

Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
 Data File : BM013789.D
 Acq On : 25 Jan 2018 03:48
 Operator : SJ/JU
 Sample : J1174-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6A48

Manual Integrations
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Sohil
 1/25/2018 5:35:47 PM

Quant Time: Jan 25 06:21:48 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jan 25 03:36:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	154262	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	781813	20.00	ng/ul	0.03
35) Acenaphthene-d10	14.29	164	606411	20.00	ng/ul	0.05
61) Phenanthrene-d10	17.09	188	889934	20.00	ng/ul	0.09
75) Chrysene-d12	21.23	240	799549m	20.00	ng/ul	0.03
83) Perylene-d12	23.41	264	725423m	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	11102m	2.84	ng/uL	0.00
5) Phenol-d5	6.78	99	275507	23.26	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	183407	25.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	239271	24.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	198255	21.78	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	130252	21.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.47	143	130390	20.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	247054	19.95	ng/ul	0.02
29) 4-Chloroaniline-d4	10.50	131	285621	26.58	ng/ul	-0.02
43) Dimethylphthalate-d6	13.69	166	843227	16.87	ng/ul	0.02
46) Acenaphthylene-d8	13.96	160	928900	14.57	ng/ul	0.03
51) 4-Nitrophenol-d4	14.51	143	143945	17.72	ng/ul	0.04
57) Fluorene-d10	15.28	176	683577	15.55	ng/ul	0.04
62) 4,6-Dinitro-2-methylphenol	15.38	200	56154m	10.48	ng/ul	0.00
70) Anthracene-d10	17.18	188	1006939	23.23	ng/ul	0.08
76) Pyrene-d10	19.45	212	1281648	34.43	ng/ul	0.05
87) Benzo(a)pyrene-d12	23.27	264	923167	27.69	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.81	94	48268	4.064	ng/ul#	77
28) Naphthalene	10.43	128	41193574m	1059.095	ng/ul	
34) 2-Methylnaphthalene	12.07	142	34286646m	1182.349	ng/ul	
40) 1,1'-Biphenyl	13.10	154	20046031	397.129	ng/ul#	85
44) Dimethylphthalate	13.73	163	263590	5.364	ng/ul#	83
47) Acenaphthylene	14.00	152	1250539	21.445	ng/ul#	69
49) Acenaphthene	14.35	153	38516011m	953.688	ng/ul	
53) Dibenzofuran	14.69	168	32593076m	536.454	ng/ul	
55) 2,3,4,6-Tetrachlorophenol	14.92	232	1206887	94.809	ng/ul#	84
58) Fluorene	15.34	166	31847085m	639.903	ng/ul	
68) Pentachlorophenol	16.74	266	20998103	3492.540	ng/ul	98
69) Phenanthrene	17.07	178	56985956m	1151.981	ng/ul	
71) Anthracene	17.20	178	19035138m	373.066	ng/ul	
72) Carbazole	17.44	167	7680949	182.369	ng/ul	99
74) Fluoranthene	19.09	202	40770556m	690.455	ng/ul	
77) Pyrene	19.46	202	36831691m	757.746	ng/ul	
80) Benzo(a)anthracene	21.21	228	14117443m	292.209	ng/ul	
82) Chrysene	21.27	228	11056168	249.456	ng/ul	97
85) Benzo(b)fluoranthene	22.76	252	4895087	109.879	ng/ul#	98
86) Benzo(k)fluoranthene	22.80	252	1722816m	40.009	ng/ul	
88) Benzo(a)pyrene	23.32	252	2694394	64.022	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.60	276	697897	14.048	ng/ul	96
90) Dibenz(a,h)anthracene	25.60	278	197169m	4.700	ng/ul	

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QLast Update : Thu Jan 25 03:36:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	26.27	276	497266	12.162	ng/ul#	94

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

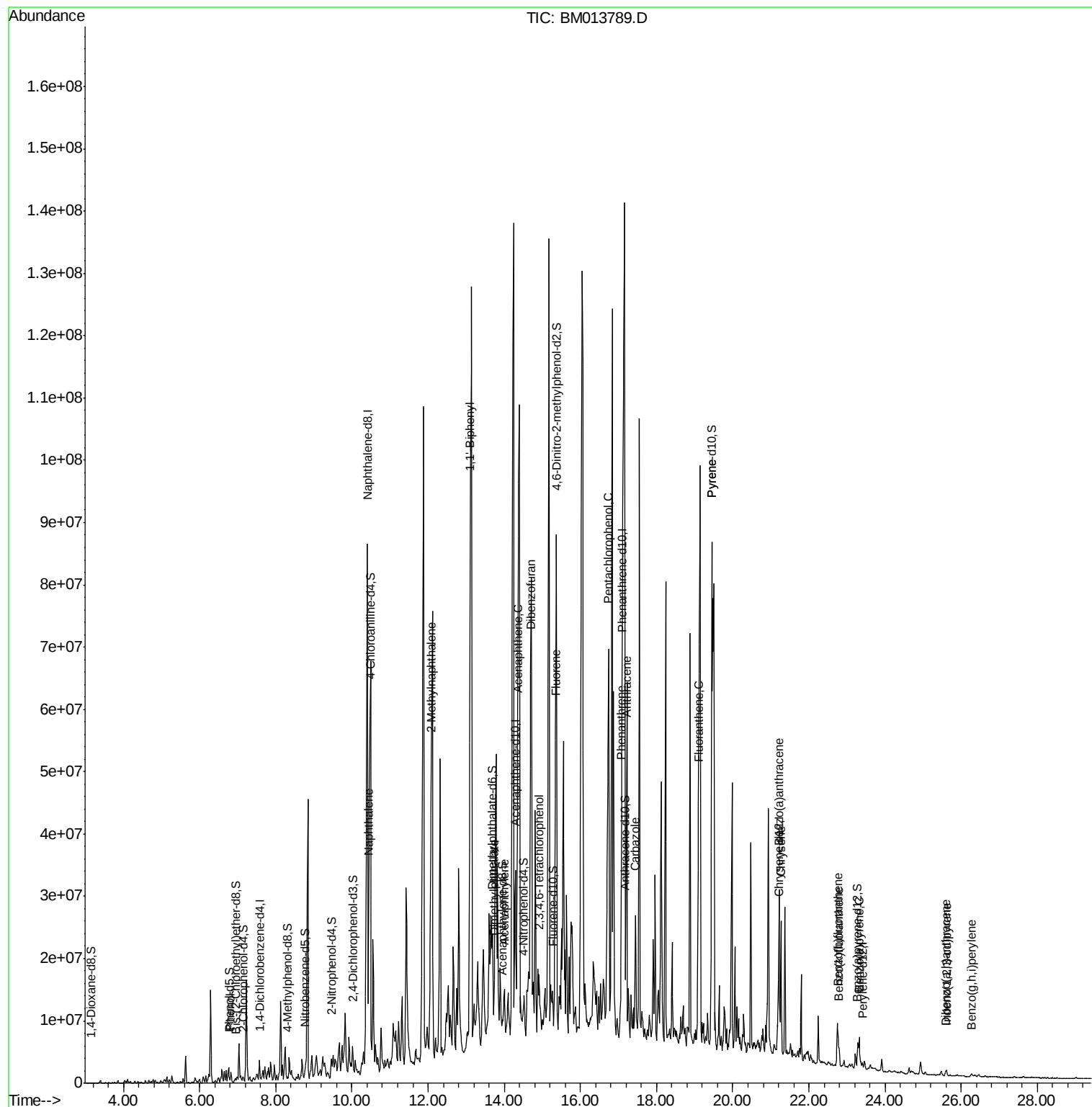
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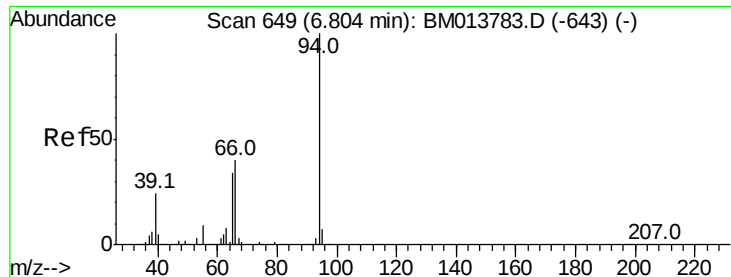
Instrument :
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#6

Phenol

Concen: 4.064 ng/ul

RT: 6.81 min Scan# 650

Delta R.T. 0.01 min

Lab File: BM013789.D

Acq: 25 Jan 2018 03:48

Instrument :

BNA_M

ClientSampled :

F6A48

Tot Ion: 94 Resp: 48268

Ion Ratio Lower Upper

94 100

65 57.5 28.2 42.4#

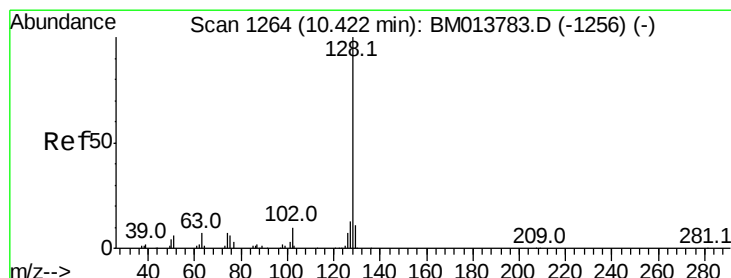
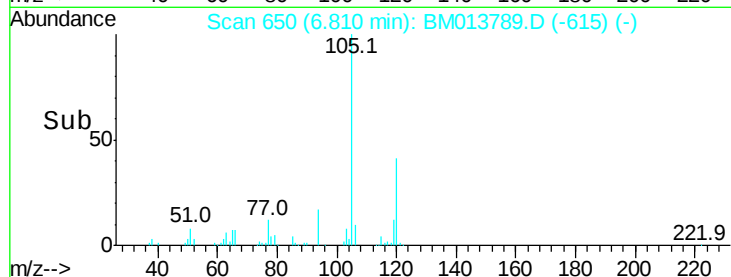
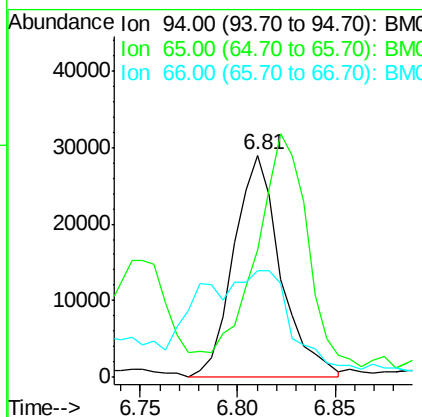
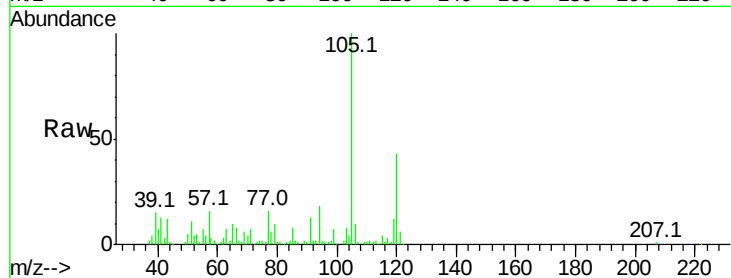
66 48.1 47.2 70.8

Manual Integrations

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#28

Naphthalene

Concen: 1059.095 ng/ul m

RT: 10.43 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BM013789.D

Acq: 25 Jan 2018 03:48

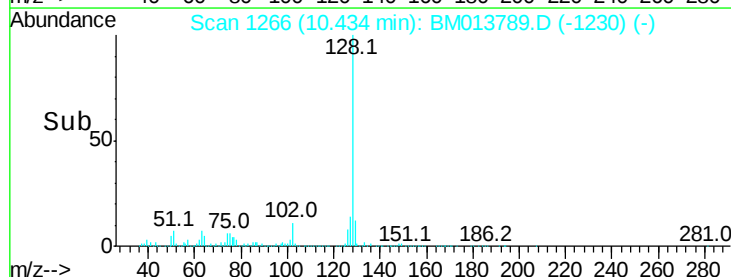
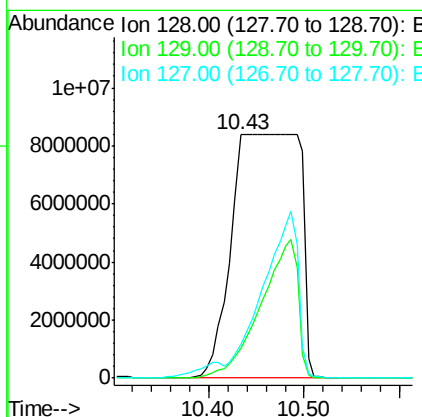
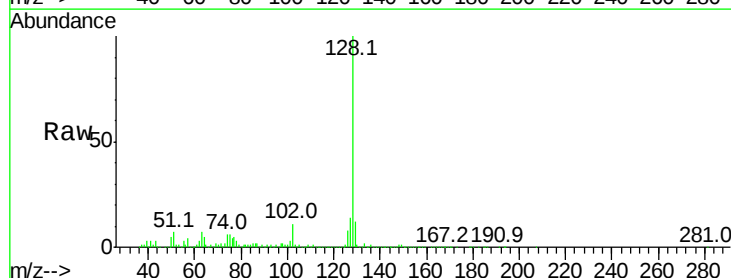
Tgt Ion:128 Resp:41193574

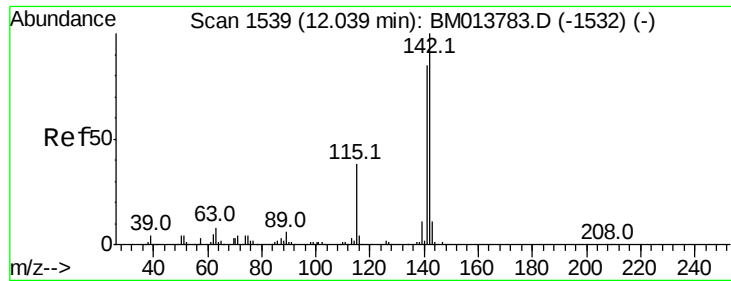
Ion Ratio Lower Upper

128 100

129 12.2 8.8 13.2

127 13.9 10.6 16.0





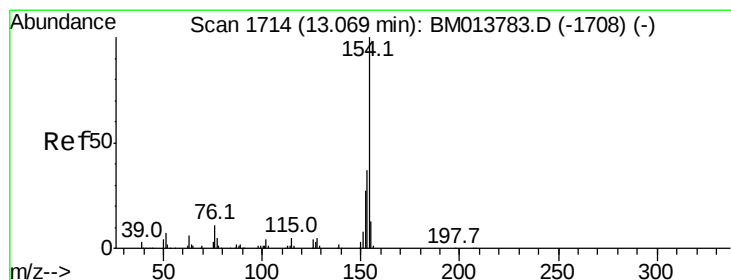
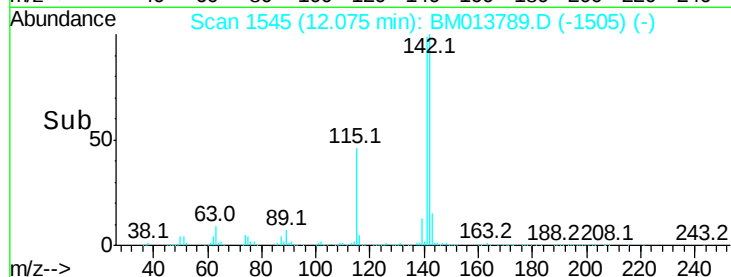
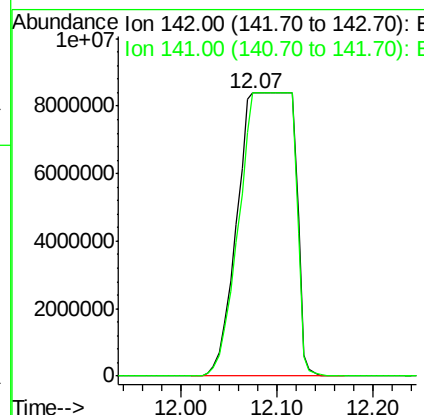
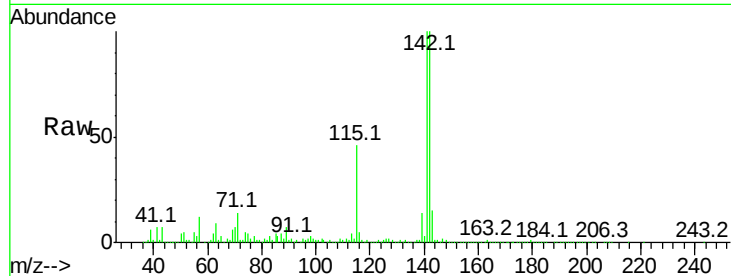
#34
 2-Methylnaphthalene
 Concen: 1182.349 ng/ul m
 RT: 12.07 min Scan# 1545
 Delta R.T. 0.04 min
 Lab File: BM013789.D
 Acq: 25 Jan 2018 03:48

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 BNA_M
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Tot Ion:142 Resp:34286646
 Ion Ratio Lower Upper
 142 100
 141 100.0 74.1 111.1

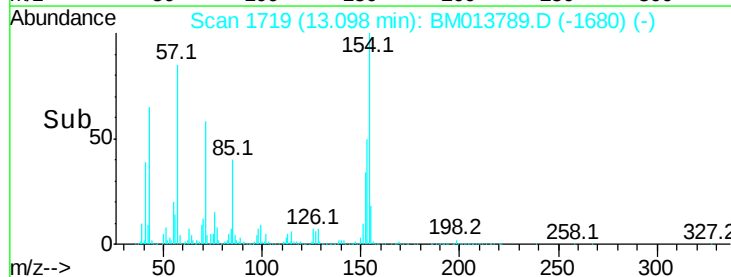
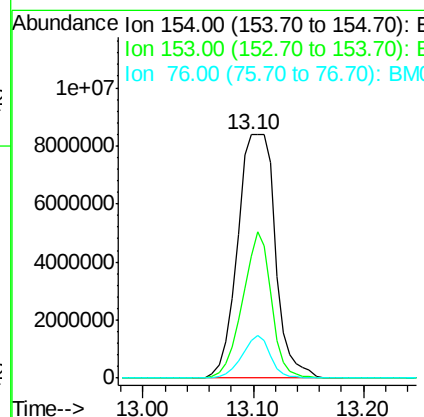
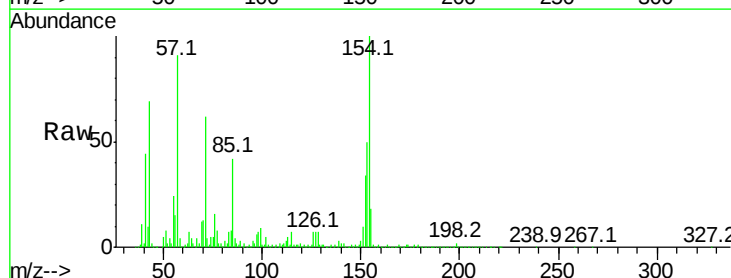
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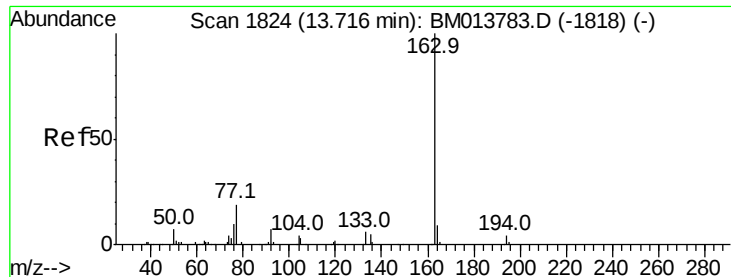
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#40
 1,1'-Biphenyl
 Concen: 397.129 ng/ul
 RT: 13.10 min Scan# 1719
 Delta R.T. 0.03 min
 Lab File: BM013789.D
 Acq: 25 Jan 2018 03:48

Tgt Ion:154 Resp:20046031
 Ion Ratio Lower Upper
 154 100
 153 50.3 32.6 48.8#
 76 15.5 8.5 12.7#





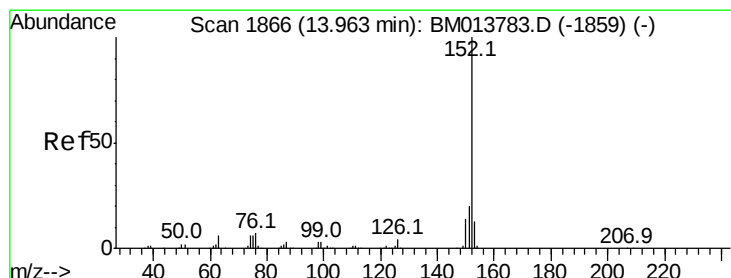
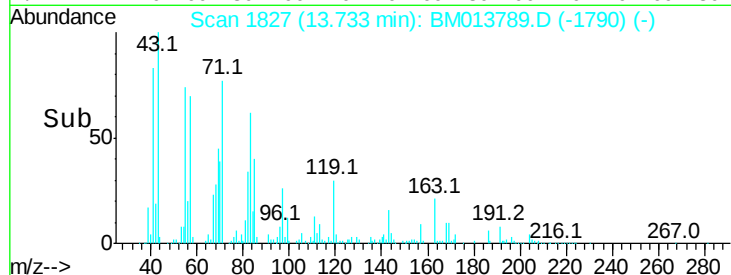
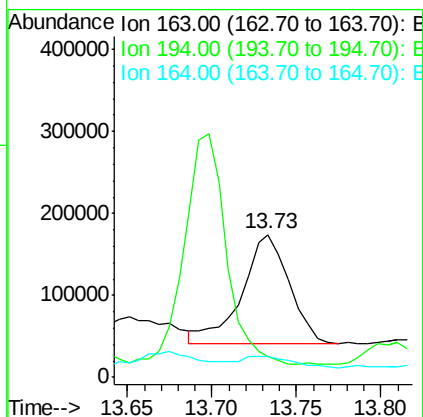
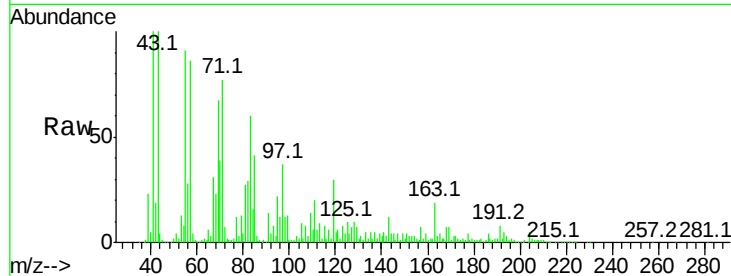
#44
Dimethylphthalate
Concen: 5.364 ng/ul
RT: 13.73 min Scan# 1827
Delta R.T. 0.02 min
Lab File: BM013789.D
Acq: 25 Jan 2018 03:48

Instrument :
BNA_M
ClientSampleId :
F6A48

Tot Ion	Ratio	Lower	Upper
163	100		
194	14.5	3.5	5.3#
164	14.7	8.2	12.4#

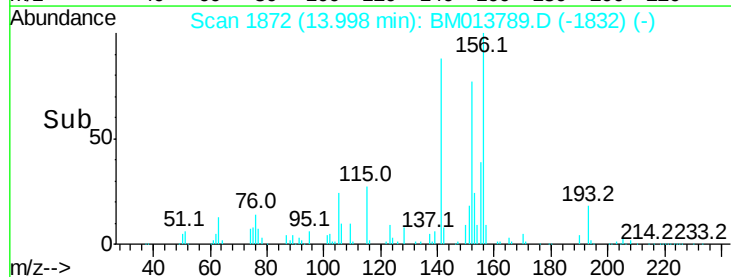
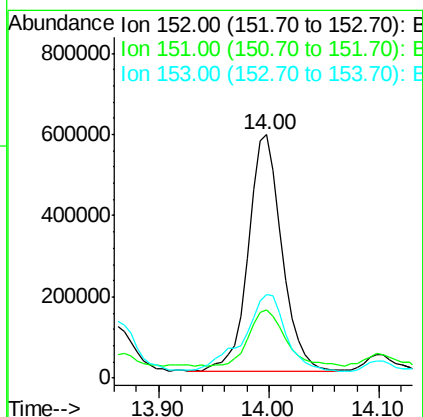
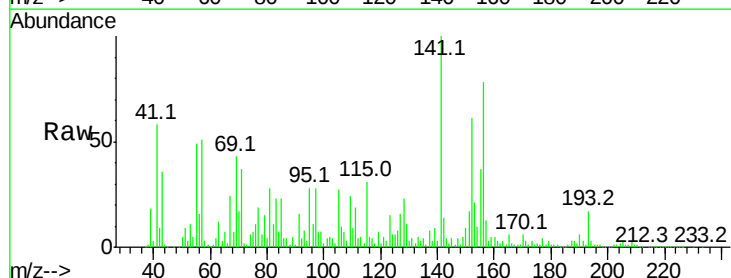
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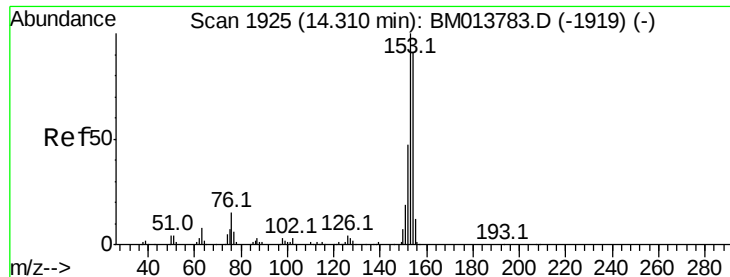
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#47
Acenaphthylene
Concen: 21.445 ng/ul
RT: 14.00 min Scan# 1872
Delta R.T. 0.04 min
Lab File: BM013789.D
Acq: 25 Jan 2018 03:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	28.2	16.3	24.5#
153	34.1	10.2	15.4#





#49

Acenaphthene

Concen: 953.688 ng/ul m

RT: 14.35 min Scan# 1931

Delta R.T. 0.04 min

Lab File: BM013789.D

Acq: 25 Jan 2018 03:48

Instrument :

BNA_M

ClientSampleId :

F6A48

Tot Ion:153 Resp:38516011

Ion Ratio Lower Upper

153 100

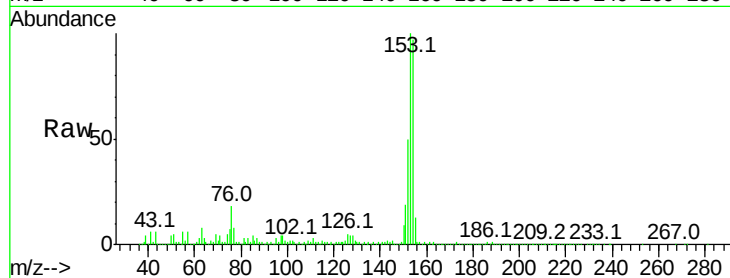
152 49.8 37.6 56.4

154 96.8 70.4 105.6

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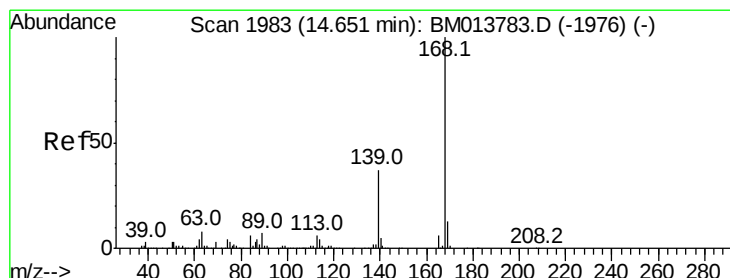
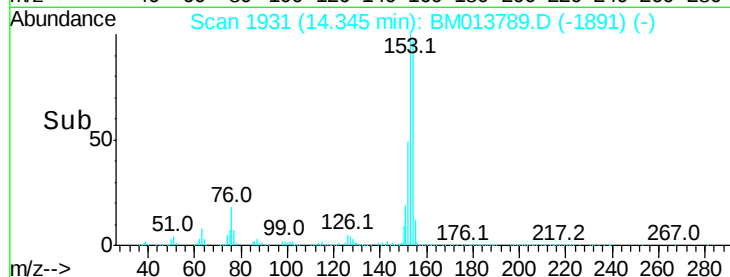
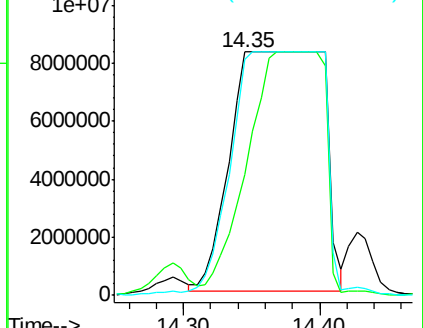
1/25/2018 5:35:47 PM



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: 536.454 ng/ul m

RT: 14.69 min Scan# 1989

Delta R.T. 0.04 min

Lab File: BM013789.D

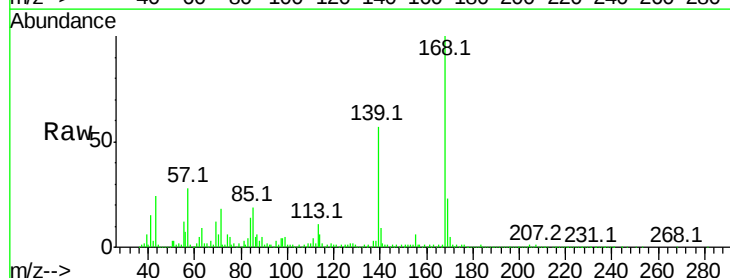
Acq: 25 Jan 2018 03:48

Tgt Ion:168 Resp:32593076

Ion Ratio Lower Upper

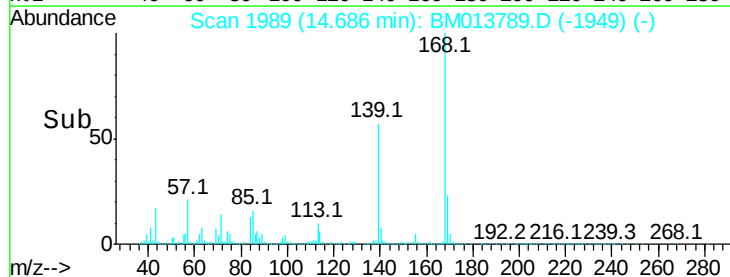
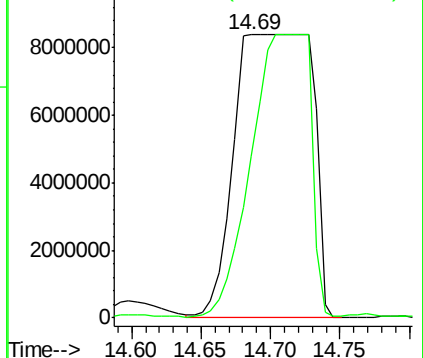
168 100

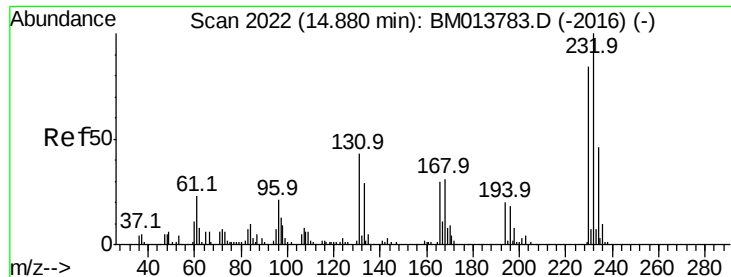
139 57.0 30.8 46.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#55

2,3,4,6-Tetrachlorophenol

Concen: 94.809 ng/ul

RT: 14.92 min Scan# 2028

Delta R.T. 0.04 min

Lab File: BM013789.D

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ClientSampled :

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Tot Ion:232 Resp: 1206887

Ion Ratio Lower Upper

232 100

131 48.8 29.0 43.4#

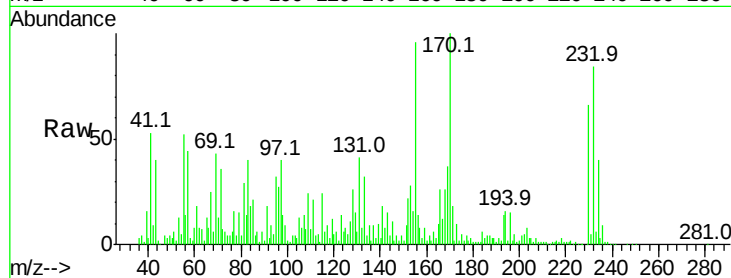
130 7.4 2.0 3.0#

166 31.1 21.4 32.2

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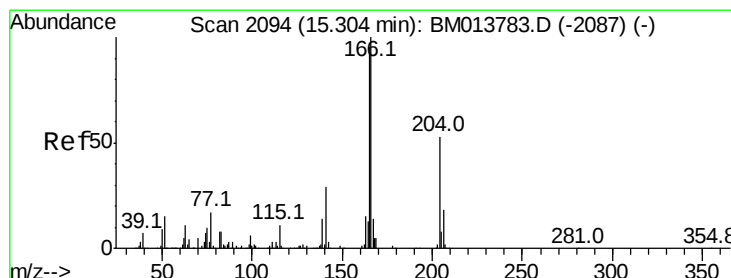
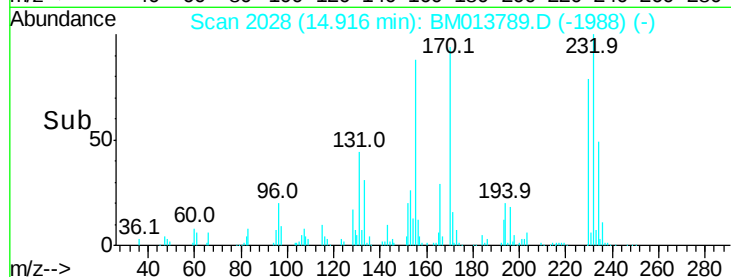
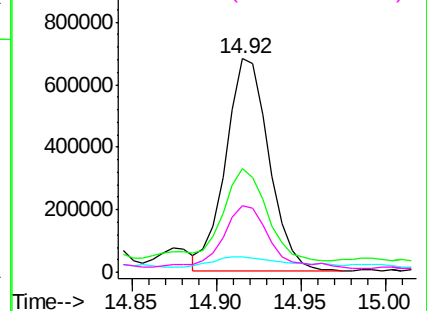


Abundance Ion 232.00 (231.70 to 232.70): E

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: 639.903 ng/ul m

RT: 15.34 min Scan# 2100

Delta R.T. 0.04 min

Lab File: BM013789.D

Acq: 25 Jan 2018 03:48

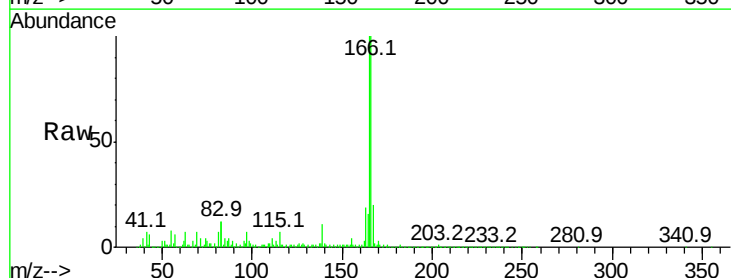
Tgt Ion:166 Resp:31847085

Ion Ratio Lower Upper

166 100

165 100.0 77.9 116.9

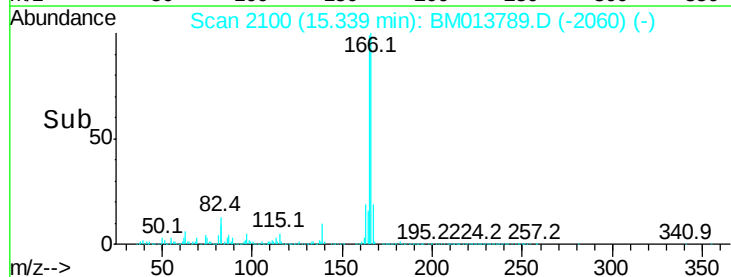
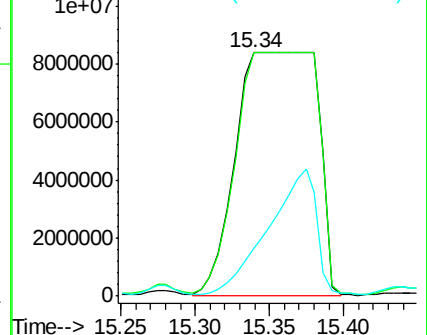
167 19.6 10.6 16.0#

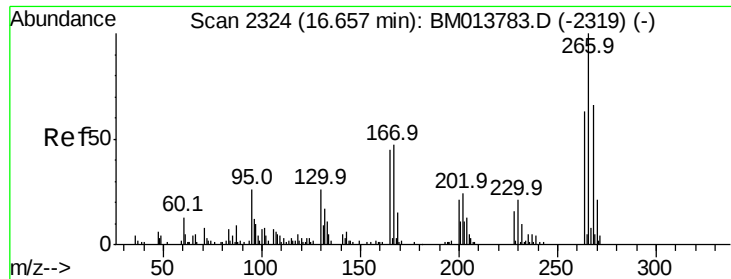


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





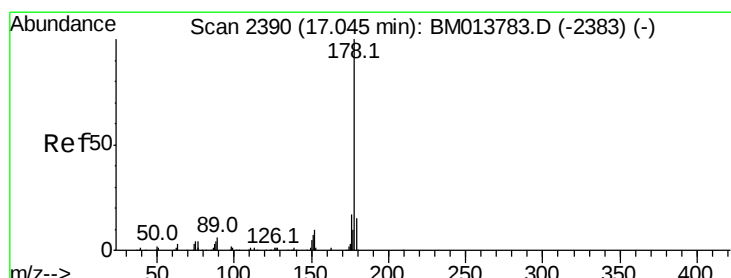
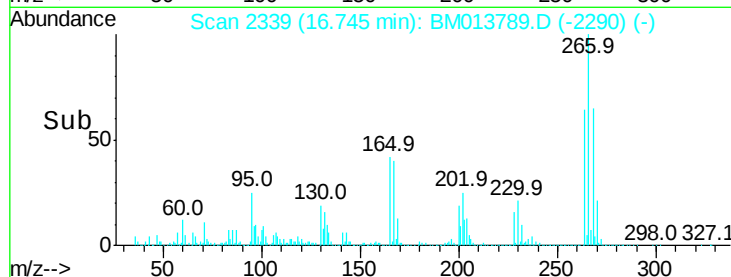
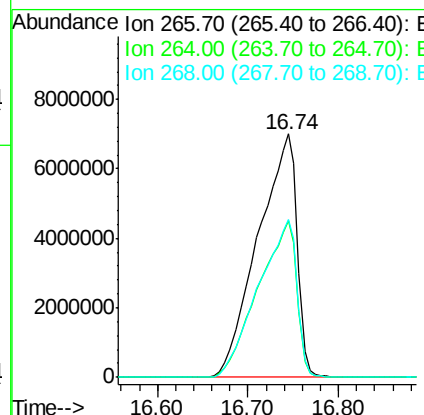
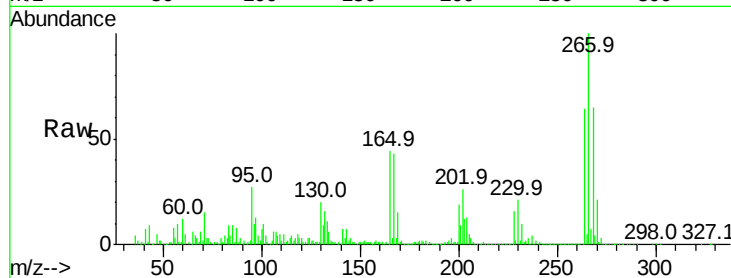
#68
 Pentachlorophenol
 Concen: 3492.540 ng/ul
 RT: 16.74 min Scan# 2339
 Delta R.T. 0.09 min
 Lab File: BM013789.D
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Tot Ion:266 Resp:20998103
 Ion Ratio Lower Upper
 266 100
 264 64.5 49.3 73.9
 268 64.9 52.6 78.8

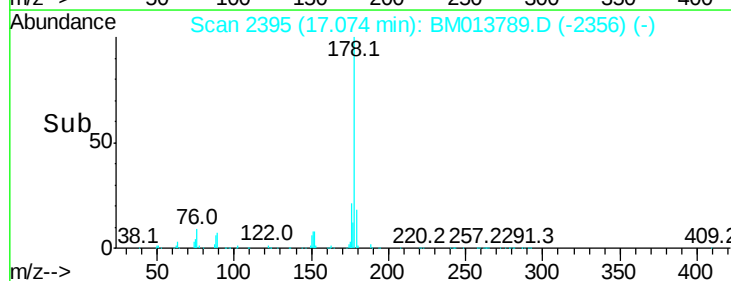
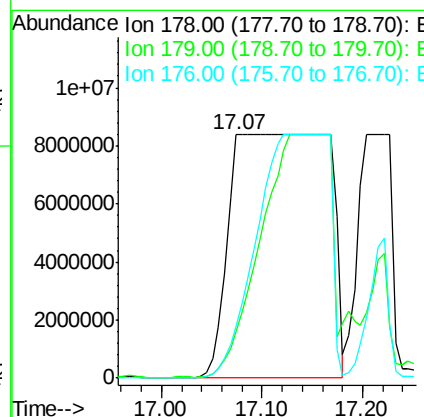
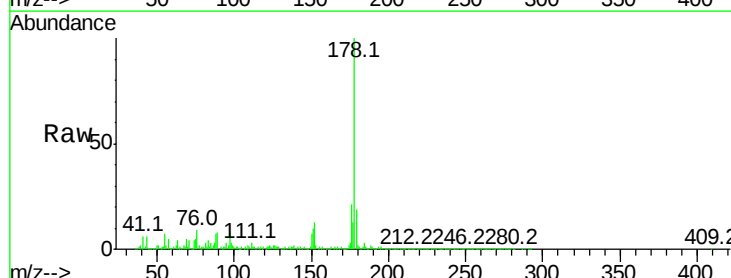
Manual Integrations
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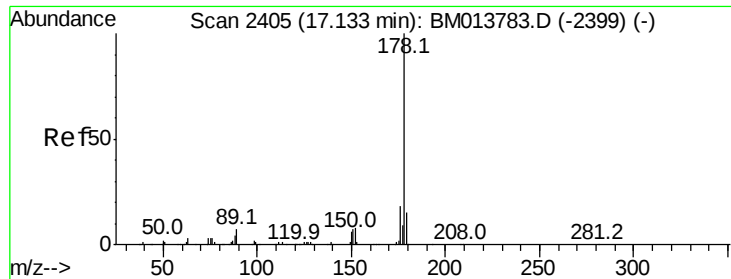
Sohil
 1/25/2018 5:35:47 PM



#69
 Phenanthrene
 Concen: 1151.981 ng/ul m
 RT: 17.07 min Scan# 2395
 Delta R.T. 0.03 min
 Lab File: BM013789.D
 Acq: 25 Jan 2018 03:48

Tgt Ion:178 Resp:56985956
 Ion Ratio Lower Upper
 178 100
 179 19.3 12.6 19.0#
 176 21.2 14.9 22.3





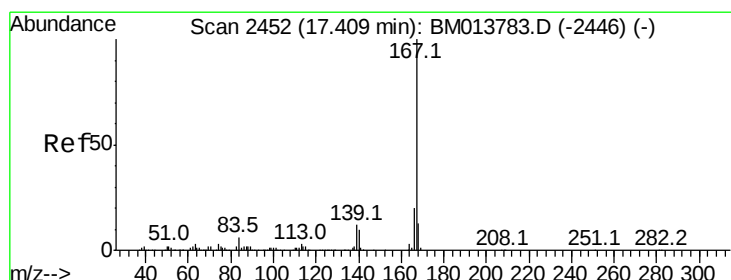
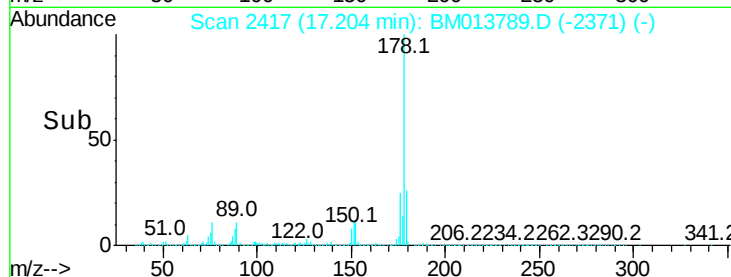
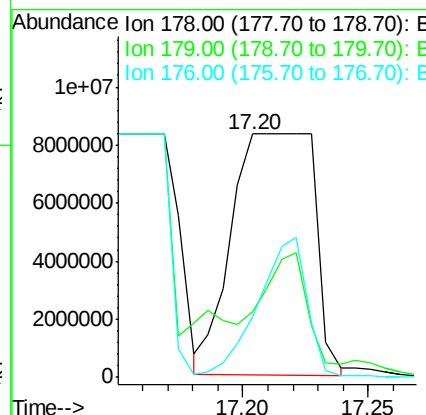
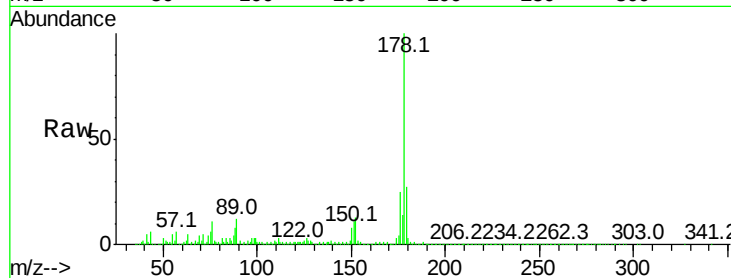
#71
 Anthracene
 Concen: 373.066 ng/ul m
 RT: 17.20 min Scan# 2417
 Delta R.T. 0.07 min
 Lab File: BM013789.D
 Acq: 25 Jan 2018 03:48

Instrument :
 BNA_M
 ClientSampleId :
 F6A48

Tot Ion:178 Resp:19035138
 Ion Ratio Lower Upper
 178 100
 179 26.8 11.7 17.5#
 176 25.0 14.6 21.8#

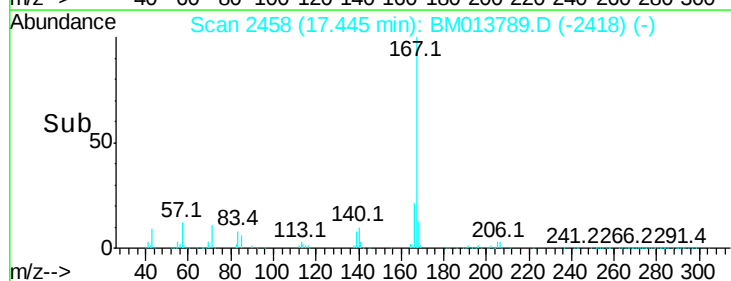
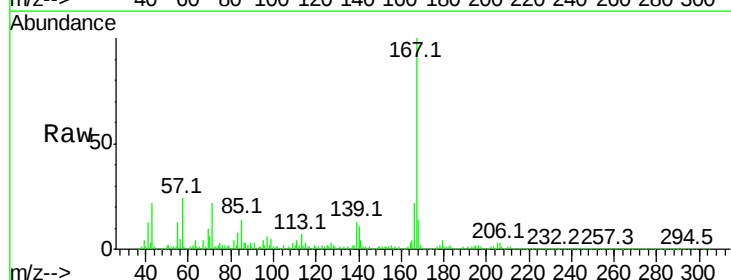
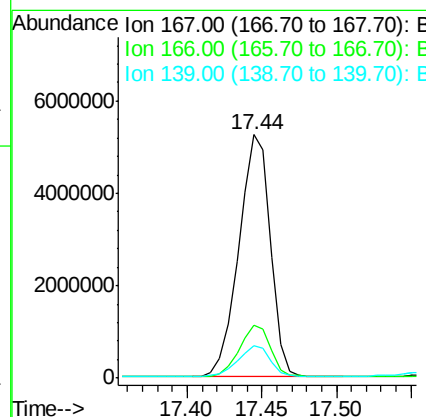
Manual Integrations
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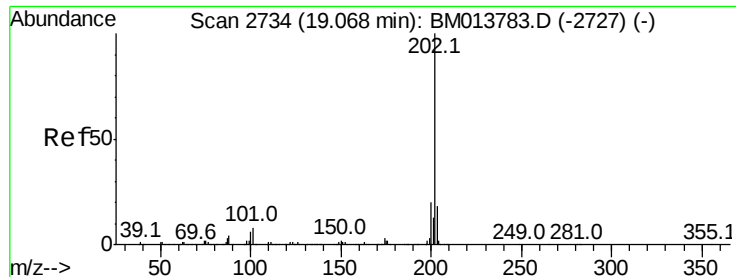
Sohil
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#72
 Carbazole
 Concen: 182.369 ng/ul
 RT: 17.44 min Scan# 2458
 Delta R.T. 0.04 min
 Lab File: BM013789.D
 Acq: 25 Jan 2018 03:48

Tgt Ion:167 Resp: 7680949
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.1 25.7
 139 13.4 10.0 15.0





#74

Fluoranthene

Concen: 690.455 ng/ul m

RT: 19.09 min Scan# 2738

Delta R.T. 0.02 min

Lab File: BM013789.D

Acq: 25 Jan 2018 03:48

Instrument :

BNA_M

ClientSampleId :

F6A48

Tot Ion:202 Resp:40770556

Ion Ratio Lower Upper

202 100

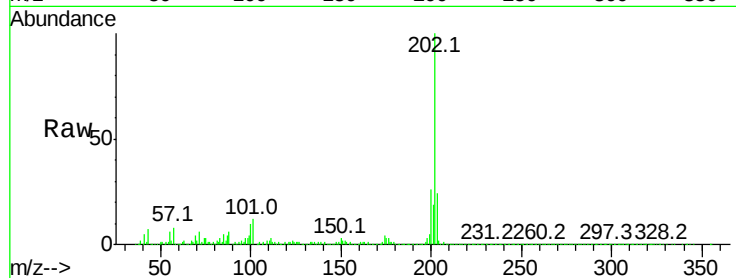
101 12.3 4.6 7.0#

100 9.5 3.4 5.2#

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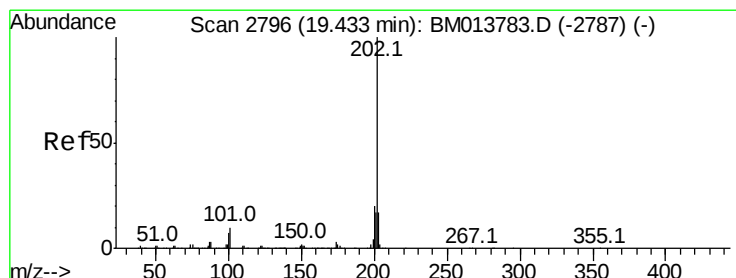
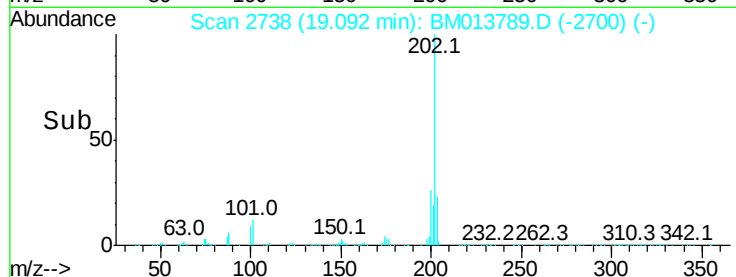
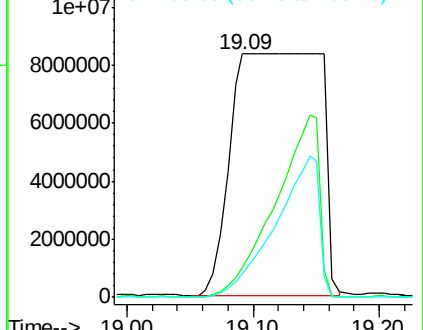
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 757.746 ng/ul m

RT: 19.46 min Scan# 2800

Delta R.T. 0.02 min

Lab File: BM013789.D

Acq: 25 Jan 2018 03:48

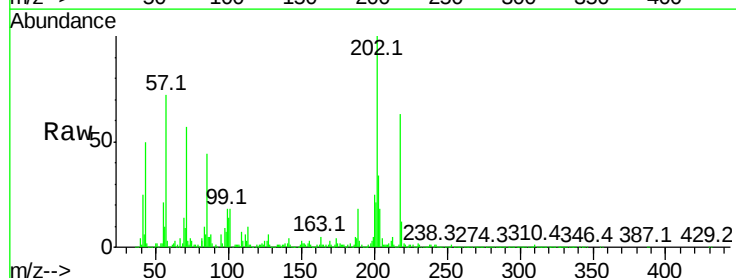
Tgt Ion:202 Resp:36831691

Ion Ratio Lower Upper

202 100

101 17.6 5.1 7.7#

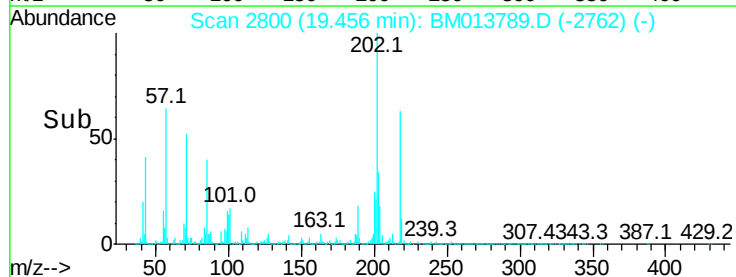
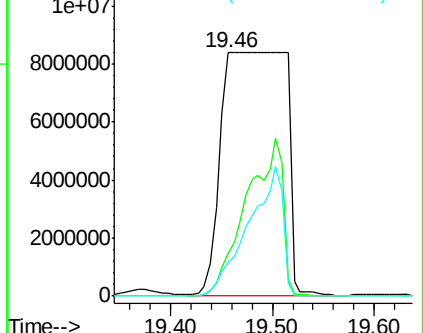
100 14.0 4.9 7.3#

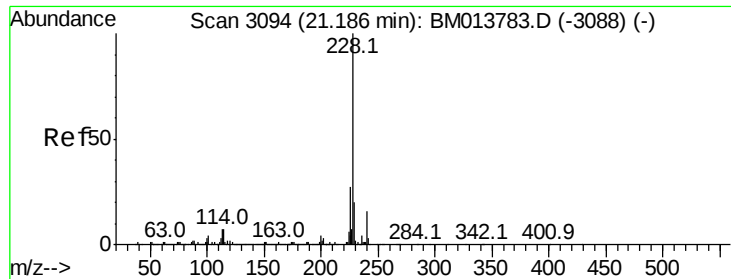


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 292.209 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. 0.02 min

Lab File: BM013789.D

Acq: 25 Jan 2018 03:48

Instrument :

BNA_M

ClientSampled :

F6A48

Tot Ion:228 Resp:14117443

Ion Ratio Lower Upper

228 100

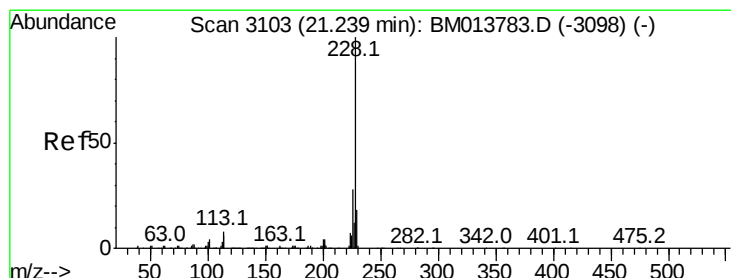
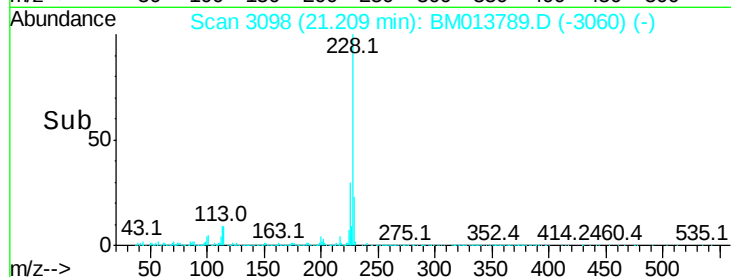
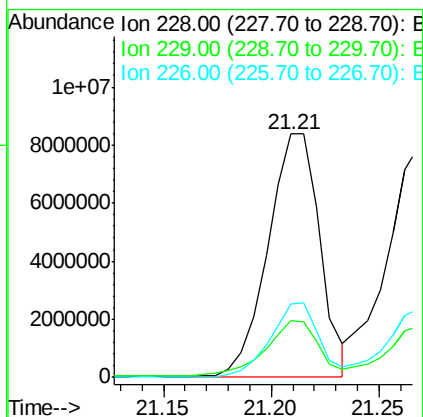
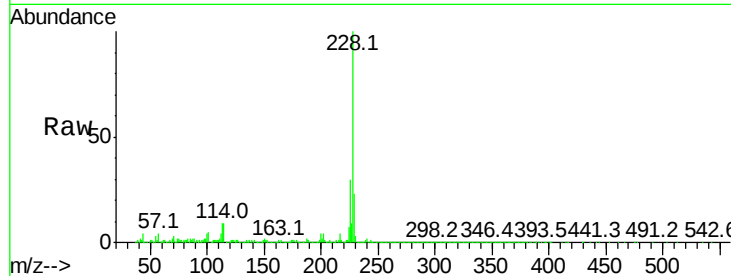
229 23.2 15.4 23.0#

226 30.2 21.4 32.0

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#82

Chrysene

Concen: 249.456 ng/ul

RT: 21.27 min Scan# 3108

Delta R.T. 0.03 min

Lab File: BM013789.D

Acq: 25 Jan 2018 03:48

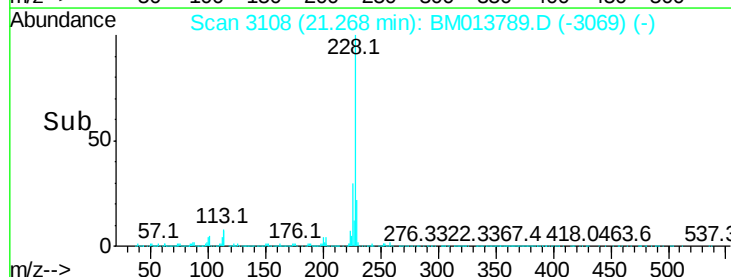
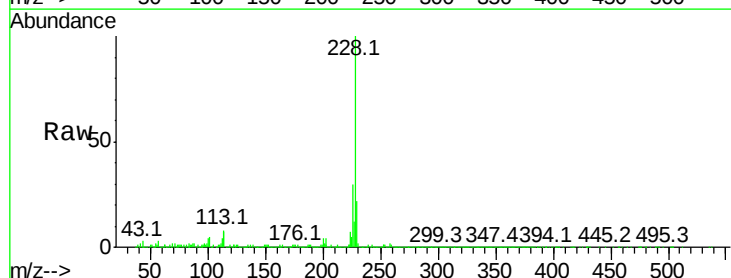
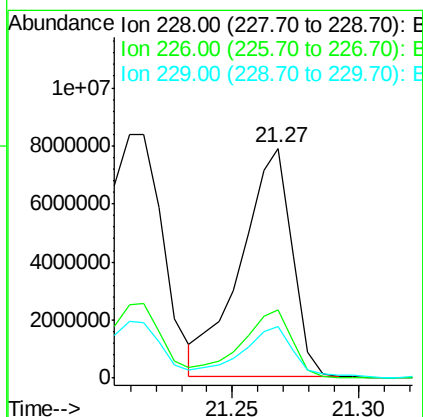
Tgt Ion:228 Resp:11056168

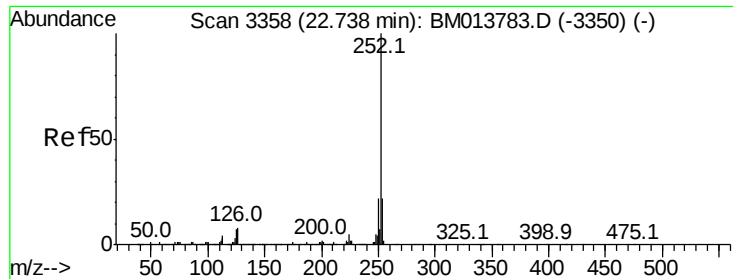
Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

229 22.4 15.5 23.3





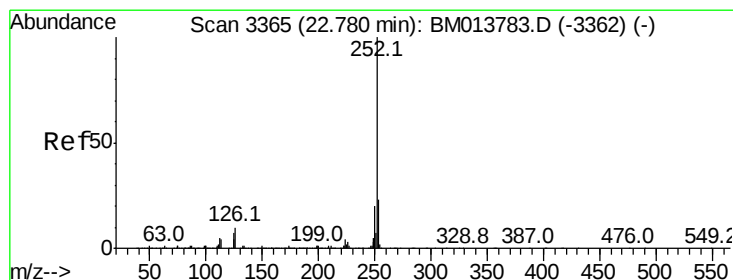
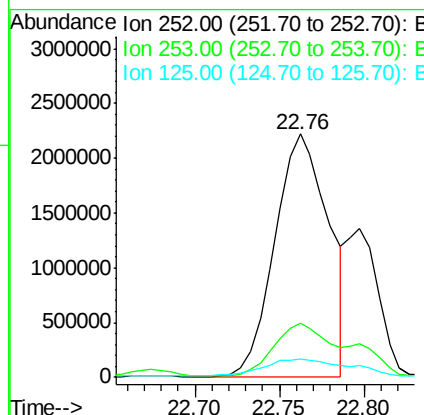
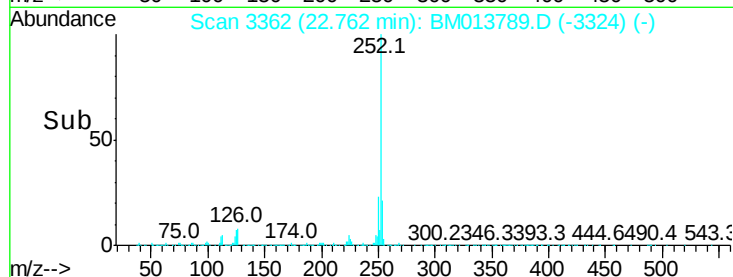
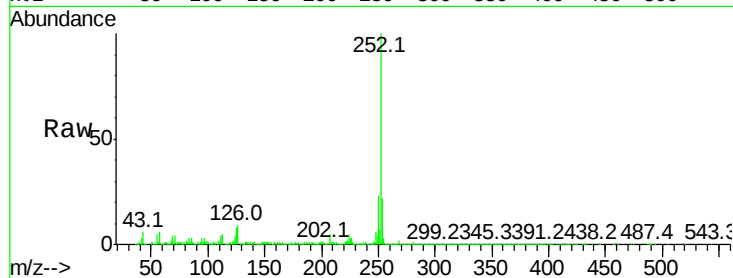
#85
Benzo(b)fluoranthene
Concen: 109.879 ng/ul
RT: 22.76 min Scan# 3362
Delta R.T. 0.02 min
Lab File: BM013789.D
Acq: 25 Jan 2018 03:48

Instrument :
BNA_M
ClientSampled :
F6A48

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	7.8	3.6	5.4

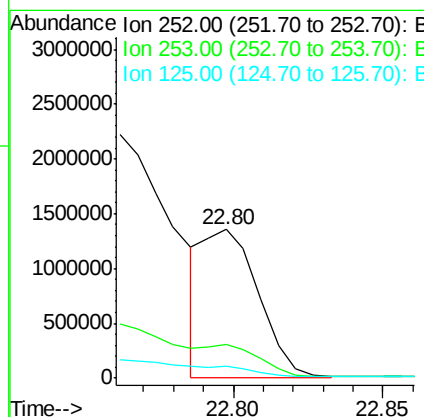
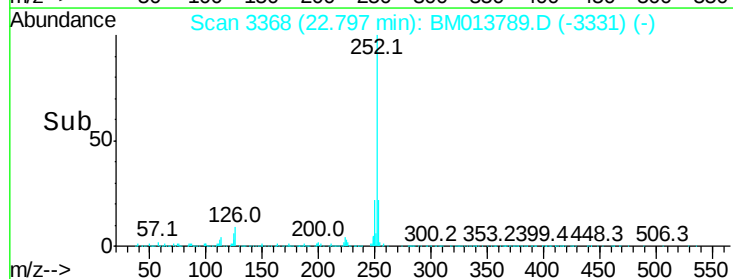
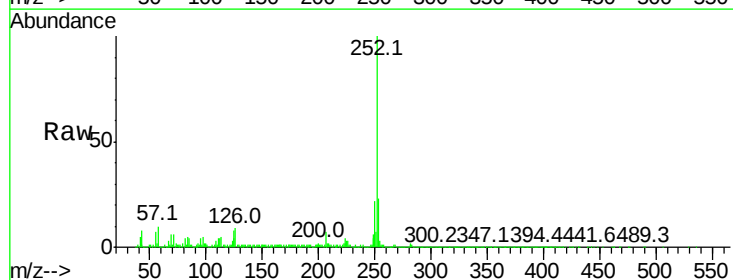
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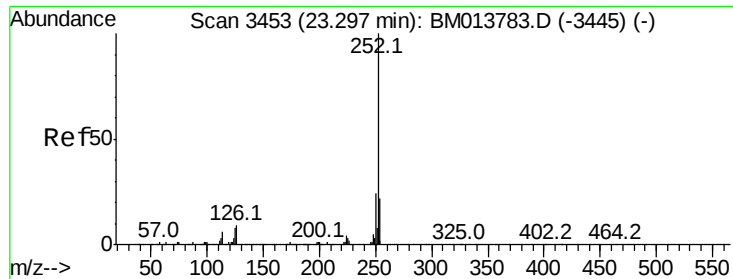
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#86
Benzo(k)fluoranthene
Concen: 40.009 ng/ul m
RT: 22.80 min Scan# 3368
Delta R.T. 0.02 min
Lab File: BM013789.D
Acq: 25 Jan 2018 03:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	7.8	3.4	5.2





#88

Benzo(a)pyrene

Concen: 64.022 ng/ul

RT: 23.32 min Scan# 3457

Delta R.T. 0.02 min

Lab File: BM013789.D

Acq: 25 Jan 2018 03:48

Instrument :

BNA_M

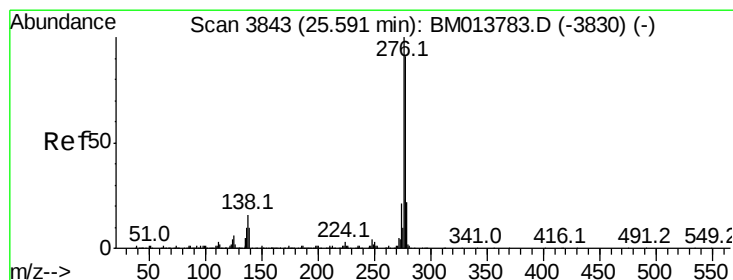
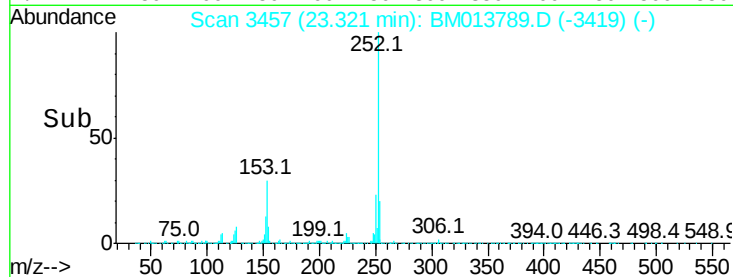
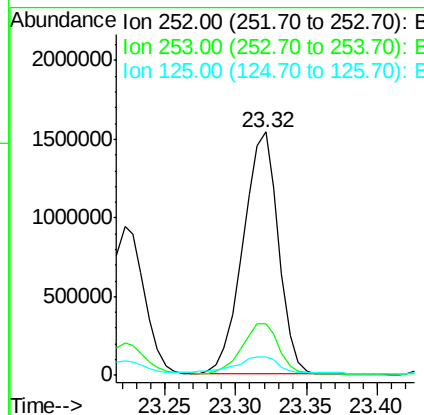
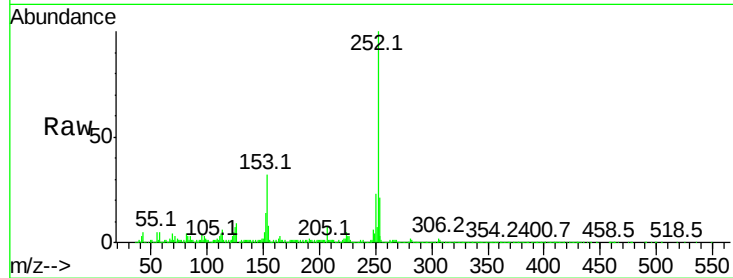
ClientSampleId :

F6A48

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.2	27.2
125	7.3	4.0	6.0

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#89

Indeno(1,2,3-cd)pyrene

Concen: 14.048 ng/ul

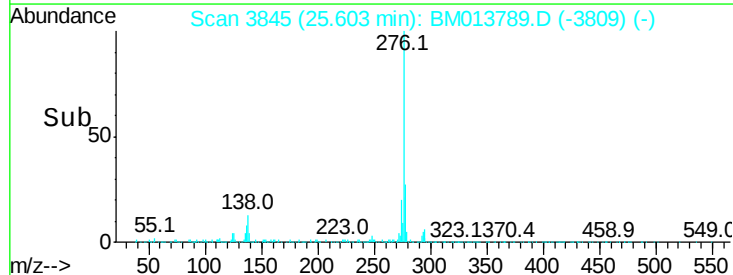
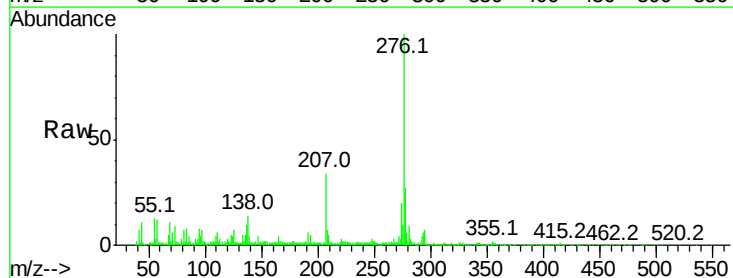
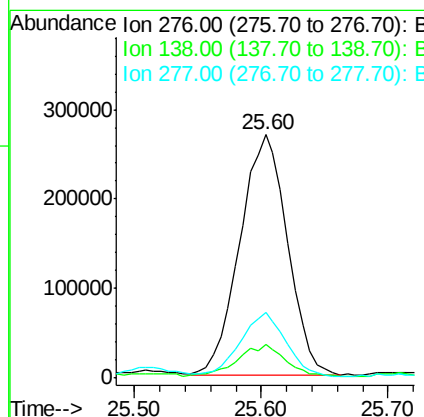
RT: 25.60 min Scan# 3845

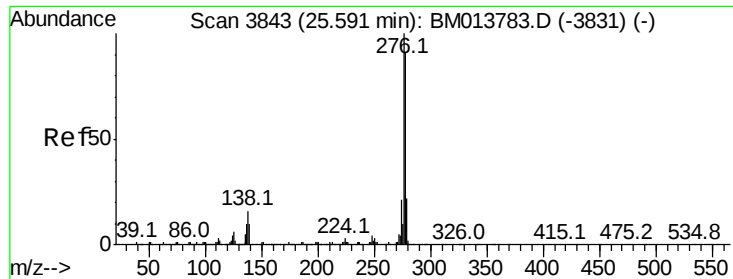
Delta R.T. 0.01 min

Lab File: BM013789.D

Acq: 25 Jan 2018 03:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.8	9.3	13.9
277	26.9	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 4.700 ng/ul

RT: 25.60 min Scan# 3844

Delta R.T. 0.01 min

Lab File: BM013789.D

Acq: 25 Jan 2018 03:48

Instrument :

BNA_M

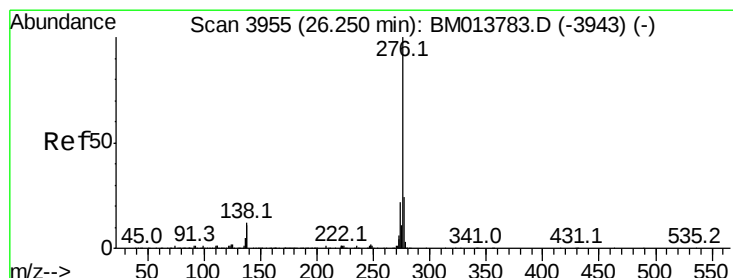
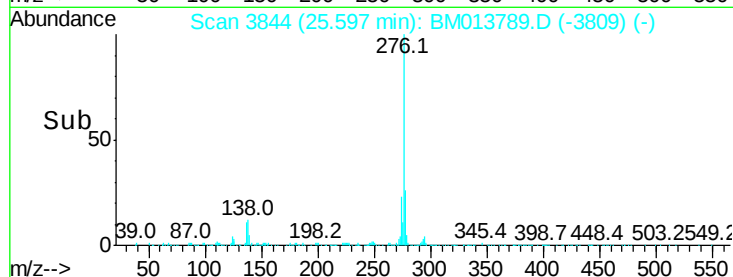
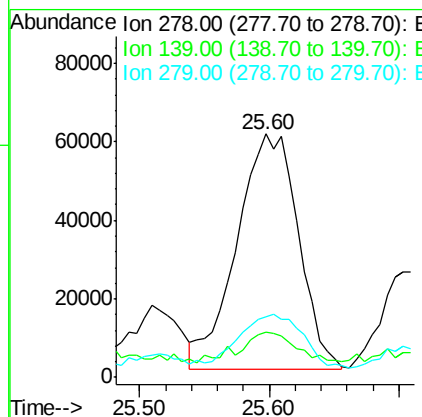
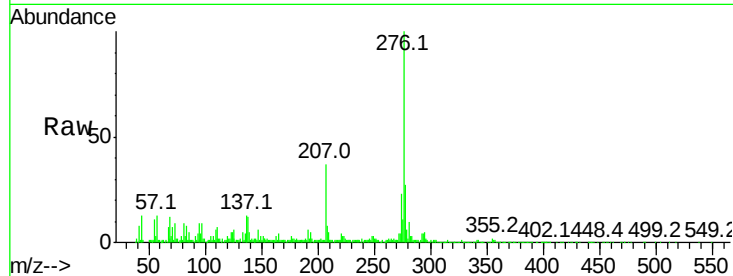
ClientSampleId :

F6A48

Tot Ion:	278	Resp:	197169
Ion Ratio	Lower	Upper	
278	100		
139	18.5	5.8	8.8#
279	24.7	18.6	27.8

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#91

Benzo(g,h,i)perylene

Concen: 12.162 ng/ul

RT: 26.27 min Scan# 3959

Delta R.T. 0.02 min

Lab File: BM013789.D

Acq: 25 Jan 2018 03:48

Tgt Ion:	276	Resp:	497266
Ion Ratio	Lower	Upper	
276	100		
138	14.6	8.5	12.7#
277	25.5	18.6	28.0

