

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121417\
 Data File : BM013440.D
 Acq On : 15 Dec 2017 15:32
 Operator : SJ/JU
 Sample : I6759-04DL 10X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 F9A03DL

Manual Integrations
 APPROVED

Sohil
 12/15/2017 6:49:32 PM

Quant Time: Dec 15 16:29:55 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	200906	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	871402	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	530382	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1219634	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1114886	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	913212	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	2484	0.61	ng/uL	0.00
5) Phenol-d5	6.86	99	51087	2.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	34578	3.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	43036	3.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	41824	2.82	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	23365	3.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	22990	3.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	43855	2.88	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	58158	4.15	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	164634	3.49	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	203334	3.49	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	11935	1.46	ng/ul	0.00
57) Fluorene-d10	15.32	176	140764	3.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	10683	1.39	ng/ul	0.00
70) Anthracene-d10	17.17	188	220178	3.60	ng/ul	0.00
76) Pyrene-d10	19.46	212	235454	4.24	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	157983	3.40	ng/ul	0.00

Target Compounds

					Ovalue	
40) 1,1'-Biophenyl	13.15	154	265273	5.918	ng/ul	99
49) Acenaphthene	14.39	153	1533256	41.759	ng/ul	99
53) Dibenzofuran	14.72	168	1390356	25.651	ng/ul	97
58) Fluorene	15.37	166	1281441	28.577	ng/ul	99
69) Phenanthrene	17.12	178	6302247	90.955	ng/ul	99
71) Anthracene	17.20	178	760025	10.731	ng/ul	99
72) Carbazole	17.47	167	228227	3.746	ng/ul	97
74) Fluoranthene	19.13	202	4083094	48.086	ng/ul#	92
77) Pyrene	19.50	202	2752527	40.638	ng/ul#	93
80) Benzo(a)anthracene	21.24	228	508441	7.188	ng/ul	99
82) Chrysene	21.30	228	579280	8.827	ng/ul	98
85) Benzo(b)fluoranthene	22.82	252	207407	3.369	ng/ul#	97
86) Benzo(k)fluoranthene	22.86	252	73209m	1.264	ng/ul	
88) Benzo(a)pyrene	23.39	252	111389	2.014	ng/ul#	96

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

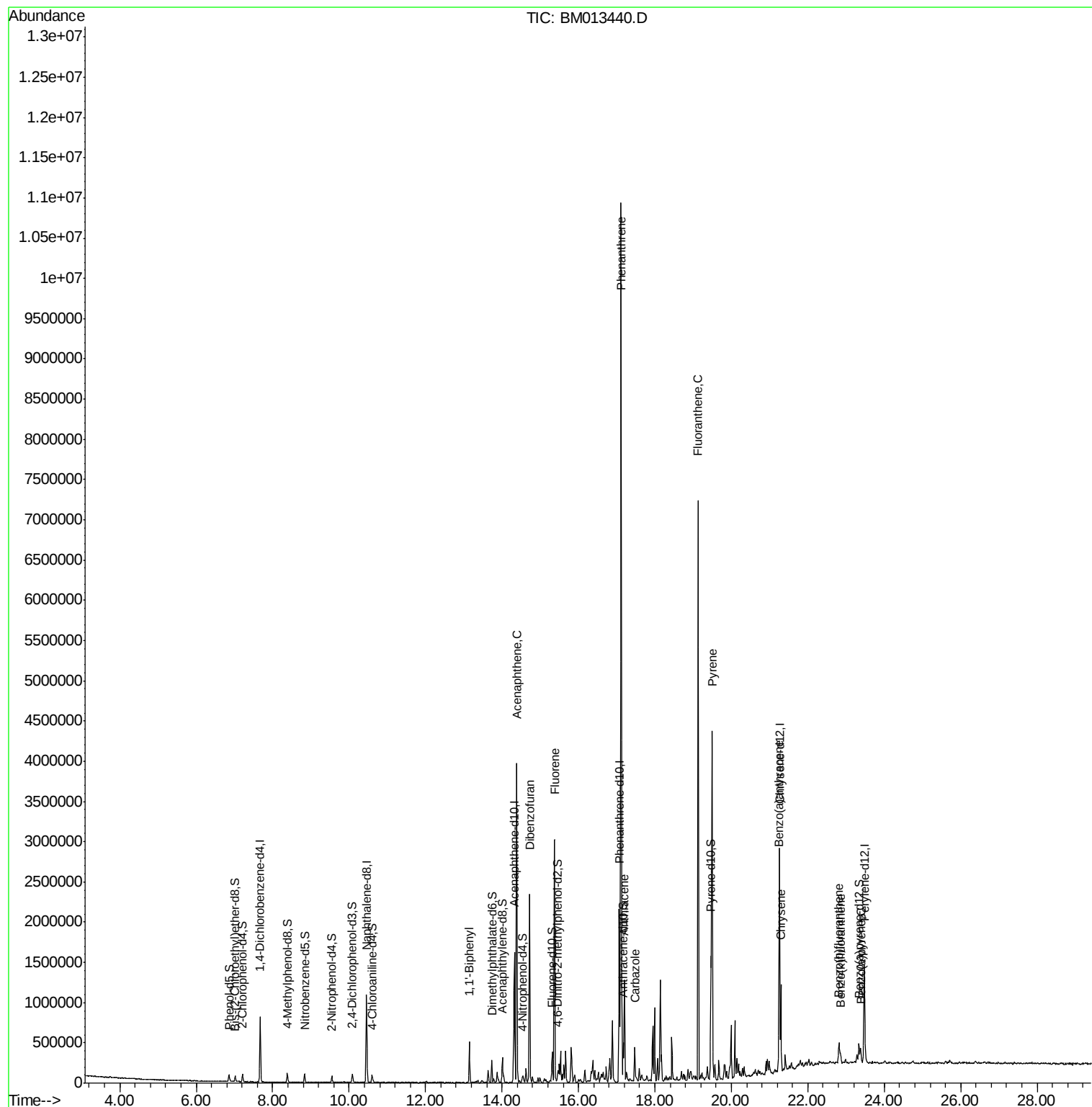
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013440.D
Acq On : 15 Dec 2017 15:32
Operator : SJ/JU
Sample : I6759-04DL 10X
Misc :
ALS Vial : 38 Sample Multiplier: 1

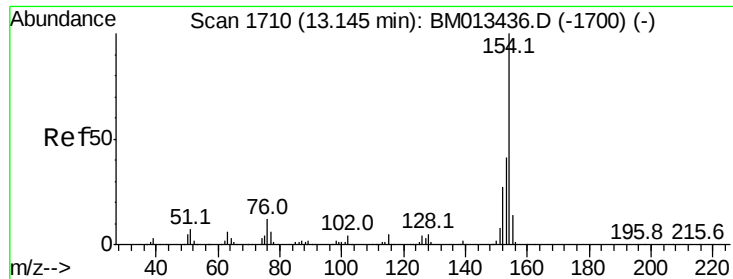
Instrument :
BNA_M
ClientSampleId :
F9A03DL

Manual Integrations
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Quant Time: Dec 15 16:29:55 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





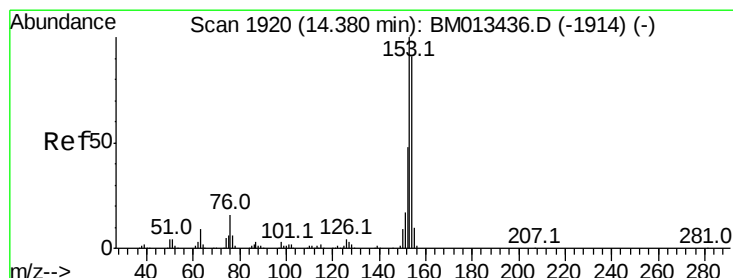
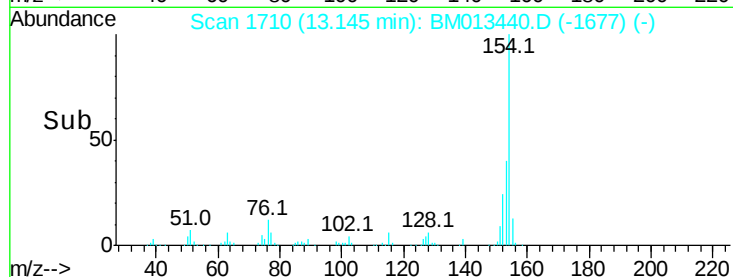
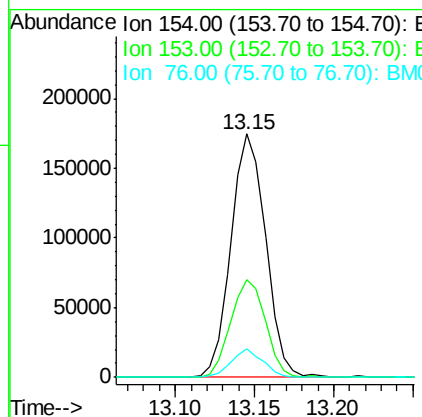
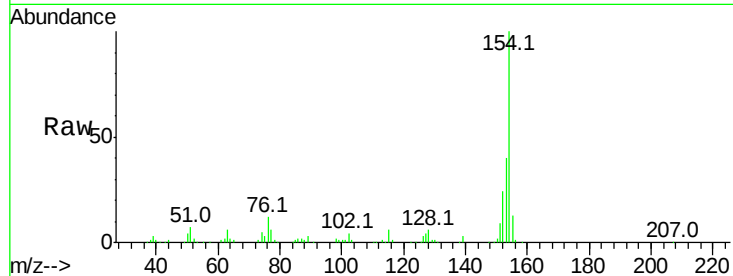
#40
1,1'-Biphenyl
Concen: 5.918 ng/ul
RT: 13.15 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BM013440.D
Acq: 15 Dec 2017 15:32

Instrument :
BNA_M
ClientSampleId :
F9A03DL

Tot Ion	Ratio	Resp	Lower	Upper
154	100	265273		
153	40.0	32.6	48.8	
76	11.6	8.5	12.7	

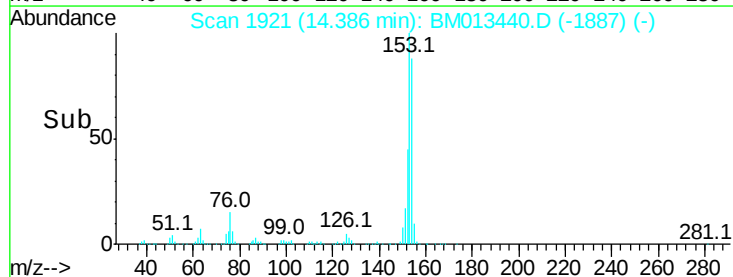
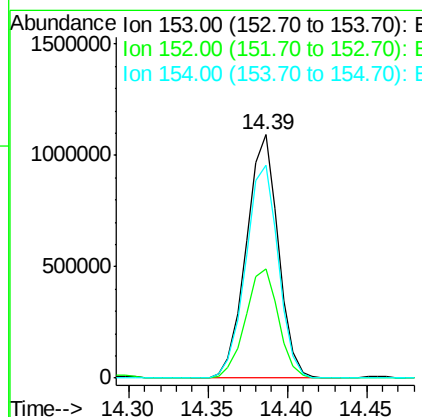
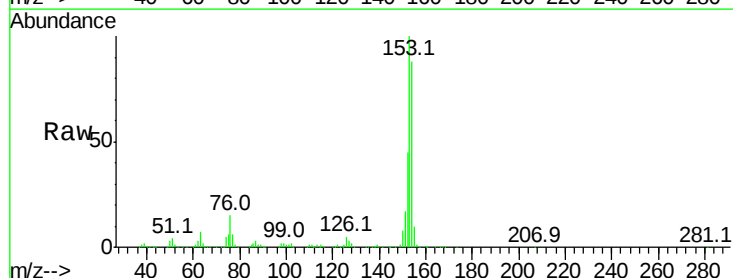
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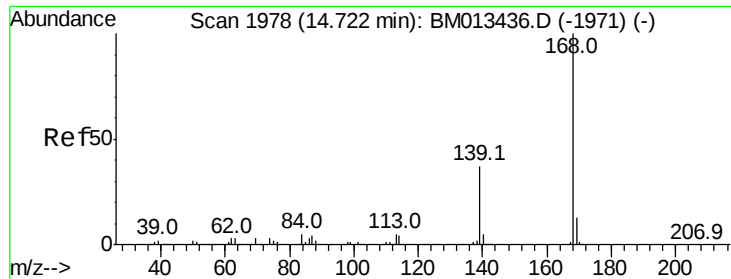
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#49
Acenaphthene
Concen: 41.759 ng/ul
RT: 14.39 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BM013440.D
Acq: 15 Dec 2017 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	1533256		
152	45.0	37.6	56.4	
154	87.7	70.4	105.6	





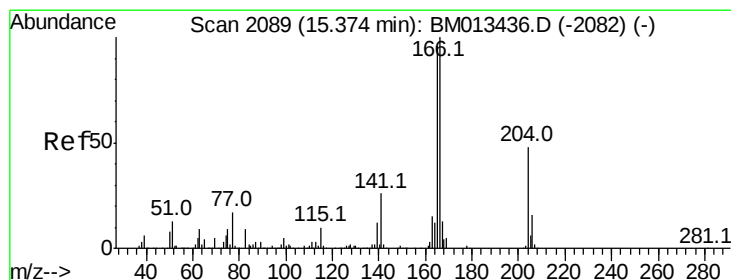
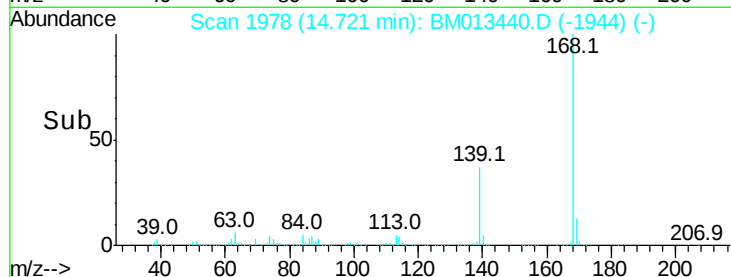
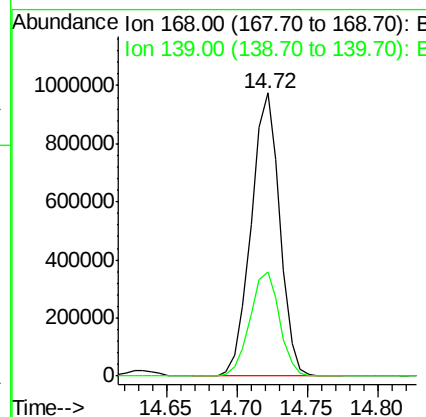
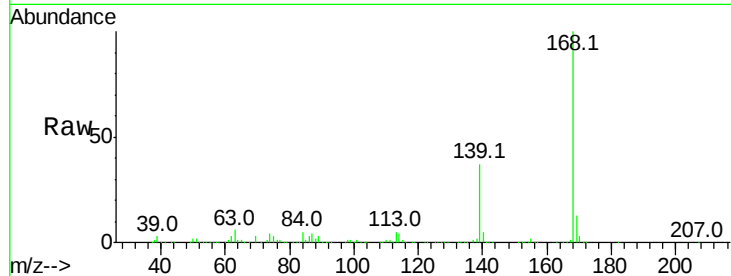
#53
Dibenzenofuran
Concen: 25.651 ng/ul
RT: 14.72 min Scan# 1978
Delta R.T. -0.00 min
Lab File: BM013440.D
Acq: 15 Dec 2017 15:32

Instrument :
BNA_M
ClientSampleId :
F9A03DL

Tot Ion:168 Resp: 1390356
Ion Ratio Lower Upper
168 100
139 36.6 30.8 46.2

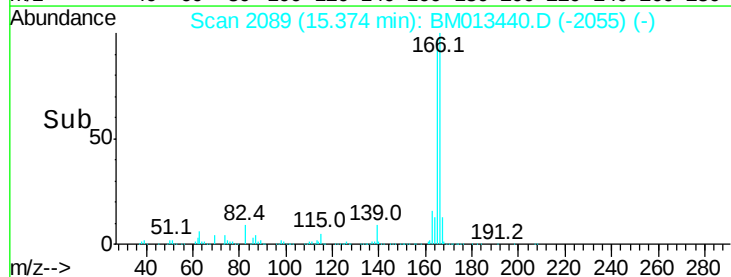
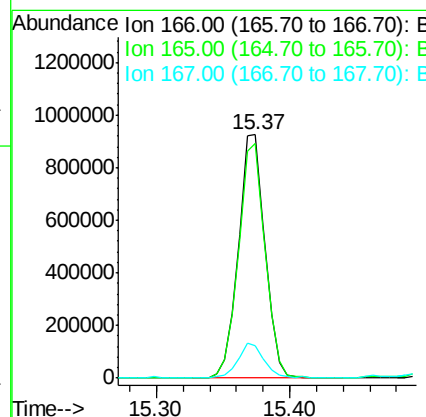
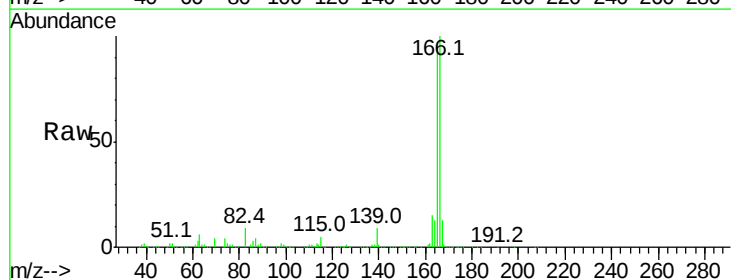
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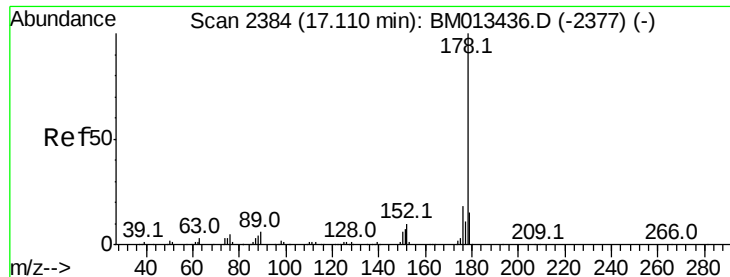
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#58
Fluorene
Concen: 28.577 ng/ul
RT: 15.37 min Scan# 2089
Delta R.T. -0.00 min
Lab File: BM013440.D
Acq: 15 Dec 2017 15:32

Tgt Ion:166 Resp: 1281441
Ion Ratio Lower Upper
166 100
165 96.6 77.9 116.9
167 13.4 10.6 16.0





#69

Phenanthrene

Concen: 90.955 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. -0.00 min

Lab File: BM013440.D

Acq: 15 Dec 2017 15:32

Instrument :

BNA_M

ClientSampleId :

F9A03DL

Tot Ion:178 Resp: 6302247

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

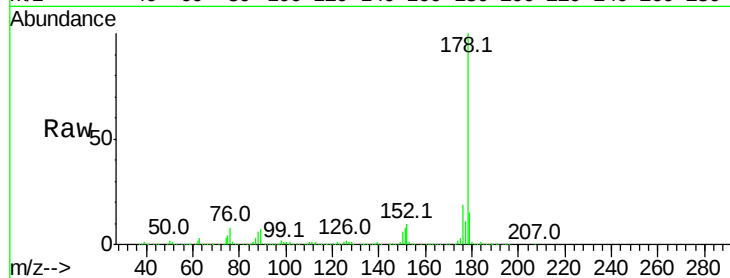
176 18.9 14.9 22.3

Manual Integrations

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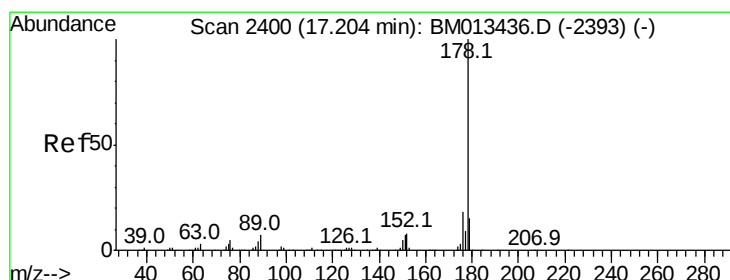
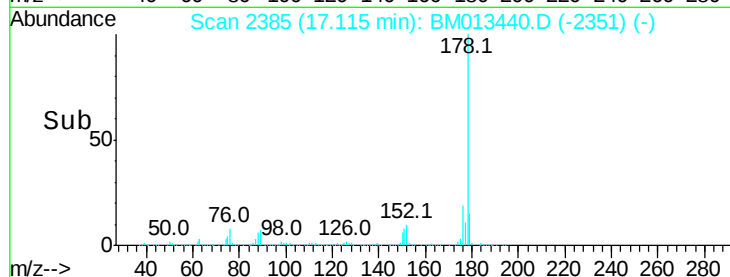
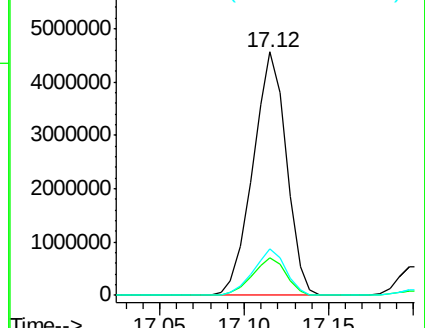
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 10.731 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM013440.D

Acq: 15 Dec 2017 15:32

Tgt Ion:178 Resp: 760025

Ion Ratio Lower Upper

178 100

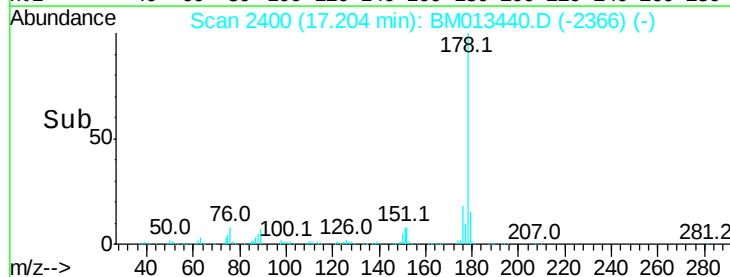
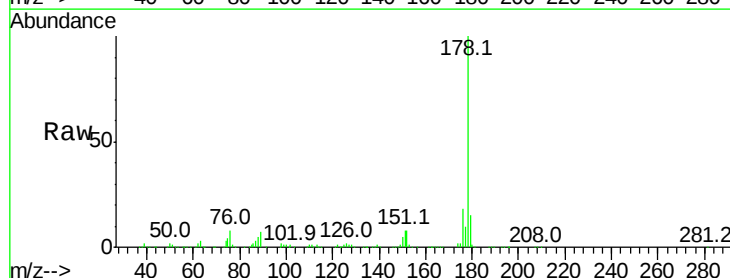
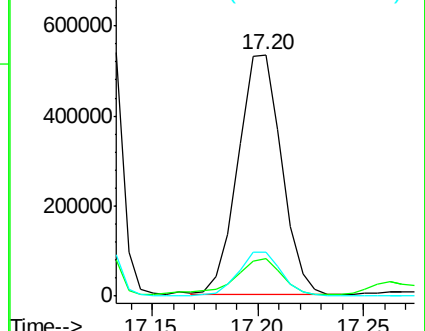
179 15.4 11.7 17.5

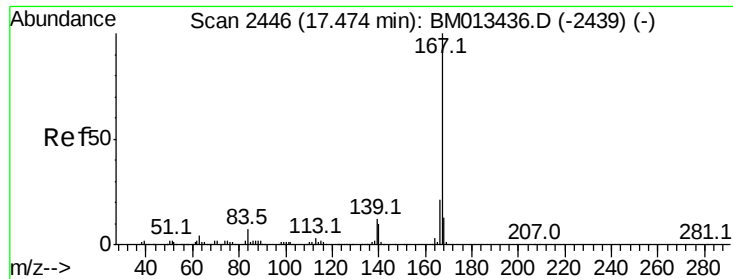
176 18.4 14.6 21.8

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: 3.746 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BM013440.D

Acq: 15 Dec 2017 15:32

Instrument :

BNA_M

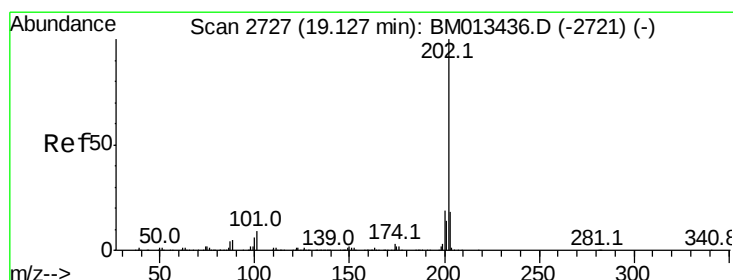
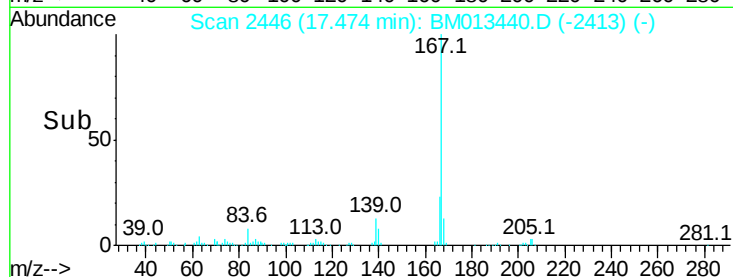
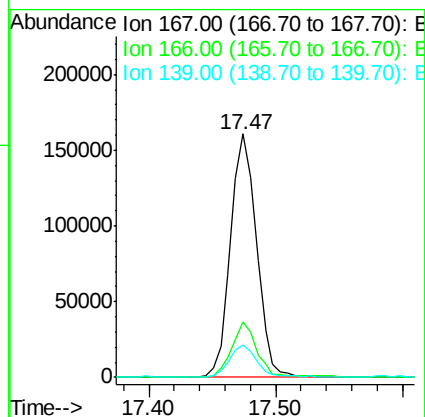
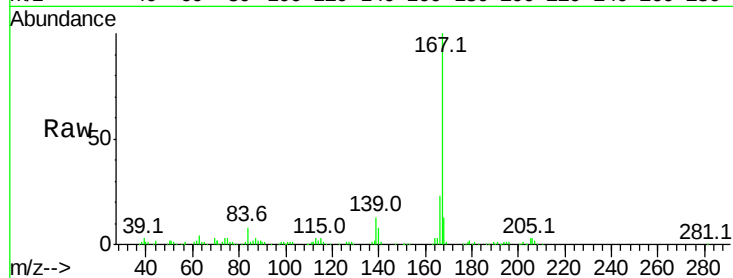
ClientSampleId :

F9A03DL

Tot Ion:	167	Resp:	228227
Ion Ratio	Lower	Upper	
167	100		
166	22.9	17.1	25.7
139	13.4	10.0	15.0

Manual Integrations
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#74

Fluoranthene

Concen: 48.086 ng/ul

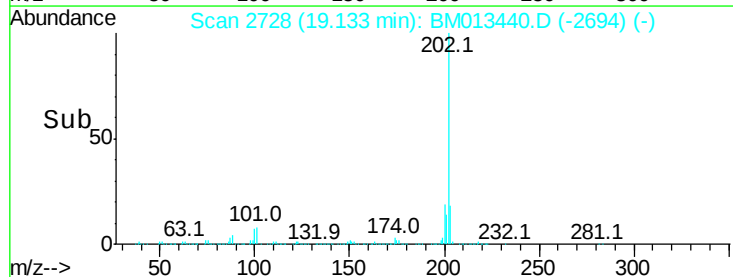
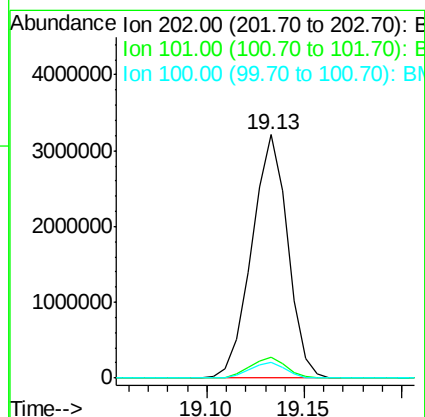
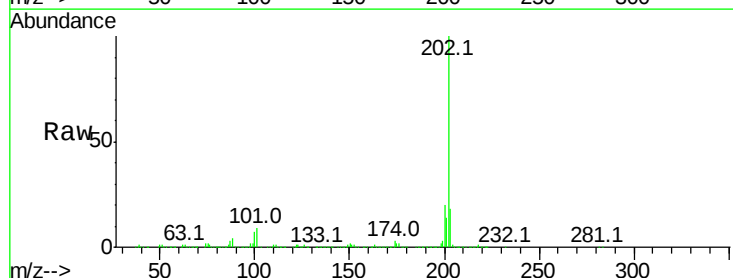
RT: 19.13 min Scan# 2728

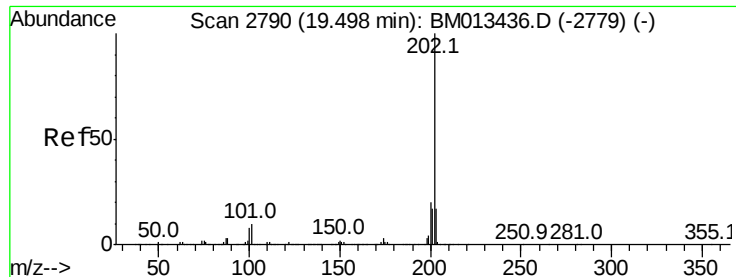
Delta R.T. -0.00 min

Lab File: BM013440.D

Acq: 15 Dec 2017 15:32

Tgt Ion:	202	Resp:	4083094
Ion Ratio	Lower	Upper	
202	100		
101	8.6	4.6	7.0#
100	6.6	3.4	5.2#





#77

Pvrene

Concen: 40.638 ng/ul

RT: 19.50 min Scan# 2790

Delta R.T. -0.00 min

Lab File: BM013440.D

Acq: 15 Dec 2017 15:32

Instrument :

BNA_M

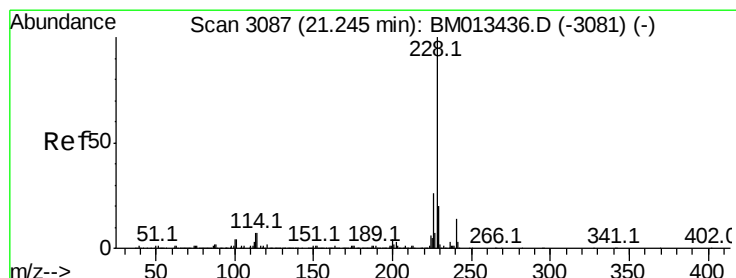
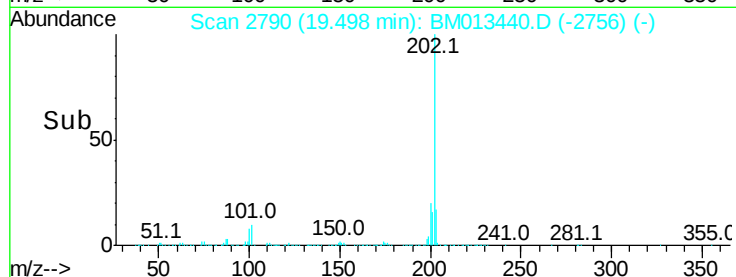
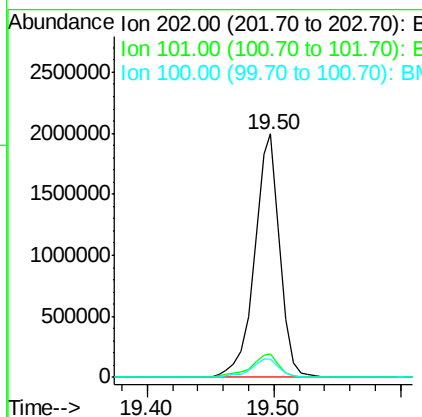
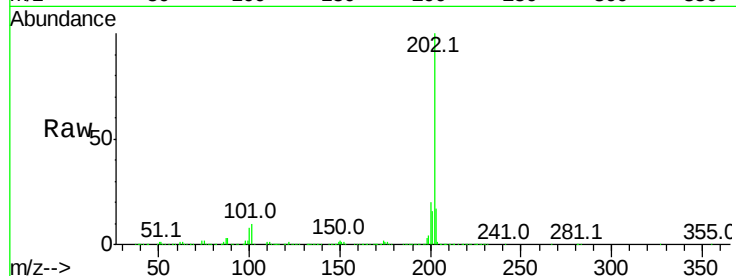
ClientSampleId :

F9A03DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.8	5.1	7.7#
100	7.5	4.9	7.3#

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#80

Benzo(a)anthracene

Concen: 7.188 ng/ul

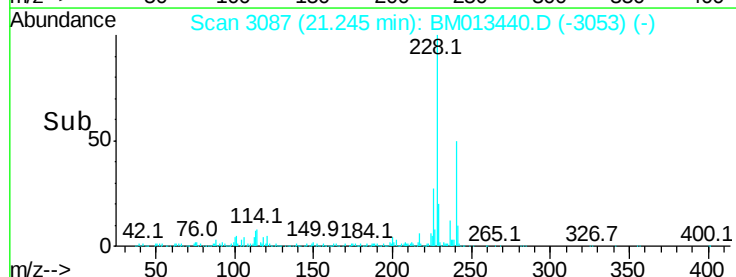
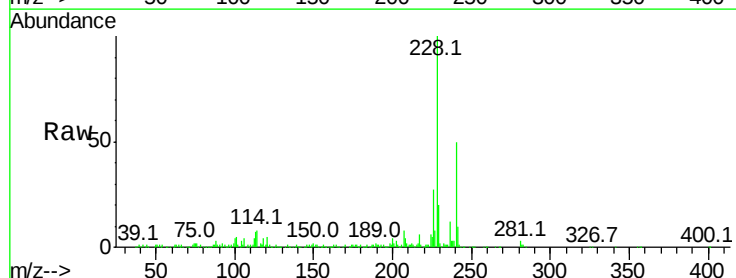
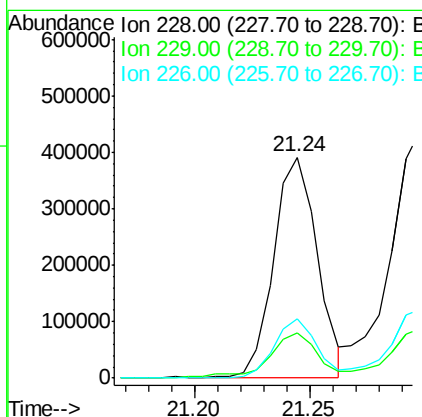
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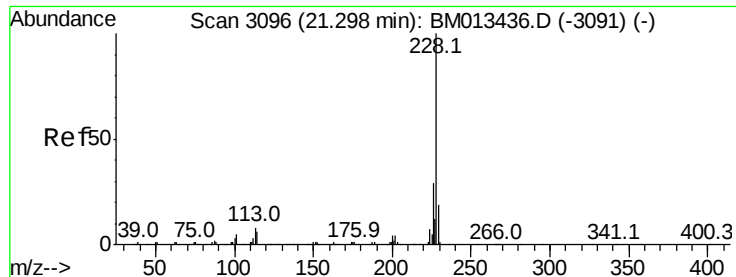
Delta R.T. -0.00 min

Lab File: BM013440.D

Acq: 15 Dec 2017 15:32

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.4	15.4	23.0
226	26.8	21.4	32.0





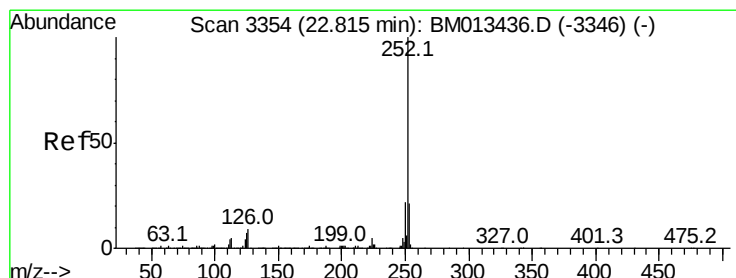
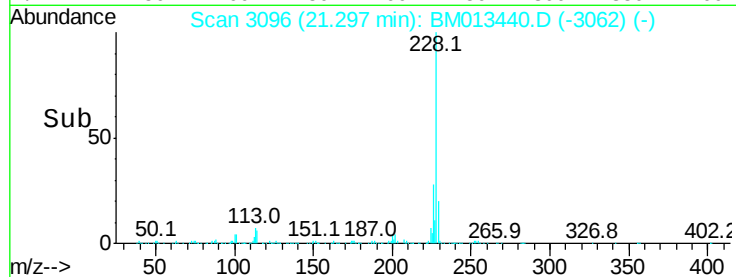
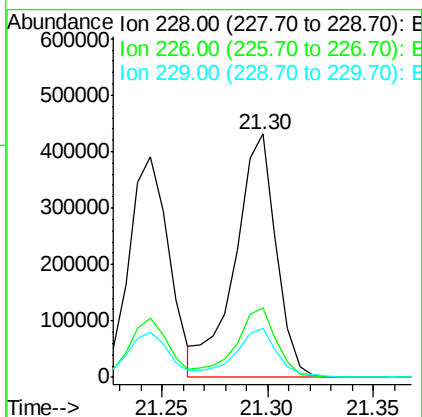
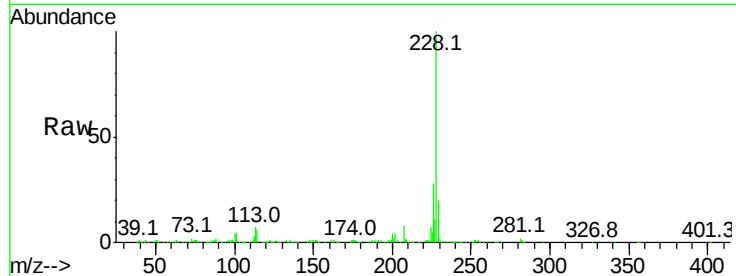
#82
Chrysene
Concen: 8.827 ng/ul
RT: 21.30 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BM013440.D
Acq: 15 Dec 2017 15:32

Instrument :
BNA_M
ClientSampleId :
F9A03DL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	579280		
226	28.5		23.4	35.2
229	20.3		15.5	23.3

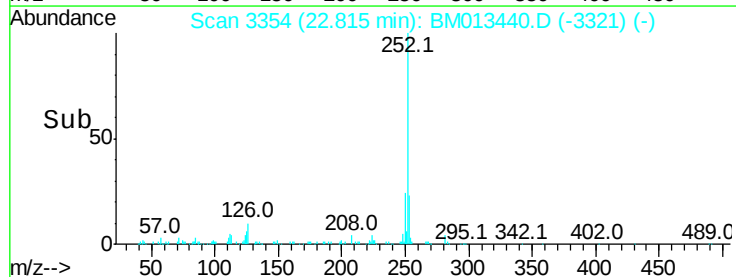
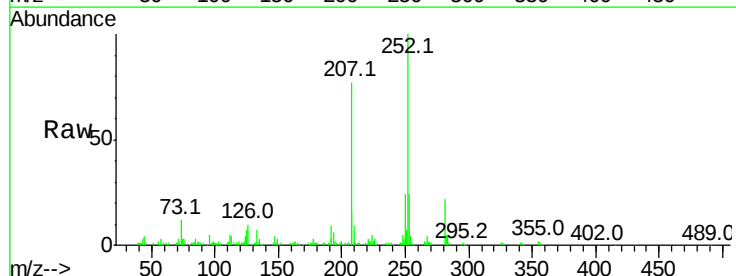
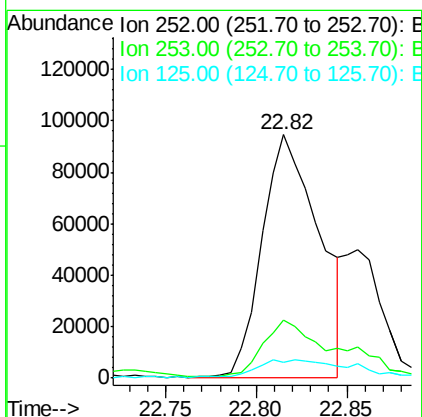
Manual Integrations
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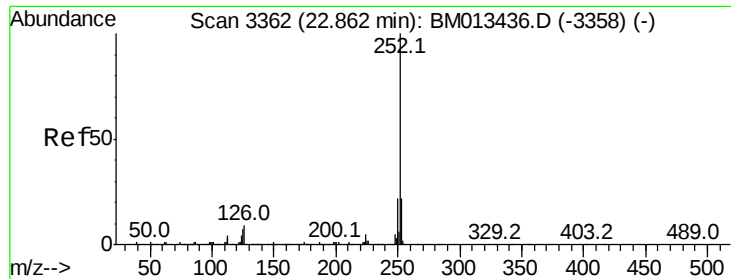
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#85
Benzo(b)fluoranthene
Concen: 3.369 ng/ul
RT: 22.82 min Scan# 3354
Delta R.T. -0.01 min
Lab File: BM013440.D
Acq: 15 Dec 2017 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	207407		
253	23.7		17.9	26.9
125	6.6		3.6	5.4#





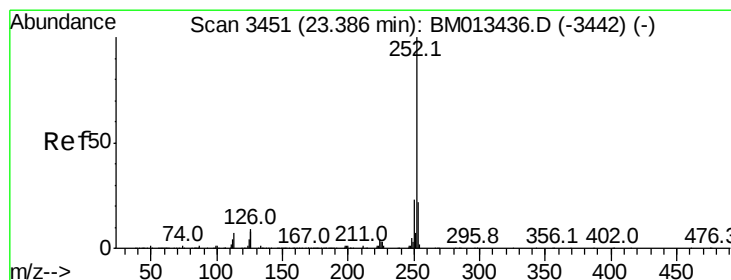
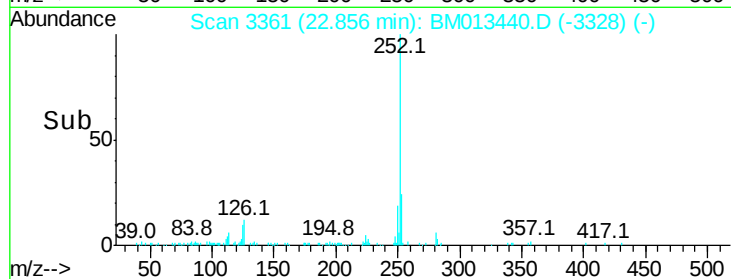
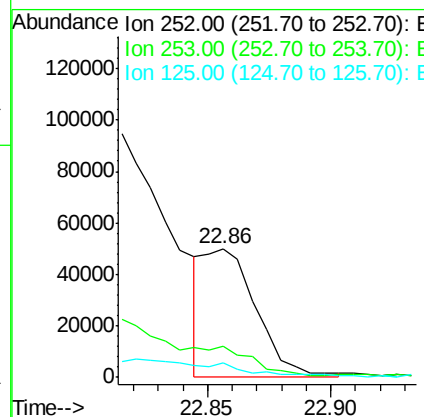
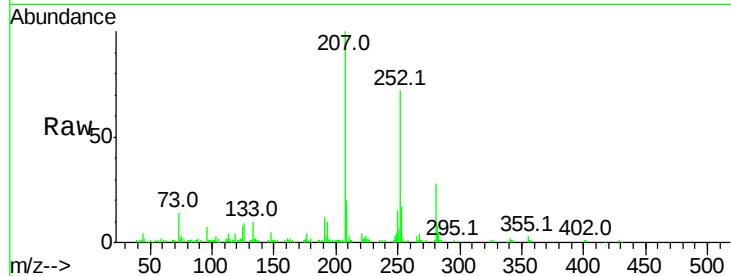
#86
Benzo(k)fluoranthene
Concen: 1.264 ng/ul m
RT: 22.86 min Scan# 3361
Delta R.T. -0.01 min
Lab File: BM013440.D
Acq: 15 Dec 2017 15:32

Instrument :
BNA_M
ClientSampleId :
F9A03DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	11.5	3.4	5.2#

Manual Integrations
APPROVED

Sohil
12/15/2017 6:49:32 PM



#88
Benzo(a)pyrene
Concen: 2.014 ng/ul
RT: 23.39 min Scan# 3451
Delta R.T. -0.00 min
Lab File: BM013440.D
Acq: 15 Dec 2017 15:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	10.5	4.0	6.0#

