

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
 Data File : BM008829.D
 Acq On : 24 Jan 2017 07:44
 Operator : UM/SJ
 Sample : I1323-22
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA9R7

Manual Integrations
 APPROVED

mohammad
 1/24/2017 5:17:52 PM

Quant Time: Jan 24 10:51:28 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM012317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 24 04:28:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	87462	20.00	ng/ul	0.00
18) Naphthalene-d8	10.76	136	410631	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.58	164	561236	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.34	188	683699	20.00	ng/ul	0.02
75) Chrysene-d12	21.49	240	683994	20.00	ng/ul	0.00
83) Perylene-d12	23.85	264	594612	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	2498m	1.41	ng/uL	0.01
5) Phenol-d5	7.06	99	25812	3.48	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.27	67	219453	37.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.50	132	137336	28.46	ng/ul	0.03
13) 4-Methylphenol-d8	8.66	113	109433	18.87	ng/ul	0.04
19) Nitrobenzene-d5	9.11	128	109342	41.87	ng/ul	0.00
22) 2-Nitrophenol-d4	9.83	143	136707	43.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	241675	36.34	ng/ul	0.03
29) 4-Chloroaniline-d4	10.93	131	7329	1.01	ng/ul	0.05
43) Dimethylphthalate-d6	14.07	166	860283	23.40	ng/ul	0.09
46) Acenaphthylene-d8	14.27	160	1043446	23.98	ng/ul	0.00
51) 4-Nitrophenol-d4	14.85	143	28224m	4.59	ng/ul	0.09
57) Fluorene-d10	15.57	176	795529	22.78	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.43	188	1241084	41.51	ng/ul	0.02
76) Pyrene-d10	19.71	212	1277362	42.58	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.70	264	996705	39.58	ng/ul	0.00

Target Compounds

						Qvalue
14) Acetophenone	8.78	105	79636	7.49	ng/ul#	62
21) Isophorone	9.69	82	774495	41.67	ng/ul#	88
24) 2,4-Dimethylphenol	9.93	107	97673	10.40	ng/ul#	83
28) Naphthalene	10.82	128	30878761m	1628.81	ng/ul	
34) 2-Methylnaphthalene	12.42	142	5738837	372.85	ng/ul	99
39) 2,4,5-Trichlorophenol	13.10	196	12546900	1122.61	ng/ul	98
40) 1,1'-Biphenyl	13.41	154	815658	23.51	ng/ul	97
47) Acenaphthylene	14.30	152	137205	3.27	ng/ul#	80
49) Acenaphthene	14.64	153	1444755	49.00	ng/ul	97
53) Dibenzofuran	14.98	168	2153030	47.48	ng/ul#	86
55) 2,3,4,6-Tetrachlorophenol	15.20	232	1121554	99.92	ng/ul#	91
58) Fluorene	15.63	166	1091752	28.81	ng/ul	97
68) Pentachlorophenol	17.02	266	14555725	2754.07	ng/ul	96
69) Phenanthrene	17.38	178	3062424	90.94	ng/ul	98
71) Anthracene	17.47	178	231562	6.72	ng/ul	96
72) Carbazole	17.75	167	5434462	179.91	ng/ul	98
74) Fluoranthene	19.37	202	186748	4.27	ng/ul	99
77) Pyrene	19.74	202	74996	2.04	ng/ul	98

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

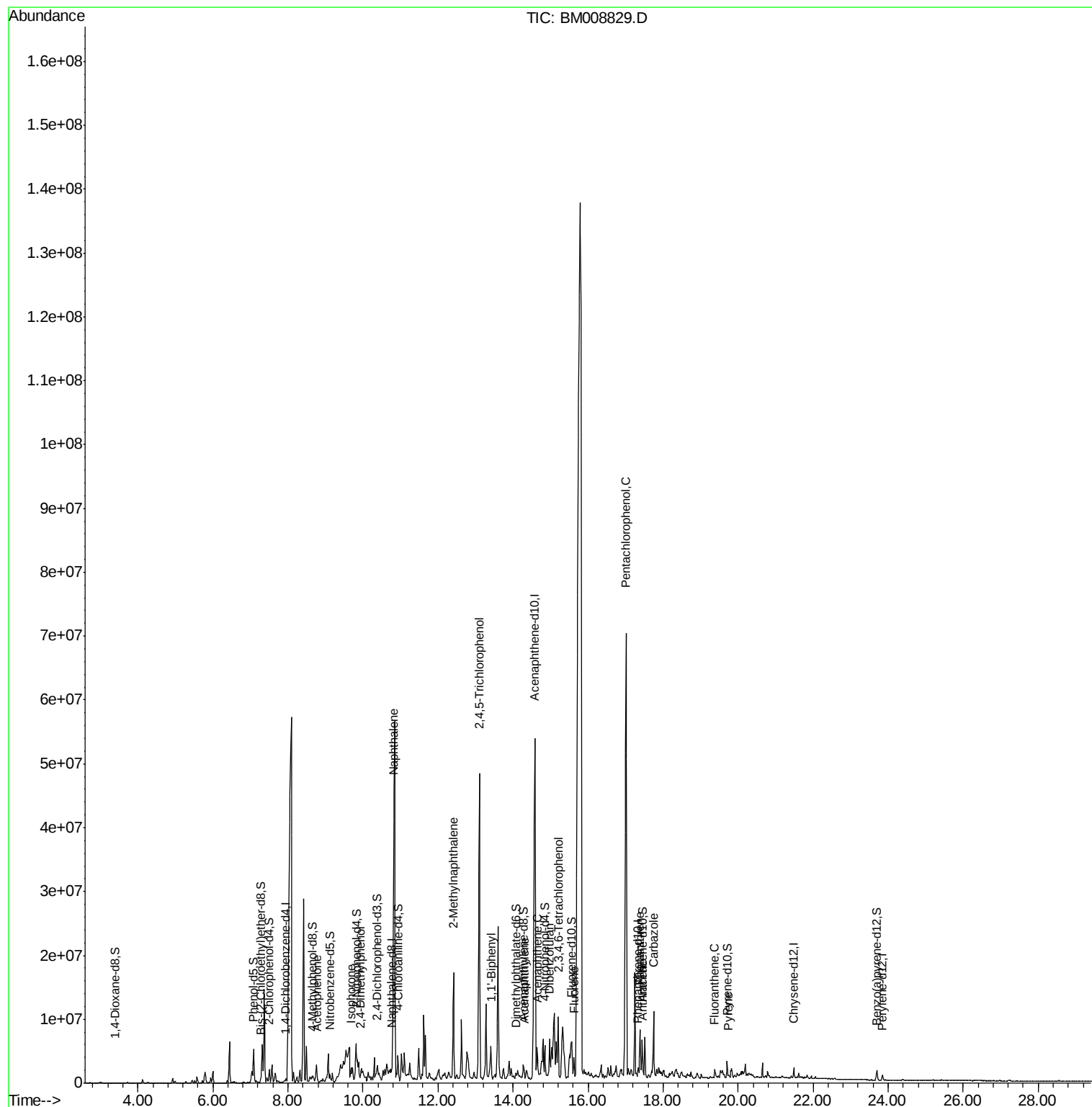
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012317\
Data File : BM008829.D
Acq On : 24 Jan 2017 07:44
Operator : UM/SJ
Sample : I1323-22
Misc :
ALS Vial : 29 Sample Multiplier: 1

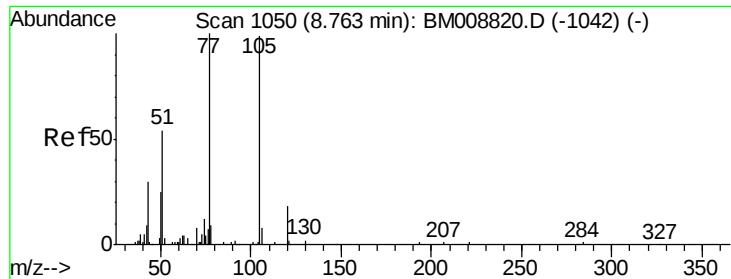
Instrument :
BNA_M
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#14

Acetophenone

Concen: 7.49 ng/ul

RT: 8.78 min Scan# 1053

Delta R.T. 0.02 min

Lab File: BM008829.D

Acq: 24 Jan 2017 07:44

Instrument :

BNA_M

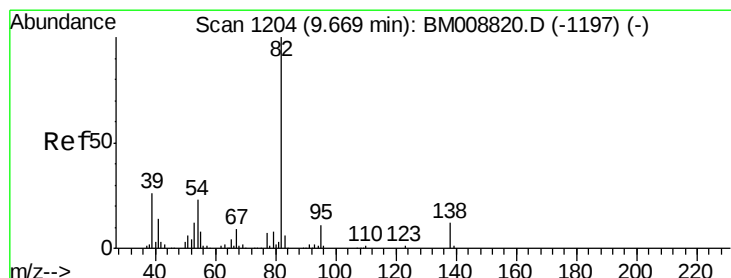
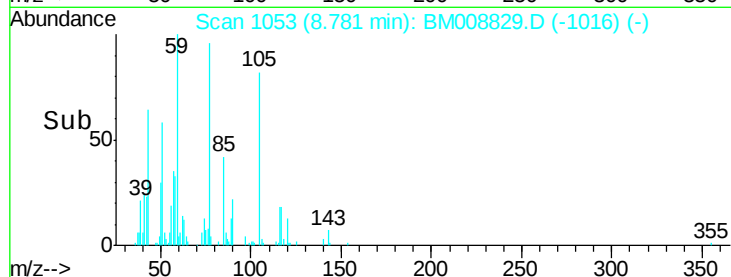
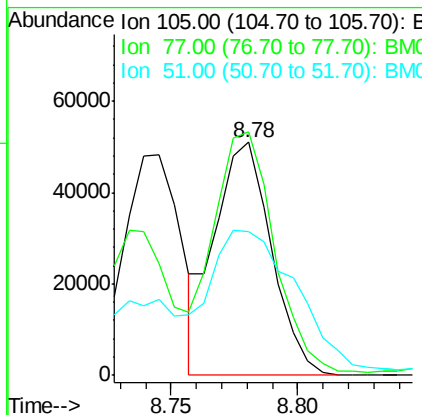
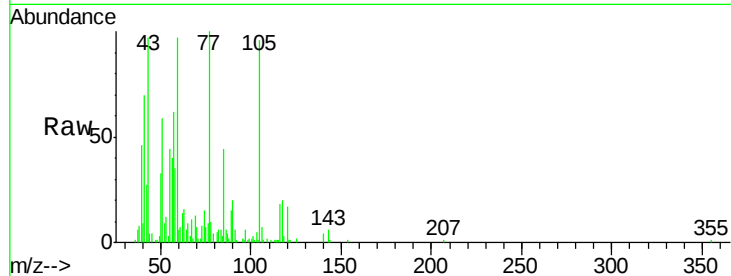
ClientSampleId :

DA9R7

Tgt Ion:	105	Resp:	79636
Ion Ratio	Lower	Upper	
105	100		
77	104.6	64.2	96.4#
51	61.5	19.8	29.6#

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#21

Isophorone

Concen: 41.67 ng/ul

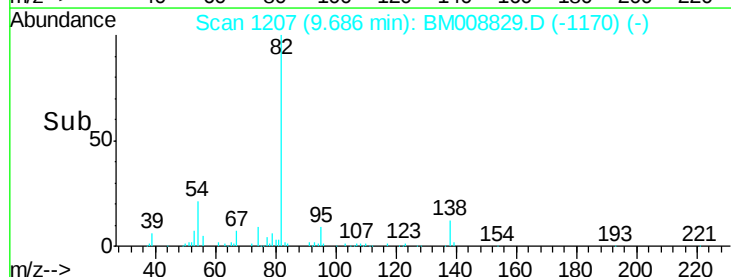
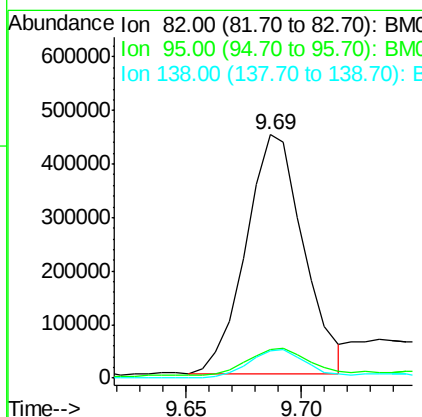
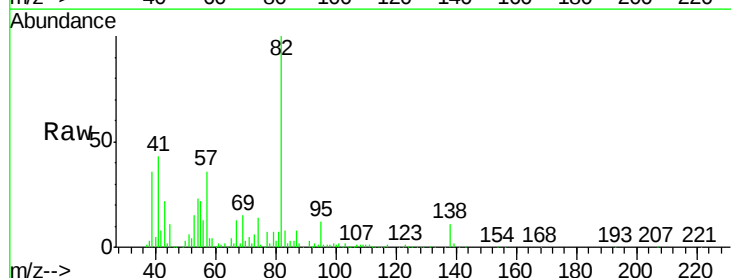
RT: 9.69 min Scan# 1207

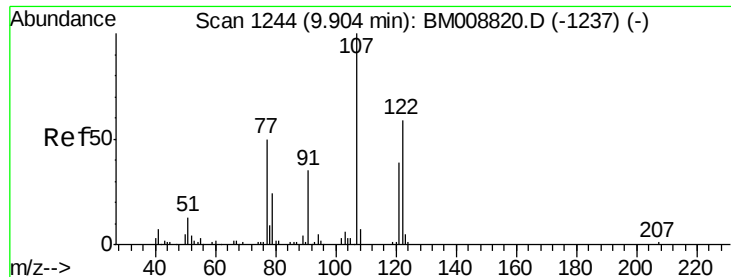
Delta R.T. 0.02 min

Lab File: BM008829.D

Acq: 24 Jan 2017 07:44

Tgt Ion:	82	Resp:	774495
Ion Ratio	Lower	Upper	
82	100		
95	11.8	6.1	9.1#
138	11.4	13.4	20.2#





#24

2,4-Dimethylphenol

Concen: 10.40 ng/ul

RT: 9.93 min Scan# 1249

Delta R.T. 0.03 min

Lab File: BM008829.D

Acq: 24 Jan 2017 07:44

Instrument :

BNA_M

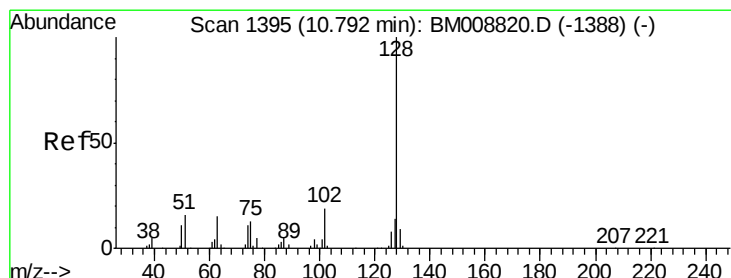
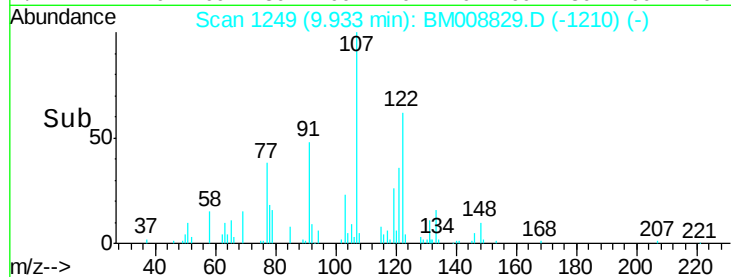
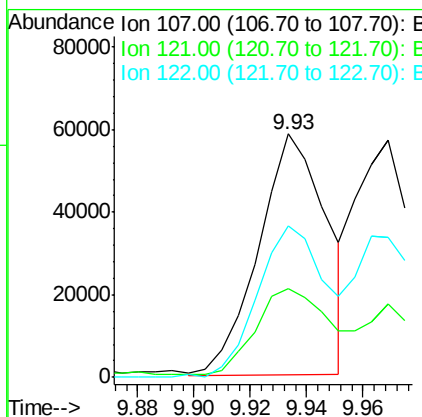
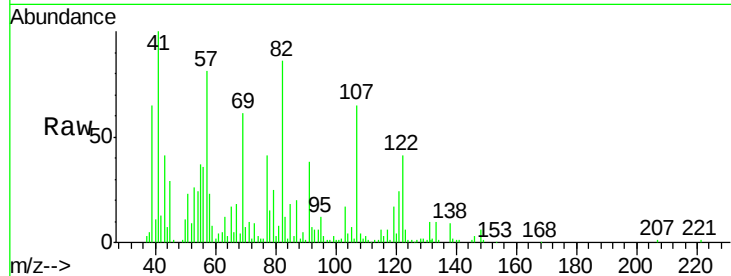
ClientSampleId :

DA9R7

Tgt Ion	Ratio	Lower	Upper
107	100		
121	36.2	38.0	57.0#
122	62.2	62.2	93.2

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#28

Naphthalene

Concen: 1628.81 ng/ul m

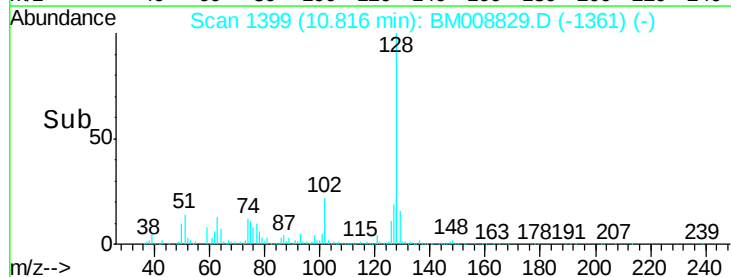
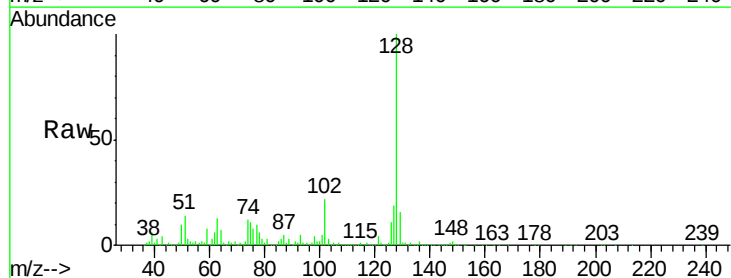
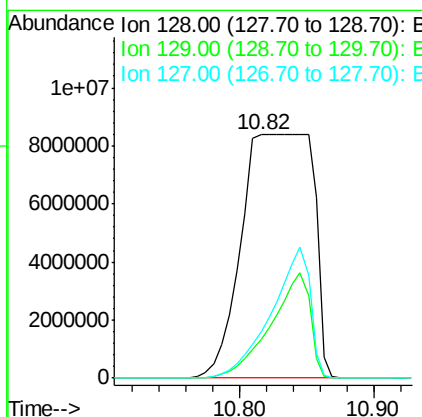
RT: 10.82 min Scan# 1399

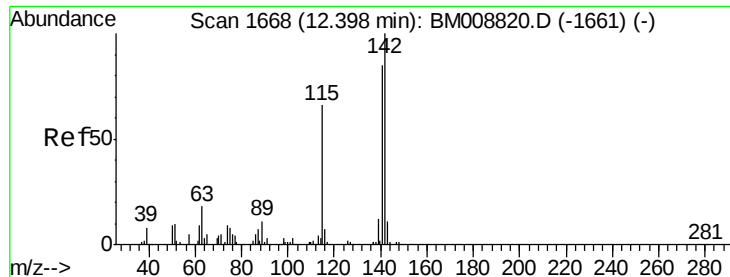
Delta R.T. 0.02 min

Lab File: BM008829.D

Acq: 24 Jan 2017 07:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	16.0	8.3	12.5#
127	18.9	10.6	16.0#





#34

2-Methylnaphthalene

Concen: 372.85 ng/ul

RT: 12.42 min Scan# 1671

Delta R.T. 0.02 min

Lab File: BM008829.D

Acq: 24 Jan 2017 07:44

Instrument :

BNA_M

ClientSampleId :

DA9R7

Tgt Ion:142 Resp: 5738837

Ion Ratio Lower Upper

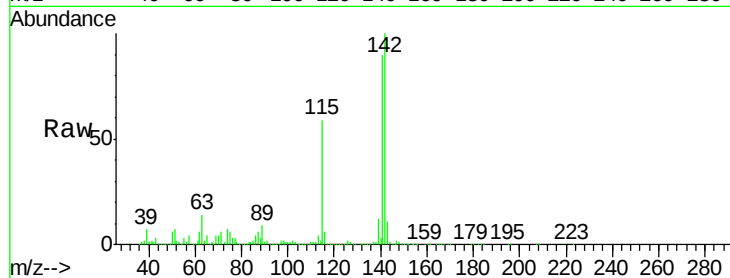
142 100

141 90.2 73.0 109.4

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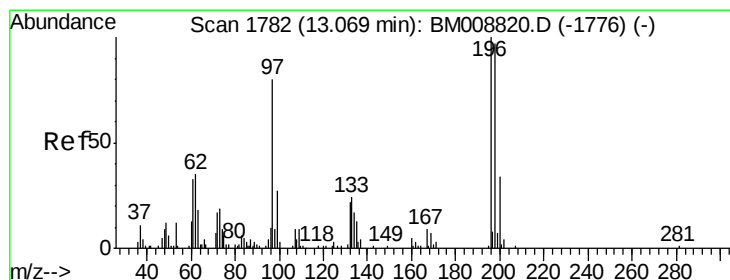
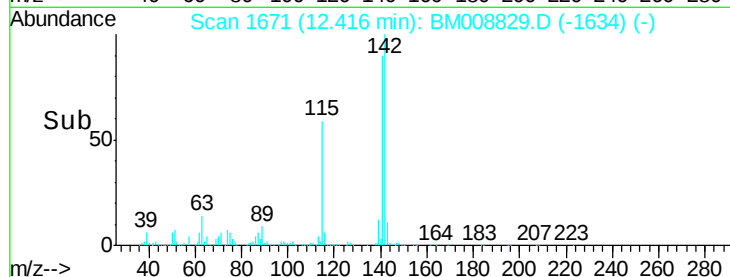
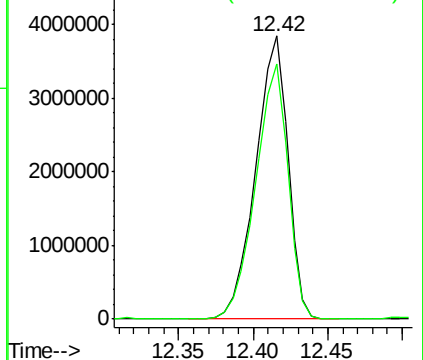
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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#39

2,4,5-Trichlorophenol

Concen: 1122.61 ng/ul

RT: 13.10 min Scan# 1788

Delta R.T. 0.04 min

Lab File: BM008829.D

Acq: 24 Jan 2017 07:44

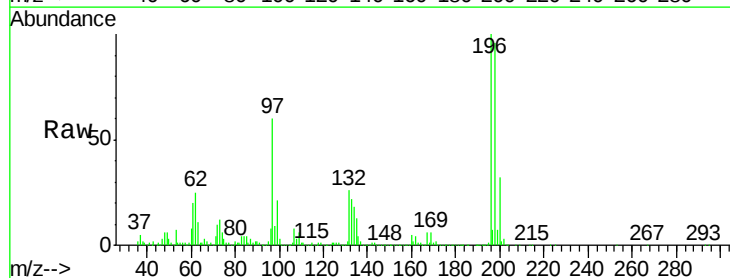
Tgt Ion:196 Resp:12546900

Ion Ratio Lower Upper

196 100

198 96.3 77.8 116.6

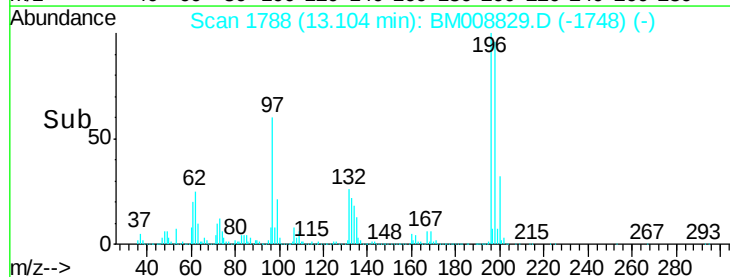
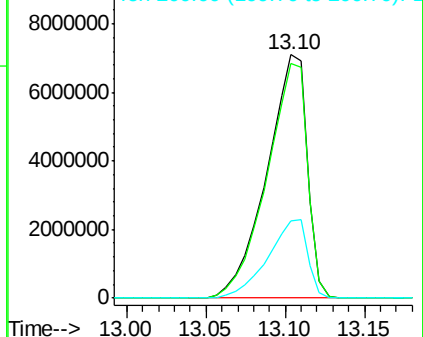
200 31.8 23.6 35.4

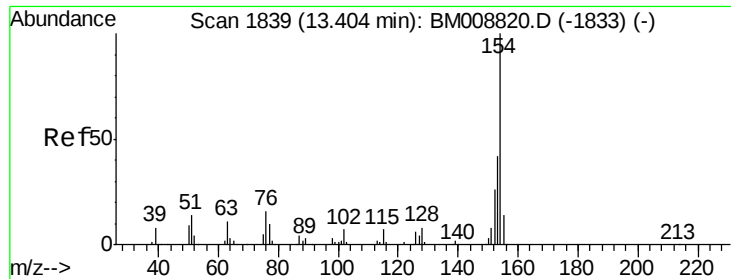


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





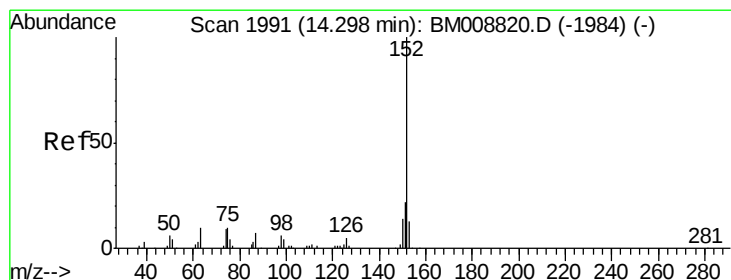
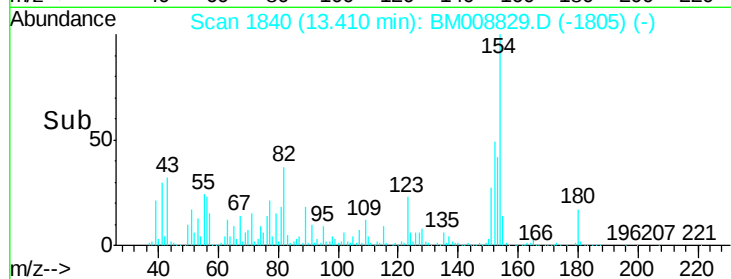
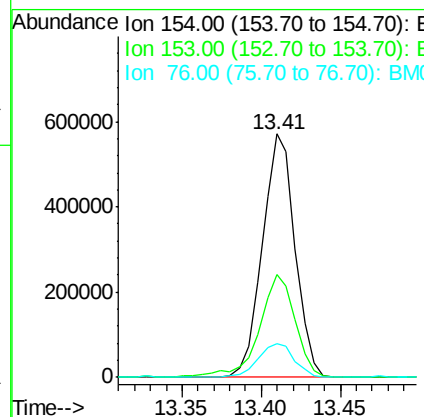
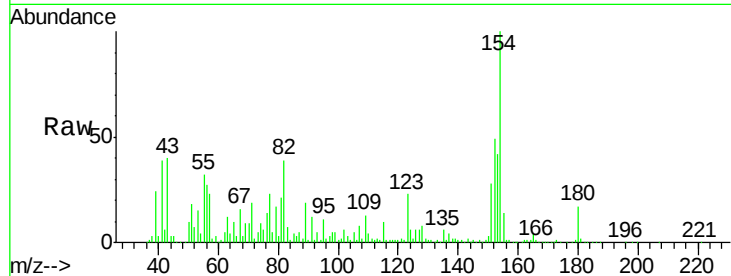
#40
1,1'-Biphenyl
Concen: 23.51 ng/ul
RT: 13.41 min Scan# 1840
Delta R.T. 0.01 min
Lab File: BM008829.D
Acq: 24 Jan 2017 07:44

Instrument :
BNA_M
ClientSampleId :
DA9R7

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.0	32.2	48.4
76	13.8	9.8	14.6

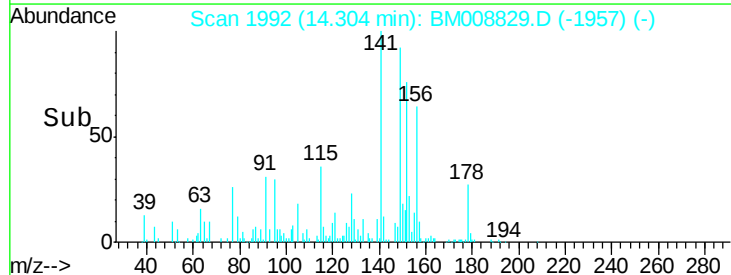
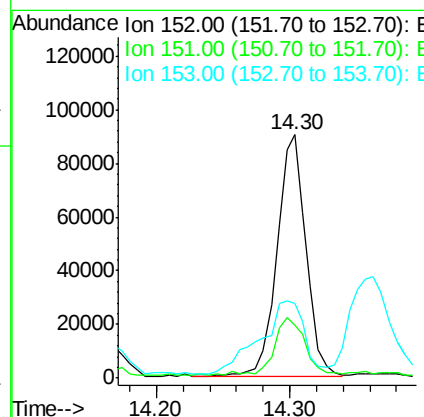
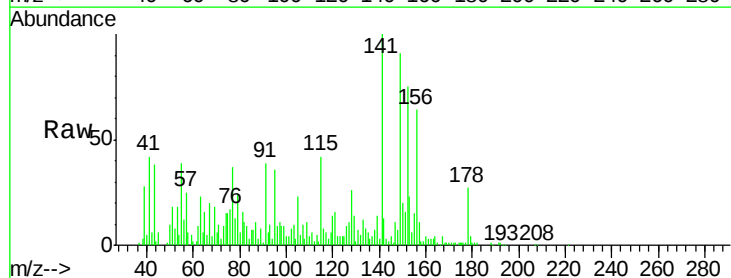
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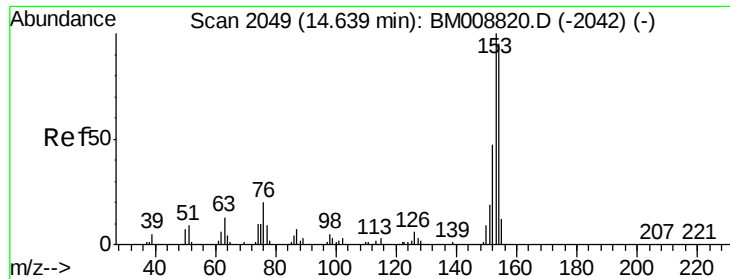
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#47
Acenaphthylene
Concen: 3.27 ng/ul
RT: 14.30 min Scan# 1992
Delta R.T. 0.01 min
Lab File: BM008829.D
Acq: 24 Jan 2017 07:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.0	24.0
153	30.7	10.4	15.6





#49

Acenaphthene

Concen: 49.00 ng/ul

RT: 14.64 min Scan# 2050

Delta R.T. 0.01 min

Lab File: BM008829.D

Acq: 24 Jan 2017 07:44

Instrument :

BNA_M

ClientSampleId :

DA9R7

Tgt Ion:153 Resp: 1444755

Ion Ratio Lower Upper

153 100

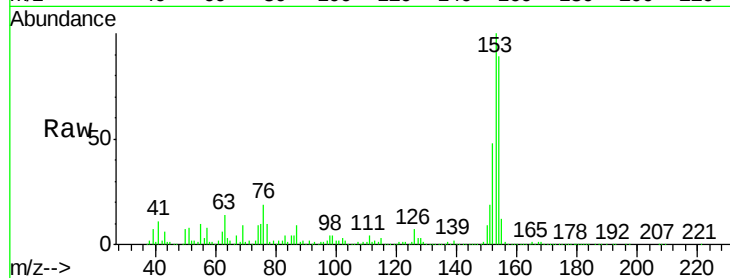
152 48.1 36.4 54.6

154 88.6 68.7 103.1

Manual Integrations
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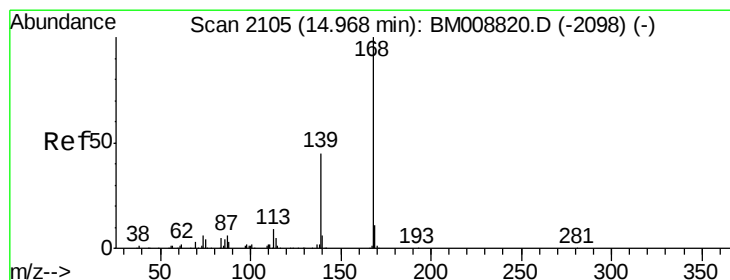
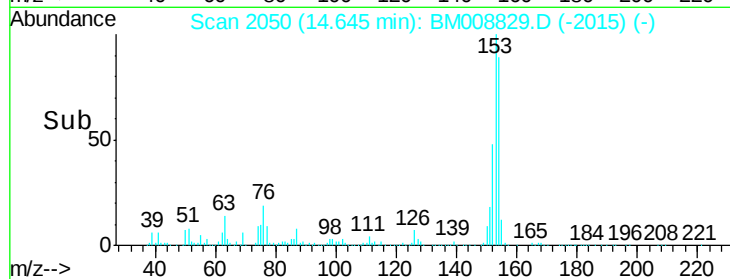
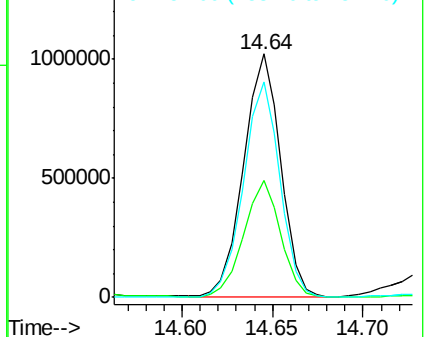
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 47.48 ng/ul

RT: 14.98 min Scan# 2107

Delta R.T. 0.01 min

Lab File: BM008829.D

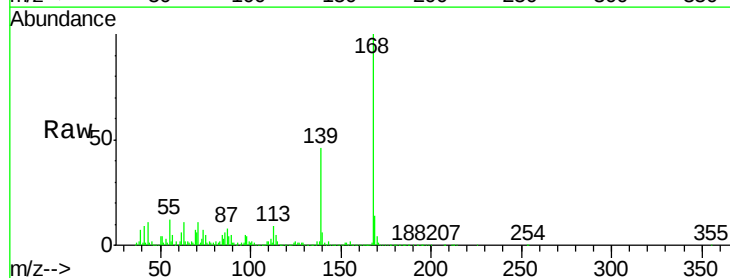
Acq: 24 Jan 2017 07:44

Tgt Ion:168 Resp: 2153030

Ion Ratio Lower Upper

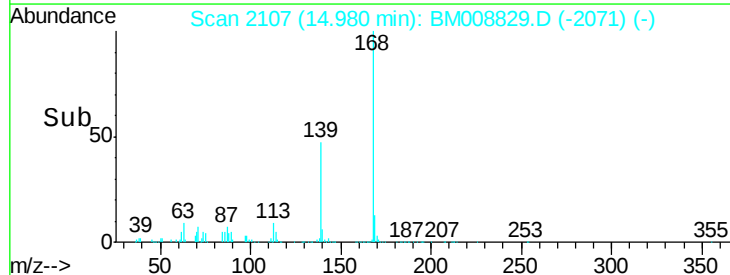
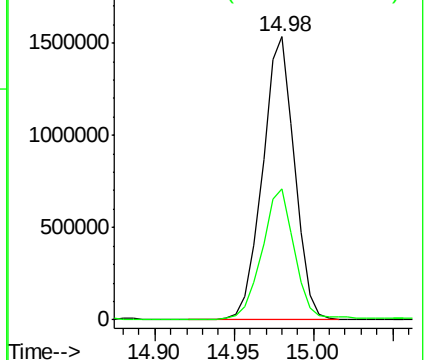
168 100

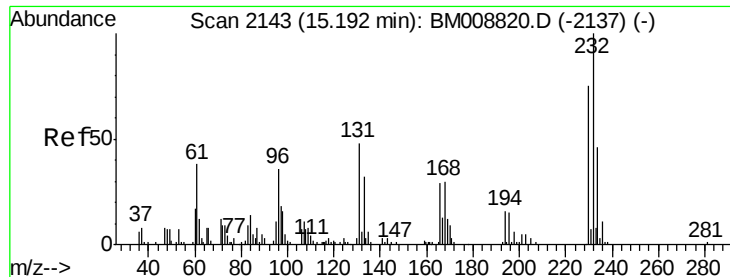
139 46.2 30.3 45.5#



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: 99.92 ng/ul

RT: 15.20 min Scan# 2145

Delta R.T. 0.01 min

Lab File: BM008829.D

Acq: 24 Jan 2017 07:44

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:232 Resp: 1121554

Ion Ratio Lower Upper

232 100

131 46.9 31.8 47.8

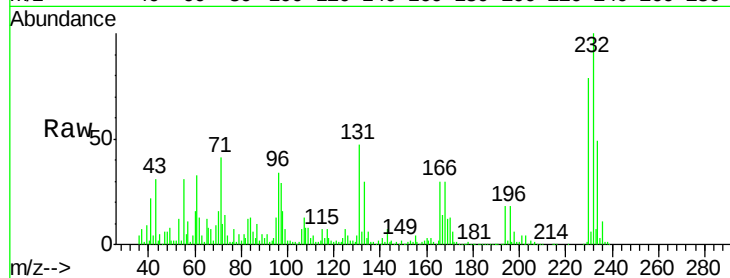
130 3.6 1.8 2.6#

166 30.2 21.6 32.4

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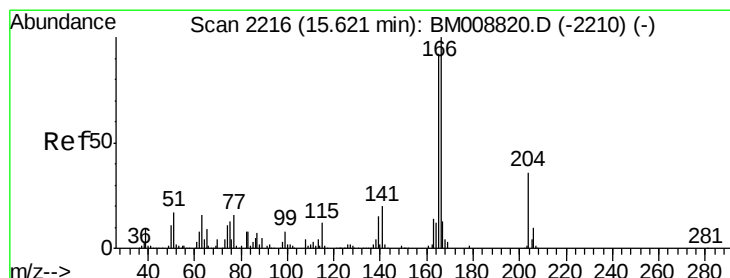
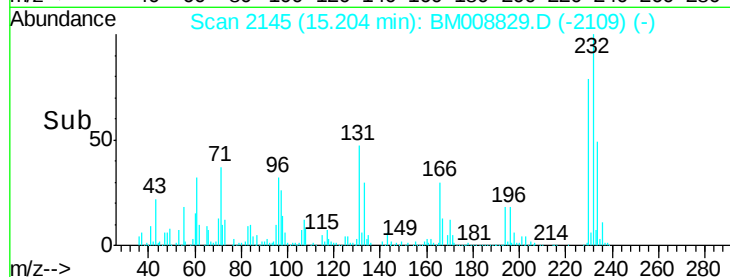
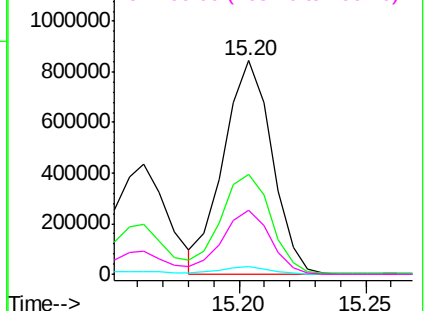


Abundance Ion 232.00 (231.70 to 232.70): E

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: 28.81 ng/ul

RT: 15.63 min Scan# 2217

Delta R.T. 0.01 min

Lab File: BM008829.D

Acq: 24 Jan 2017 07:44

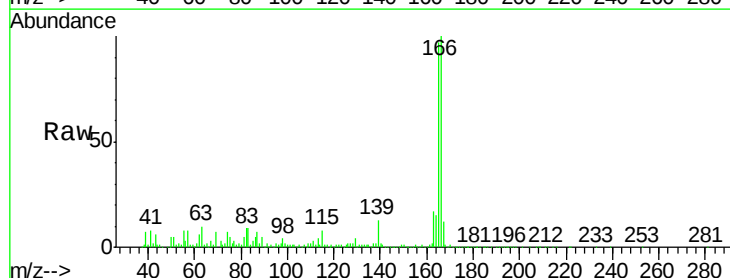
Tgt Ion:166 Resp: 1091752

Ion Ratio Lower Upper

166 100

165 96.7 80.2 120.2

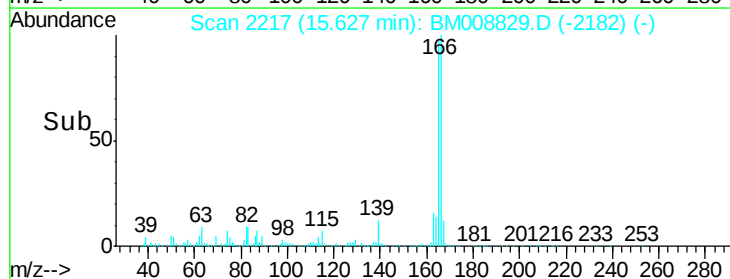
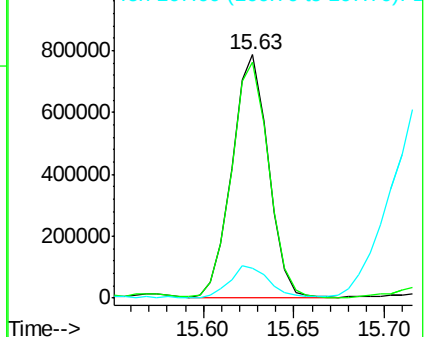
167 12.5 10.9 16.3

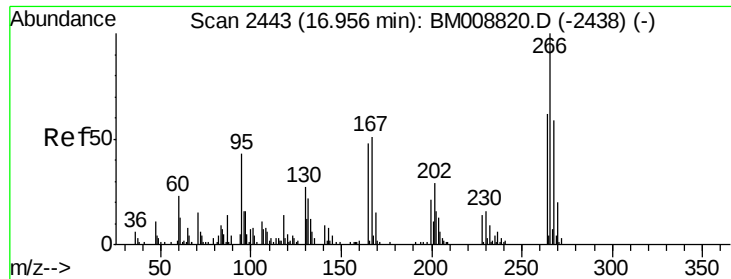


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





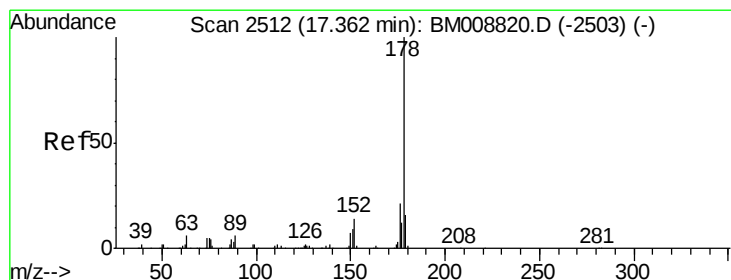
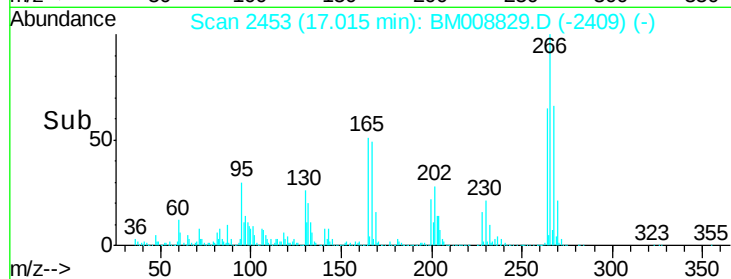
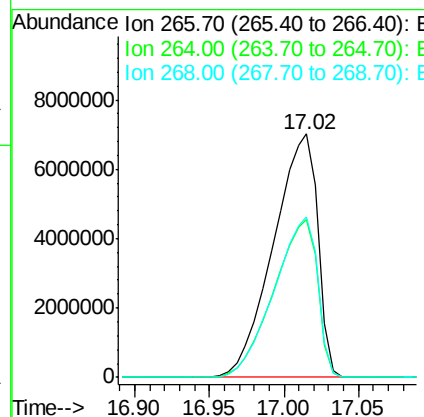
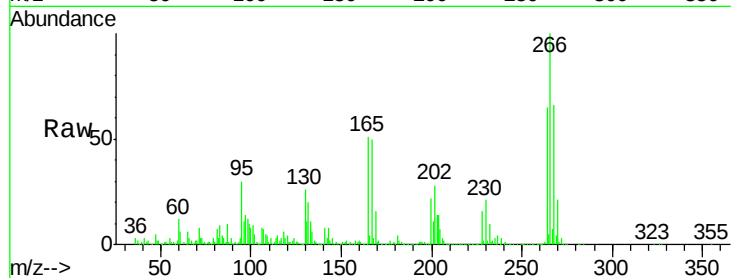
#68
 Pentachlorophenol
 Concen: 2754.07 ng/ul
 RT: 17.02 min Scan# 2453
 Delta R.T. 0.06 min
 Lab File: BM008829.D
 Acq: 24 Jan 2017 07:44

Instrument :
 BNA_M
 ClientSampled :
 DA9R7

Tgt Ion:266 Resp:14555725
 Ion Ratio Lower Upper
 266 100
 264 64.9 50.6 75.8
 268 65.8 49.1 73.7

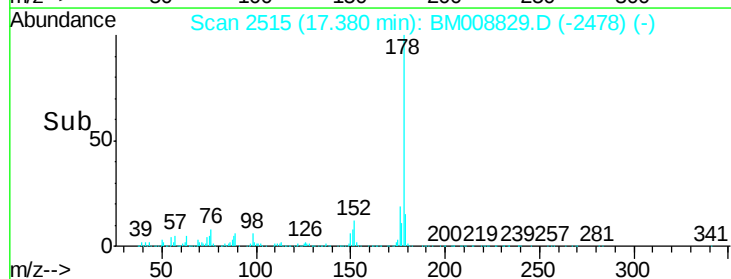
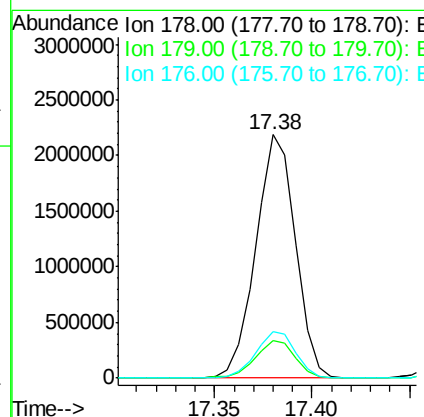
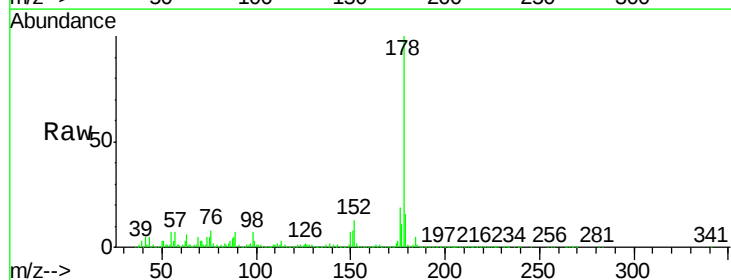
Manual Integrations
 APPROVED

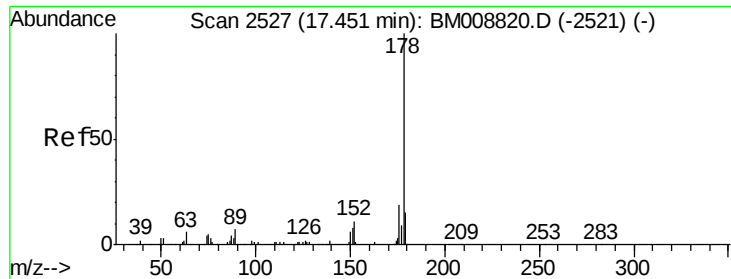
mohammad
 1/24/2017 5:17:52 PM



#69
 Phenanthrene
 Concen: 90.94 ng/ul
 RT: 17.38 min Scan# 2515
 Delta R.T. 0.02 min
 Lab File: BM008829.D
 Acq: 24 Jan 2017 07:44

Tgt Ion:178 Resp: 3062424
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.2 18.2
 176 19.3 14.7 22.1





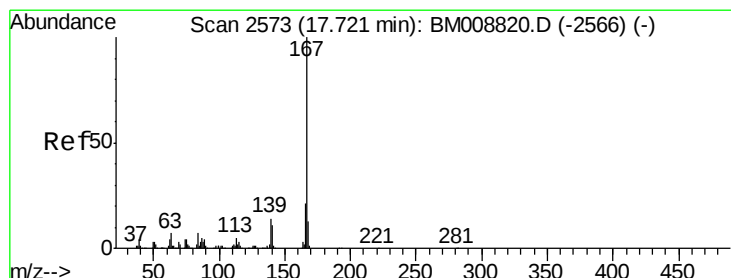
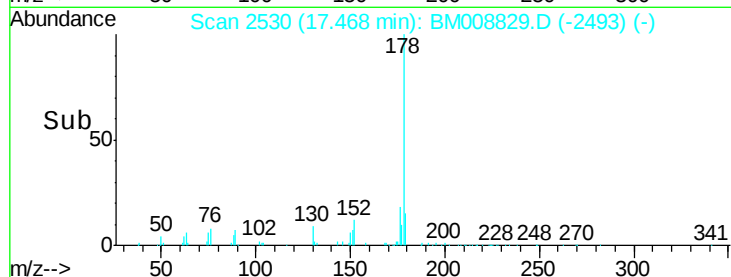
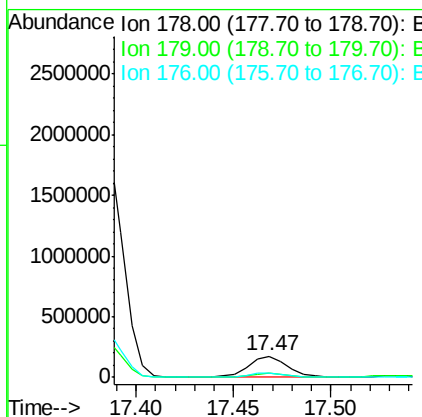
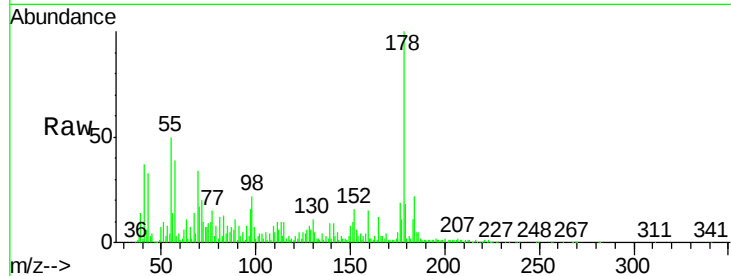
#71
 Anthracene
 Concen: 6.72 ng/ul
 RT: 17.47 min Scan# 2530
 Delta R.T. 0.02 min
 Lab File: BM008829.D
 Acq: 24 Jan 2017 07:44

Instrument :
 BNA_M
 ClientSampled :
 DA9R7

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.7	11.8	17.8
176	19.0	14.6	21.8

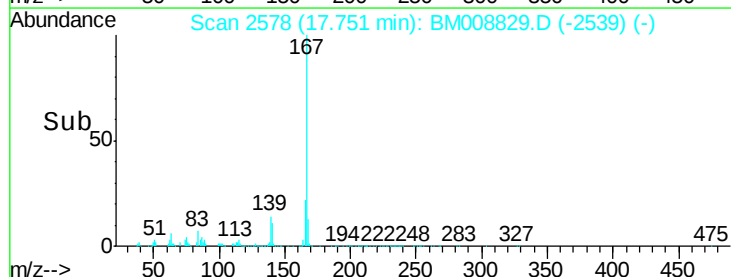
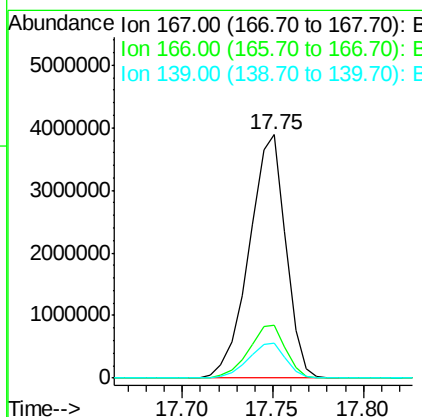
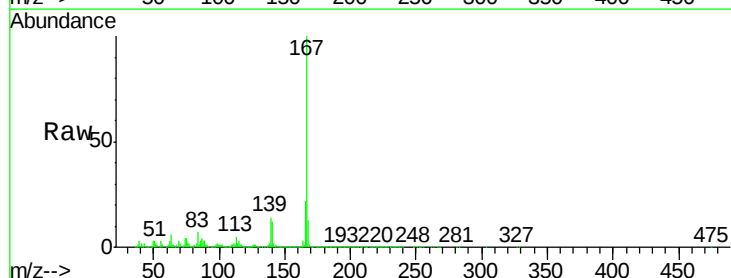
Manual Integrations
 APPROVED

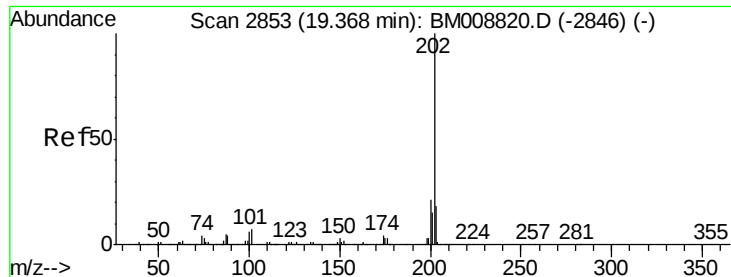
mohammad
 1/24/2017 5:17:52 PM



#72
 Carbazole
 Concen: 179.91 ng/ul
 RT: 17.75 min Scan# 2578
 Delta R.T. 0.03 min
 Lab File: BM008829.D
 Acq: 24 Jan 2017 07:44

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	16.8	25.2
139	14.4	10.4	15.6





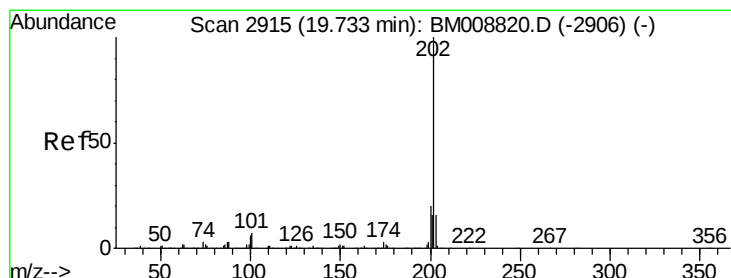
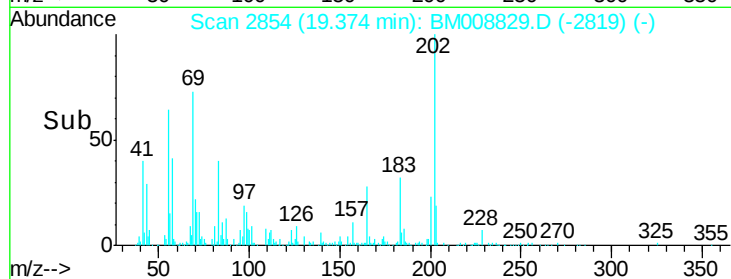
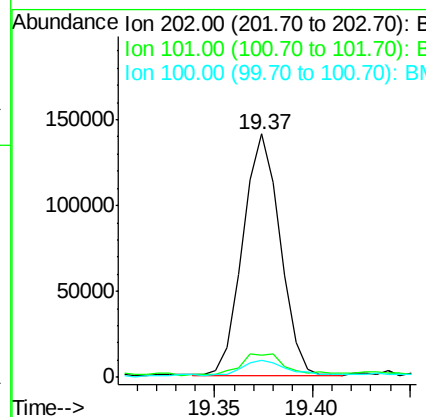
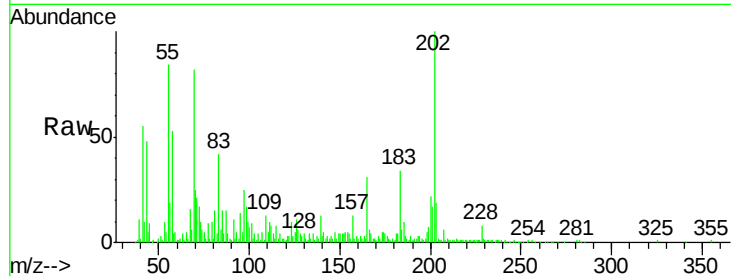
#74
Fluoranthene
Concen: 4.27 ng/ul
RT: 19.37 min Scan# 2854
Delta R.T. 0.01 min
Lab File: BM008829.D
Acq: 24 Jan 2017 07:44

Instrument :
BNA_M
ClientSampled :
DA9R7

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.1	7.1	10.7
100	6.9	5.4	8.0

Manual Integrations
APPROVED

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1/24/2017 5:17:52 PM



#77
Pyrene
Concen: 2.04 ng/ul
RT: 19.74 min Scan# 2916
Delta R.T. 0.01 min
Lab File: BM008829.D
Acq: 24 Jan 2017 07:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.8	8.6	12.8
100	7.6	6.5	9.7

