

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121917\
 Data File : BM013514.D
 Acq On : 19 Dec 2017 15:53
 Operator : SJ/JU
 Sample : I6778-13ME 20X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A78ME

Manual Integrations
 APPROVED

Sohil
 12/20/2017 3:49:36 PM

Quant Time: Dec 20 04:51:38 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 20 03:10:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	153250	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	658078	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	394491	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	910053	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	814889	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	722780	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	618	0.20	ng/uL	0.00
5) Phenol-d5	6.86	99	14463m	1.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	9205	1.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	12199	1.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	12208	1.08	ng/ul	0.01
19) Nitrobenzene-d5	8.83	128	7970	1.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	5688	1.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	12066m	1.05	ng/ul	0.02
29) 4-Chloroaniline-d4	10.61	131	20327	1.92	ng/ul	0.02
43) Dimethylphthalate-d6	13.73	166	42621	1.21	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	52069	1.20	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	1046	0.17	ng/ul	0.03
57) Fluorene-d10	15.31	176	39952	1.32	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	1318	0.23	ng/ul	0.02
70) Anthracene-d10	17.16	188	62465	1.37	ng/ul	0.00
76) Pyrene-d10	19.46	212	61418	1.51	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.33	264	44207	1.20	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.50	128	2770905	81.841	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	572139	22.480	ng/ul	95
40) 1,1'-Biphenyl	13.15	154	159718	4.791	ng/ul	97
47) Acenaphthylene	14.03	152	80345	2.004	ng/ul#	95
49) Acenaphthene	14.38	153	568188	20.806	ng/ul	99
53) Dibenzofuran	14.72	168	628049	15.578	ng/ul	99
58) Fluorene	15.37	166	710085	21.291	ng/ul	98
69) Phenanthrene	17.11	178	3135055	60.637	ng/ul	98
71) Anthracene	17.20	178	458209	8.670	ng/ul	99
72) Carbazole	17.47	167	178729	3.932	ng/ul#	95
74) Fluoranthene	19.13	202	1472934	23.247	ng/ul#	93
77) Pyrene	19.49	202	969821	19.590	ng/ul#	92
80) Benzo(a)anthracene	21.24	228	252540	4.884	ng/ul	96
82) Chrysene	21.29	228	215741	4.498	ng/ul	97
85) Benzo(b)fluoranthene	22.82	252	154871	3.179	ng/ul#	96
86) Benzo(k)fluoranthene	22.86	252	60458m	1.319	ng/ul	
88) Benzo(a)pyrene	23.38	252	102119	2.333	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.71	276	45718m	1.053	ng/ul	
91) Benzo(g,h,i)perylene	26.40	276	35252	1.029	ng/ul#	80

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

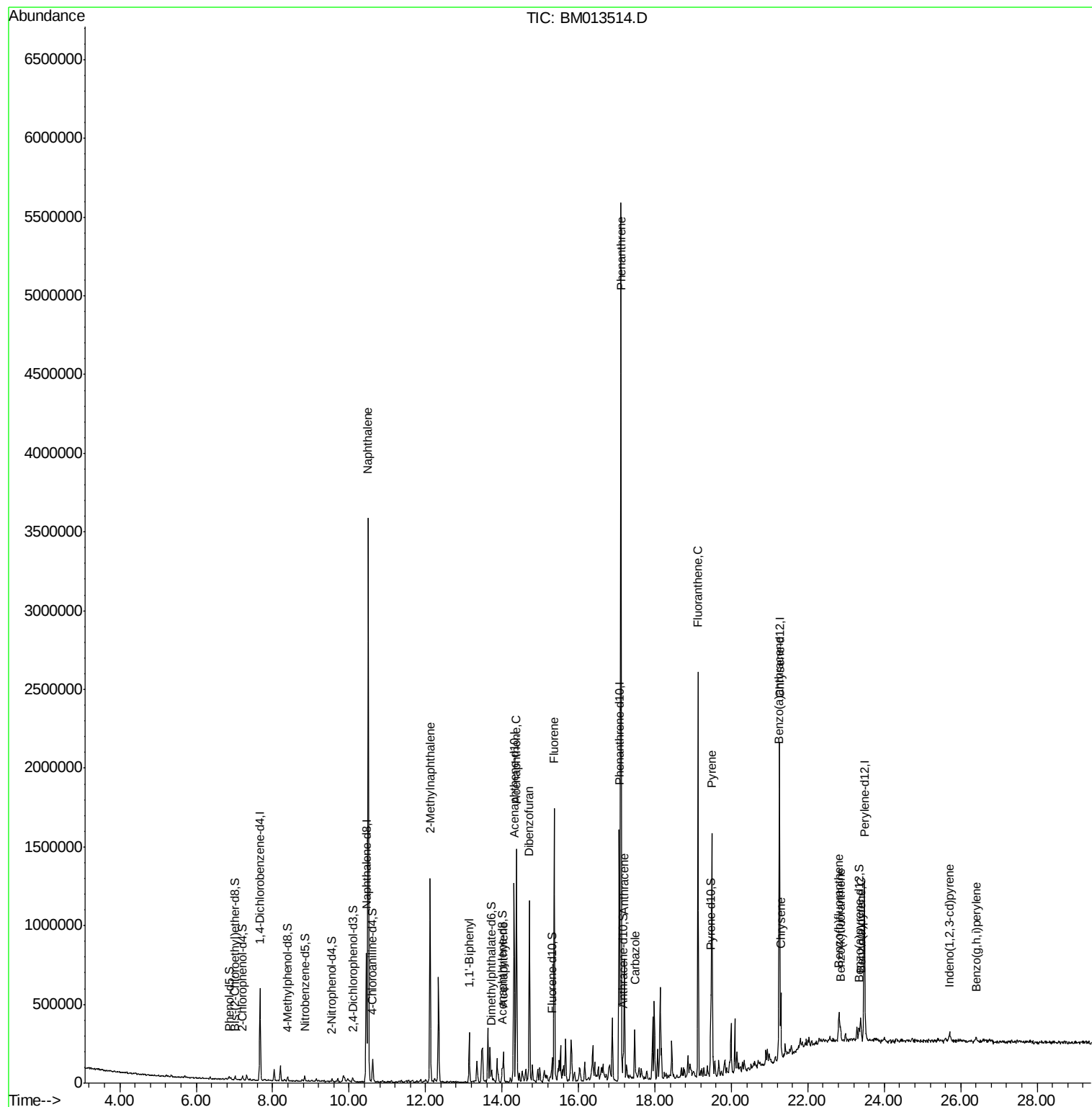
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013514.D
Acq On : 19 Dec 2017 15:53
Operator : SJ/JU
Sample : I6778-13ME 20X
Misc :
ALS Vial : 9 Sample Multiplier: 1

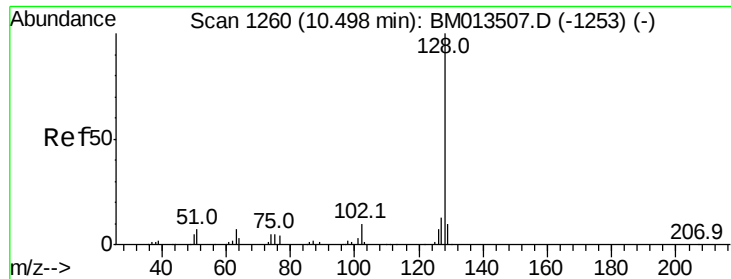
Instrument :
BNA_M
ClientSampleId :
F9A78ME

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Quant Title : SVOA CALIBRATION
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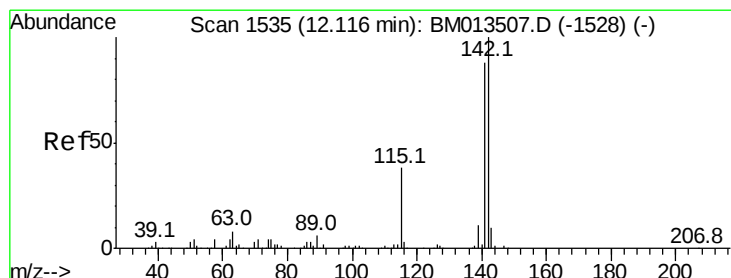
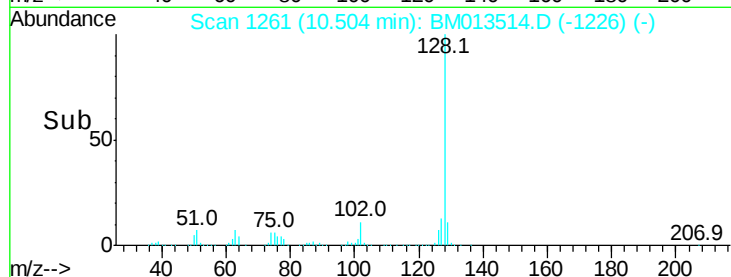
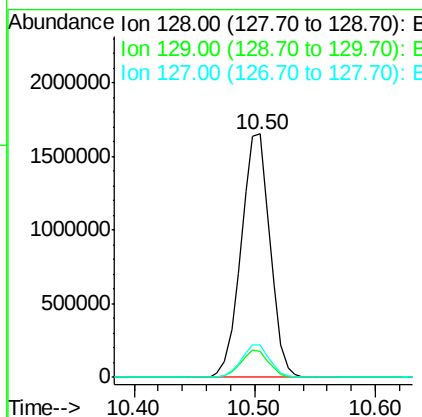
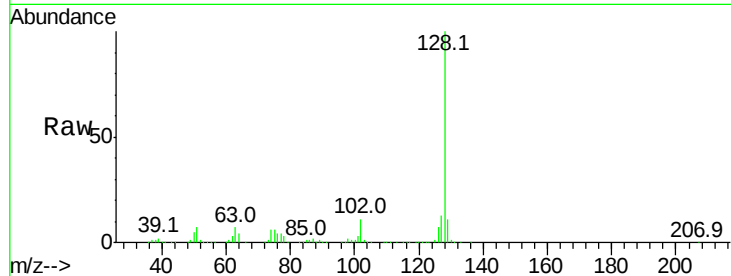
#28
Naphthalene
Concen: 81.841 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BM013514.D
Acq: 19 Dec 2017 15:53

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tot Ion:128 Resp: 2770905
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.1 10.6 16.0

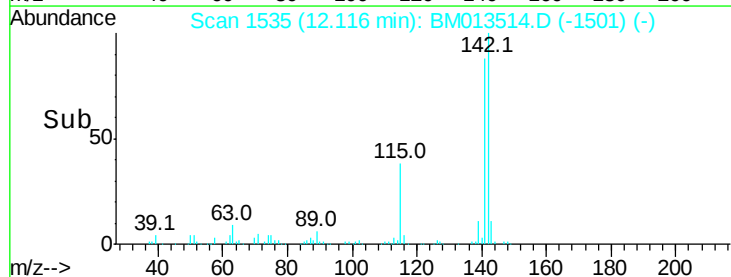
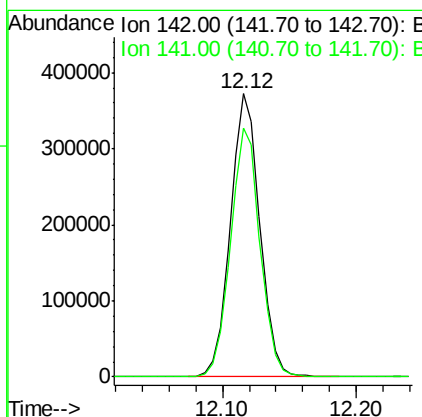
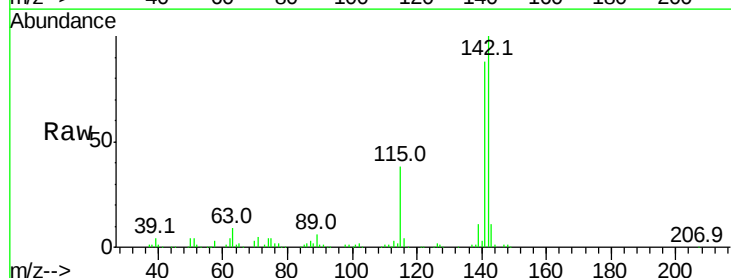
Manual Integrations
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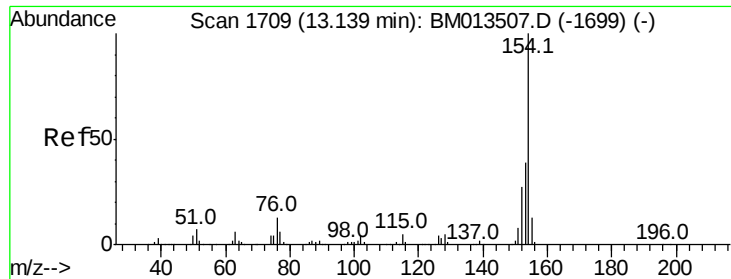
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#34
2-Methylnaphthalene
Concen: 22.480 ng/ul
RT: 12.12 min Scan# 1535
Delta R.T. -0.00 min
Lab File: BM013514.D
Acq: 19 Dec 2017 15:53

Tgt Ion:142 Resp: 572139
Ion Ratio Lower Upper
142 100
141 87.7 74.1 111.1





#40

1,1'-Biphenyl

Concen: 4.791 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.01 min

Lab File: BM013514.D

Acq: 19 Dec 2017 15:53

Instrument :

BNA_M

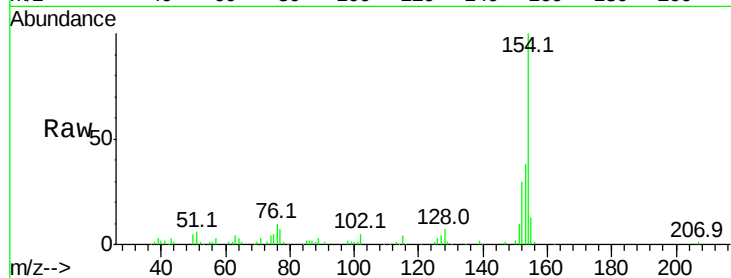
ClientSampleId :

F9A78ME

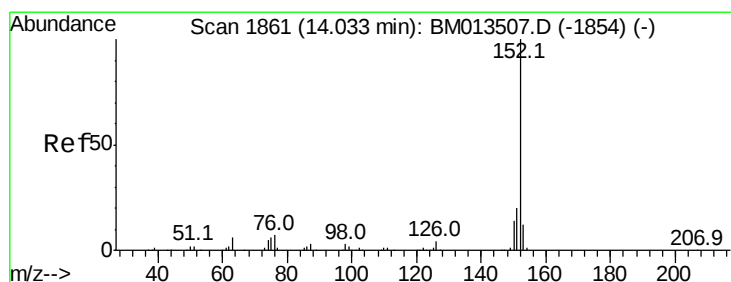
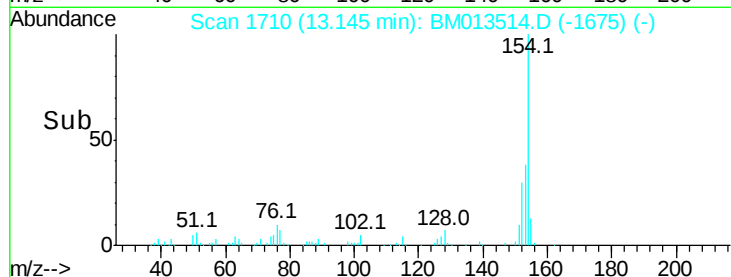
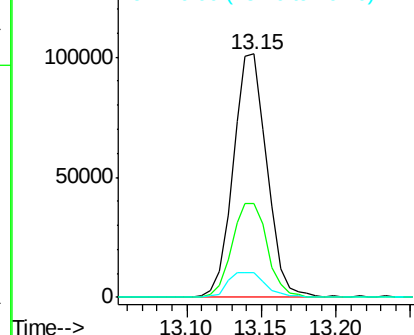
Tot Ion:	154	Resp:	159718
Ion Ratio	Lower	Upper	
154	100		
153	38.4	32.6	48.8
76	10.0	8.5	12.7

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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



#47

Acenaphthylene

Concen: 2.004 ng/ul

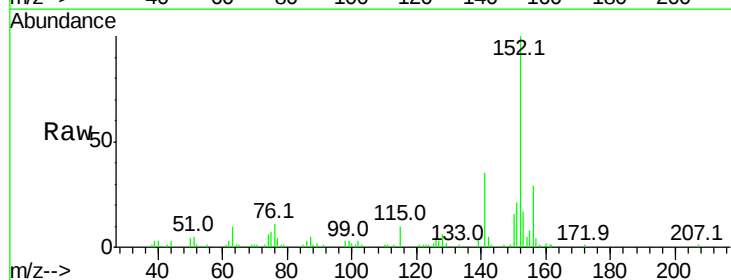
RT: 14.03 min Scan# 1861

Delta R.T. -0.00 min

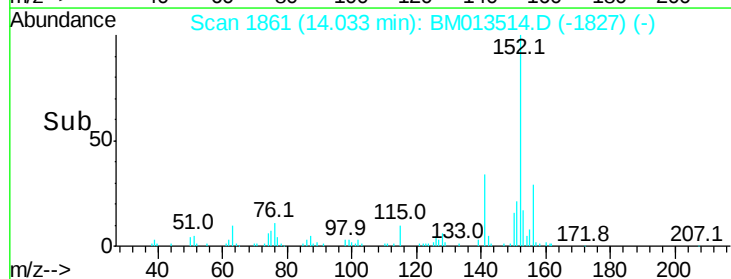
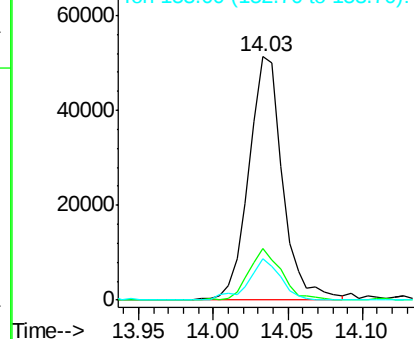
Lab File: BM013514.D

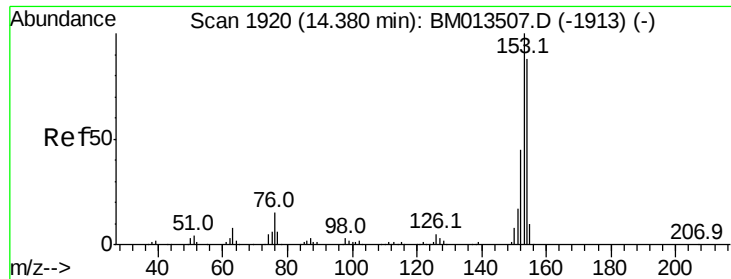
Acq: 19 Dec 2017 15:53

Tgt Ion:	152	Resp:	80345
Ion Ratio	Lower	Upper	
152	100		
151	21.4	16.3	24.5
153	17.1	10.2	15.4#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 20.806 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM013514.D

Acq: 19 Dec 2017 15:53

Instrument :

BNA_M

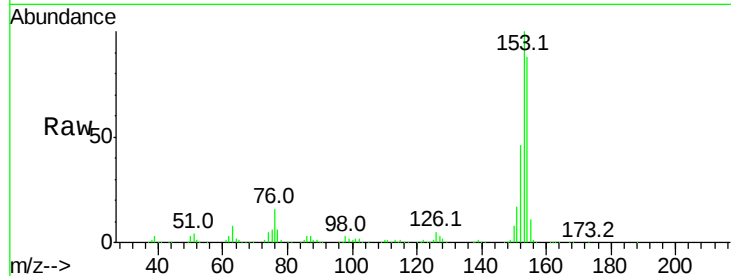
ClientSampleId :

F9A78ME

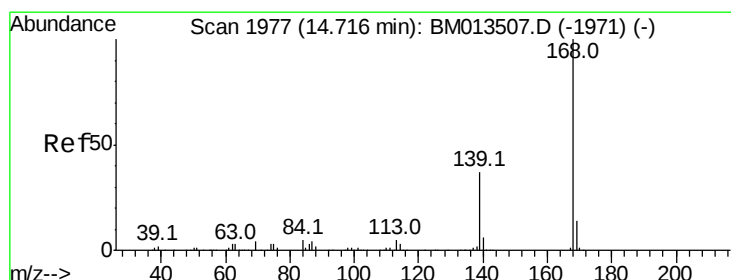
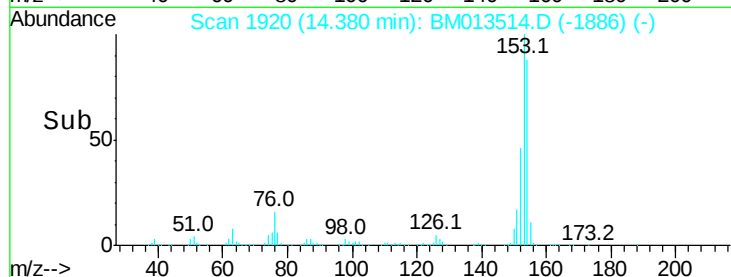
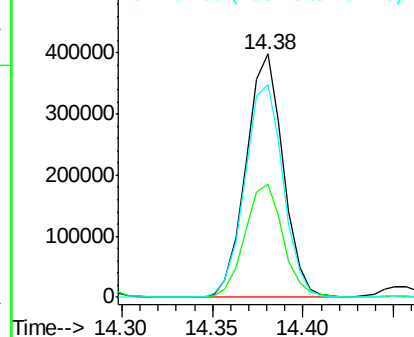
Tot Ion:	153	Resp:	568188
Ion Ratio	Lower	Upper	
153	100		
152	46.4	37.6	56.4
154	87.6	70.4	105.6

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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: 15.578 ng/ul

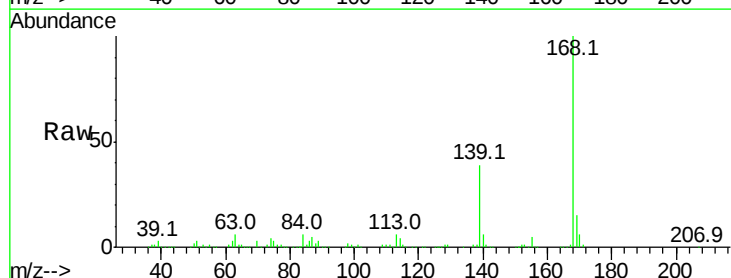
RT: 14.72 min Scan# 1977

Delta R.T. -0.00 min

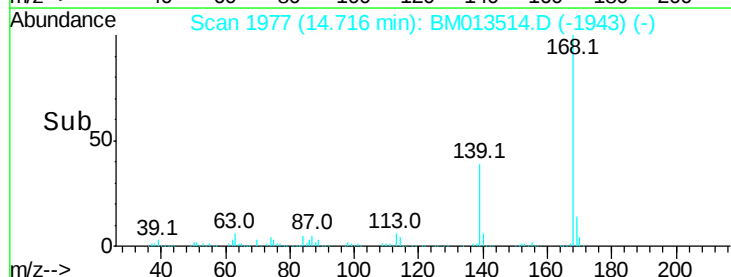
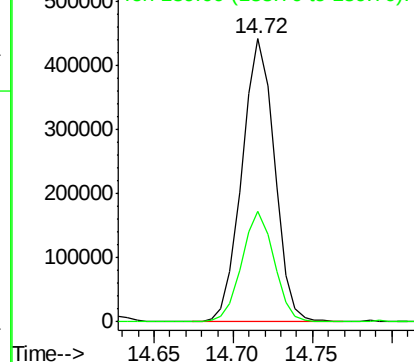
Lab File: BM013514.D

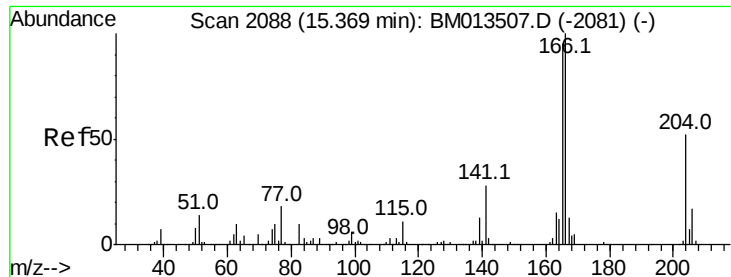
Acq: 19 Dec 2017 15:53

Tgt Ion:	168	Resp:	628049
Ion Ratio	Lower	Upper	
168	100		
139	39.0	30.8	46.2



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 21.291 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM013514.D

Acq: 19 Dec 2017 15:53

Instrument :

BNA_M

ClientSampleId :

F9A78ME

Tot Ion:166 Resp: 710085

Ion Ratio Lower Upper

166 100

165 95.4 77.9 116.9

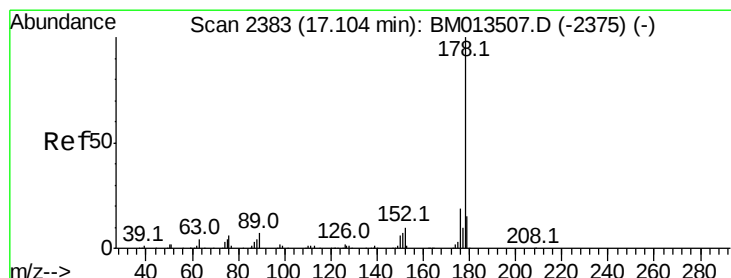
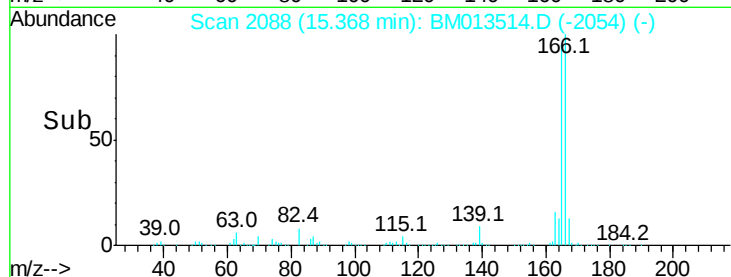
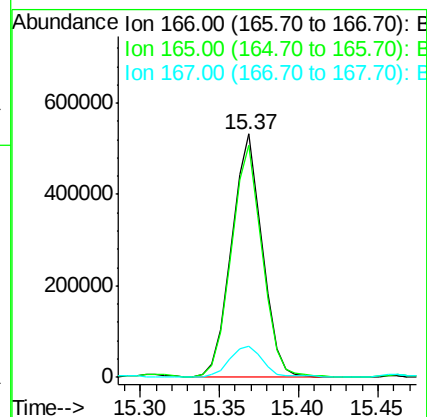
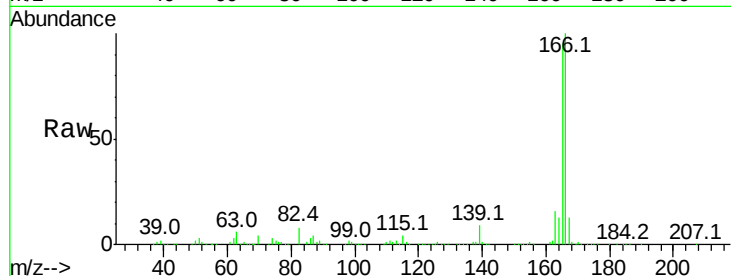
167 12.9 10.6 16.0

Manual Integrations

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#69

Phenanthrene

Concen: 60.637 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. 0.01 min

Lab File: BM013514.D

Acq: 19 Dec 2017 15:53

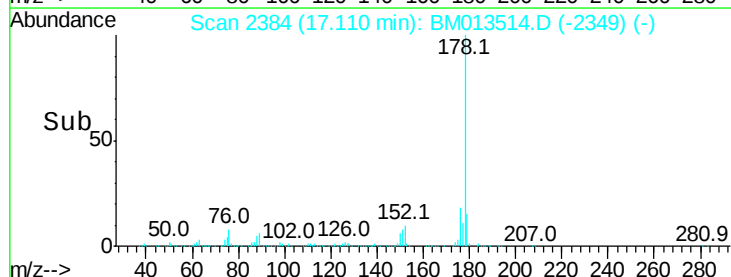
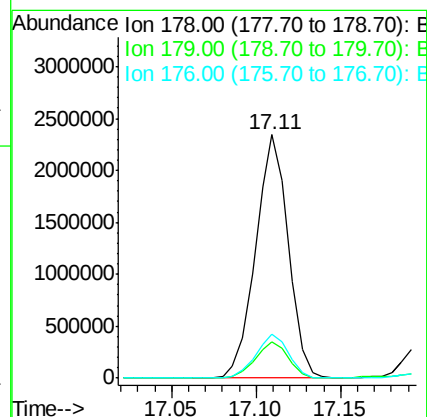
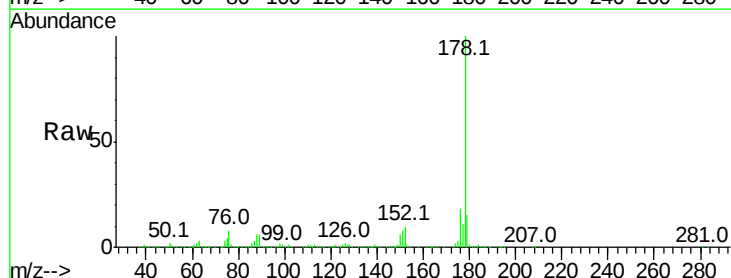
Tgt Ion:178 Resp: 3135055

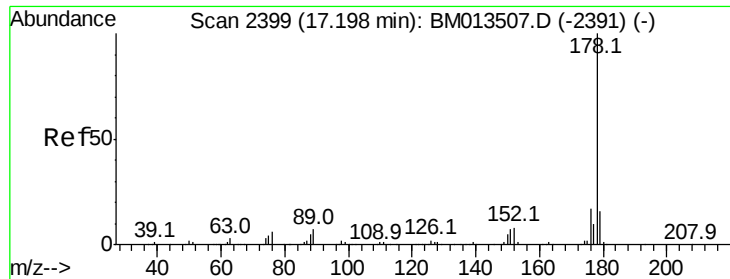
Ion Ratio Lower Upper

178 100

179 14.9 12.6 19.0

176 17.9 14.9 22.3





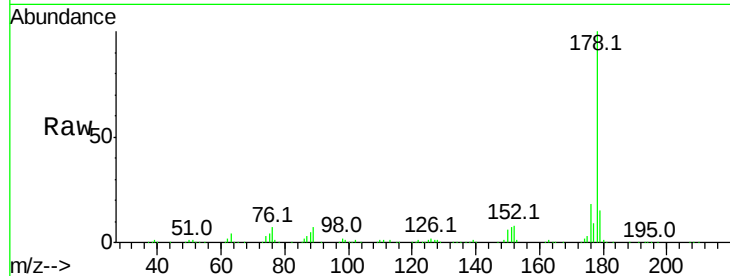
#71
 Anthracene
 Concen: 8.670 ng/ul
 RT: 17.20 min Scan# 2399
 Delta R.T. -0.00 min
 Lab File: BM013514.D
 Acq: 19 Dec 2017 15:53

Instrument :
 BNA_M
 ClientSampleId :
 F9A78ME

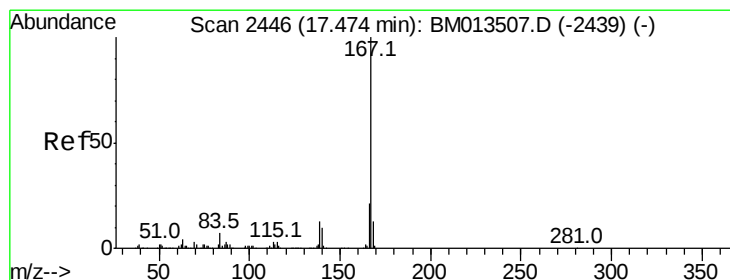
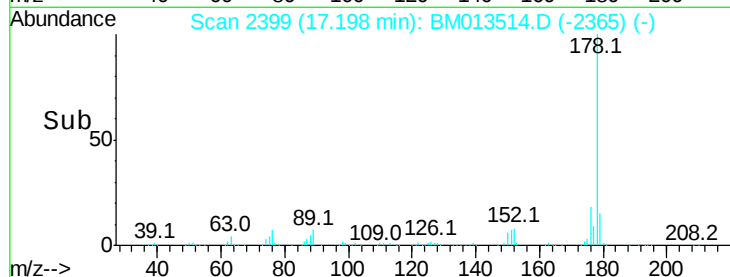
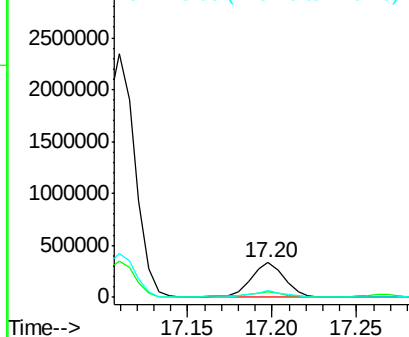
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.7	17.5
176	18.2	14.6	21.8

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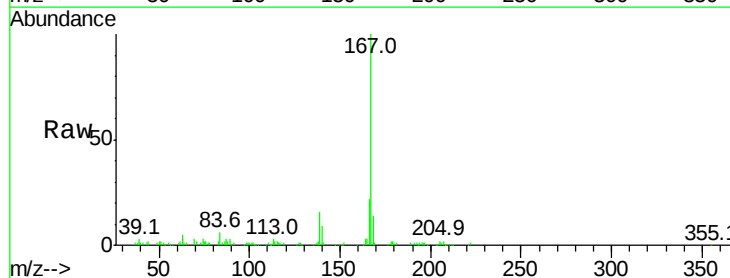


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

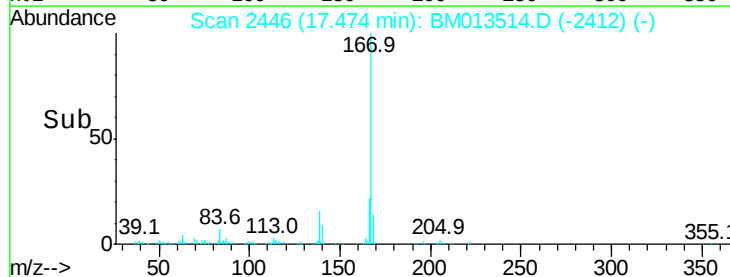
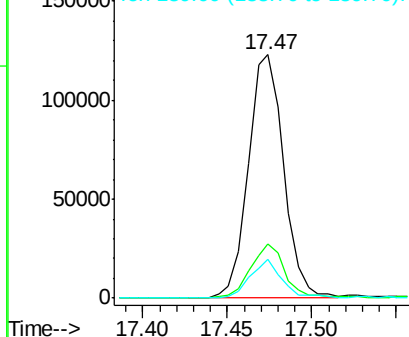


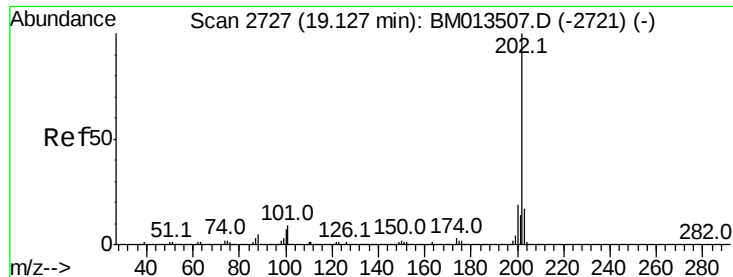
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 Carbazole
 Concen: 3.932 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM013514.D
 Acq: 19 Dec 2017 15:53

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.1	25.7
139	16.1	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





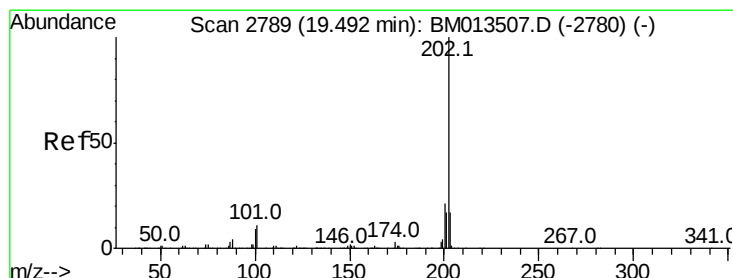
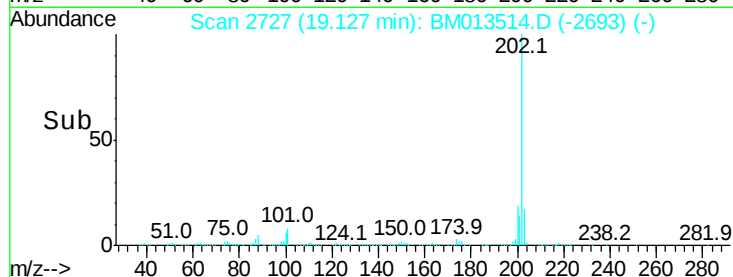
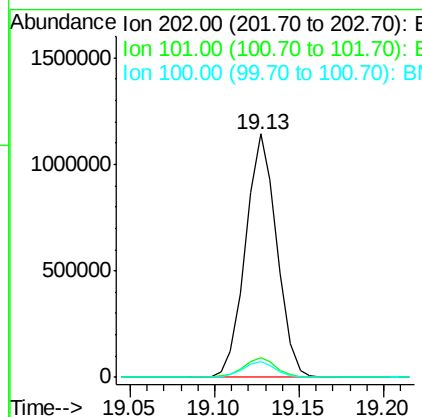
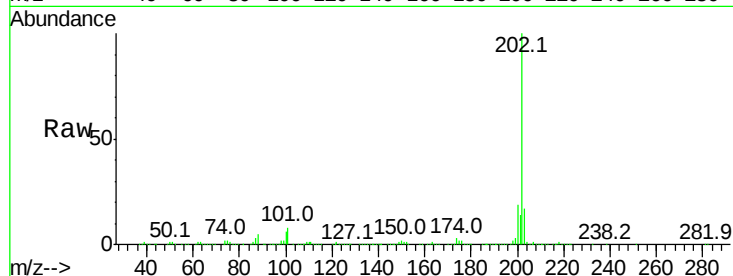
#74
 Fluoranthene
 Concen: 23.247 ng/ul
 RT: 19.13 min Scan# 2727
 Delta R.T. -0.00 min
 Lab File: BM013514.D
 Acq: 19 Dec 2017 15:53

Instrument :
 BNA_M
 ClientSampleId :
 F9A78ME

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.3	4.6	7.0#
100	6.5	3.4	5.2#

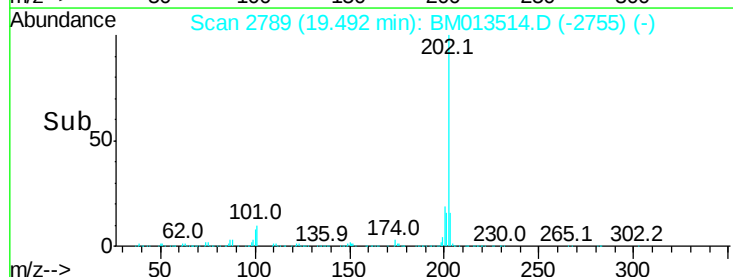
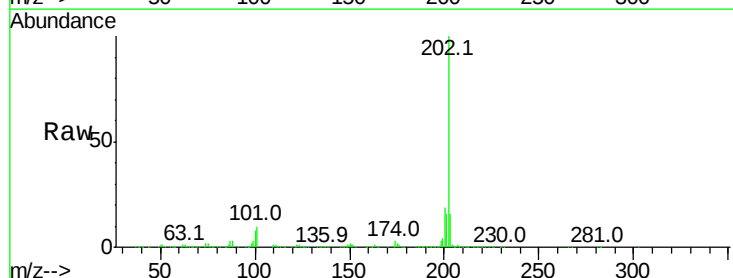
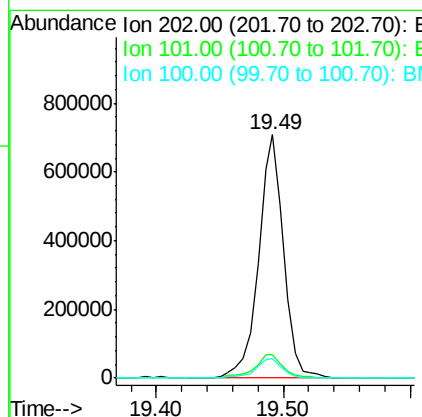
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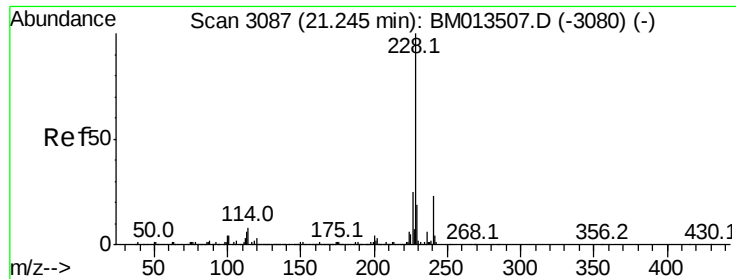
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#77
 Pyrene
 Concen: 19.590 ng/ul
 RT: 19.49 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: BM013514.D
 Acq: 19 Dec 2017 15:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	5.1	7.7#
100	8.3	4.9	7.3#





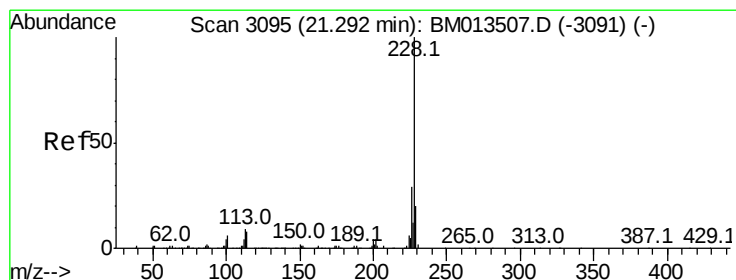
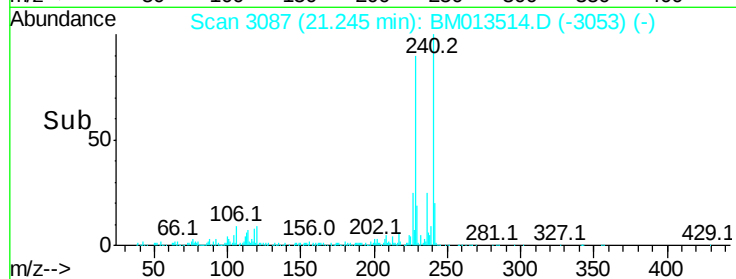
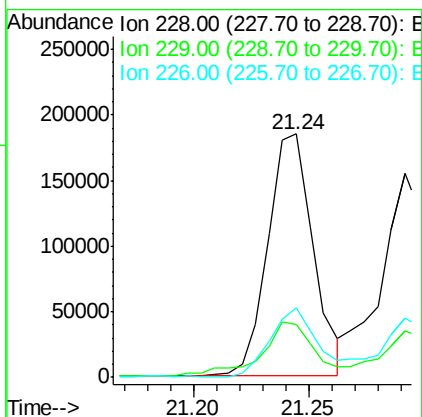
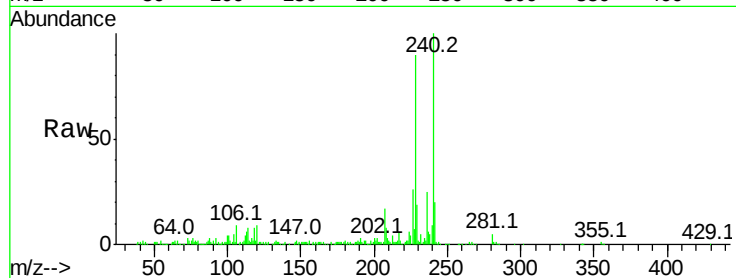
#80
Benzo(a)anthracene
Concen: 4.884 ng/ul
RT: 21.24 min Scan# 3087
Delta R.T. -0.00 min
Lab File: BM013514.D
Acq: 19 Dec 2017 15:53

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tot Ion:	228	Resp:	252540
Ion Ratio	Lower	Upper	
228	100		
229	21.6	15.4	23.0
226	28.5	21.4	32.0

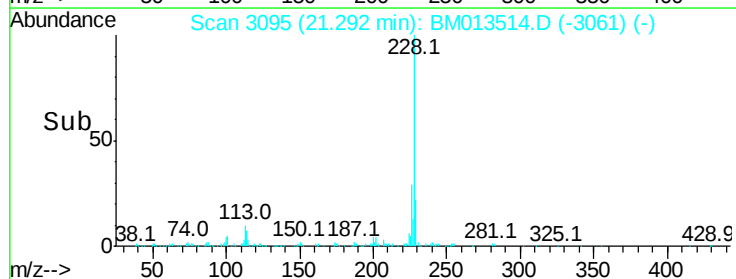
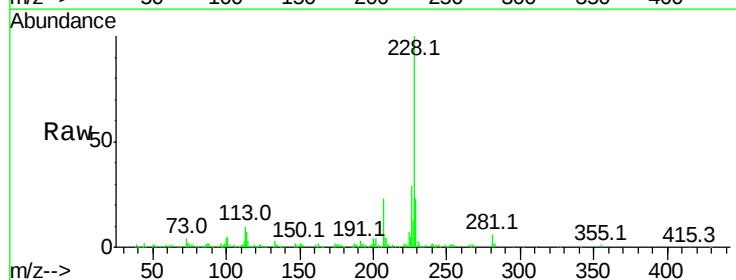
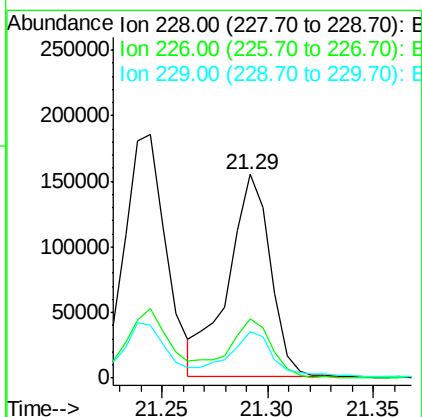
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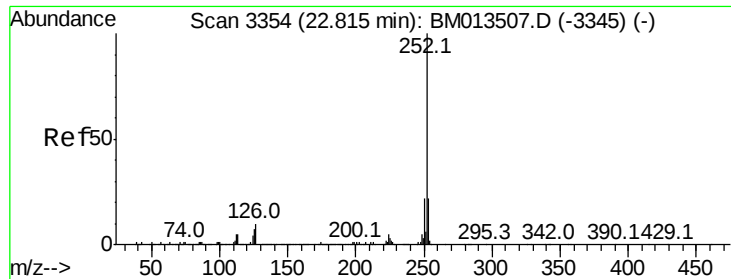
Sohil
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#82
Chrysene
Concen: 4.498 ng/ul
RT: 21.29 min Scan# 3095
Delta R.T. -0.00 min
Lab File: BM013514.D
Acq: 19 Dec 2017 15:53

Tgt Ion:	228	Resp:	215741
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.4	35.2
229	22.7	15.5	23.3





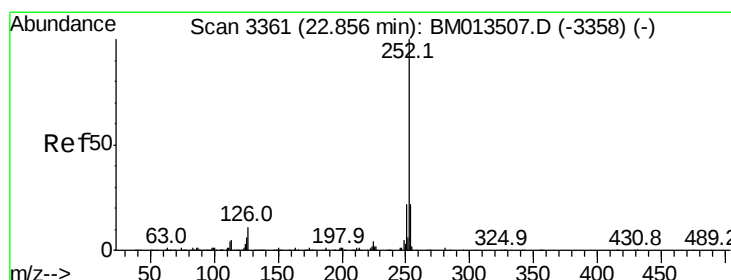
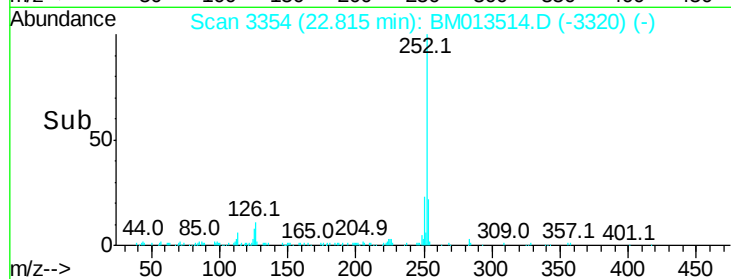
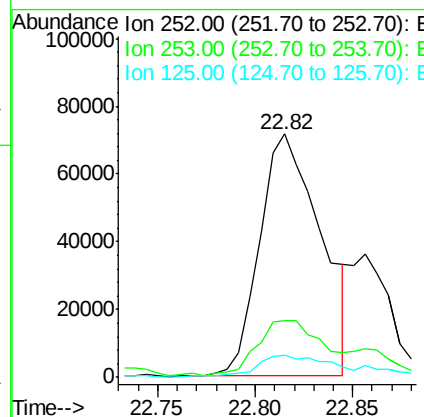
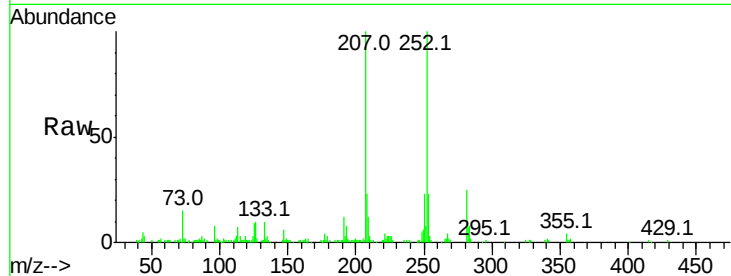
#85
Benzo(b)fluoranthene
Concen: 3.179 ng/ul
RT: 22.82 min Scan# 3354
Delta R.T. -0.00 min
Lab File: BM013514.D
Acq: 19 Dec 2017 15:53

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	8.9	3.6	5.4

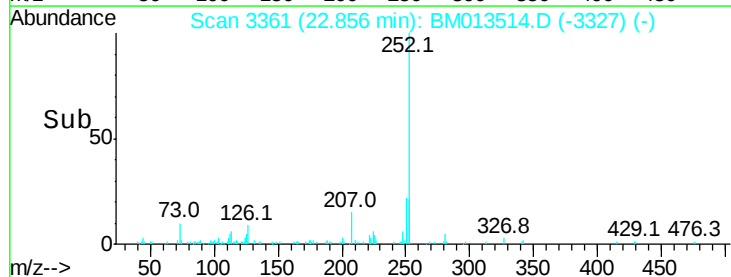
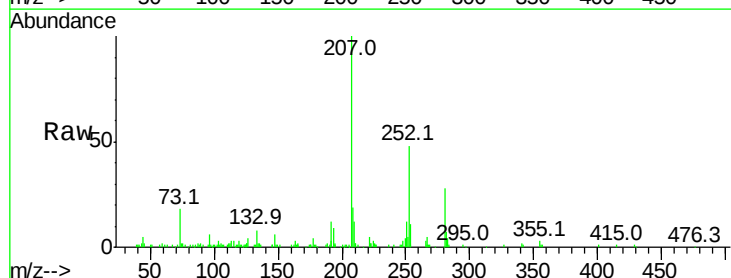
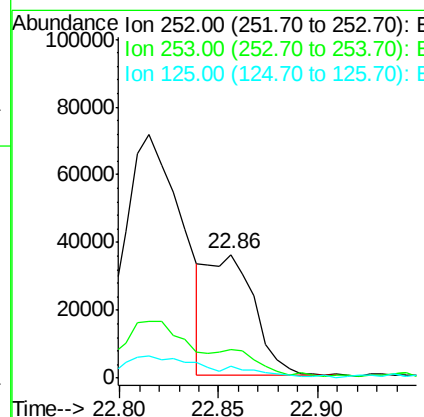
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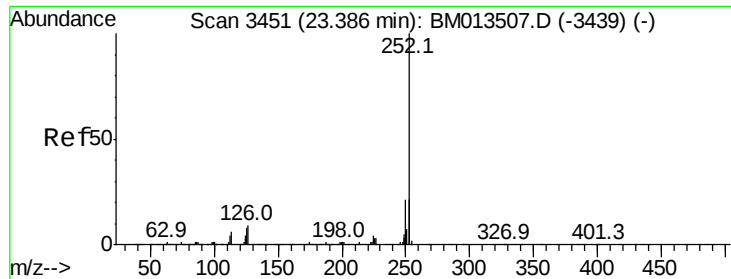
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#86
Benzo(k)fluoranthene
Concen: 1.319 ng/ul m
RT: 22.86 min Scan# 3361
Delta R.T. -0.00 min
Lab File: BM013514.D
Acq: 19 Dec 2017 15:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	4.7	3.4	5.2





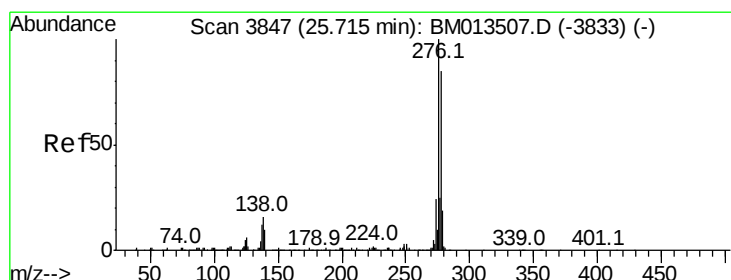
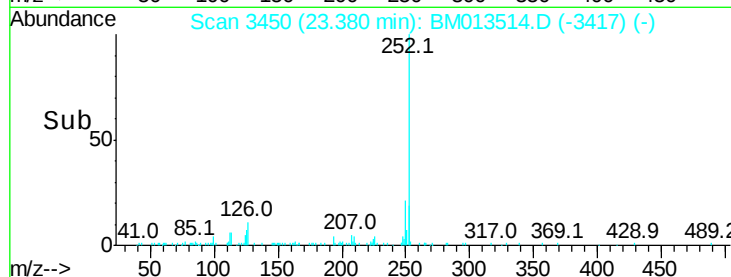
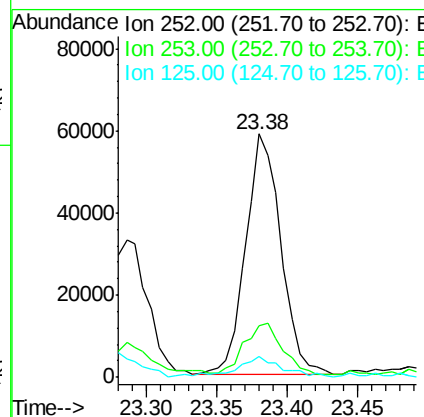
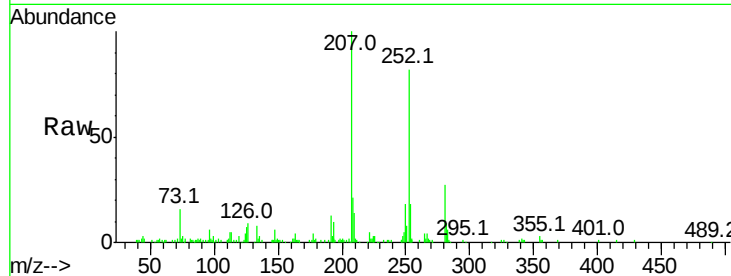
#88
Benzo(a)pyrene
Concen: 2.333 ng/ul
RT: 23.38 min Scan# 3450
Delta R.T. -0.01 min
Lab File: BM013514.D
Acq: 19 Dec 2017 15:53

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.5	18.2	27.2
125	8.4	4.0	6.0

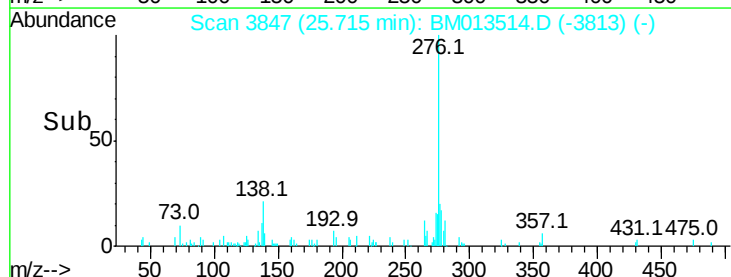
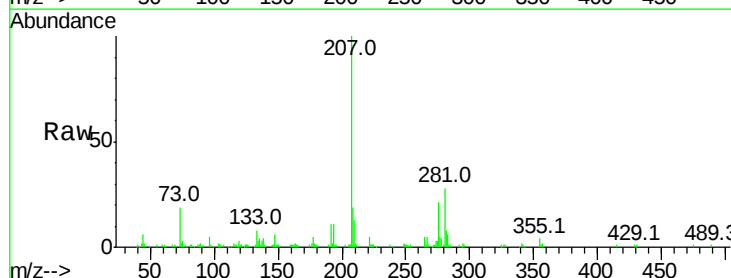
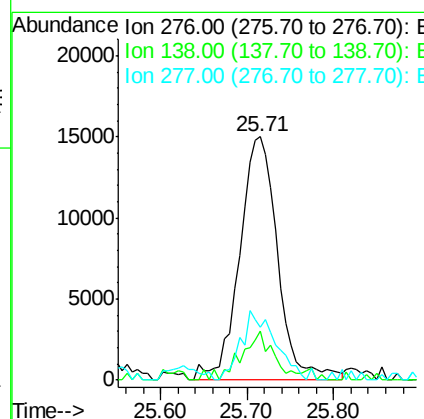
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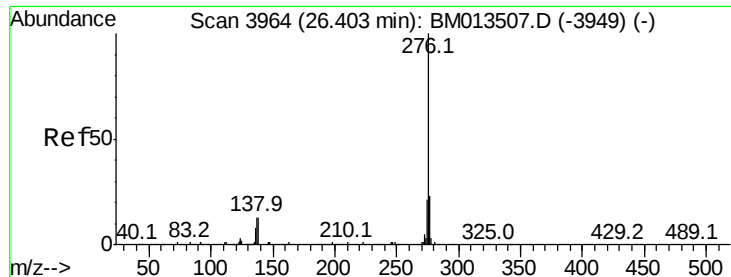
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#89
Indeno(1,2,3-cd)pyrene
Concen: 1.053 ng/ul m
RT: 25.71 min Scan# 3847
Delta R.T. -0.00 min
Lab File: BM013514.D
Acq: 19 Dec 2017 15:53

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	20.4	9.3	13.9
277	21.6	19.9	29.9





#91

Benzo(a,h,i)perylene

Concen: 1.029 ng/ul

RT: 26.40 min Scan# 3963

Delta R.T. -0.01 min

Lab File: BM013514.D

Acq: 19 Dec 2017 15:53

Instrument :

BNA_M

ClientSampleId :

F9A78ME

Tot Ion:	276	Resp:	35252
Ion Ratio	Lower	Upper	
276	100		
138	19.5	8.5	12.7#
277	32.2	18.6	28.0#

Manual Integrations
APPROVED

Sohil
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