

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081617\
 Data File : BM011255.D
 Acq On : 16 Aug 2017 13:33
 Operator : SJ/JU
 Sample : I4768-04RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 W-137TH-SLUDGE-52RE

Quant Time: Aug 16 14:33:31 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 16 02:25:04 2017
 Response via : Initial Calibration

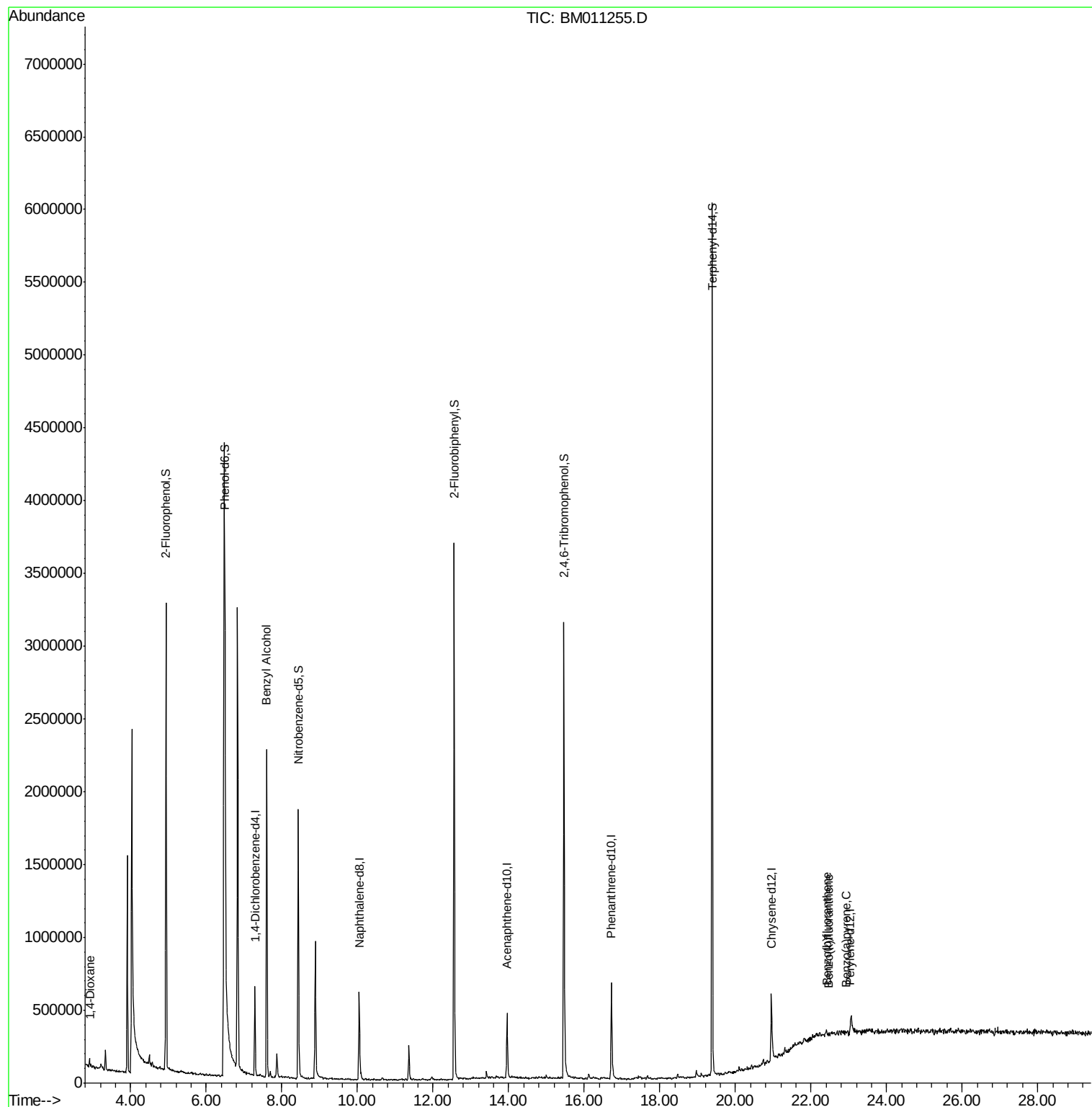
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	104792	20.00	ng	0.00
21) Naphthalene-d8	10.05	136	323453	20.00	ng	0.00
38) Acenaphthene-d10	13.96	164	103139	20.00	ng	0.00
63) Phenanthrene-d10	16.72	188	357544	20.00	ng	0.00
75) Chrysene-d12	20.94	240	127913	20.00	ng	0.00
86) Perylene-d12	23.02	264	797	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.93	112	811198	130.86	ng	0.00
7) Phenol-d6	6.49	99	729808	82.86	ng	0.00
23) Nitrobenzene-d5	8.43	82	1037380	120.37	ng	0.00
41) 2,4,6-Tribromophenol	15.46	330	419894	254.00	ng	0.00
44) 2-Fluorobiphenyl	12.56	172	1524785	185.41	ng	0.00
78) Terphenyl-d14	19.39	244	1669694	258.57	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.95	88	8265	2.969	ng	# 100
15) Benzyl Alcohol	7.60	79	22678	2.684	ng	# 38
87) Benzo(b)fluoranthene	22.42	252	1081	21.133	ng	# 1
88) Benzo(k)fluoranthene	22.47	252	560	11.422	ng	# 1
89) Benzo(a)pyrene	22.92	252	1217	26.293	ng	# 1

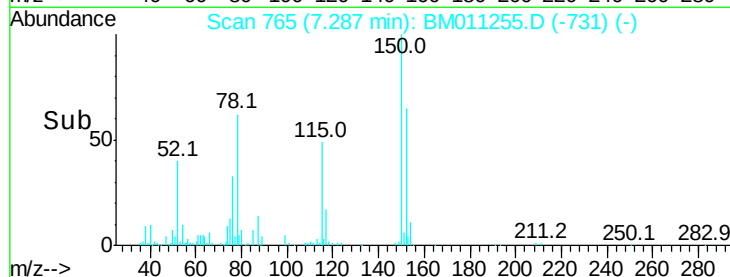
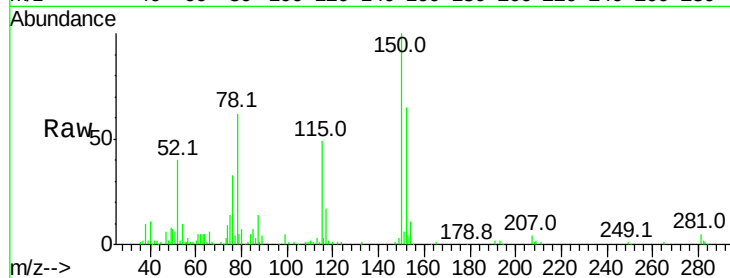
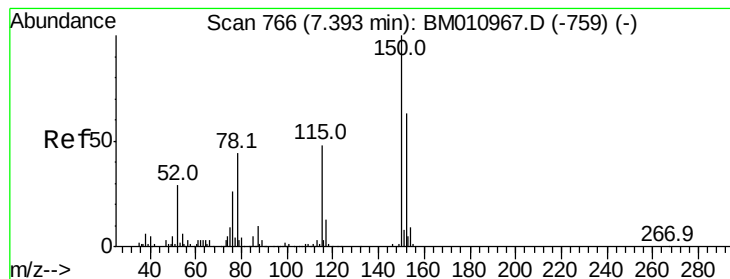
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.29 min Scan# 765

Delta R.T. 0.00 min

Lab File: BM011255.D

Acq: 16 Aug 2017 13:33

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BNA_M

ClientSampleId :

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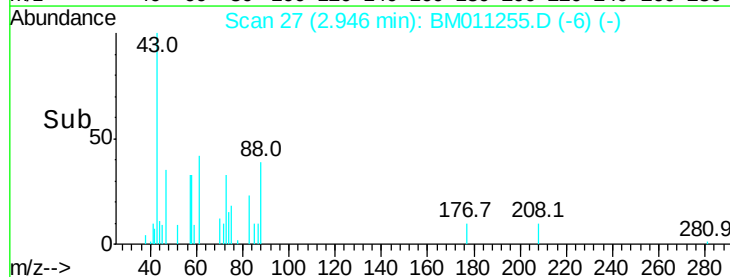
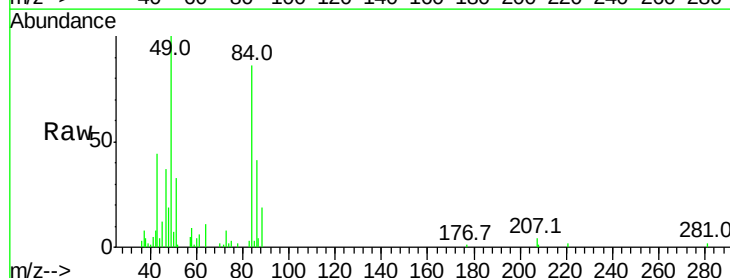
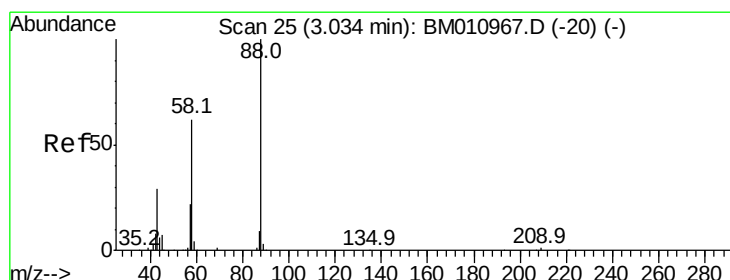
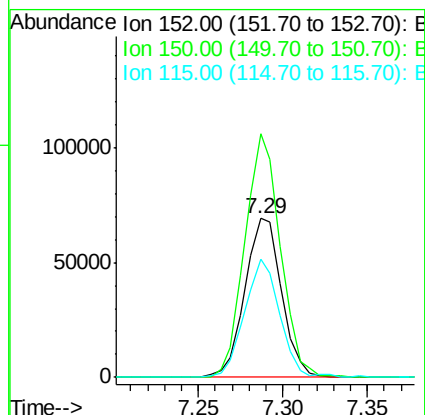
Tot Ion:152 Resp: 104792

Ion Ratio Lower Upper

152 100

150 153.1 119.5 179.3

115 74.5 43.0 64.4#



#2

1,4-Dioxane

Concen: 2.969 ng

RT: 2.95 min Scan# 27

Delta R.T. 0.02 min

Lab File: BM011255.D

Acq: 16 Aug 2017 13:33

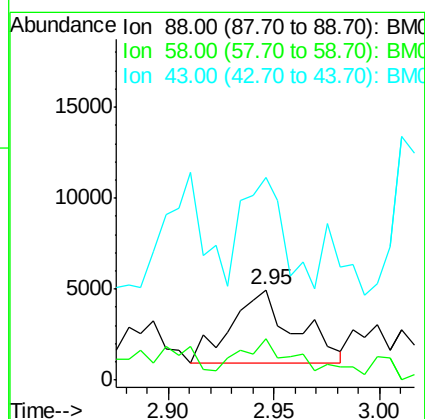
Tgt Ion: 88 Resp: 8265

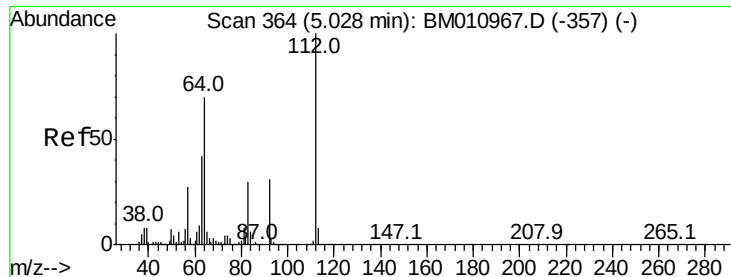
Ion Ratio Lower Upper

88 100

58 42.9 0.0 0.0#

43 105.3 0.0 0.0#





#5

2-Fluorophenol

Concen: 130.857 ng

RT: 4.93 min Scan# 365

Delta R.T. 0.01 min

Lab File: BM011255.D

Acq: 16 Aug 2017 13:33

Instrument :

BNA_M

ClientSampleId :

W-137TH-SLUDGE-52RE

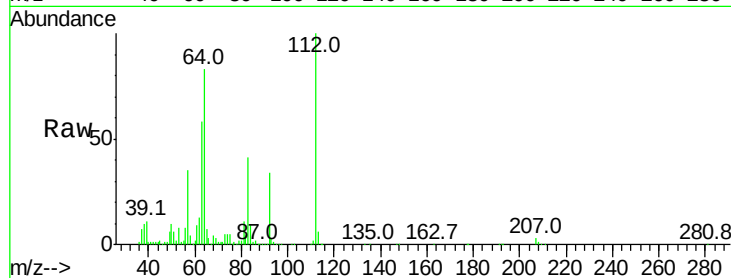
Tot Ion:112 Resp: 811198

Ion Ratio Lower Upper

112 100

64 82.9 38.6 57.8#

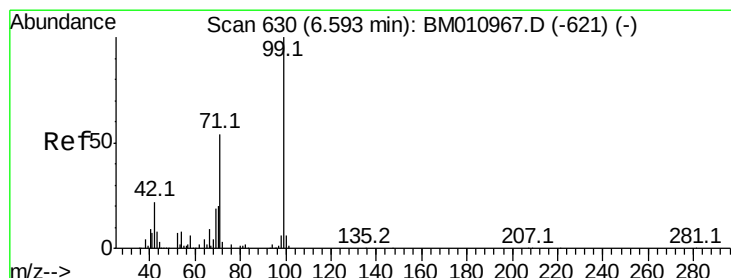
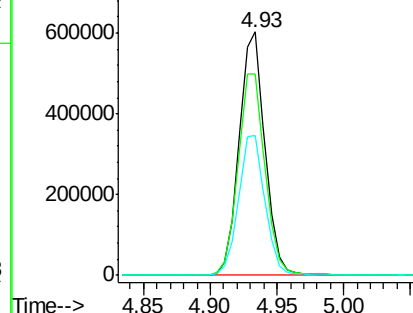
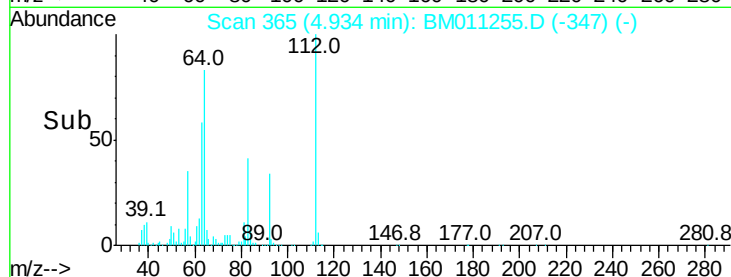
63 57.5 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 82.859 ng

RT: 6.49 min Scan# 630

Delta R.T. 0.00 min

Lab File: BM011255.D

Acq: 16 Aug 2017 13:33

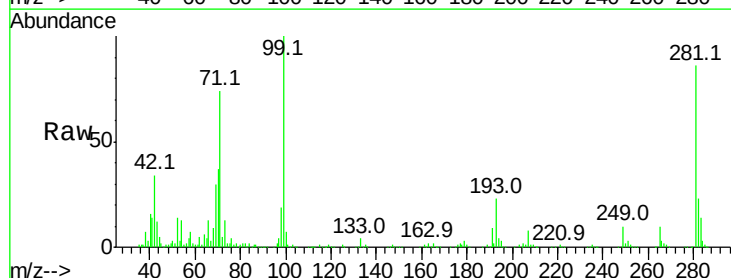
Tgt Ion: 99 Resp: 729808

Ion Ratio Lower Upper

99 100

42 33.6 11.0 16.4#

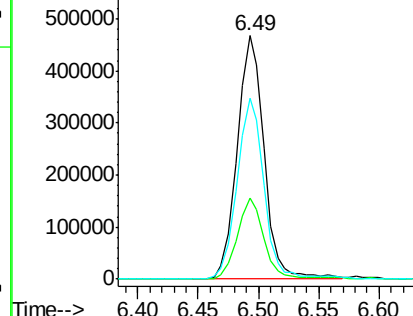
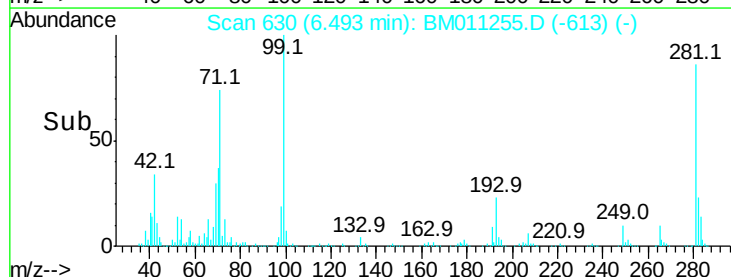
71 74.1 23.4 35.2#

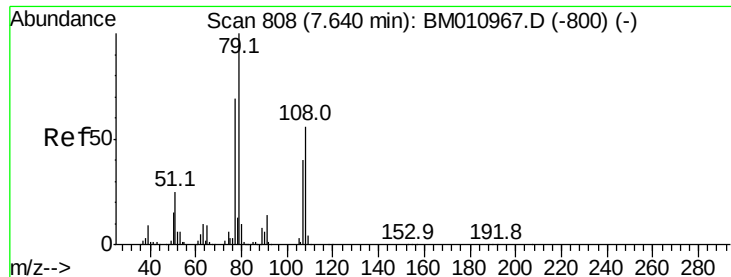


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B

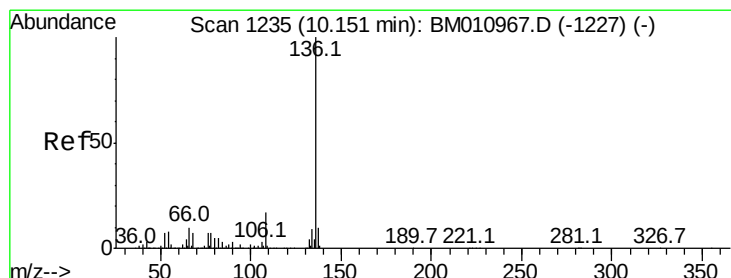
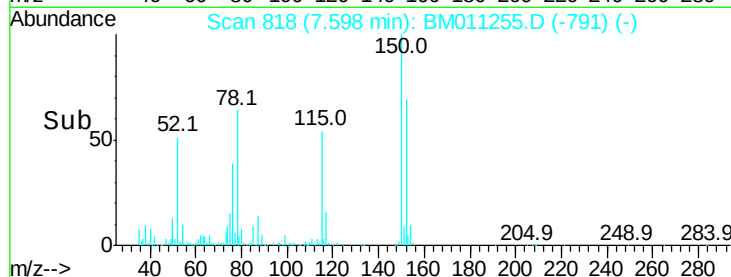
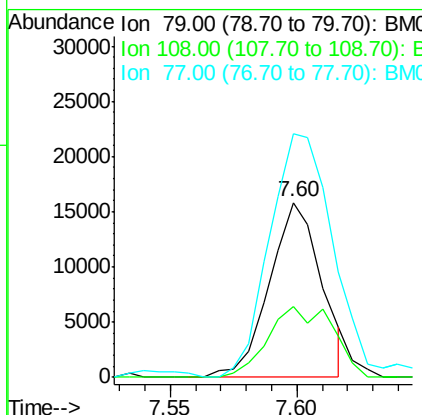
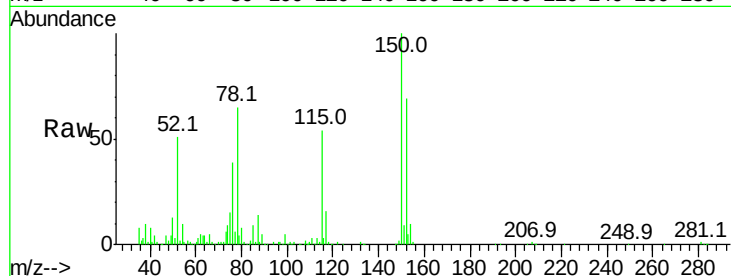




#15
Benzyl Alcohol
Concen: 2.684 ng
RT: 7.60 min Scan# 818
Delta R.T. 0.06 min
Lab File: BM011255.D
Acq: 16 Aug 2017 13:33

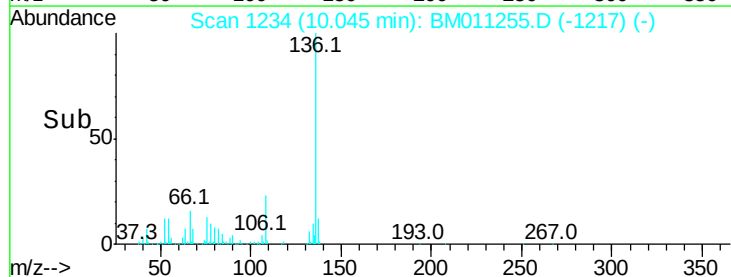
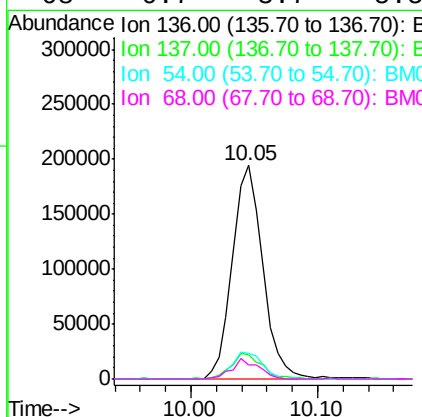
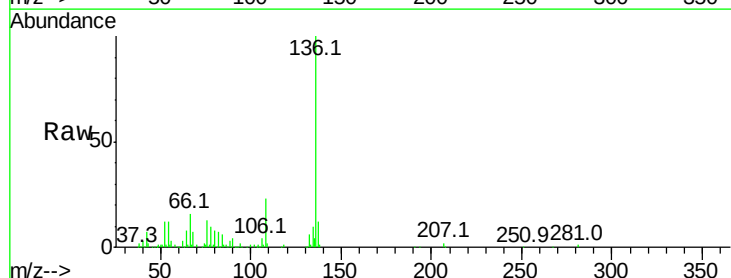
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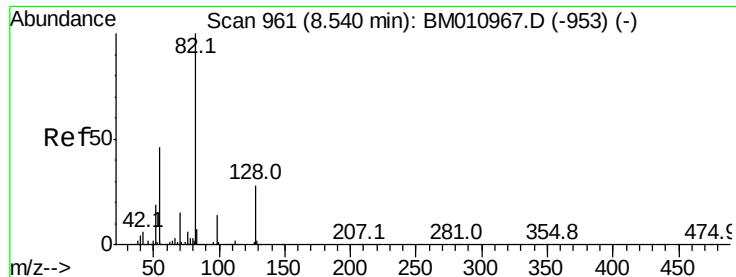
Tot Ion: 79 Resp: 22678
Ion Ratio Lower Upper
79 100
108 48.2 65.0 97.4#
77 139.5 53.0 79.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.05 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BM011255.D
Acq: 16 Aug 2017 13:33

Tgt Ion: 136 Resp: 323453
Ion Ratio Lower Upper
136 100
137 11.7 8.7 13.1
54 11.8 4.6 6.8#
68 6.7 3.7 5.5#

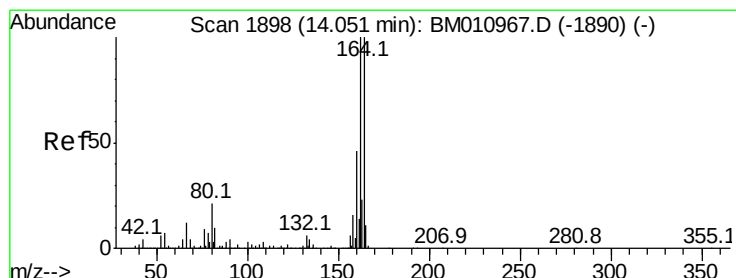
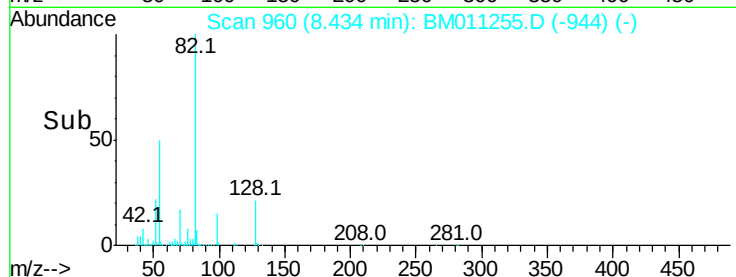
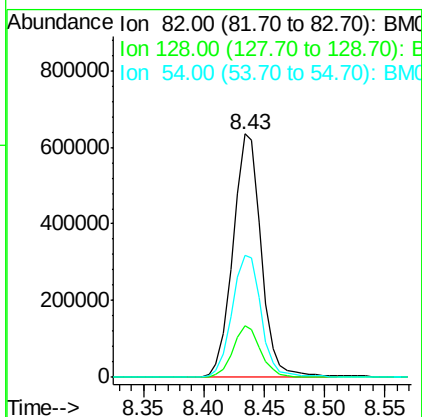
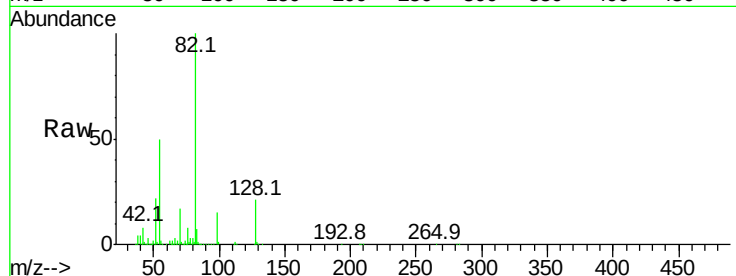




#23
 Nitrobenzene-d5
 Concen: 120.372 ng
 RT: 8.43 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BM011255.D
 Acq: 16 Aug 2017 13:33

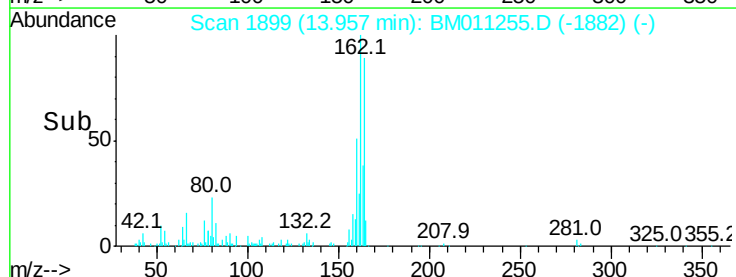
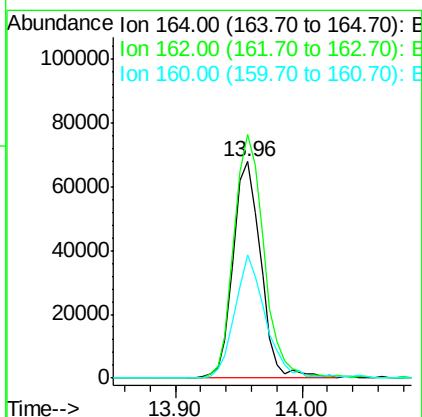
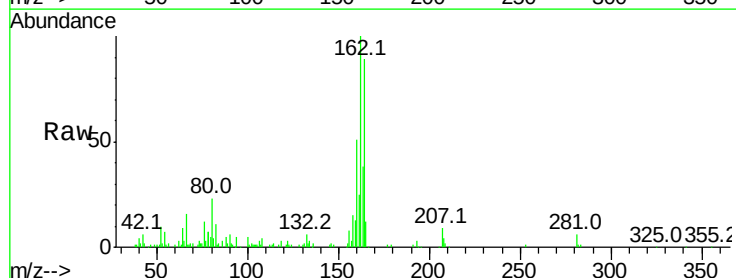
Instrument :
 BNA_M
 ClientSampleId :
 W-137TH-SLUDGE-52RE

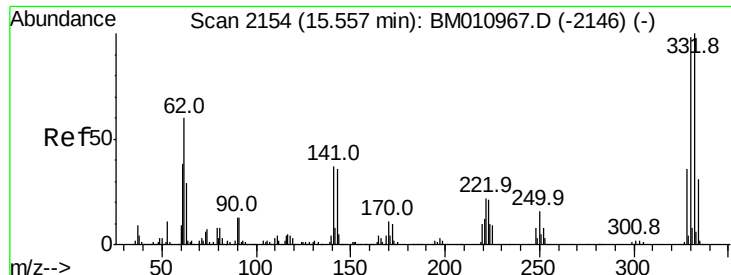
Tot Ion: 82 Resp: 1037380
 Ion Ratio Lower Upper
 82 100
 128 20.9 32.8 49.2#
 54 50.3 40.6 60.8



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 13.96 min Scan# 1899
 Delta R.T. 0.00 min
 Lab File: BM011255.D
 Acq: 16 Aug 2017 13:33

Tgt Ion:164 Resp: 103139
 Ion Ratio Lower Upper
 164 100
 162 112.6 82.4 123.6
 160 57.0 35.8 53.6#





#41

2,4,6-Tribromophenol

Concen: 254.004 ng

RT: 15.46 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BM011255.D

Acq: 16 Aug 2017 13:33

Instrument :

BNA_M

ClientSampleId :

W-137TH-SLUDGE-52RE

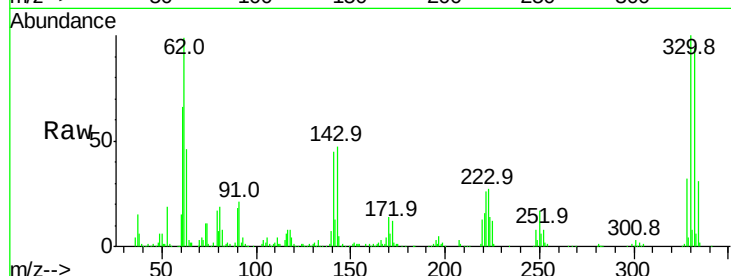
Tot Ion:330 Resp: 419894

Ion Ratio Lower Upper

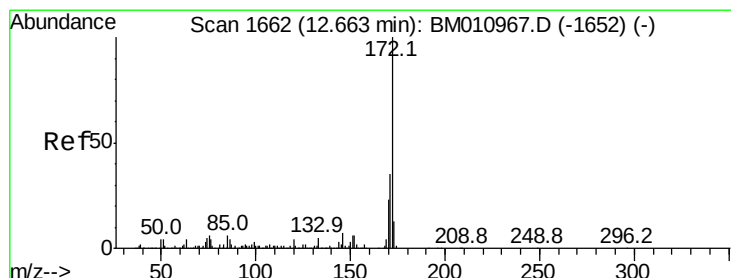
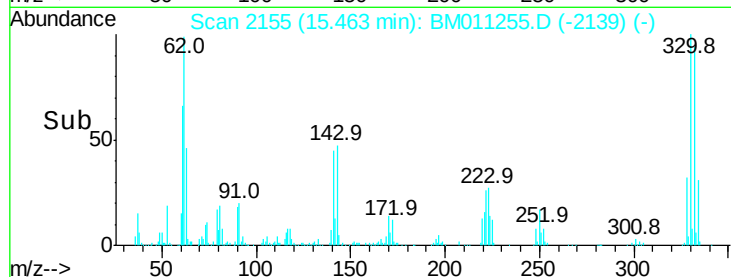
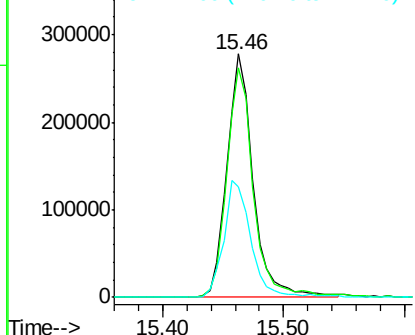
330 100

332 95.2 0.0 0.0#

141 49.4 0.0 0.0#



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: 185.409 ng

RT: 12.56 min Scan# 1662

Delta R.T. 0.00 min

Lab File: BM011255.D

Acq: 16 Aug 2017 13:33

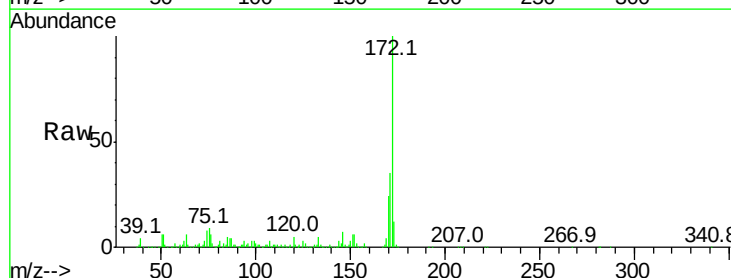
Tgt Ion:172 Resp: 1524785

Ion Ratio Lower Upper

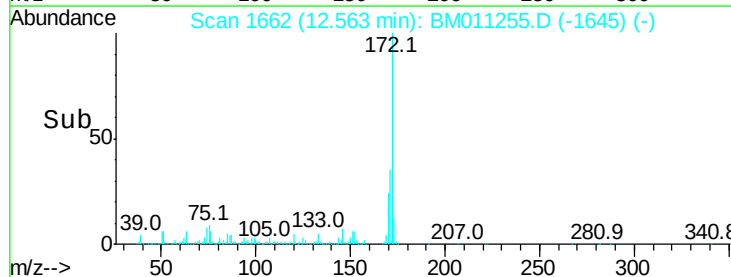
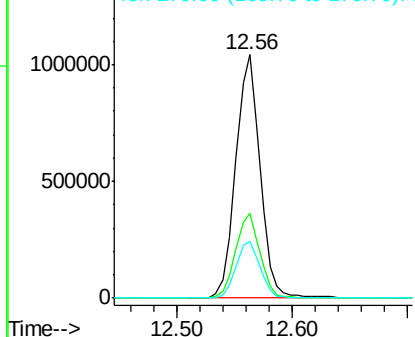
172 100

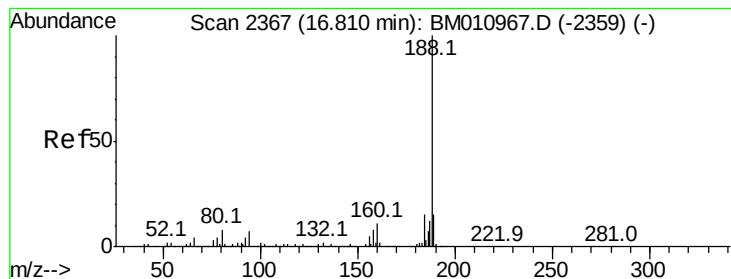
171 35.1 28.5 42.7

170 23.5 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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.72 min Scan# 2369

Delta R.T. 0.01 min

Lab File: BM011255.D

Acq: 16 Aug 2017 13:33

Instrument :

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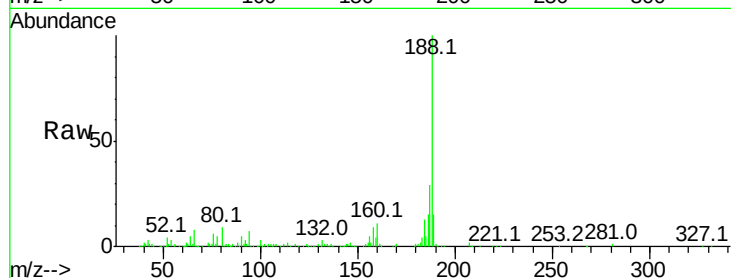
Tot Ion:188 Resp: 357544

Ion Ratio Lower Upper

188 100

94 7.4 8.7 13.1#

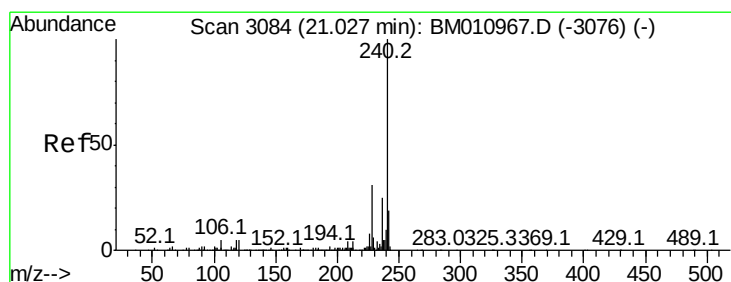
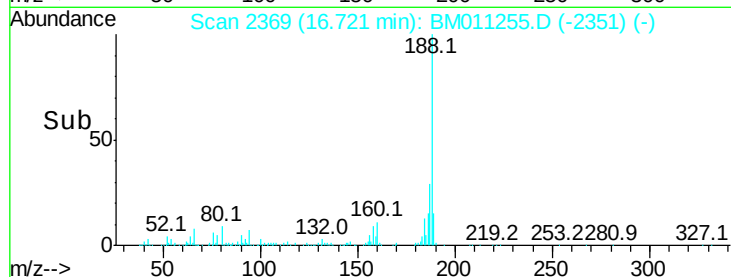
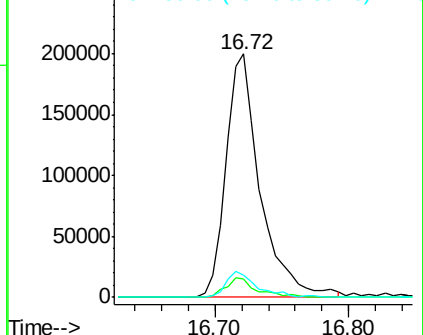
80 9.1 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#75

Chrysene-d12

Concen: 20.000 ng

RT: 20.94 min Scan# 3087

Delta R.T. 0.00 min

Lab File: BM011255.D

Acq: 16 Aug 2017 13:33

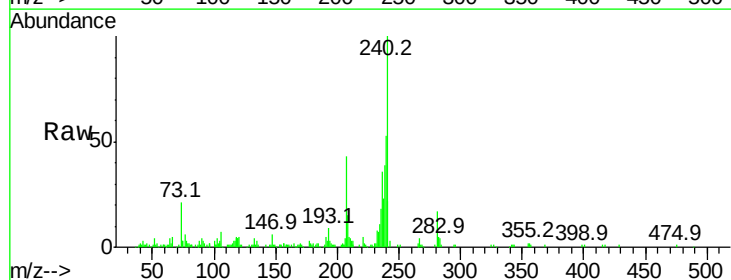
Tgt Ion:240 Resp: 127913

Ion Ratio Lower Upper

240 100

120 5.4 8.2 12.2#

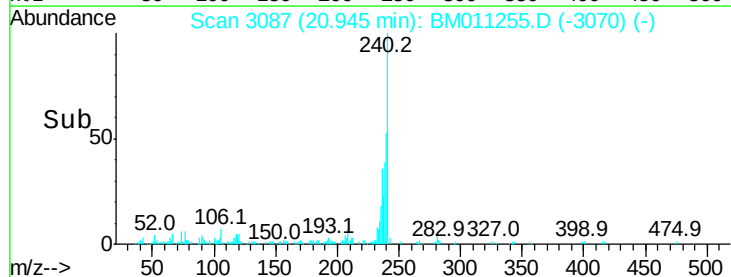
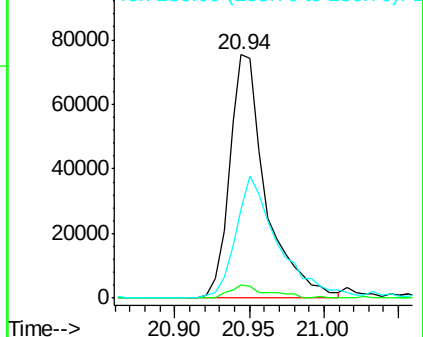
236 36.3 20.0 30.0#

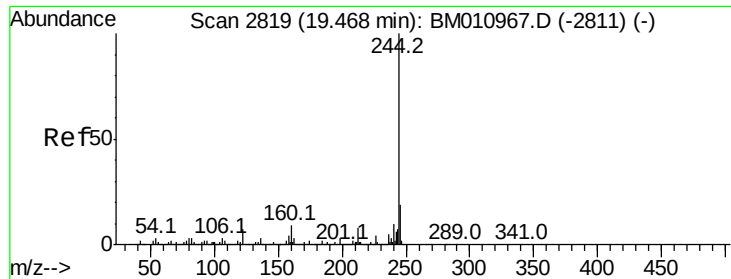


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 258.570 ng

RT: 19.39 min Scan# 2822

Delta R.T. 0.00 min

Lab File: BM011255.D

Acq: 16 Aug 2017 13:33

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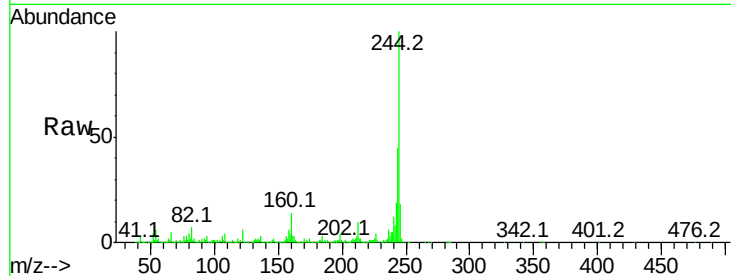
Tot Ion:244 Resp: 1669694

Ion Ratio Lower Upper

244 100

212 9.5 4.9 7.3#

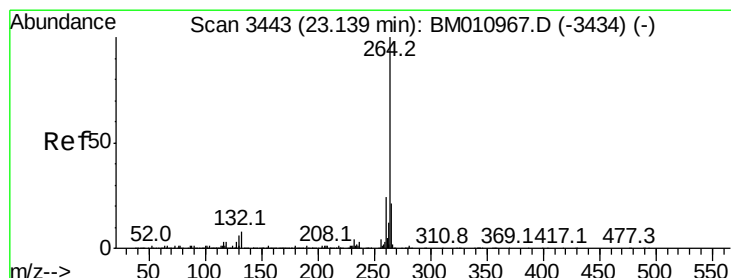
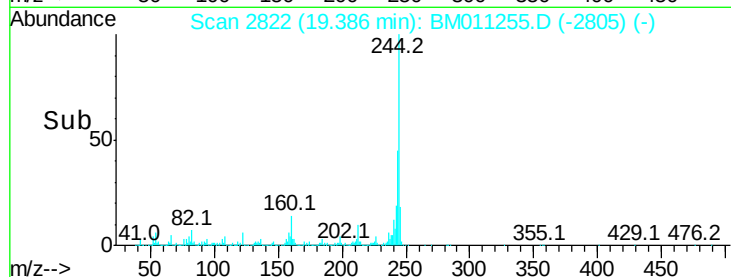
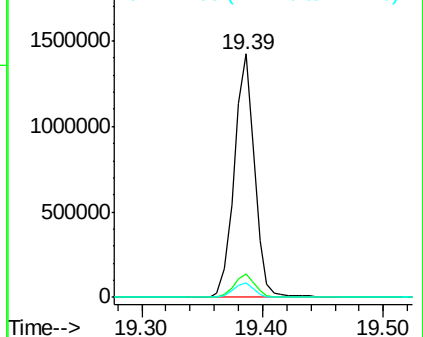
122 6.1 6.2 9.4#



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: 20.000 ng

RT: 23.02 min Scan# 3440

Delta R.T. 0.00 min

Lab File: BM011255.D

Acq: 16 Aug 2017 13:33

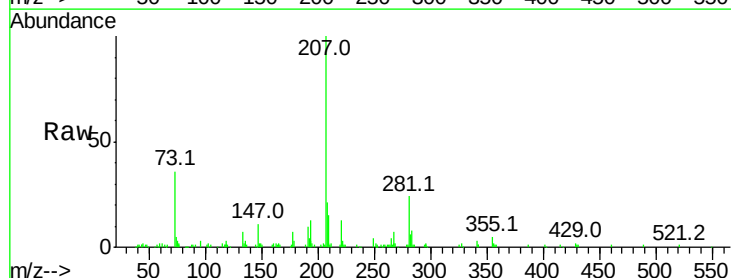
Tgt Ion:264 Resp: 797

Ion Ratio Lower Upper

264 100

260 0.0 18.6 27.8#

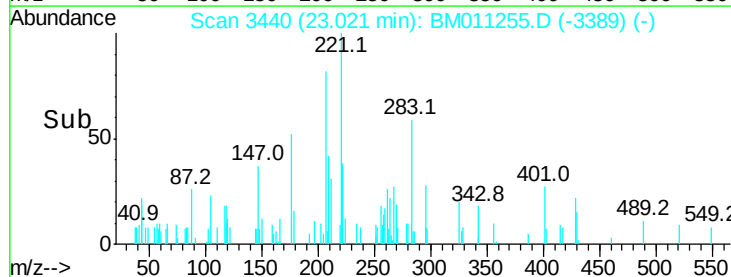
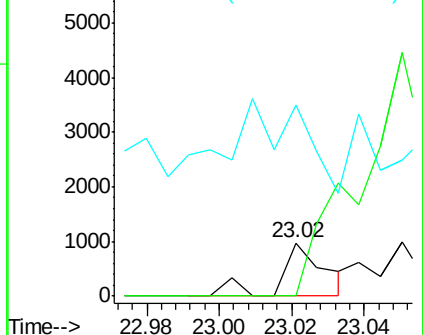
265 360.9 17.3 25.9#

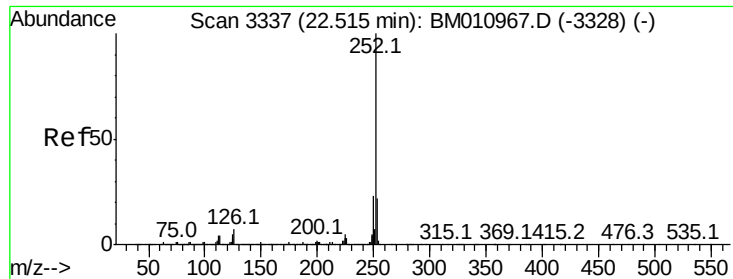


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 21.133 ng

RT: 22.42 min Scan# 3337

Delta R.T. 0.00 min

Lab File: BM011255.D

Acq: 16 Aug 2017 13:33

Instrument :

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ClientSampleId :

W-137TH-SLUDGE-52RE

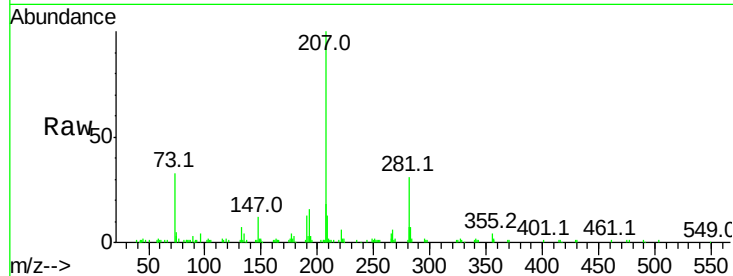
Tot Ion:252 Resp: 1081

Ion Ratio Lower Upper

252 100

253 98.3 18.0 27.0#

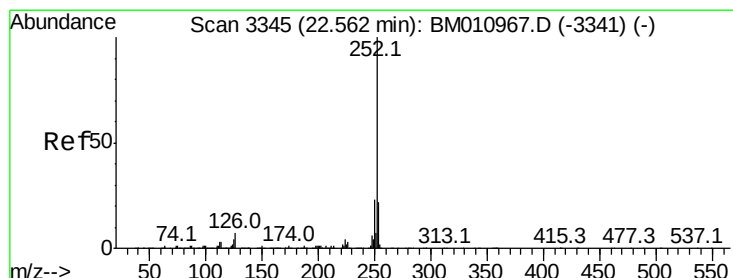
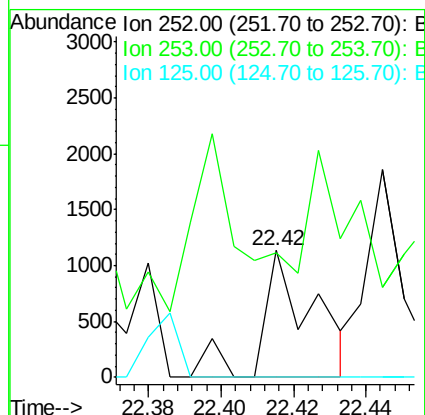
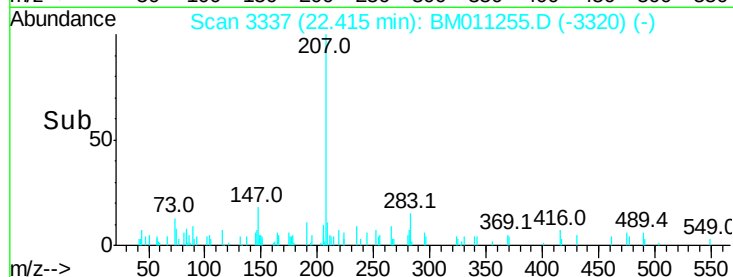
125 0.0 9.9 14.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 11.422 ng

RT: 22.47 min Scan# 3346

Delta R.T. 0.01 min

Lab File: BM011255.D

Acq: 16 Aug 2017 13:33

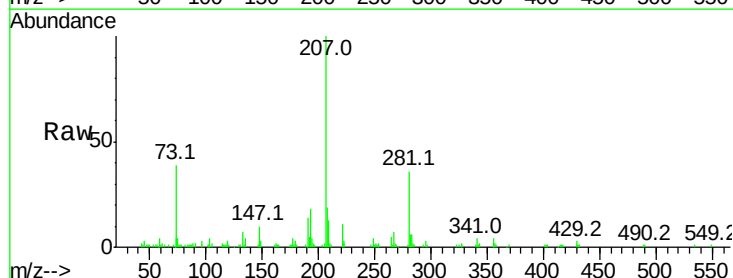
Tgt Ion:252 Resp: 560

Ion Ratio Lower Upper

252 100

253 135.7 17.2 25.8#

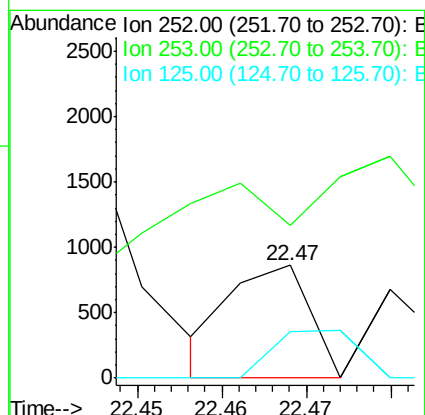
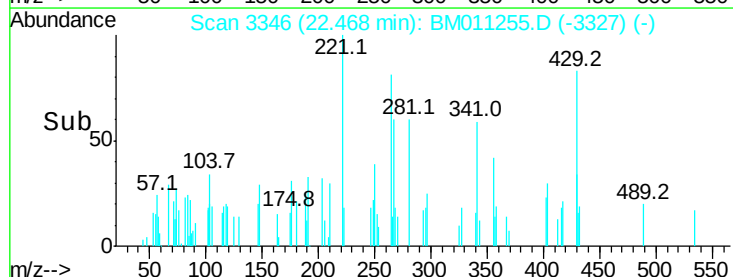
125 40.9 8.1 12.1#

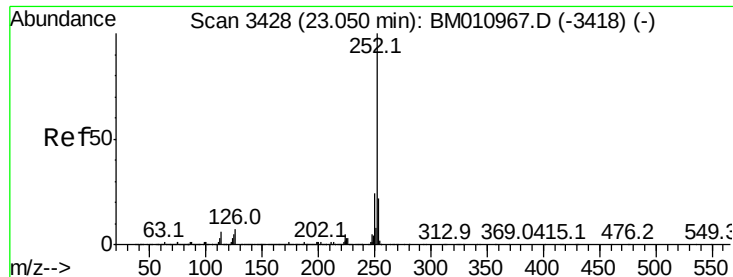


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 26.293 ng

RT: 22.92 min Scan# 3422

Delta R.T. -0.02 min

Lab File: BM011255.D

Acq: 16 Aug 2017 13:33

Instrument :

BNA_M

ClientSampleId :

W-137TH-SLUDGE-52RE

Tot Ion: 252 Resp: 1217

Ion Ratio Lower Upper

252 100

253 119.9 17.6 26.4#

125 0.0 7.4 11.2#

