

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072717\
 Data File : BM011028.D
 Acq On : 28 Jul 2017 01:35
 Operator : SJ/JU
 Sample : I4446-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 28 02:34:06 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 17:29:06 2017
 Response via : Initial Calibration

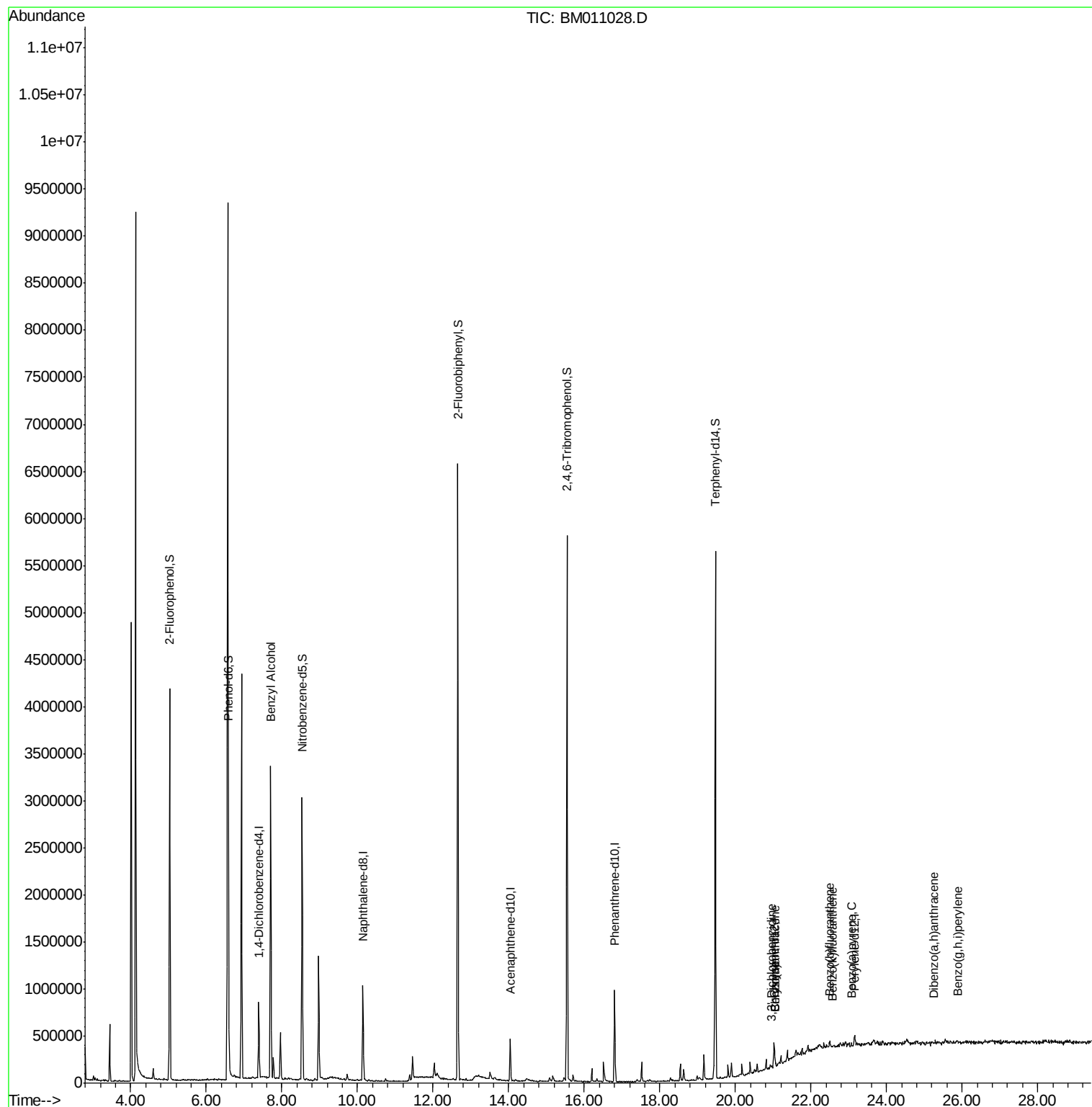
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	153716	20.00	ng	0.00
21) Naphthalene-d8	10.15	136	520181	20.00	ng	0.00
38) Acenaphthene-d10	14.05	164	109758	20.00	ng	0.00
63) Phenanthrene-d10	16.80	188	389758	20.00	ng	-0.01
75) Chrysene-d12	21.02	240	24514	20.00	ng	0.00
86) Perylene-d12	23.15	264	635	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	1251797	137.66	ng	0.00
7) Phenol-d6	6.59	99	711109	55.04	ng	0.00
23) Nitrobenzene-d5	8.53	82	1608578	116.06	ng	0.00
41) 2,4,6-Tribromophenol	15.55	330	781792	444.40	ng	0.00
44) 2-Fluorobiphenyl	12.66	172	2831614	323.55	ng	0.00
78) Terphenyl-d14	19.46	244	1443471	1166.41	ng	0.00
Target Compounds						
15) Benzyl Alcohol	7.70	79	28507	2.30	ng	# 38
80) Benzo(a)anthracene	21.05	228	3598	2.57	ng	# 1
81) 3,3'-Dichlorobenzidine	20.96	252	2008	3.66	ng	# 26
82) Chrysene	21.05	228	3598	2.68	ng	# 1
87) Benzo(b)fluoranthene	22.50	252	1948	47.80	ng	# 18
88) Benzo(k)fluoranthene	22.56	252	2388	61.13	ng	# 25
89) Benzo(a)pyrene	23.07	252	376	10.20	ng	# 1
90) Dibenzo(a,h)anthracene	25.25	278	108	3.16	ng	# 1
91) Benzo(g,h,i)perylene	25.87	276	177	5.27	ng	# 52

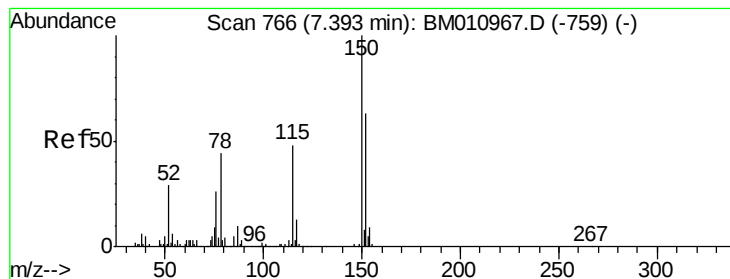
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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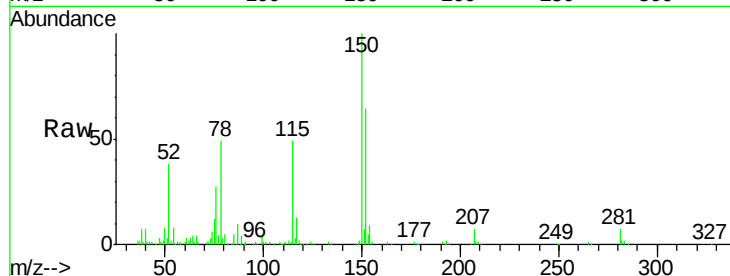


#1

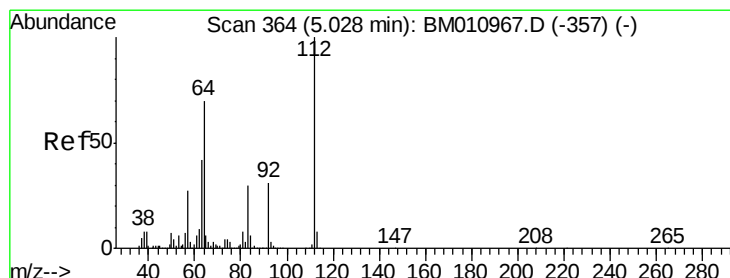
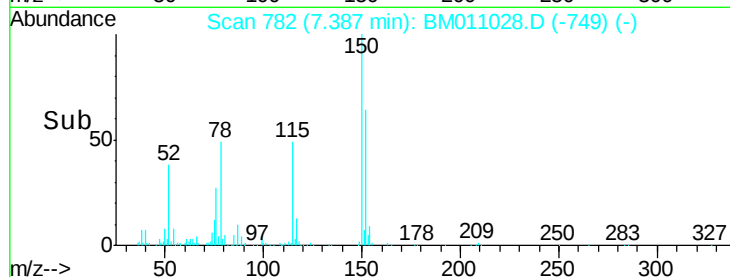
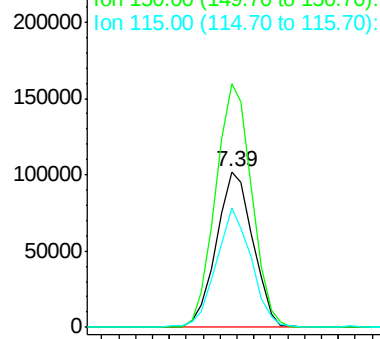
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.39 min Scan# 782
Delta R.T. -0.01 min
Lab File: BM011028.D
Acq: 28 Jul 2017 01:35

Instrument :
BNA_M
ClientSampled :

Tot Ion:152 Resp: 153716
Ion Ratio Lower Upper
152 100
150 156.4 119.5 179.3
115 76.5 43.0 64.4#



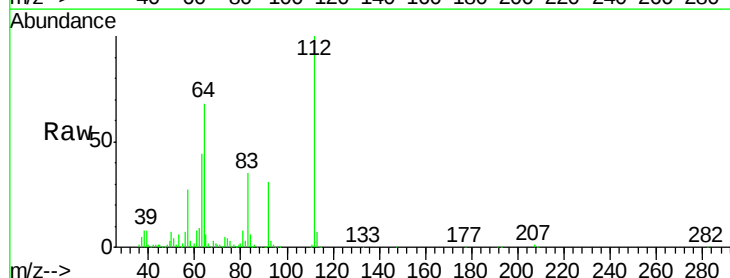
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



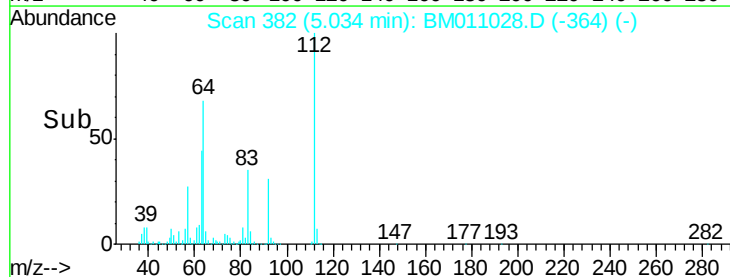
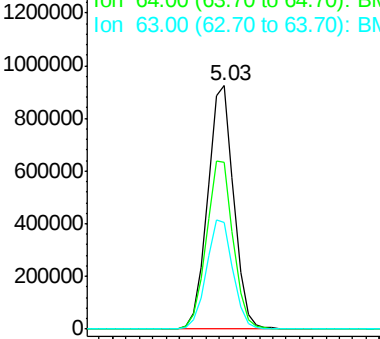
#5

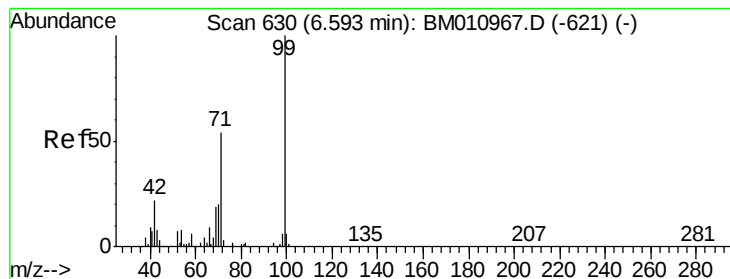
2-Fluorophenol
Concen: 137.66 ng
RT: 5.03 min Scan# 382
Delta R.T. 0.01 min
Lab File: BM011028.D
Acq: 28 Jul 2017 01:35

Tgt Ion:112 Resp: 1251797
Ion Ratio Lower Upper
112 100
64 68.4 38.6 57.8#
63 43.6 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 55.04 ng

RT: 6.59 min Scan# 646

Delta R.T. -0.01 min

Lab File: BM011028.D

Acq: 28 Jul 2017 01:35

Instrument :

BNA_M

ClientSampled :

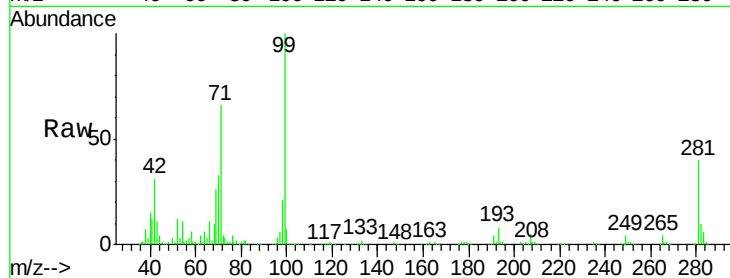
Tot Ion: 99 Resp: 711109

Ion Ratio Lower Upper

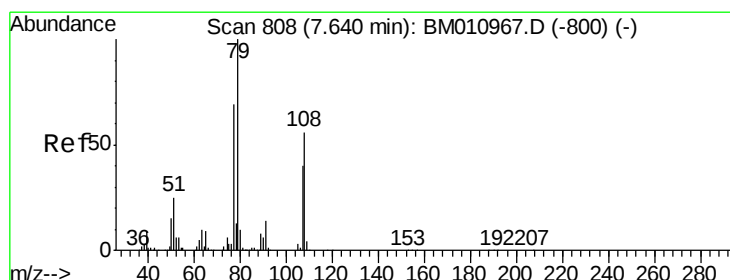
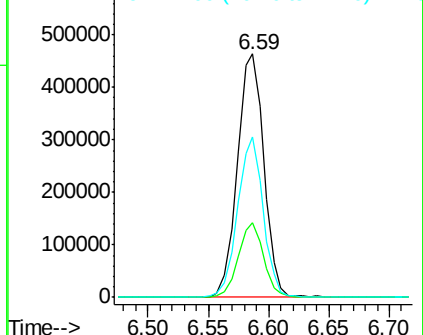
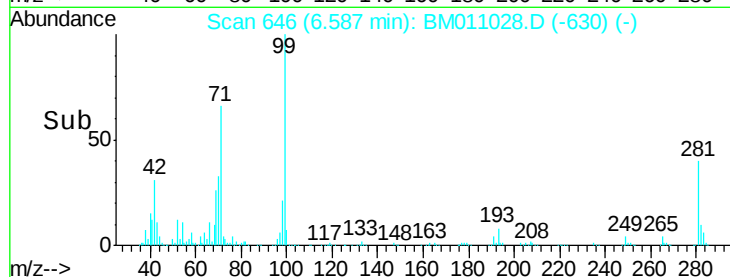
99 100

42 30.7 11.0 16.4#

71 65.7 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011028.D (-630) (-)



#15

Benzyl Alcohol

Concen: 2.30 ng

RT: 7.70 min Scan# 836

Delta R.T. 0.06 min

Lab File: BM011028.D

Acq: 28 Jul 2017 01:35

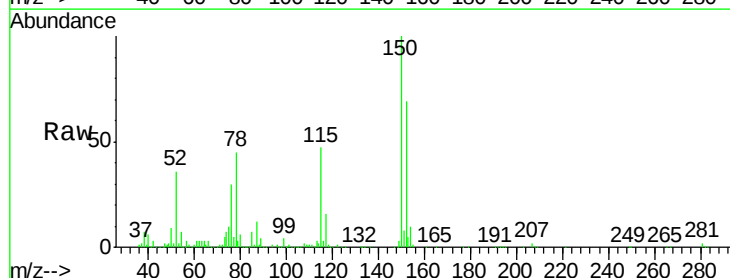
Tgt Ion: 79 Resp: 28507

Ion Ratio Lower Upper

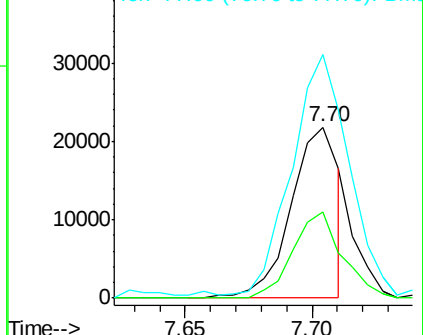
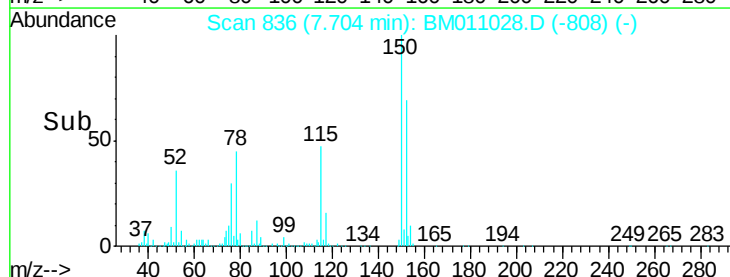
79 100

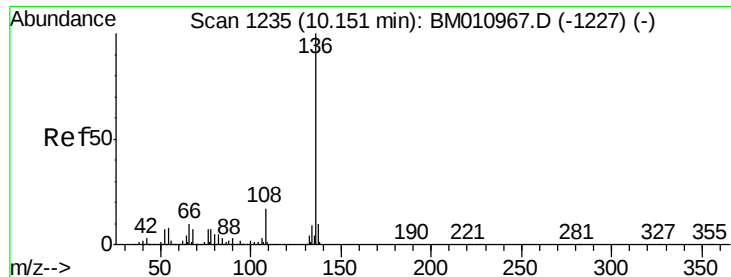
108 50.6 65.0 97.4#

77 142.2 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BM011028.D (-808) (-)

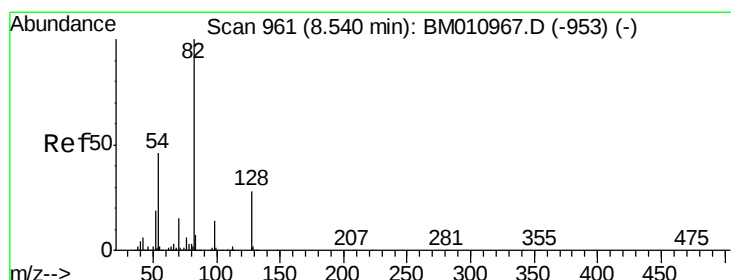
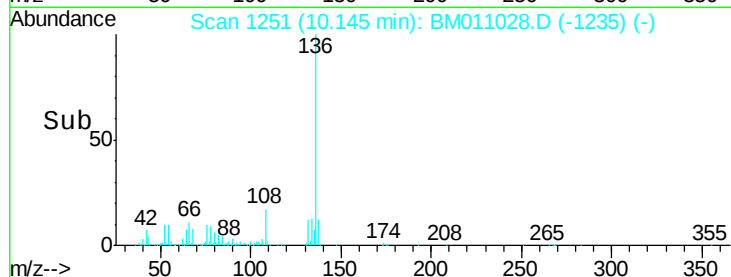
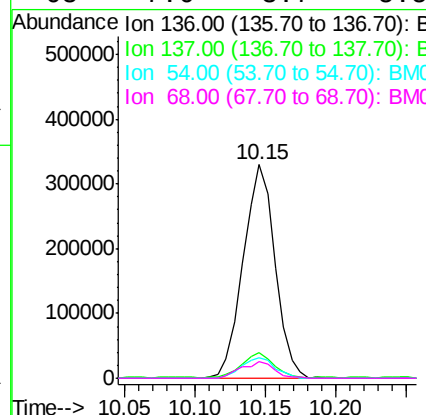
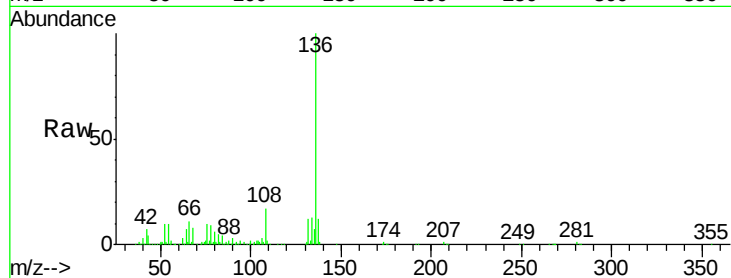




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.15 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BM011028.D
Acq: 28 Jul 2017 01:35

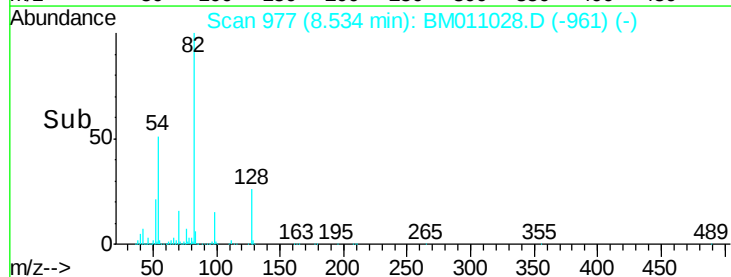
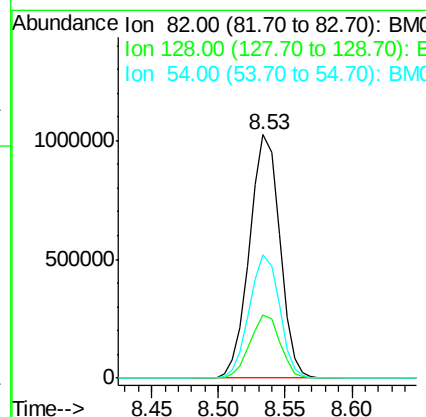
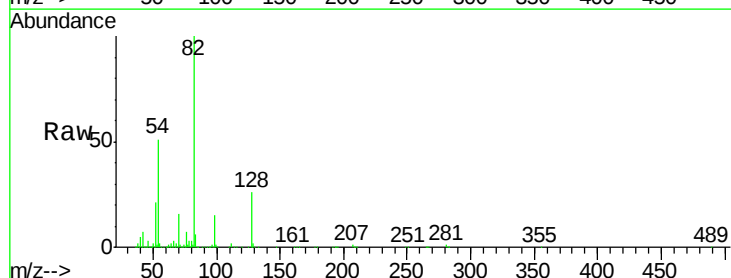
Instrument :
BNA_M
ClientSampleId :

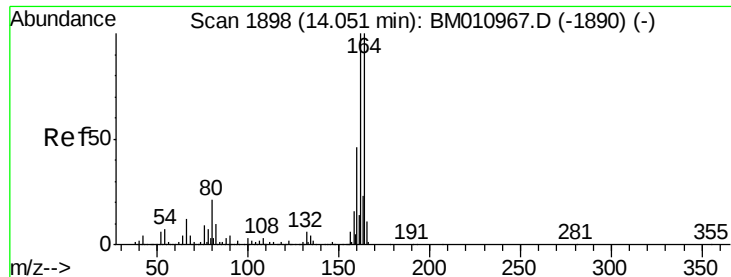
Tot Ion:136	Resp:	520181
Ion	Ratio	Lower Upper
136	100	
137	12.3	8.7 13.1
54	9.7	4.6 6.8#
68	7.6	3.7 5.5#



#23
Nitrobenzene-d5
Concen: 116.06 ng
RT: 8.53 min Scan# 977
Delta R.T. -0.01 min
Lab File: BM011028.D
Acq: 28 Jul 2017 01:35

Tgt Ion: 82	Resp:	1608578
Ion	Ratio	Lower Upper
82	100	
128	26.1	32.8 49.2#
54	50.9	40.6 60.8

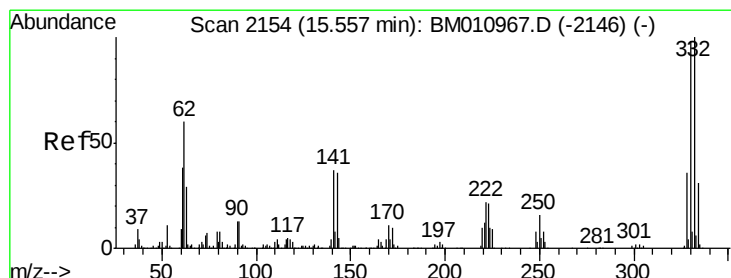
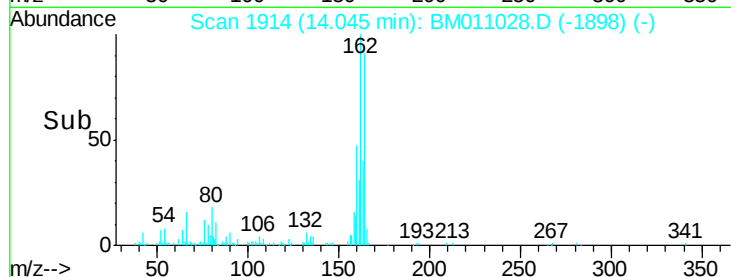
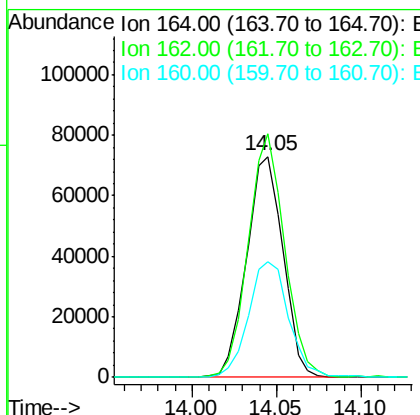
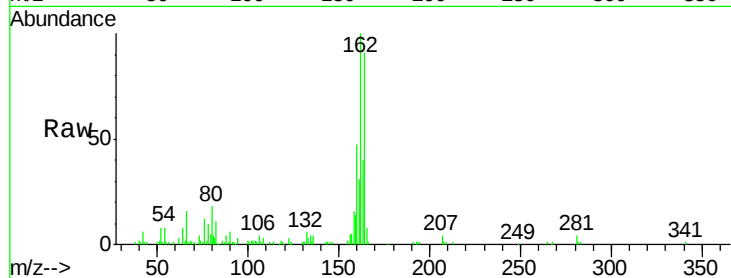




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: BM011028.D
 Acq: 28 Jul 2017 01:35

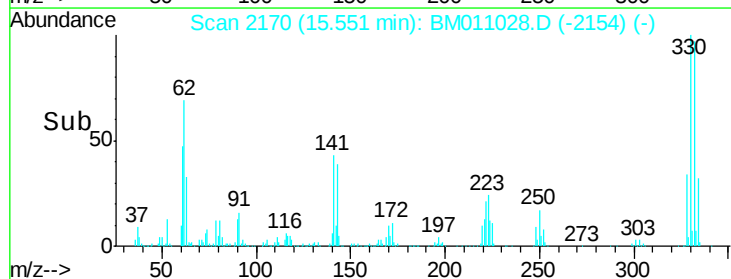
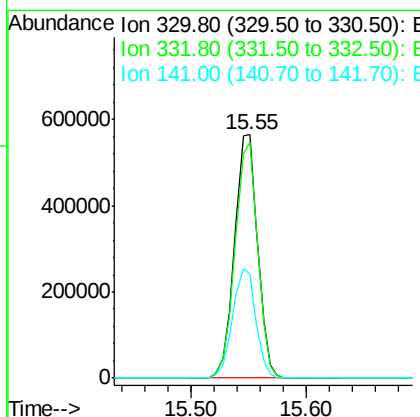
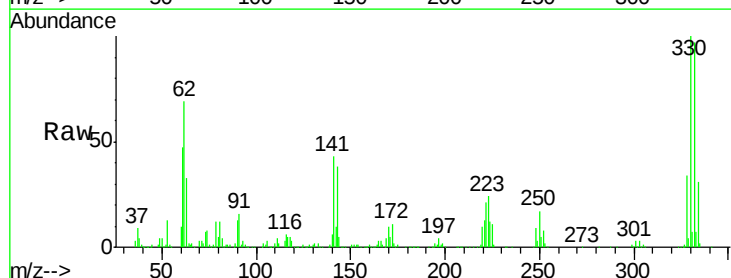
Instrument :
 BNA_M
 ClientSampleId :

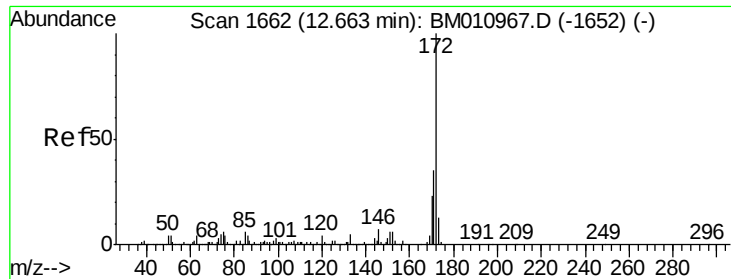
Tot Ion:164 Resp: 109758
 Ion Ratio Lower Upper
 164 100
 162 110.4 82.4 123.6
 160 52.3 35.8 53.6



#41
 2,4,6-Tribromophenol
 Concen: 444.40 ng
 RT: 15.55 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: BM011028.D
 Acq: 28 Jul 2017 01:35

Tgt Ion:330 Resp: 781792
 Ion Ratio Lower Upper
 330 100
 332 95.3 0.0 0.0#
 141 45.4 0.0 0.0#



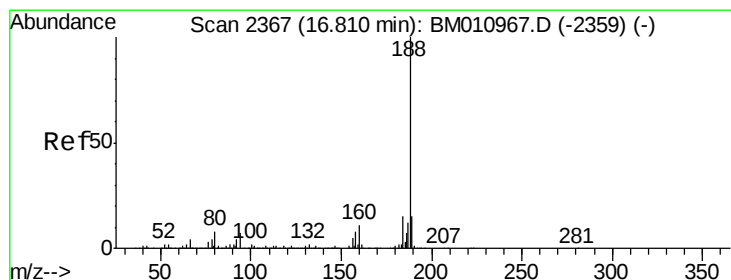
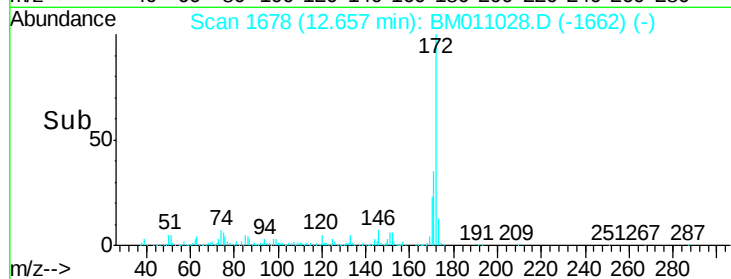
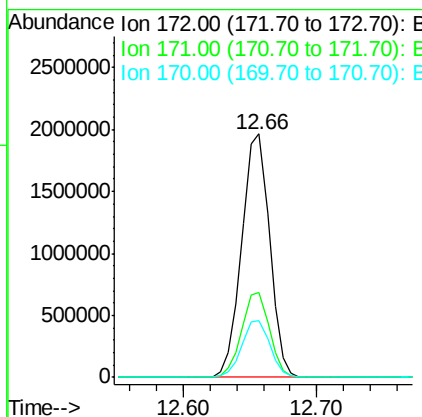
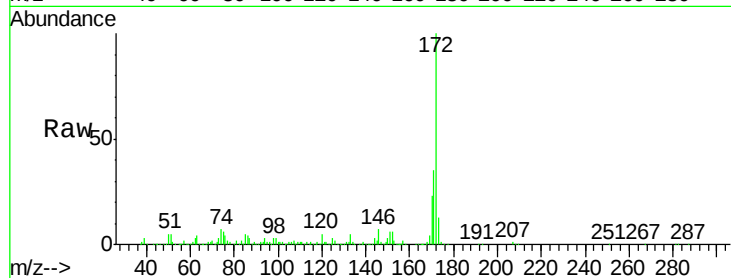


#44
 2-Fluorobiphenyl
 Concen: 323.55 ng
 RT: 12.66 min Scan# 1678
 Delta R.T. -0.01 min
 Lab File: BM011028.D
 Acq: 28 Jul 2017 01:35

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:172 Resp: 2831614

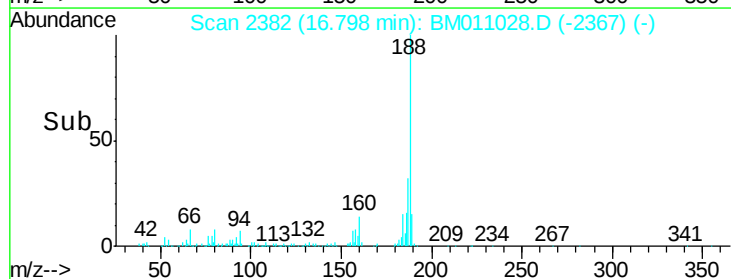
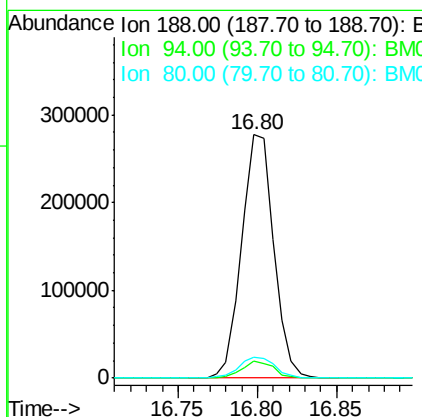
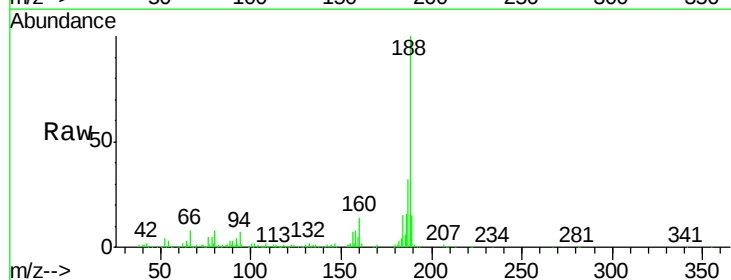
Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.5	42.7
170	23.4	18.8	28.2

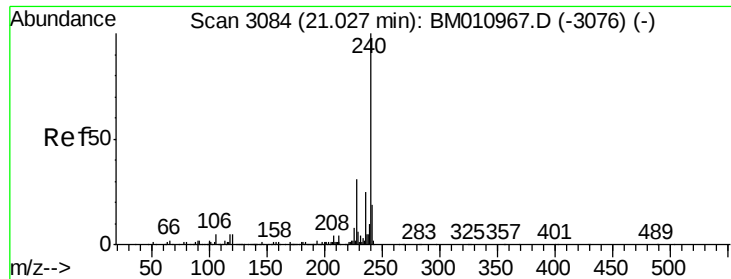


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 16.80 min Scan# 2382
 Delta R.T. -0.01 min
 Lab File: BM011028.D
 Acq: 28 Jul 2017 01:35

Tgt Ion:188 Resp: 389758

Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.7	13.1#
80	8.4	9.3	13.9#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.02 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BM011028.D

Acq: 28 Jul 2017 01:35

Instrument :

BNA_M

ClientSampleId :

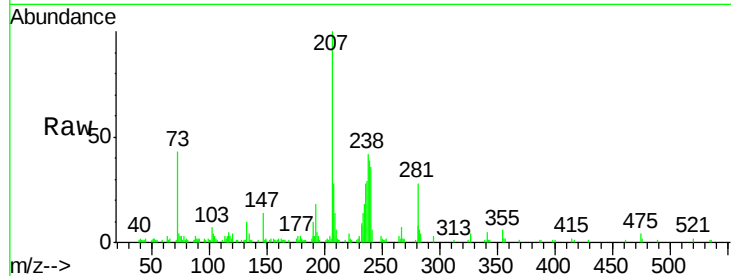
Tot Ion:240 Resp: 24514

Ion Ratio Lower Upper

240 100

120 10.1 8.2 12.2

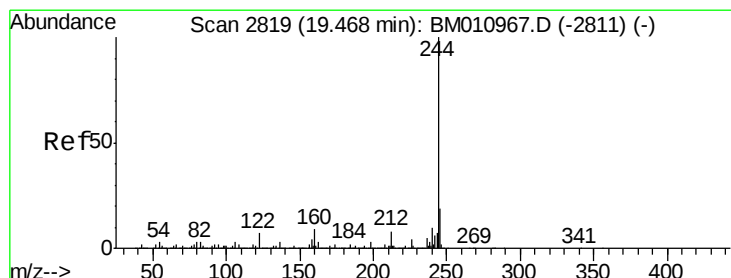
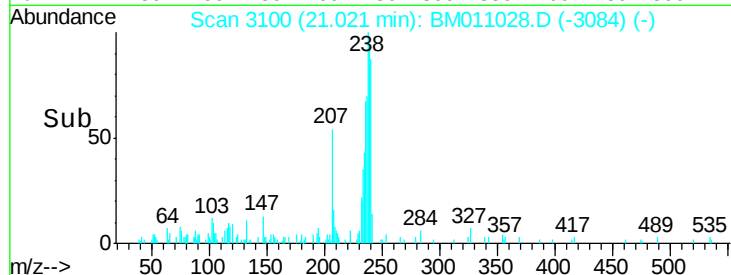
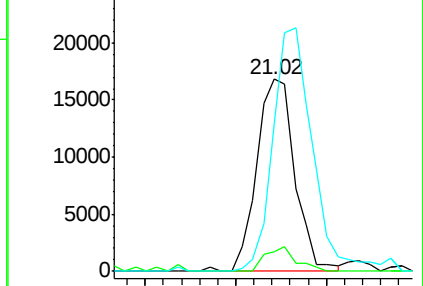
236 76.8 20.0 30.0#



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



#78

Terphenyl-d14

Concen: 1166.41 ng

RT: 19.46 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM011028.D

Acq: 28 Jul 2017 01:35

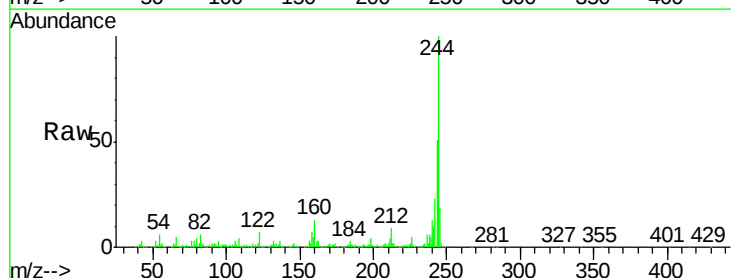
Tgt Ion:244 Resp: 1443471

Ion Ratio Lower Upper

244 100

212 9.3 4.9 7.3#

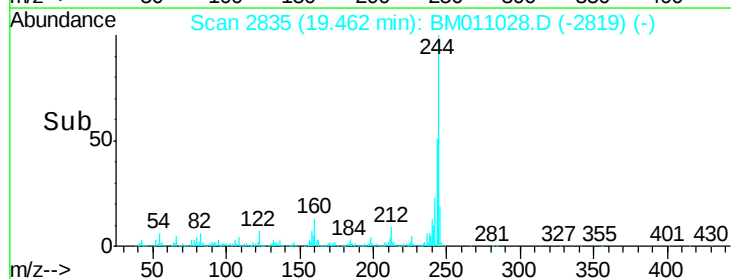
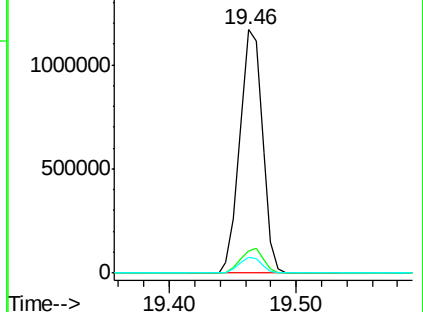
122 6.7 6.2 9.4

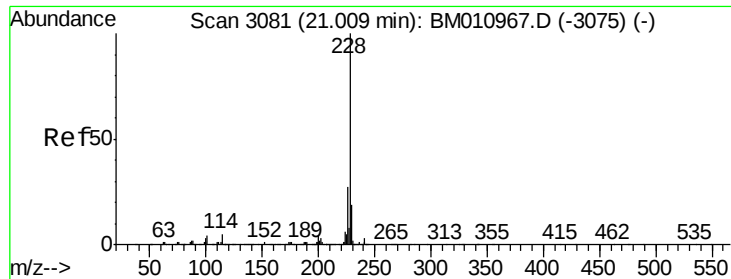


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.57 ng

RT: 21.05 min Scan# 3105

Delta R.T. 0.04 min

Lab File: BM011028.D

Acq: 28 Jul 2017 01:35

Instrument :

BNA_M

ClientSampleId :

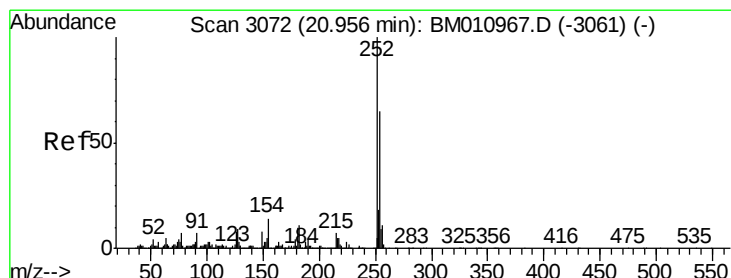
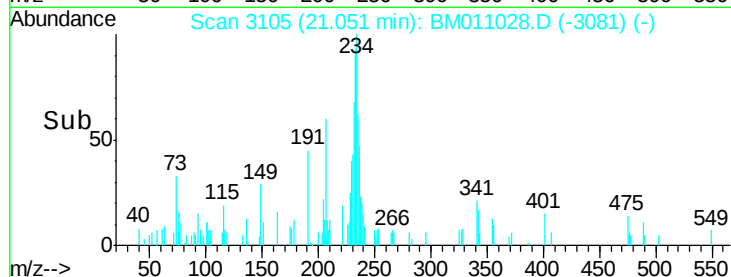
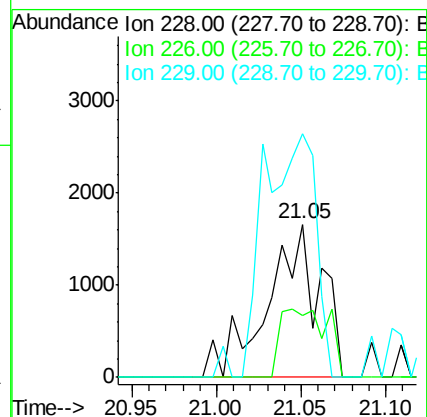
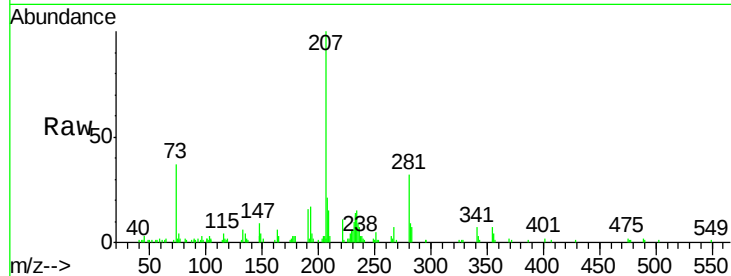
Tot Ion:228 Resp: 3598

Ion Ratio Lower Upper

228 100

226 40.7 21.7 32.5#

229 158.8 16.0 24.0#



#81

3,3'-Dichlorobenzidine

Concen: 3.66 ng

RT: 20.96 min Scan# 3090

Delta R.T. 0.01 min

Lab File: BM011028.D

Acq: 28 Jul 2017 01:35

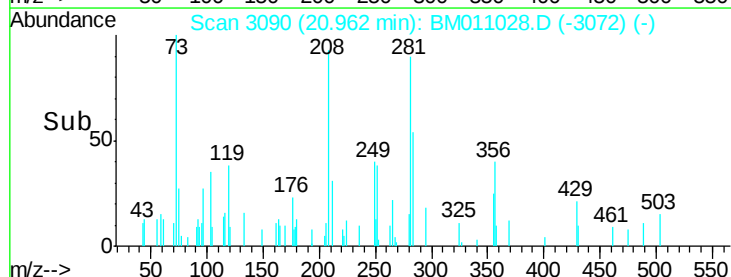
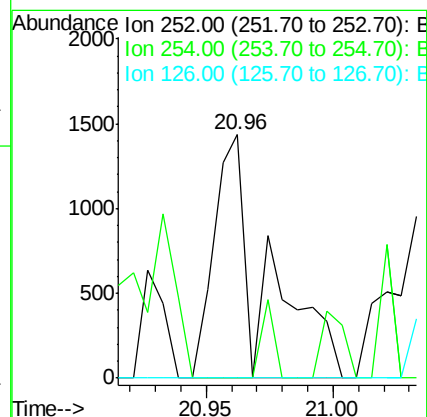
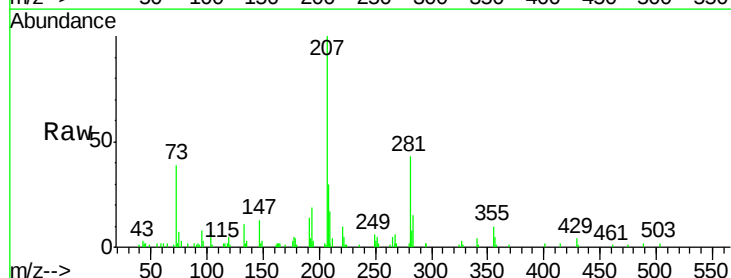
Tgt Ion:252 Resp: 2008

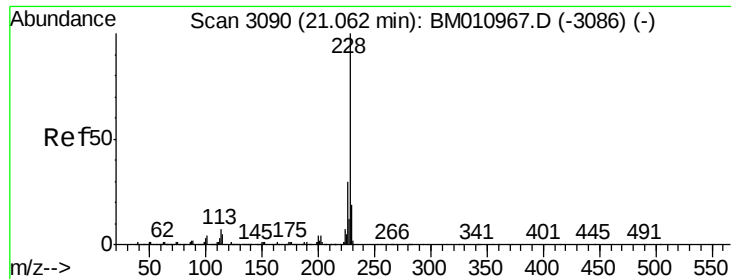
Ion Ratio Lower Upper

252 100

254 0.0 51.9 77.9#

126 0.0 9.8 14.8#





#82

Chrysene

Concen: 2.68 ng

RT: 21.05 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM011028.D

Acq: 28 Jul 2017 01:35

Instrument :

BNA_M

ClientSampleId :

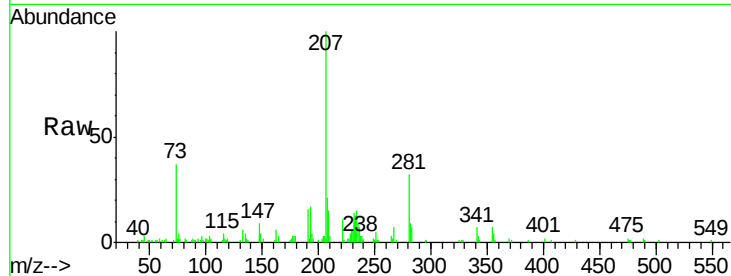
Tot Ion:228 Resp: 3598

Ion Ratio Lower Upper

228 100

226 40.7 24.1 36.1#

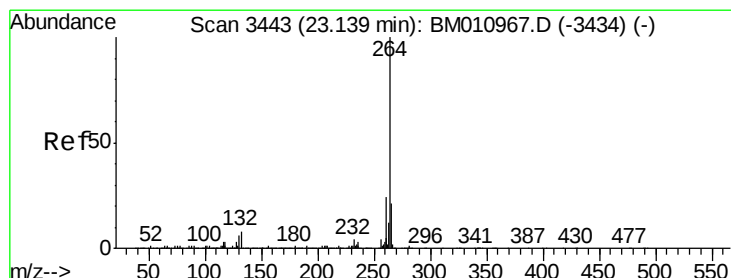
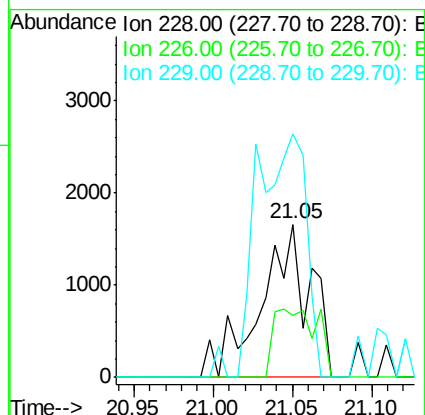
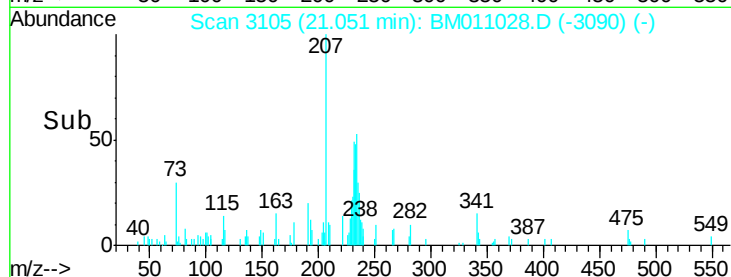
229 158.8 15.5 23.3#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.15 min Scan# 3462

Delta R.T. 0.01 min

Lab File: BM011028.D

Acq: 28 Jul 2017 01:35

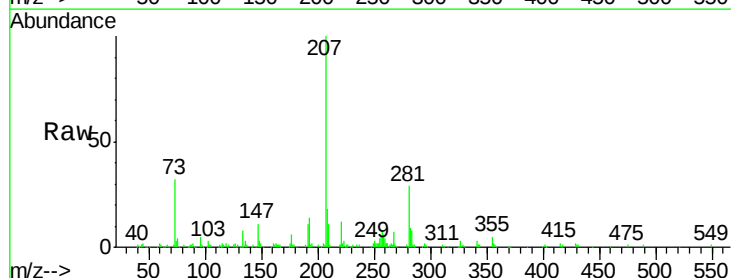
Tgt Ion:264 Resp: 635

Ion Ratio Lower Upper

264 100

260 379.3 18.6 27.8#

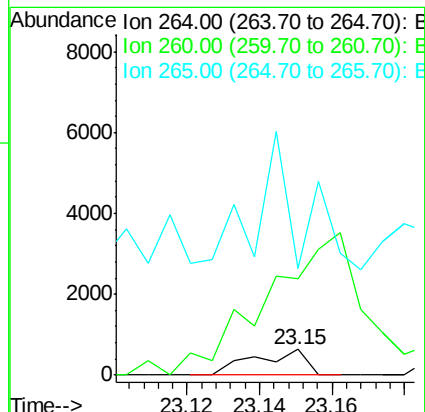
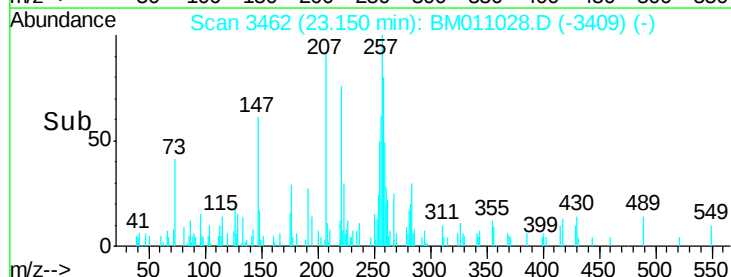
265 418.8 17.3 25.9#

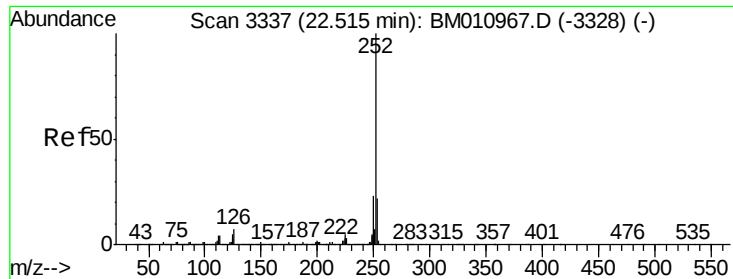


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 47.80 ng

RT: 22.50 min Scan# 3352

Delta R.T. -0.01 min

Lab File: BM011028.D

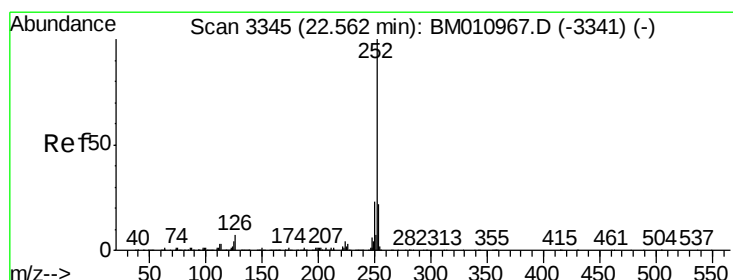
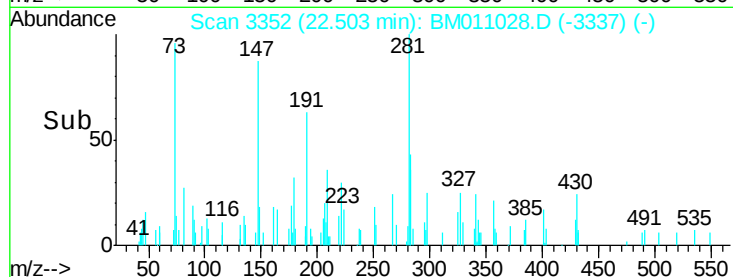
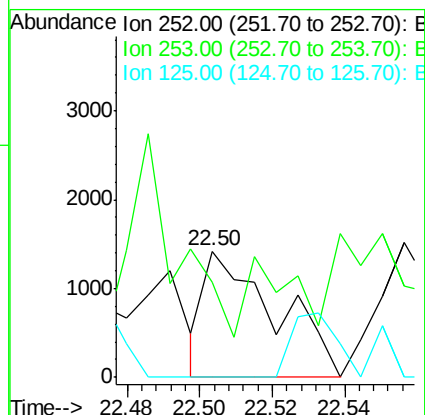
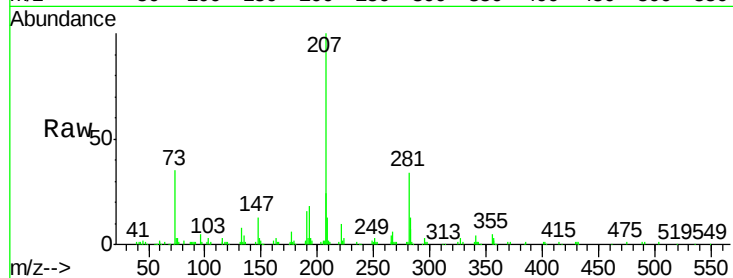
Acq: 28 Jul 2017 01:35

Instrument :

BNA_M

ClientSampled :

Tot Ion:	252	Resp:	1948
Ion	Ratio	Lower	Upper
252	100		
253	75.3	18.0	27.0#
125	0.0	9.9	14.9#



#88

Benzo(k)fluoranthene

Concen: 61.13 ng

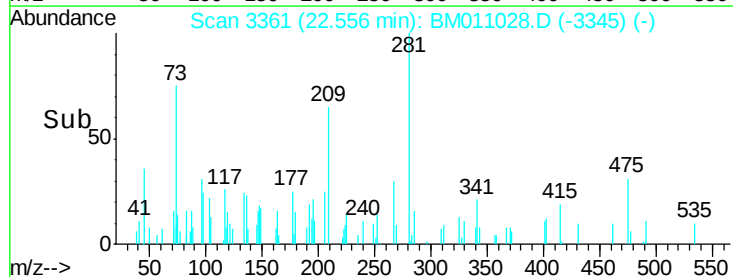
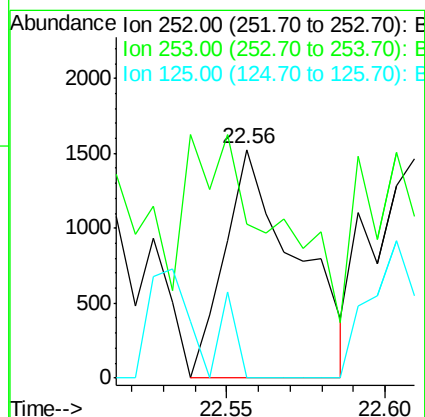
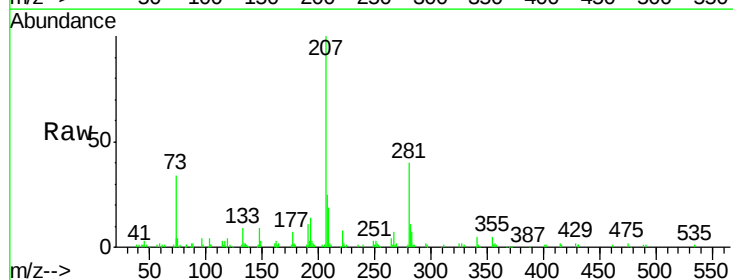
RT: 22.56 min Scan# 3361

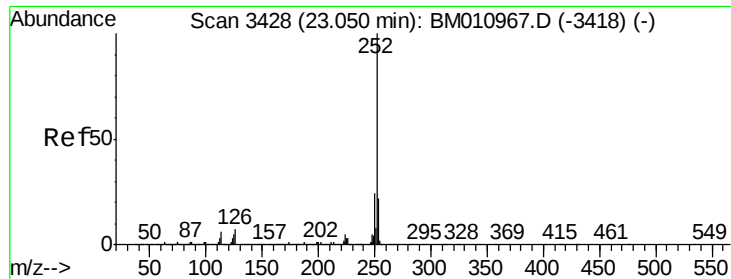
Delta R.T. -0.01 min

Lab File: BM011028.D

Acq: 28 Jul 2017 01:35

Tgt Ion:	252	Resp:	2388
Ion	Ratio	Lower	Upper
252	100		
253	67.3	17.2	25.8#
125	0.0	8.1	12.1#





#89

Benzo(a)pyrene

Concen: 10.20 ng

RT: 23.07 min Scan# 3448

Delta R.T. 0.02 min

Lab File: BM011028.D

Acq: 28 Jul 2017 01:35

Instrument :

BNA_M

ClientSampleId :

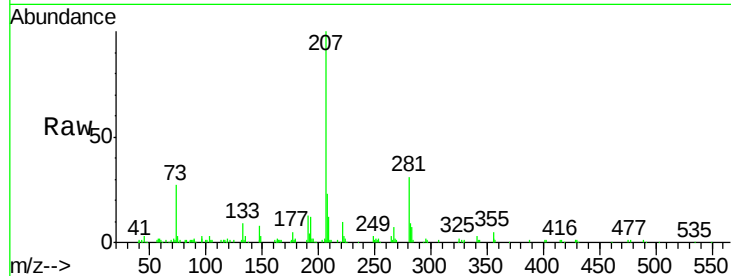
Tot Ion:252 Resp: 376

Ion Ratio Lower Upper

252 100

253 171.0 17.6 26.4#

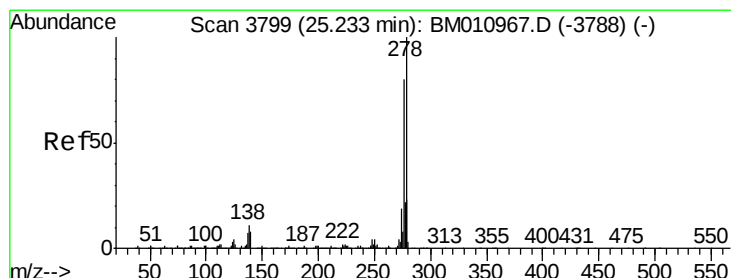
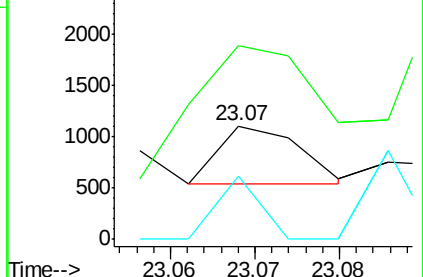
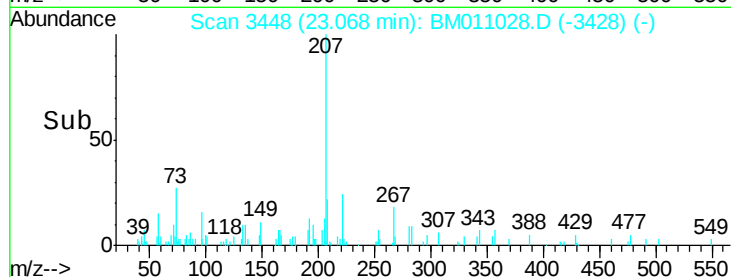
125 55.8 7.4 11.2#



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



#90

Dibenzo(a,h)anthracene

Concen: 3.16 ng

RT: 25.25 min Scan# 3819

Delta R.T. 0.02 min

Lab File: BM011028.D

Acq: 28 Jul 2017 01:35

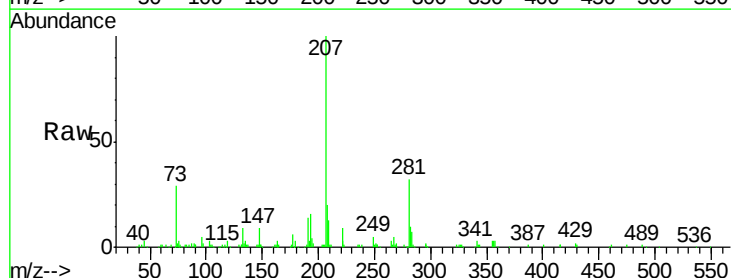
Tgt Ion:278 Resp: 108

Ion Ratio Lower Upper

278 100

139 0.0 13.4 20.0#

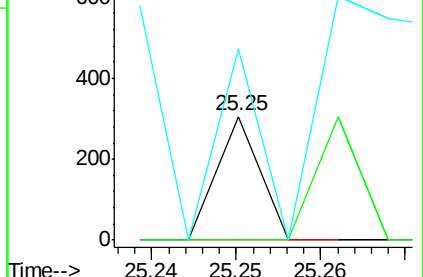
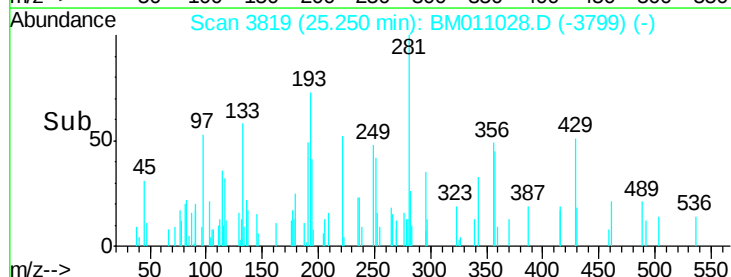
279 154.2 19.0 28.4#

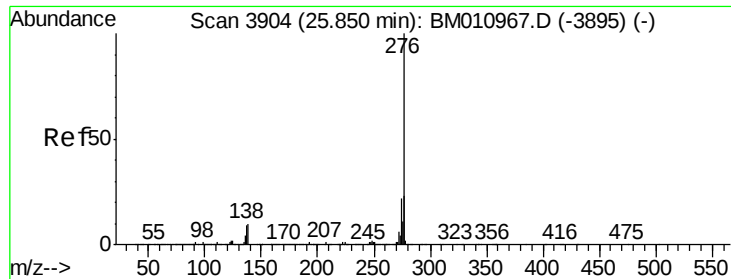


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 5.27 ng

RT: 25.87 min Scan# 3925

Delta R.T. 0.02 min

Lab File: BM011028.D

Acq: 28 Jul 2017 01:35

Instrument :

BNA_M

ClientSampleId :

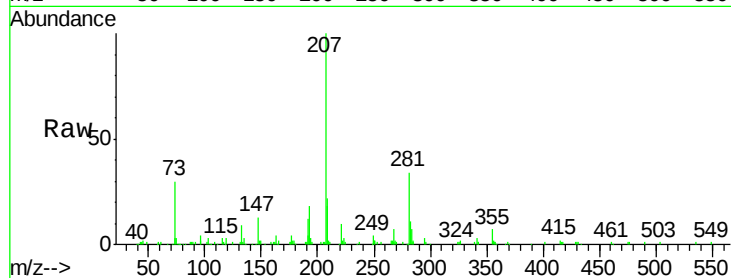
Tot Ion: 276 Resp: 177

Ion Ratio Lower Upper

276 100

277 0.0 18.5 27.7#

138 0.0 19.0 28.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

