

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012117\
 Data File : BM008787.D
 Acq On : 22 Jan 2017 01:01
 Operator : UM/SJ
 Sample : I1323-22
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA9R7

Manual Integrations
 APPROVED

mohammad
 1/23/2017 2:49:06 PM

Quant Time: Jan 23 10:39:33 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 23 04:58:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	94630	20.00	ng/ul	0.00
18) Naphthalene-d8	10.77	136	417714	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.59	164	528233	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.34	188	739057	20.00	ng/ul	0.02
75) Chrysene-d12	21.49	240	824518	20.00	ng/ul	0.00
83) Perylene-d12	23.85	264	748229	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	2626m	1.28	ng/uL	0.01
5) Phenol-d5	7.09	99	25182	3.24	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.29	67	194458	36.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.50	132	134871	24.91	ng/ul	0.02
13) 4-Methylphenol-d8	8.67	113	99556	16.51	ng/ul	0.03
19) Nitrobenzene-d5	9.13	128	100706	39.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	120417	42.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.39	165	220728	34.22	ng/ul	0.02
29) 4-Chloroaniline-d4	10.94	131	19354m	2.71	ng/ul	0.05
43) Dimethylphthalate-d6	14.09	166	833646	23.92	ng/ul	0.10
46) Acenaphthylene-d8	14.28	160	977340	23.78	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
57) Fluorene-d10	15.57	176	732078	22.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.44	188	1208822	37.97	ng/ul	0.02
76) Pyrene-d10	19.72	212	1365777	37.59	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.70	264	1163624	38.13	ng/ul	0.00

Target Compounds

						Qvalue
14) Acetophenone	8.79	105	63670	6.01	ng/ul#	60
21) Isophorone	9.70	82	979930	60.54	ng/ul#	90
24) 2,4-Dimethylphenol	9.94	107	101450	11.95	ng/ul#	81
28) Naphthalene	10.82	128	27554633m	1443.44	ng/ul	
34) 2-Methylnaphthalene	12.42	142	4904890	331.44	ng/ul	99
39) 2,4,5-Trichlorophenol	13.11	196	10541546	1023.16	ng/ul	99
40) 1,1'-Biphenyl	13.42	154	710344	21.44	ng/ul	99
47) Acenaphthylene	14.31	152	123778	3.07	ng/ul#	67
49) Acenaphthene	14.65	153	1325797	47.56	ng/ul	96
53) Dibenzofuran	14.99	168	1983312	46.76	ng/ul	88
55) 2,3,4,6-Tetrachlorophenol	15.21	232	1040867	106.87	ng/ul#	90
58) Fluorene	15.63	166	1047642	30.13	ng/ul	98
68) Pentachlorophenol	17.02	266	13758893	2552.07	ng/ul	97
69) Phenanthrene	17.39	178	2939074	82.62	ng/ul	97
71) Anthracene	17.47	178	235837	6.45	ng/ul	95
72) Carbazole	17.75	167	5544540	170.39	ng/ul	98
74) Fluoranthene	19.38	202	195542	4.27	ng/ul	98
77) Pyrene	19.74	202	77187	1.74	ng/ul#	95

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

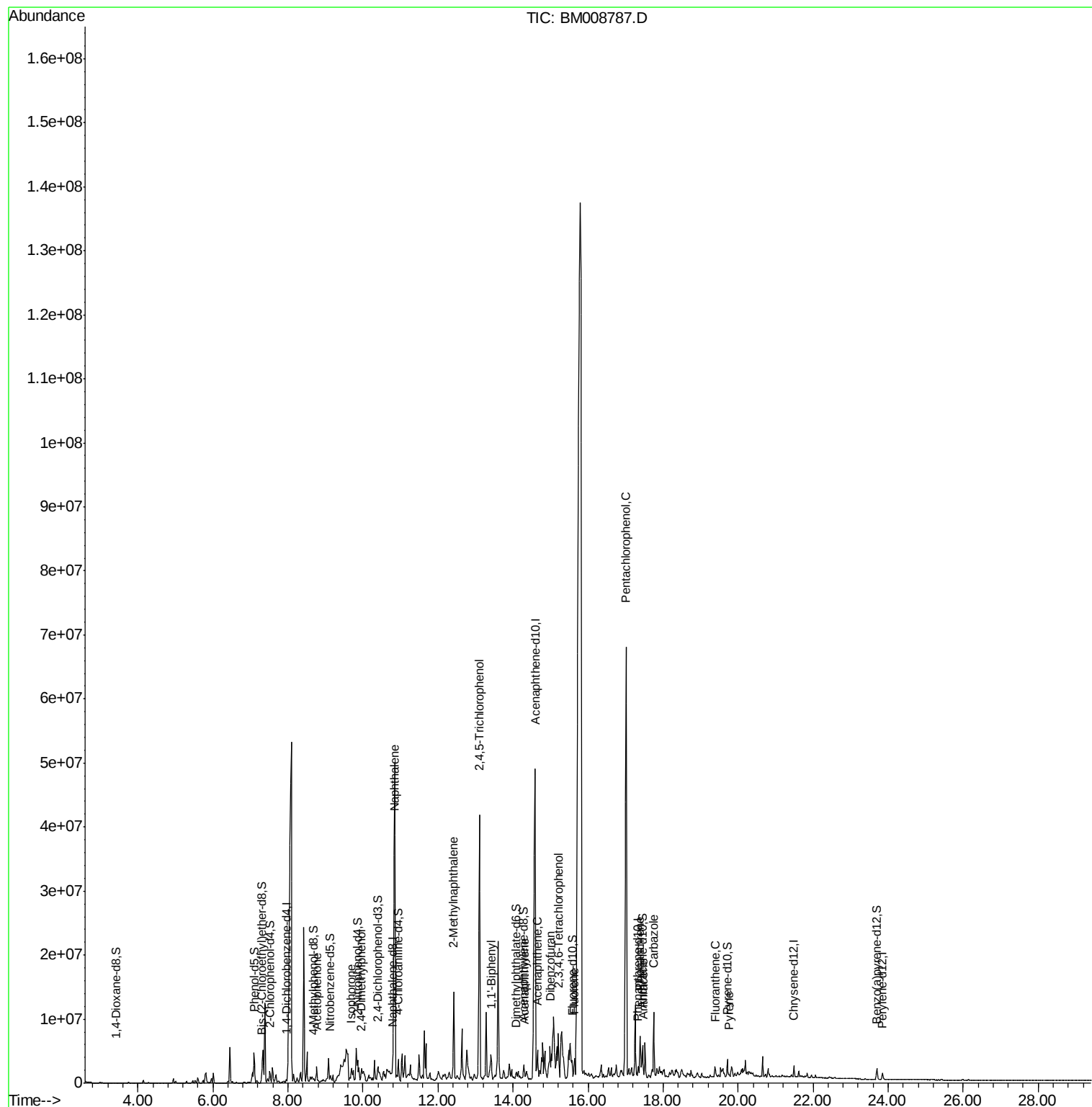
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012117\
Data File : BM008787.D
Acq On : 22 Jan 2017 01:01
Operator : UM/SJ
Sample : I1323-22
Misc :
ALS Vial : 18 Sample Multiplier: 1

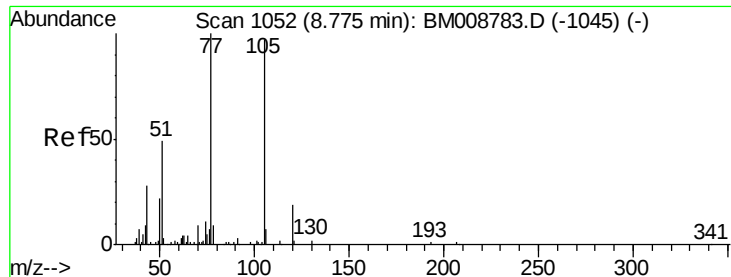
Instrument :
BNA_M
ClientSampleId :
DA9R7

Quant Time: Jan 23 10:39:33 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010617.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 23 04:58:16 2017
Response via : Initial Calibration

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#14

Acetophenone

Concen: 6.01 ng/ul

RT: 8.79 min Scan# 1054

Delta R.T. 0.01 min

Lab File: BM008787.D

Acq: 22 Jan 2017 01:01

Instrument :

BNA_M

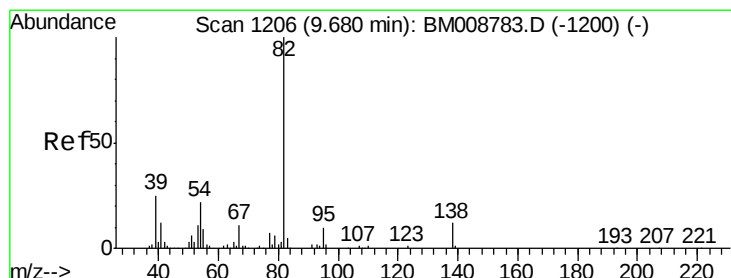
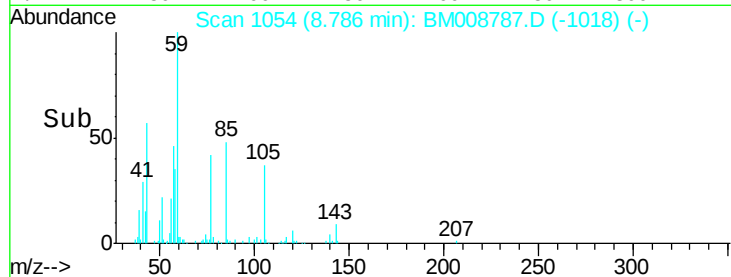
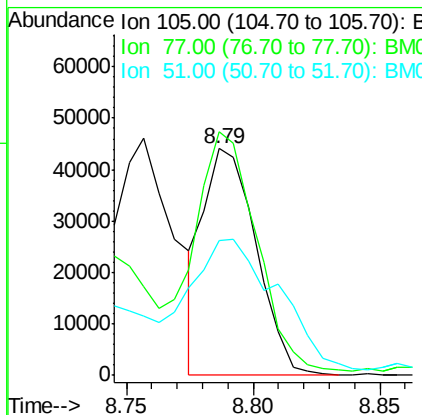
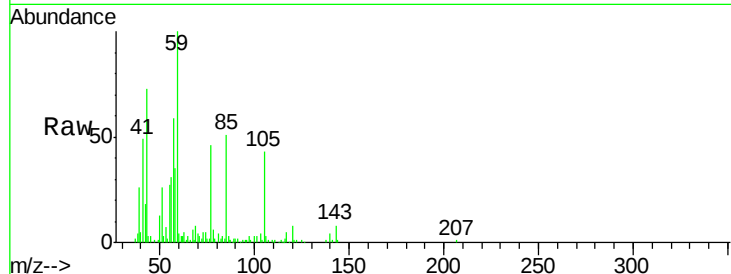
ClientSampled :

DA9R7

Tgt Ion:	105	Resp:	63670
Ion Ratio	Lower	Upper	
105	100		
77	107.5	64.2	96.4#
51	59.6	19.8	29.6#

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#21

Isophorone

Concen: 60.54 ng/ul

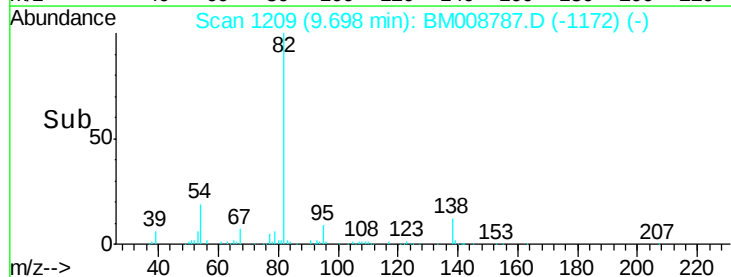
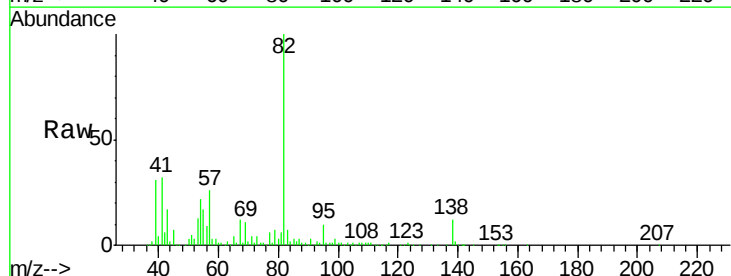
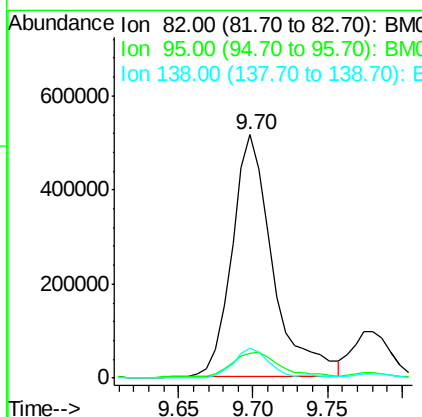
RT: 9.70 min Scan# 1209

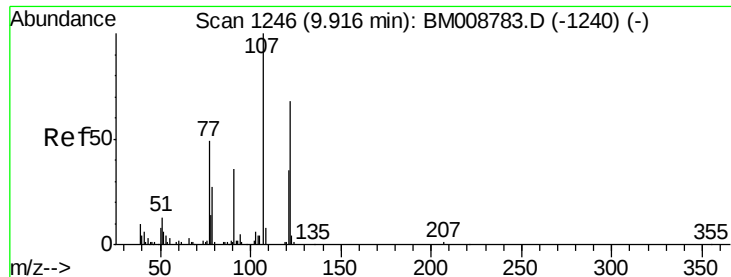
Delta R.T. 0.02 min

Lab File: BM008787.D

Acq: 22 Jan 2017 01:01

Tgt Ion:	82	Resp:	979930
Ion Ratio	Lower	Upper	
82	100		
95	10.4	6.1	9.1#
138	12.0	13.4	20.2#





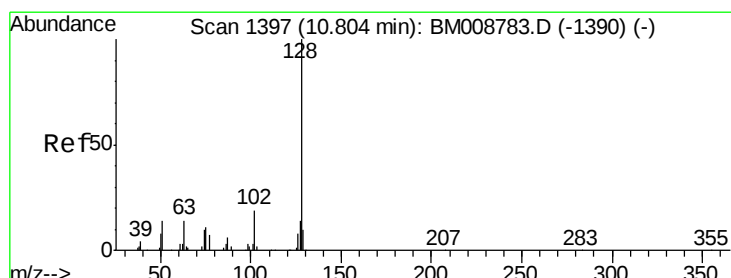
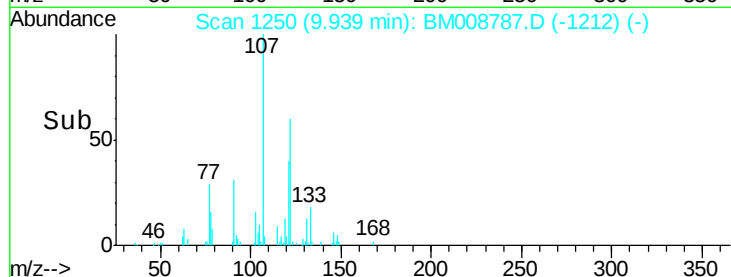
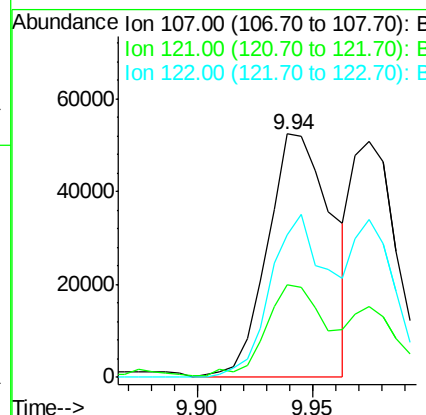
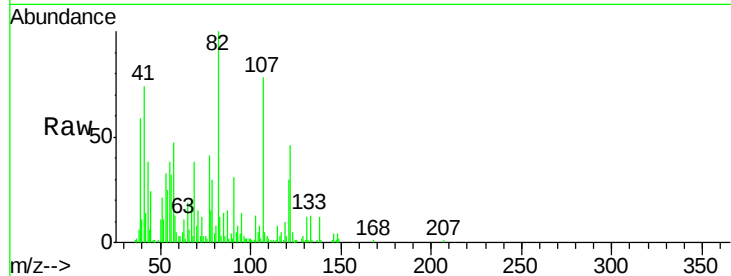
#24
2,4-Dimethylphenol
Concen: 11.95 ng/ul
RT: 9.94 min Scan# 1250
Delta R.T. 0.02 min
Lab File: BM008787.D
Acq: 22 Jan 2017 01:01

Instrument :
BNA_M
ClientSampleId :
DA9R7

Tgt Ion	Ratio	Lower	Upper
107	100		
121	38.2	38.0	57.0
122	58.6	62.2	93.2#

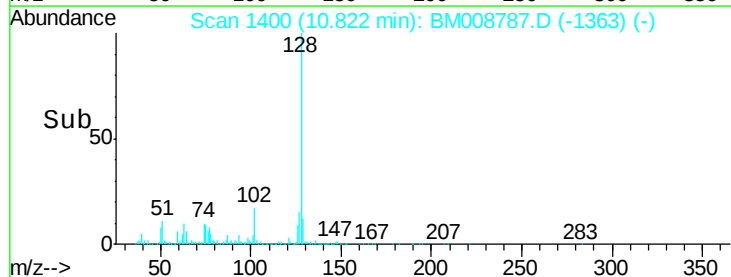
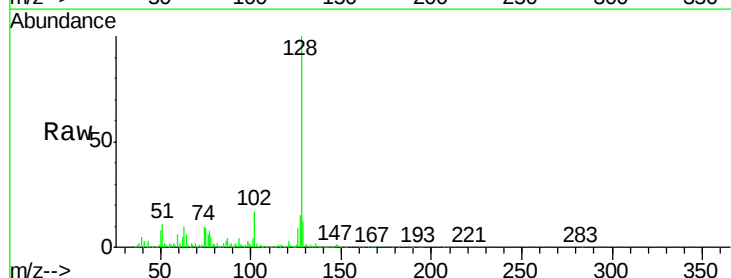
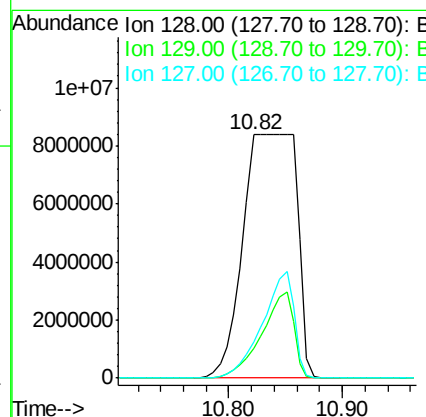
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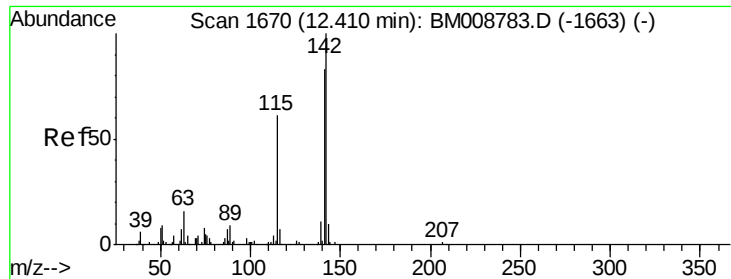
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#28
Naphthalene
Concen: 1443.44 ng/ul m
RT: 10.82 min Scan# 1400
Delta R.T. 0.02 min
Lab File: BM008787.D
Acq: 22 Jan 2017 01:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.3	12.5
127	14.7	10.6	16.0





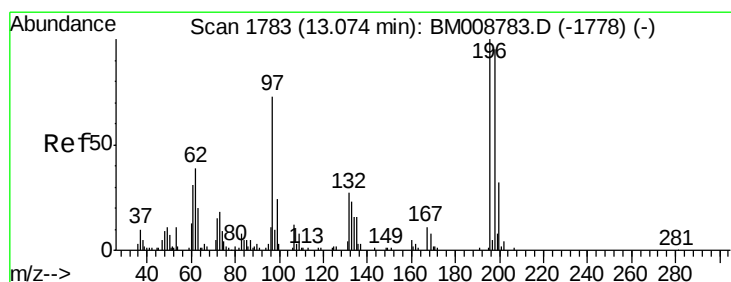
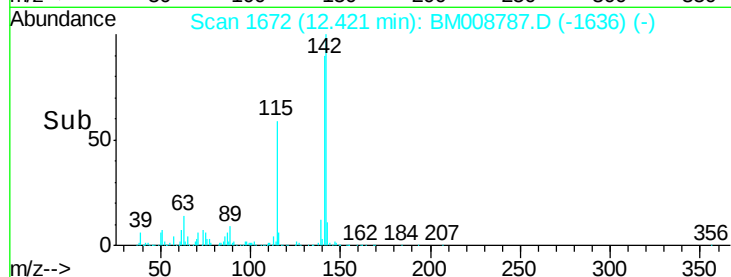
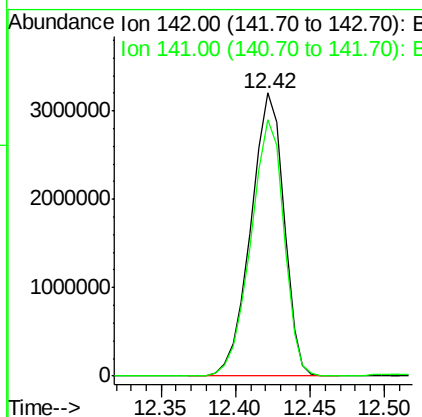
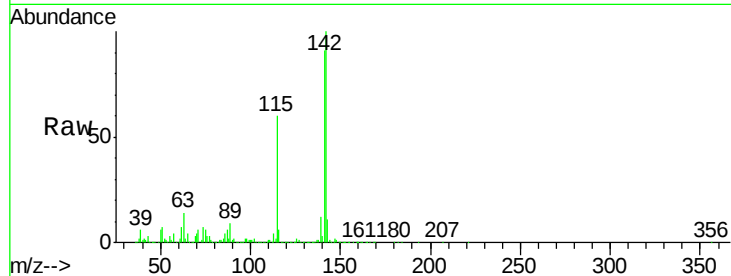
#34
2-Methylnaphthalene
Concen: 331.44 ng/ul
RT: 12.42 min Scan# 1672
Delta R.T. 0.01 min
Lab File: BM008787.D
Acq: 22 Jan 2017 01:01

Instrument :
BNA_M
ClientSampleId :
DA9R7

Tgt Ion:142 Resp: 4904890
Ion Ratio Lower Upper
142 100
141 90.5 73.0 109.4

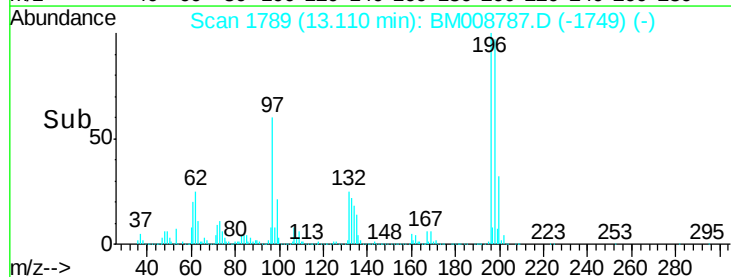
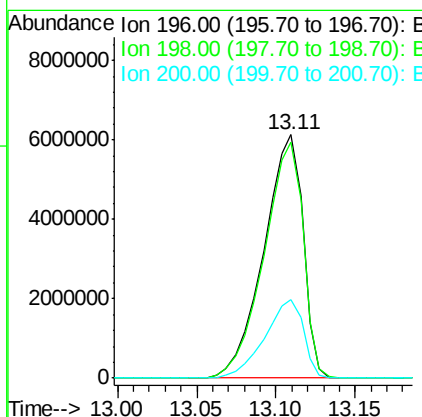
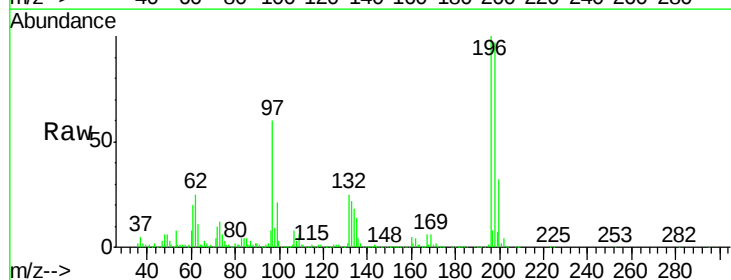
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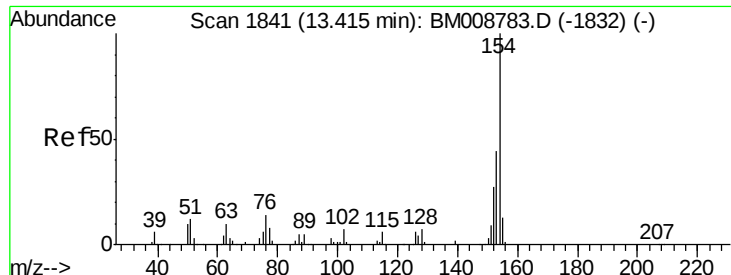
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#39
2,4,5-Trichlorophenol
Concen: 1023.16 ng/ul
RT: 13.11 min Scan# 1789
Delta R.T. 0.04 min
Lab File: BM008787.D
Acq: 22 Jan 2017 01:01

Tgt Ion:196 Resp:10541546
Ion Ratio Lower Upper
196 100
198 97.0 77.8 116.6
200 32.4 23.6 35.4





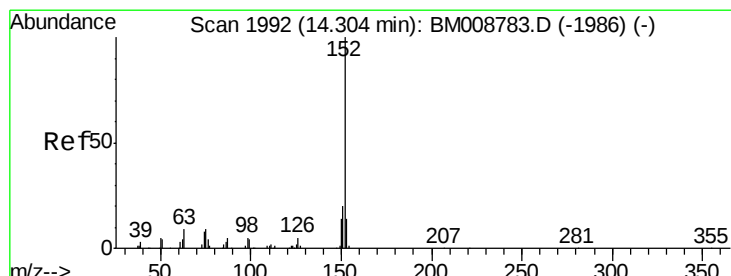
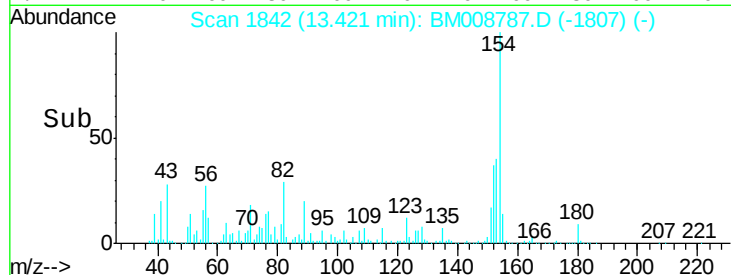
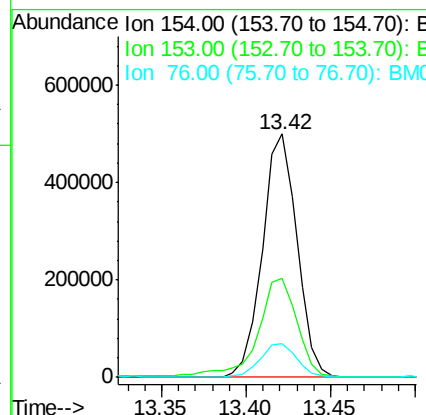
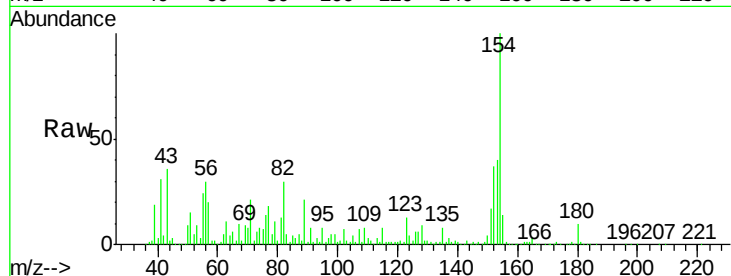
#40
 1,1'-Biphenyl
 Concen: 21.44 ng/ul
 RT: 13.42 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: BM008787.D
 Acq: 22 Jan 2017 01:01

Instrument :
 BNA_M
 ClientSampleId :
 DA9R7

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.5	32.2	48.4
76	13.8	9.8	14.6

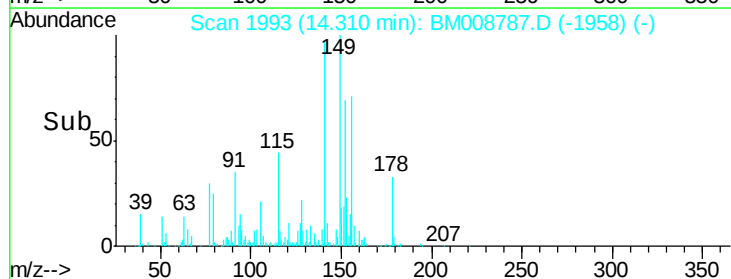
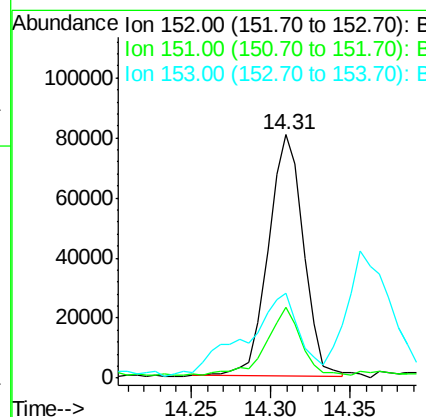
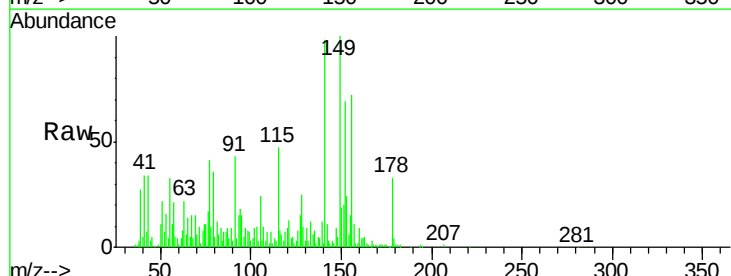
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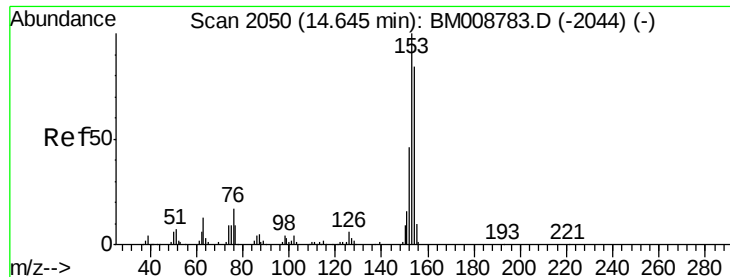
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#47
 Acenaphthylene
 Concen: 3.07 ng/ul
 RT: 14.31 min Scan# 1993
 Delta R.T. 0.01 min
 Lab File: BM008787.D
 Acq: 22 Jan 2017 01:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	29.0	16.0	24.0#
153	34.8	10.4	15.6#





#49

Acenaphthene

Concen: 47.56 ng/ul

RT: 14.65 min Scan# 2051

Delta R.T. 0.01 min

Lab File: BM008787.D

Acq: 22 Jan 2017 01:01

Instrument :

BNA_M

ClientSampleId :

DA9R7

Tgt Ion:153 Resp: 1325797

Ion Ratio Lower Upper

153 100

152 50.1 36.4 54.6

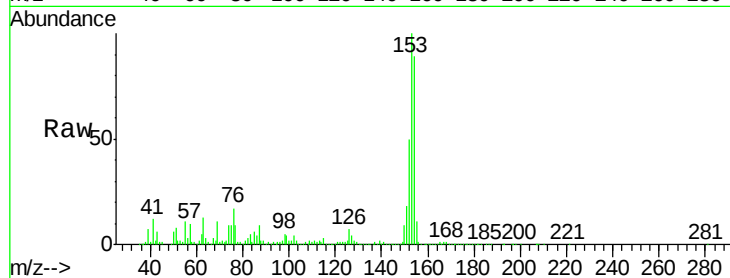
154 88.5 68.7 103.1

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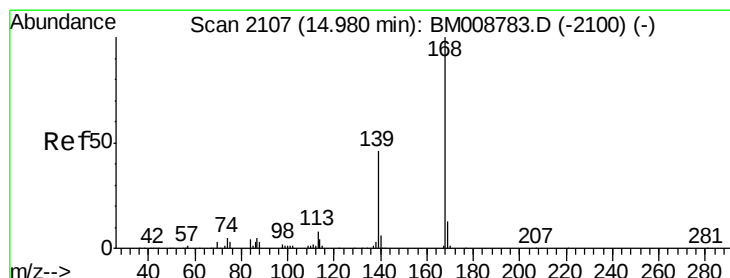
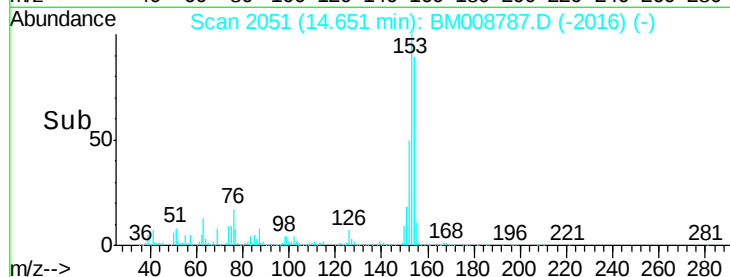
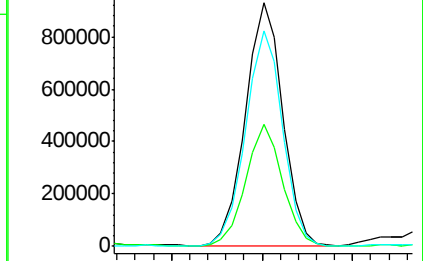
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 46.76 ng/ul

RT: 14.99 min Scan# 2108

Delta R.T. 0.01 min

Lab File: BM008787.D

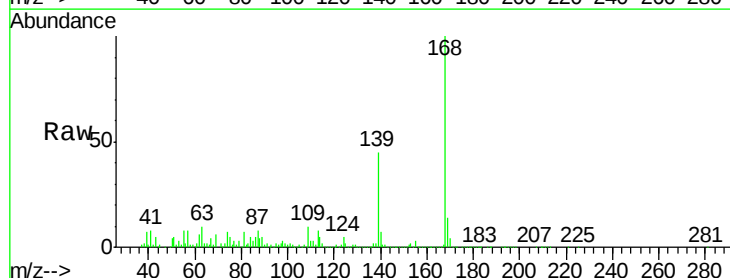
Acq: 22 Jan 2017 01:01

Tgt Ion:168 Resp: 1983312

Ion Ratio Lower Upper

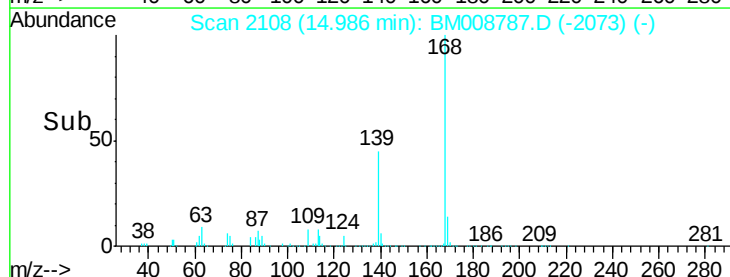
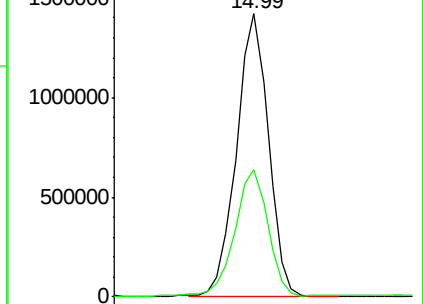
168 100

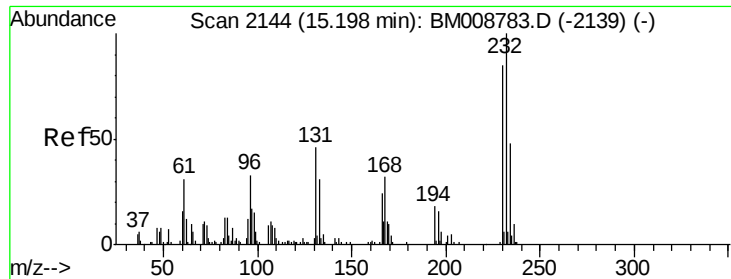
139 44.8 30.3 45.5



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: 106.87 ng/ul

RT: 15.21 min Scan# 2146

Delta R.T. 0.01 min

Lab File: BM008787.D

Acq: 22 Jan 2017 01:01

Instrument :

BNA_M

ClientSampleId :

DA9R7

Tgt Ion:232 Resp: 1040867
Ion Ratio Lower Upper

232 100

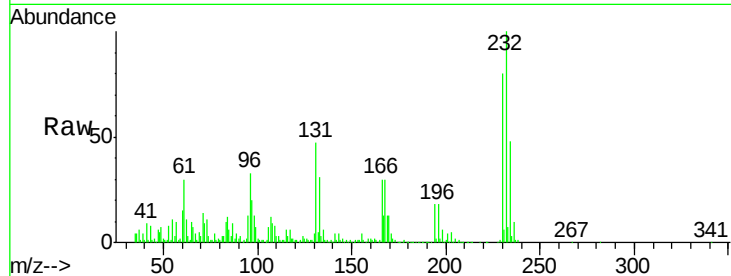
131 47.3 31.8 47.8

130 3.9 1.8 2.6#

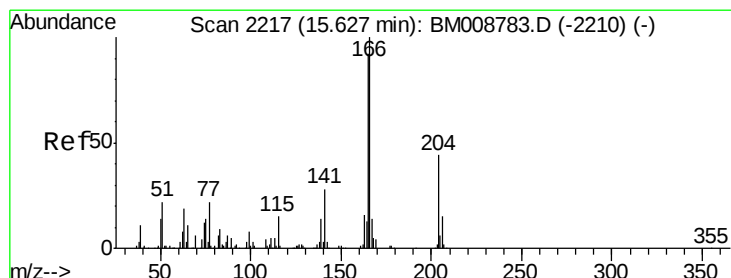
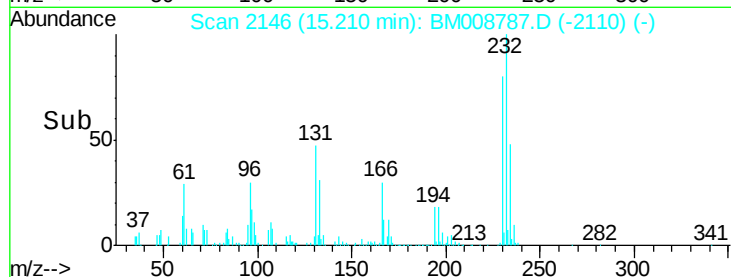
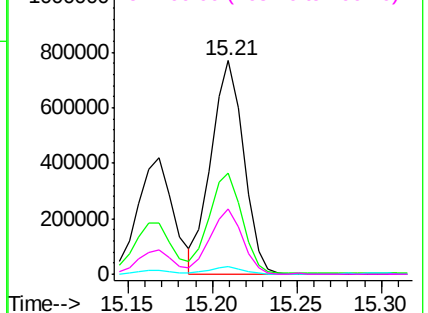
166 30.4 21.6 32.4

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Abundance Ion 232.00 (231.70 to 232.70): E
1200000
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: 30.13 ng/ul

RT: 15.63 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BM008787.D

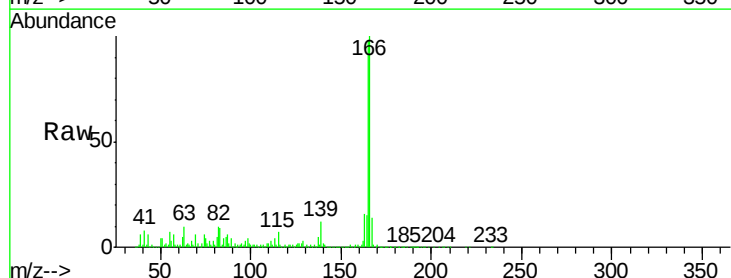
Acq: 22 Jan 2017 01:01

Tgt Ion:166 Resp: 1047642
Ion Ratio Lower Upper

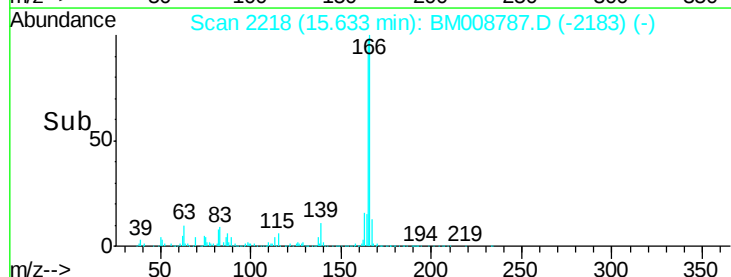
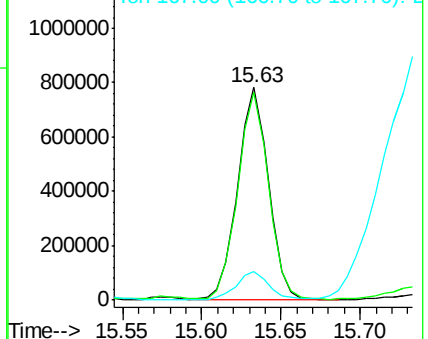
166 100

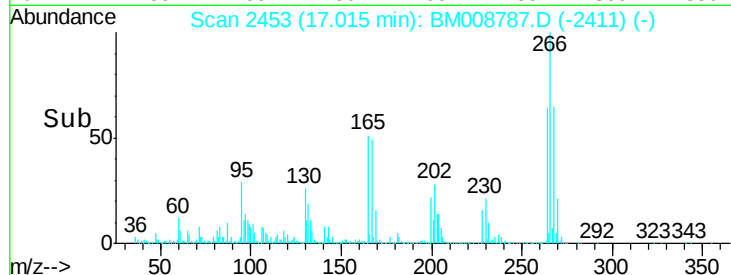
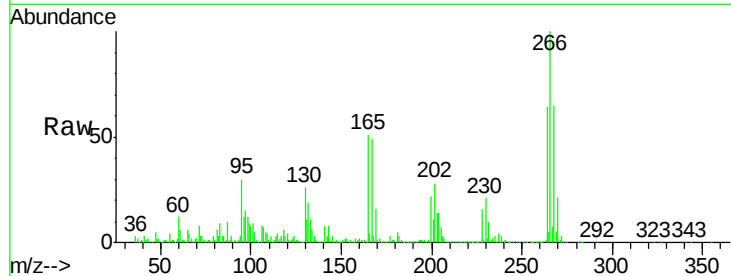
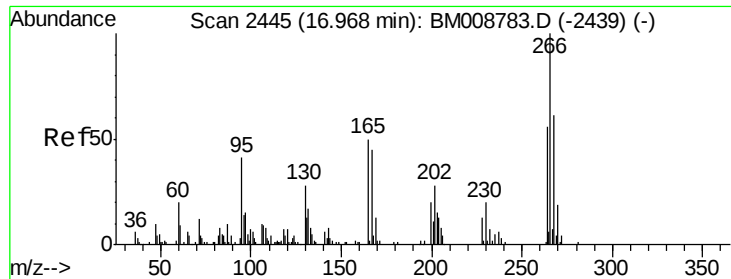
165 98.0 80.2 120.2

167 13.7 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
1200000
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





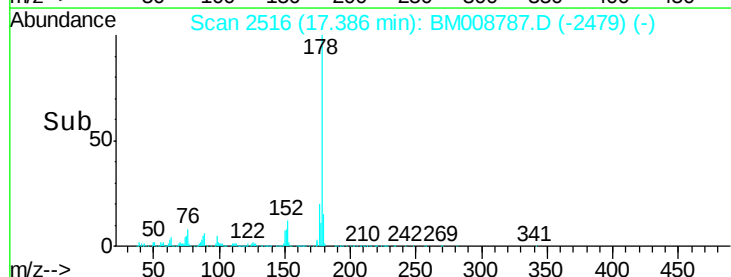
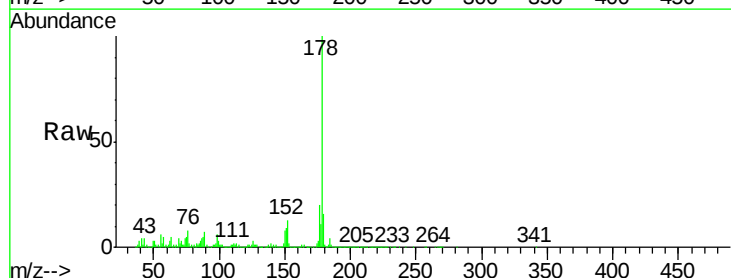
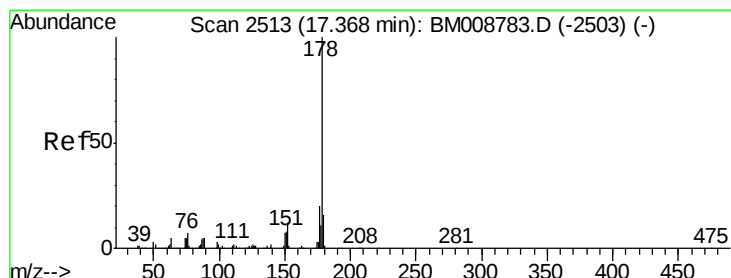
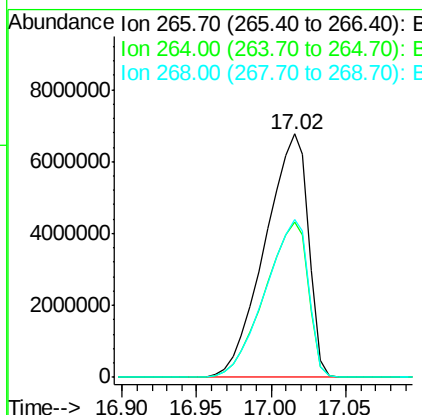
#68
 Pentachlorophenol
 Concen: 2552.07 ng/ul
 RT: 17.02 min Scan# 2453
 Delta R.T. 0.05 min
 Lab File: BM008787.D
 Acq: 22 Jan 2017 01:01

Tgt Ion:266 Resp:13758893
 Ion Ratio Lower Upper
 266 100
 264 63.5 50.6 75.8
 268 65.1 49.1 73.7

Instrument :
 BNA_M
 ClientSampleId :
 DA9R7

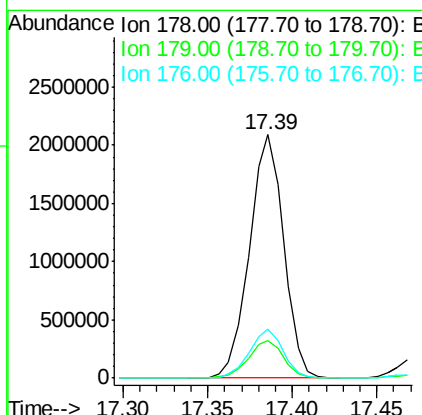
Manual Integrations
 APPROVED

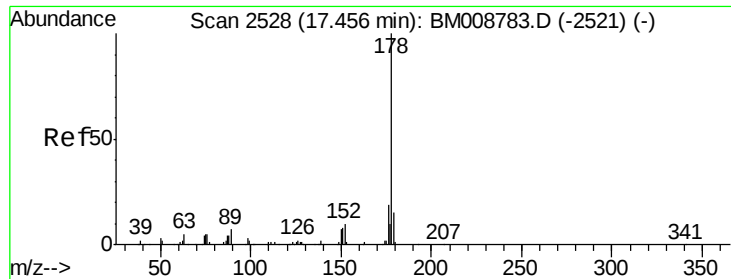
mohammad
 1/23/2017 2:49:06 PM



#69
 Phenanthrene
 Concen: 82.62 ng/ul
 RT: 17.39 min Scan# 2516
 Delta R.T. 0.02 min
 Lab File: BM008787.D
 Acq: 22 Jan 2017 01:01

Tgt Ion:178 Resp: 2939074
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.2 18.2
 176 20.1 14.7 22.1





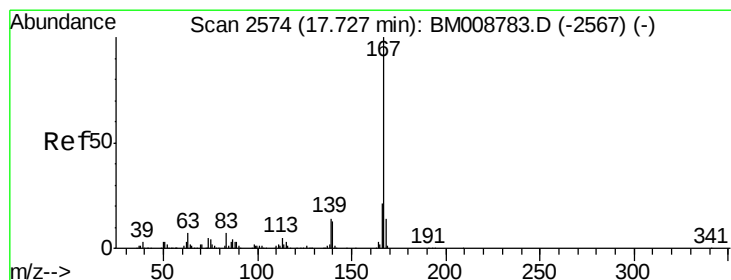
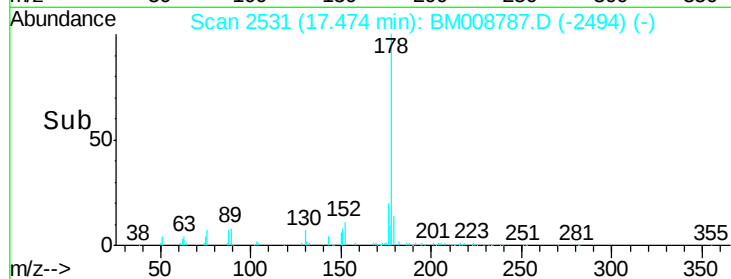
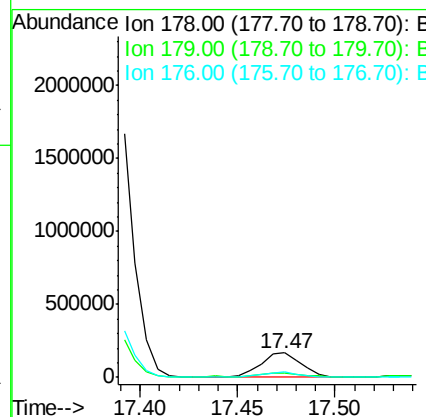
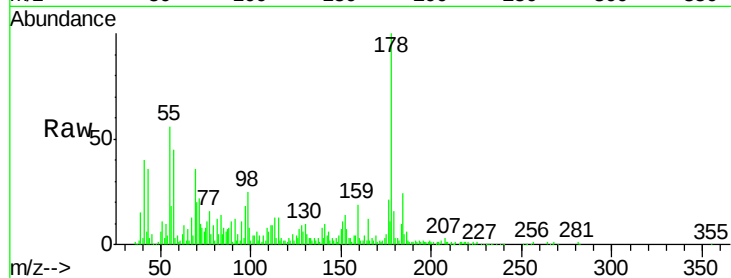
#71
 Anthracene
 Concen: 6.45 ng/ul
 RT: 17.47 min Scan# 2531
 Delta R.T. 0.02 min
 Lab File: BM008787.D
 Acq: 22 Jan 2017 01:01

Instrument :
 BNA_M
 ClientSampleId :
 DA9R7

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	11.8	17.8
176	21.2	14.6	21.8

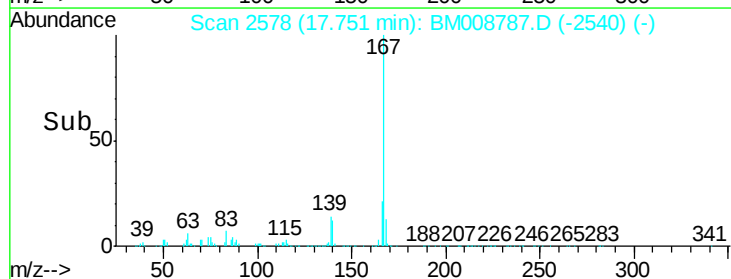
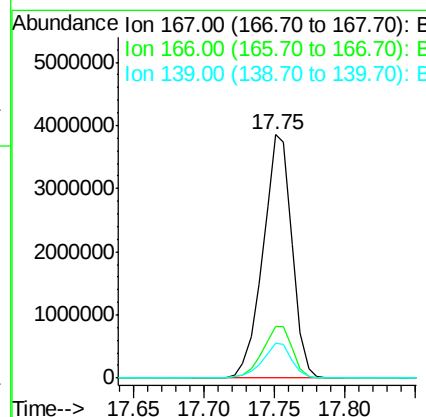
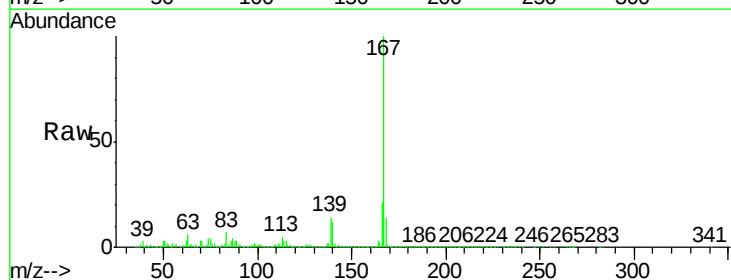
Manual Integrations
 APPROVED

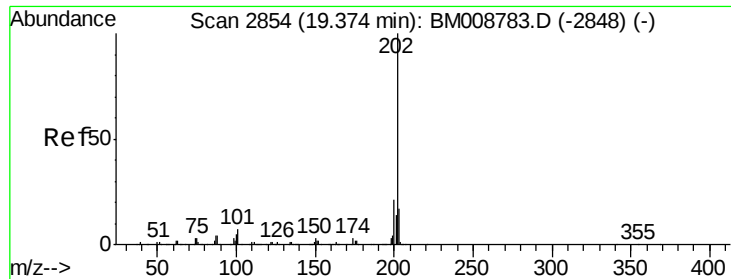
mohammad
 1/23/2017 2:49:06 PM



#72
 Carbazole
 Concen: 170.39 ng/ul
 RT: 17.75 min Scan# 2578
 Delta R.T. 0.02 min
 Lab File: BM008787.D
 Acq: 22 Jan 2017 01:01

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.8	25.2
139	14.2	10.4	15.6





#74

Fluoranthene

Concen: 4.27 ng/ul

RT: 19.38 min Scan# 2855

Delta R.T. 0.01 min

Lab File: BM008787.D

Acq: 22 Jan 2017 01:01

Instrument :

BNA_M

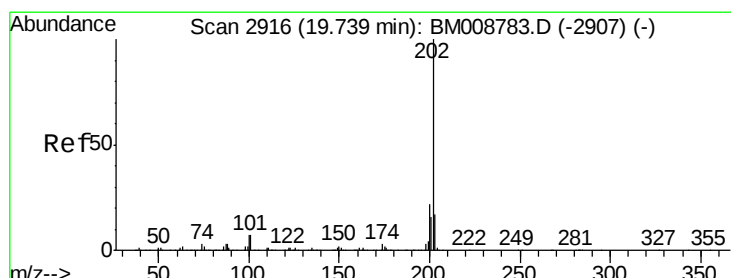
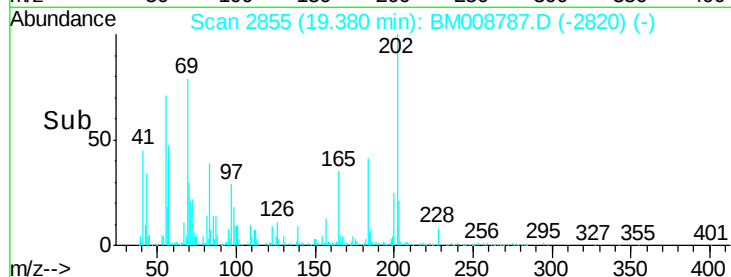
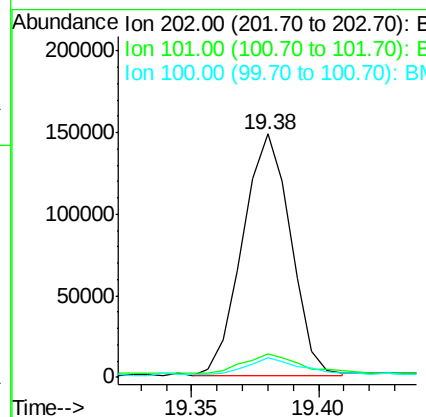
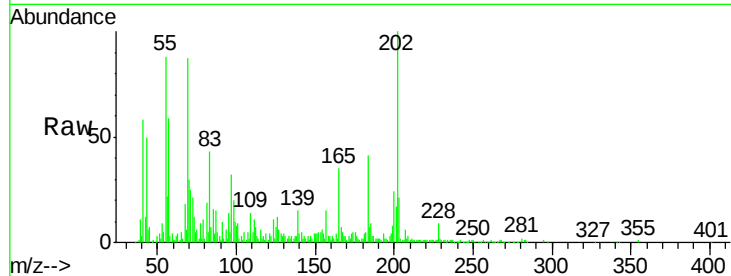
ClientSampleId :

DA9R7

Tgt Ion:	202	Resp:	195542
Ion Ratio	Lower	Upper	
202	100		
101	9.4	7.1	10.7
100	8.0	5.4	8.0

Manual Integrations
APPROVED

mohammad
1/23/2017 2:49:06 PM



#77

Pyrene

Concen: 1.74 ng/ul

RT: 19.74 min Scan# 2917

Delta R.T. 0.01 min

Lab File: BM008787.D

Acq: 22 Jan 2017 01:01

Tgt Ion:	202	Resp:	77187
Ion Ratio	Lower	Upper	
202	100		
101	10.9	8.6	12.8
100	12.3	6.5	9.7#

