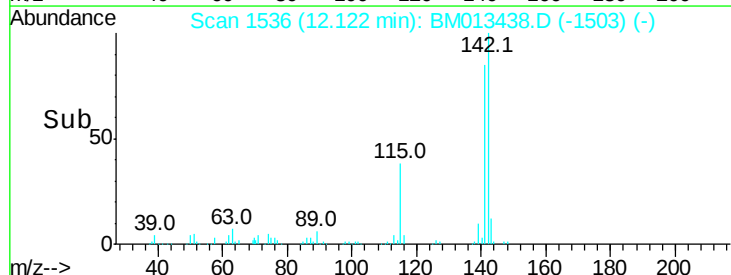
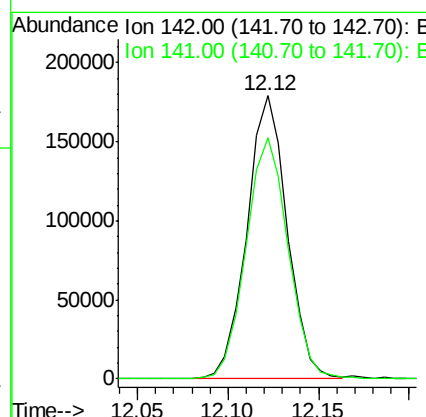
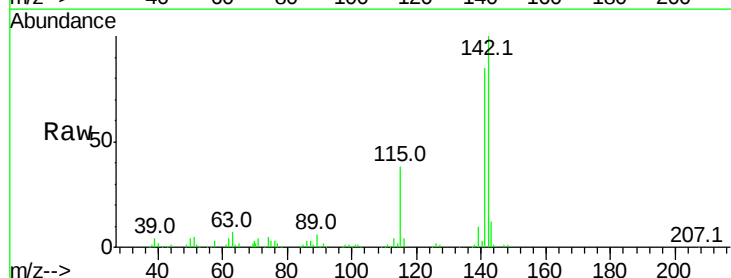
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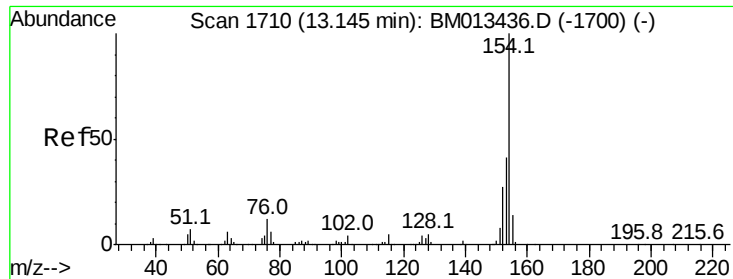
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#34
2-Methylnaphthalene
Concen: 8.888 ng/ul
RT: 12.12 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BM013438.D
Acq: 15 Dec 2017 14:21

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
141	85.3	74.1	111.1





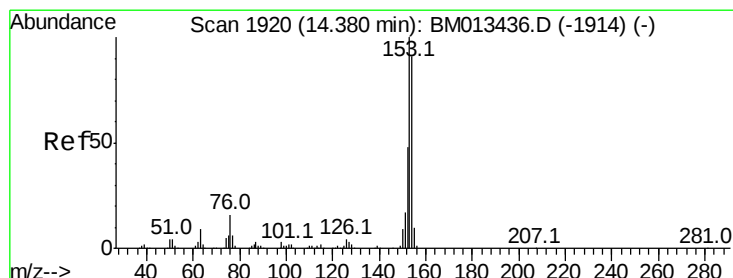
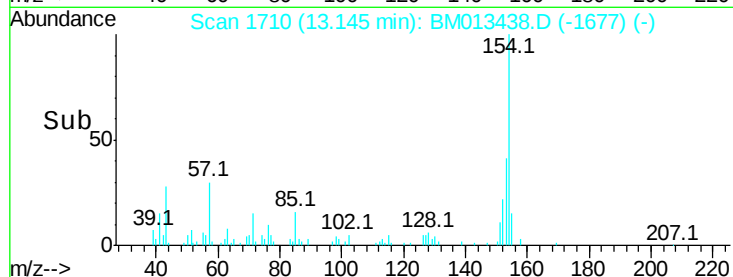
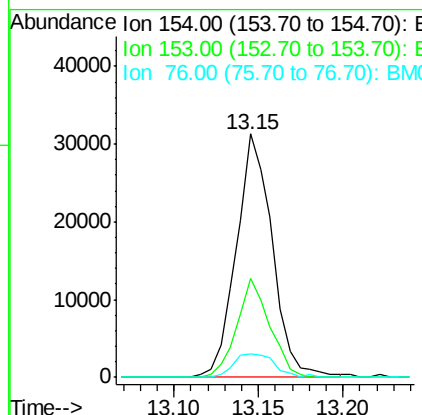
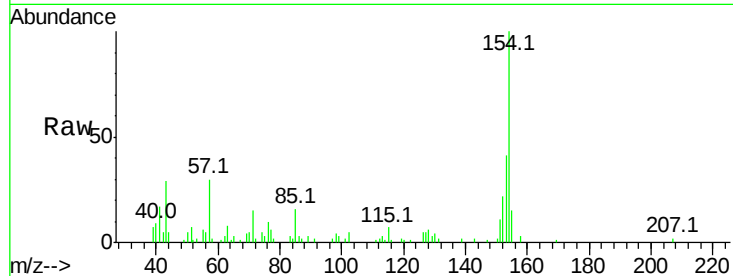
#40
1,1'-Biphenyl
Concen: 1.155 ng/ul
RT: 13.15 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BM013438.D
Acq: 15 Dec 2017 14:21

Instrument :
BNA_M
ClientSampleId :
F9A19MEDL

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.6	32.6	48.8
76	9.9	8.5	12.7

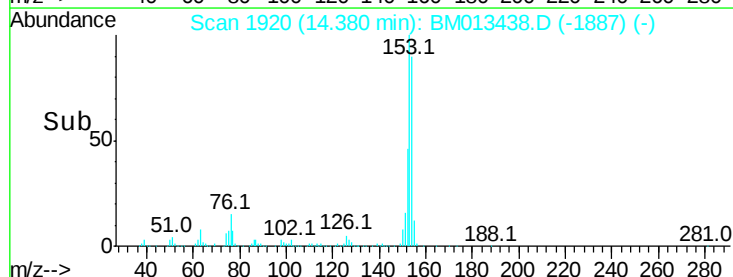
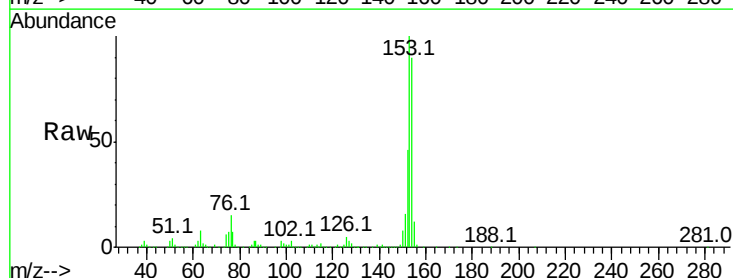
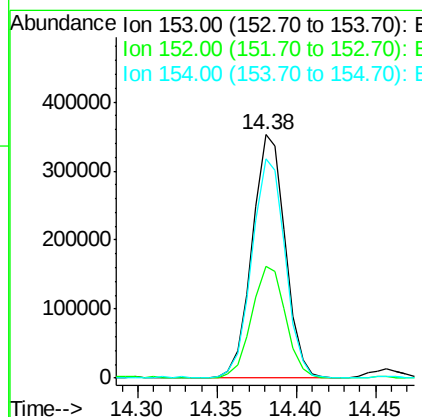
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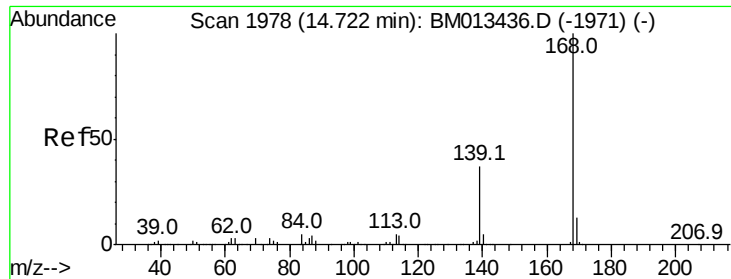
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#49
Acenaphthene
Concen: 15.540 ng/ul
RT: 14.38 min Scan# 1920
Delta R.T. -0.01 min
Lab File: BM013438.D
Acq: 15 Dec 2017 14:21

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.2	37.6	56.4
154	90.1	70.4	105.6





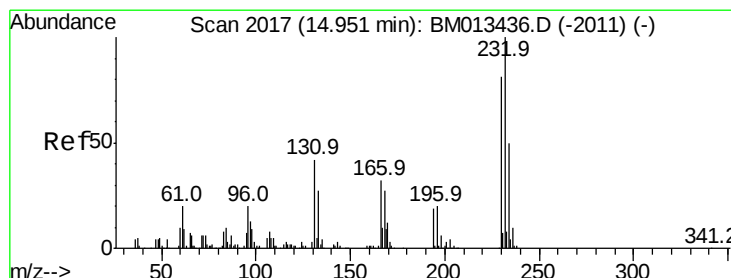
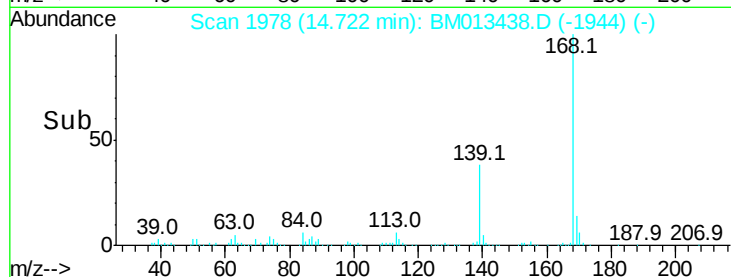
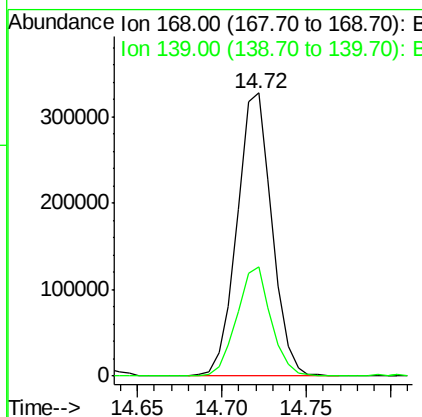
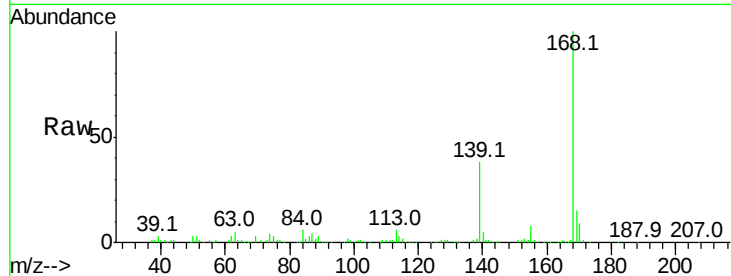
#53
Dibenzofuran
Concen: 9.658 ng/ul
RT: 14.72 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BM013438.D
Acq: 15 Dec 2017 14:21

Instrument :
BNA_M
ClientSampleId :
F9A19MEDL

Tot Ion:168 Resp: 470892
Ion Ratio Lower Upper
168 100
139 38.4 30.8 46.2

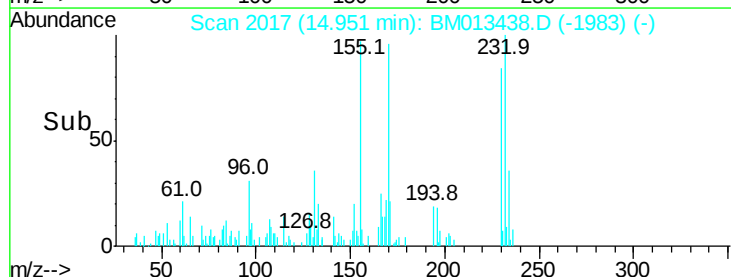
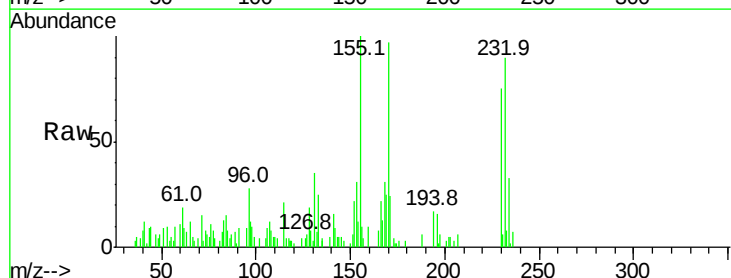
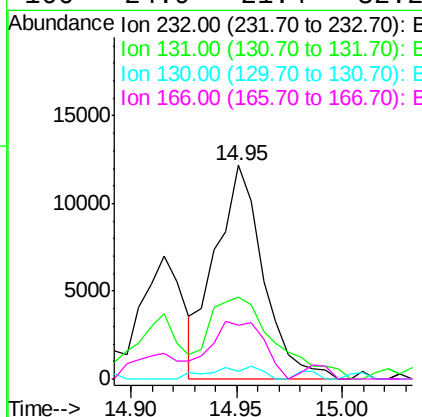
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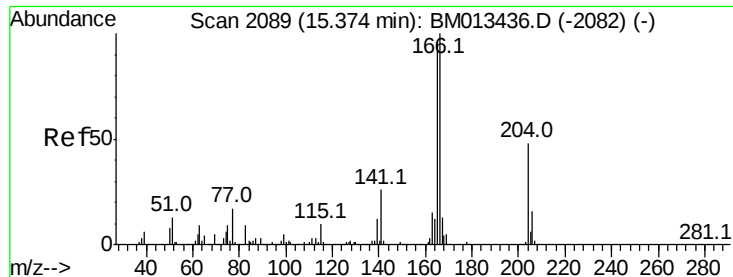
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#55
2,3,4,6-Tetrachlorophenol
Concen: 1.828 ng/ul
RT: 14.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BM013438.D
Acq: 15 Dec 2017 14:21

Tgt Ion:232 Resp: 19111
Ion Ratio Lower Upper
232 100
131 38.6 29.0 43.4
130 3.5 2.0 3.0#
166 24.9 21.4 32.2





#58

Fluorene

Concen: 9.622 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

Instrument :

BNA_M

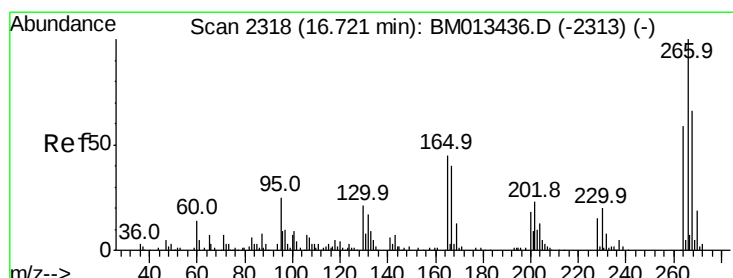
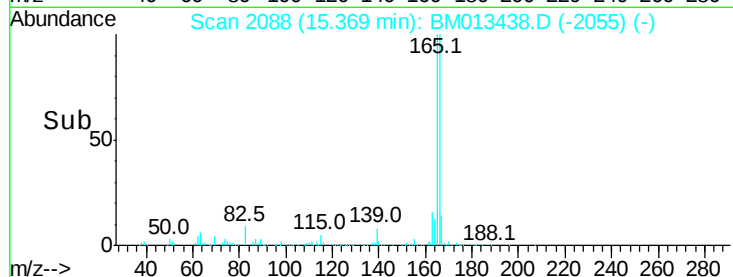
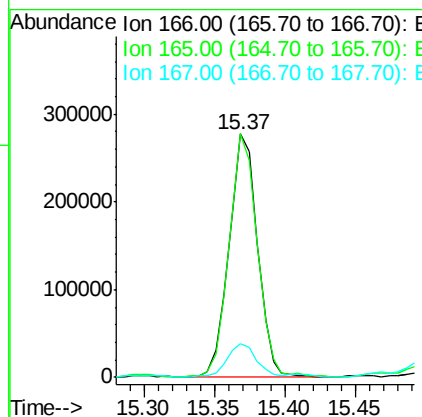
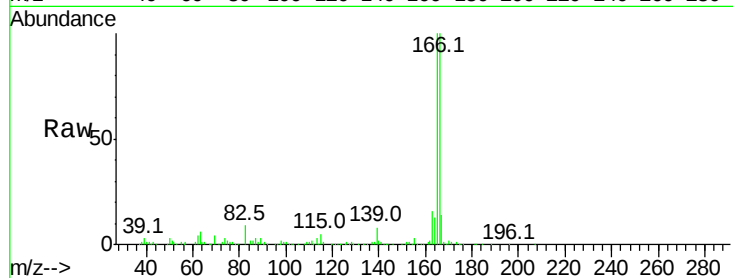
ClientSampleId :

F9A19MEDL

Tot Ion:	166	Resp:	388125
Ion Ratio	Lower	Upper	
166	100		
165	100.1	77.9	116.9
167	13.8	10.6	16.0

Manual Integrations
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#68

Pentachlorophenol

Concen: 109.101 ng/ul

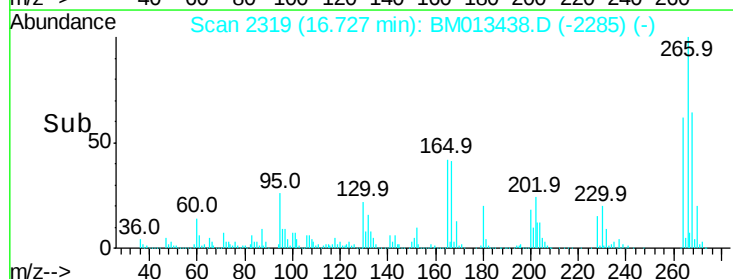
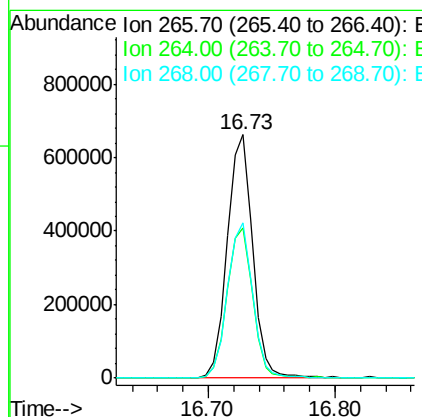
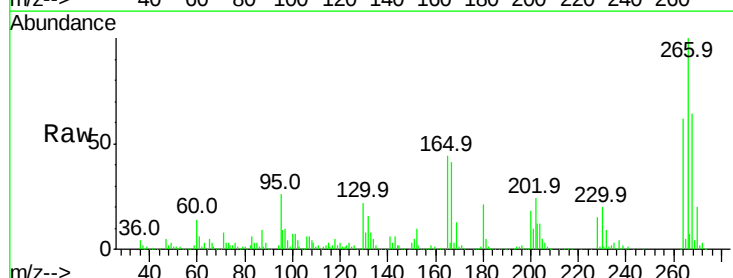
RT: 16.73 min Scan# 2319

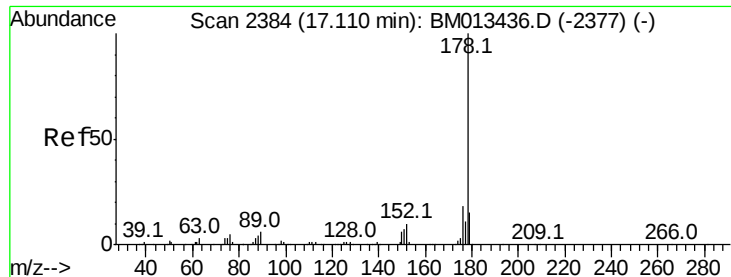
Delta R.T. 0.00 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

Tgt Ion:	266	Resp:	915322
Ion Ratio	Lower	Upper	
266	100		
264	61.9	49.3	73.9
268	63.7	52.6	78.8





#69

Phenanthrene

Concen: 44.910 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. 0.00 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

Instrument :

BNA_M

ClientSampleId :

F9A19MEDL

Tot Ion:178 Resp: 2854853

Ion Ratio Lower Upper

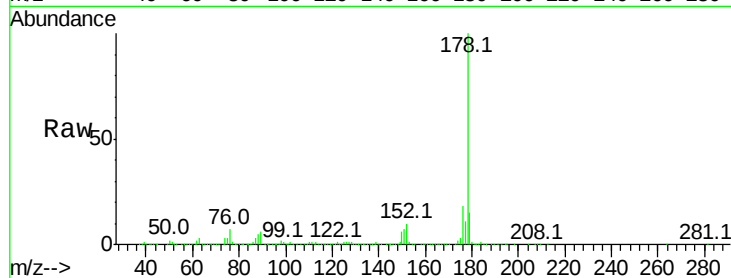
178 100

179 14.6 12.6 19.0

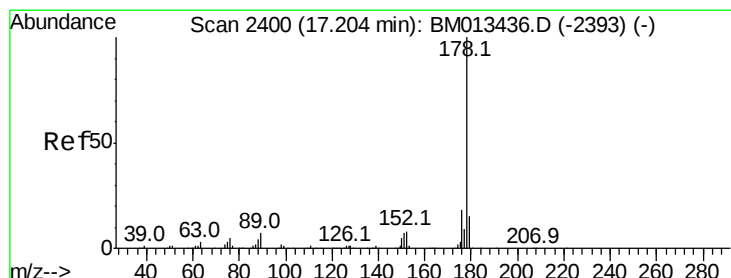
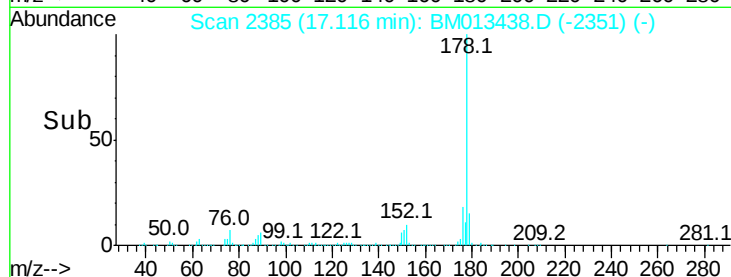
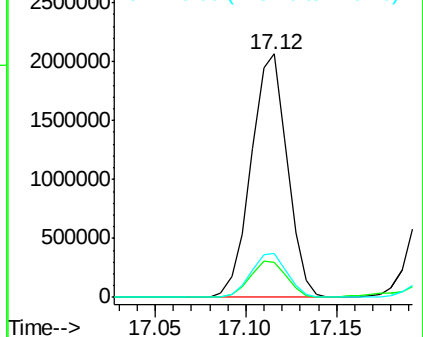
176 18.3 14.9 22.3

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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



#71

Anthracene

Concen: 23.145 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

Tgt Ion:178 Resp: 1503885

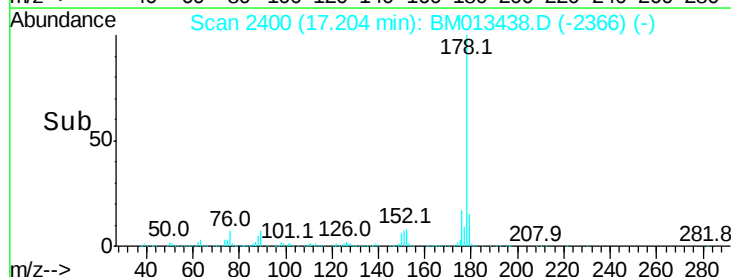
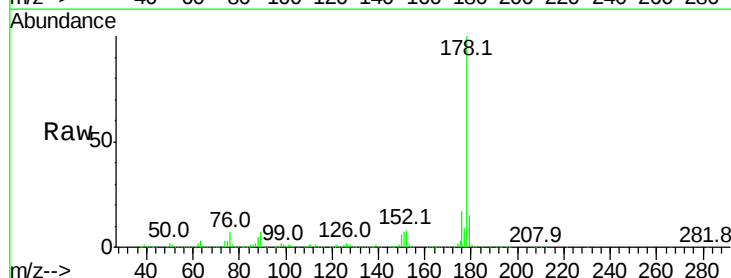
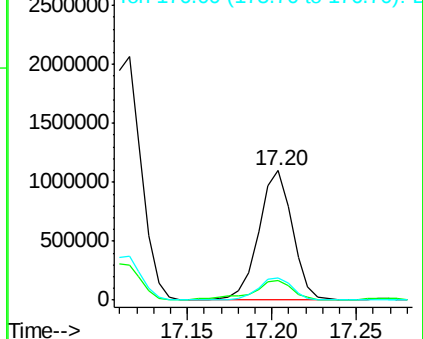
Ion Ratio Lower Upper

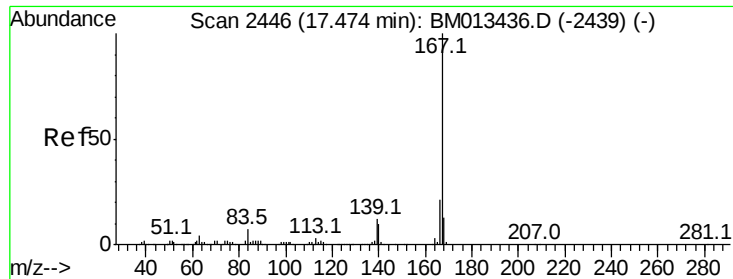
178 100

179 15.3 11.7 17.5

176 16.9 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: 4.552 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

Instrument :

BNA_M

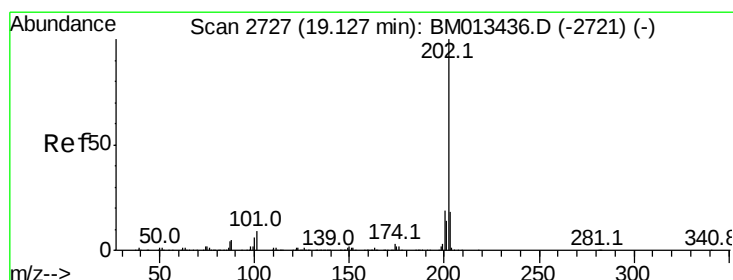
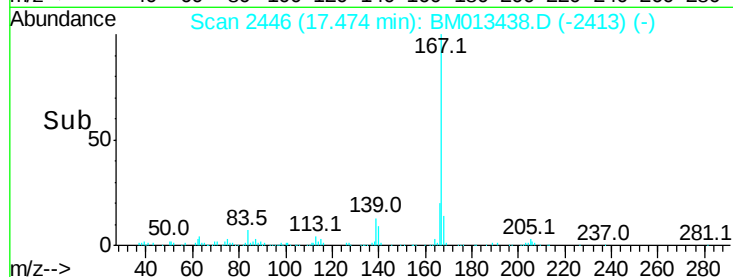
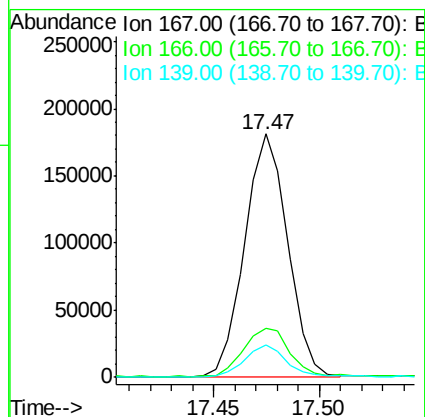
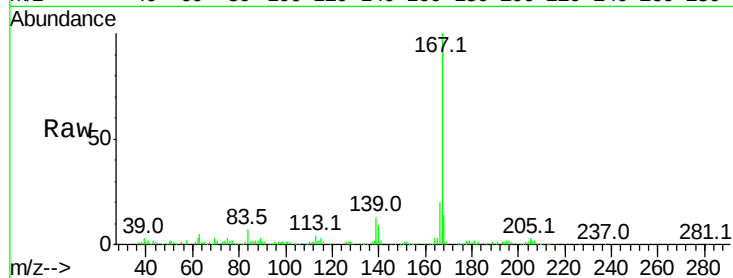
ClientSampleId :

F9A19MEDL

Tot Ion:	167	Resp:	254434
Ion Ratio	Lower	Upper	
167	100		
166	20.2	17.1	25.7
139	13.2	10.0	15.0

Manual Integrations
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#74

Fluoranthene

Concen: 54.513 ng/ul

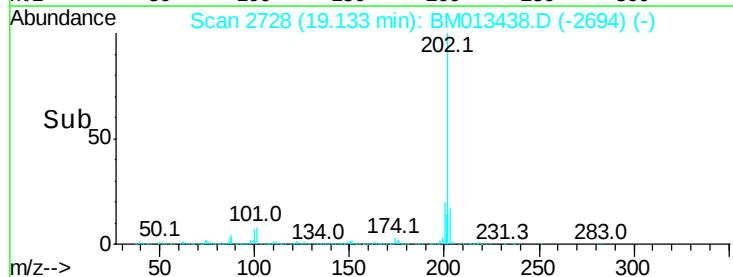
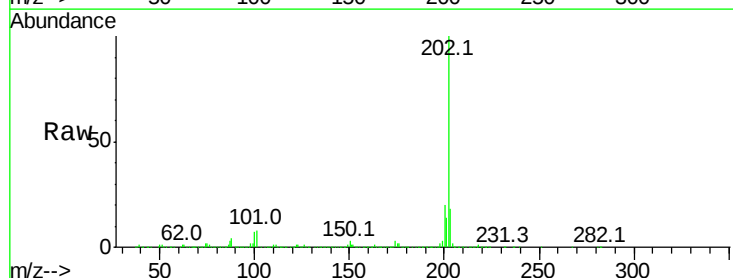
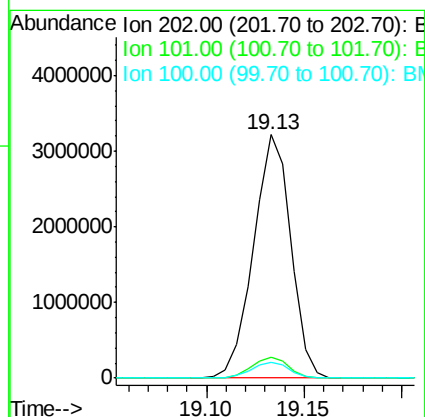
RT: 19.13 min Scan# 2728

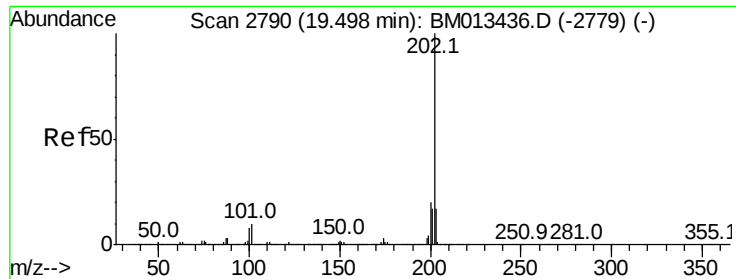
Delta R.T. 0.00 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

Tgt Ion:	202	Resp:	4246649
Ion Ratio	Lower	Upper	
202	100		
101	8.4	4.6	7.0#
100	6.6	3.4	5.2#





#77

Pvrene

Concen: 37.963 ng/ul

RT: 19.50 min Scan# 2790

Delta R.T. 0.00 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

Instrument :

BNA_M

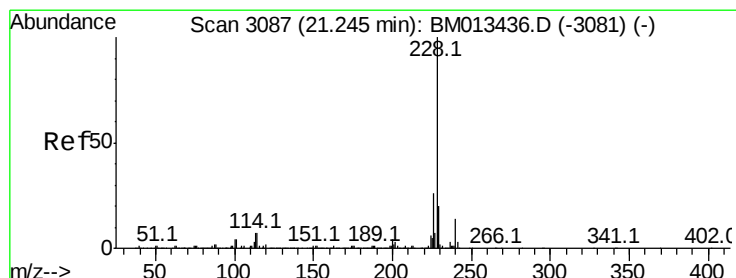
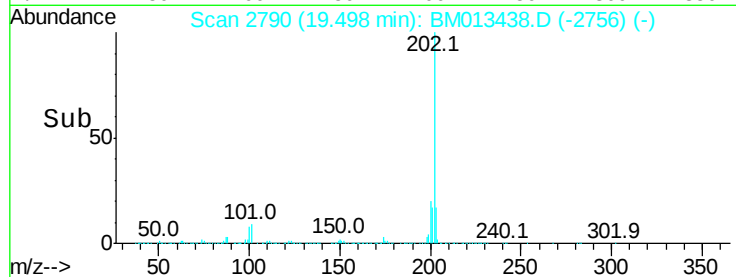
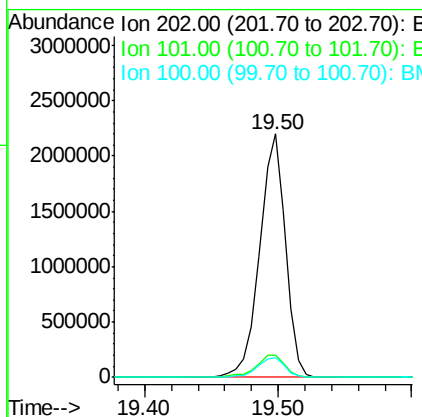
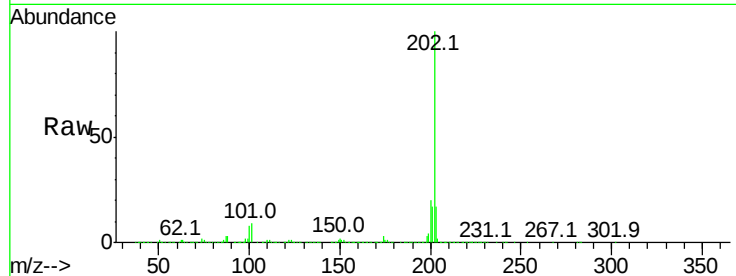
ClientSampled :

F9A19MEDL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	2914040		
101	9.1	5.1	7.7#	
100	8.1	4.9	7.3#	

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#80

Benzo(a)anthracene

Concen: 7.072 ng/ul

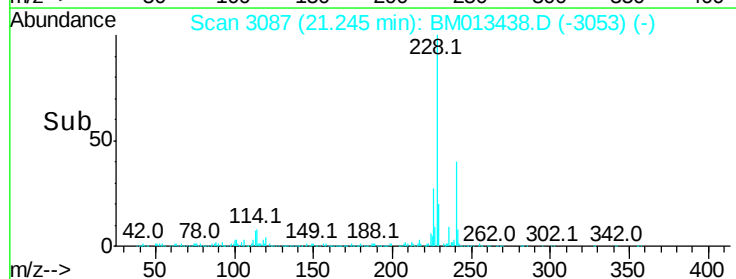
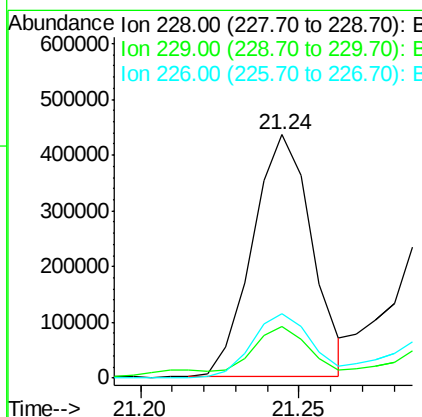
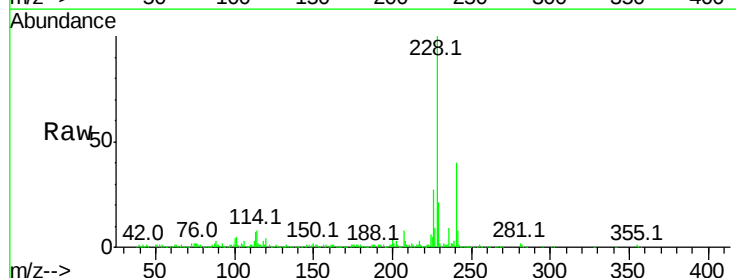
RT: 21.24 min Scan# 3087

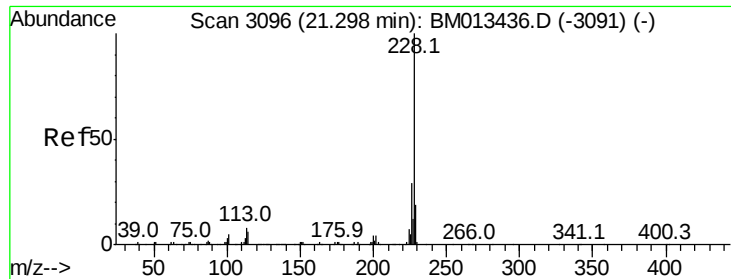
Delta R.T. 0.00 min

Lab File: BM013438.D

Acq: 15 Dec 2017 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	566960		
229	21.0	15.4	23.0	
226	26.6	21.4	32.0	





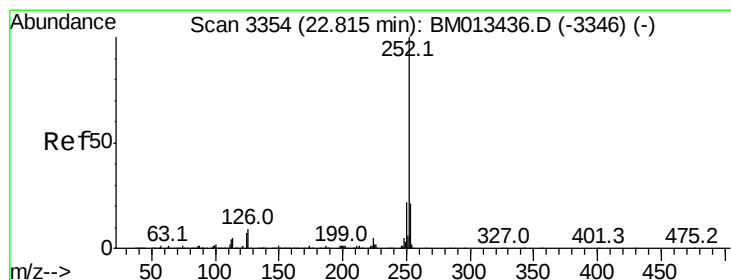
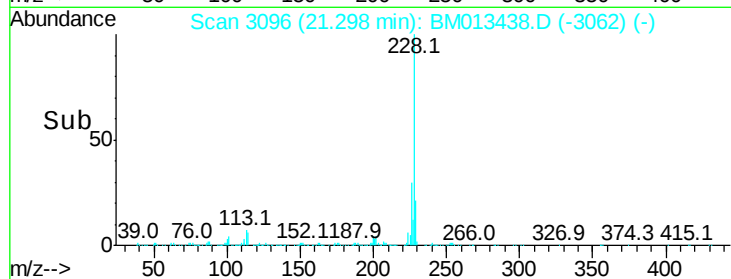
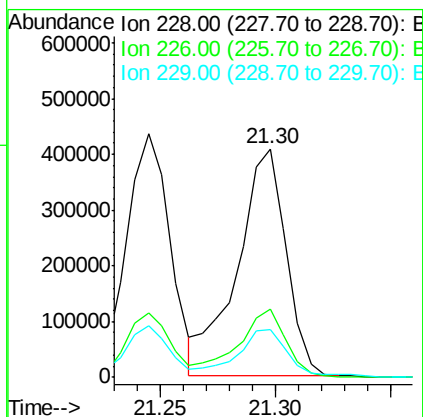
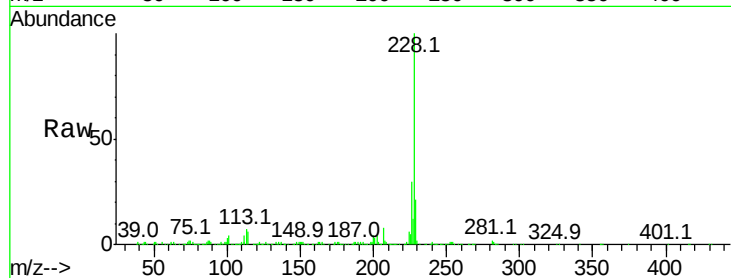
#82
Chrysene
Concen: 8.109 ng/ul
RT: 21.30 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BM013438.D
Acq: 15 Dec 2017 14:21

Instrument :
BNA_M
ClientSampled :
F9A19MEDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.2
229	20.7	15.5	23.3

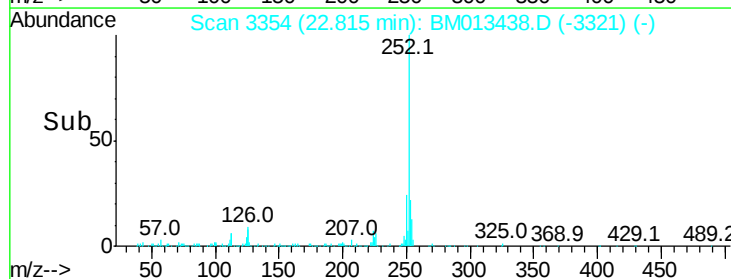
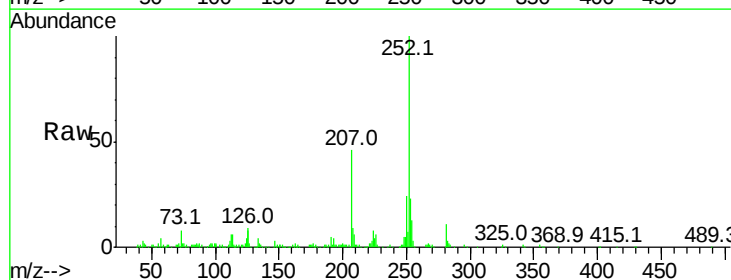
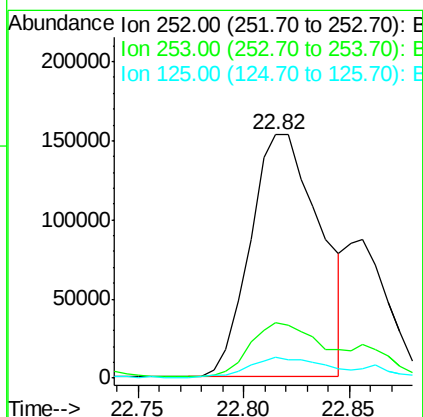
Manual Integrations
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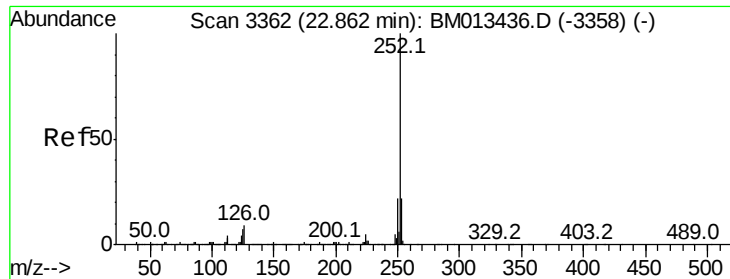
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#85
Benzo(b)fluoranthene
Concen: 5.011 ng/ul
RT: 22.82 min Scan# 3354
Delta R.T. -0.01 min
Lab File: BM013438.D
Acq: 15 Dec 2017 14:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	8.5	3.6	5.4





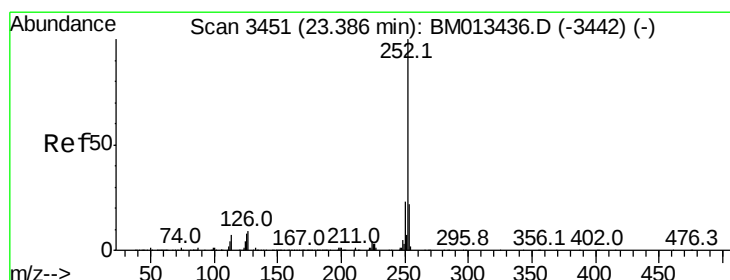
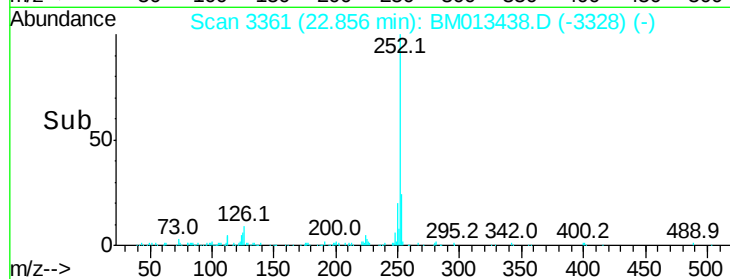
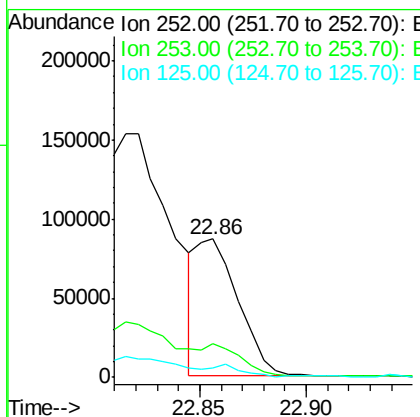
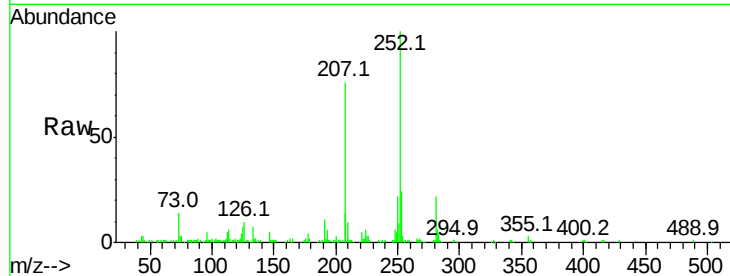
#86
Benzo(k)fluoranthene
Concen: 1.781 ng/ul m
RT: 22.86 min Scan# 3361
Delta R.T. -0.01 min
Lab File: BM013438.D
Acq: 15 Dec 2017 14:21

Instrument :
BNA_M
ClientSampleId :
F9A19MEDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	7.2	3.4	5.2

Manual Integrations
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#88
Benzo(a)pyrene
Concen: 1.954 ng/ul
RT: 23.39 min Scan# 3451
Delta R.T. 0.00 min
Lab File: BM013438.D
Acq: 15 Dec 2017 14:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	8.6	4.0	6.0

