

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013949.D
 Acq On : 29 Jan 2018 07:11
 Operator : SJ/JU
 Sample : J1243-08
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B31

Manual Integrations
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 1/29/2018 6:08:59 PM

Quant Time: Jan 29 10:13:47 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	192226	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	762958	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	443109	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	862241	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	723113	20.00	ng/ul	0.00
83) Perylene-d12	23.37	264	704542	20.00	ng/ul	0.00

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	15761	3.24	ng/uL	0.00
5) Phenol-d5	6.76	99	391030	26.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	236889	26.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	332571	27.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	325265	28.67	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	167858	28.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	196835	31.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	359874	29.78	ng/ul	0.00
29) 4-Chloroaniline-d4	10.50	131	356663	34.02	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1064199	29.14	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	1321808	28.38	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	126295	21.28	ng/ul	0.00
57) Fluorene-d10	15.23	176	875079	27.25	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	132495	25.53	ng/ul	0.00
70) Anthracene-d10	17.09	188	1260394	30.01	ng/ul	0.00
76) Pyrene-d10	19.39	212	1238644	36.79	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.24	264	1036044	31.99	ng/ul	0.00

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Target Compounds

					Ovalue	
6) Phenol	6.79	94	42030	2.840	ng/ul	93
28) Naphthalene	10.40	128	1981558	52.205	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	1318332	46.585	ng/ul	93
40) 1,1'-Biphenyl	13.05	154	155221	4.208	ng/ul#	97
44) Dimethylphthalate	13.69	163	202664	5.644	ng/ul	99
49) Acenaphthene	14.29	153	690984	23.415	ng/ul	99
53) Dibenzofuran	14.63	168	2583911	58.202	ng/ul	98
55) 2,3,4,6-Tetrachlorophenol	14.87	232	24568	2.641	ng/ul#	81
58) Fluorene	15.29	166	657752	18.087	ng/ul#	97
68) Pentachlorophenol	16.65	266	811944	139.385	ng/ul	96
69) Phenanthrene	17.04	178	10929482	228.037	ng/ul	99
71) Anthracene	17.12	178	1189198	24.055	ng/ul	98
72) Carbazole	17.40	167	713371	17.482	ng/ul	99
74) Fluoranthene	19.06	202	7362195	128.684	ng/ul#	96
77) Pyrene	19.42	202	5034169	114.517	ng/ul#	95
80) Benzo(a)anthracene	21.17	228	743290	17.011	ng/ul	98
82) Chrysene	21.22	228	622933m	15.541	ng/ul	
85) Benzo(b)fluoranthene	22.72	252	449603	10.391	ng/ul#	96
86) Benzo(k)fluoranthene	22.76	252	154412	3.692	ng/ul#	96
88) Benzo(a)pyrene	23.28	252	198203	4.849	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.56	276	88529	1.835	ng/ul	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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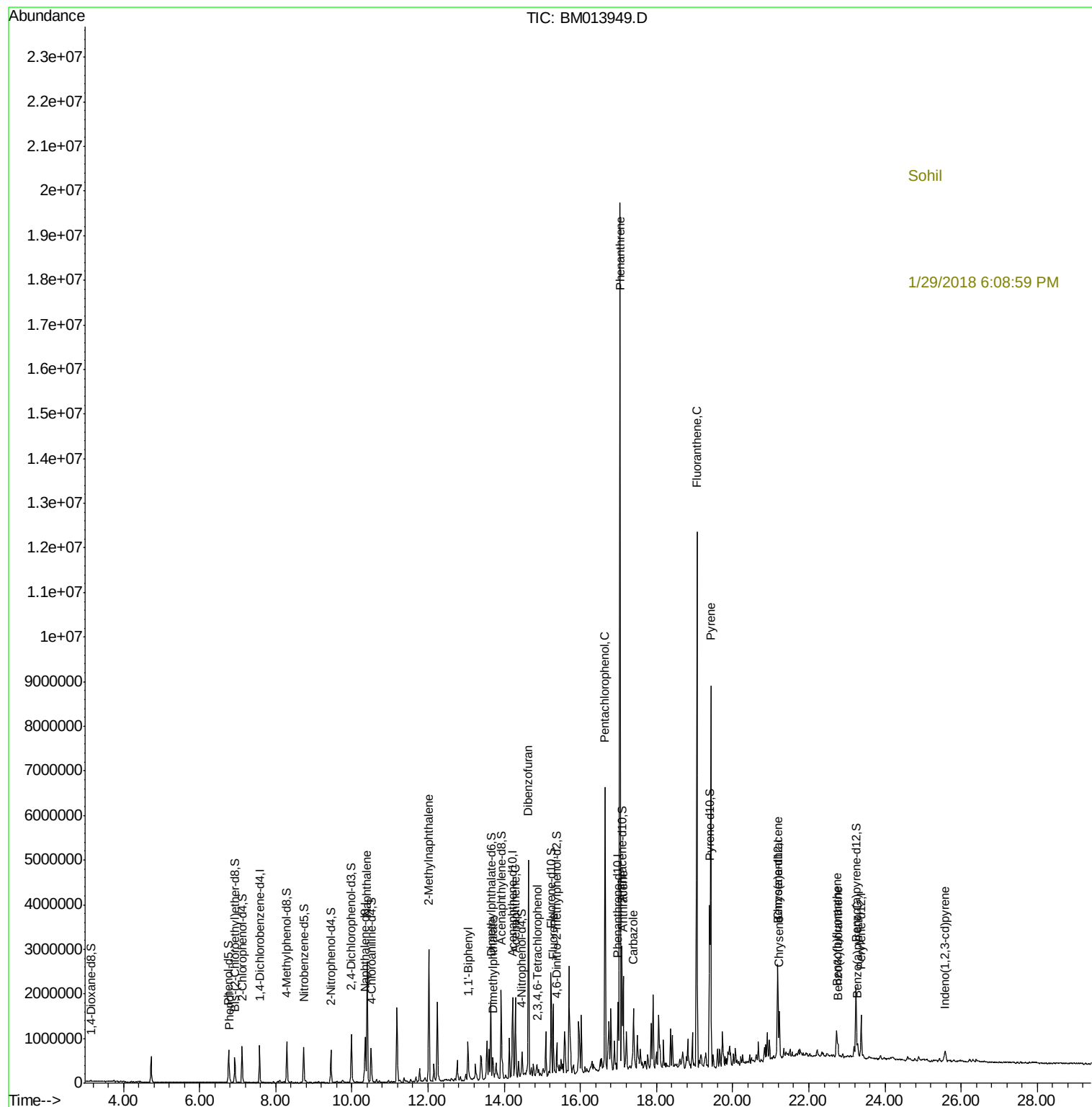
Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
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Acq On : 29 Jan 2018 07:11
Operator : SJ/JU
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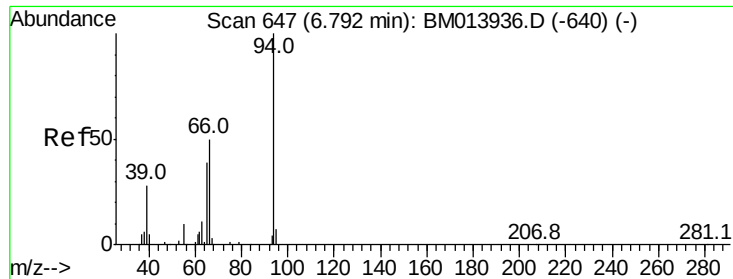
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Quant Time: Jan 29 10:13:47 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
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#6

Phenol

Concen: 2.840 ng/ul

RT: 6.79 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Instrument :

BNA_M

ClientSampled :

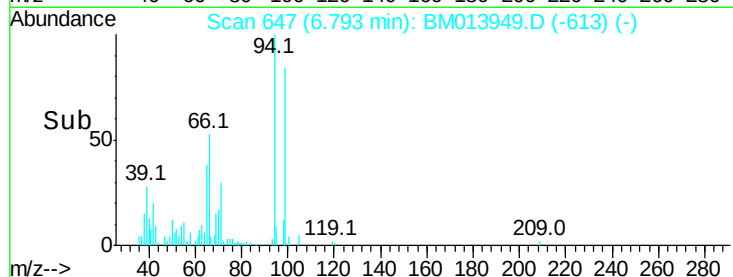
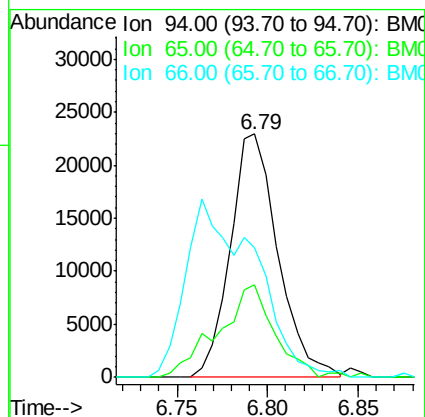
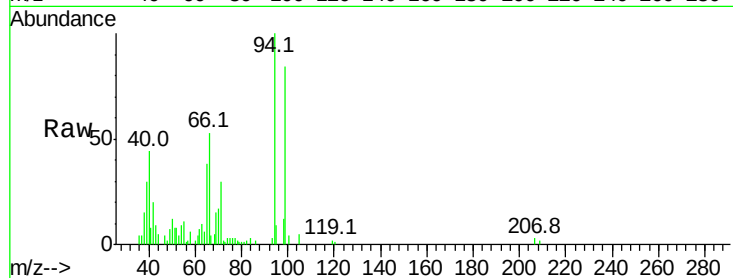
F6B31

Tot Ion:	94	Resp:	42030
Ion	Ratio	Lower	Upper
94	100		
65	38.0	28.2	42.4
66	53.2	47.2	70.8

Manual Integrations
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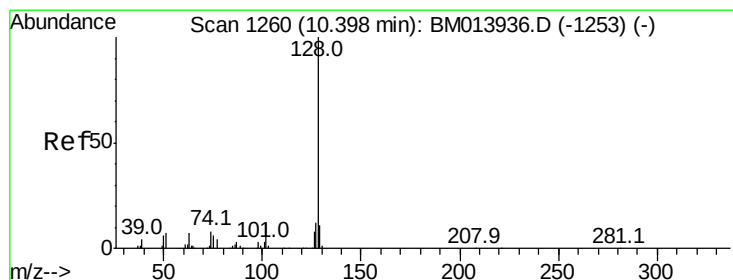
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#28

Naphthalene

Concen: 52.205 ng/ul

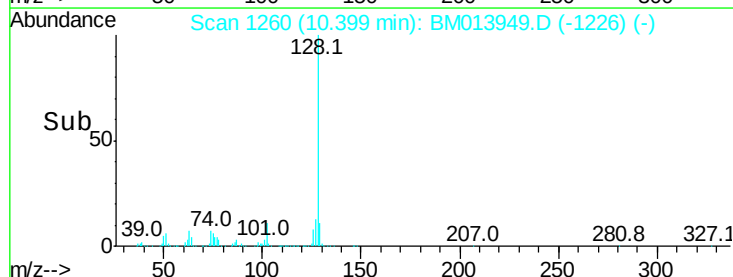
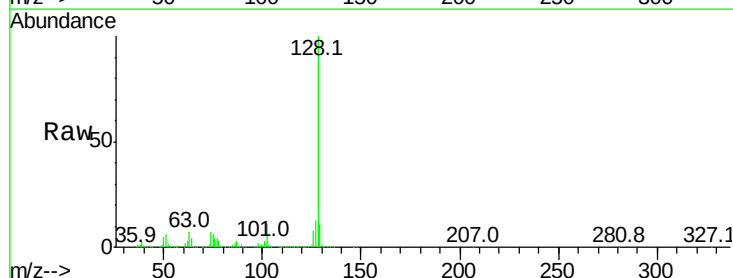
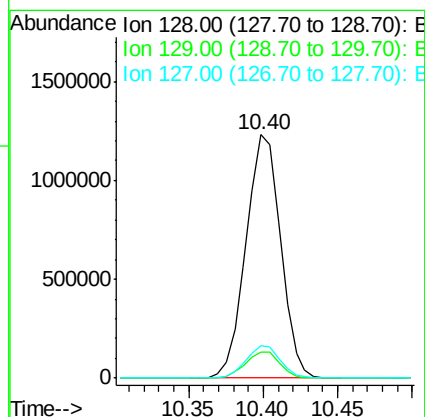
RT: 10.40 min Scan# 1260

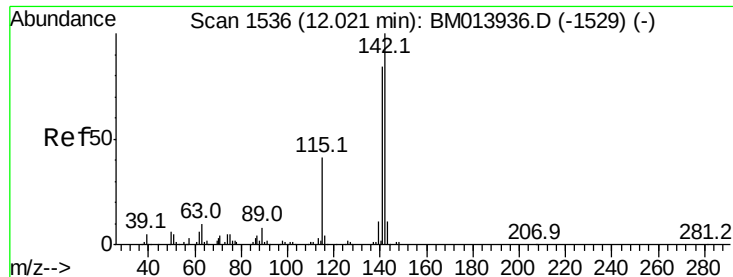
Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Tgt Ion:	128	Resp:	1981558
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.1	10.6	16.0





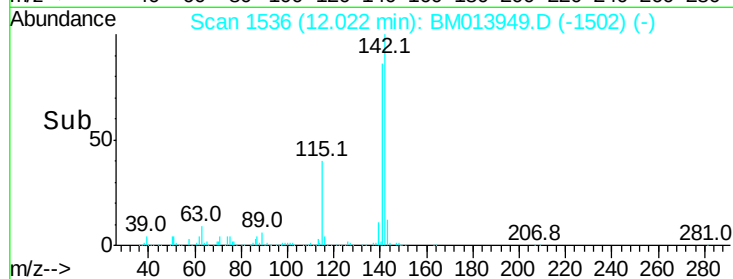
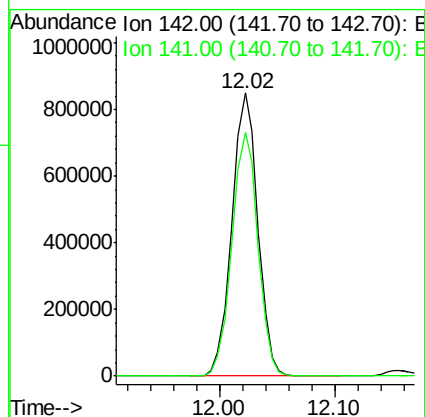
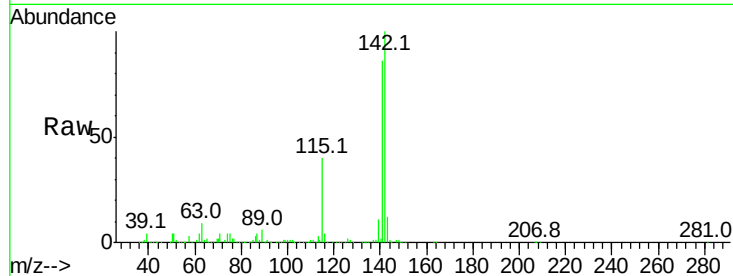
#34
2-Methylnaphthalene
Concen: 46.585 ng/ul
RT: 12.02 min Scan# 1536
Delta R.T. 0.00 min
Lab File: BM013949.D
Acq: 29 Jan 2018 07:11

Instrument :
BNA_M
ClientSampled :
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Tot Ion:142 Resp: 1318332
Ion Ratio Lower Upper
142 100
141 86.1 74.1 111.1

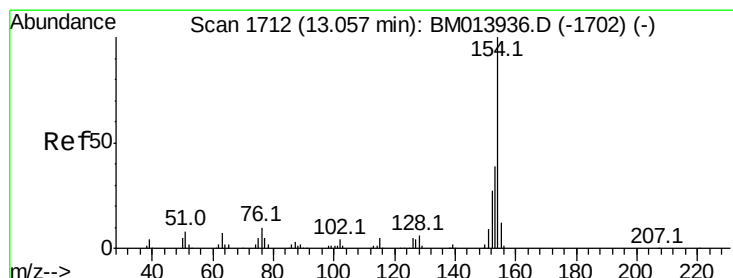
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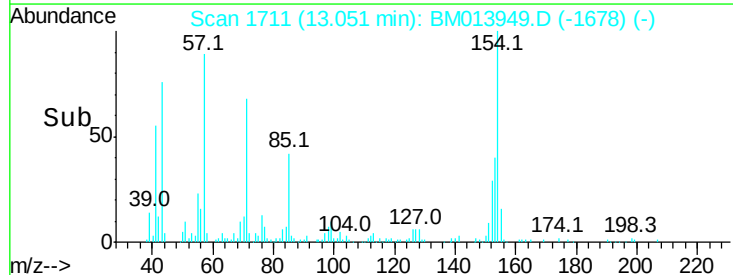
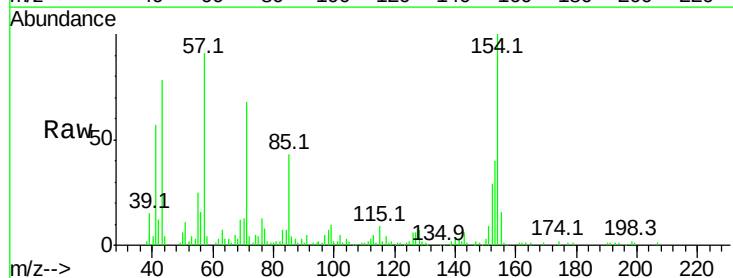
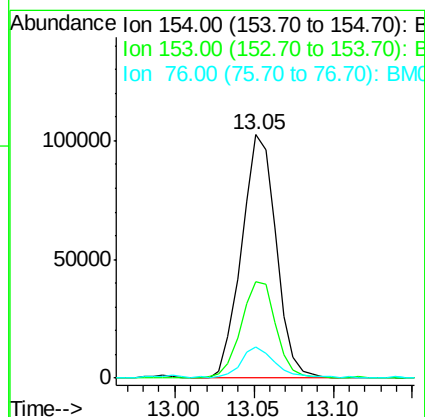
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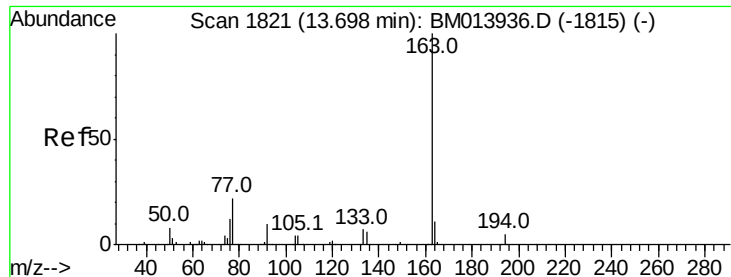
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#40
1,1'-Biphenyl
Concen: 4.208 ng/ul
RT: 13.05 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BM013949.D
Acq: 29 Jan 2018 07:11

Tgt Ion:154 Resp: 155221
Ion Ratio Lower Upper
154 100
153 39.6 32.6 48.8
76 13.0 8.5 12.7#





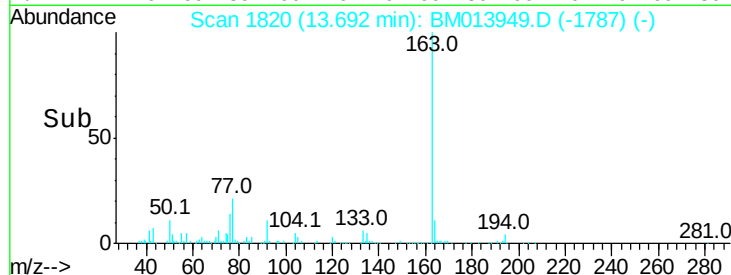
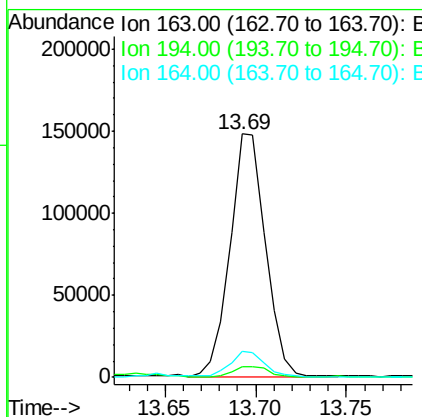
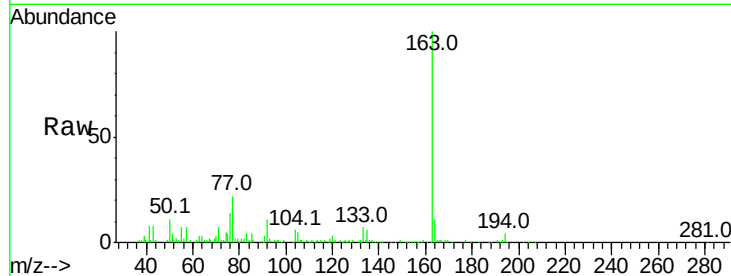
#44
Dimethylphthalate
Concen: 5.644 ng/ul
RT: 13.69 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BM013949.D
Acq: 29 Jan 2018 07:11

Instrument :
BNA_M
ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	202664		
194	4.2		3.5	5.3
164	10.6		8.2	12.4

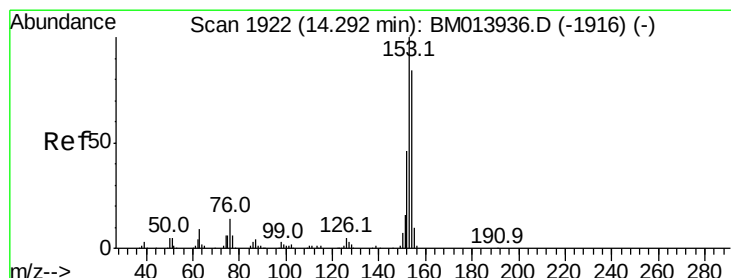
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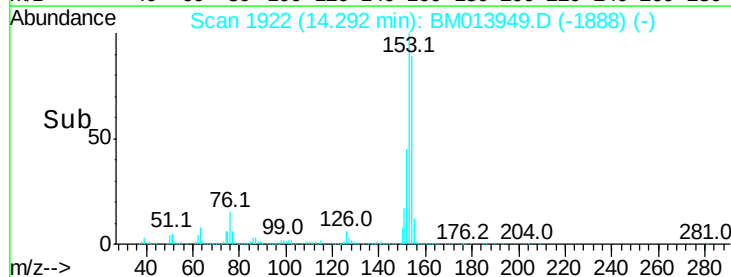
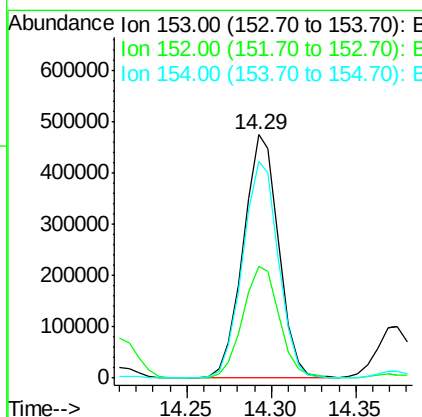
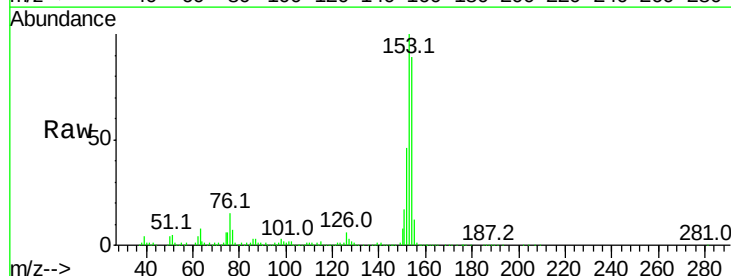
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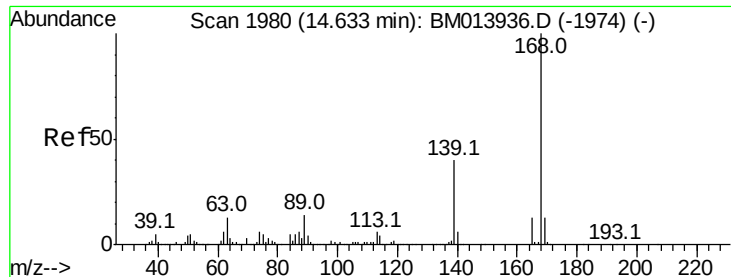
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#49
Acenaphthene
Concen: 23.415 ng/ul
RT: 14.29 min Scan# 1922
Delta R.T. 0.00 min
Lab File: BM013949.D
Acq: 29 Jan 2018 07:11

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	690984		
152	45.7		37.6	56.4
154	89.0		70.4	105.6





#53

Dibenzofuran

Concen: 58.202 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Instrument :

BNA_M

ClientSampled :

F6B31

Tot Ion:168 Resp: 2583911

Ion Ratio Lower Upper

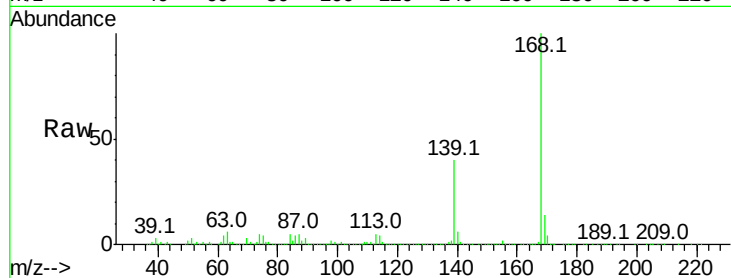
168 100

139 39.8 30.8 46.2

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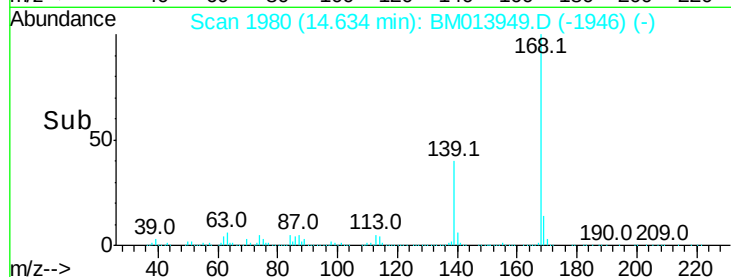
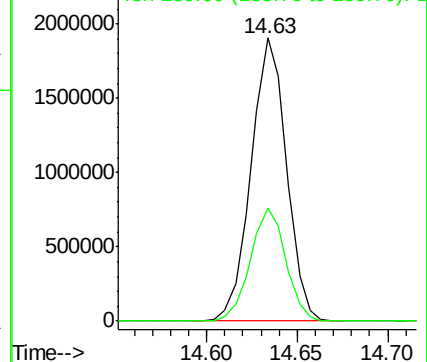
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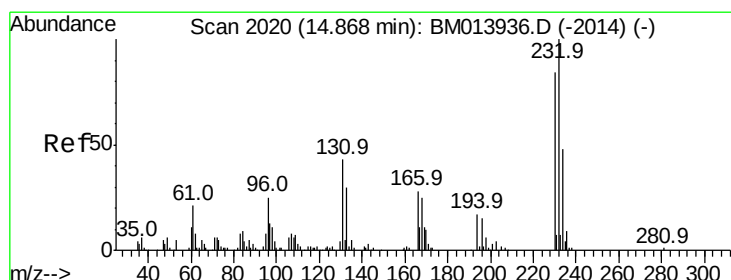
Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



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#55

2,3,4,6-Tetrachlorophenol

Concen: 2.641 ng/ul

RT: 14.87 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Tgt Ion:232 Resp: 24568

Ion Ratio Lower Upper

232 100

131 55.5 29.0 43.4#

130 8.9 2.0 3.0#

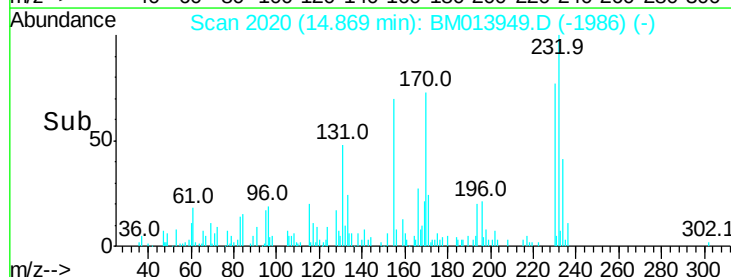
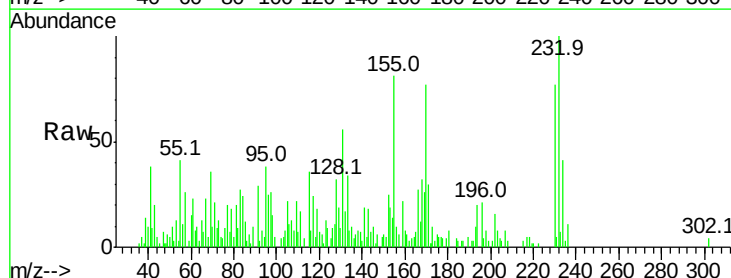
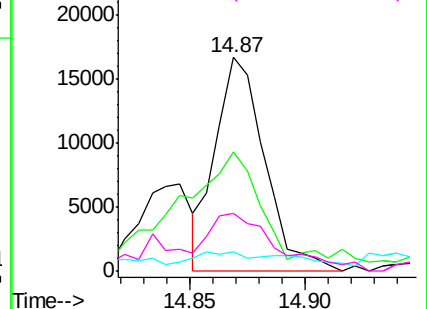
166 26.8 21.4 32.2

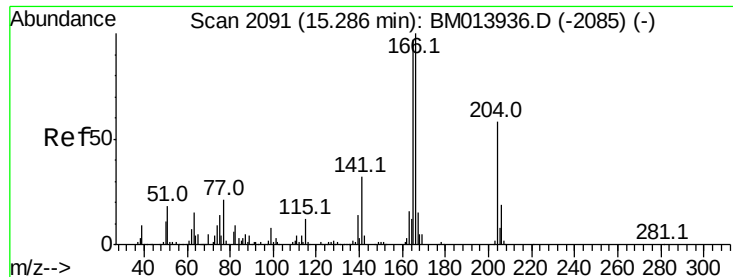
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





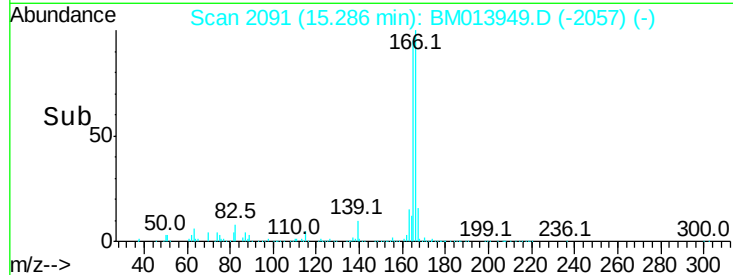
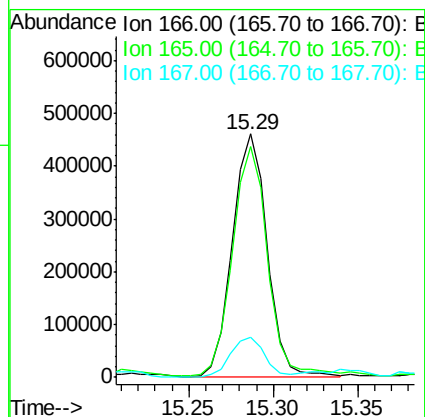
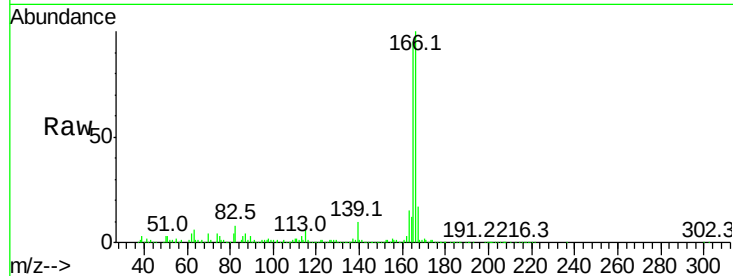
#58
 Fluorene
 Concen: 18.087 ng/ul
 RT: 15.29 min Scan# 2091
 Delta R.T. 0.00 min
 Lab File: BM013949.D
 Acq: 29 Jan 2018 07:11

Instrument :
 BNA_M
 ClientSampled :
 F6B31

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	94.8	77.9	116.9	
167	16.6	10.6	16.0#	

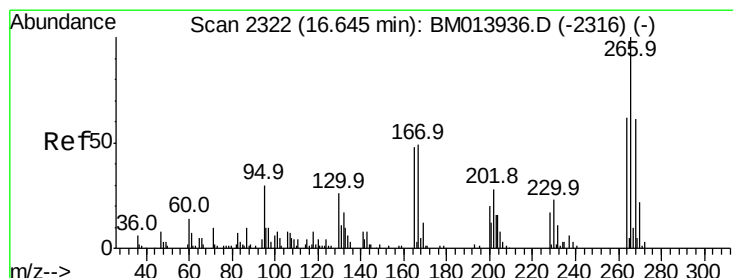
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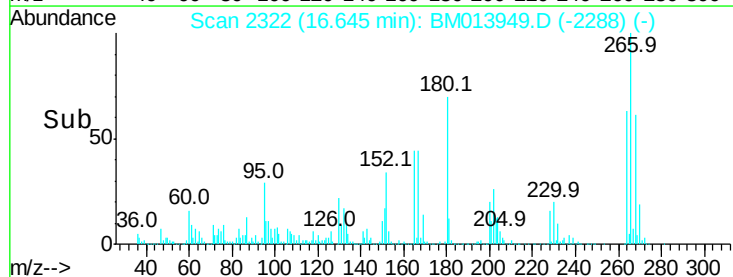
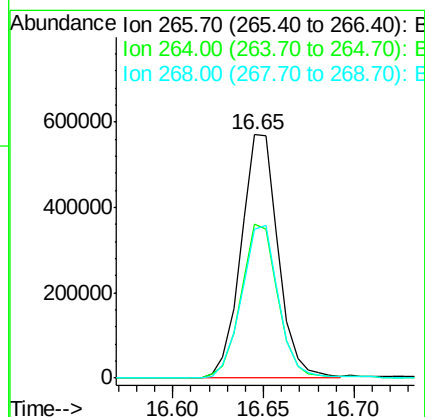
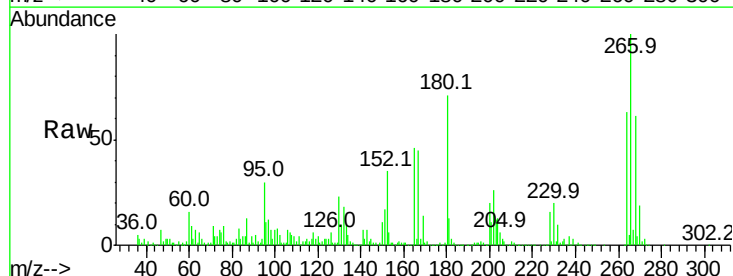
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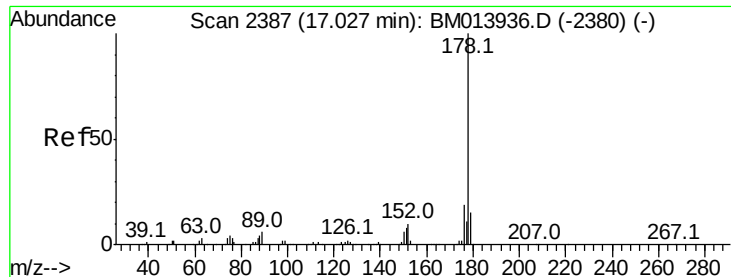
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#68
 Pentachlorophenol
 Concen: 139.385 ng/ul
 RT: 16.65 min Scan# 2322
 Delta R.T. 0.00 min
 Lab File: BM013949.D
 Acq: 29 Jan 2018 07:11

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
264	63.2	49.3	73.9	
268	61.0	52.6	78.8	





#69

Phenanthrene

Concen: 228.037 ng/ul

RT: 17.04 min Scan# 2389

Delta R.T. 0.01 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Instrument :

BNA_M

ClientSampled :

F6B31

Tot Ion:178 Resp:10929482

Ion Ratio Lower Upper

178 100

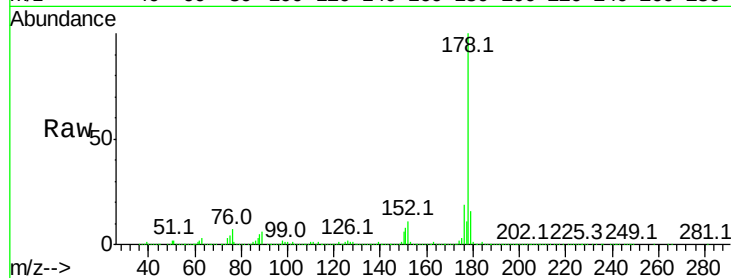
179 16.0 12.6 19.0

176 19.2 14.9 22.3

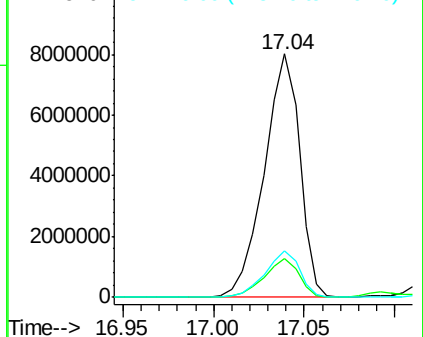
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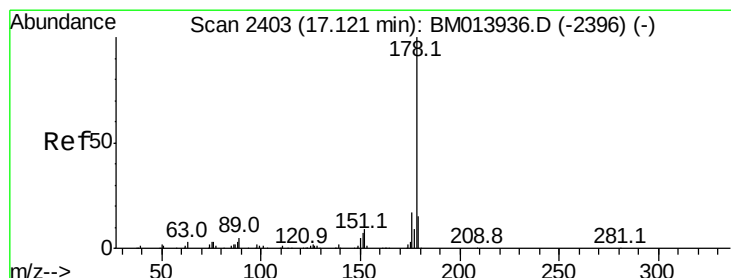
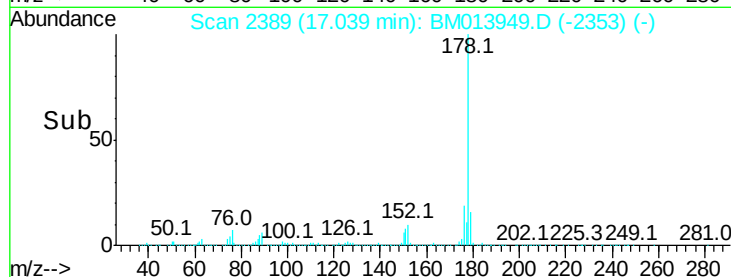


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



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#71

Anthracene

Concen: 24.055 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

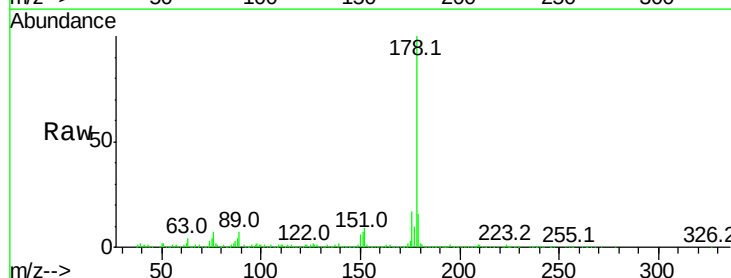
Tgt Ion:178 Resp: 1189198

Ion Ratio Lower Upper

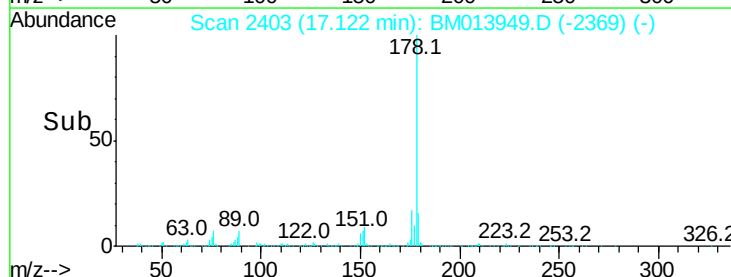
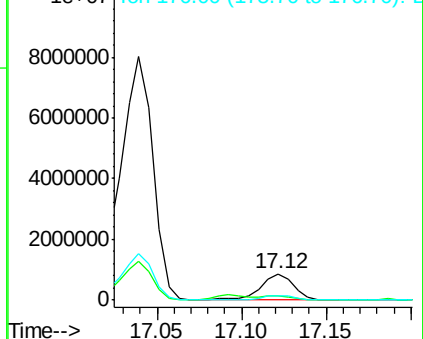
178 100

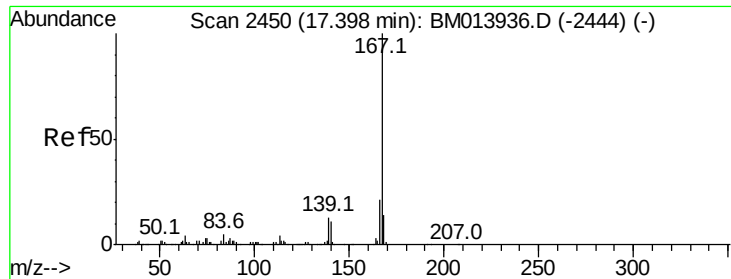
179 15.8 11.7 17.5

176 17.3 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





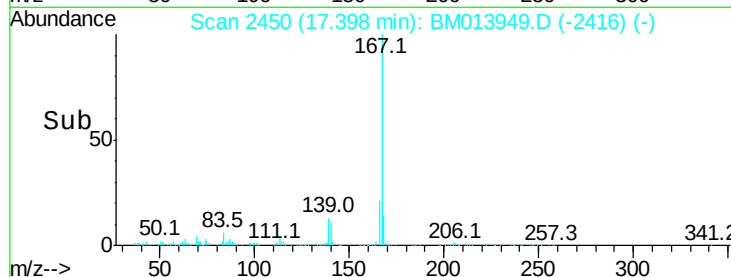
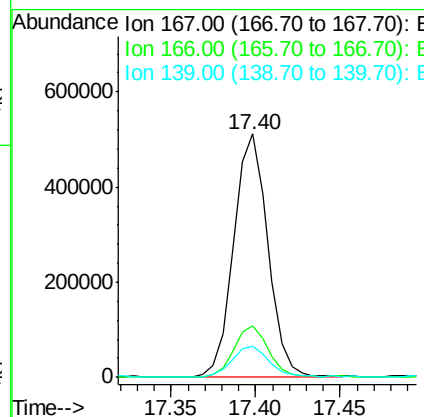
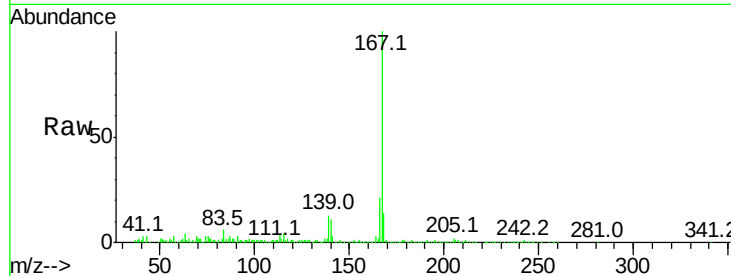
#72
 Carbazole
 Concen: 17.482 ng/ul
 RT: 17.40 min Scan# 2450
 Delta R.T. 0.00 min
 Lab File: BM013949.D
 Acq: 29 Jan 2018 07:11

Instrument :
 BNA_M
 ClientSampled :
 F6B31

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	13.0	10.0	15.0

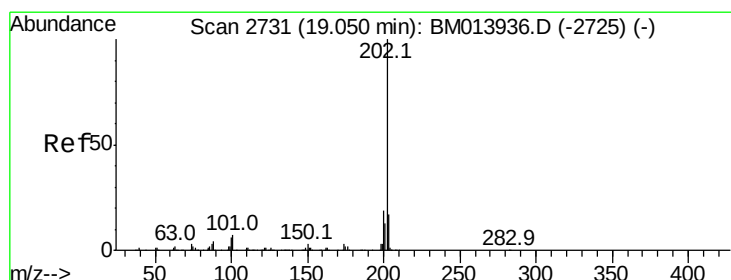
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Sohil
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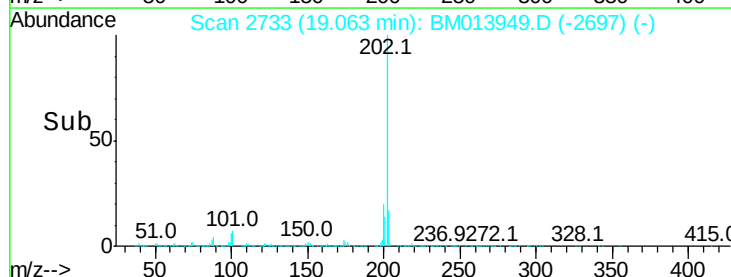
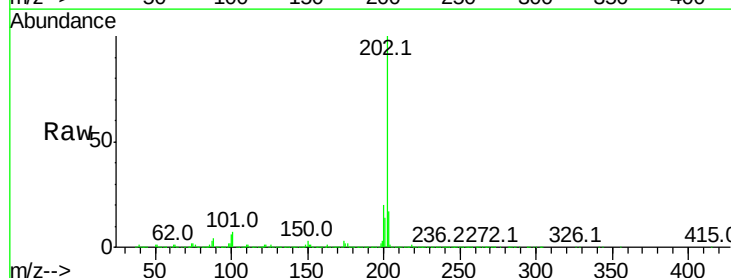
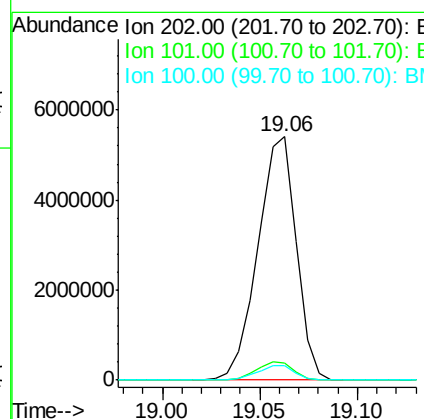
Sohil

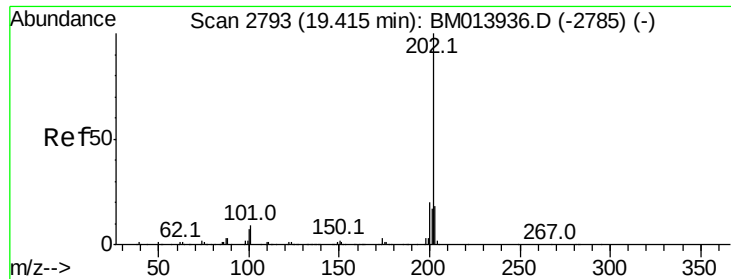
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#74
 Fluoranthene
 Concen: 128.684 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. 0.01 min
 Lab File: BM013949.D
 Acq: 29 Jan 2018 07:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.9	4.6	7.0
100	5.8	3.4	5.2#





#77

Pvrene

Concen: 114.517 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. 0.01 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Instrument :

BNA_M

ClientSampled :

F6B31

Tot Ion:202 Resp: 5034169

Ion Ratio Lower Upper

202 100

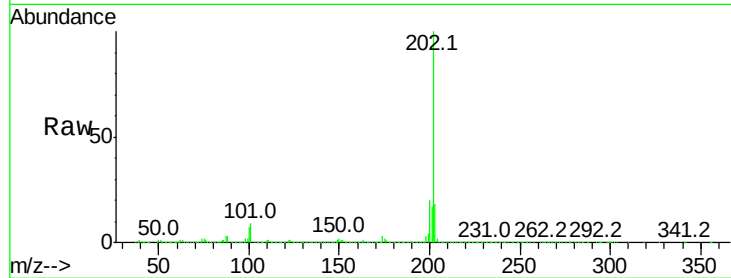
101 8.9 5.1 7.7#

100 7.2 4.9 7.3

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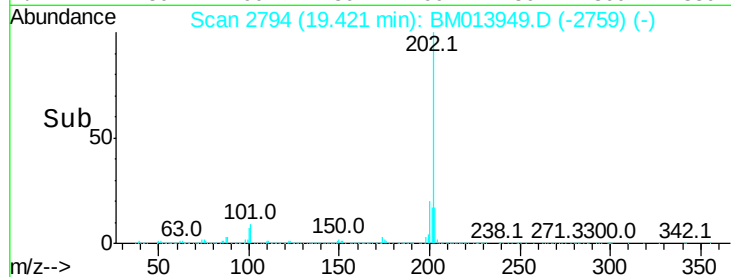
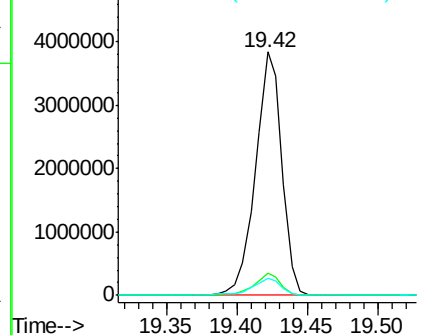
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Abundance Ion 202.00 (201.70 to 202.70): E

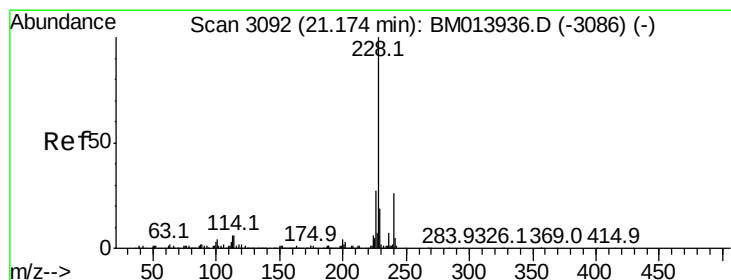
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



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#80

Benzo(a)anthracene

Concen: 17.011 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

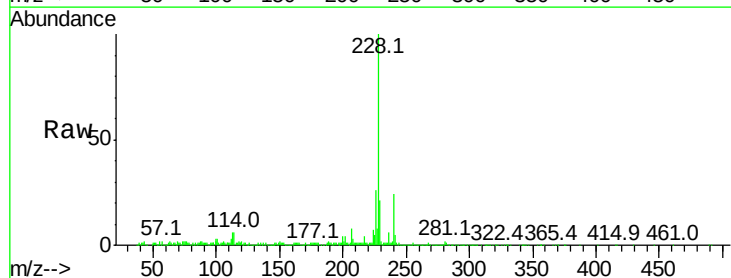
Tgt Ion:228 Resp: 743290

Ion Ratio Lower Upper

228 100

229 21.0 15.4 23.0

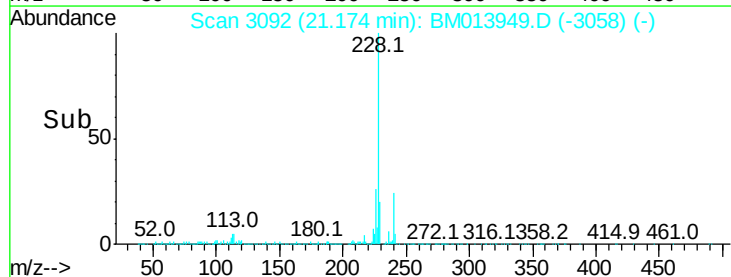
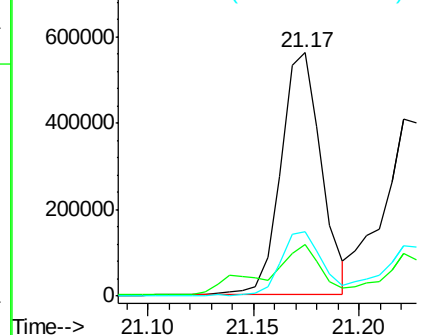
226 26.4 21.4 32.0

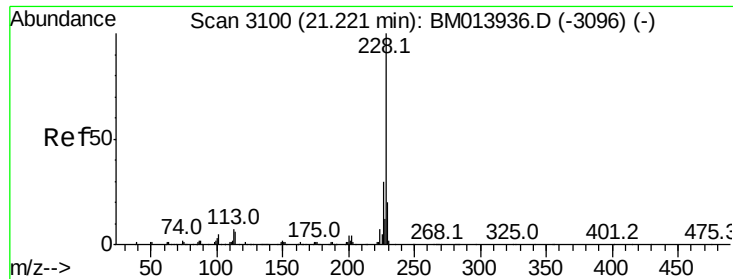


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 15.541 ng/ul m

RT: 21.22 min Scan# 3100

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Instrument :

BNA_M

ClientSampled :

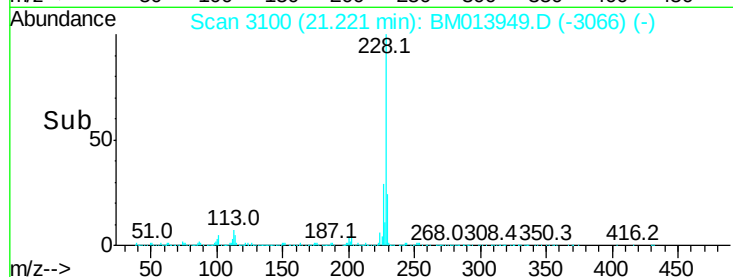
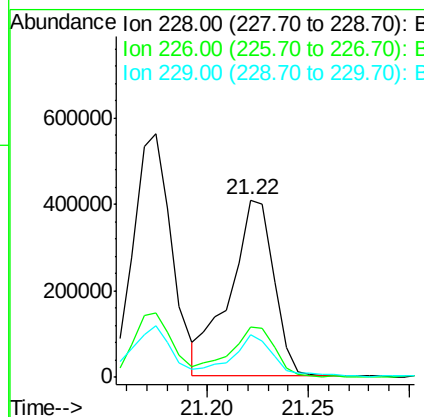
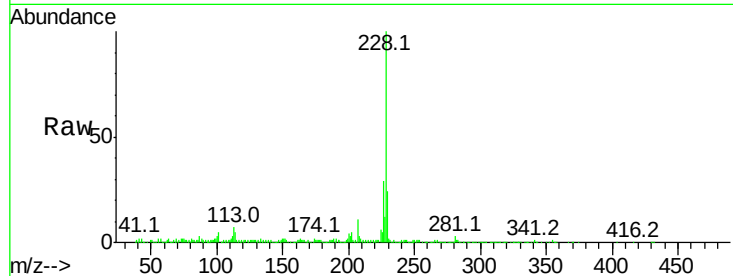
F6B31

Tot Ion:	228	Resp:	622933
Ion Ratio	Lower	Upper	
228	100		
226	28.7	23.4	35.2
229	24.1	15.5	23.3#

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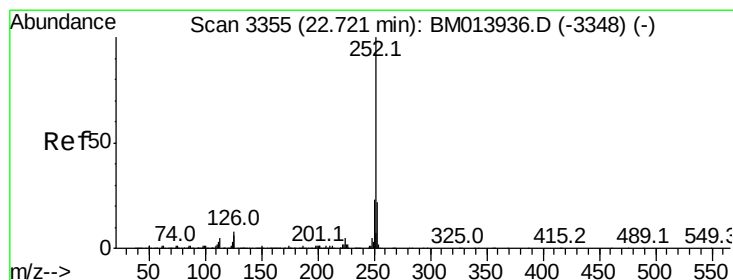
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#85

Benzo(b)fluoranthene

Concen: 10.391 ng/ul

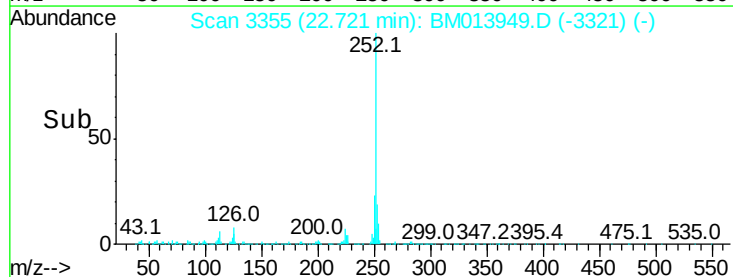
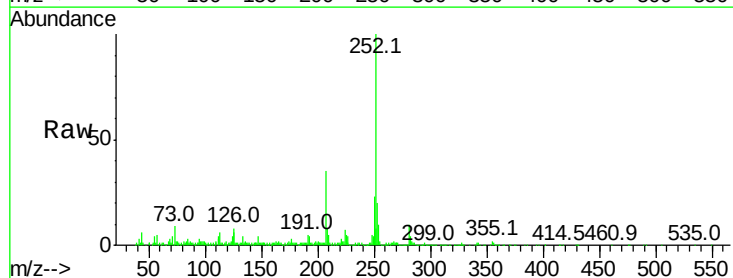
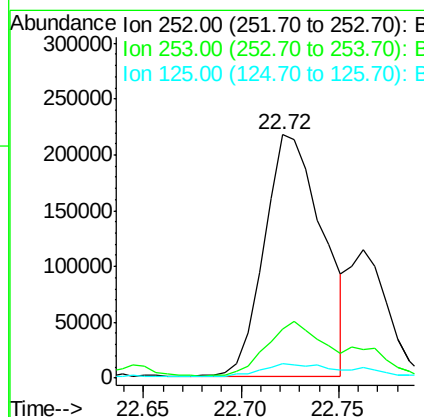
RT: 22.72 min Scan# 3355

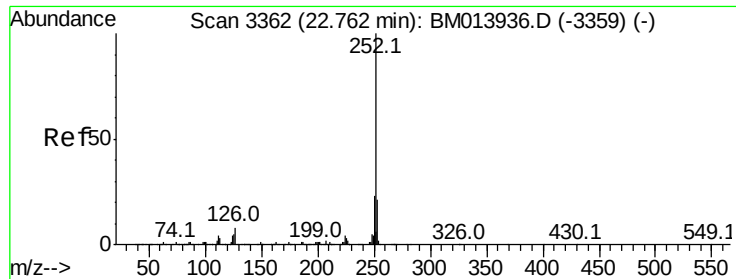
Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Tgt Ion:	252	Resp:	449603
Ion Ratio	Lower	Upper	
252	100		
253	20.4	17.9	26.9
125	6.1	3.6	5.4#





#86

Benzo(k)fluoranthene

Concen: 3.692 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Instrument :

BNA_M

ClientSampled :

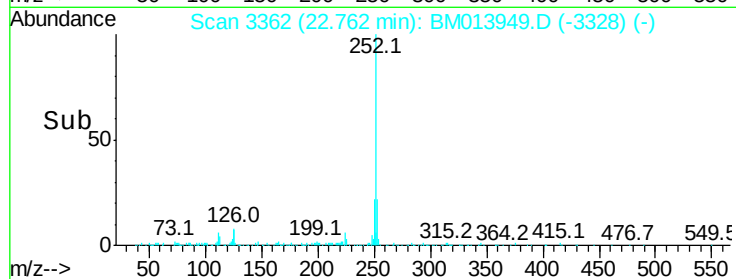
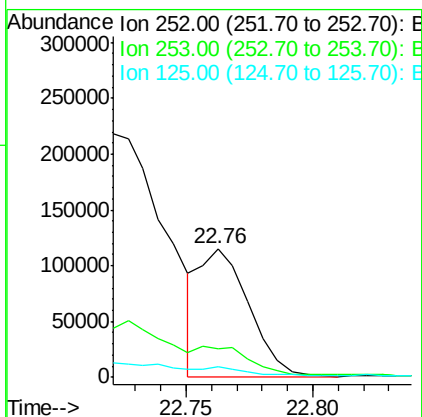
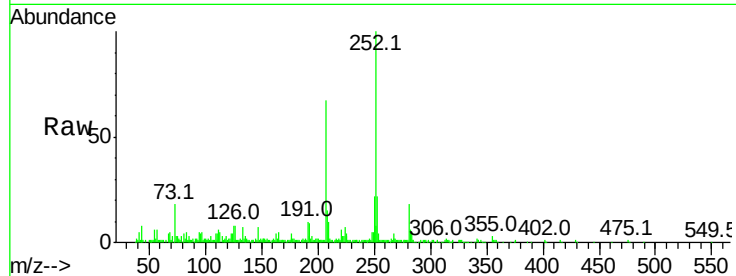
F6B31

Tot Ion:252	Resp:	154412
Ion Ratio	Lower	Upper
252 100		
253 22.4	17.1	25.7
125 7.9	3.4	5.2#

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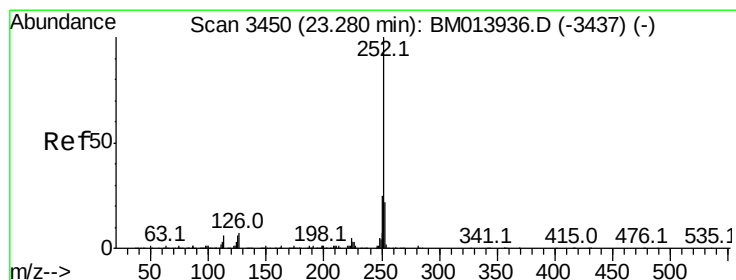
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#88

Benzo(a)pyrene

Concen: 4.849 ng/ul

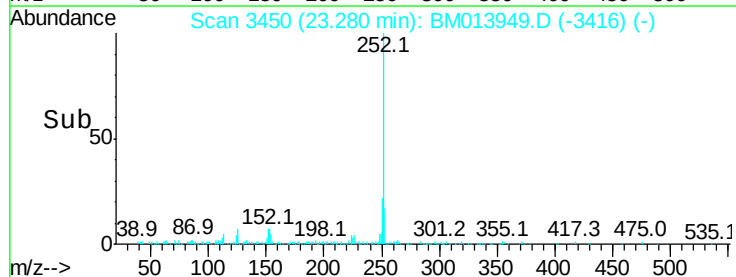
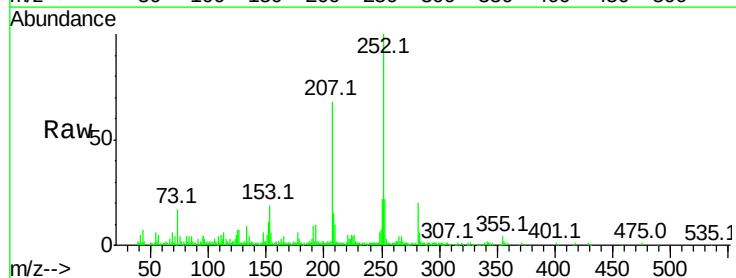
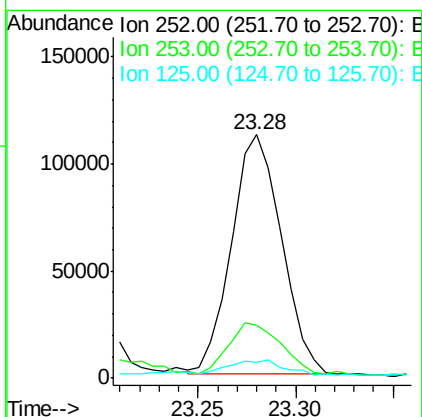
RT: 23.28 min Scan# 3450

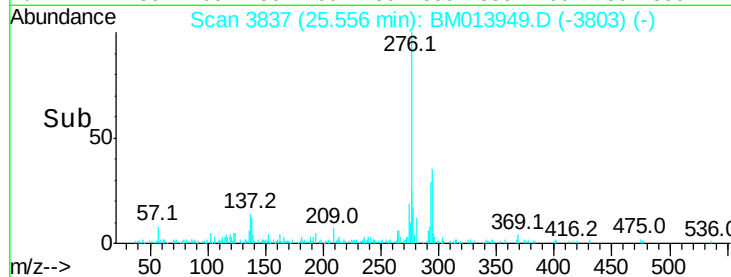
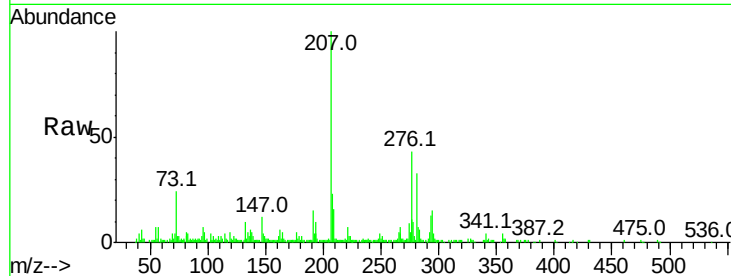
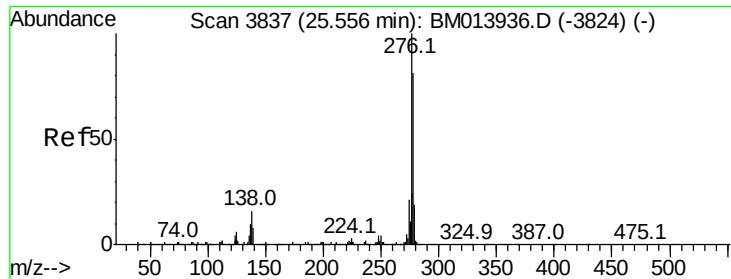
Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Tgt Ion:252	Resp:	198203
Ion Ratio	Lower	Upper
252 100		
253 21.9	18.2	27.2
125 6.6	4.0	6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.835 ng/ul

RT: 25.56 min Scan# 3837

Delta R.T. 0.00 min

Lab File: BM013949.D

Acq: 29 Jan 2018 07:11

Tot Ion:	276	Resp:	88529
Ion Ratio	Lower	Upper	
276	100		
138	12.7	9.3	13.9
277	26.3	19.9	29.9

Instrument :

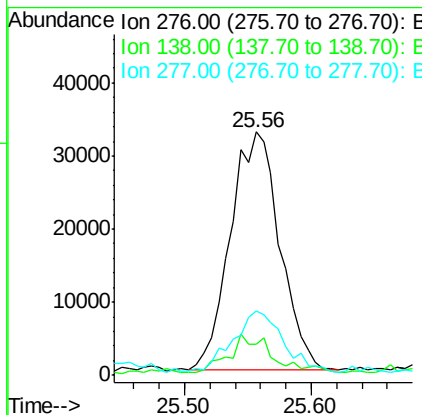
BNA_M

ClientSampleId :

F6B31

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