

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
 Data File : BM013496.D
 Acq On : 18 Dec 2017 13:37
 Operator : SJ/JU
 Sample : I6778-13ME
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A78ME

Manual Integrations
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Quant Time: Dec 19 12:44:31 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 18 14:36:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	238549	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	1044910m	20.00	ng/ul	0.04
35) Acenaphthene-d10	14.33	164	697169	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.13	188	1274002	20.00	ng/ul	0.06
75) Chrysene-d12	21.28	240	1000758m	20.00	ng/ul	0.02
83) Perylene-d12	23.50	264	828051	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	24560	5.10	ng/uL	0.00
5) Phenol-d5	6.85	99	674238	32.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	394272	33.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	552552	34.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	583521	33.09	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	312194	37.68	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	324578	36.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	600637	32.87	ng/ul	0.02
29) 4-Chloroaniline-d4	10.60	131	1082296m	64.43	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	1847242	29.78	ng/ul	0.02
46) Acenaphthylene-d8	14.02	160	2318495	30.28	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	311272	28.88	ng/ul	0.02
57) Fluorene-d10	15.33	176	1585657	29.72	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.49	200	4771	0.60	ng/ul	0.04
70) Anthracene-d10	17.23	188	2481714m	38.90	ng/ul	0.06
76) Pyrene-d10	19.49	212	2393906	48.01	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.36	264	1671313	39.62	ng/ul	0.02

Target Compounds

					Qvalue	
6) Phenol	6.88	94	24232	1.188	ng/ul#	92
24) 2,4-Dimethylphenol	9.65	107	62962	3.140	ng/ul	96
28) Naphthalene	10.51	128	55640835m	1034.997	ng/ul	
34) 2-Methylnaphthalene	12.14	142	28110482m	695.592	ng/ul	
40) 1,1'-Biphenyl	13.16	154	11452969	194.378	ng/ul	99
44) Dimethylphthalate	13.80	163	275888	4.649	ng/ul	98
47) Acenaphthylene	14.05	152	5500811	77.642	ng/ul#	95
49) Acenaphthene	14.40	153	27836036m	576.761	ng/ul	
53) Dibenzofuran	14.73	168	25748885m	361.394	ng/ul	
58) Fluorene	15.39	166	30181934m	512.062	ng/ul	
68) Pentachlorophenol	16.79	266	63625	6.661	ng/ul	92
69) Phenanthrene	17.13	178	53796067m	743.261	ng/ul	
71) Anthracene	17.25	178	18646745m	252.042	ng/ul	
72) Carbazole	17.51	167	13387200	210.373	ng/ul	98
74) Fluoranthene	19.15	202	35996860m	405.837	ng/ul	
77) Pyrene	19.52	202	30672150m	504.486	ng/ul	
80) Benzo(a)anthracene	21.26	228	14961681m	235.633	ng/ul	
82) Chrysene	21.32	228	12581378	213.577	ng/ul#	89
85) Benzo(b)fluoranthene	22.84	252	9528668	170.703	ng/ul#	98
86) Benzo(k)fluoranthene	22.88	252	3118362m	59.363	ng/ul	
88) Benzo(a)pyrene	23.42	252	6669939	133.018	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.74	276	3061522	61.534	ng/ul#	97
90) Dibenzo(a,h)anthracene	25.74	278	848271	20.023	ng/ul#	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	26.43	276	2407601	61.348	ng/ul#	95

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

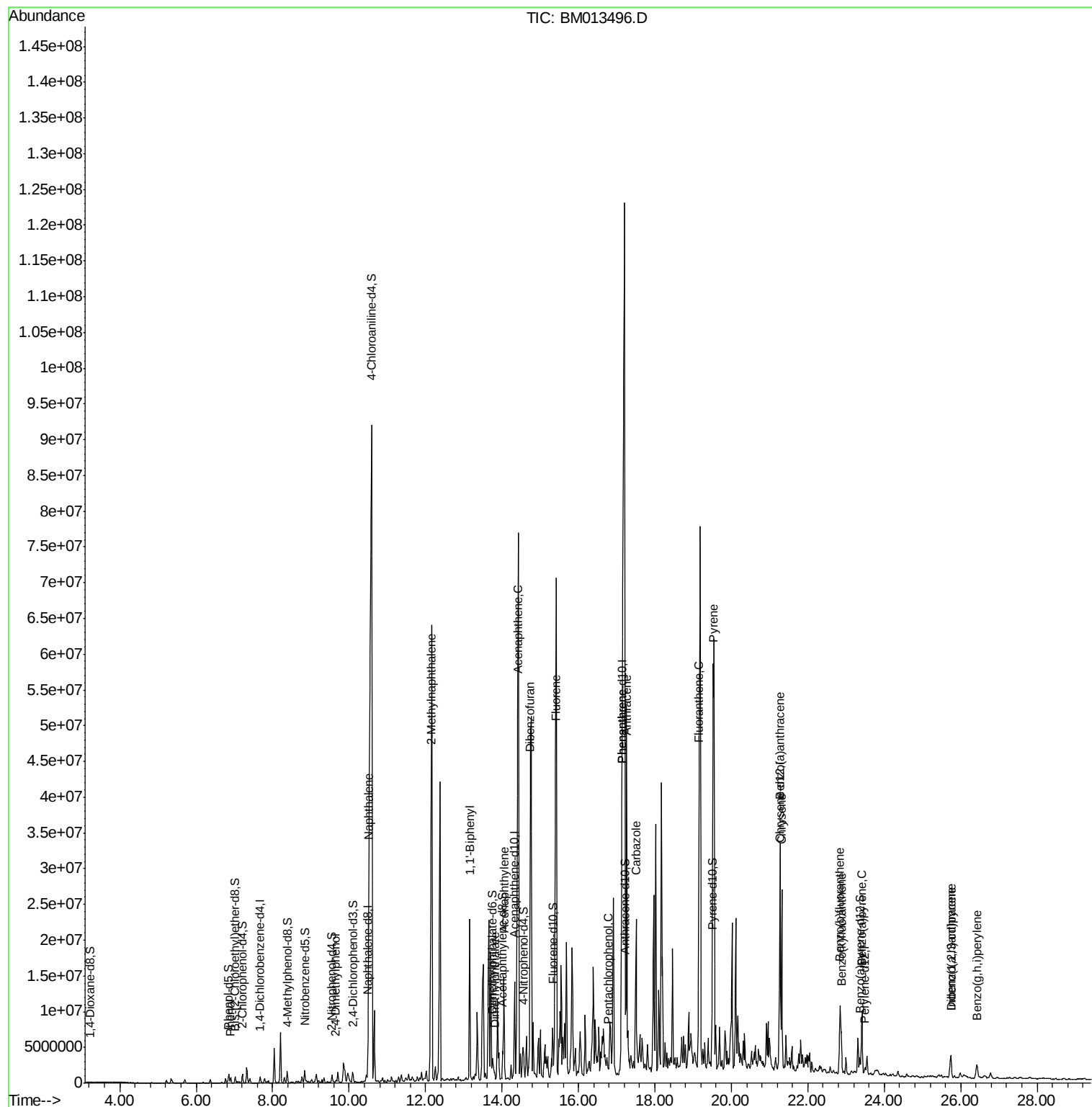
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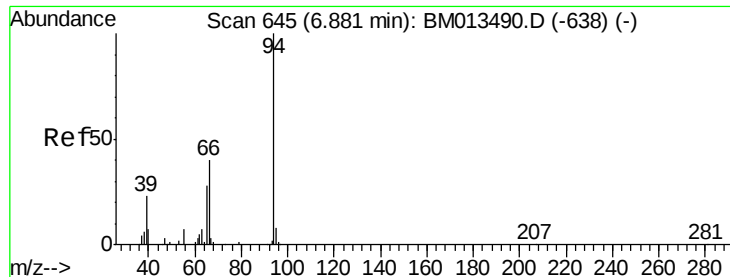
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#6

Phenol

Concen: 1.188 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM013496.D

Acq: 18 Dec 2017 13:37

Instrument :

BNA_M

ClientSampleId :

F9A78ME

Tgt Ion: 94 Resp: 24232

Ion Ratio Lower Upper

94 100

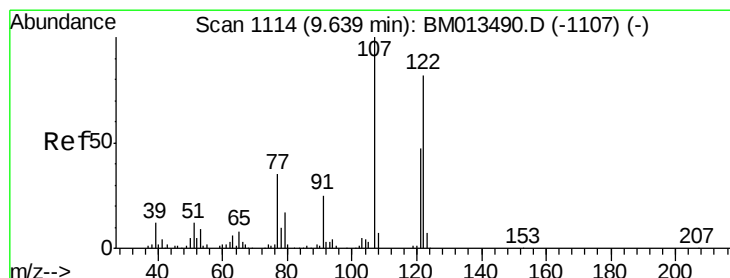
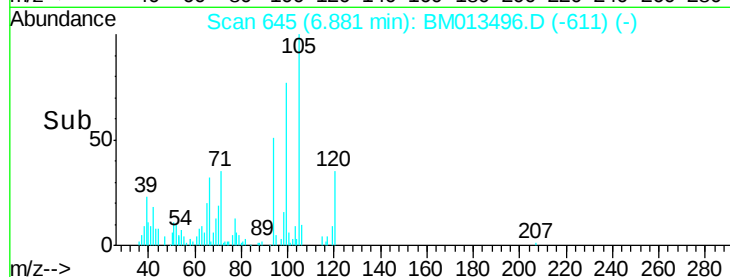
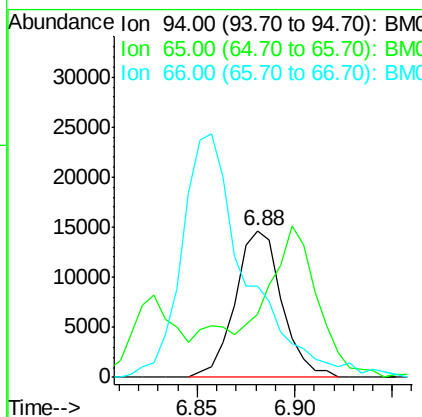
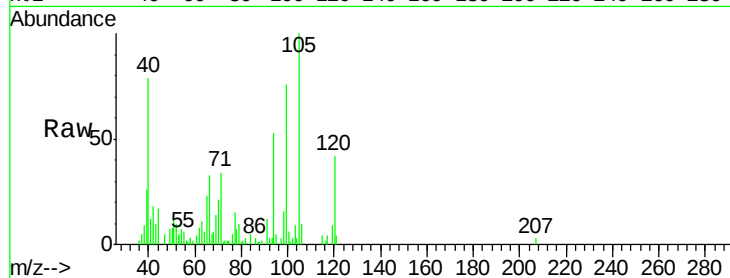
65 43.1 28.2 42.4#

66 62.4 47.2 70.8

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#24

2,4-Dimethylphenol

Concen: 3.140 ng/ul

RT: 9.65 min Scan# 1116

Delta R.T. 0.01 min

Lab File: BM013496.D

Acq: 18 Dec 2017 13:37

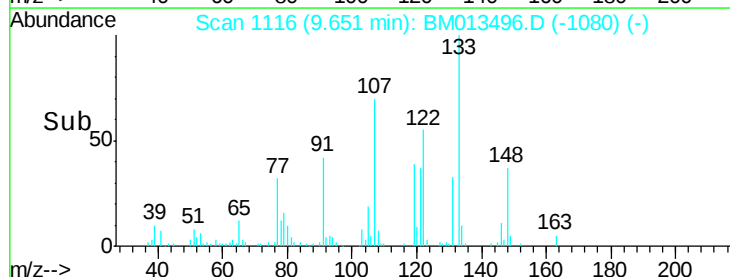
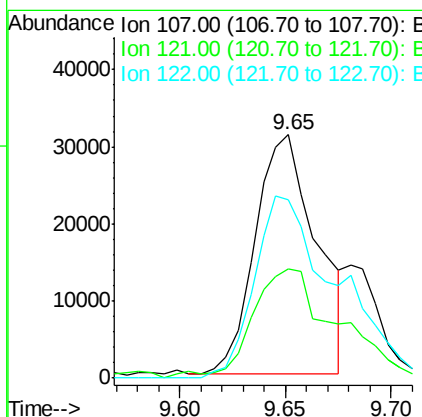
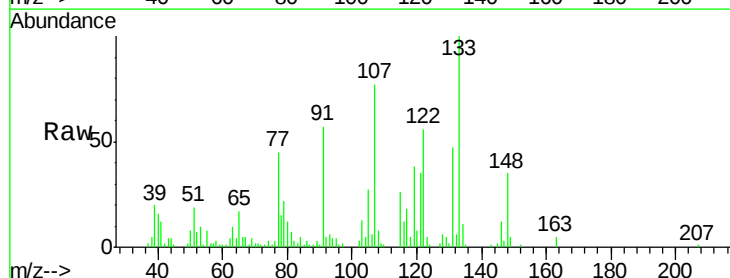
Tgt Ion: 107 Resp: 62962

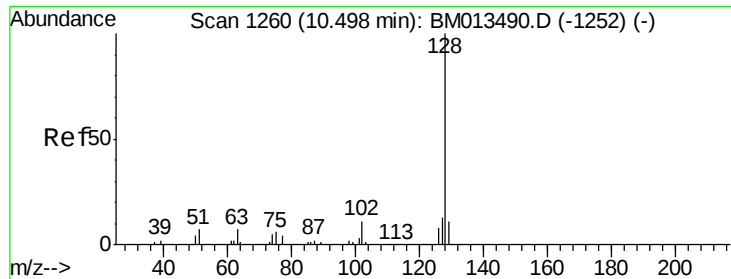
Ion Ratio Lower Upper

107 100

121 45.1 31.9 47.9

122 73.1 57.8 86.6





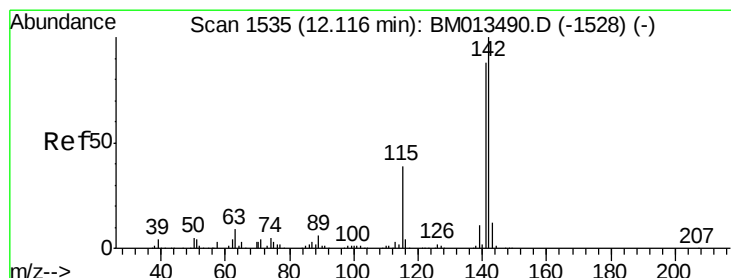
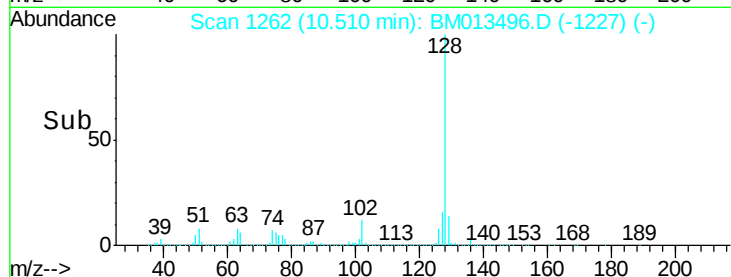
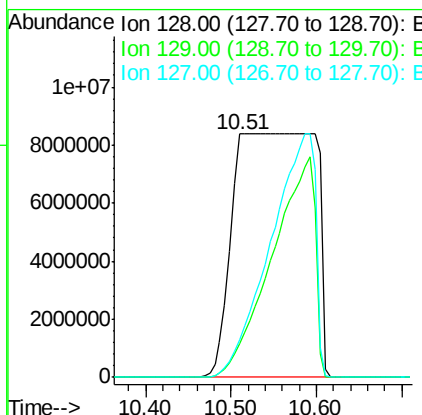
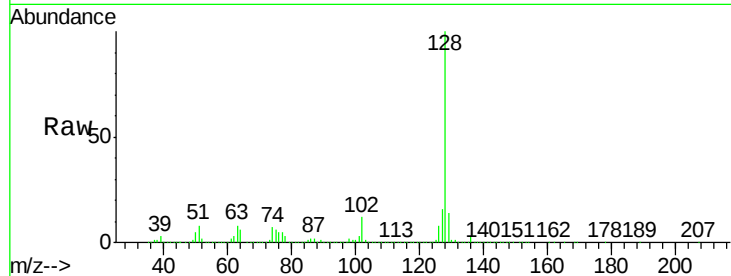
#28
Naphthalene
Concen: 1034.997 ng/ul m
RT: 10.51 min Scan# 1262
Delta R.T. 0.01 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
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ClientSampleId :
F9A78ME

Tgt Ion:128 Resp:55640835
Ion Ratio Lower Upper
128 100
129 13.7 8.8 13.2#
127 15.5 10.6 16.0

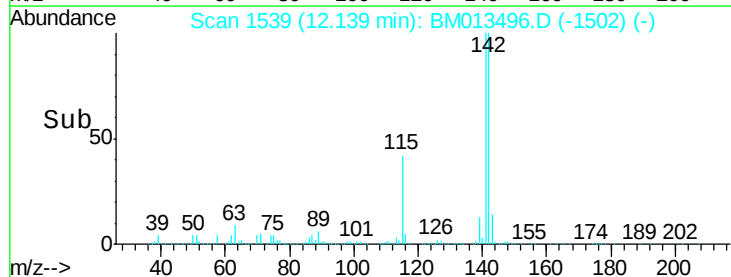
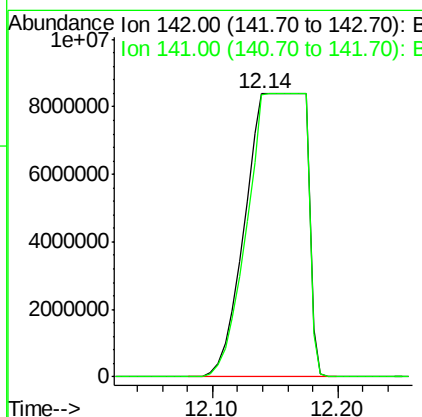
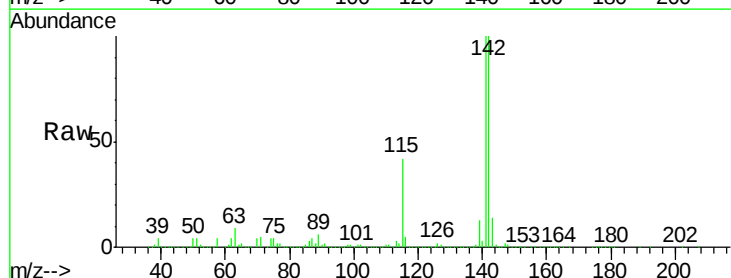
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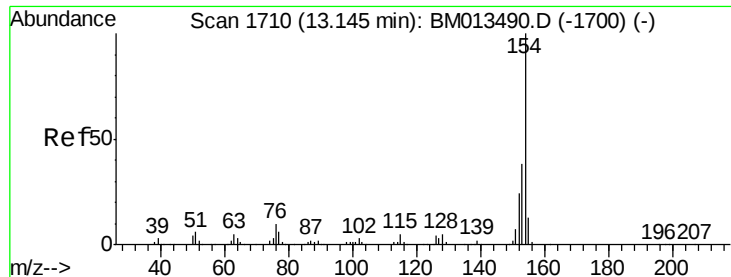
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#34
2-Methylnaphthalene
Concen: 695.592 ng/ul m
RT: 12.14 min Scan# 1539
Delta R.T. 0.02 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:142 Resp:28110482
Ion Ratio Lower Upper
142 100
141 99.6 74.1 111.1





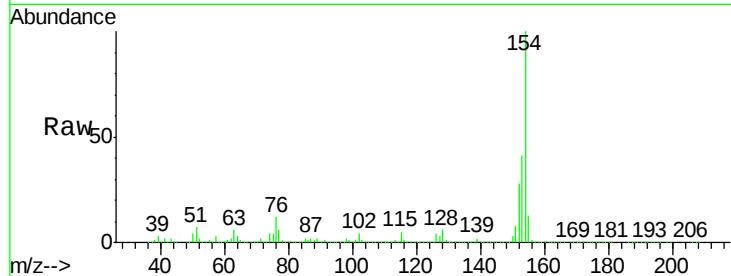
#40
1,1'-Biphenyl
Concen: 194.378 ng/ul
RT: 13.16 min Scan# 1712
Delta R.T. 0.01 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

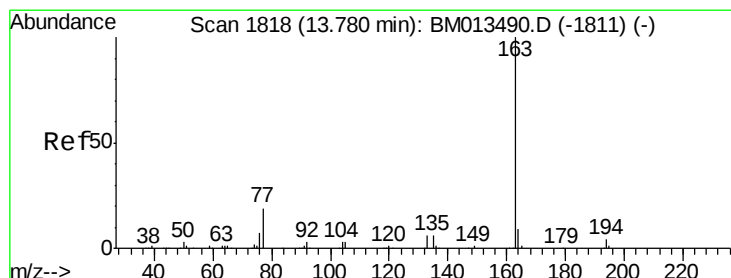
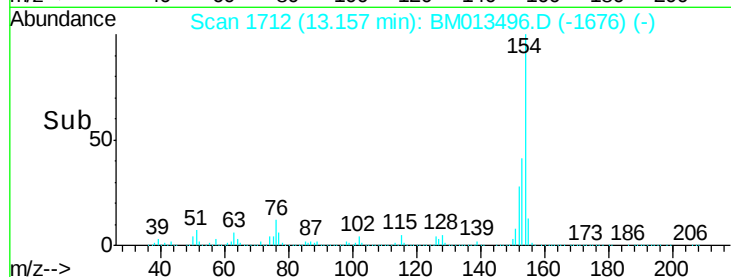
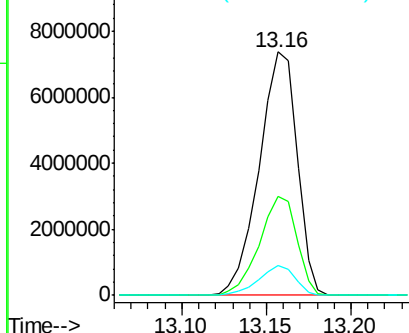
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	32.6	48.8
76	12.0	8.5	12.7

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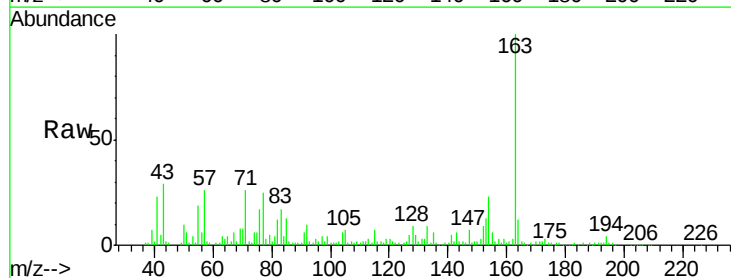


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM

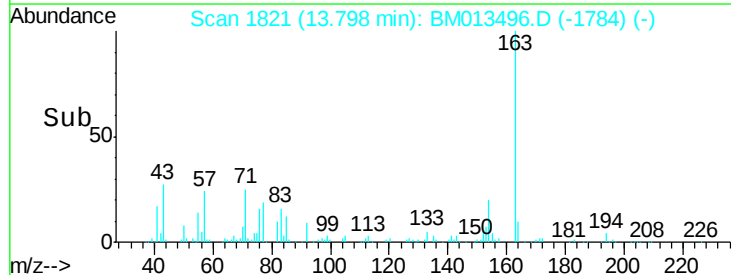
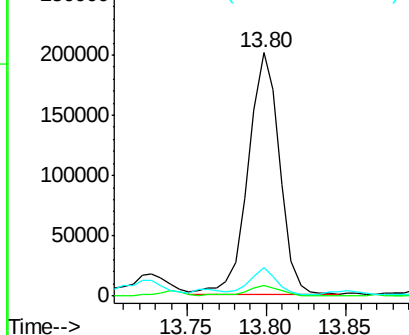


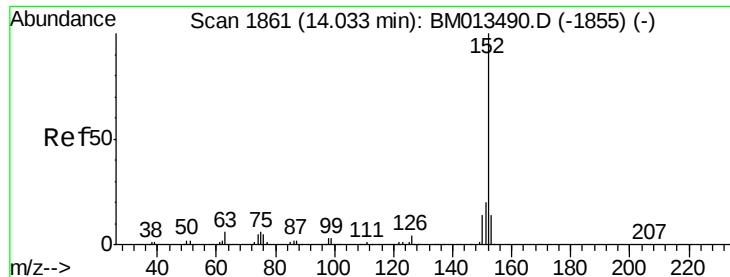
#44
Dimethylphthalate
Concen: 4.649 ng/ul
RT: 13.80 min Scan# 1821
Delta R.T. 0.02 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	11.5	8.2	12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 77.642 ng/ul

RT: 14.05 min Scan# 1864

Delta R.T. 0.01 min

Lab File: BM013496.D

Acq: 18 Dec 2017 13:37

Instrument :

BNA_M

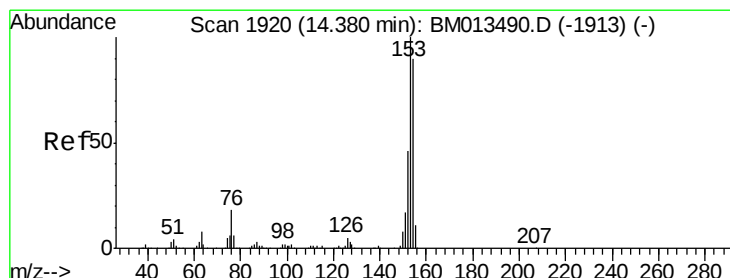
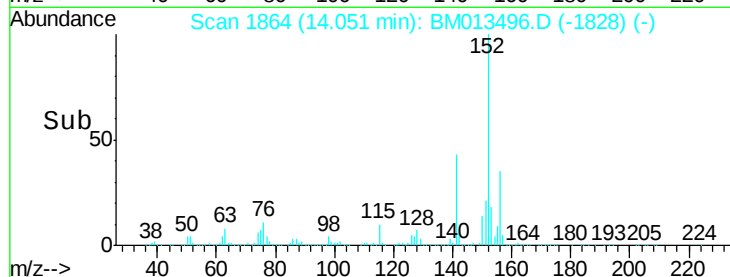
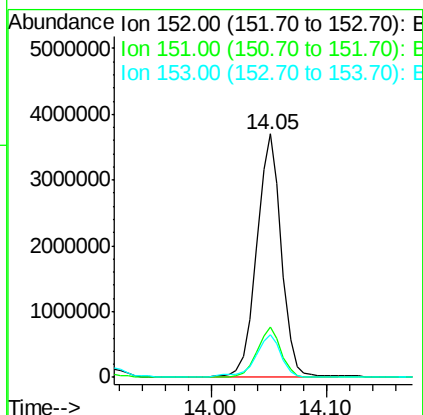
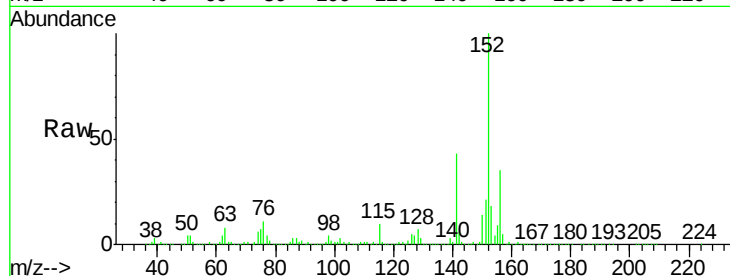
ClientSampled :

F9A78ME

Tgt Ion:	152	Resp:	5500811
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.3	24.5
153	17.7	10.2	15.4#

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#49

Acenaphthene

Concen: 576.761 ng/ul m

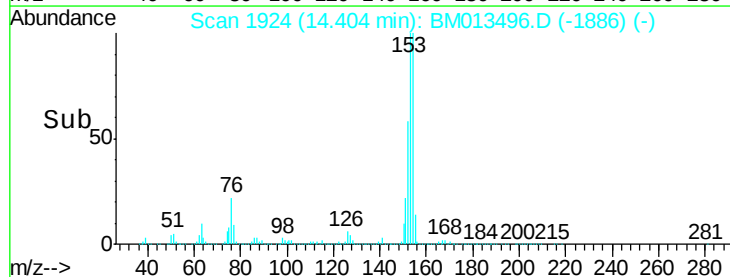
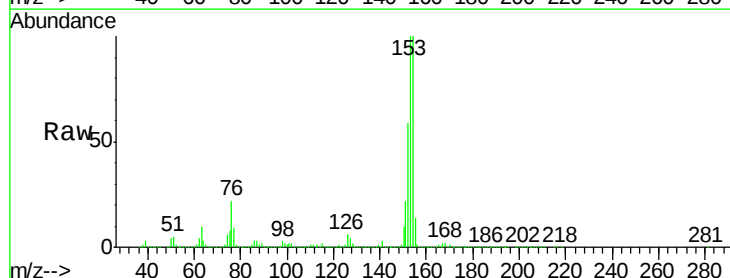
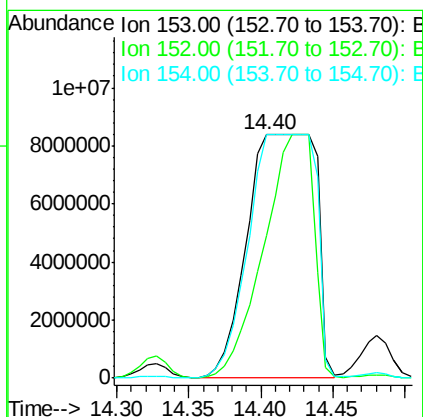
RT: 14.40 min Scan# 1924

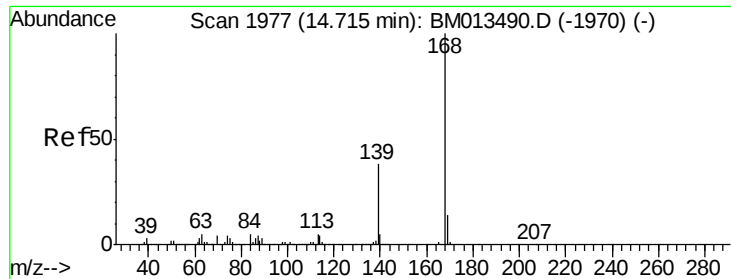
Delta R.T. 0.02 min

Lab File: BM013496.D

Acq: 18 Dec 2017 13:37

Tgt Ion:	153	Resp:	27836036
Ion Ratio	Lower	Upper	
153	100		
152	58.5	37.6	56.4#
154	100.0	70.4	105.6





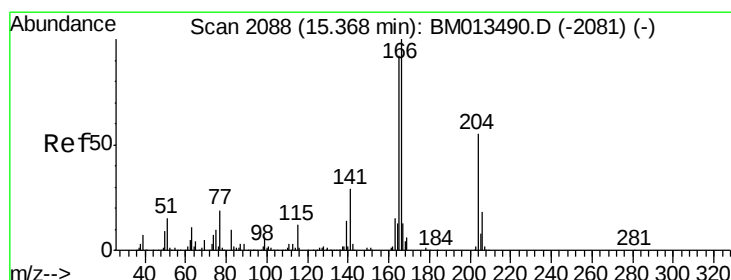
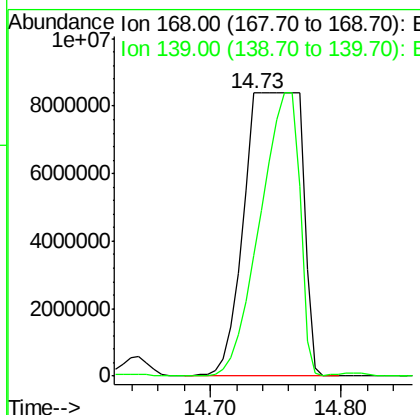
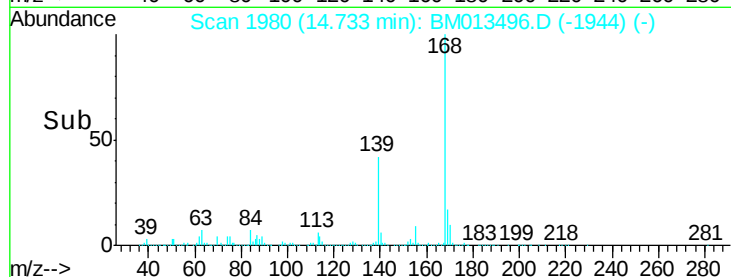
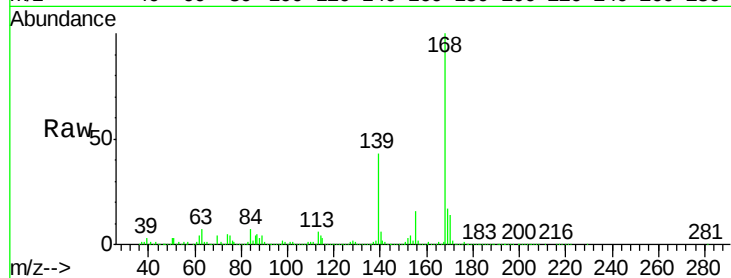
#53
Dibenzofuran
Concen: 361.394 ng/ul m
RT: 14.73 min Scan# 1980
Delta R.T. 0.01 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
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Tgt Ion:168 Resp:25748885
Ion Ratio Lower Upper
168 100
139 42.6 30.8 46.2

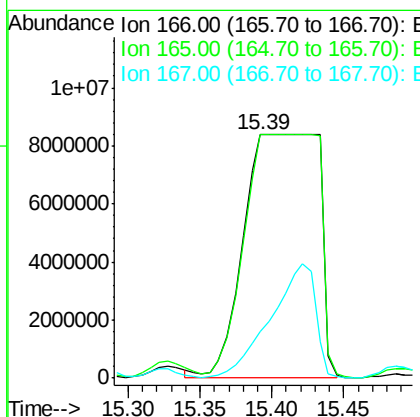
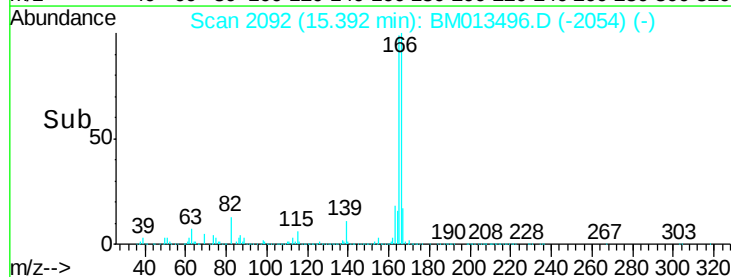
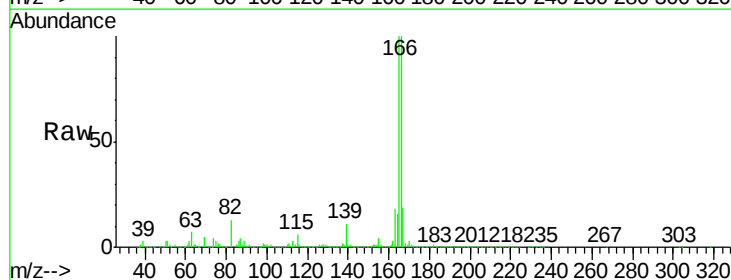
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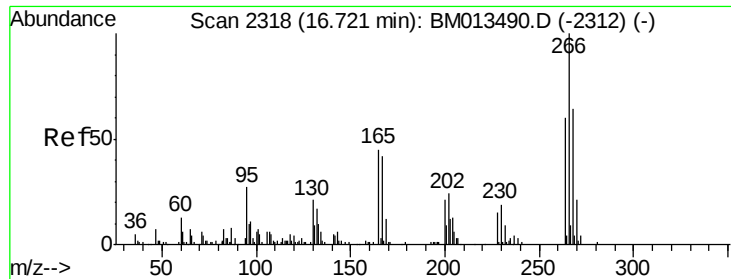
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#58
Fluorene
Concen: 512.062 ng/ul m
RT: 15.39 min Scan# 2092
Delta R.T. 0.02 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:166 Resp:30181934
Ion Ratio Lower Upper
166 100
165 100.0 77.9 116.9
167 19.1 10.6 16.0#





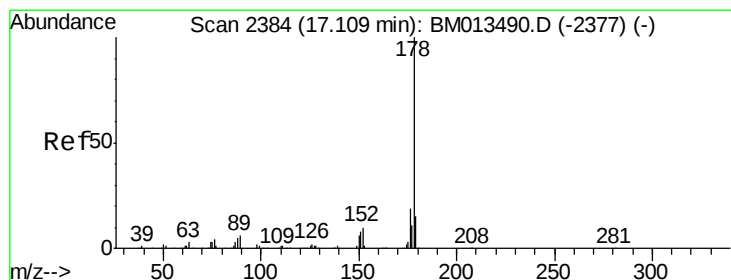
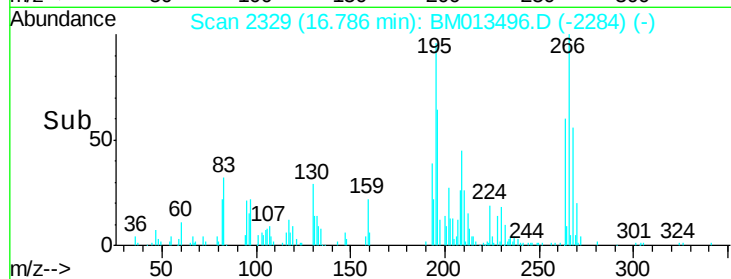
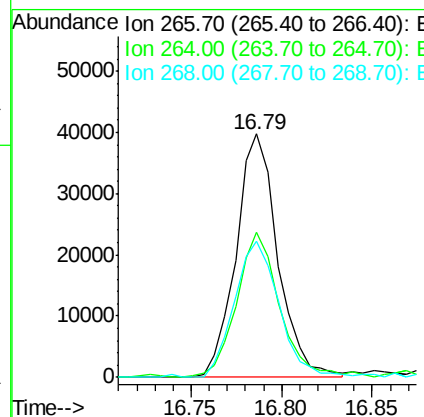
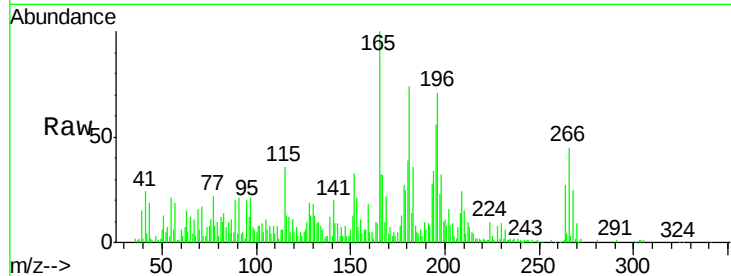
#68
 Pentachlorophenol
 Concen: 6.661 ng/ul
 RT: 16.79 min Scan# 2329
 Delta R.T. 0.06 min
 Lab File: BM013496.D
 Acq: 18 Dec 2017 13:37

Instrument :
 BNA_M
 ClientSampled :
 F9A78ME

Tgt Ion	Ratio	Lower	Upper
266	100		
264	59.8	49.3	73.9
268	55.8	52.6	78.8

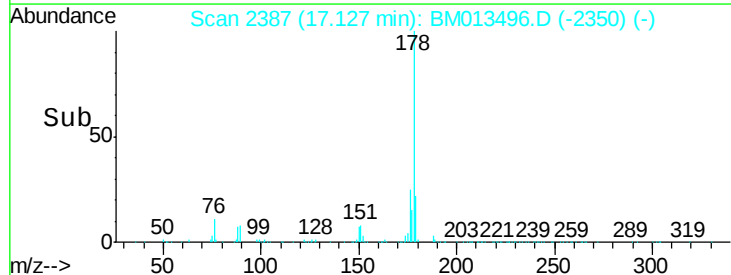
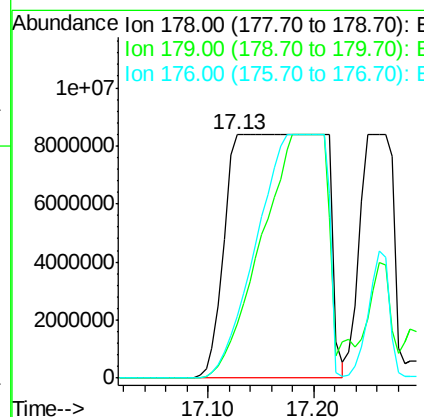
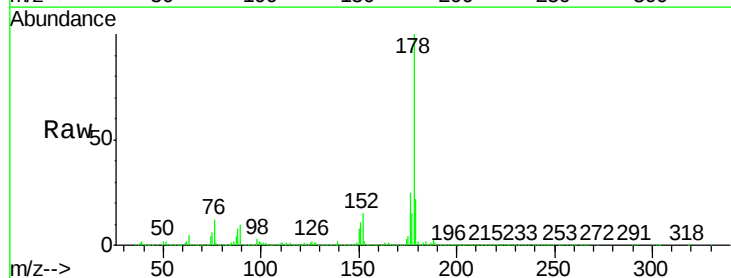
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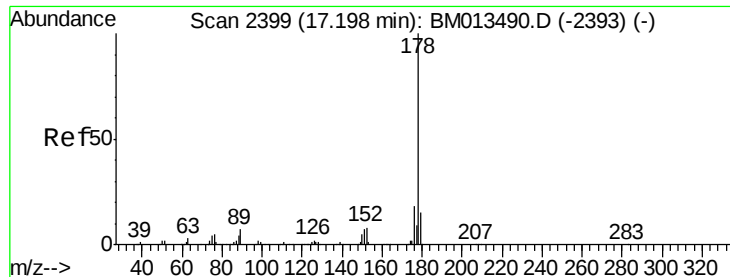
Sohil
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#69
 Phenanthrene
 Concen: 743.261 ng/ul m
 RT: 17.13 min Scan# 2387
 Delta R.T. 0.02 min
 Lab File: BM013496.D
 Acq: 18 Dec 2017 13:37

Tgt Ion	Ratio	Lower	Upper
178	100		
179	22.2	12.6	19.0#
176	25.5	14.9	22.3#





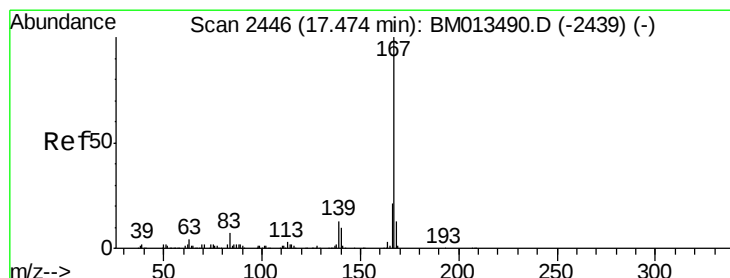
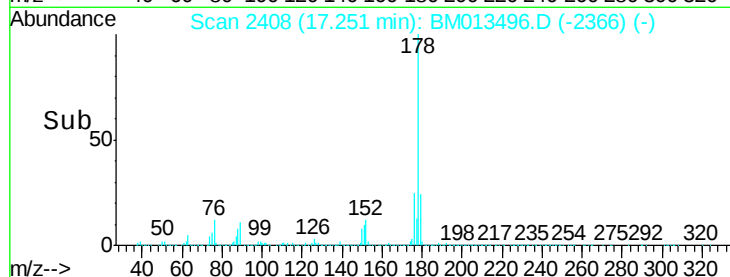
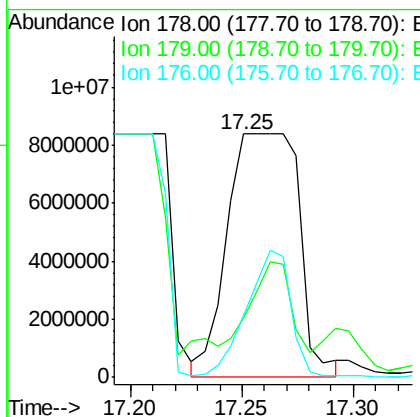
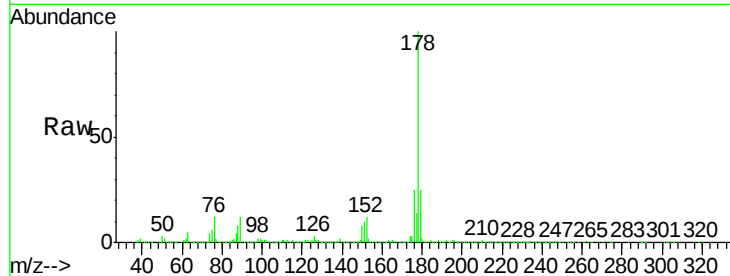
#71
 Anthracene
 Concen: 252.042 ng/u1 m
 RT: 17.25 min Scan# 2408
 Delta R.T. 0.05 min
 Lab File: BM013496.D
 Acq: 18 Dec 2017 13:37

Instrument :
 BNA_M
 ClientSampleId :
 F9A78ME

Tgt Ion:178 Resp:18646745
 Ion Ratio Lower Upper
 178 100
 179 24.6 11.7 17.5#
 176 25.2 14.6 21.8#

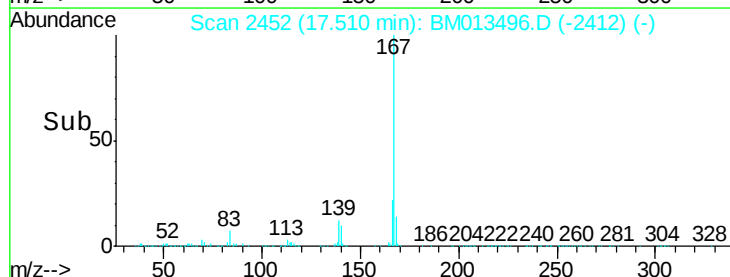
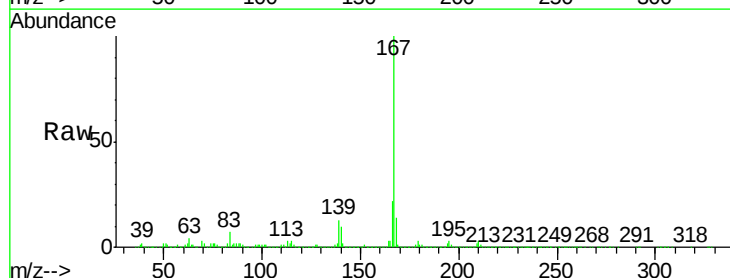
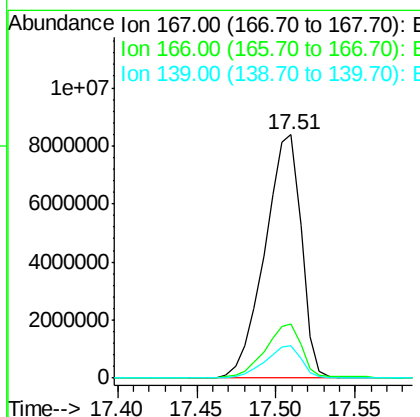
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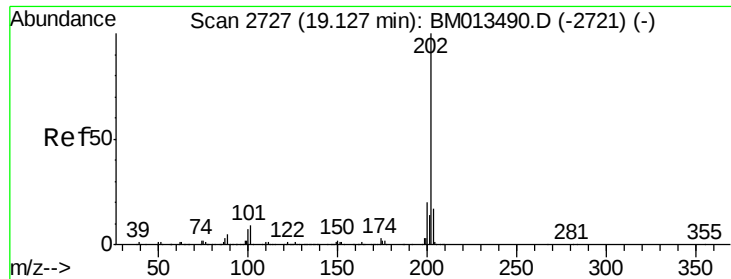
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#72
 Carbazole
 Concen: 210.373 ng/u1
 RT: 17.51 min Scan# 2452
 Delta R.T. 0.04 min
 Lab File: BM013496.D
 Acq: 18 Dec 2017 13:37

Tgt Ion:167 Resp:13387200
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.1 25.7
 139 13.3 10.0 15.0





#74

Fluoranthene

Concen: 405.837 ng/ul m

RT: 19.15 min Scan# 2731

Delta R.T. 0.02 min

Lab File: BM013496.D

Acq: 18 Dec 2017 13:37

Instrument :

BNA_M

ClientSampleId :

F9A78ME

Tgt Ion:202 Resp:35996860

Ion Ratio Lower Upper

202 100

101 14.9 4.6 7.0#

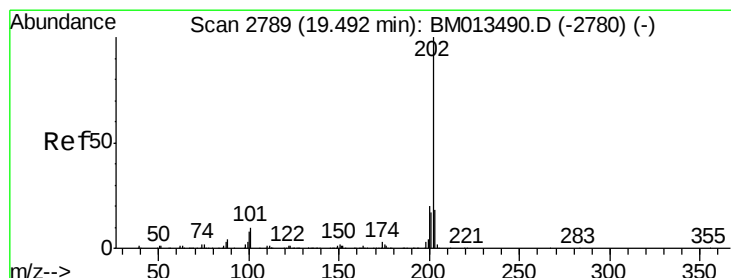
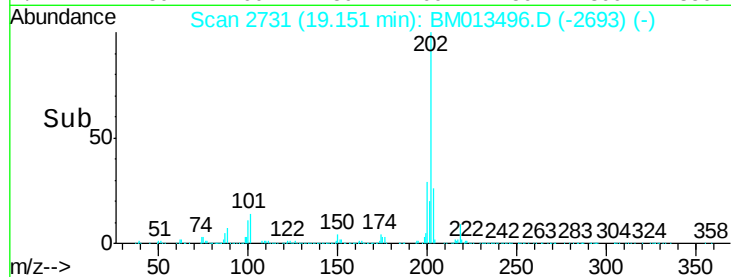
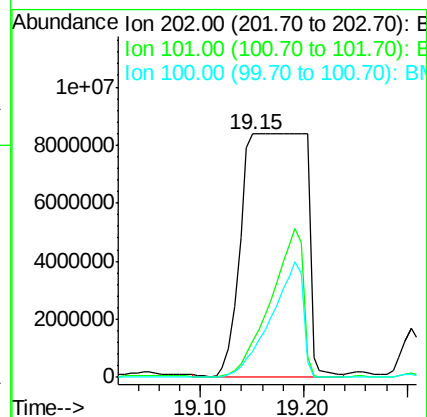
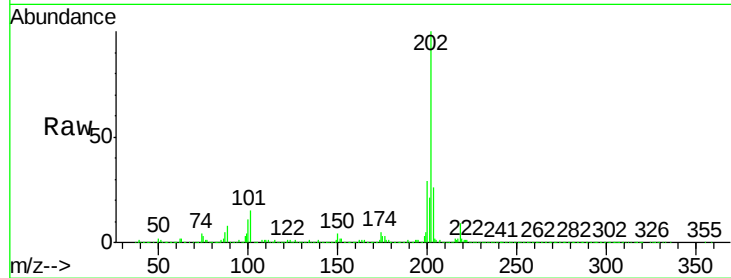
100 11.0 3.4 5.2#

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#77

Pyrene

Concen: 504.486 ng/ul m

RT: 19.52 min Scan# 2793

Delta R.T. 0.02 min

Lab File: BM013496.D

Acq: 18 Dec 2017 13:37

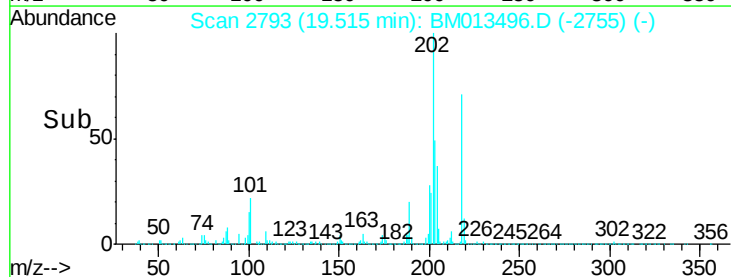
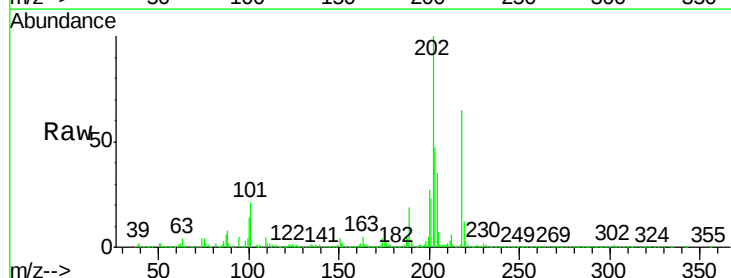
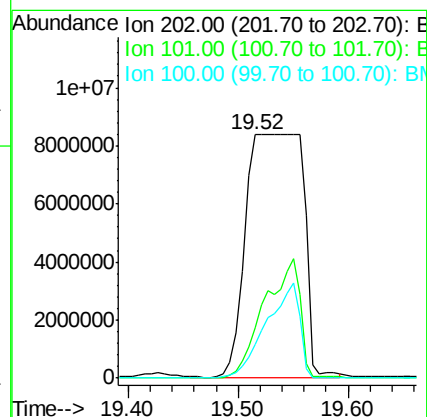
Tgt Ion:202 Resp:30672150

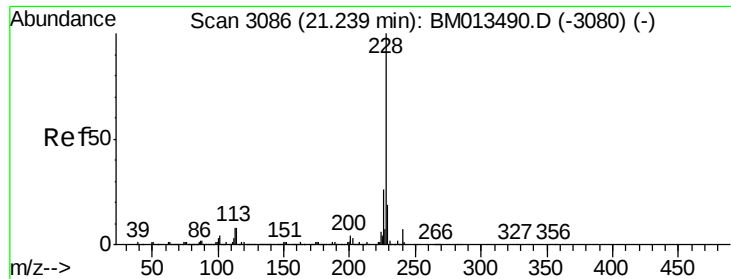
Ion Ratio Lower Upper

202 100

101 20.6 5.1 7.7#

100 13.9 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 235.633 ng/ul m

RT: 21.26 min Scan# 3090

Delta R.T. 0.02 min

Lab File: BM013496.D

Acq: 18 Dec 2017 13:37

Instrument :

BNA_M

ClientSampled :

F9A78ME

Tgt Ion:228 Resp:14961681

Ion Ratio Lower Upper

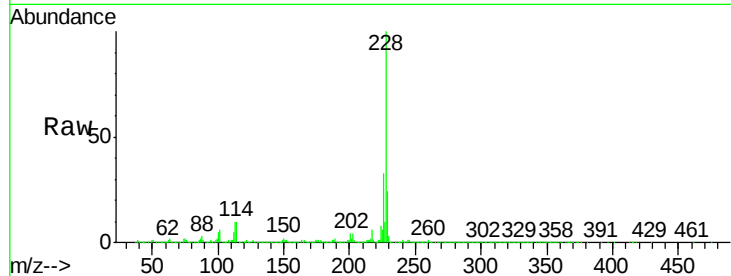
228 100

229 24.1 15.4 23.0#

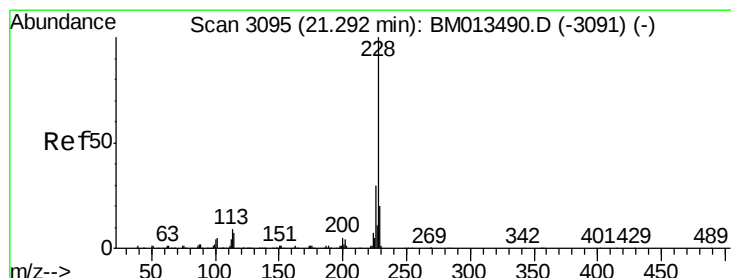
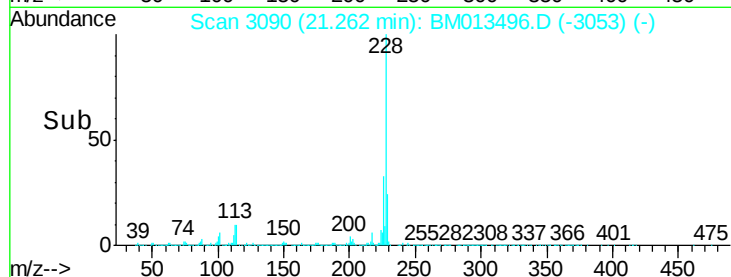
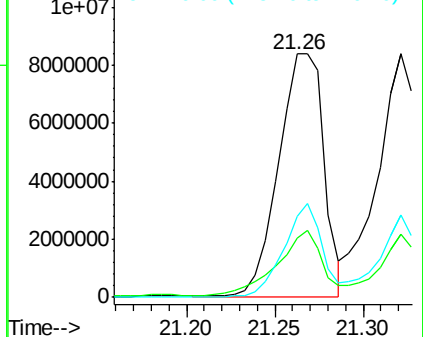
226 33.3 21.4 32.0#

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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: 213.577 ng/ul

RT: 21.32 min Scan# 3100

Delta R.T. 0.02 min

Lab File: BM013496.D

Acq: 18 Dec 2017 13:37

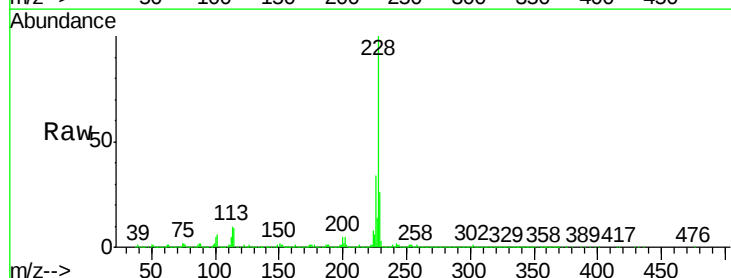
Tgt Ion:228 Resp:12581378

Ion Ratio Lower Upper

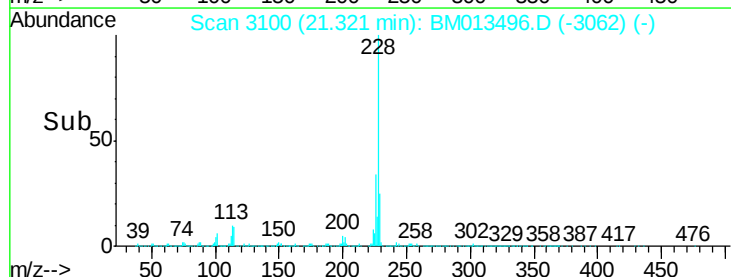
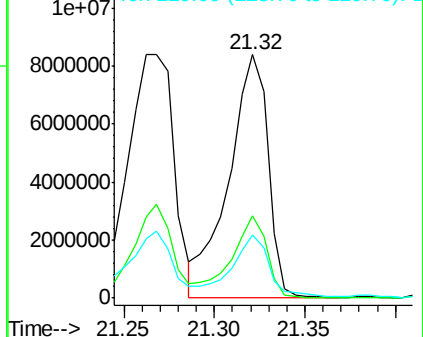
228 100

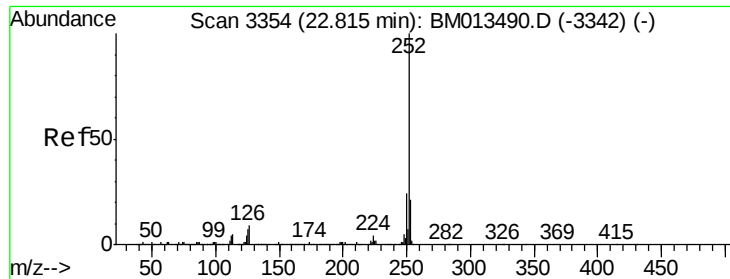
226 33.7 23.4 35.2

229 25.8 15.5 23.3#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





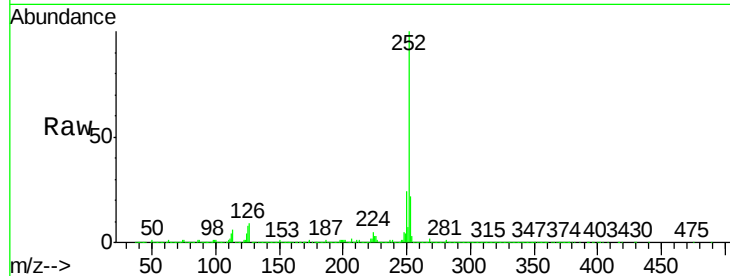
#85
Benzo(b)fluoranthene
Concen: 170.703 ng/ul
RT: 22.84 min Scan# 3359
Delta R.T. 0.03 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

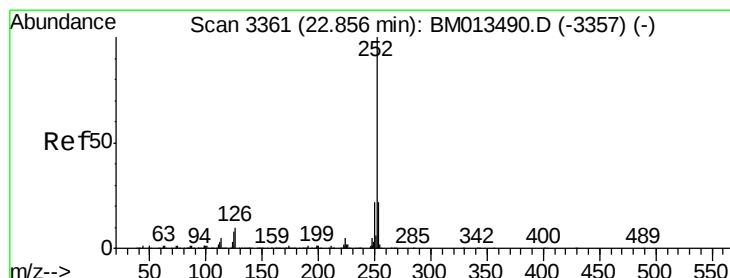
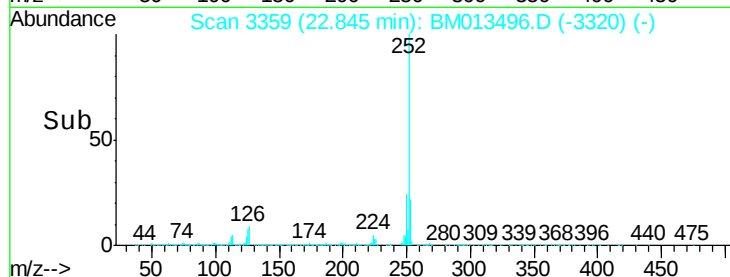
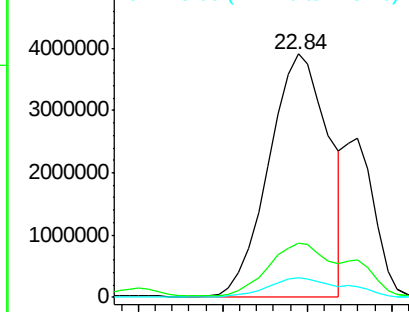
Tgt Ion:252 Resp: 9528668
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 8.0 3.6 5.4#

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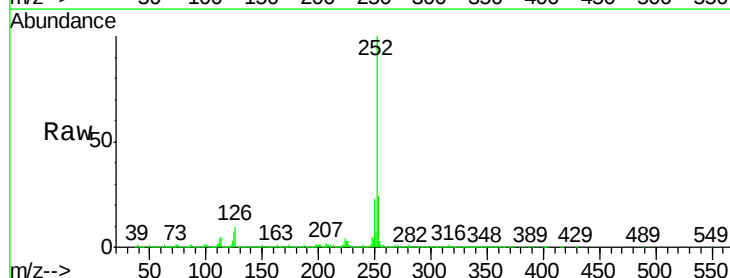


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

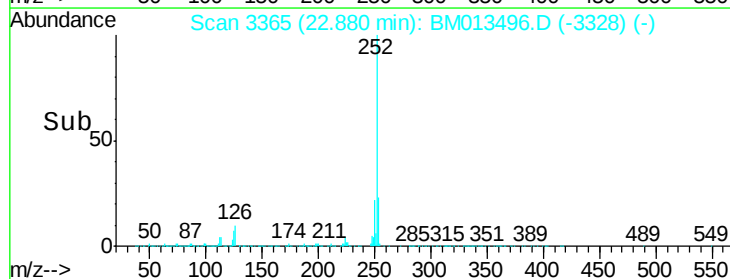
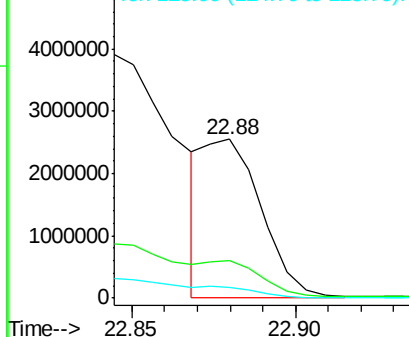


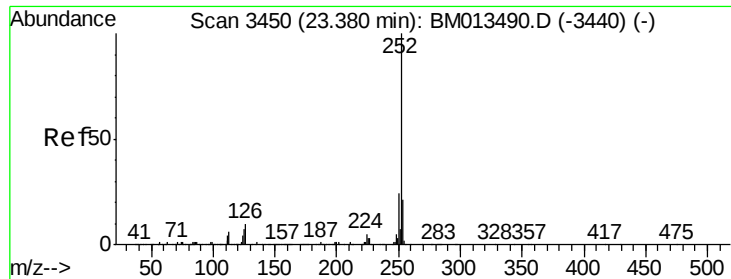
#86
Benzo(k)fluoranthene
Concen: 59.363 ng/ul m
RT: 22.88 min Scan# 3365
Delta R.T. 0.02 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion:252 Resp: 3118362
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 7.1 3.4 5.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 133.018 ng/ul

RT: 23.42 min Scan# 3456

Delta R.T. 0.03 min

Lab File: BM013496.D

Acq: 18 Dec 2017 13:37

Instrument :

BNA_M

ClientSampleId :

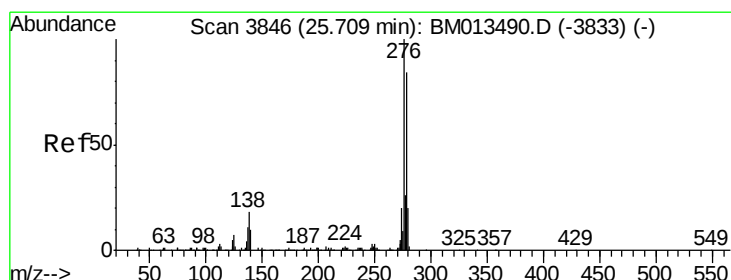
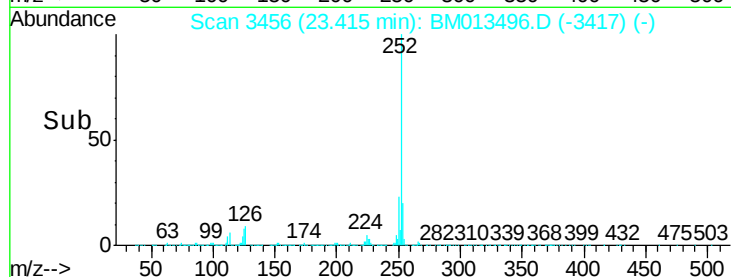
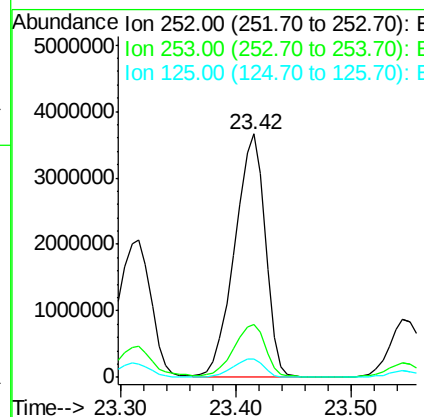
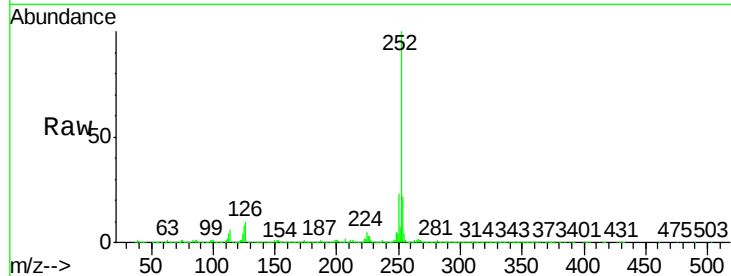
F9A78ME

Tgt Ion:252 Resp: 6669939

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.2
125	7.7	4.0	6.0#

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#89

Indeno(1,2,3-cd)pyrene

Concen: 61.534 ng/ul

RT: 25.74 min Scan# 3852

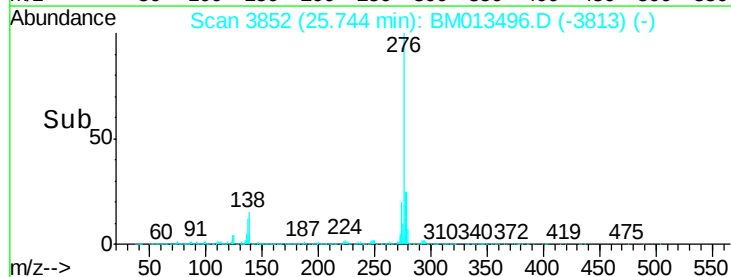
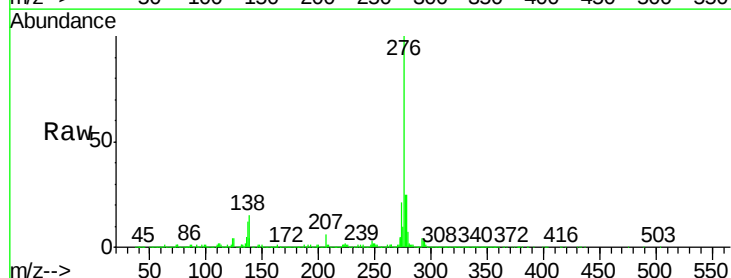
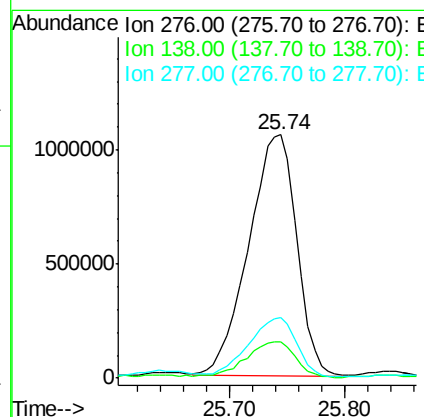
Delta R.T. 0.03 min

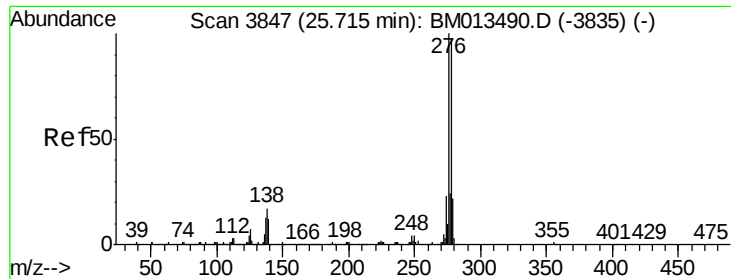
Lab File: BM013496.D

Acq: 18 Dec 2017 13:37

Tgt Ion:276 Resp: 3061522

Ion	Ratio	Lower	Upper
276	100		
138	14.8	9.3	13.9#
277	24.8	19.9	29.9





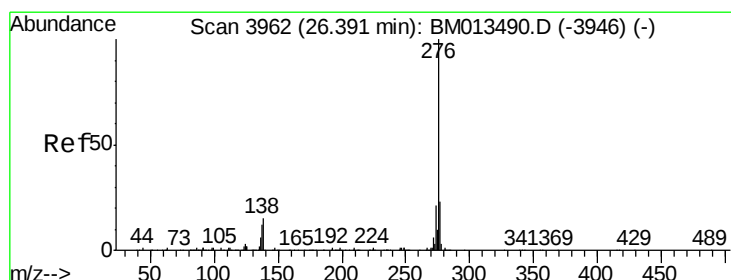
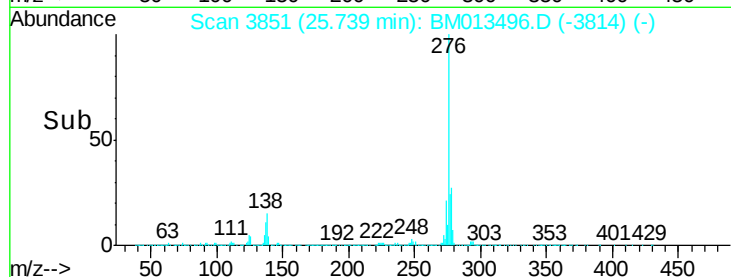
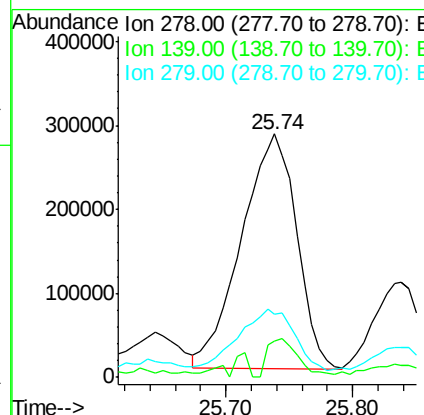
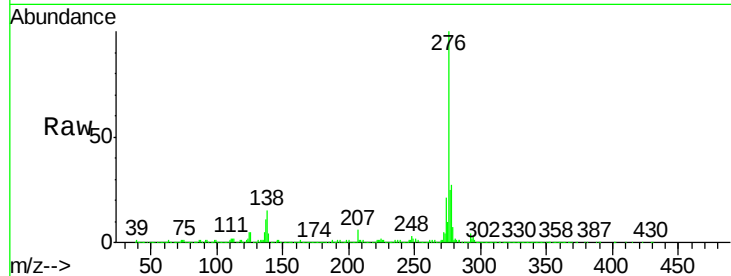
#90
Dibenzo(a,h)anthracene
Concen: 20.023 ng/ul
RT: 25.74 min Scan# 3851
Delta R.T. 0.02 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Instrument :
BNA_M
ClientSampleId :
F9A78ME

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.1	5.8	8.8#
279	26.2	18.6	27.8

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#91
Benzo(g,h,i)perylene
Concen: 61.348 ng/ul
RT: 26.43 min Scan# 3968
Delta R.T. 0.03 min
Lab File: BM013496.D
Acq: 18 Dec 2017 13:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.1	8.5	12.7#
277	23.8	18.6	28.0

