

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121417\
 Data File : BM013431.D
 Acq On : 15 Dec 2017 08:58
 Operator : SJ/JU
 Sample : I6778-15
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A80

Manual Integrations
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Quant Time: Dec 15 16:56:17 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	280416	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	1216021	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	716752	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	1475960	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1294295	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1047661	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	24629	4.35	ng/uL	0.00
5) Phenol-d5	6.86	99	618133	25.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	379557	27.43	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	510597	26.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	557989	26.92	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	289432	30.01	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	322530	31.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	554120	26.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	476066	24.35	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	1723066	27.01	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	2067540	26.27	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	264180	23.84	ng/ul	0.01
57) Fluorene-d10	15.32	176	1419143	25.87	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.47	200	190635	20.53	ng/ul	0.02
70) Anthracene-d10	17.18	188	2057617	27.84	ng/ul	0.01
76) Pyrene-d10	19.47	212	2102019	32.60	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	1388343	26.02	ng/ul	0.00

Target Compounds

					Qvalue	
6) Phenol	6.88	94	76582	3.193	ng/ul#	86
24) 2,4-Dimethylphenol	9.65	107	52274	2.240	ng/ul#	81
28) Naphthalene	10.52	128	27659707m	442.111	ng/ul	
34) 2-Methylnaphthalene	12.13	142	9772476	207.792	ng/ul	96
40) 1,1'-Biphenyl	13.15	154	2369545	39.117	ng/ul	98
44) Dimethylphthalate	13.79	163	522543	8.566	ng/ul	99
47) Acenaphthylene	14.04	152	1145619	15.728	ng/ul#	95
49) Acenaphthene	14.40	153	9236703	186.155	ng/ul	98
53) Dibenzofuran	14.73	168	10157470	138.668	ng/ul	100
58) Fluorene	15.39	166	10758656	177.543	ng/ul	99
68) Pentachlorophenol	16.74	266	13481	1.218	ng/ul	88
69) Phenanthrene	17.12	178	25894979m	308.817	ng/ul	
71) Anthracene	17.22	178	6226856	72.650	ng/ul	98
72) Carbazole	17.49	167	4785252	64.908	ng/ul	100
74) Fluoranthene	19.14	202	17104833m	166.457	ng/ul	
77) Pyrene	19.51	202	13725654	174.556	ng/ul#	85
80) Benzo(a)anthracene	21.25	228	3420649	41.654	ng/ul	98
82) Chrysene	21.30	228	2788334	36.599	ng/ul	98
85) Benzo(b)fluoranthene	22.82	252	1822720	25.809	ng/ul#	98
86) Benzo(k)fluoranthene	22.86	252	530489m	7.982	ng/ul	
88) Benzo(a)pyrene	23.39	252	1134991	17.890	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.71	276	457293	7.265	ng/ul#	97
90) Dibenzo(a,h)anthracene	25.71	278	133580	2.492	ng/ul#	87

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	26.39	276	340454	6.857	ng/ul#	90

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

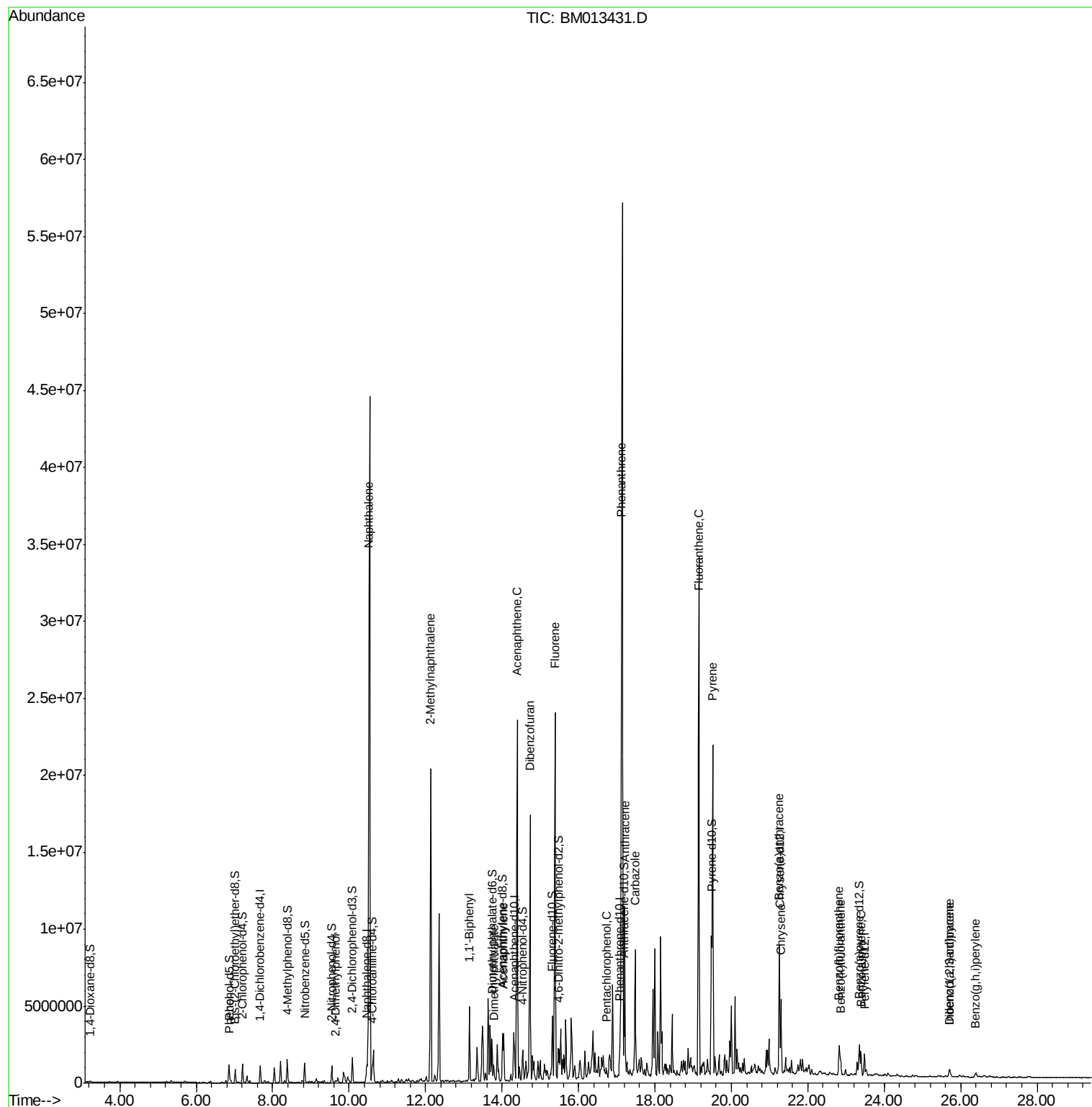
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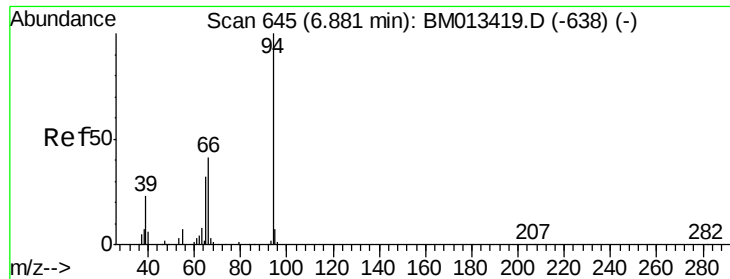
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#6

Phenol

Concen: 3.193 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. -0.01 min

Lab File: BM013431.D

Acq: 15 Dec 2017 08:58

Instrument :

BNA_M

ClientSampleId :

F9A80

Tgt Ion: 94 Resp: 76582

Ion Ratio Lower Upper

94 100

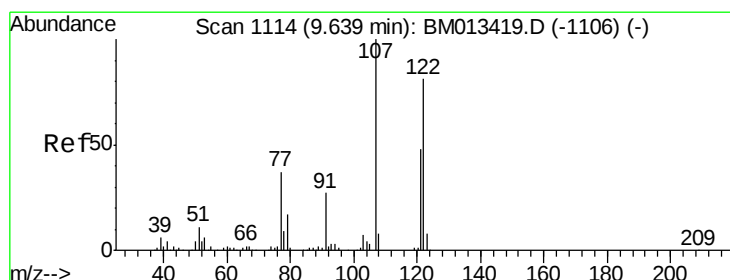
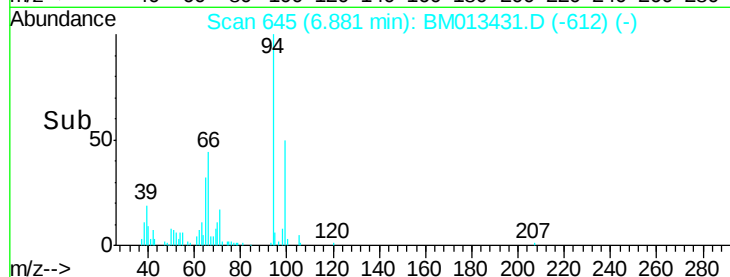
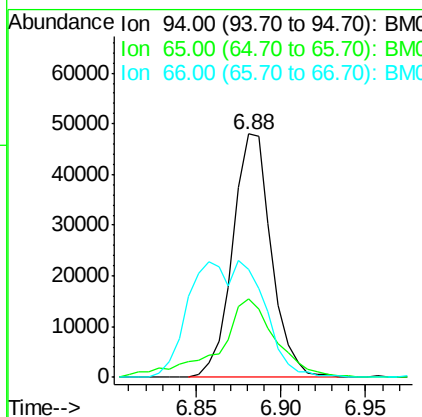
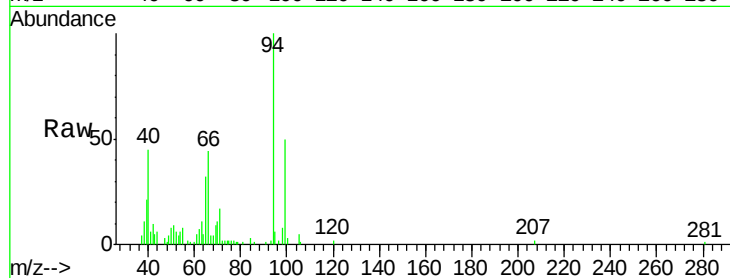
65 32.3 28.2 42.4

66 44.5 47.2 70.8#

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#24

2,4-Dimethylphenol

Concen: 2.240 ng/ul

RT: 9.65 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BM013431.D

Acq: 15 Dec 2017 08:58

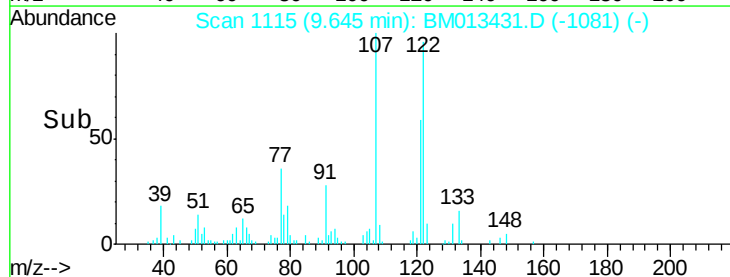
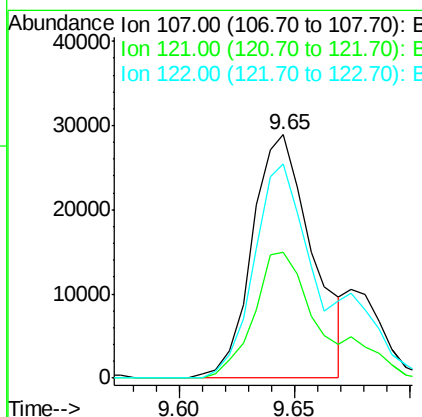
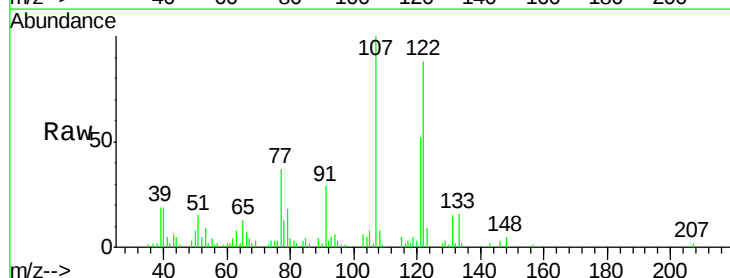
Tgt Ion: 107 Resp: 52274

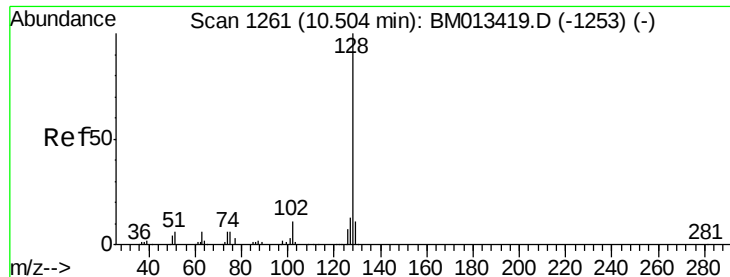
Ion Ratio Lower Upper

107 100

121 51.8 31.9 47.9#

122 87.8 57.8 86.6#





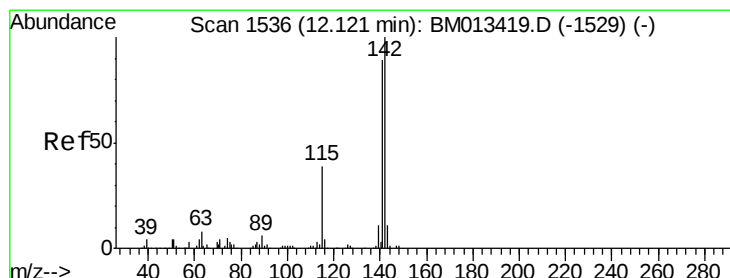
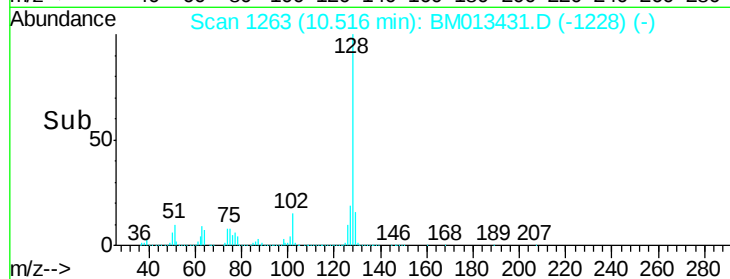
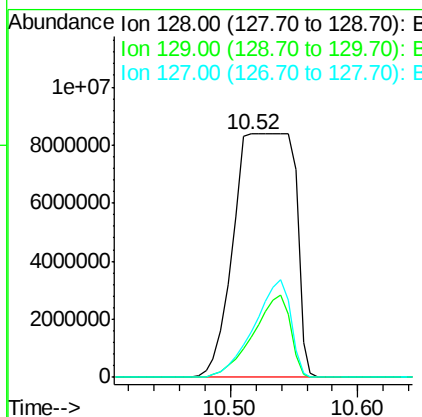
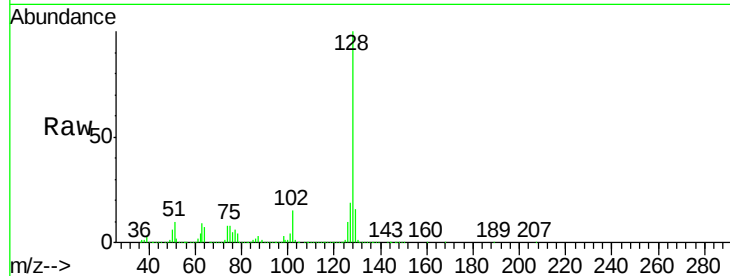
#28
Naphthalene
Concen: 442.111 ng/ul m
RT: 10.52 min Scan# 1263
Delta R.T. 0.01 min
Lab File: BM013431.D
Acq: 15 Dec 2017 08:58

Instrument :
BNA_M
ClientSampleId :
F9A80

Tgt Ion:128 Resp:27659707
Ion Ratio Lower Upper
128 100
129 16.3 8.8 13.2#
127 18.6 10.6 16.0#

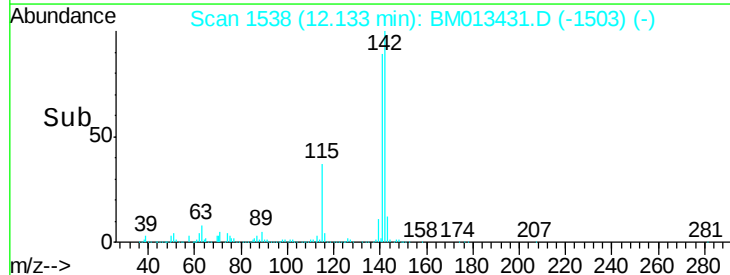
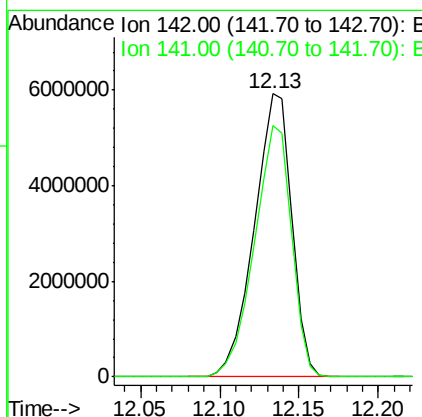
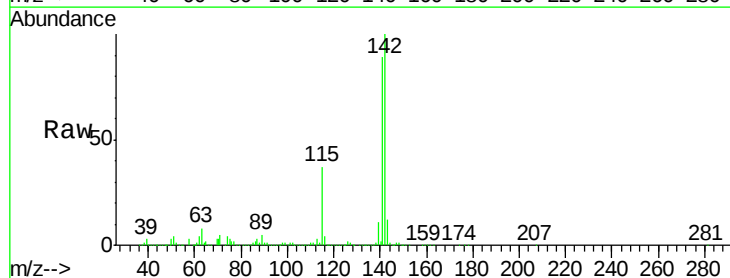
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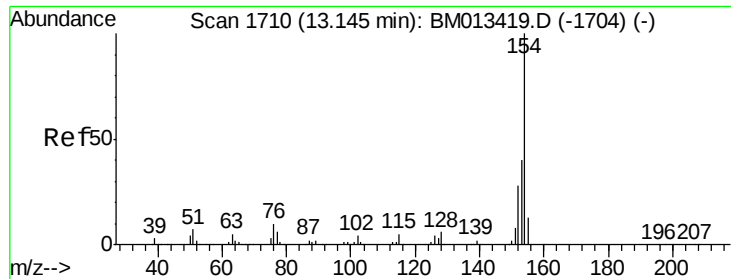
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#34
2-Methylnaphthalene
Concen: 207.792 ng/ul
RT: 12.13 min Scan# 1538
Delta R.T. 0.01 min
Lab File: BM013431.D
Acq: 15 Dec 2017 08:58

Tgt Ion:142 Resp: 9772476
Ion Ratio Lower Upper
142 100
141 88.7 74.1 111.1





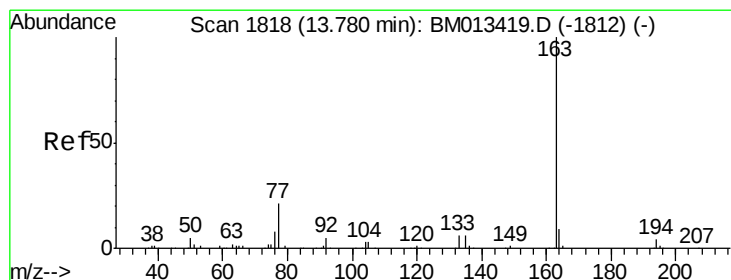
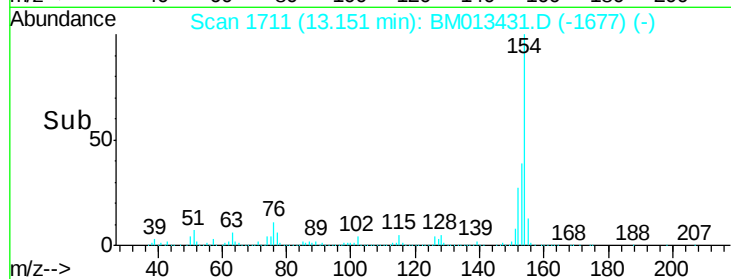
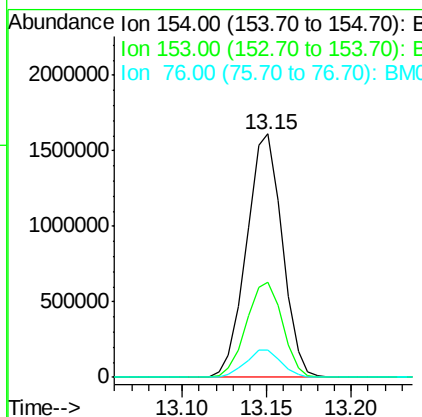
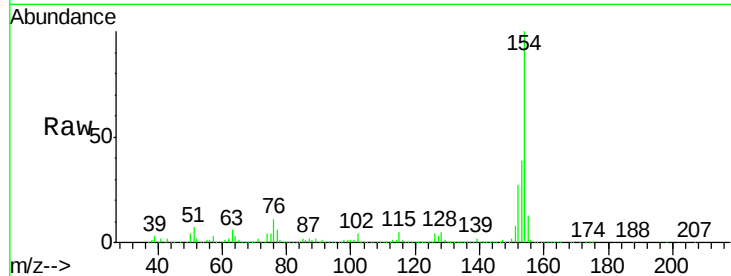
#40
 1,1'-Biphenyl
 Concen: 39.117 ng/ul
 RT: 13.15 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BM013431.D
 Acq: 15 Dec 2017 08:58

Instrument :
 BNA_M
 ClientSampleId :
 F9A80

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.3	32.6	48.8
76	11.5	8.5	12.7

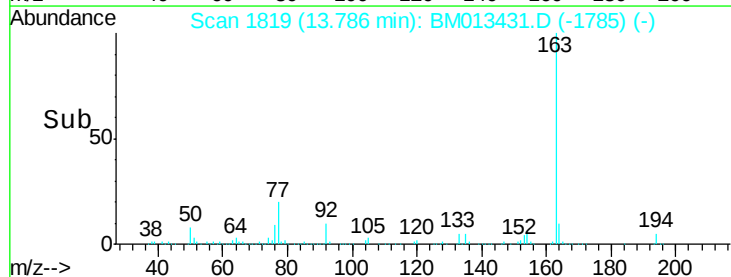
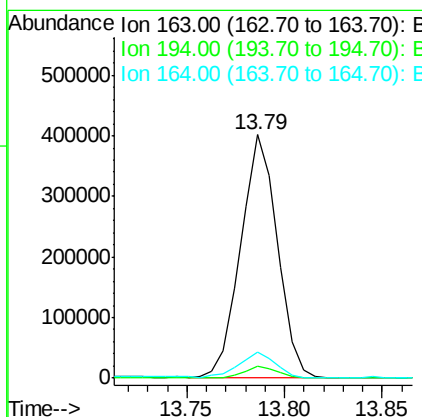
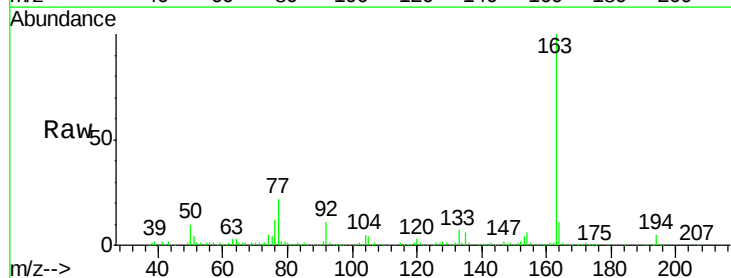
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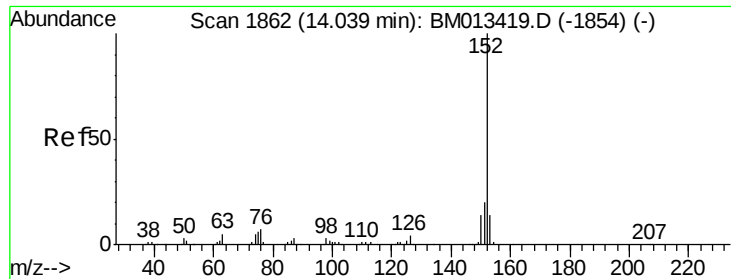
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#44
 Dimethylphthalate
 Concen: 8.566 ng/ul
 RT: 13.79 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: BM013431.D
 Acq: 15 Dec 2017 08:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.5	5.3
164	10.6	8.2	12.4





#47

Acenaphthylene

Concen: 15.728 ng/ul

RT: 14.04 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BM013431.D

Acq: 15 Dec 2017 08:58

Instrument :

BNA_M

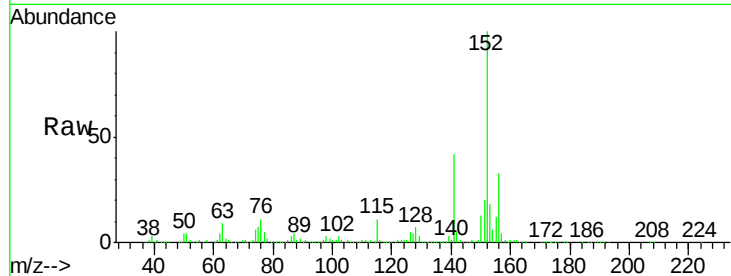
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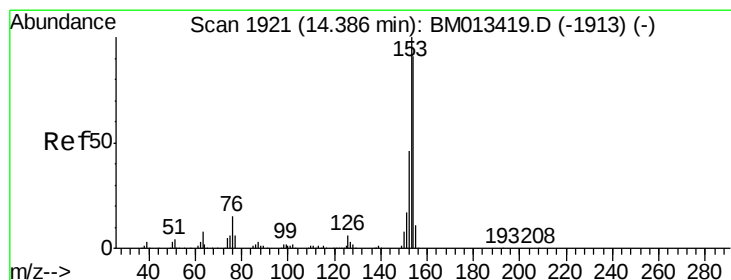
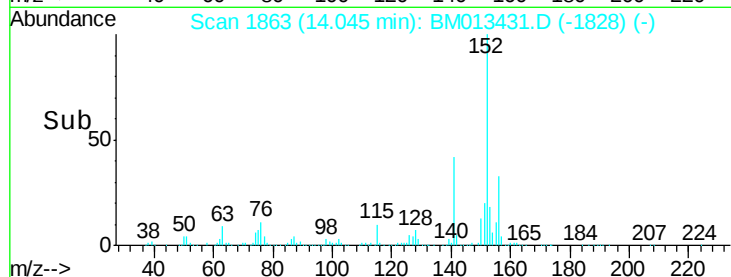
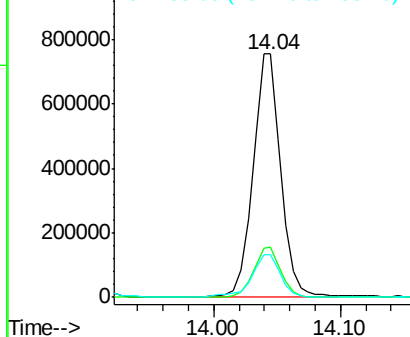
Tgt Ion:	152	Resp:	1145619
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.3	24.5
153	17.8	10.2	15.4

Manual Integrations
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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: 186.155 ng/ul

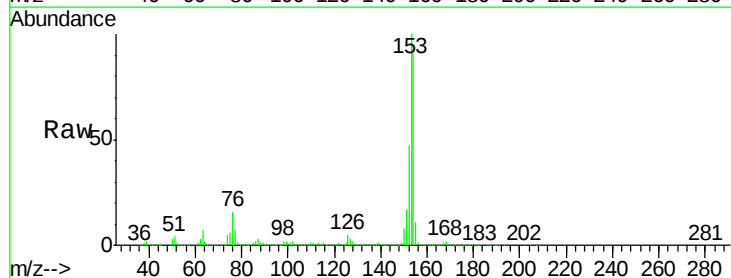
RT: 14.40 min Scan# 1923

Delta R.T. 0.01 min

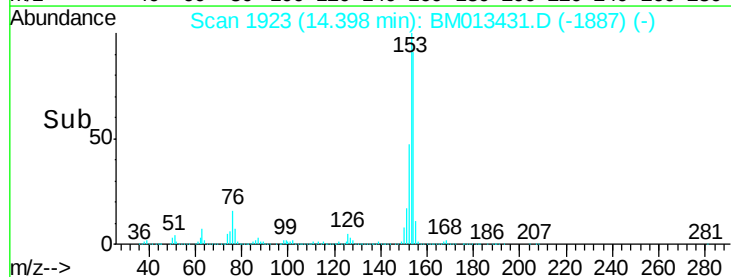
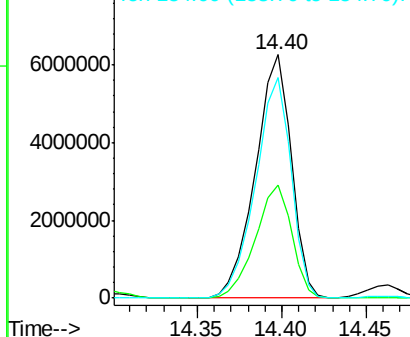
Lab File: BM013431.D

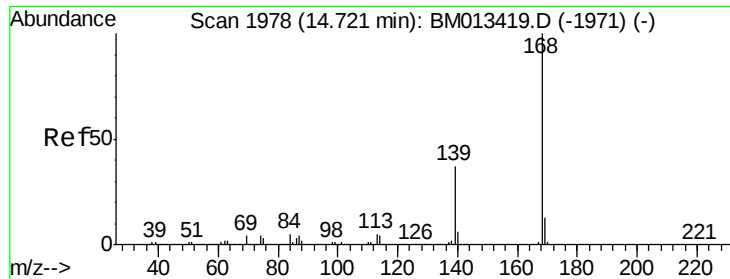
Acq: 15 Dec 2017 08:58

Tgt Ion:	153	Resp:	9236703
Ion Ratio	Lower	Upper	
153	100		
152	46.5	37.6	56.4
154	90.6	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





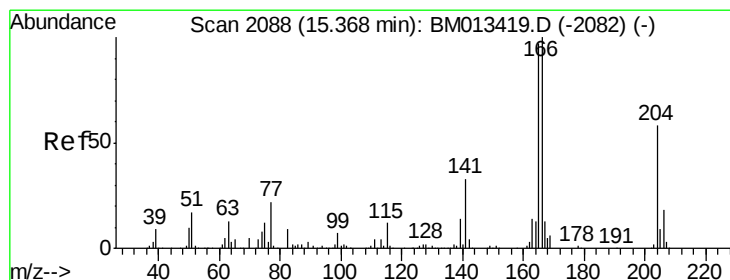
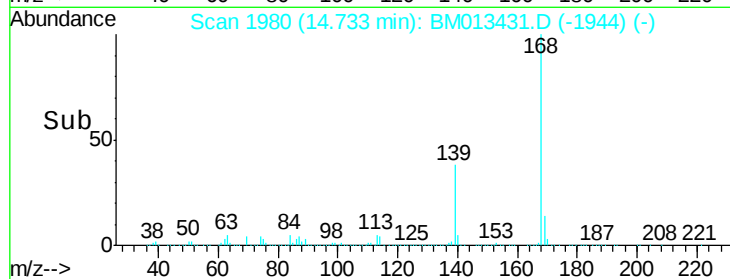
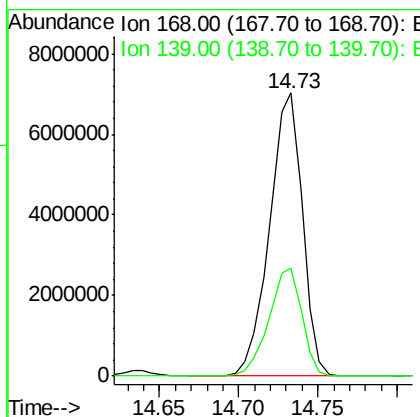
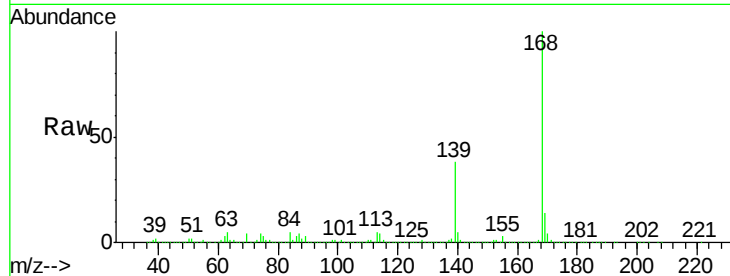
#53
Dibenzenofuran
Concen: 138.668 ng/ul
RT: 14.73 min Scan# 1980
Delta R.T. 0.01 min
Lab File: BM013431.D
Acq: 15 Dec 2017 08:58

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Tgt Ion:168 Resp:10157470
Ion Ratio Lower Upper
168 100
139 38.2 30.8 46.2

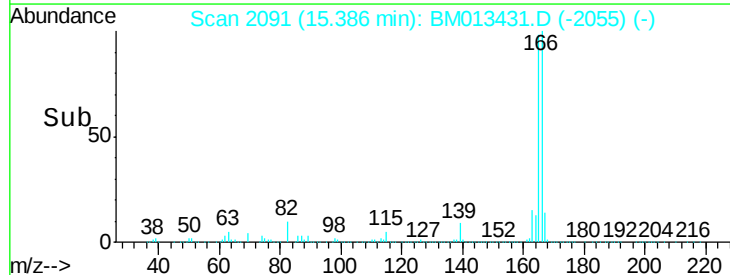
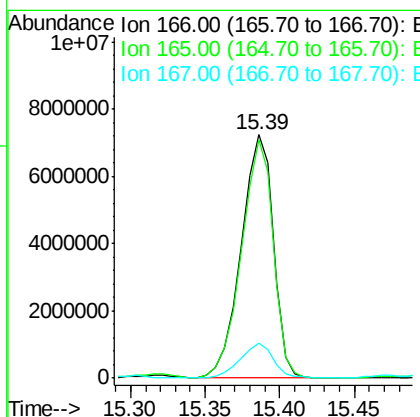
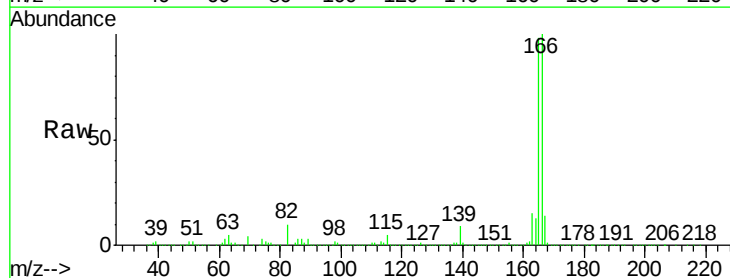
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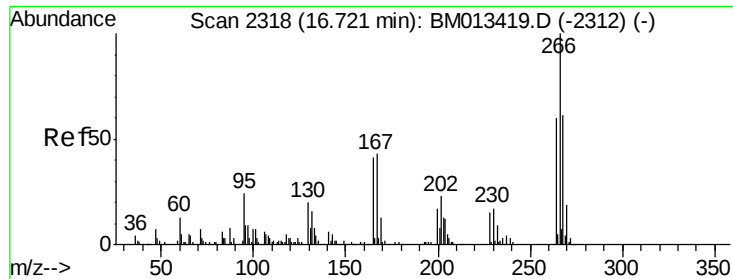
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#58
Fluorene
Concen: 177.543 ng/ul
RT: 15.39 min Scan# 2091
Delta R.T. 0.01 min
Lab File: BM013431.D
Acq: 15 Dec 2017 08:58

Tgt Ion:166 Resp:10758656
Ion Ratio Lower Upper
166 100
165 98.1 77.9 116.9
167 14.2 10.6 16.0





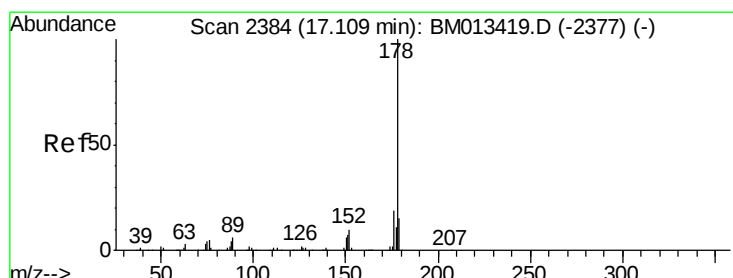
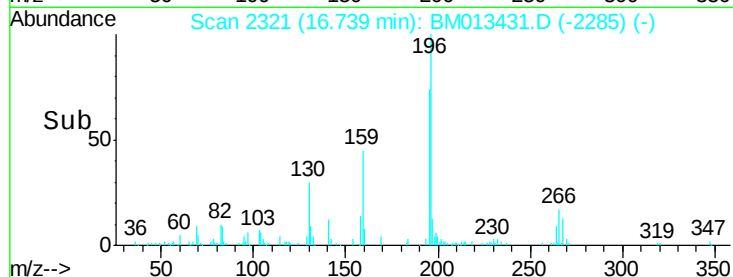
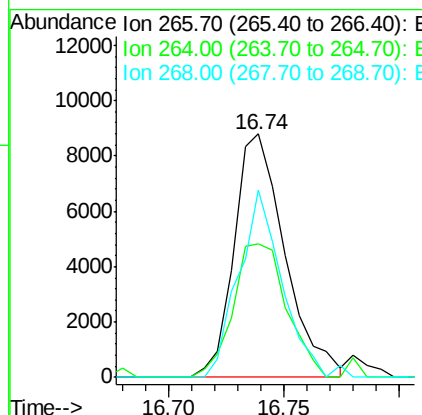
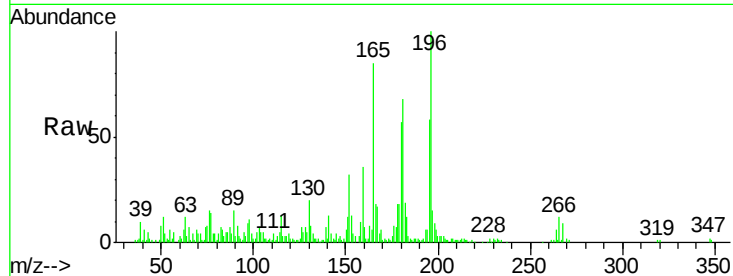
#68
 Pentachlorophenol
 Concen: 1.218 ng/ul
 RT: 16.74 min Scan# 2321
 Delta R.T. 0.01 min
 Lab File: BM013431.D
 Acq: 15 Dec 2017 08:58

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Tgt Ion	Ratio	Lower	Upper
266	100		
264	54.7	49.3	73.9
268	77.1	52.6	78.8

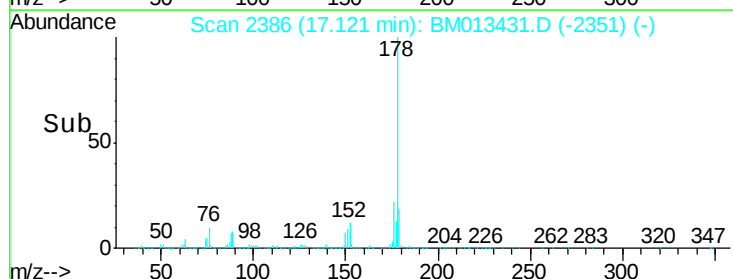
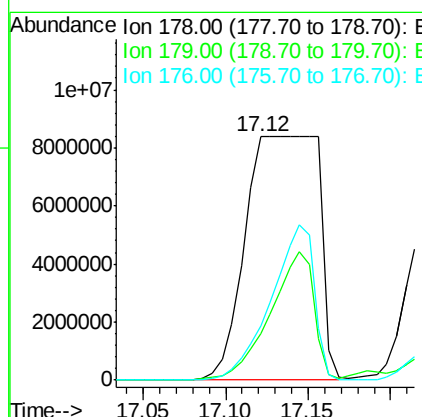
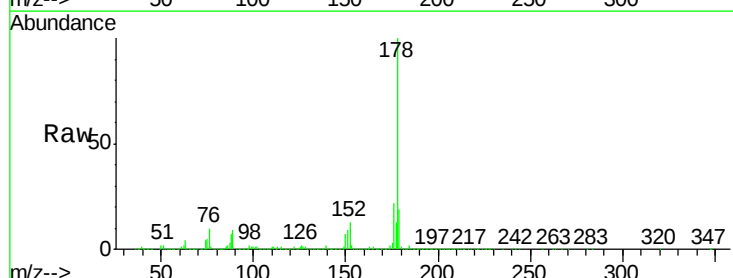
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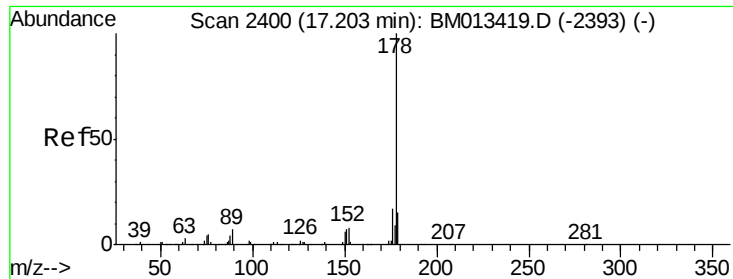
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#69
 Phenanthrene
 Concen: 308.817 ng/ul m
 RT: 17.12 min Scan# 2386
 Delta R.T. 0.01 min
 Lab File: BM013431.D
 Acq: 15 Dec 2017 08:58

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.3	12.6	19.0#
176	22.5	14.9	22.3#





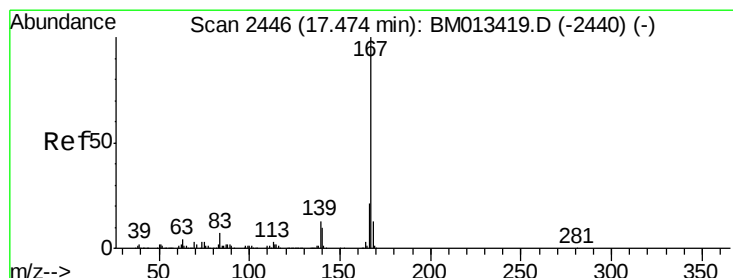
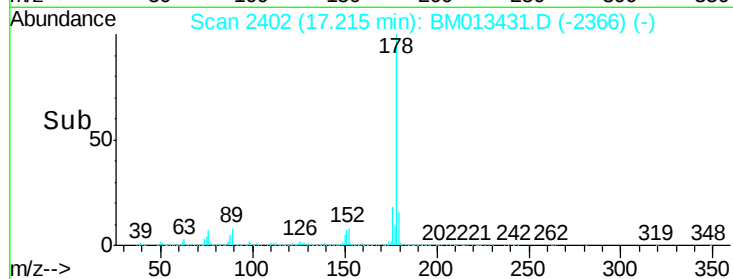
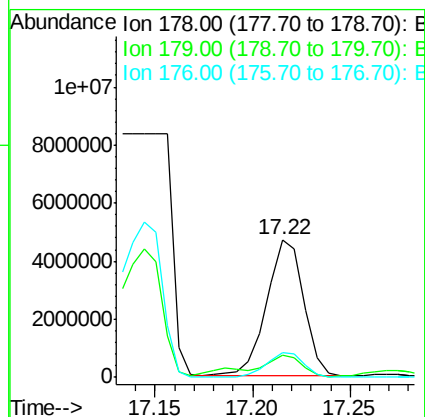
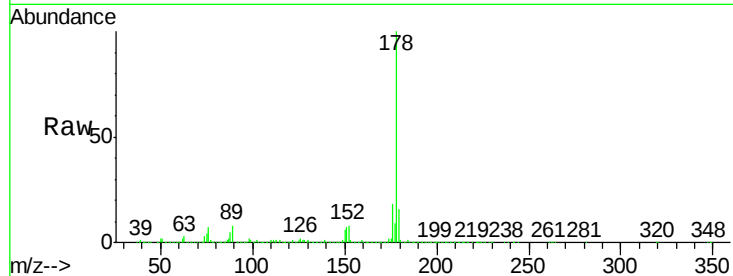
#71
 Anthracene
 Concen: 72.650 ng/ul
 RT: 17.22 min Scan# 2402
 Delta R.T. 0.01 min
 Lab File: BM013431.D
 Acq: 15 Dec 2017 08:58

Instrument :
 BNA_M
 ClientSampleId :
 F9A80

Tgt Ion:178 Resp: 6226856
 Ion Ratio Lower Upper
 178 100
 179 15.8 11.7 17.5
 176 17.8 14.6 21.8

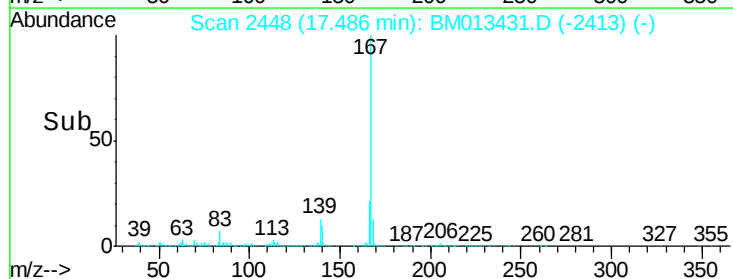
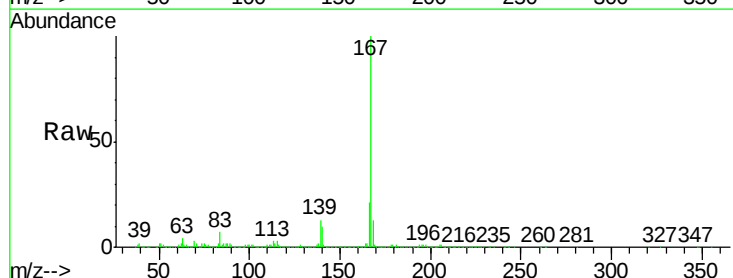
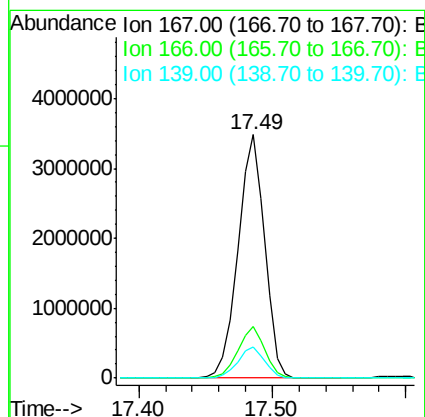
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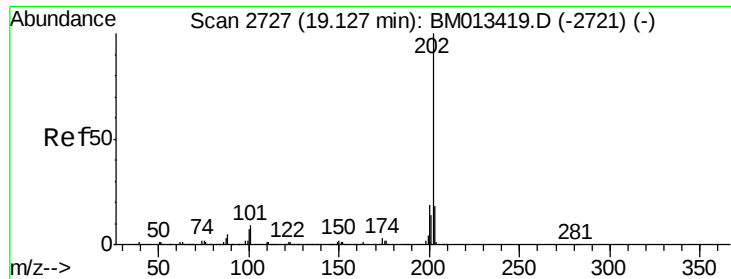
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#72
 Carbazole
 Concen: 64.908 ng/ul
 RT: 17.49 min Scan# 2448
 Delta R.T. 0.01 min
 Lab File: BM013431.D
 Acq: 15 Dec 2017 08:58

Tgt Ion:167 Resp: 4785252
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.1 25.7
 139 12.7 10.0 15.0





#74

Fluoranthene

Concen: 166.457 ng/ul m

RT: 19.14 min Scan# 2729

Delta R.T. 0.01 min

Lab File: BM013431.D

Acq: 15 Dec 2017 08:58

Instrument :

BNA_M

ClientSampleId :

F9A80

Tgt Ion:202 Resp:17104833

Ion Ratio Lower Upper

202 100

101 10.4 4.6 7.0#

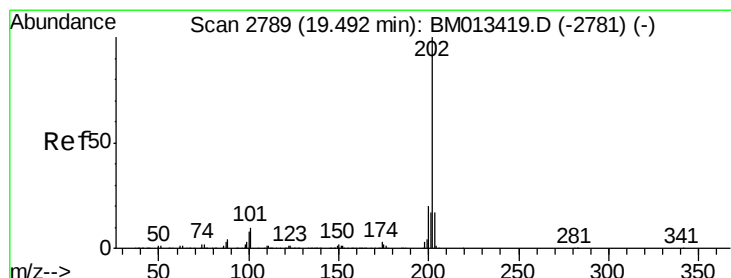
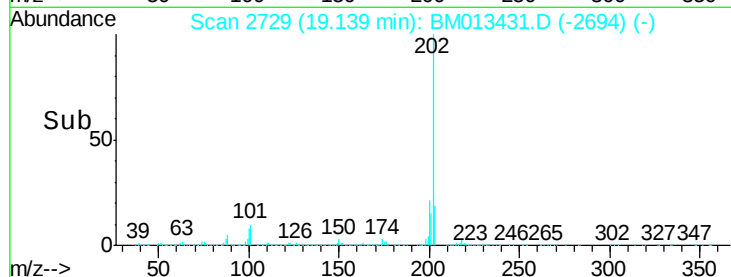
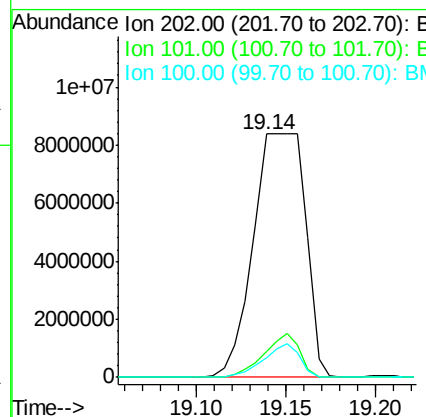
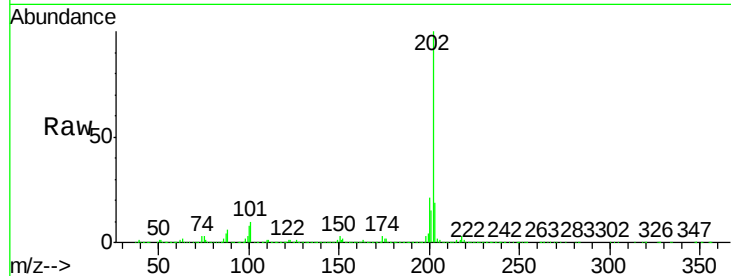
100 8.2 3.4 5.2#

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#77

Pyrene

Concen: 174.556 ng/ul

RT: 19.51 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BM013431.D

Acq: 15 Dec 2017 08:58

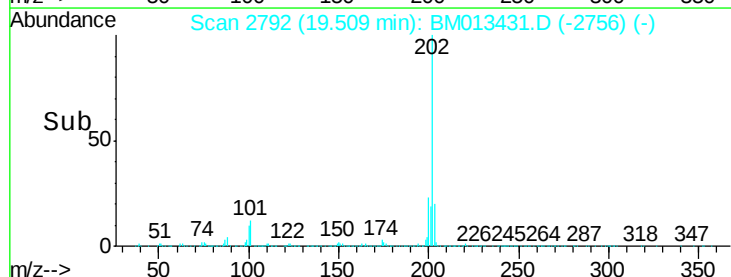
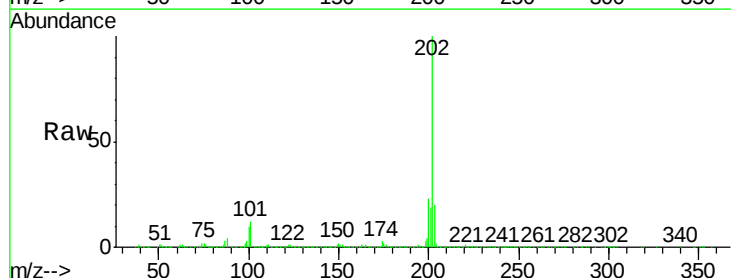
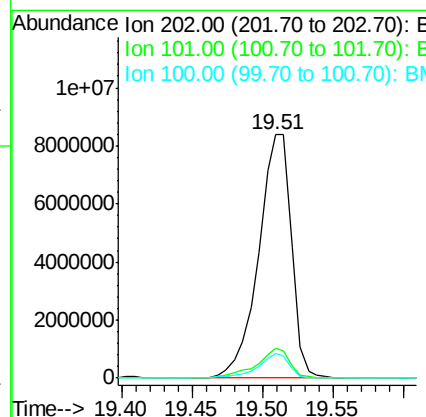
Tgt Ion:202 Resp:13725654

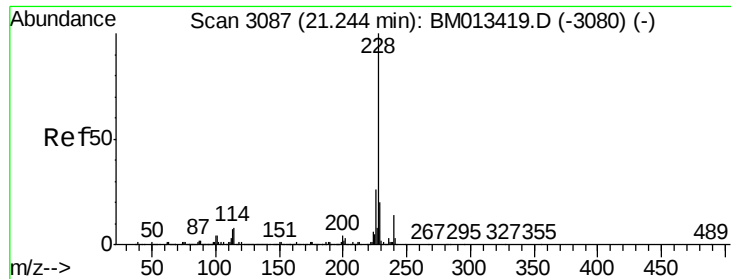
Ion Ratio Lower Upper

202 100

101 12.3 5.1 7.7#

100 10.3 4.9 7.3#





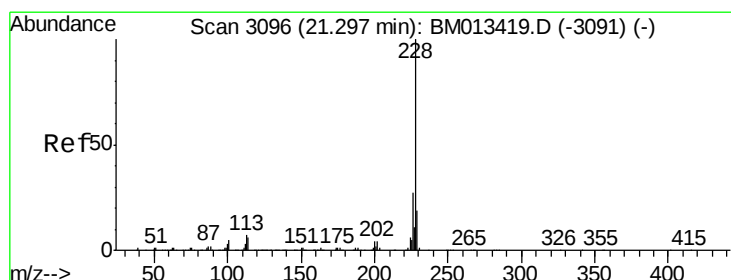
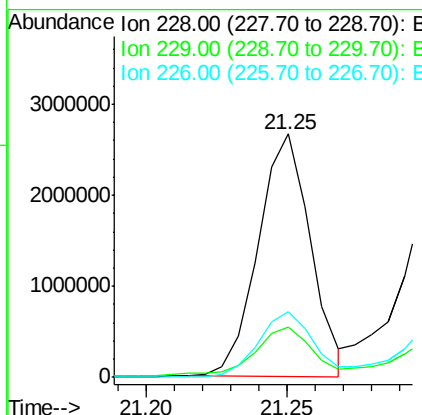
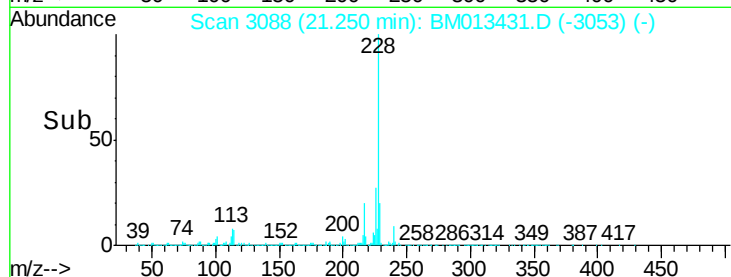
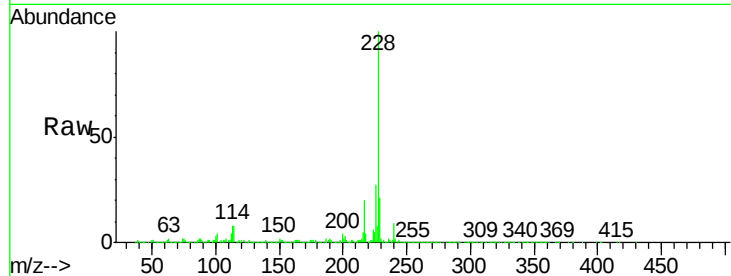
#80
Benzo(a)anthracene
Concen: 41.654 ng/u1
RT: 21.25 min Scan# 3088
Delta R.T. 0.01 min
Lab File: BM013431.D
Acq: 15 Dec 2017 08:58

Instrument :
BNA_M
ClientSampleId :
F9A80

Tgt Ion:228 Resp: 3420649
Ion Ratio Lower Upper
228 100
229 20.8 15.4 23.0
226 27.1 21.4 32.0

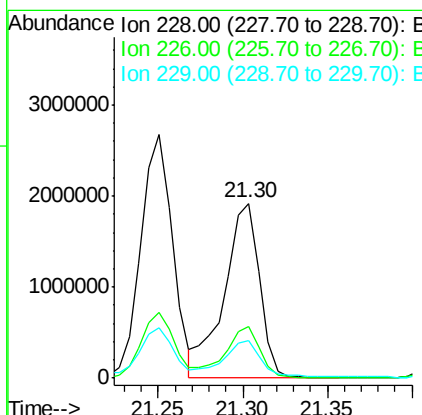
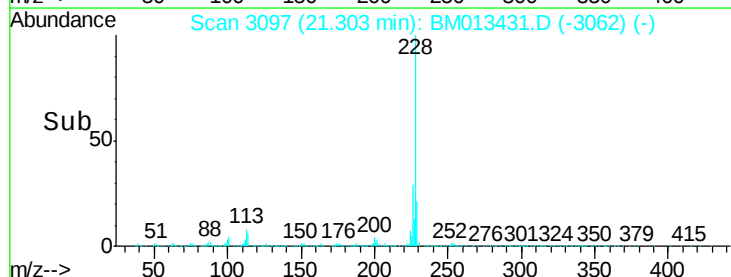
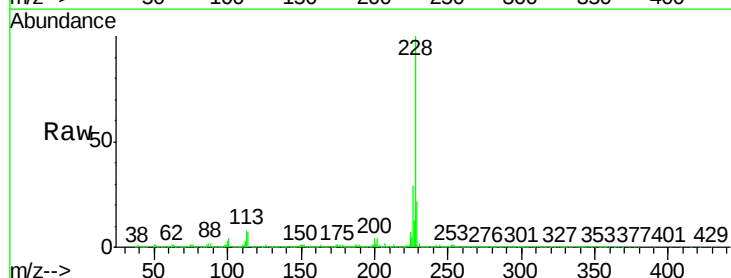
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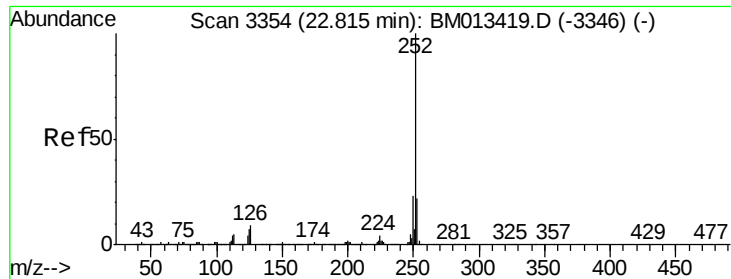
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#82
Chrysene
Concen: 36.599 ng/u1
RT: 21.30 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BM013431.D
Acq: 15 Dec 2017 08:58

Tgt Ion:228 Resp: 2788334
Ion Ratio Lower Upper
228 100
226 29.4 23.4 35.2
229 21.8 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 25.809 ng/ul

RT: 22.82 min Scan# 3355

Delta R.T. -0.00 min

Lab File: BM013431.D

Acq: 15 Dec 2017 08:58

Instrument :

BNA_M

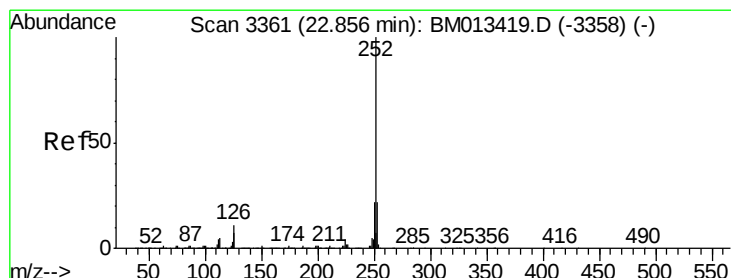
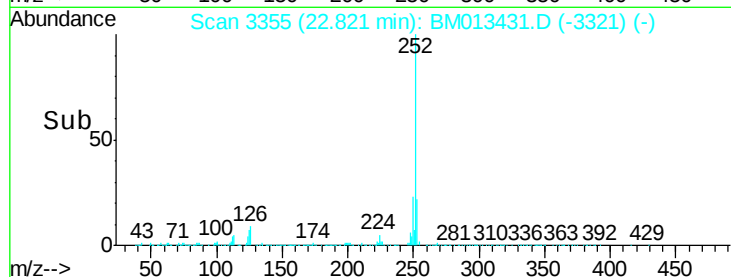
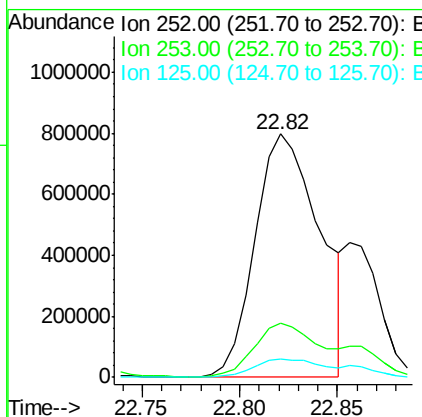
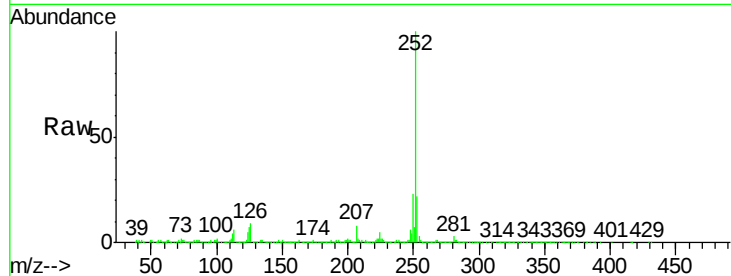
ClientSampleId :

F9A80

Tgt Ion:	252	Resp:	1822720
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.9	26.9
125	7.4	3.6	5.4#

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#86

Benzo(k)fluoranthene

Concen: 7.982 ng/ul m

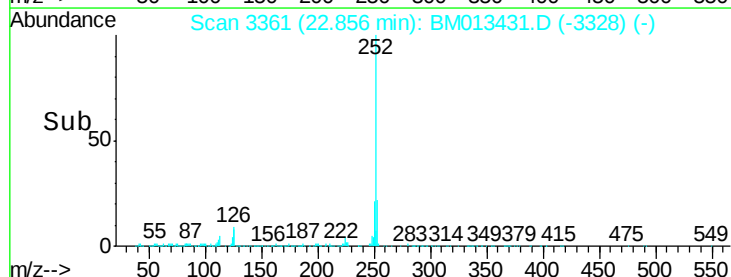
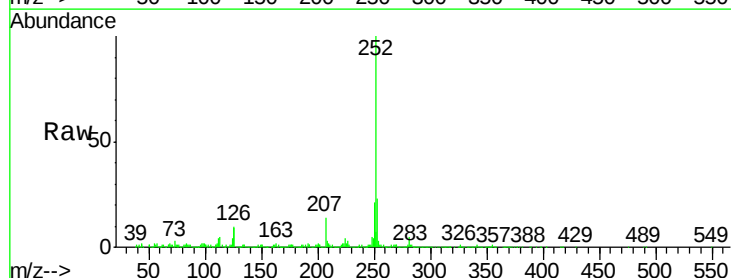
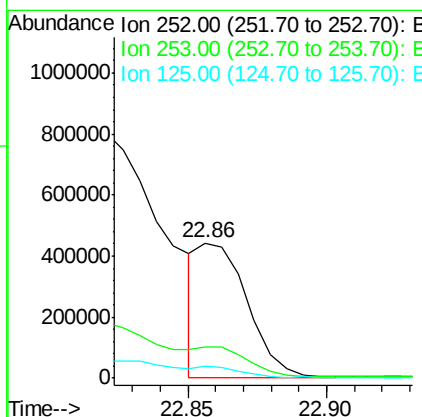
RT: 22.86 min Scan# 3361

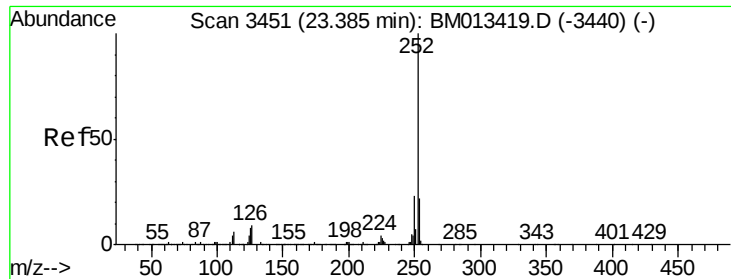
Delta R.T. -0.01 min

Lab File: BM013431.D

Acq: 15 Dec 2017 08:58

Tgt Ion:	252	Resp:	530489
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.1	25.7
125	8.7	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 17.890 ng/ul

RT: 23.39 min Scan# 3451

Delta R.T. -0.00 min

Lab File: BM013431.D

Acq: 15 Dec 2017 08:58

Instrument :

BNA_M

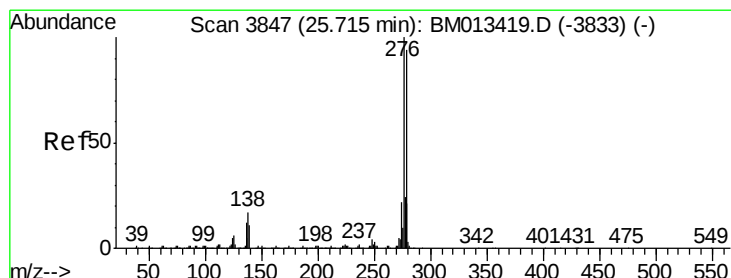
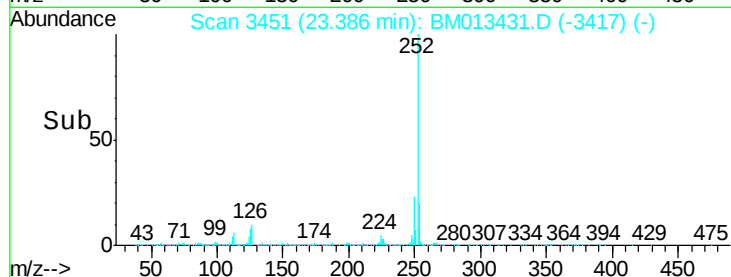
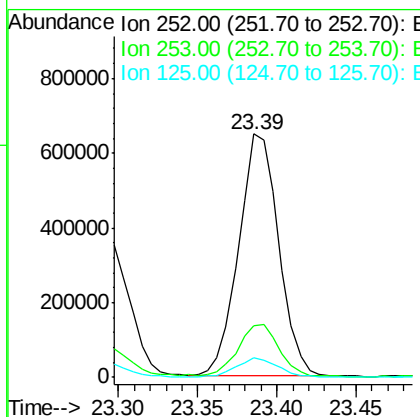
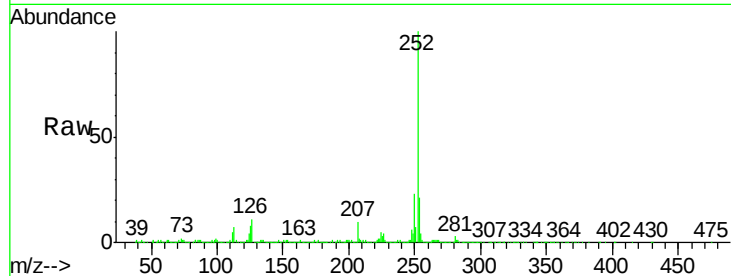
ClientSampleId :

F9A80

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.2	27.2
125	8.1	4.0	6.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 7.265 ng/ul

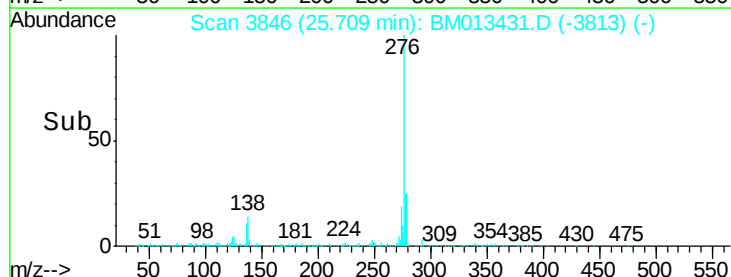
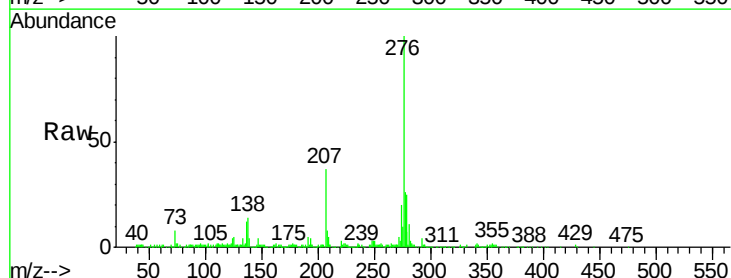
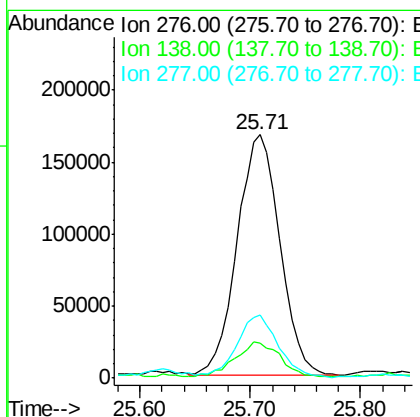
RT: 25.71 min Scan# 3846

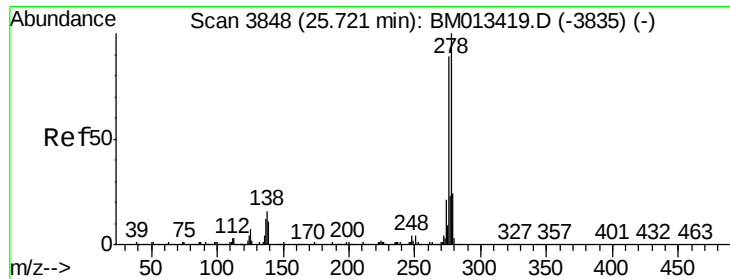
Delta R.T. -0.01 min

Lab File: BM013431.D

Acq: 15 Dec 2017 08:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.1	9.3	13.9#
277	25.7	19.9	29.9





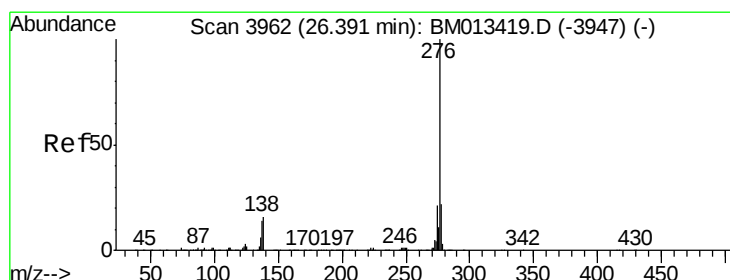
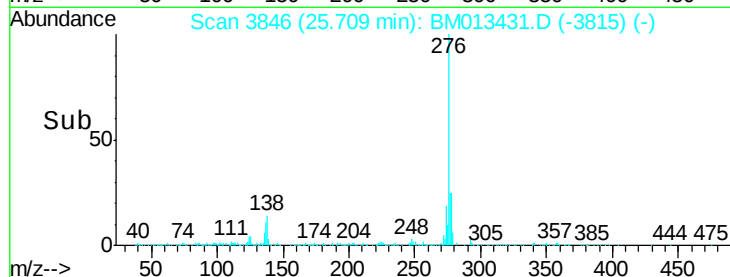
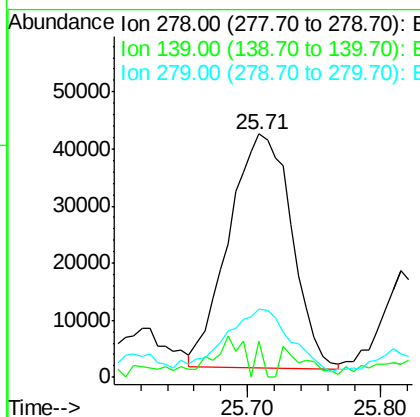
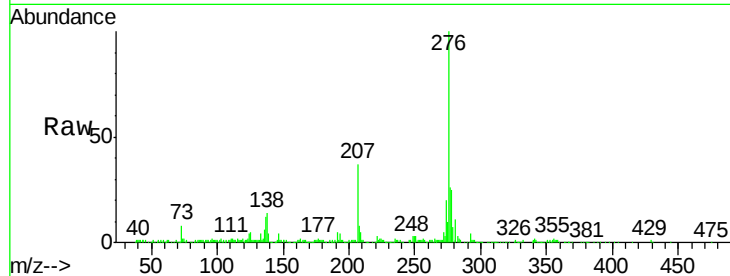
#90
Dibenzo(a,h)anthracene
Concen: 2.492 ng/ul
RT: 25.71 min Scan# 3846
Delta R.T. -0.02 min
Lab File: BM013431.D
Acq: 15 Dec 2017 08:58

Instrument :
BNA_M
ClientSampleId :
F9A80

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.1	5.8	8.8#
279	28.2	18.6	27.8#

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#91
Benzo(g,h,i)perylene
Concen: 6.857 ng/ul
RT: 26.39 min Scan# 3962
Delta R.T. -0.01 min
Lab File: BM013431.D
Acq: 15 Dec 2017 08:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.5	8.5	12.7#
277	25.7	18.6	28.0

