

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032917\
 Data File : BM009441.D
 Acq On : 29 Mar 2017 20:23
 Operator : SJ/MA
 Sample : I2437-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 QNWP8-MW30D-GW

Manual Integrations
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mohammad
 3/31/2017 8:21:51 AM

Quant Time: Mar 30 01:34:17 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 16:43:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	143727	20.00	ng	-0.01
21) Naphthalene-d8	10.66	136	578469	20.00	ng	0.00
38) Acenaphthene-d10	14.49	164	329770	20.00	ng	-0.01
63) Phenanthrene-d10	17.24	188	755715	20.00	ng	0.00
75) Chrysene-d12	21.42	240	909370	20.00	ng	0.00
86) Perylene-d12	23.74	264	879756	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	294215	34.12	ng	0.00
7) Phenol-d6	7.01	99	260024	22.11	ng	-0.01
23) Nitrobenzene-d5	9.02	82	827494	53.63	ng	0.00
41) 2,4,6-Tribromophenol	15.99	330	312935	76.39	ng	-0.01
44) 2-Fluorobiphenyl	13.11	172	1540994	56.31	ng	-0.01
78) Terphenyl-d14	19.86	244	2000215	45.96	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.36	88	23287	5.37	ng	# 100
3) Pyridine	3.76	79	81302	6.64	ng	# 84
6) Aniline	7.18	93	112801	7.06	ng	# 86
10) Phenol	7.03	94	58970	4.63	ng	# 89
17) 2-Methylphenol	8.29	107	79841	9.58	ng	# 86
20) 3+4-Methylphenols	8.62	107	189198	16.69	ng	# 89
22) Acetophenone	8.67	105	42339	2.60	ng	# 87
27) 2,4-Dimethylphenol	9.82	122	310873m	37.28	ng	
31) Naphthalene	10.71	128	33906017m	1104.31	ng	
37) 2-Methylnaphthalene	12.32	142	2935897	138.53	ng	# 93
45) 1,1'-Biphenyl	13.32	154	861851	31.40	ng	# 97
48) Acenaphthylene	14.22	152	83286	2.40	ng	# 78
49) Dimethylphthalate	13.95	163	108551	4.29	ng	# 98
51) Acenaphthene	14.56	154	2387748	113.98	ng	98
54) Dibenzofuran	14.90	168	2544982	82.15	ng	96
57) Fluorene	15.54	166	1040183	37.36	ng	96
70) Phenanthrene	17.29	178	1434358	33.19	ng	98
72) Carbazole	17.65	167	1115766	26.63	ng	99

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

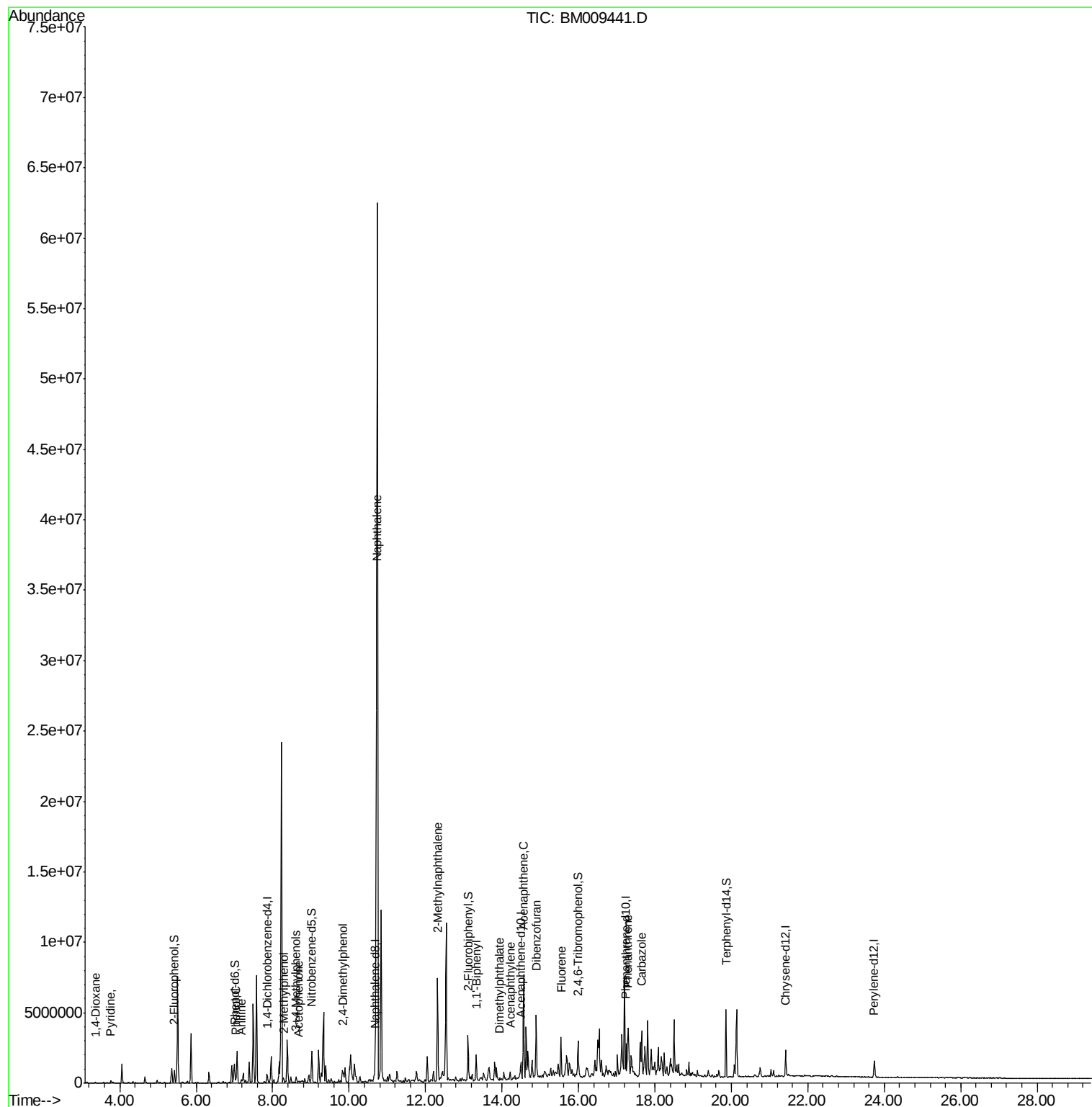
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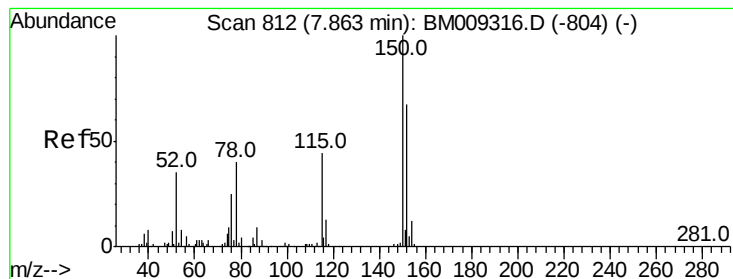
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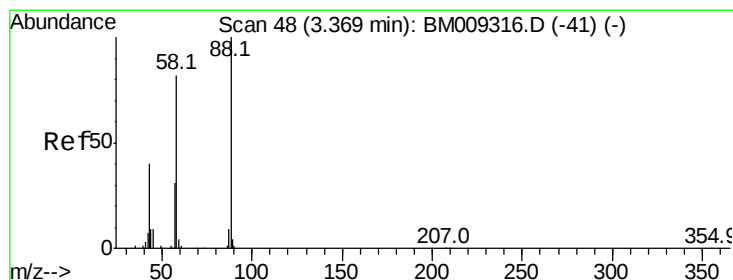
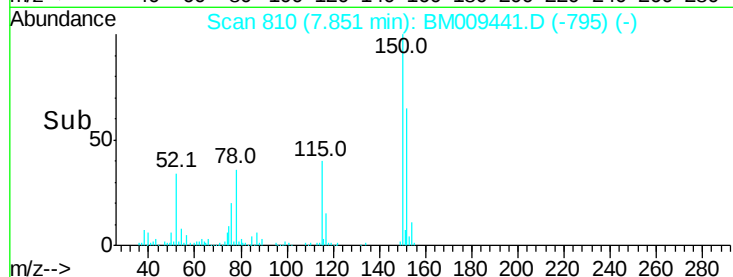
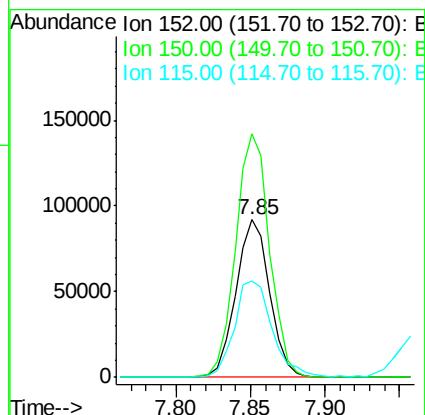
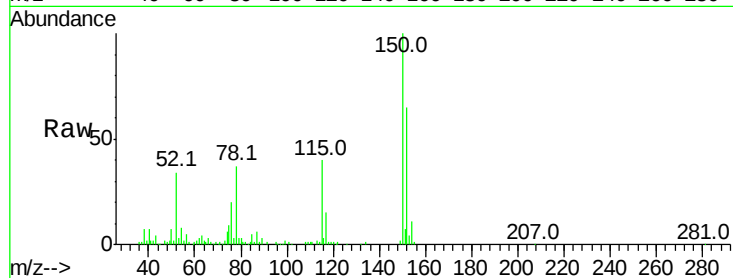
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BM009441.D
 Acq: 29 Mar 2017 20:23

Instrument :
 BNA_M
 ClientSampleId :
 QNWP8-MW30D-GW

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	119.5	179.3
115	61.3	43.0	64.4

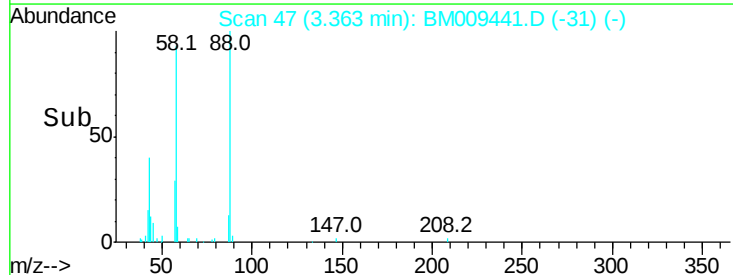
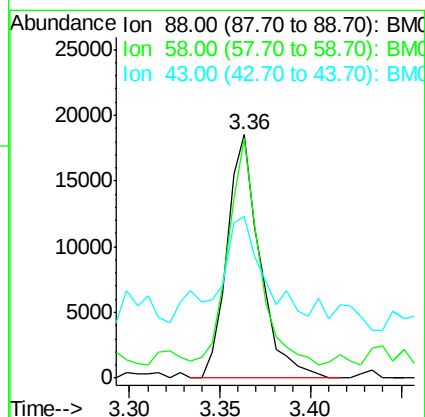
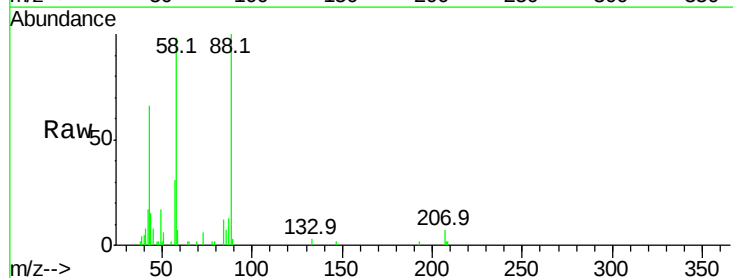
Manual Integrations
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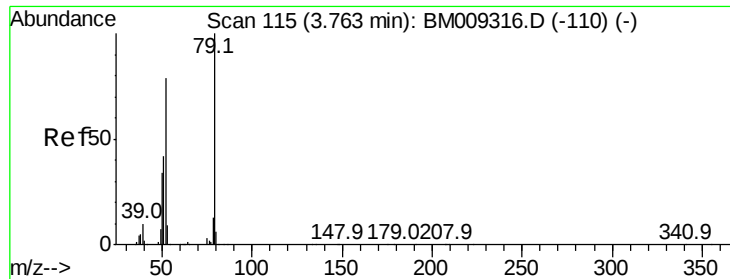
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#2
 1,4-Dioxane
 Concen: 5.37 ng
 RT: 3.36 min Scan# 47
 Delta R.T. -0.01 min
 Lab File: BM009441.D
 Acq: 29 Mar 2017 20:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	88.8	0.0	0.0#
43	47.8	0.0	0.0#





#3

Pvridine

Concen: 6.64 ng

RT: 3.76 min Scan# 115

Delta R.T. -0.00 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

Instrument :

BNA_M

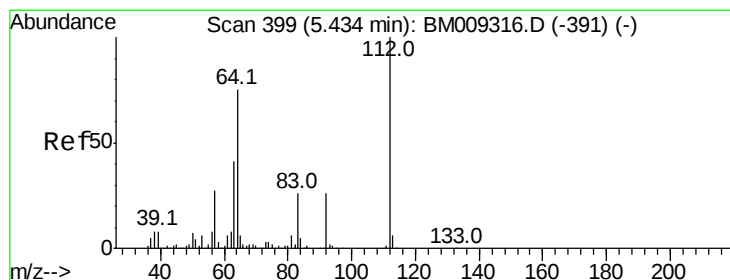
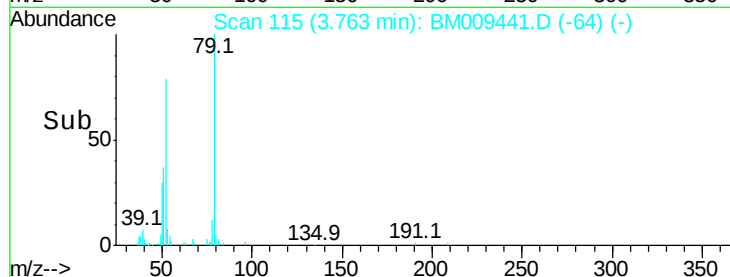
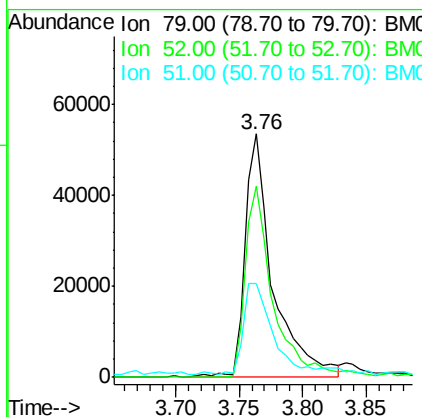
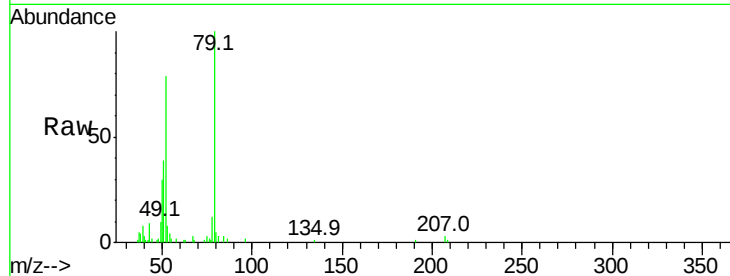
ClientSampleId :

QNWP8-MW30D-GW

Tot Ion:	79	Resp:	81302
Ion Ratio	Lower	Upper	
79	100		
52	78.5	51.1	76.7#
51	38.6	26.1	39.1

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#5

2-Fluorophenol

Concen: 34.12 ng

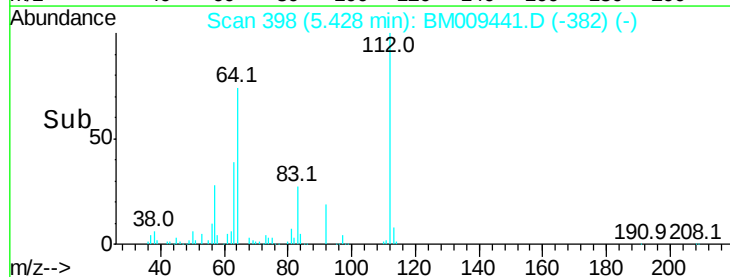
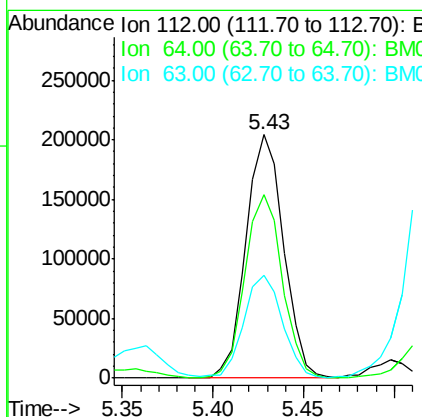
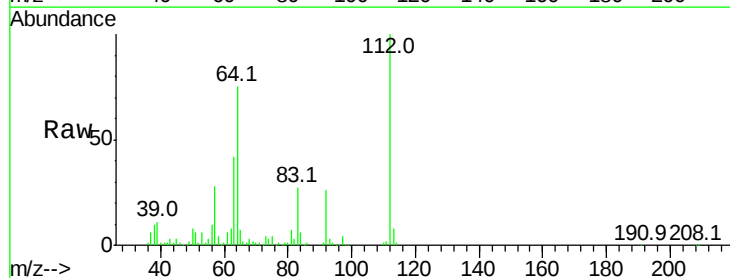
RT: 5.43 min Scan# 398

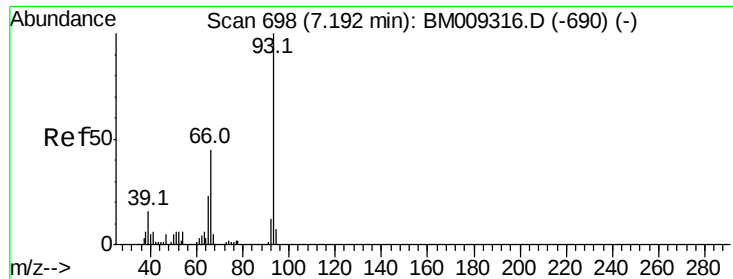
Delta R.T. -0.01 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

Tgt Ion:	112	Resp:	294215
Ion Ratio	Lower	Upper	
112	100		
64	75.3	38.6	57.8#
63	42.4	19.3	28.9#





#6

Aniline

Concen: 7.06 ng

RT: 7.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

Instrument :

BNA_M

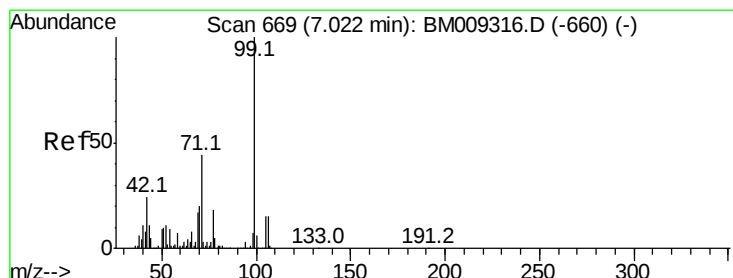
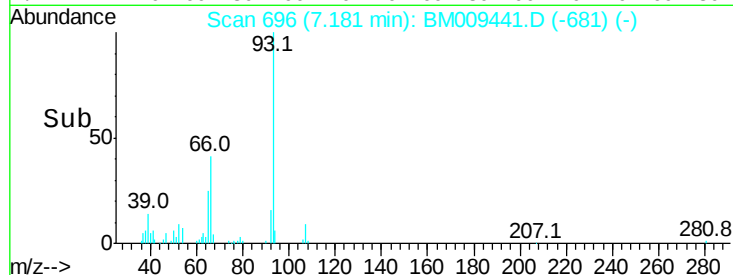
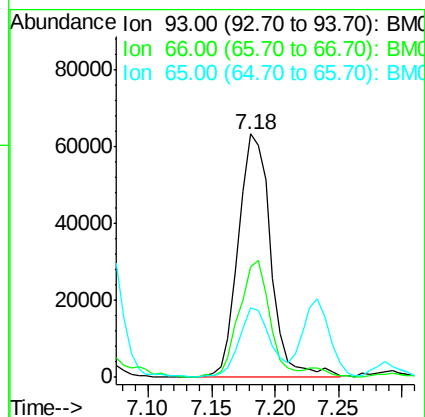
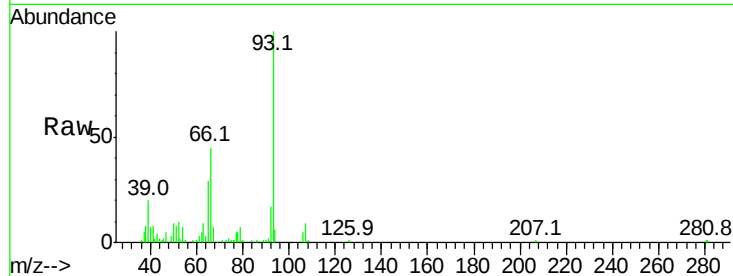
ClientSampleId :

QNWP8-MW30D-GW

Tot Ion	93	Resp	112801
Ion Ratio	Lower	Upper	
93	100		
66	45.2	30.8	46.2
65	28.6	16.0	24.0#

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#7

Phenol-d6

Concen: 22.11 ng

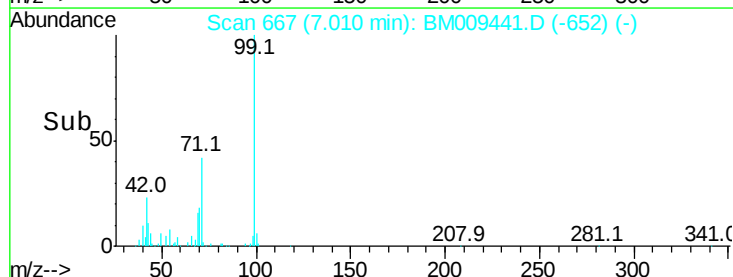
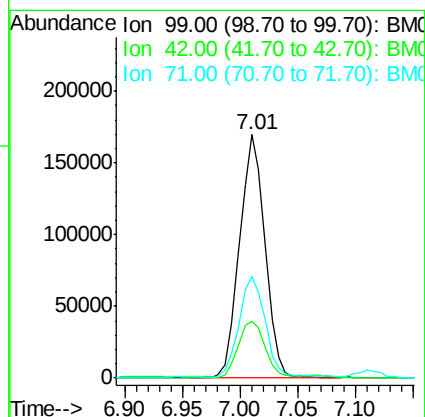
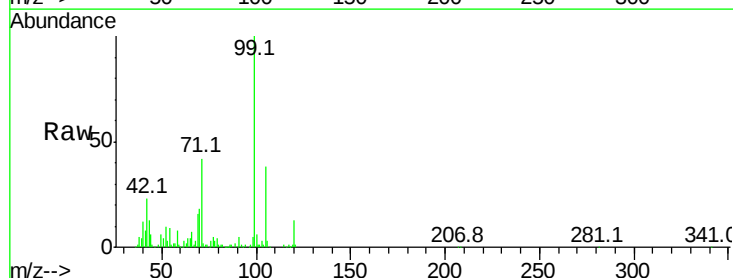
RT: 7.01 min Scan# 667

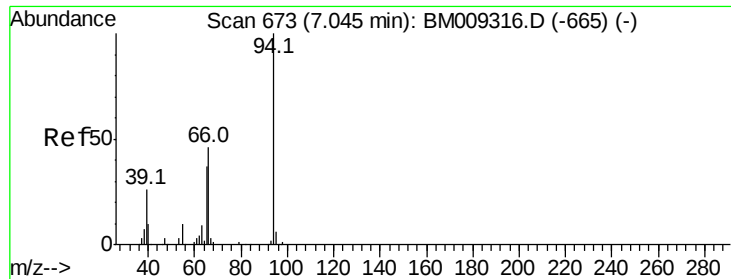
Delta R.T. -0.01 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

Tgt Ion	99	Resp	260024
Ion Ratio	Lower	Upper	
99	100		
42	23.1	11.0	16.4#
71	41.5	23.4	35.2#





#10

Phenol

Concen: 4.63 ng

RT: 7.03 min Scan# 671

Delta R.T. -0.01 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

Instrument :

BNA_M

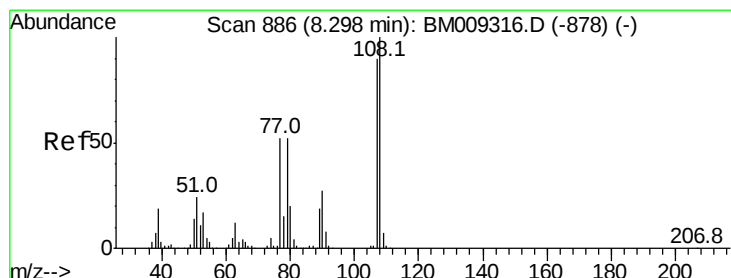
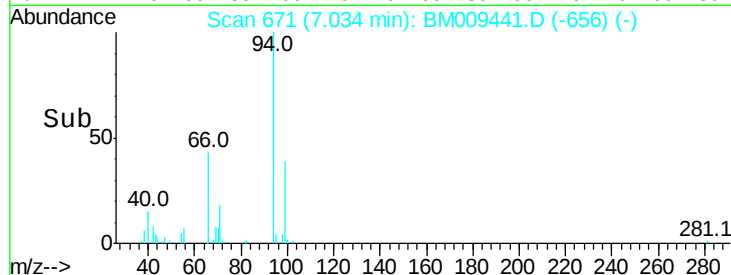
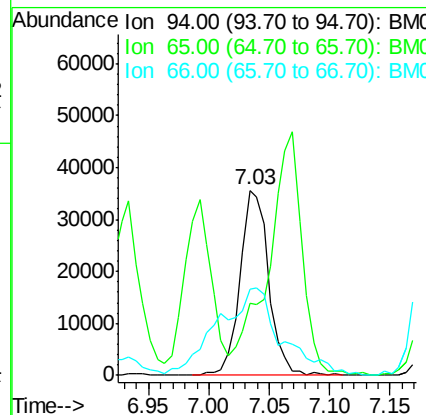
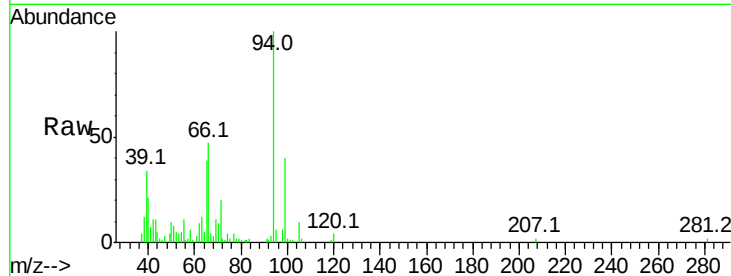
ClientSampleId :

QNWP8-MW30D-GW

Tot Ion:	94	Resp:	58970
Ion Ratio	Lower	Upper	
94	100		
65	38.8	18.8	58.8
66	46.6	39.9	79.9

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#17

2-Methylphenol

Concen: 9.58 ng

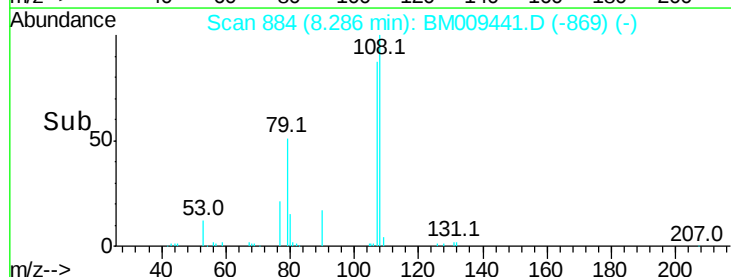
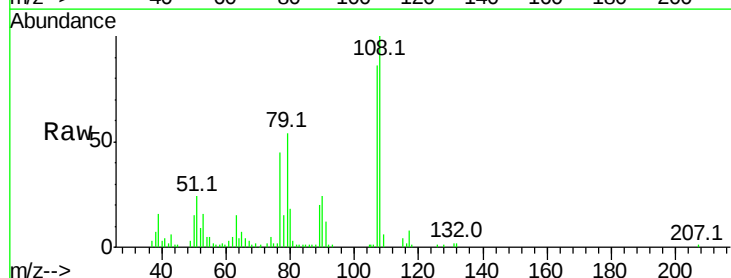
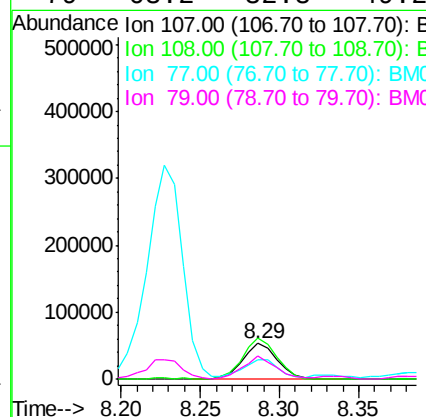
RT: 8.29 min Scan# 884

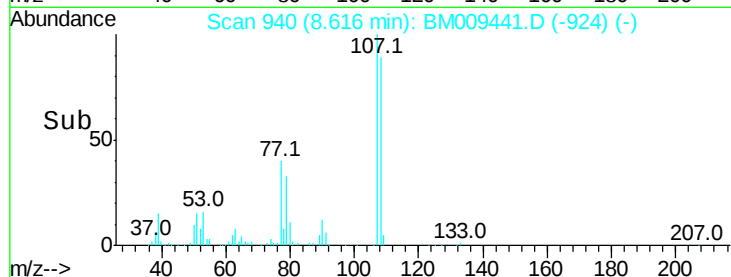
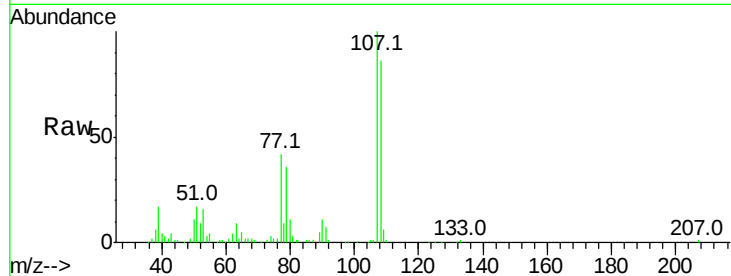
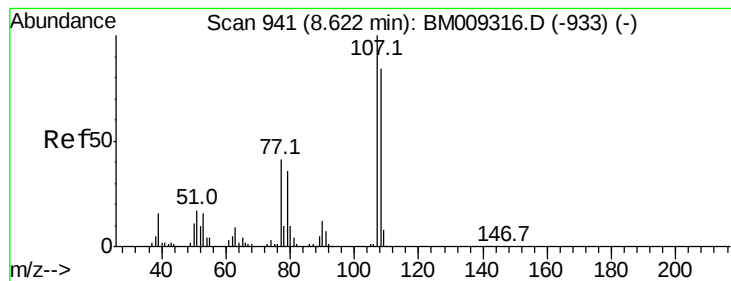
Delta R.T. -0.01 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

Tgt Ion:	107	Resp:	79841
Ion Ratio	Lower	Upper	
107	100		
108	116.1	89.8	134.8
77	52.8	32.6	48.8#
79	63.2	32.8	49.2#





#20

3+4-Methylphenols

Concen: 16.69 ng

RT: 8.62 min Scan# 940

Delta R.T. -0.01 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

Tot Ion	Ratio	Resp	Lower	Upper
107	100	189198		
108	86.3	73.2	113.2	
77	42.2	10.7	50.7	
79	35.5	9.6	49.6	

Instrument :

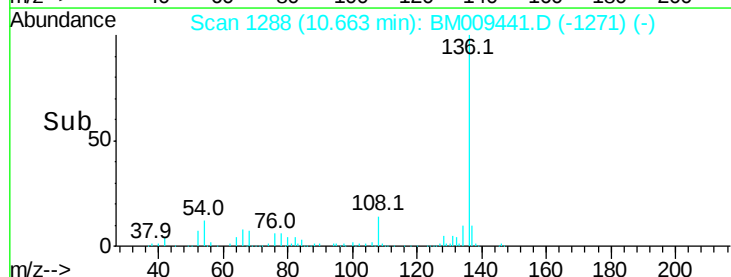
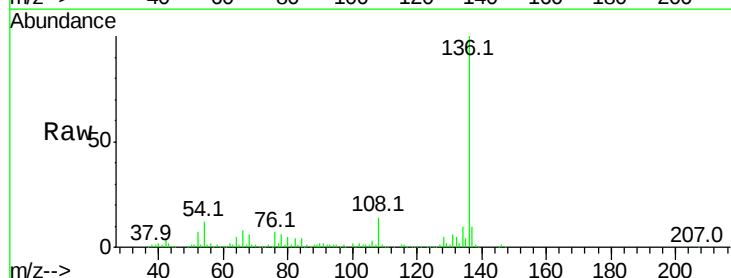
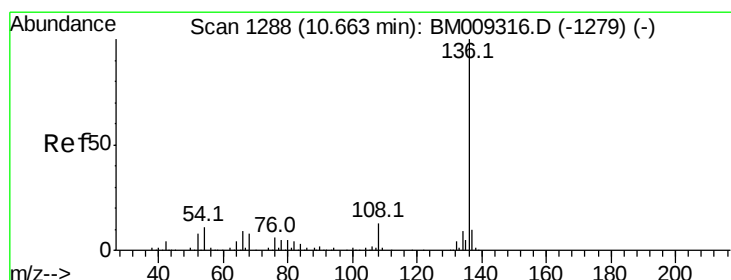
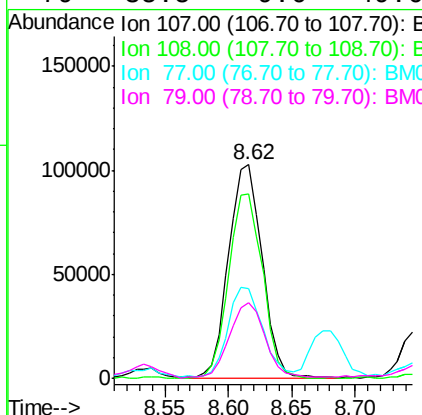
BNA_M

ClientSampleId :

QNWP8-MW30D-GW

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.00 ng

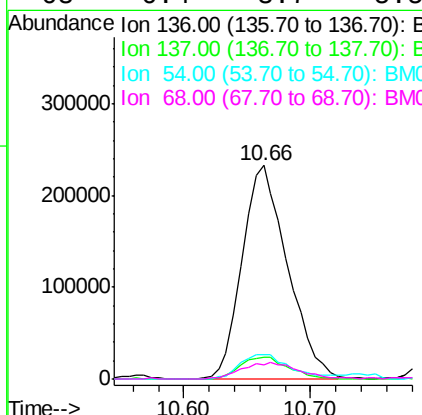
RT: 10.66 min Scan# 1288

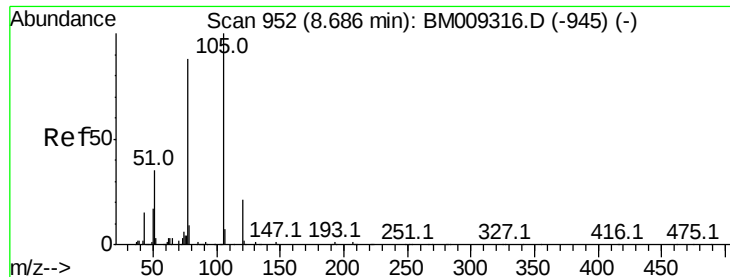
Delta R.T. -0.00 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	578469		
137	10.5	8.7	13.1	
54	11.6	4.6	6.8#	
68	6.4	3.7	5.5#	





#22

Acetophenone

Concen: 2.60 ng

RT: 8.67 min Scan# 950

Delta R.T. -0.01 min

Lab File: BM009441.D

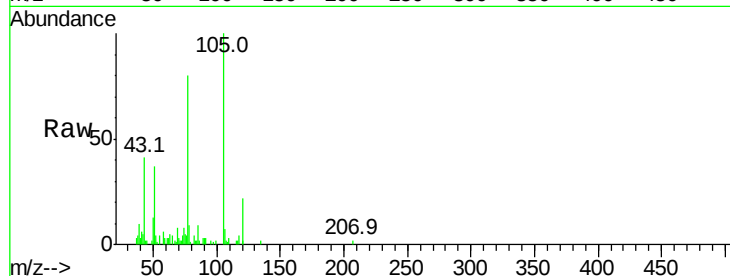
Acq: 29 Mar 2017 20:23

Instrument :

BNA_M

ClientSampleId :

QNWP8-MW30D-GW



Tot Ion: 105 Resp: 42339

Ion Ratio Lower Upper

105 100

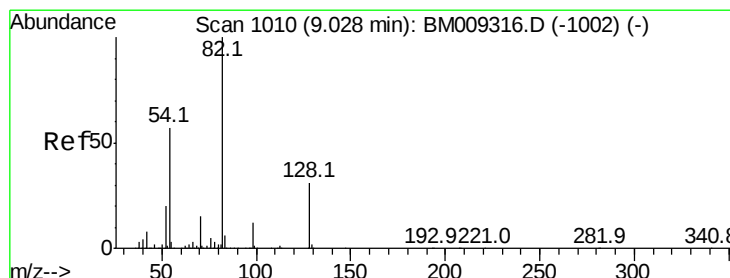
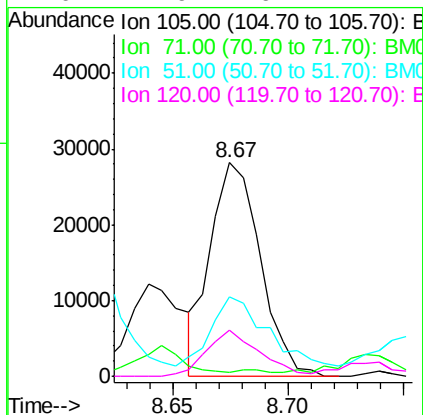
71 1.7 0.6 1.0#

51 37.4 21.6 32.4#

120 21.9 16.1 24.1

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#23

Nitrobenzene-d5

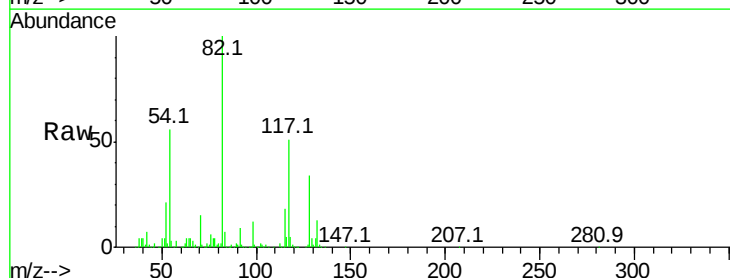
Concen: 53.63 ng

RT: 9.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23



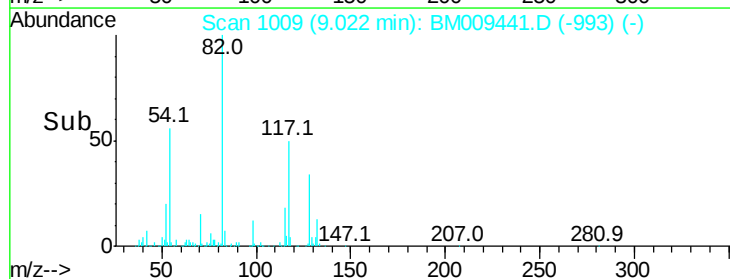
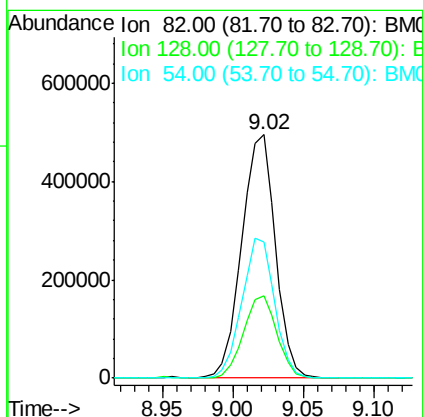
Tgt Ion: 82 Resp: 827494

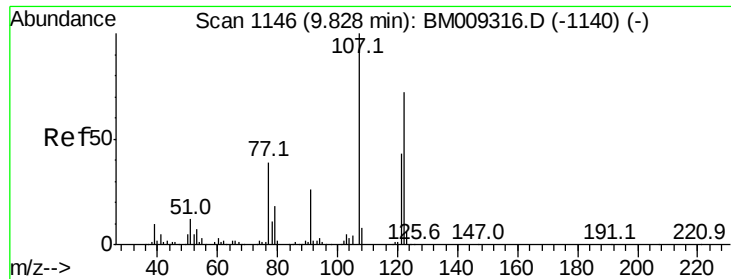
Ion Ratio Lower Upper

82 100

128 33.8 32.8 49.2

54 56.0 40.6 60.8





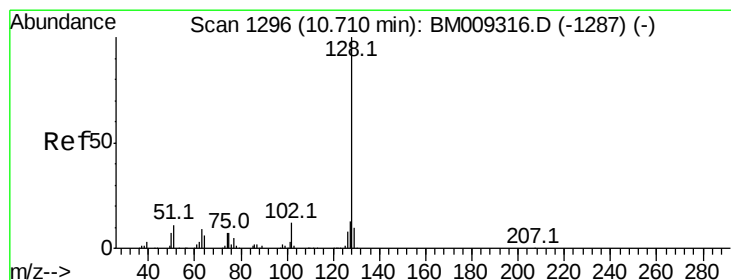
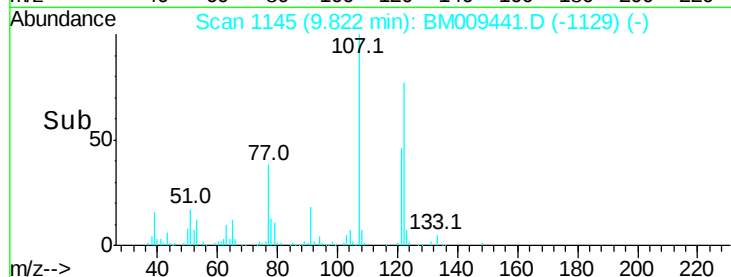
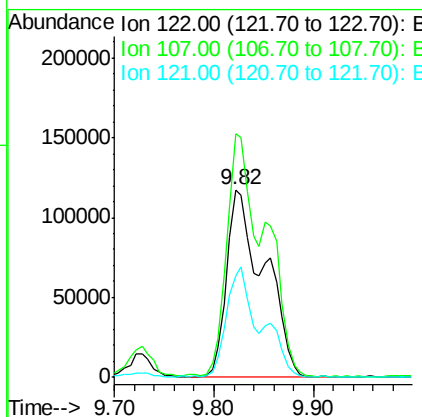
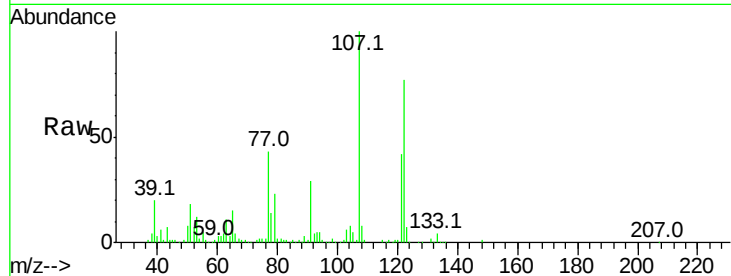
#27
2,4-Dimethylphenol
Concen: 37.28 ng m
RT: 9.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BM009441.D
Acq: 29 Mar 2017 20:23

Instrument :
BNA_M
ClientSampleId :
QNWP8-MW30D-GW

Tot Ion	Ratio	Lower	Upper
122	100		
107	130.0	84.7	127.1#
121	54.5	46.6	69.8

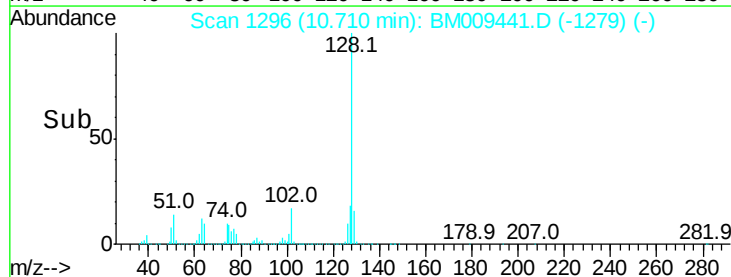
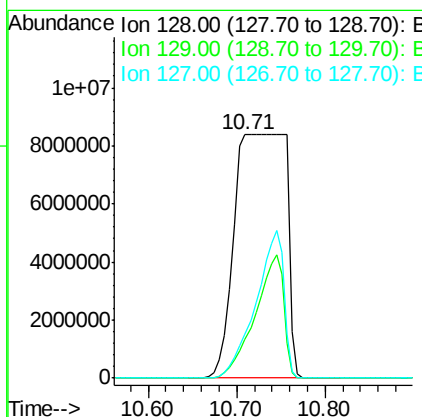
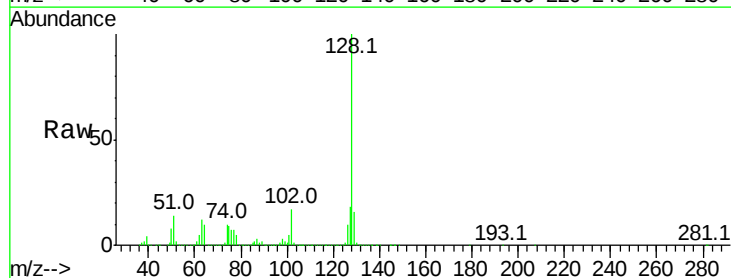
Manual Integrations
APPROVED

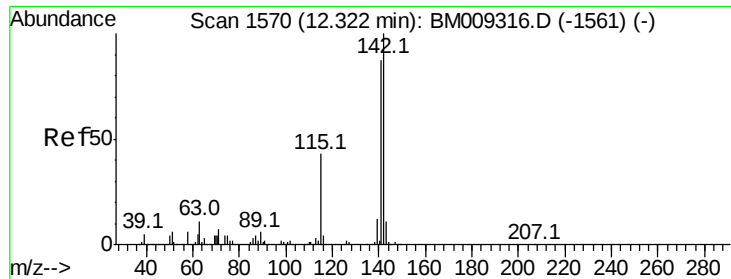
mohammad
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#31
Naphthalene
Concen: 1104.31 ng m
RT: 10.71 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BM009441.D
Acq: 29 Mar 2017 20:23

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.8	8.9	13.3#
127	18.0	10.4	15.6#





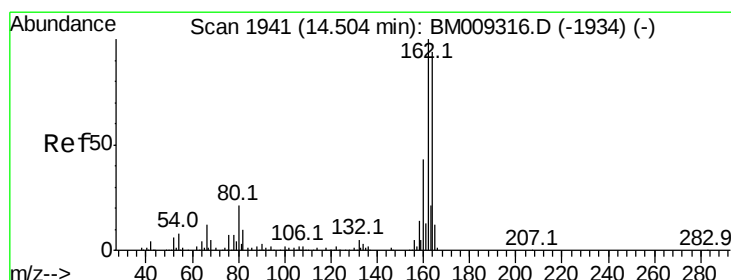
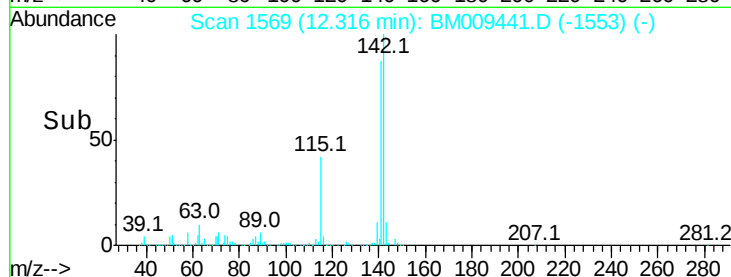
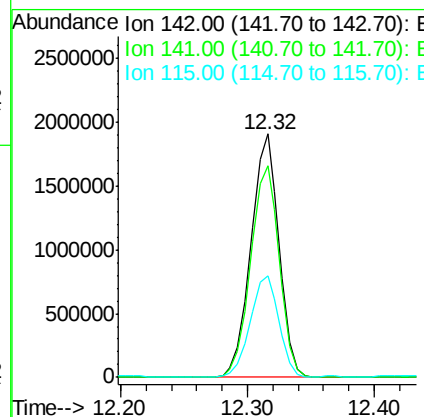
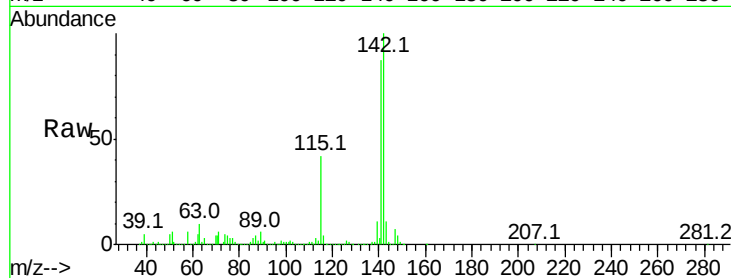
#37
2-Methylnaphthalene
Concen: 138.53 ng
RT: 12.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BM009441.D
Acq: 29 Mar 2017 20:23

Instrument :
BNA_M
ClientSampleId :
QNWP8-MW30D-GW

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.8	71.9	107.9
115	41.8	25.4	38.0

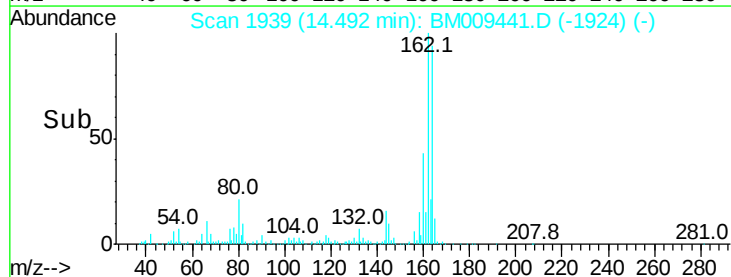
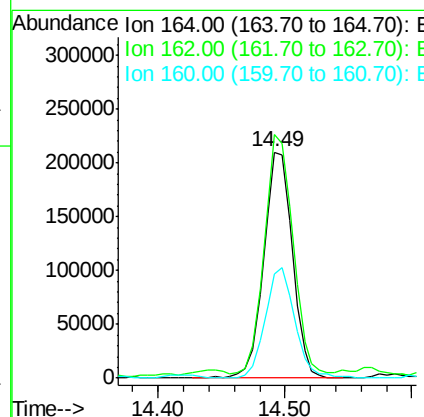
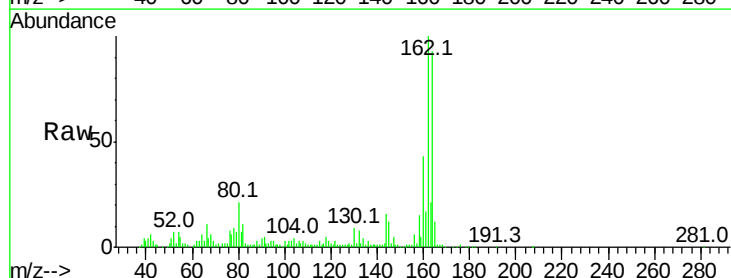
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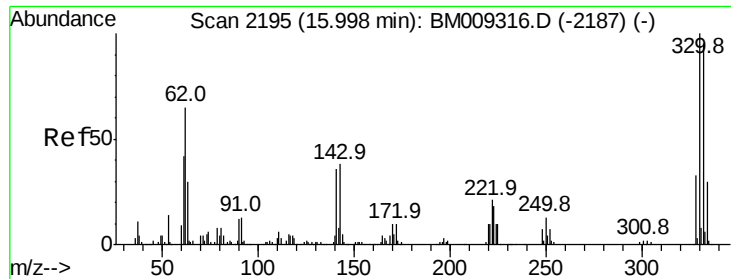
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.49 min Scan# 1939
Delta R.T. -0.01 min
Lab File: BM009441.D
Acq: 29 Mar 2017 20:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.8	82.4	123.6
160	46.3	35.8	53.6





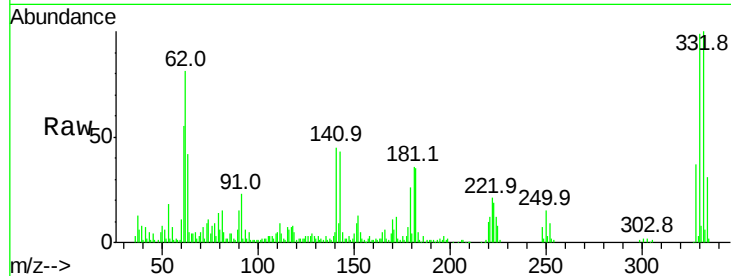
#41
 2,4,6-Tribromophenol
 Concen: 76.39 ng
 RT: 15.99 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BM009441.D
 Acq: 29 Mar 2017 20:23

Instrument :
 BNA_M
 ClientSampleId :
 QNWP8-MW30D-GW

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	97.5	0.0	0.0#
141	43.0	0.0	0.0#

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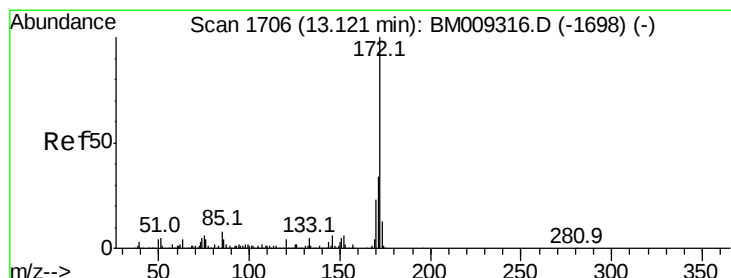
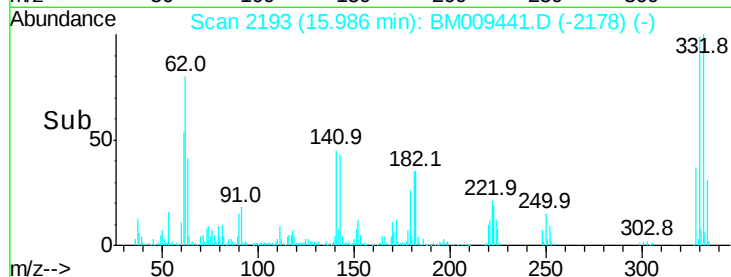
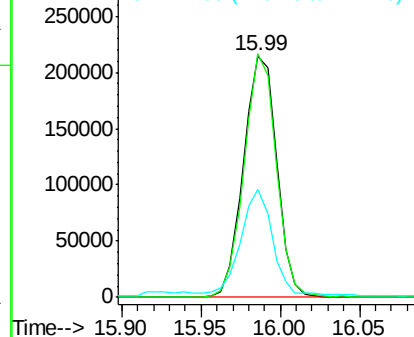


Abundance

Ion 329.80 (329.50 to 330.50): E

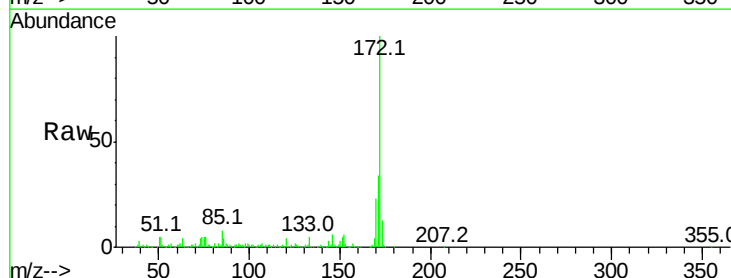
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 56.31 ng
 RT: 13.11 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BM009441.D
 Acq: 29 Mar 2017 20:23

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.1	28.5	42.7
170	23.4	18.8	28.2

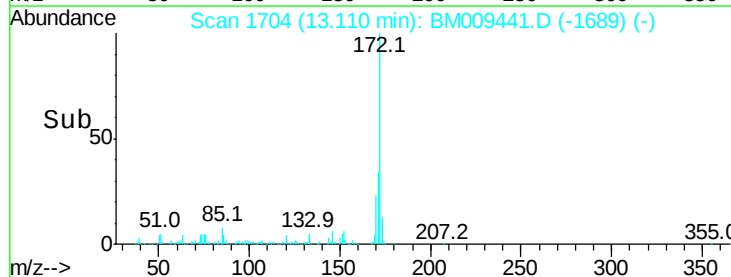
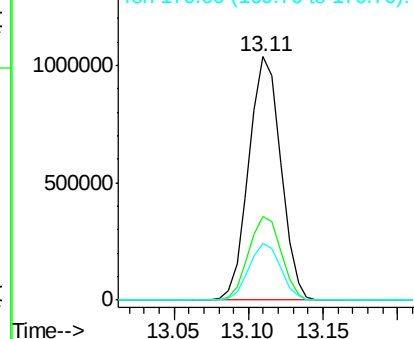


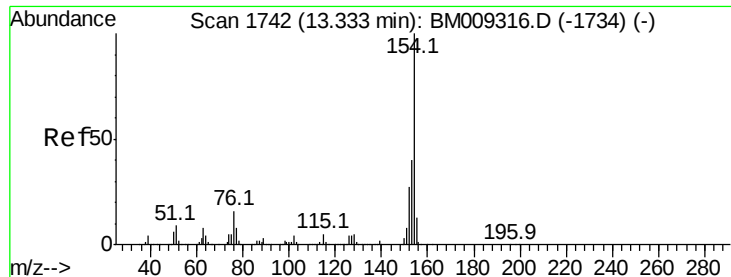
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 31.40 ng

RT: 13.32 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

Instrument :

BNA_M

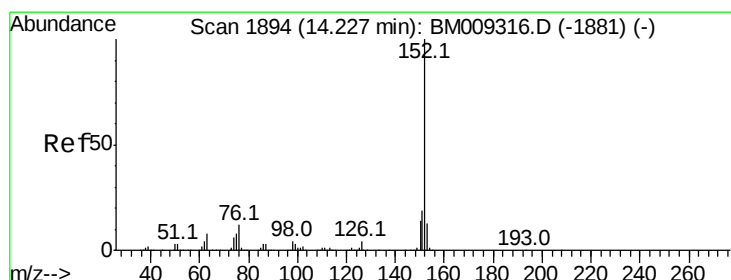
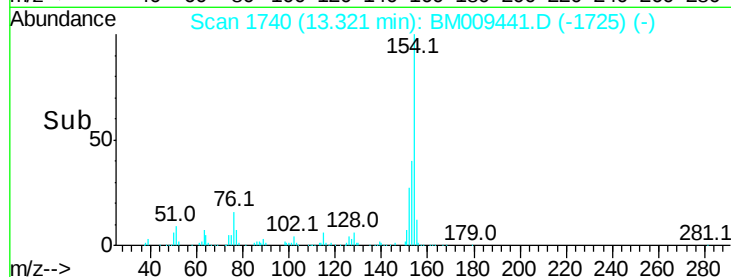
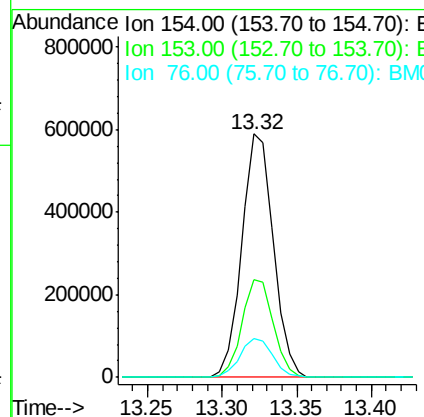
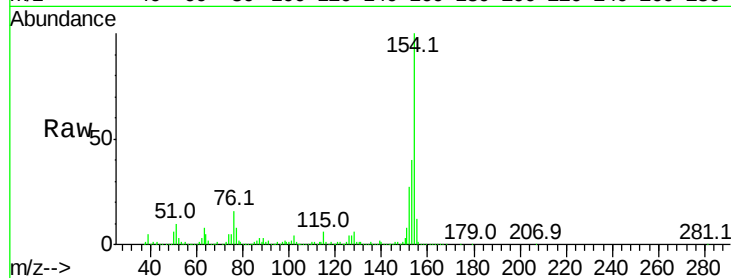
ClientSampleId :

QNWP8-MW30D-GW

Tot Ion:	154	Resp:	861851
Ion Ratio	Lower	Upper	
154	100		
153	40.1	20.7	60.7
76	15.9	0.0	30.9

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#48

Acenaphthylene

Concen: 2.40 ng

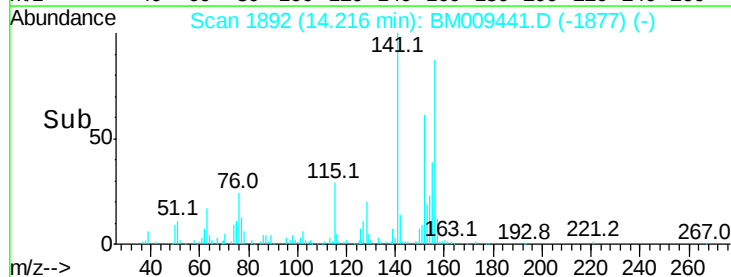
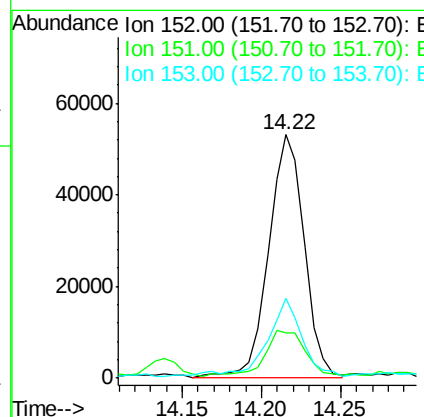
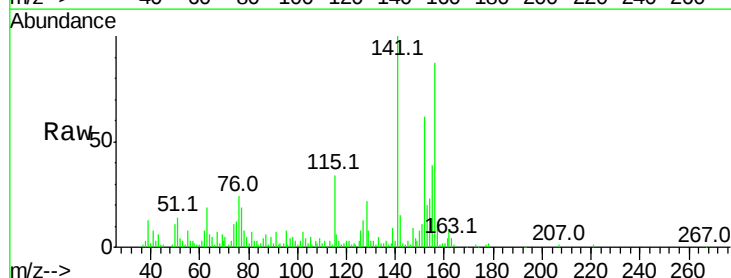
RT: 14.22 min Scan# 1892

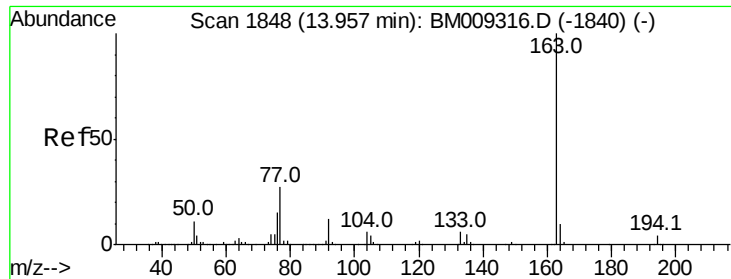
Delta R.T. -0.01 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

Tgt Ion:	152	Resp:	83286
Ion Ratio	Lower	Upper	
152	100		
151	18.4	15.9	23.9
153	33.0	10.6	16.0#





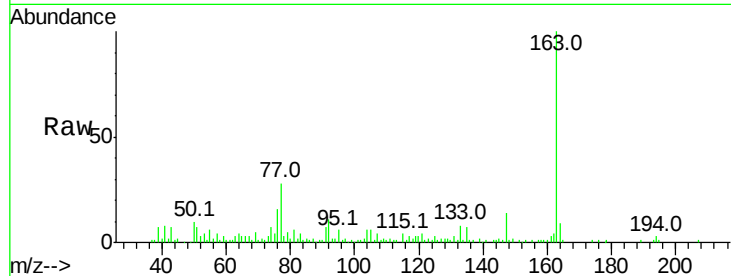
#49
Dimethylphthalate
Concen: 4.29 ng
RT: 13.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BM009441.D
Acq: 29 Mar 2017 20:23

Instrument :
BNA_M
ClientSampleId :
QNWP8-MW30D-GW

Tot Ion	Ratio	Resp	Lower	Upper
163	100	108551		
194	2.7	2.7	4.1#	
164	9.3	8.2	12.2	

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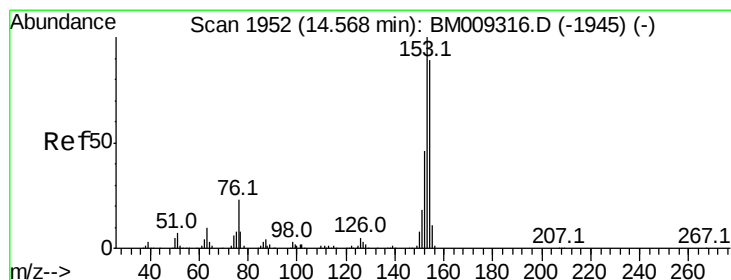
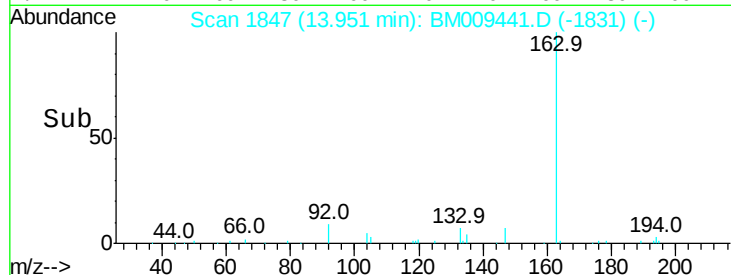
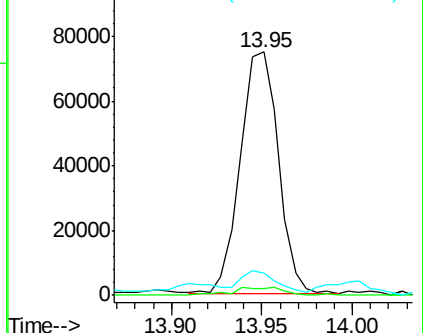


Abundance

Ion 163.00 (162.70 to 163.70): E

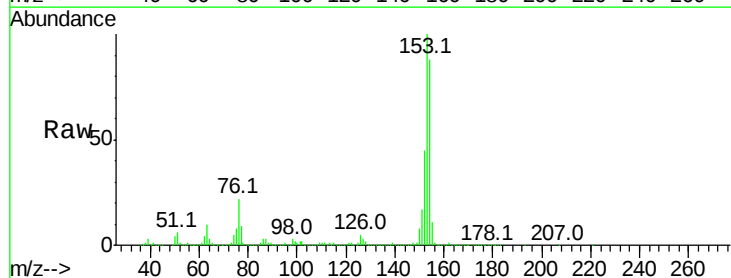
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 113.98 ng
RT: 14.56 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BM009441.D
Acq: 29 Mar 2017 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	2387748		
153	114.1	90.0	135.0	
152	51.8	42.6	63.8	

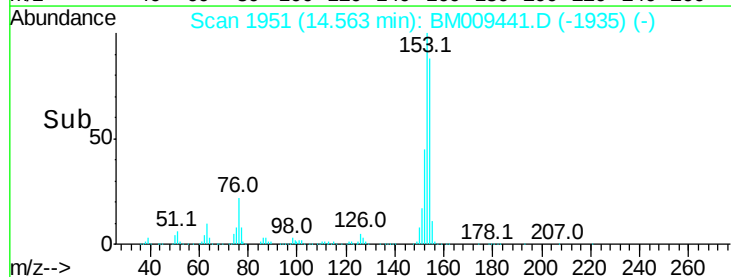
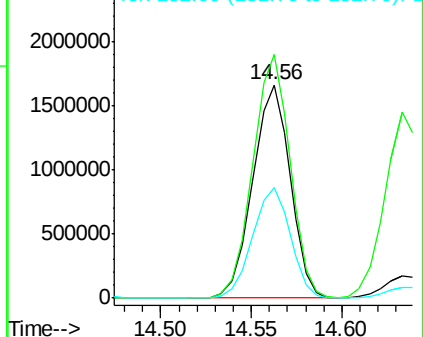


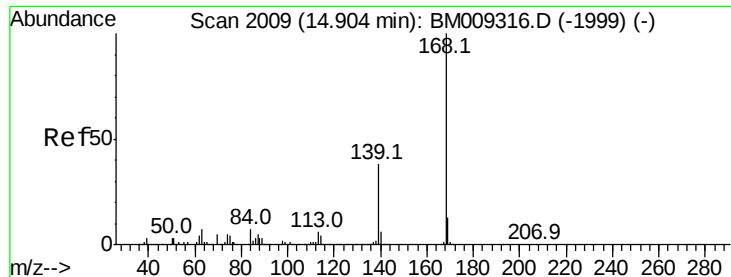
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 82.15 ng

RT: 14.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

Instrument :

BNA_M

ClientSampleId :

QNWP8-MW30D-GW

Tot Ion:168 Resp: 2544982

Ion Ratio Lower Upper

168 100

139 37.4 27.3 40.9

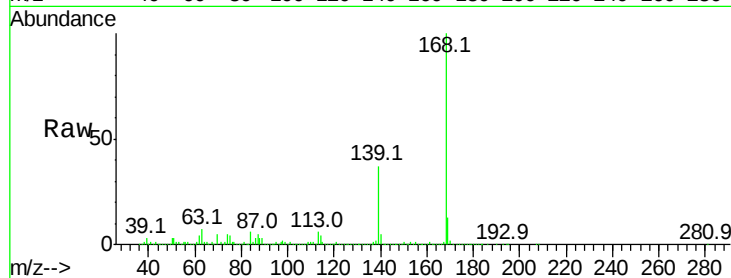
169 12.9 10.6 16.0

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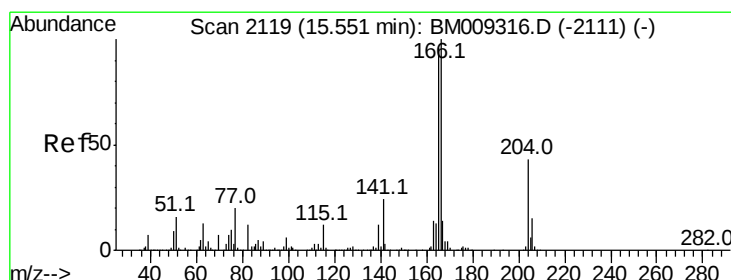
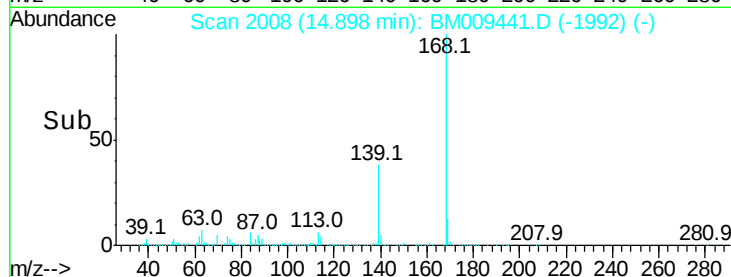
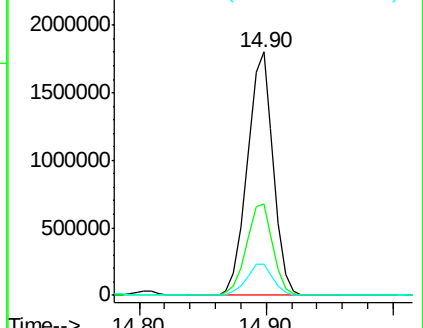
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 37.36 ng

RT: 15.54 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

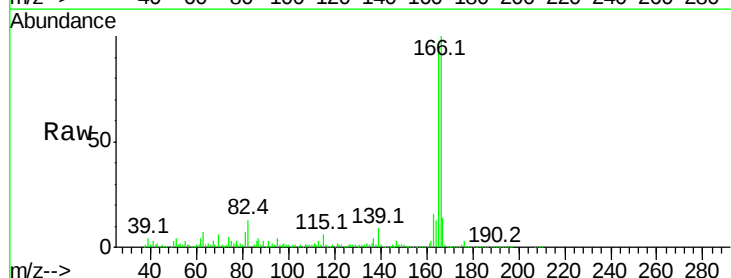
Tgt Ion:166 Resp: 1040183

Ion Ratio Lower Upper

166 100

165 95.1 79.0 118.4

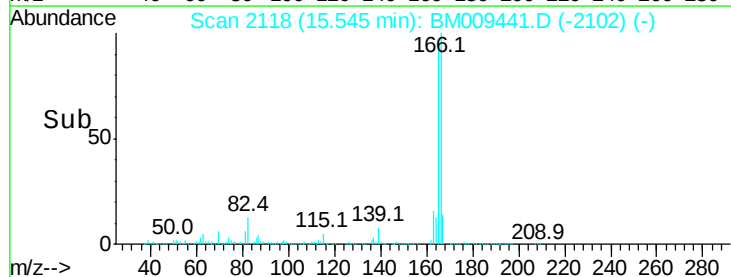
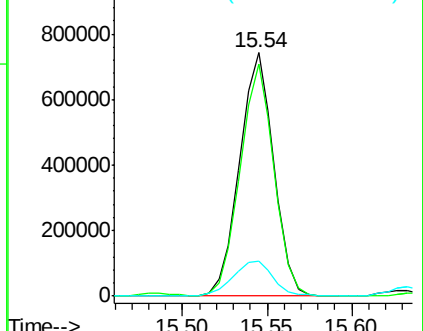
167 14.1 10.3 15.5

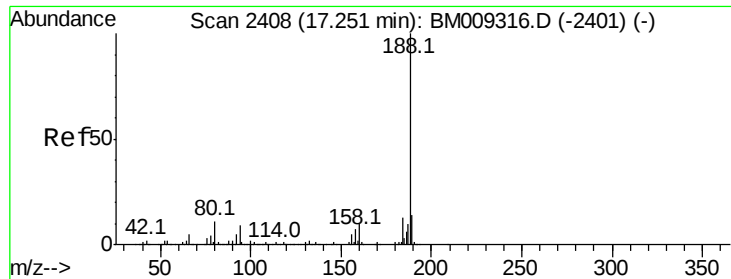


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





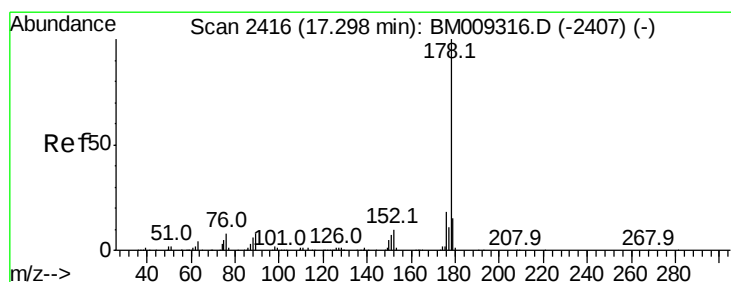
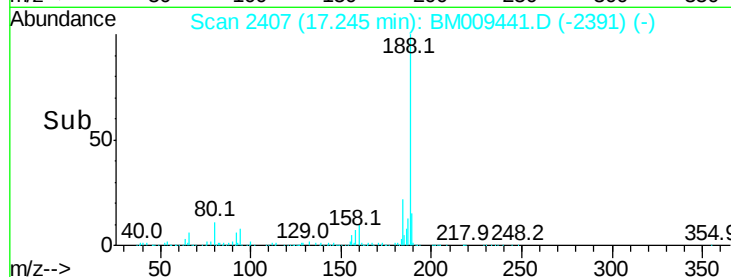
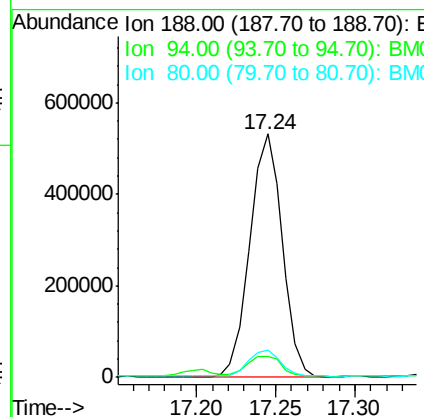
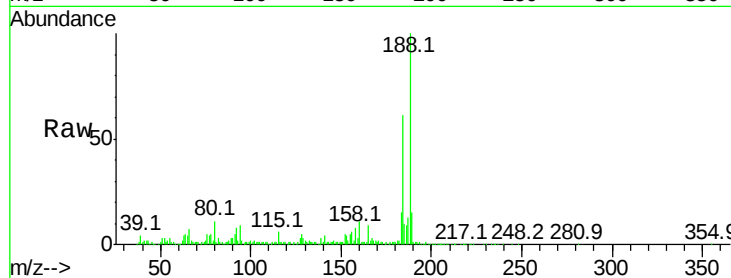
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.24 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BM009441.D
Acq: 29 Mar 2017 20:23

Instrument :
BNA_M
ClientSampleId :
QNWP8-MW30D-GW

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.7	8.7	13.1#
80	11.4	9.3	13.9

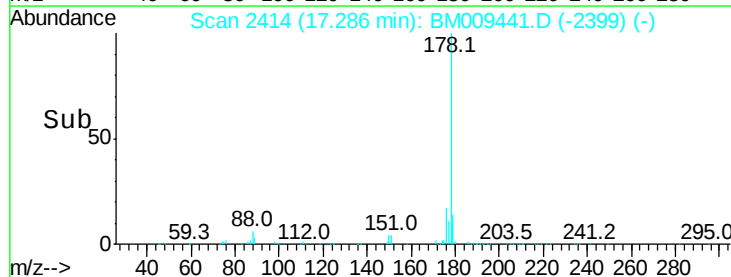
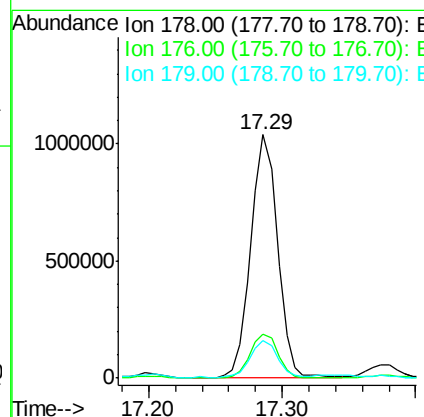
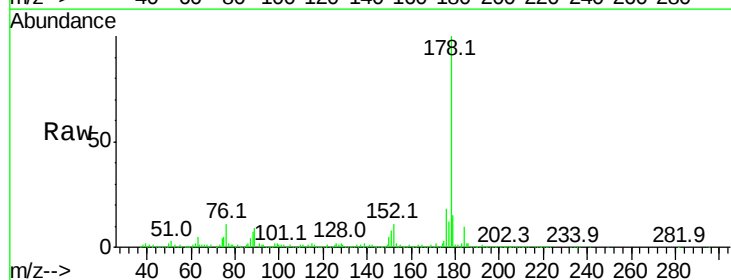
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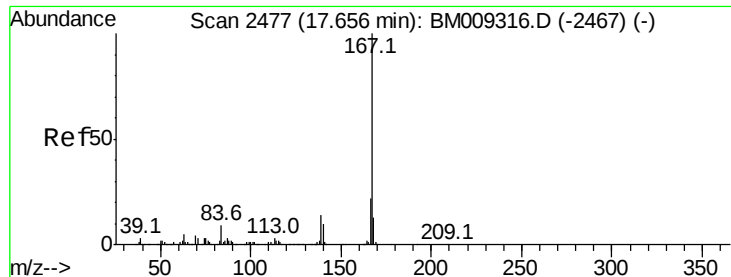
mohammad
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#70
Phenanthrene
Concen: 33.19 ng
RT: 17.29 min Scan# 2414
Delta R.T. -0.01 min
Lab File: BM009441.D
Acq: 29 Mar 2017 20:23

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.0	15.2	22.8
179	15.4	12.1	18.1





#72

Carbazole

Concen: 26.63 ng

RT: 17.65 min Scan# 2476

Delta R.T. -0.01 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

Instrument :

BNA_M

ClientSampleId :

QNWP8-MW30D-GW

Tot Ion:167 Resp: 1115766

Ion Ratio Lower Upper

167 100

166 22.1 17.2 25.8

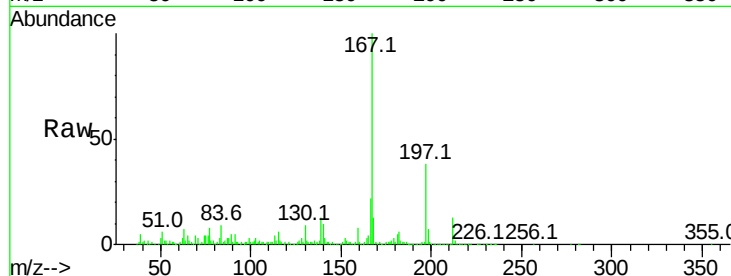
139 13.2 10.8 16.2

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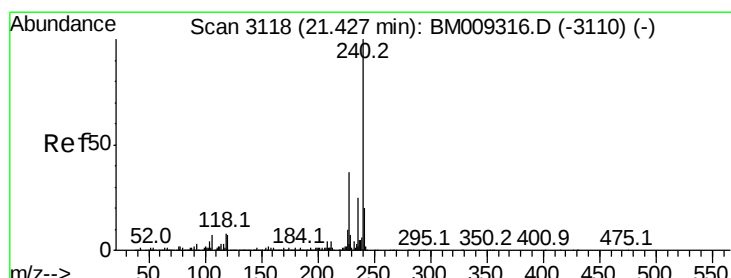
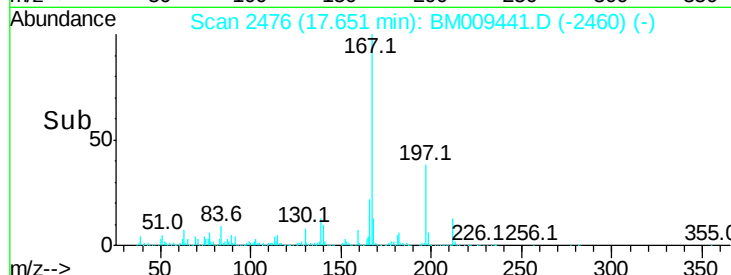
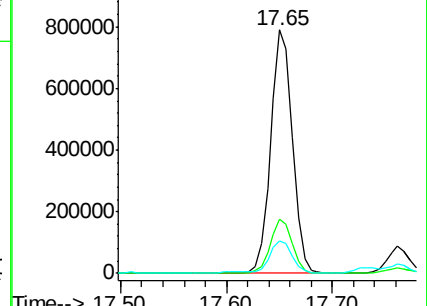
3/31/2017 8:21:51 AM



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.42 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

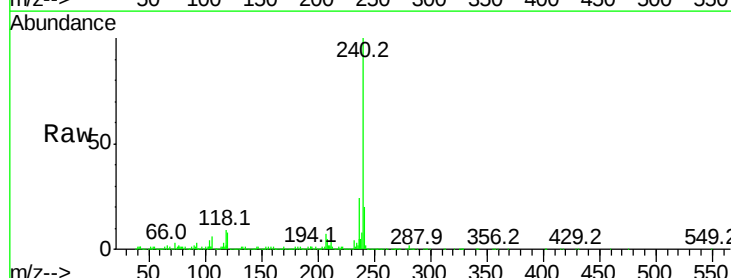
Tgt Ion:240 Resp: 909370

Ion Ratio Lower Upper

240 100

120 8.4 8.2 12.2

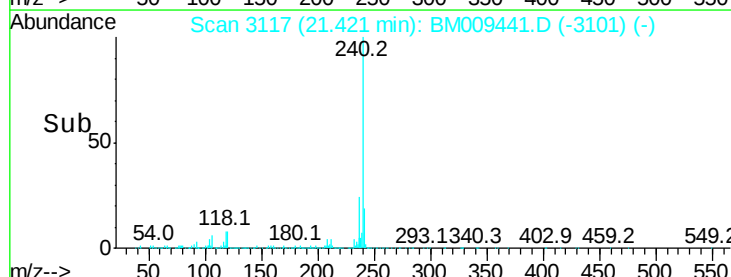
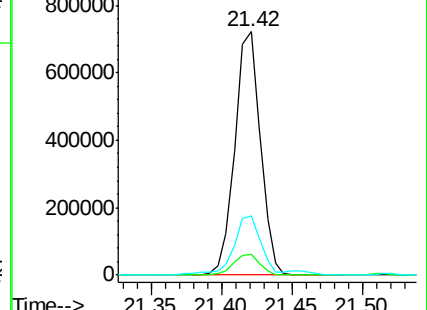
236 24.4 20.0 30.0

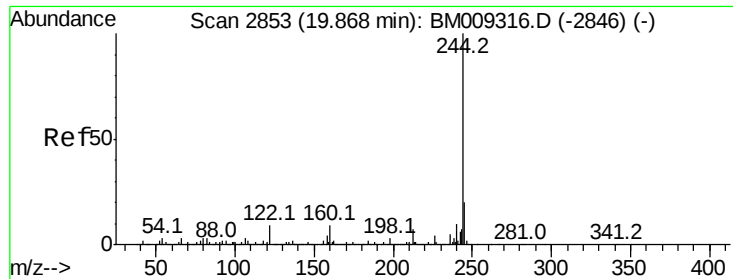


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 45.96 ng

RT: 19.86 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

Instrument :

BNA_M

ClientSampleId :

QNWP8-MW30D-GW

Tot Ion:244 Resp: 2000215

Ion Ratio Lower Upper

244 100

212 7.3 4.9 7.3

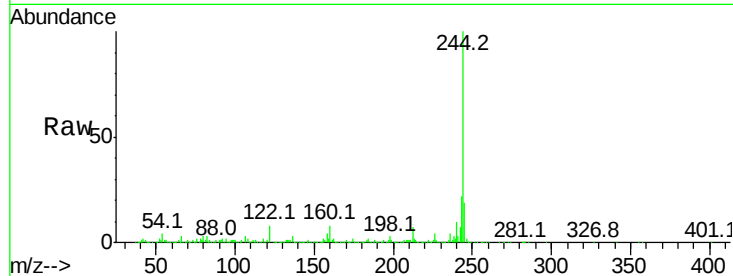
122 8.4 6.2 9.4

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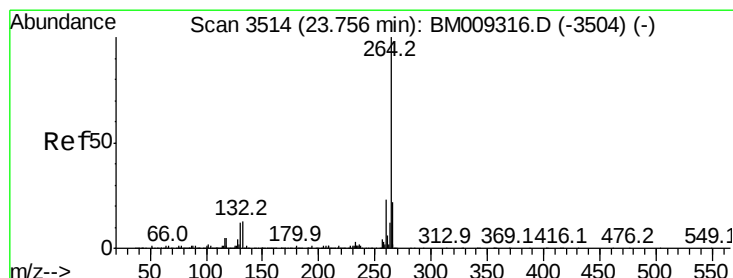
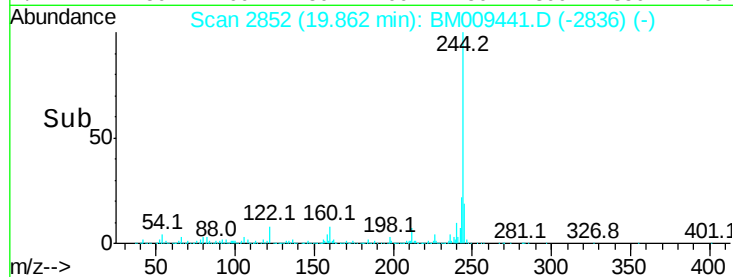
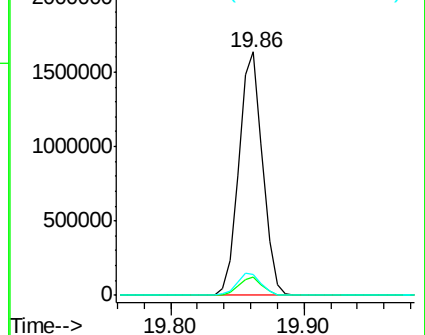
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.74 min Scan# 3511

Delta R.T. -0.02 min

Lab File: BM009441.D

Acq: 29 Mar 2017 20:23

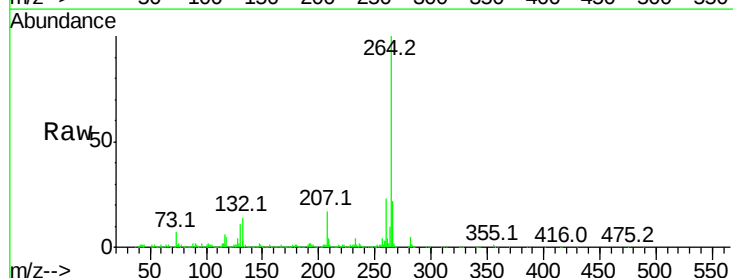
Tgt Ion:264 Resp: 879756

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 22.4 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

