

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071917\
 Data File : BM010894.D
 Acq On : 19 Jul 2017 15:37
 Operator : SJ/JU
 Sample : I4234-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 M-COMB-02

Quant Time: Jul 20 01:08:49 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM071217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 12 14:21:16 2017
 Response via : Initial Calibration

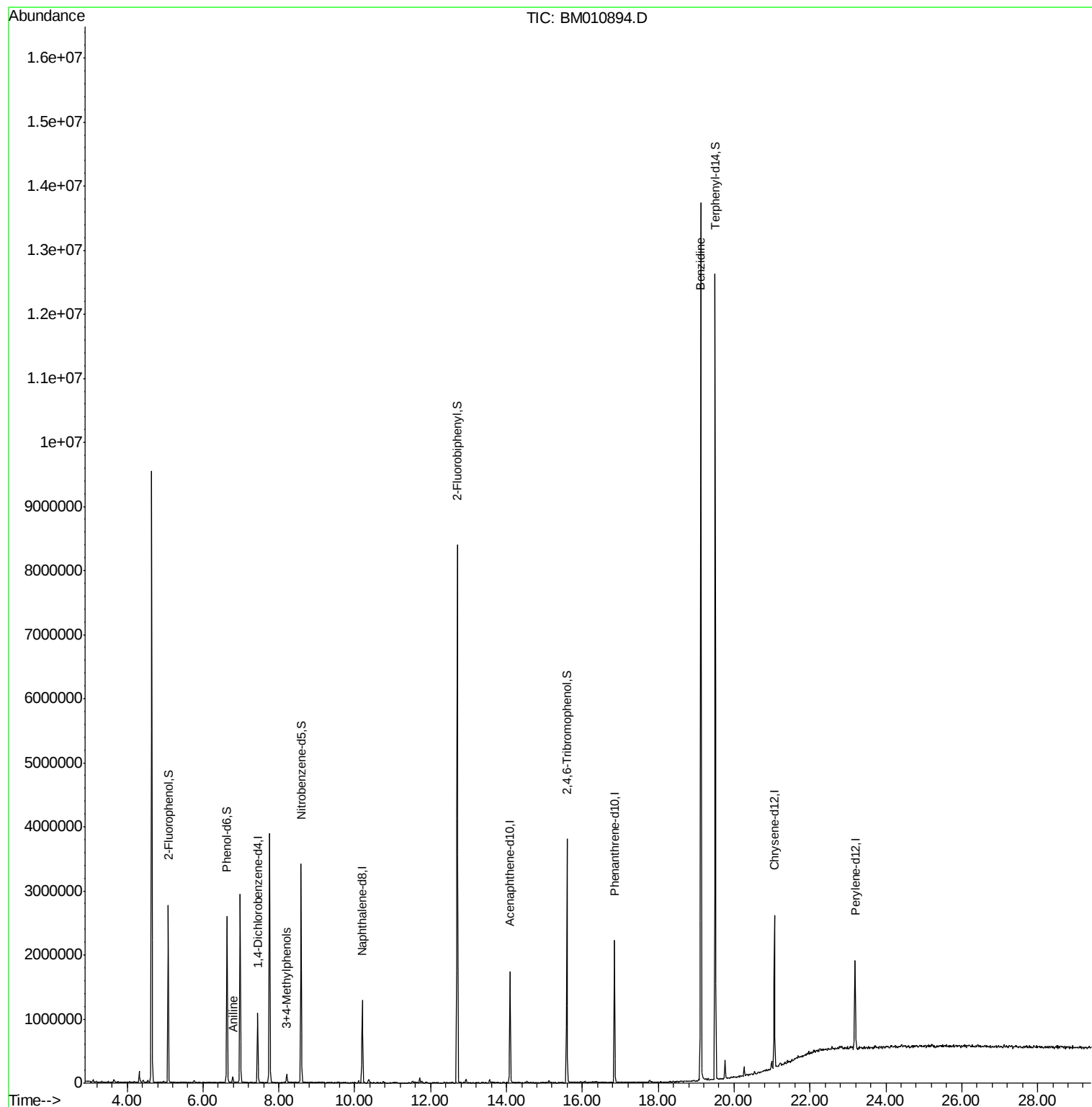
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	220326	20.00	ng	-0.01
21) Naphthalene-d8	10.20	136	822058	20.00	ng	-0.01
38) Acenaphthene-d10	14.09	164	509870	20.00	ng	0.00
63) Phenanthrene-d10	16.84	188	1134625	20.00	ng	0.00
75) Chrysene-d12	21.06	240	1122140	20.00	ng	0.00
86) Perylene-d12	23.19	264	966367	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	842094	63.31	ng	0.00
7) Phenol-d6	6.63	99	1104475	60.23	ng	0.00
23) Nitrobenzene-d5	8.59	82	1846903	86.36	ng	0.00
41) 2,4,6-Tribromophenol	15.59	330	538077	69.06	ng	0.00
44) 2-Fluorobiphenyl	12.70	172	3650716	89.07	ng	0.00
78) Terphenyl-d14	19.50	244	4912141	84.66	ng	0.00
Target Compounds						
6) Aniline	6.79	93	48659	2.118	ng	96
20) 3+4-Methylphenols	8.20	107	48618	2.791	ng	83
76) Benzidine	19.13	184	6437452	214.377	ng	100

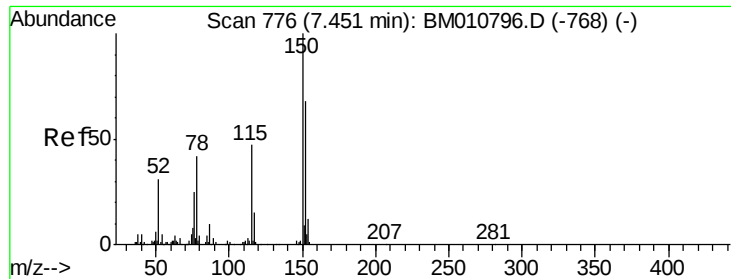
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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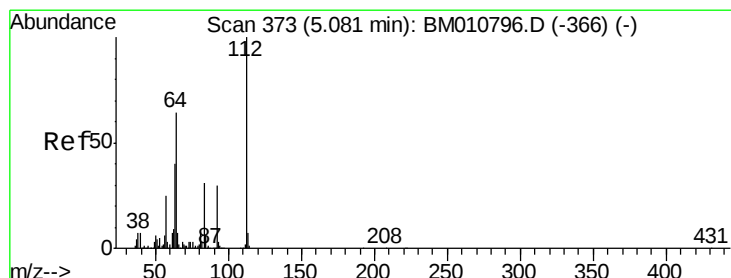
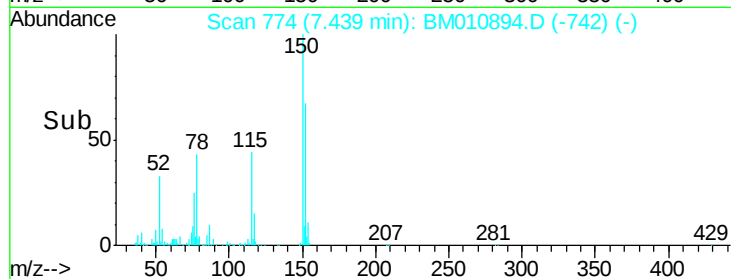
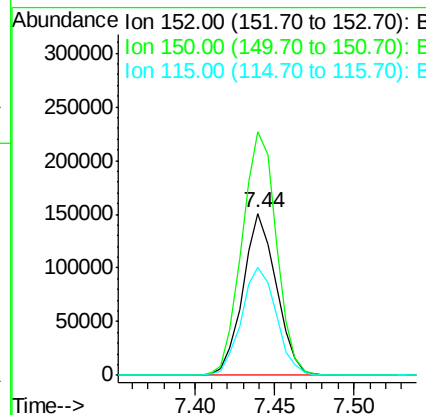
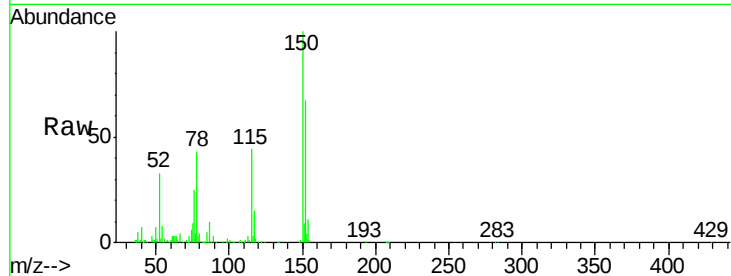


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.44 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM010894.D
Acq: 19 Jul 2017 15:37

Instrument :
BNA_M
ClientSampleId :
M-COMB-02

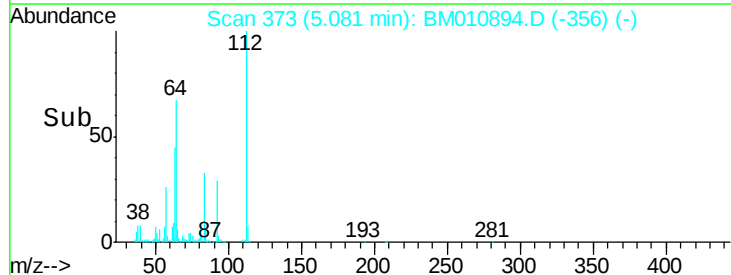
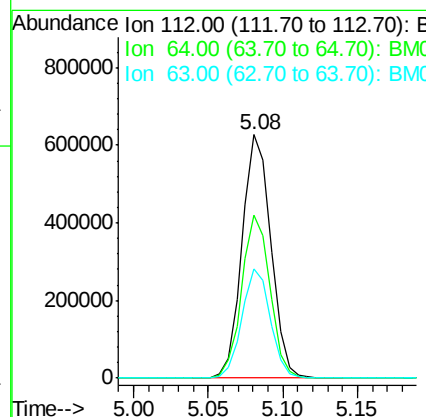
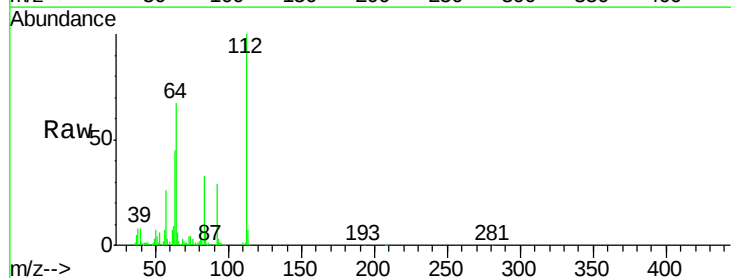
Tgt Ion:152 Resp: 220326
Ion Ratio Lower Upper
152 100
150 150.3 119.5 179.3
115 66.4 43.0 64.4#

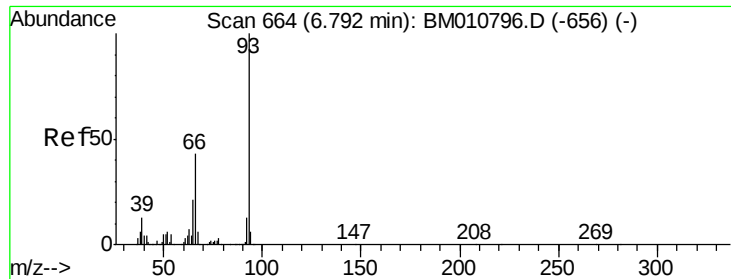


#5

2-Fluorophenol
Concen: 63.312 ng
RT: 5.08 min Scan# 373
Delta R.T. 0.00 min
Lab File: BM010894.D
Acq: 19 Jul 2017 15:37

Tgt Ion:112 Resp: 842094
Ion Ratio Lower Upper
112 100
64 66.9 38.6 57.8#
63 45.1 19.3 28.9#





#6

Aniline

Concen: 2.118 ng

RT: 6.79 min Scan# 663

Delta R.T. -0.01 min

Lab File: BM010894.D

Acq: 19 Jul 2017 15:37

Instrument :

BNA_M

ClientSampleId :

M-COMB-02

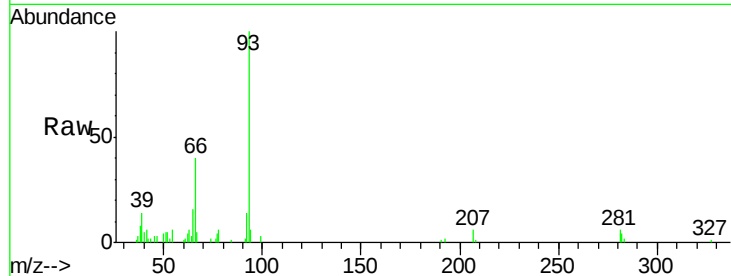
Tgt Ion: 93 Resp: 48659

Ion Ratio Lower Upper

93 100

66 39.8 30.8 46.2

65 16.2 16.0 24.0

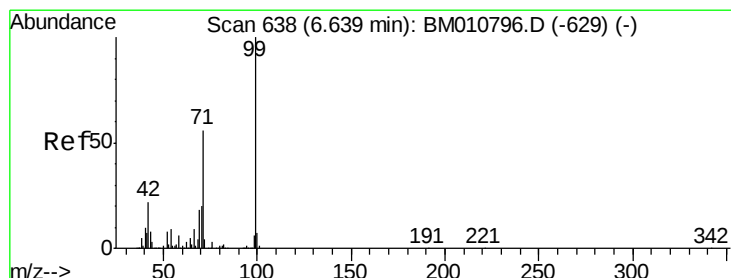
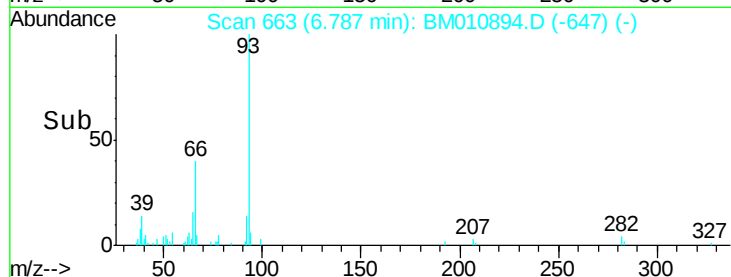
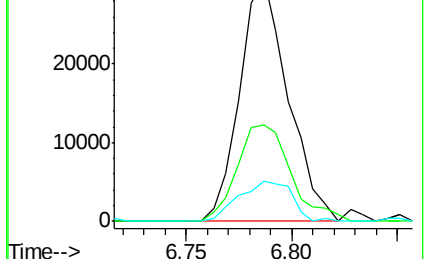


Abundance Ion 93.00 (92.70 to 93.70): BM010796.D (-656) (-)

Ion 66.00 (65.70 to 66.70): BM010796.D (-656) (-)

Ion 65.00 (64.70 to 65.70): BM010796.D (-656) (-)

Time-->



#7

Phenol-d6

Concen: 60.234 ng

RT: 6.63 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM010894.D

Acq: 19 Jul 2017 15:37

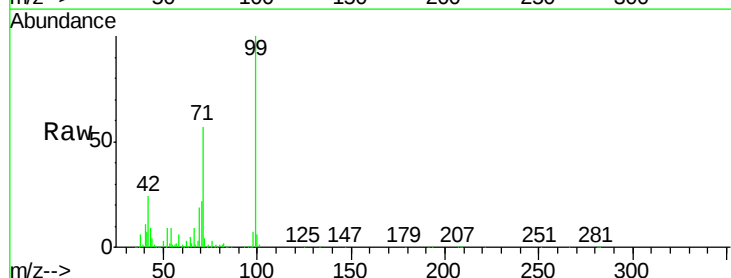
Tgt Ion: 99 Resp: 1104475

Ion Ratio Lower Upper

99 100

42 23.5 11.0 16.4#

71 56.9 23.4 35.2#

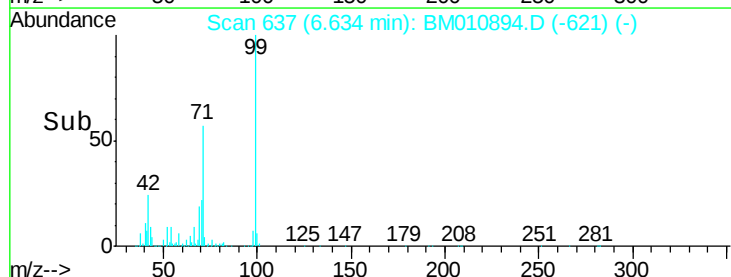
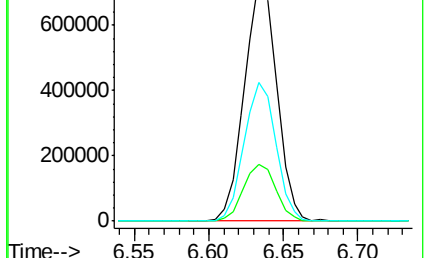


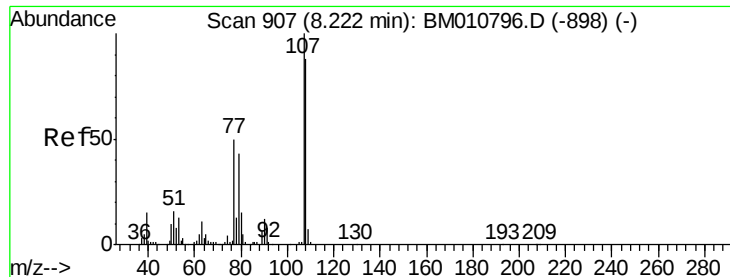
Abundance Ion 99.00 (98.70 to 99.70): BM010796.D (-629) (-)

Ion 42.00 (41.70 to 42.70): BM010796.D (-629) (-)

Ion 71.00 (70.70 to 71.70): BM010796.D (-629) (-)

Time-->

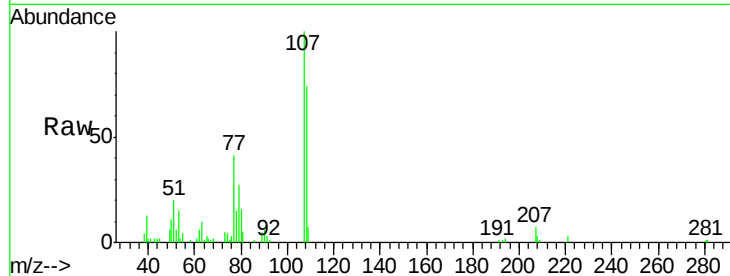




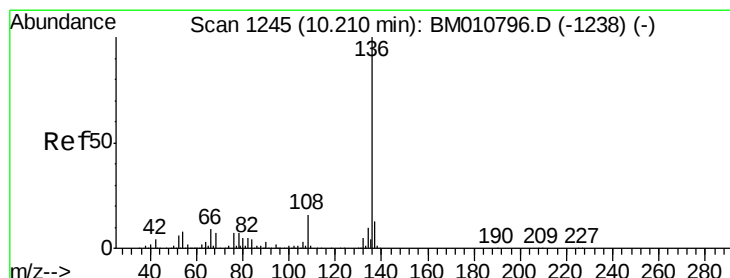
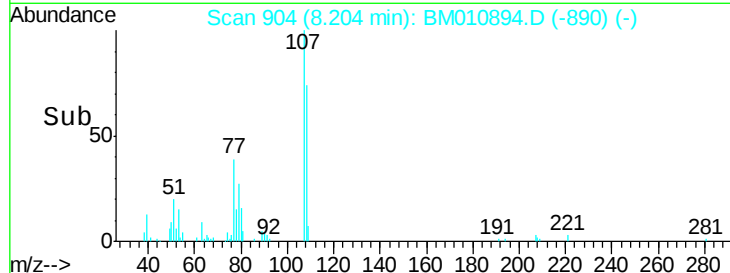
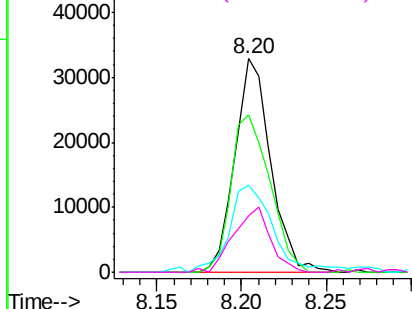
#20
3+4-Methylphenols
Concen: 2.791 ng
RT: 8.20 min Scan# 904
Delta R.T. -0.02 min
Lab File: BM010894.D
Acq: 19 Jul 2017 15:37

Instrument :
BNA_M
ClientSampleId :
M-COMB-02

Tgt Ion:	107	Resp:	48618
Ion	Ratio	Lower	Upper
107	100		
108	73.7	73.2	113.2
77	40.7	10.7	50.7
79	26.6	9.6	49.6

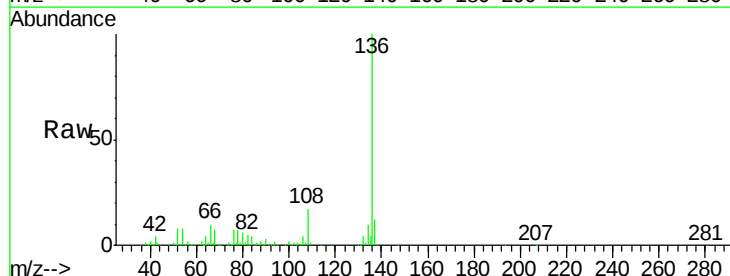


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

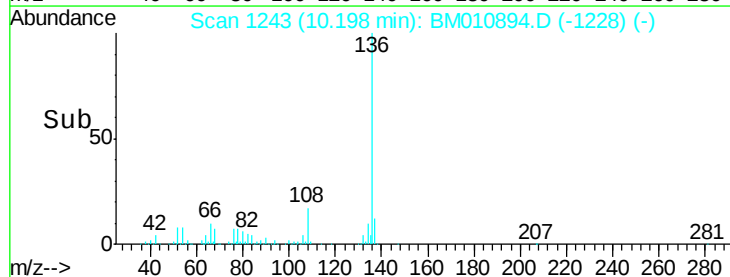
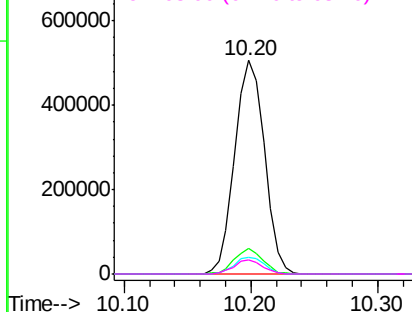


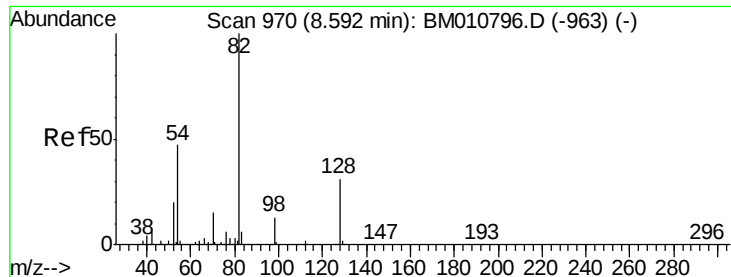
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.20 min Scan# 1243
Delta R.T. -0.01 min
Lab File: BM010894.D
Acq: 19 Jul 2017 15:37

Tgt Ion:	136	Resp:	822058
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.7	13.1
54	7.9	4.6	6.8#
68	6.5	3.7	5.5#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

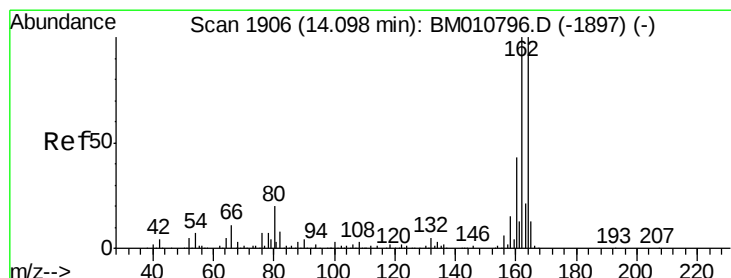
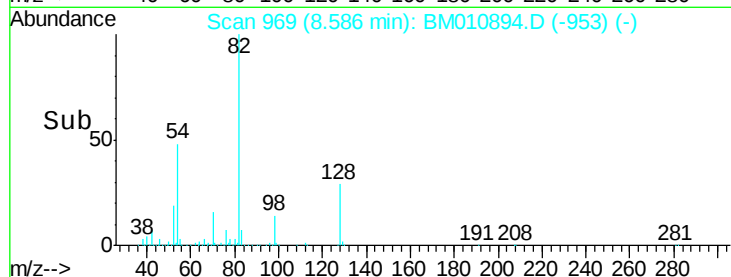
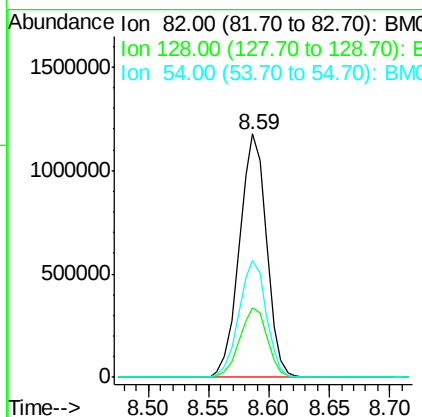
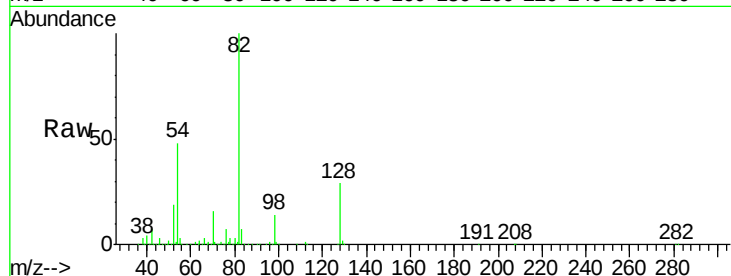




#23
 Nitrobenzene-d5
 Concen: 86.357 ng
 RT: 8.59 min Scan# 969
 Delta R.T. -0.01 min
 Lab File: BM010894.D
 Acq: 19 Jul 2017 15:37

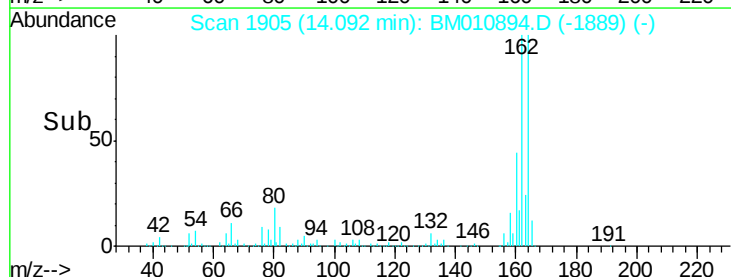
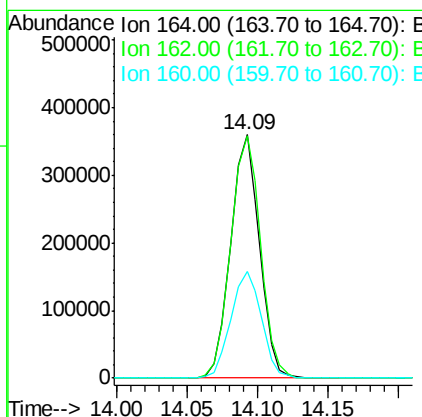
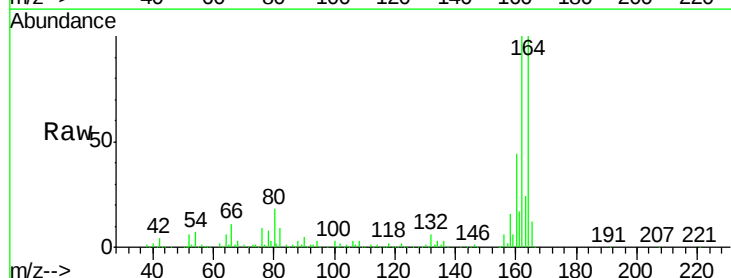
Instrument :
 BNA_M
 ClientSampleId :
 M-COMB-02

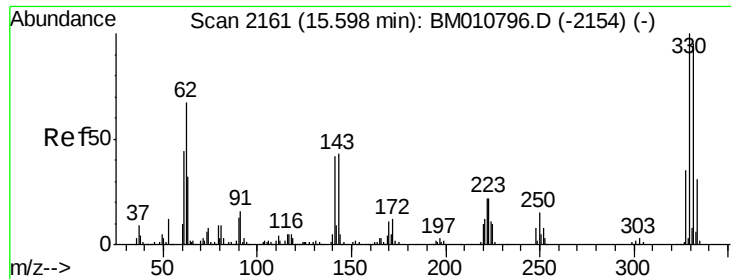
Tgt Ion: 82 Resp: 1846903
 Ion Ratio Lower Upper
 82 100
 128 28.8 32.8 49.2#
 54 48.0 40.6 60.8



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.09 min Scan# 1905
 Delta R.T. -0.01 min
 Lab File: BM010894.D
 Acq: 19 Jul 2017 15:37

Tgt Ion: 164 Resp: 509870
 Ion Ratio Lower Upper
 164 100
 162 99.6 82.4 123.6
 160 43.8 35.8 53.6

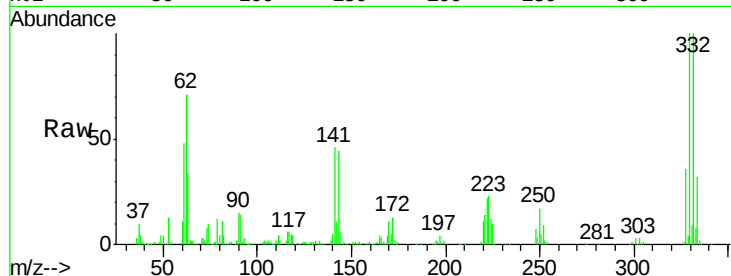




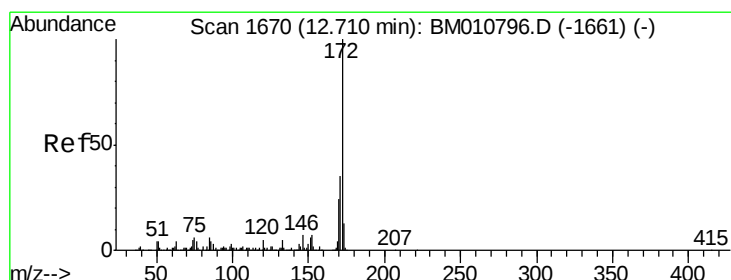
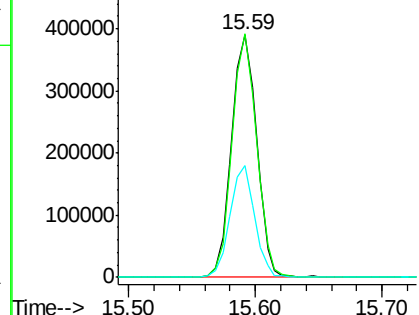
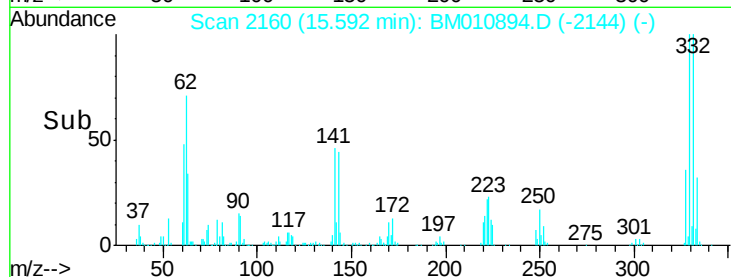
#41
 2,4,6-Tribromophenol
 Concen: 69.057 ng
 RT: 15.59 min Scan# 2160
 Delta R.T. -0.01 min
 Lab File: BM010894.D
 Acq: 19 Jul 2017 15:37

Instrument :
 BNA_M
 ClientSampleId :
 M-COMB-02

Tgt Ion: 330 Resp: 538077
 Ion Ratio Lower Upper
 330 100
 332 97.5 0.0 0.0#
 141 44.9 0.0 0.0#

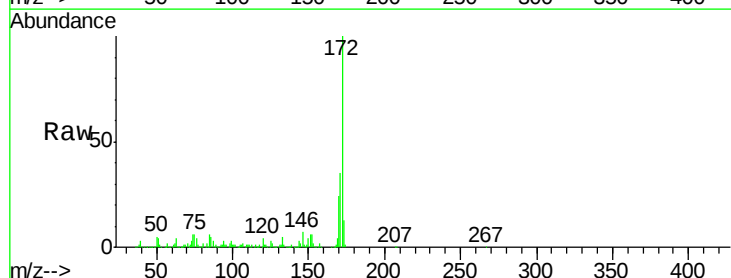


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

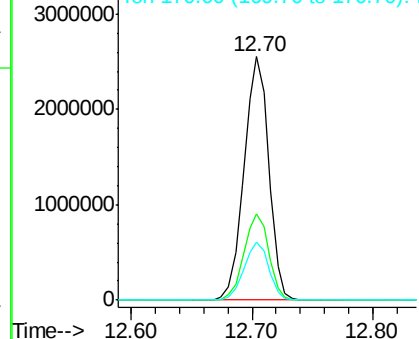
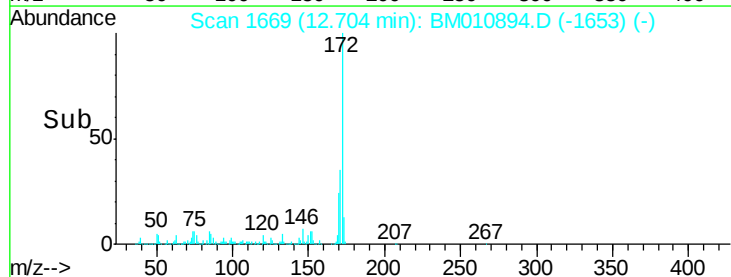


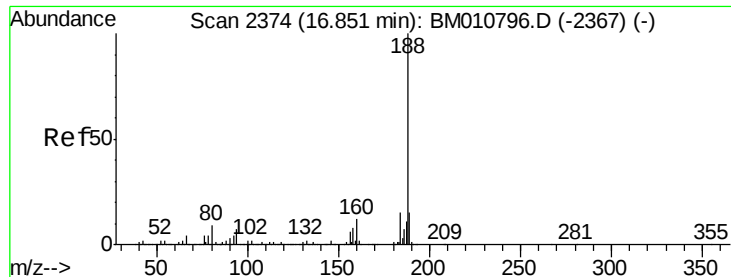
#44
 2-Fluorobiphenyl
 Concen: 89.073 ng
 RT: 12.70 min Scan# 1669
 Delta R.T. -0.01 min
 Lab File: BM010894.D
 Acq: 19 Jul 2017 15:37

Tgt Ion: 172 Resp: 3650716
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.5 42.7
 170 23.8 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: 16.84 min Scan# 2373

Delta R.T. -0.01 min

Lab File: BM010894.D

Acq: 19 Jul 2017 15:37

Instrument :

BNA_M

ClientSampleId :

M-COMB-02

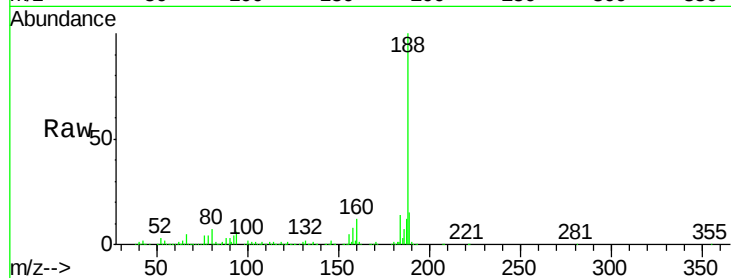
Tgt Ion:188 Resp: 1134625

Ion Ratio Lower Upper

188 100

94 6.4 8.7 13.1#

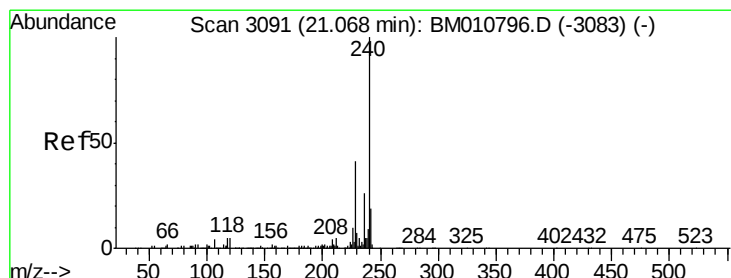
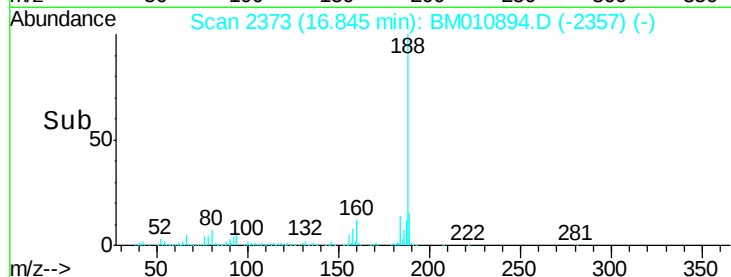
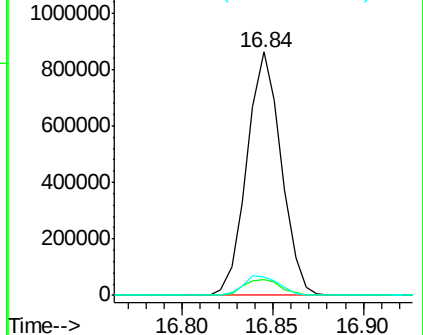
80 7.4 9.3 13.9#



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: 21.06 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM010894.D

Acq: 19 Jul 2017 15:37

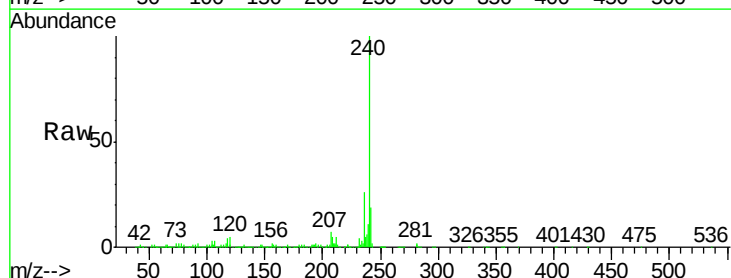
Tgt Ion:240 Resp: 1122140

Ion Ratio Lower Upper

240 100

120 4.5 8.2 12.2#

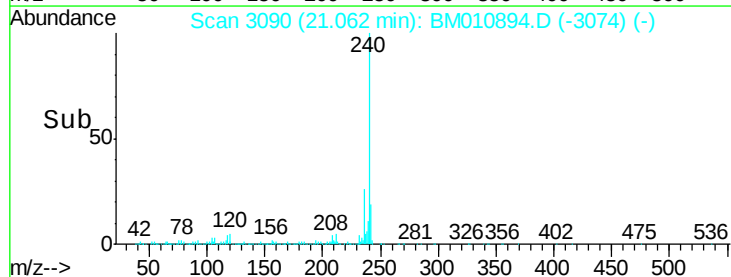
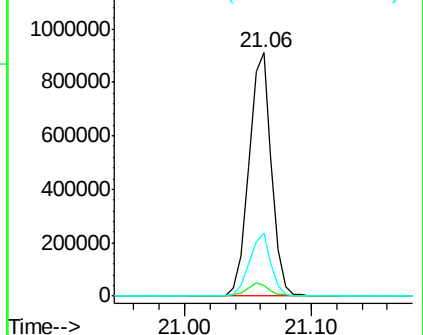
236 25.8 20.0 30.0

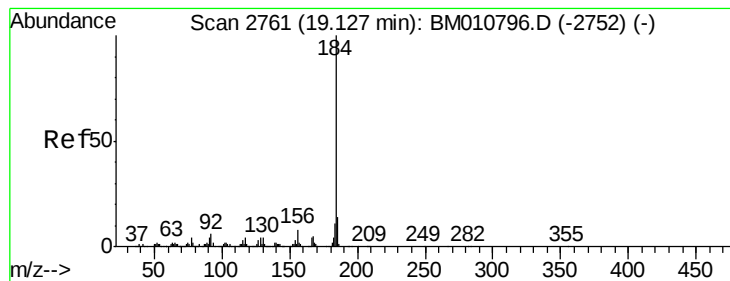


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 214.377 ng

RT: 19.13 min Scan# 2761

Delta R.T. 0.00 min

Lab File: BM010894.D

Acq: 19 Jul 2017 15:37

Instrument :

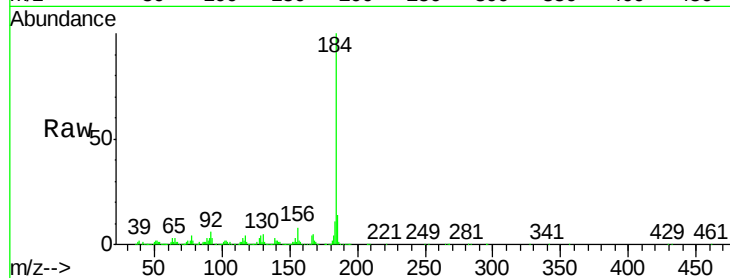
BNA_M

ClientSampleId :

M-COMB-02

Tgt Ion:184 Resp: 6437452

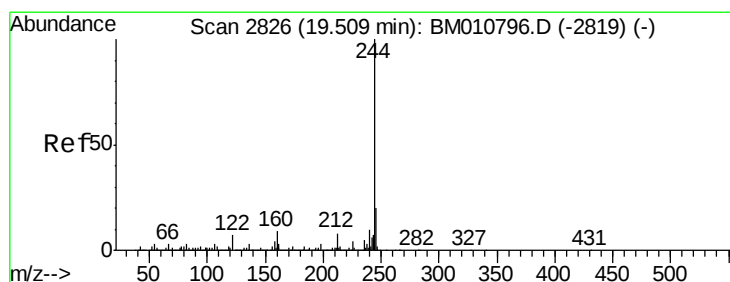
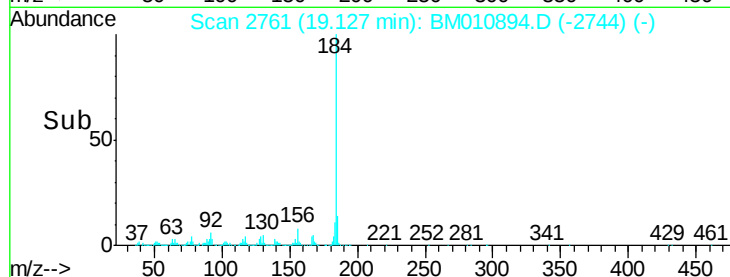
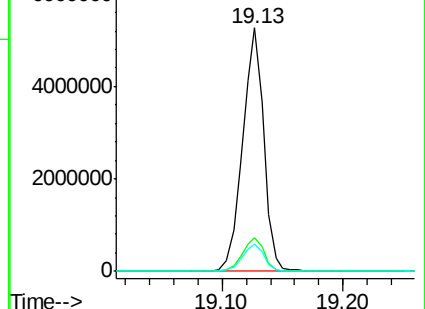
Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.3	16.9
183	11.2	8.9	13.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 84.665 ng

RT: 19.50 min Scan# 2825

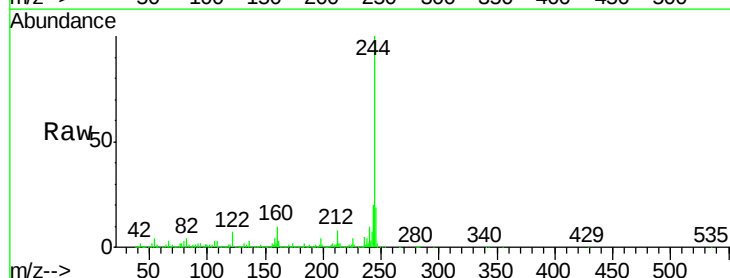
Delta R.T. -0.01 min

Lab File: BM010894.D

Acq: 19 Jul 2017 15:37

Tgt Ion:244 Resp: 4912141

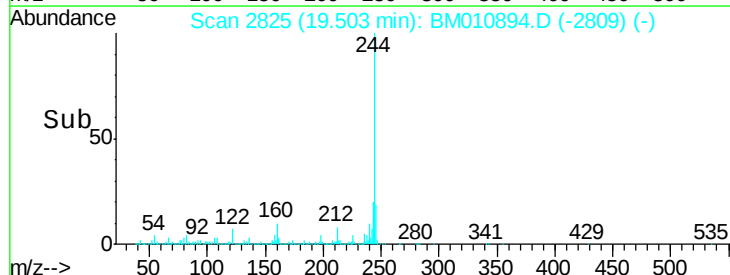
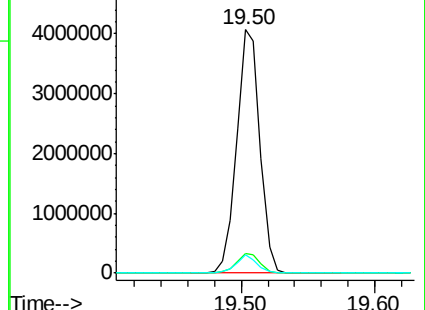
Ion	Ratio	Lower	Upper
244	100		
212	8.3	4.9	7.3#
122	7.3	6.2	9.4

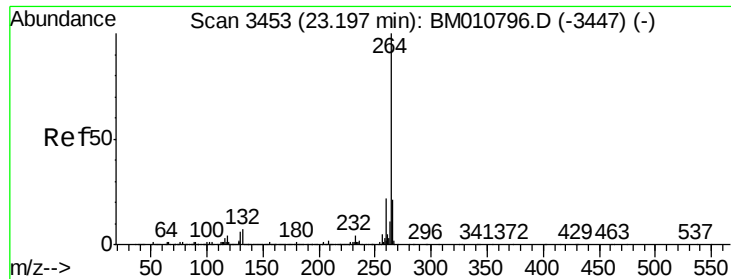


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

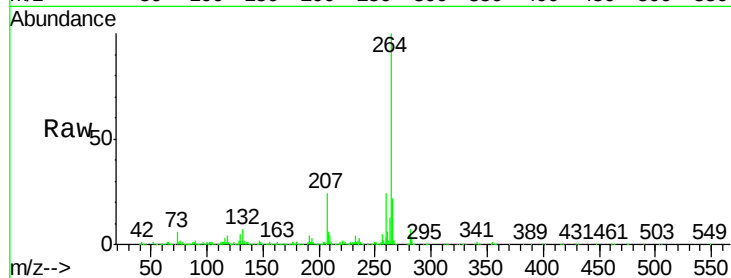




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.19 min Scan# 3452
Delta R.T. -0.01 min
Lab File: BM010894.D
Acq: 19 Jul 2017 15:37

Instrument :
BNA_M
ClientSampleId :
M-COMB-02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	27.8
265	21.8	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

