

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072916\
 Data File : BF089378.D
 Acq On : 28 Jul 2016 22:43
 Operator : UM/SJ
 Sample : H4205-18
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-2.5-3.5

Quant Time: Jul 29 13:14:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

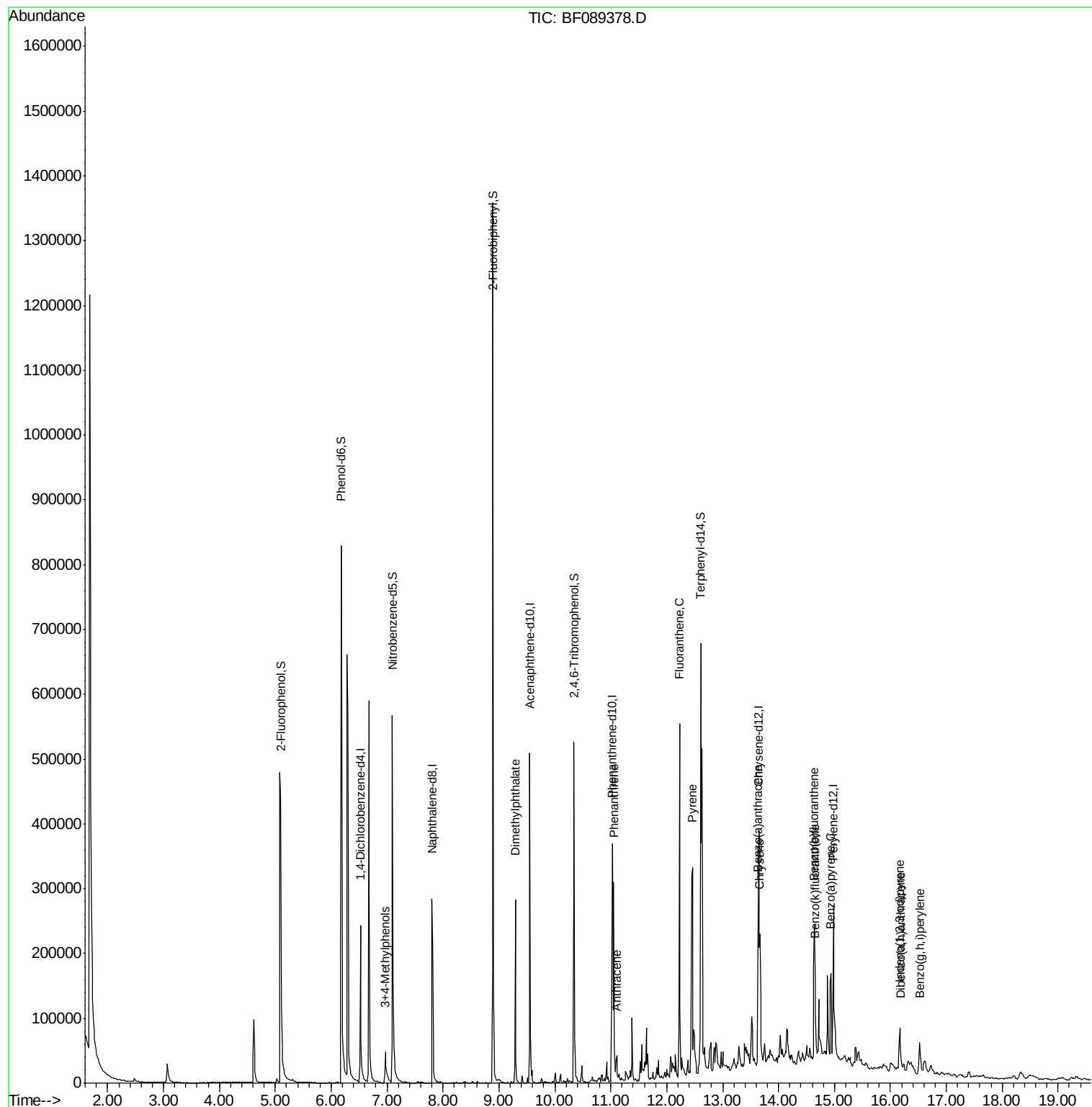
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	47484	20.00	ng	-0.02
21) Naphthalene-d8	7.80	136	198788	20.00	ng	-0.02
38) Acenaphthene-d10	9.55	164	95849	20.00	ng	-0.02
63) Phenanthrene-d10	11.03	188	158760	20.00	ng	-0.02
75) Chrysene-d12	13.65	240	100187	20.00	ng	-0.02
86) Perylene-d12	14.98	264	101168	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	255302	85.85	ng	-0.01
7) Phenol-d6	6.18	99	375704	95.60	ng	-0.02
23) Nitrobenzene-d5	7.10	82	236738	70.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.34	330	69906	88.06	ng	-0.02
44) 2-Fluorobiphenyl	8.89	172	412764	63.20	ng	-0.02
78) Terphenyl-d14	12.61	244	235608	55.04	ng	-0.02
Target Compounds						Qvalue
20) 3+4-Methylphenols	6.97	107	30434	9.11	ng	# 80
49) Dimethylphthalate	9.29	163	108850	14.92	ng	99
70) Phenanthrene	11.05	178	120029	14.66	ng	98
71) Anthracene	11.11	178	26857	2.95	ng	99
74) Fluoranthene	12.23	202	218164	25.33	ng	99
77) Pyrene	12.46	202	190627	25.11	ng	99
80) Benzo(a)anthracene	13.63	228	89301	15.79	ng	97
82) Chrysene	13.67	228	76122	12.65	ng	97
85) Indeno(1,2,3-cd)pyrene	16.17	276	46722m	10.92	ng	
87) Benzo(b)fluoranthene	14.64	252	111081m	17.68	ng	
88) Benzo(k)fluoranthene	14.65	252	28584m	4.95	ng	
89) Benzo(a)pyrene	14.94	252	75230m	13.35	ng	
90) Dibenzo(a,h)anthracene	16.18	278	10152m	2.29	ng	
91) Benzo(g,h,i)perylene	16.53	276	46815	10.73	ng	95

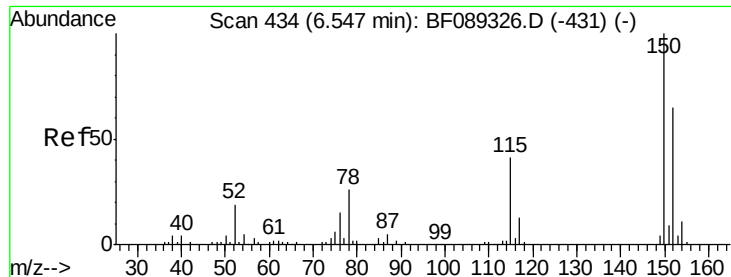
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 28 16:02:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 432

Delta R.T. -0.02 min

Lab File: BF089378.D

Acq: 28 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

SB-40-2.5-3.5

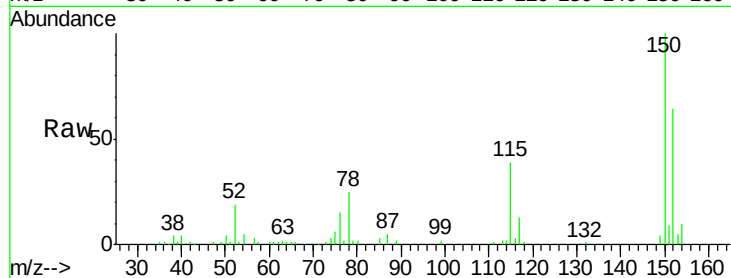
Tgt Ion:152 Resp: 47484

Ion Ratio Lower Upper

152 100

150 157.1 129.5 194.3

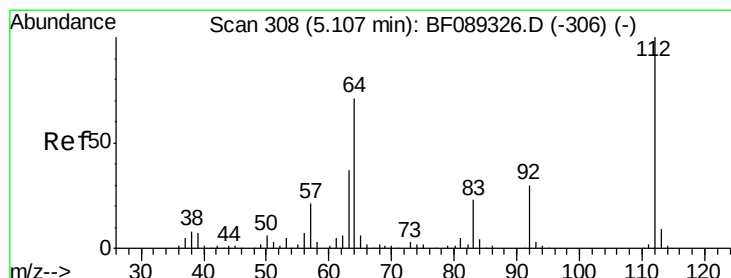
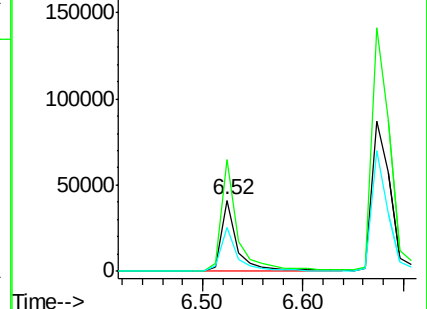
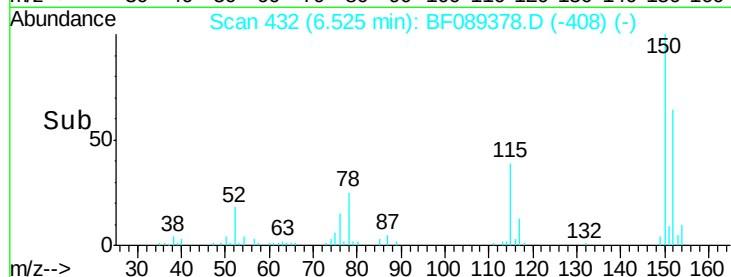
115 62.0 51.4 77.2



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: 85.85 ng

RT: 5.10 min Scan# 307

Delta R.T. -0.01 min

Lab File: BF089378.D

Acq: 28 Jul 2016 22:43

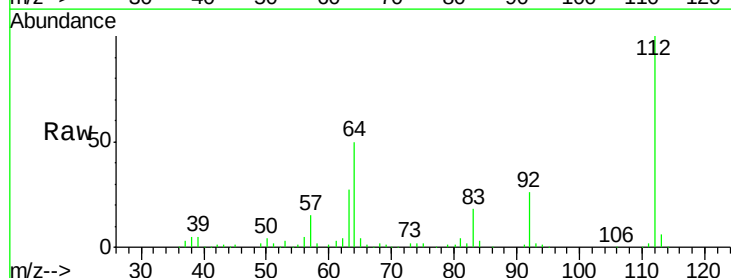
Tgt Ion:112 Resp: 255302

Ion Ratio Lower Upper

112 100

64 50.1 55.0 82.6#

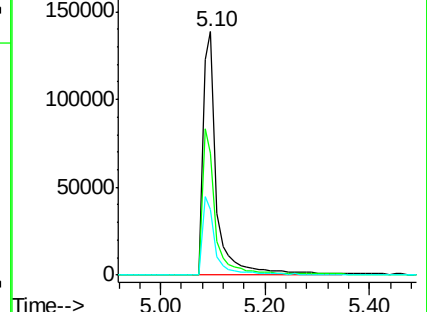
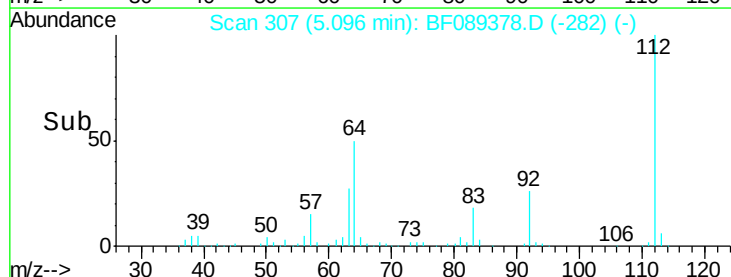
63 26.9 29.4 44.2#

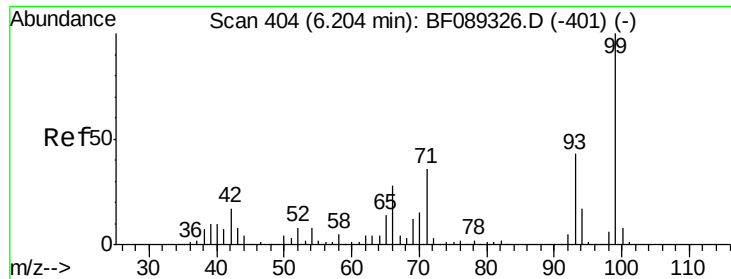


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 95.60 ng

RT: 6.18 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF089378.D

Acq: 28 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

SB-40-2.5-3.5

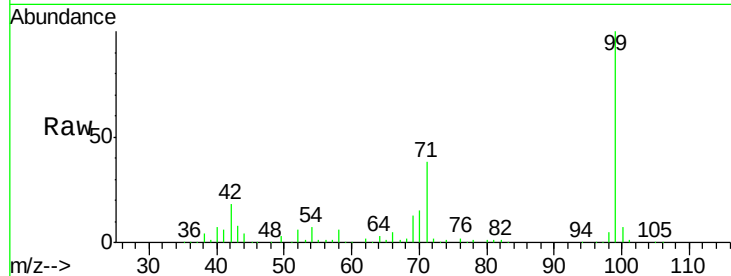
Tgt Ion: 99 Resp: 375704

Ion Ratio Lower Upper

99 100

42 17.5 13.6 20.4

71 38.0 29.4 44.2

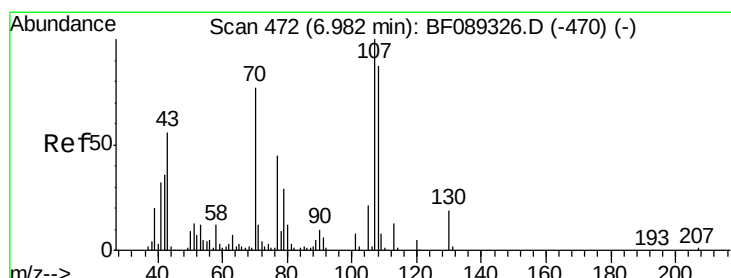
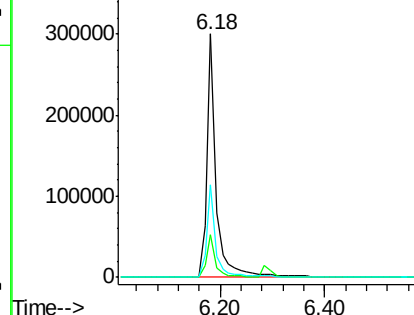
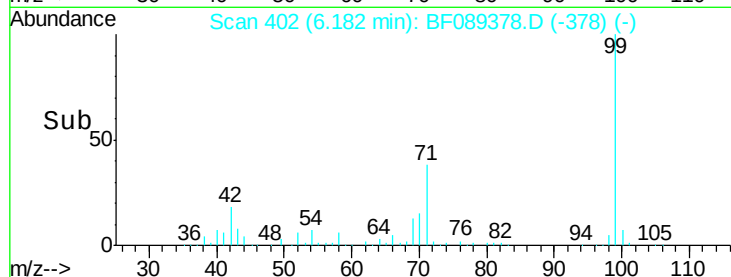


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#20

3+4-Methylphenols

Concen: 9.11 ng

RT: 6.97 min Scan# 471

Delta R.T. -0.01 min

Lab File: BF089378.D

Acq: 28 Jul 2016 22:43

Tgt Ion: 107 Resp: 30434

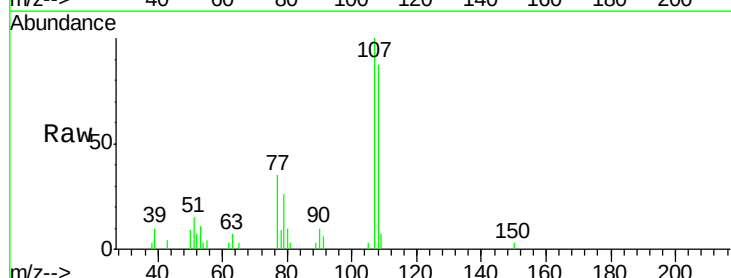
Ion Ratio Lower Upper

107 100

108 86.6 63.3 103.3

77 34.5 51.1 91.1#

79 26.1 9.3 49.3



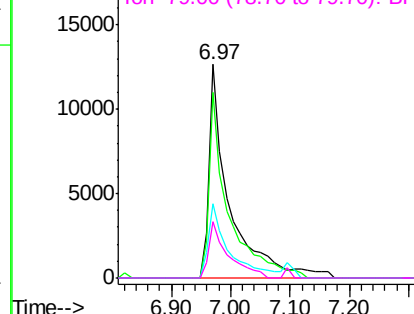
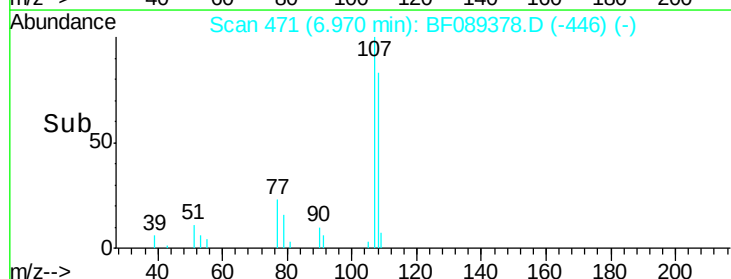
Abundance

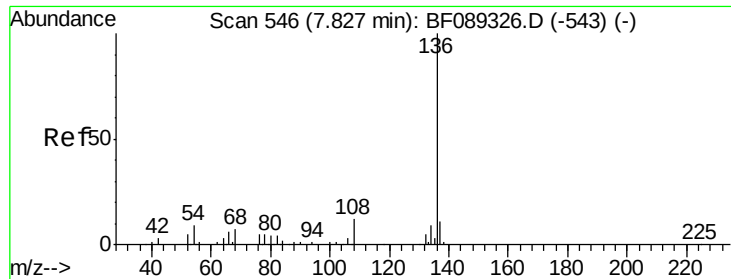
Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

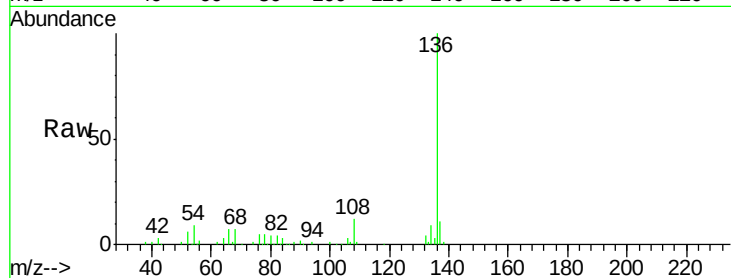




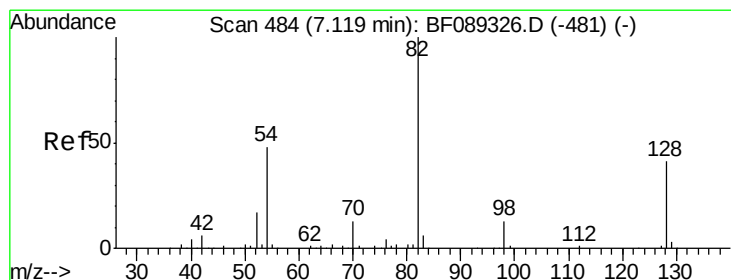
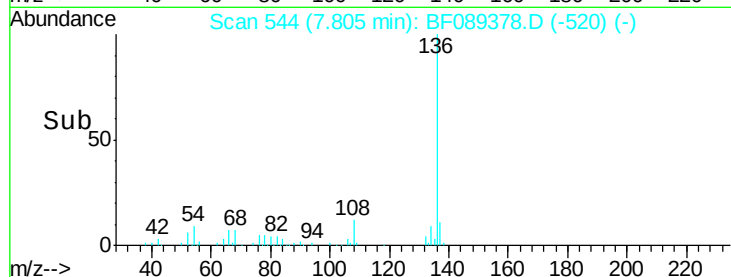
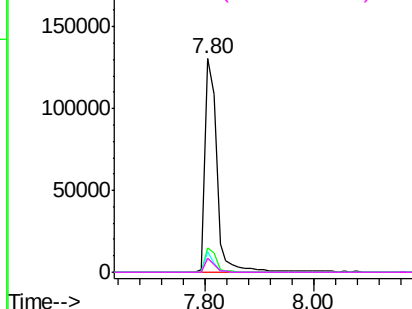
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.80 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF089378.D
Acq: 28 Jul 2016 22:43

Instrument :
BNA_F
ClientSampleId :
SB-40-2.5-3.5

Tgt Ion:	136	Resp:	198788
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.4	7.0	10.4
68	6.9	4.9	7.3

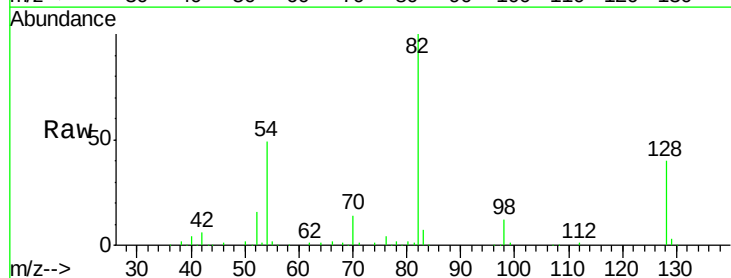


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

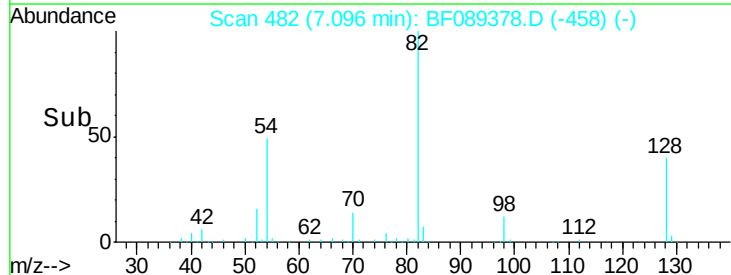
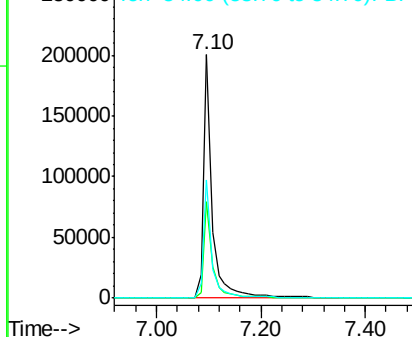


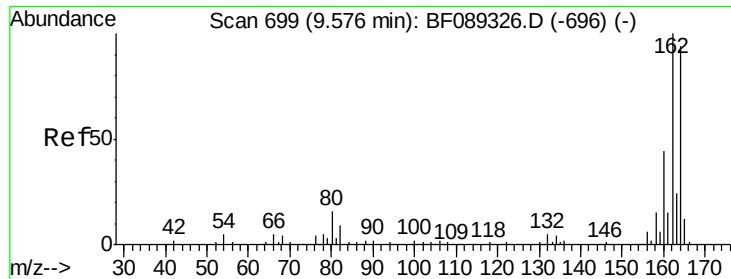
#23
Nitrobenzene-d5
Concen: 70.29 ng
RT: 7.10 min Scan# 482
Delta R.T. -0.02 min
Lab File: BF089378.D
Acq: 28 Jul 2016 22:43

Tgt Ion:	82	Resp:	236738
Ion	Ratio	Lower	Upper
82	100		
128	39.9	32.5	48.7
54	48.8	38.8	58.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

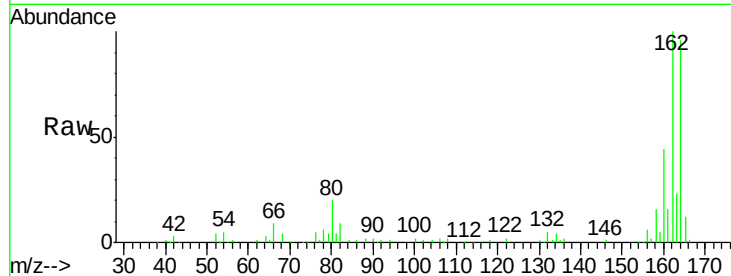




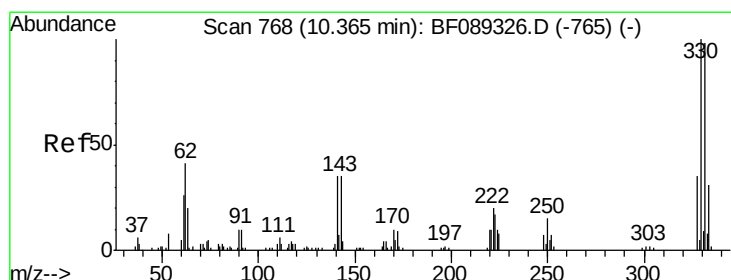
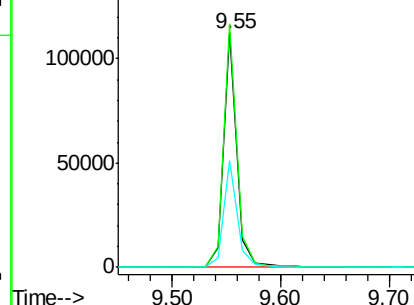
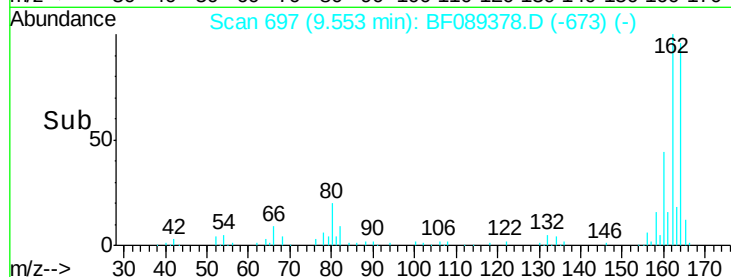
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF089378.D
 Acq: 28 Jul 2016 22:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-2.5-3.5

Tgt Ion:164 Resp: 95849
 Ion Ratio Lower Upper
 164 100
 162 104.0 83.7 125.5
 160 45.7 37.8 56.6

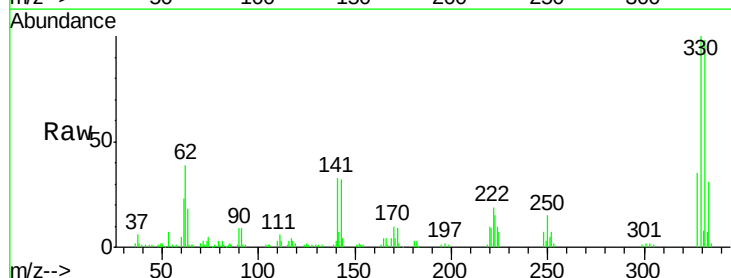


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

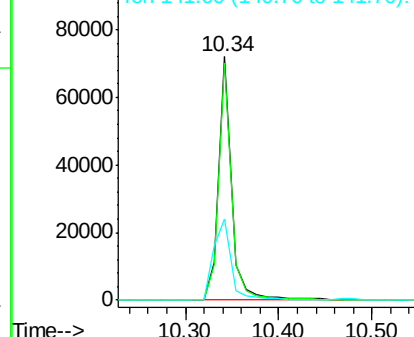
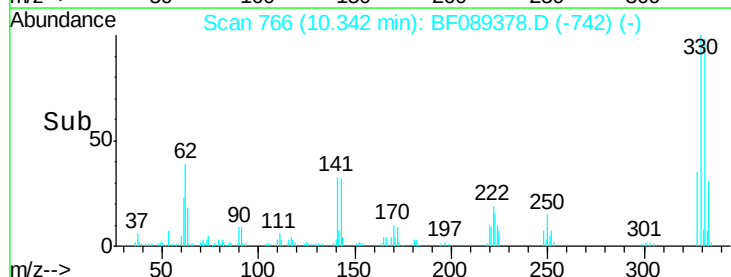


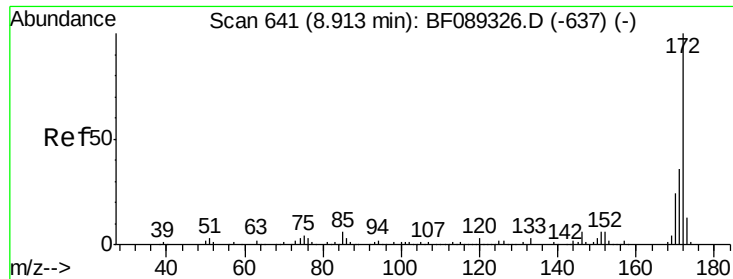
#41
 2,4,6-Tribromophenol
 Concen: 88.06 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.02 min
 Lab File: BF089378.D
 Acq: 28 Jul 2016 22:43

Tgt Ion:330 Resp: 69906
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.8 115.2
 141 45.0 37.3 55.9



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

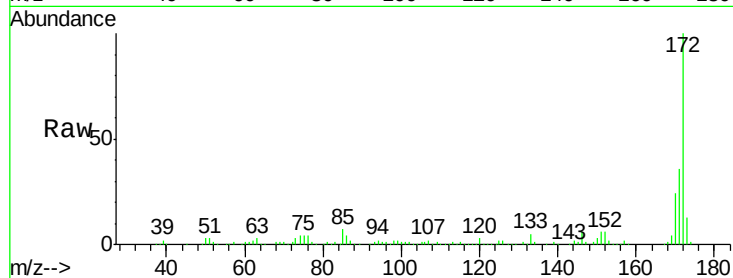




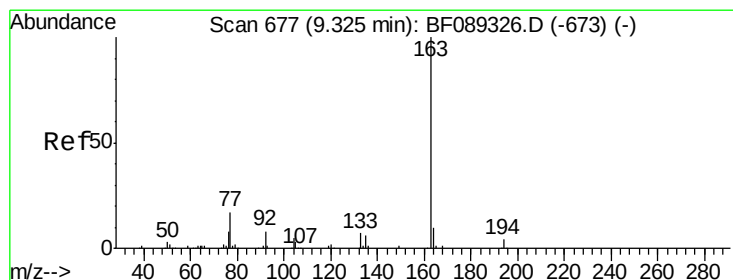
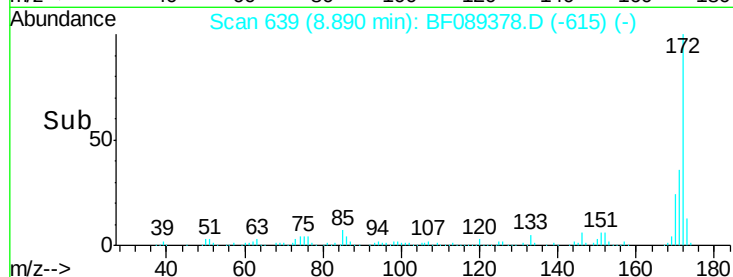
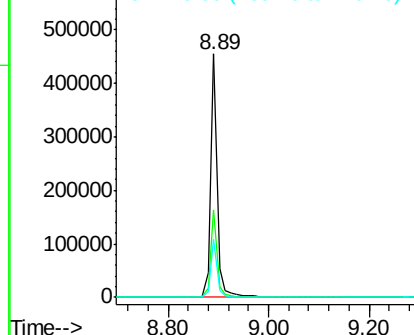
#44
 2-Fluorobiphenyl
 Concen: 63.20 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: BF089378.D
 Acq: 28 Jul 2016 22:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-2.5-3.5

Tgt Ion:172 Resp: 412764
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.2 43.8
 170 23.8 19.2 28.8

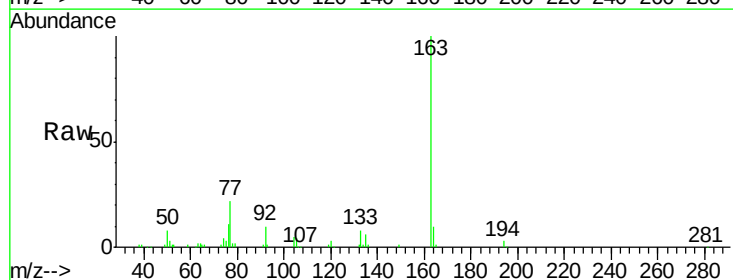


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

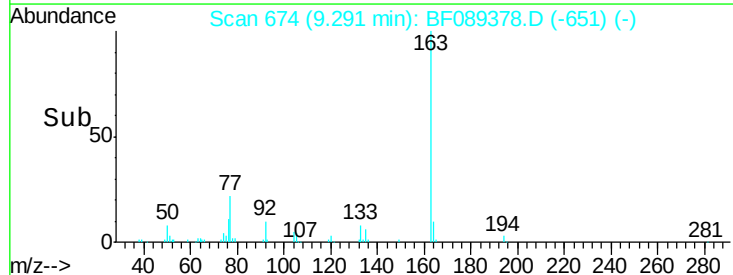
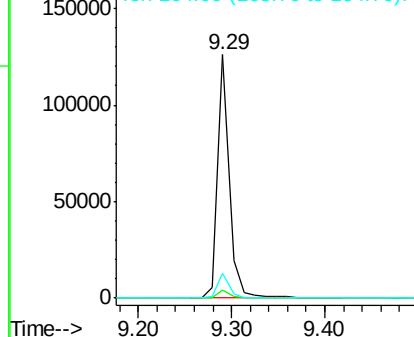


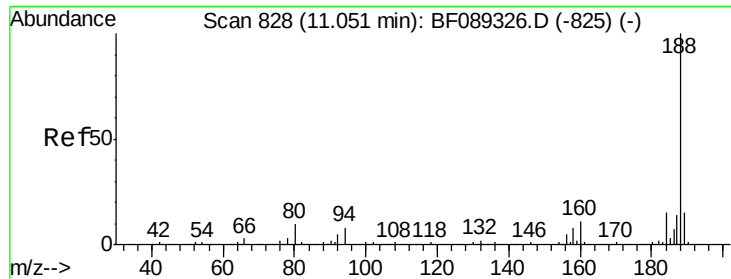
#49
 Dimethylphthalate
 Concen: 14.92 ng
 RT: 9.29 min Scan# 674
 Delta R.T. -0.03 min
 Lab File: BF089378.D
 Acq: 28 Jul 2016 22:43

Tgt Ion:163 Resp: 108850
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.8 4.2
 164 10.1 7.8 11.8



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

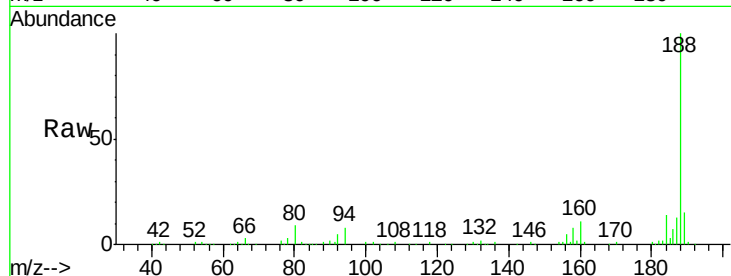




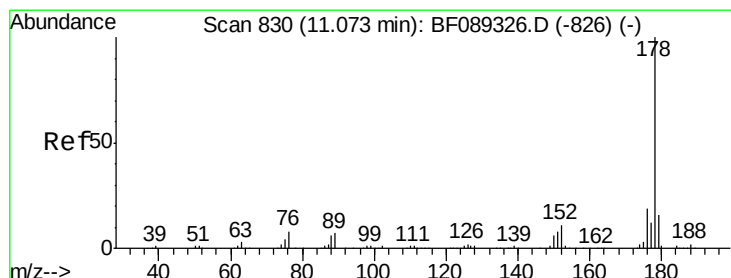
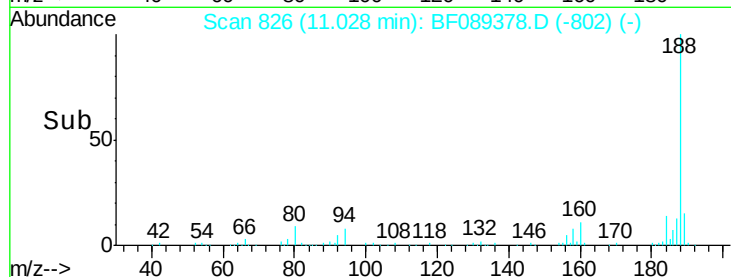
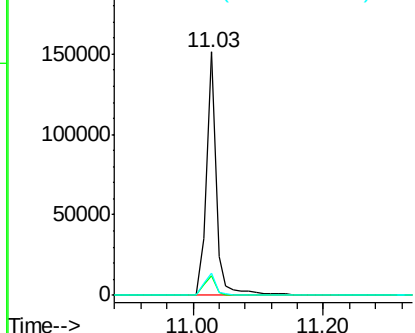
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF089378.D
Acq: 28 Jul 2016 22:43

Instrument :
BNA_F
ClientSampleId :
SB-40-2.5-3.5

Tgt Ion:188 Resp: 158760
Ion Ratio Lower Upper
188 100
94 8.2 6.5 9.7
80 9.0 7.2 10.8

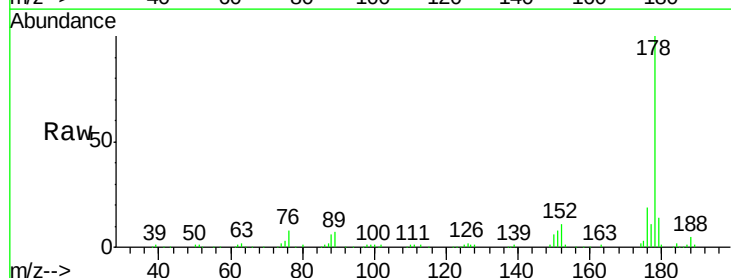


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

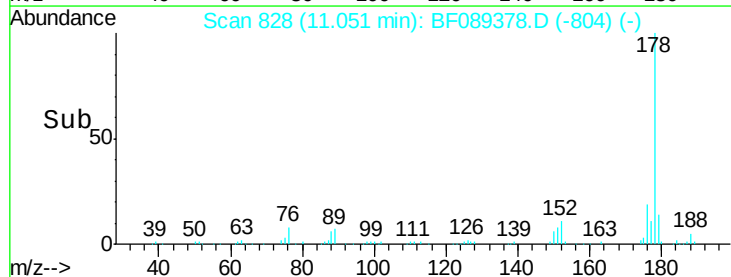
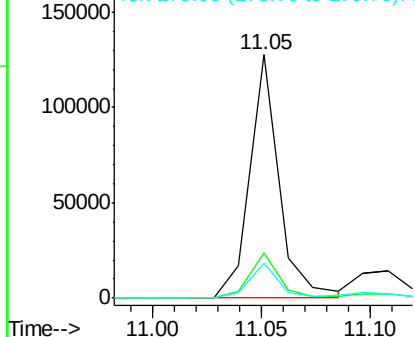


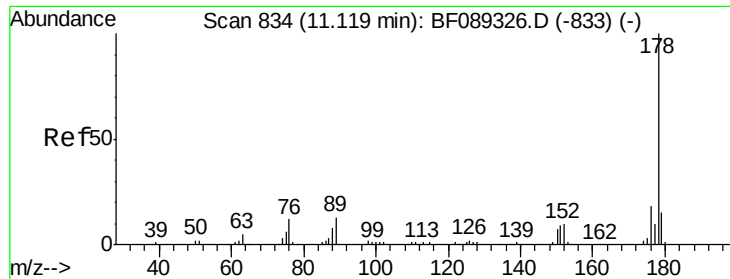
#70
Phenanthrene
Concen: 14.66 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.02 min
Lab File: BF089378.D
Acq: 28 Jul 2016 22:43

Tgt Ion:178 Resp: 120029
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 14.5 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

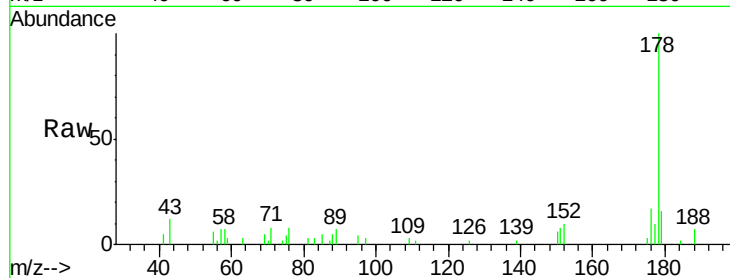




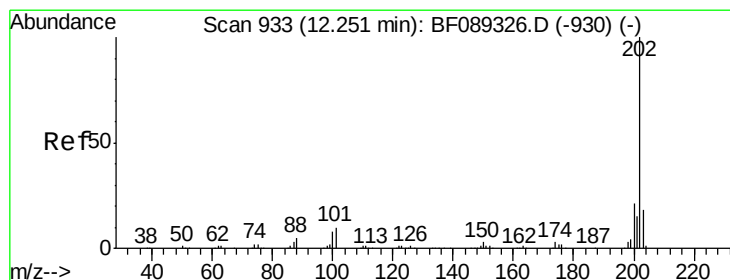
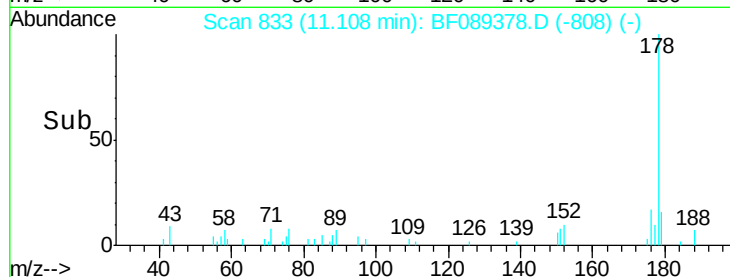
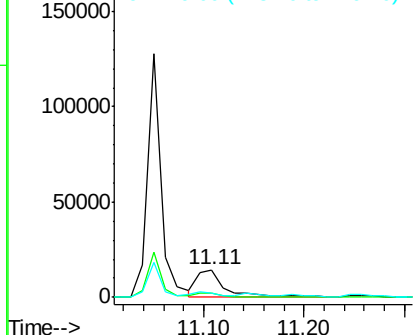
#71
 Anthracene
 Concen: 2.95 ng
 RT: 11.11 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF089378.D
 Acq: 28 Jul 2016 22:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-40-2.5-3.5

Tgt Ion:178 Resp: 26857
 Ion Ratio Lower Upper
 178 100
 176 17.5 14.8 22.2
 179 15.9 12.6 18.8

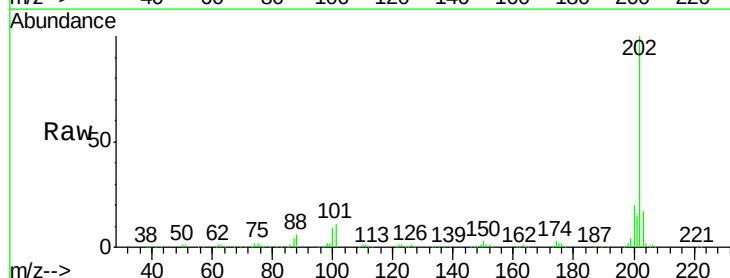


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

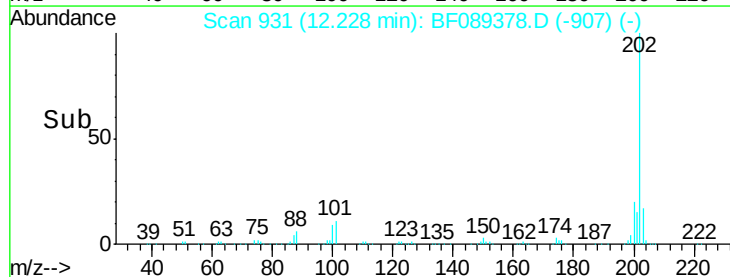
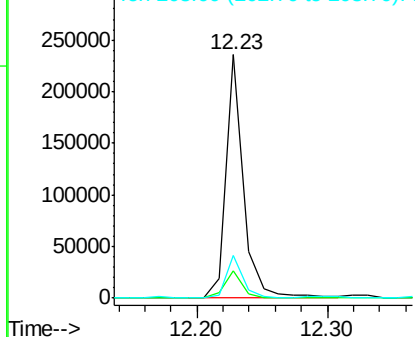


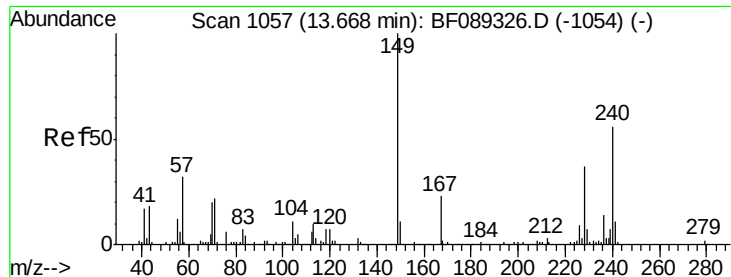
#74
 Fluoranthene
 Concen: 25.33 ng
 RT: 12.23 min Scan# 931
 Delta R.T. -0.02 min
 Lab File: BF089378.D
 Acq: 28 Jul 2016 22:43

Tgt Ion:202 Resp: 218164
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 29.9
 203 17.3 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF089378.D

Acq: 28 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

SB-40-2.5-3.5

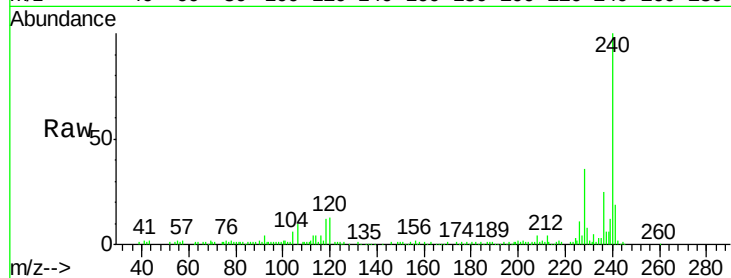
Tgt Ion:240 Resp: 100187

Ion Ratio Lower Upper

240 100

120 13.1 9.1 13.7

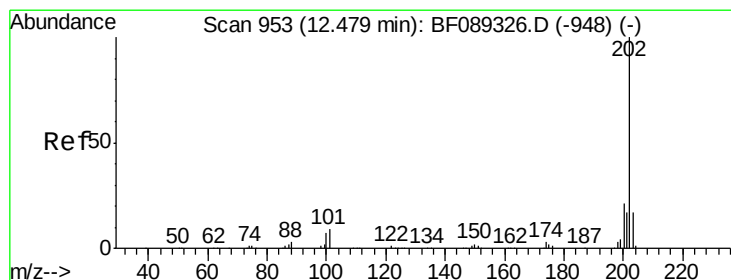
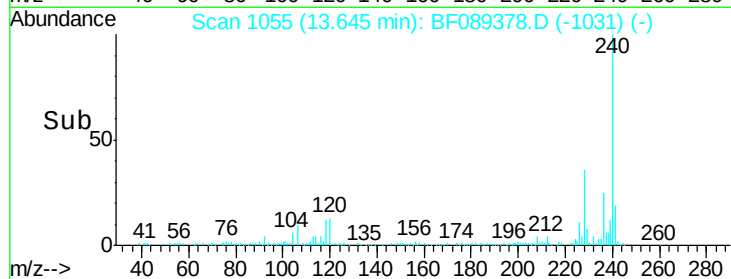
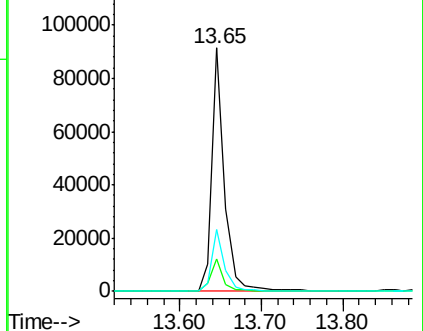
236 25.3 20.6 30.8



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



#77

Pyrene

Concen: 25.11 ng

RT: 12.46 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF089378.D

Acq: 28 Jul 2016 22:43

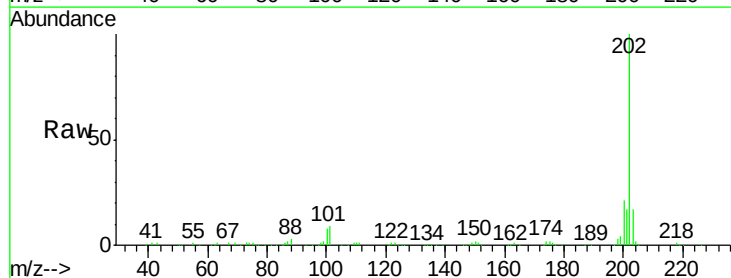
Tgt Ion:202 Resp: 190627

Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

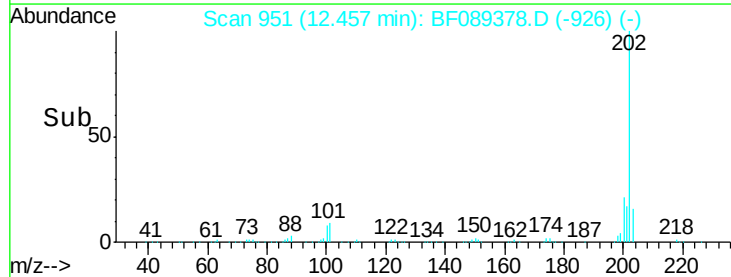
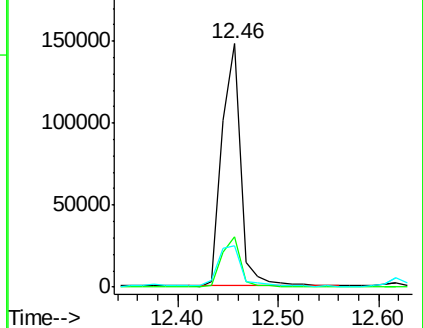
203 17.1 14.0 21.0

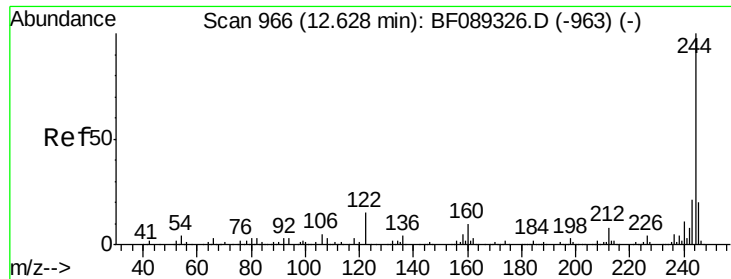


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

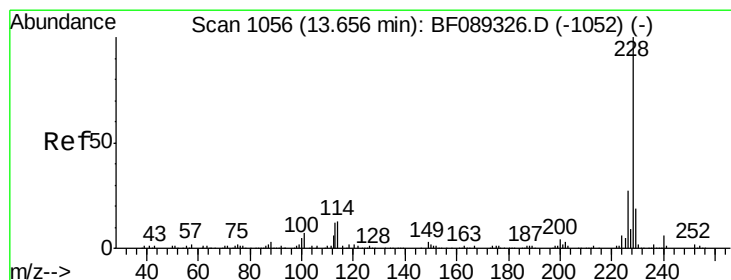
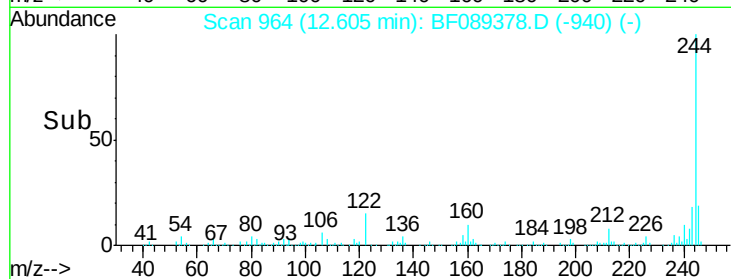
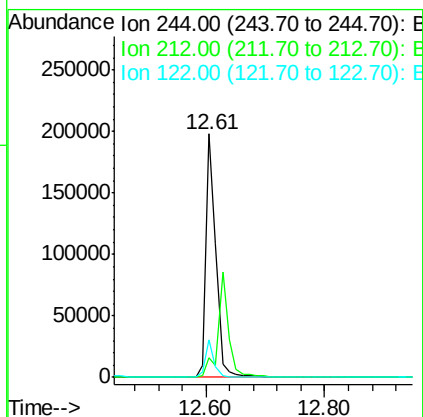
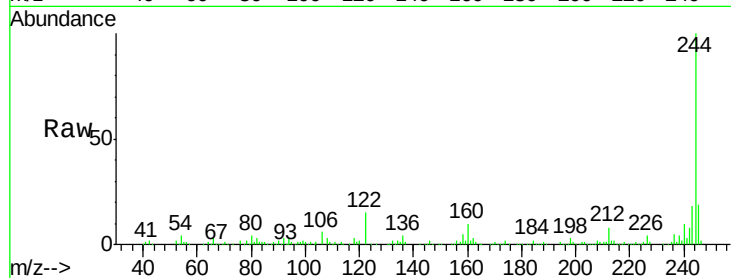




#78
 Terphenyl-d14
 Concen: 55.04 ng
 RT: 12.61 min Scan# 964
 Delta R.T. -0.02 min
 Lab File: BF089378.D
 Acq: 28 Jul 2016 22:43

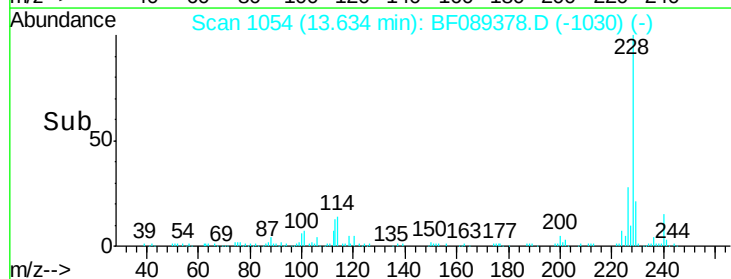
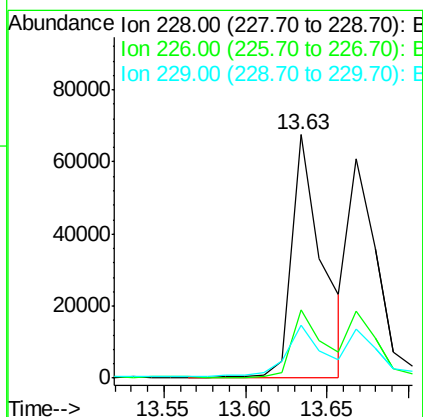
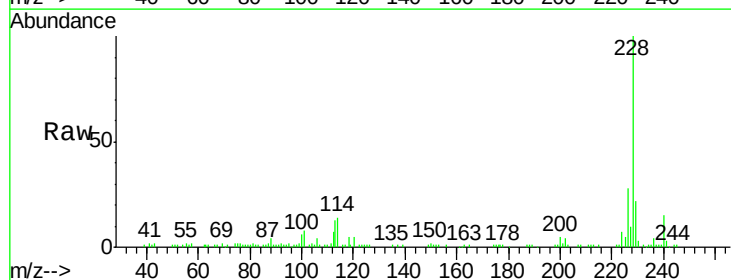
Instrument :
 BNA_F
 ClientSampleId :
 SB-40-2.5-3.5

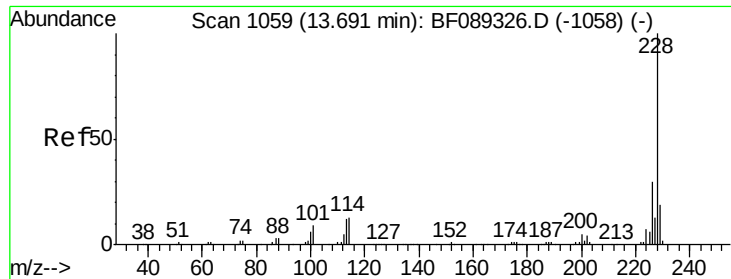
Tgt Ion:244 Resp: 235608
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.5 9.7
 122 15.4 11.4 17.0



#80
 Benzo(a)anthracene
 Concen: 15.79 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BF089378.D
 Acq: 28 Jul 2016 22:43

Tgt Ion:228 Resp: 89301
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.4 32.2
 229 21.5 15.9 23.9





#82

Chrysene

Concen: 12.65 ng

RT: 13.67 min Scan# 1057

Delta R.T. -0.02 min

Lab File: BF089378.D

Acq: 28 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

SB-40-2.5-3.5

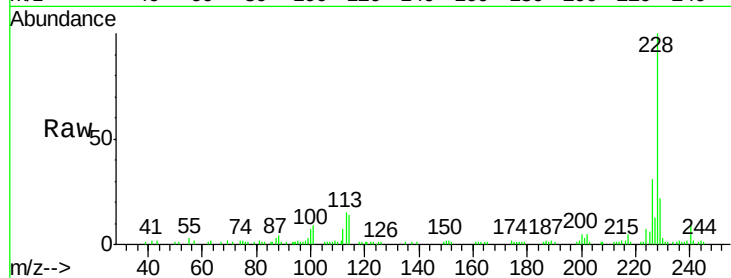
Tgt Ion:228 Resp: 76122

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.2

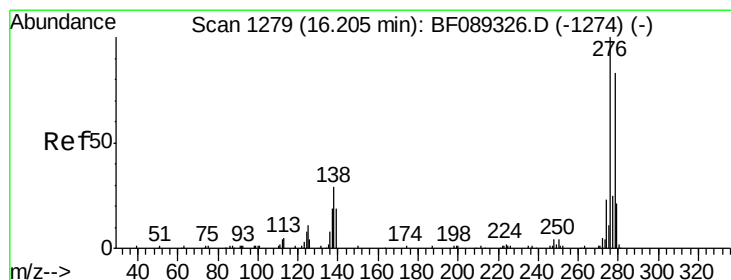
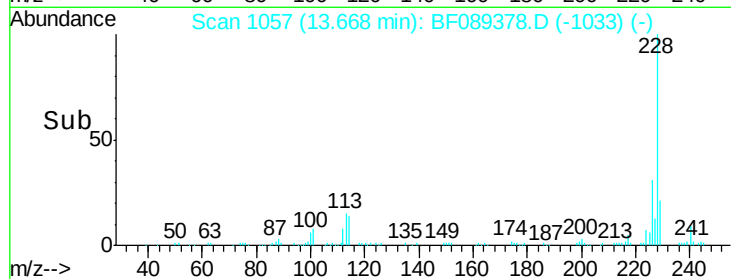
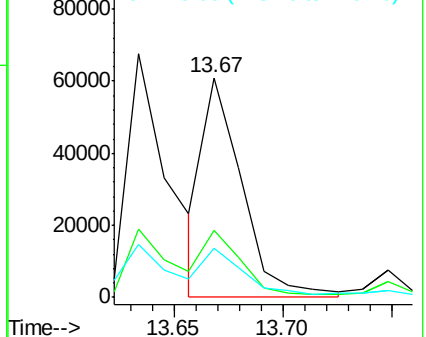
229 22.2 15.9 23.9



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.92 ng m

RT: 16.17 min Scan# 1276

Delta R.T. -0.03 min

Lab File: BF089378.D

Acq: 28 Jul 2016 22:43

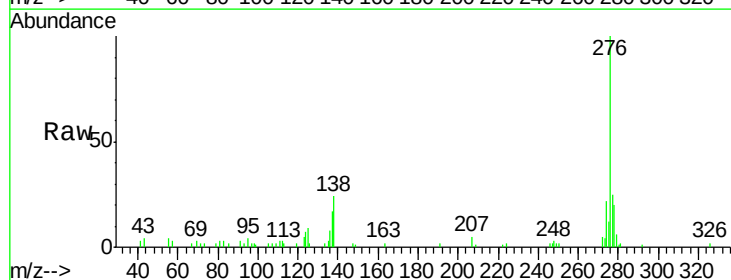
Tgt Ion:276 Resp: 46722

Ion Ratio Lower Upper

276 100

138 7.1 23.0 34.4#

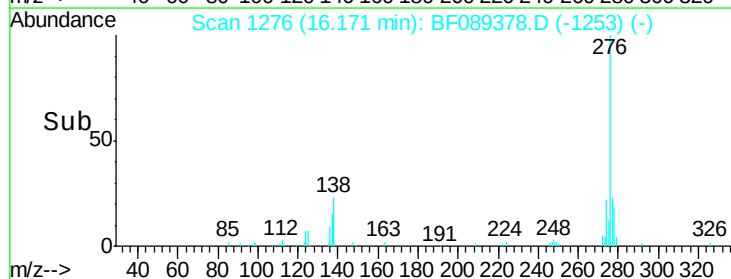
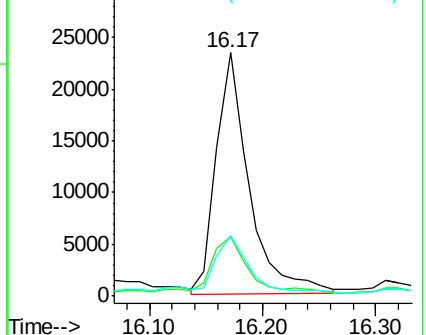
277 7.5 20.2 30.4#

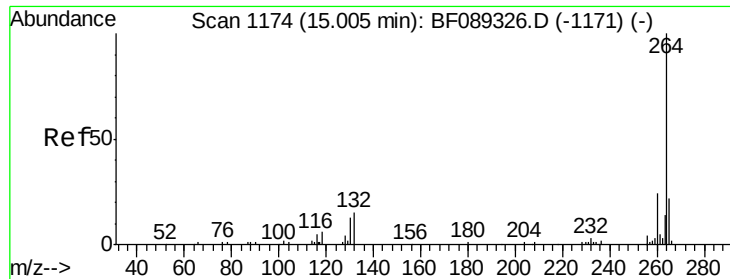


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

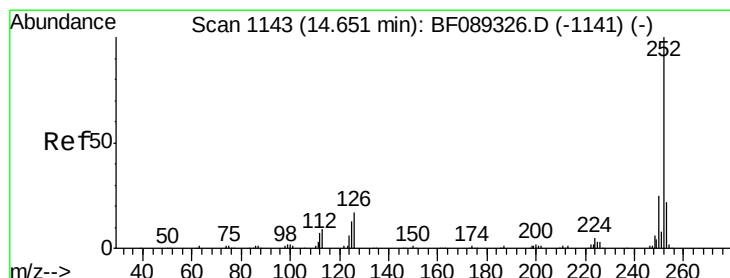
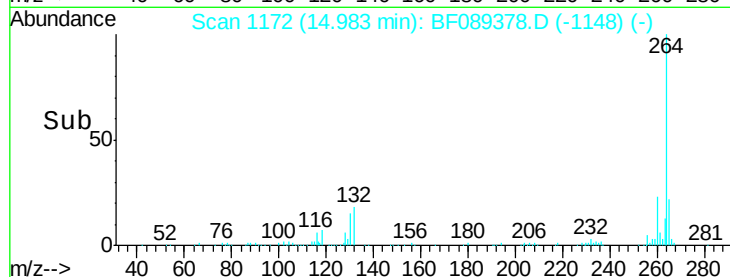
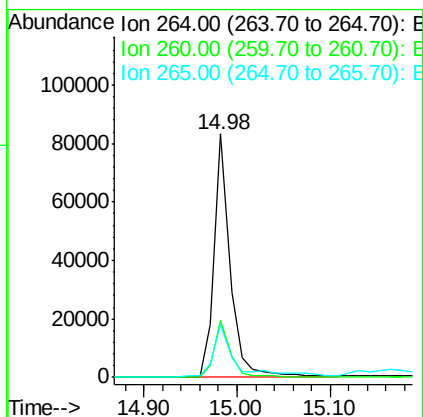
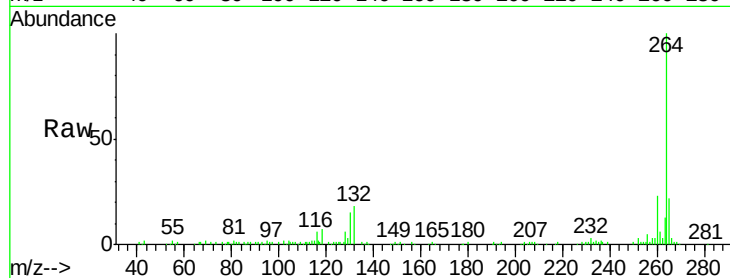




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF089378.D
Acq: 28 Jul 2016 22:43

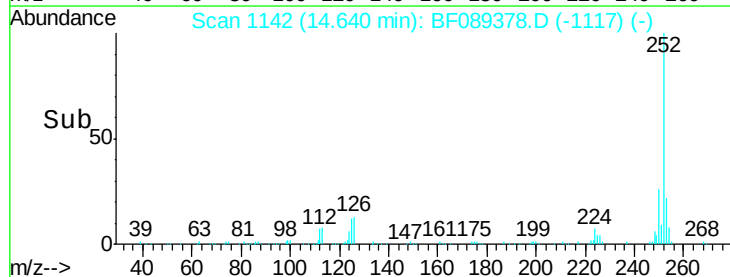
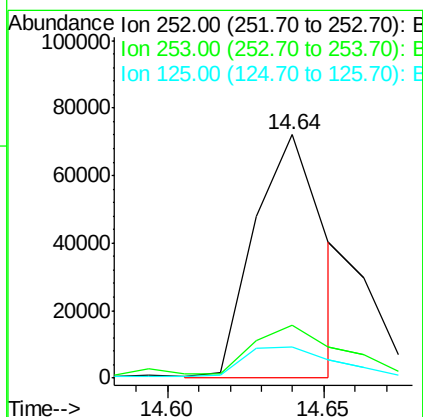
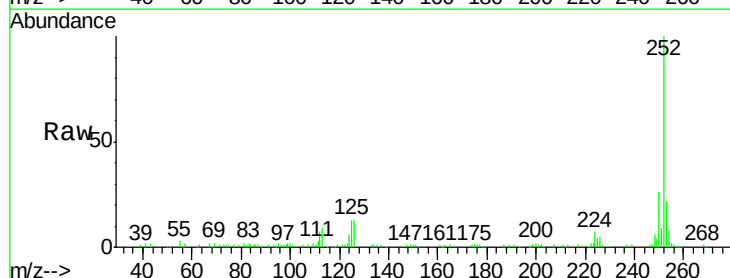
Instrument :
BNA_F
ClientSampleId :
SB-40-2.5-3.5

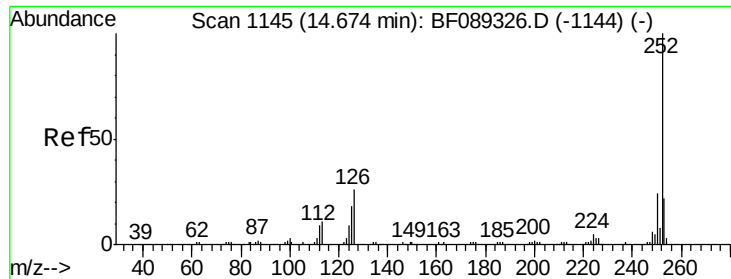
Tgt Ion: 264 Resp: 101168
Ion Ratio Lower Upper
264 100
260 23.1 19.0 28.4
265 21.9 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 17.68 ng m
RT: 14.64 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF089378.D
Acq: 28 Jul 2016 22:43

Tgt Ion: 252 Resp: 111081
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 12.9 9.7 14.5





#88

Benzo(k)fluoranthene

Concen: 4.95 ng m

RT: 14.65 min Scan# 1143

Delta R.T. -0.02 min

Lab File: BF089378.D

Acq: 28 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

SB-40-2.5-3.5

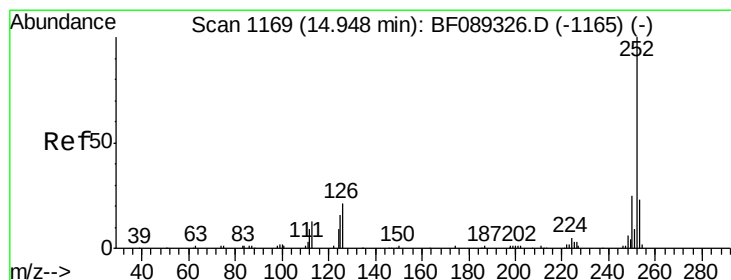
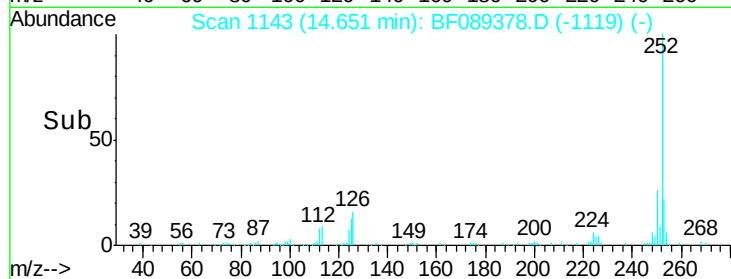
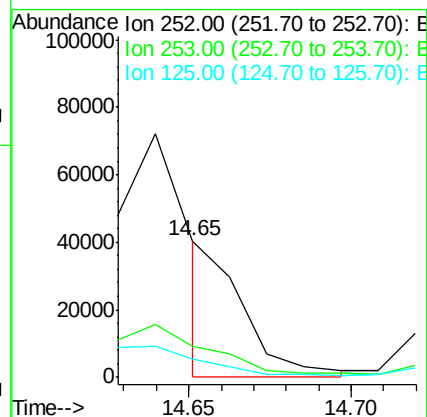
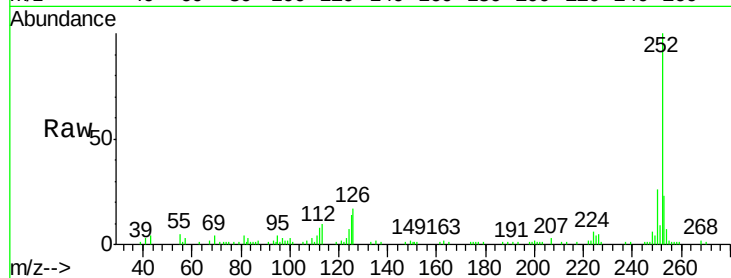
Tgt Ion:252 Resp: 28584

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 13.9 10.7 16.1



#89

Benzo(a)pyrene

Concen: 13.35 ng m

RT: 14.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF089378.D

Acq: 28 Jul 2016 22:43

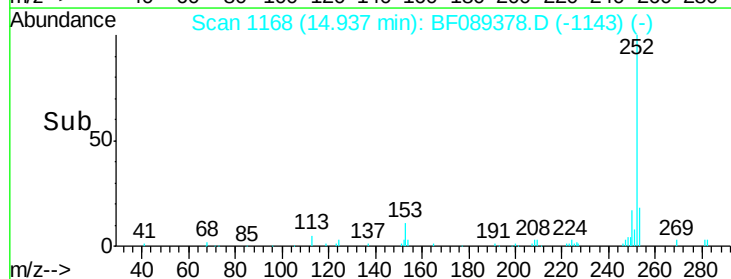
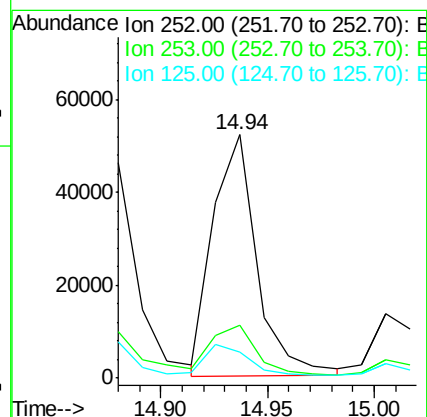
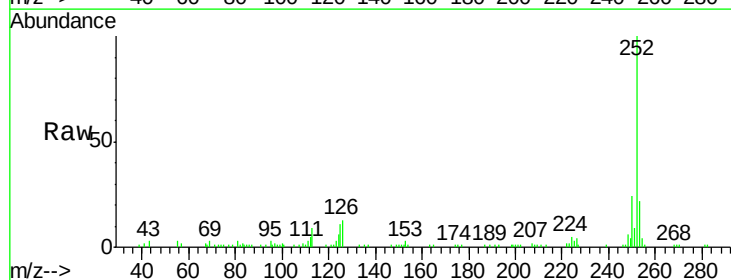
Tgt Ion:252 Resp: 75230

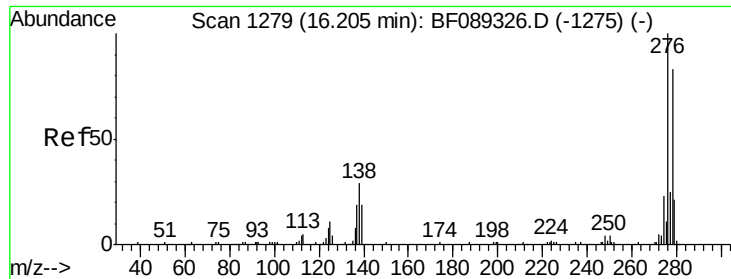
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 10.6 12.4 18.6#





#90

Dibenzo(a,h)anthracene

Concen: 2.29 ng m

RT: 16.18 min Scan# 1277

Delta R.T. -0.02 min

Lab File: BF089378.D

Acq: 28 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

SB-40-2.5-3.5

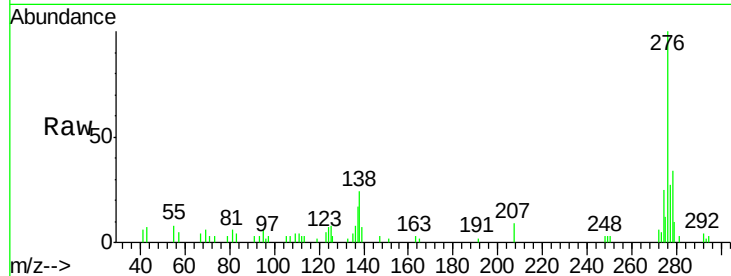
Tgt Ion:278 Resp: 10152

Ion Ratio Lower Upper

278 100

139 21.1 16.3 24.5

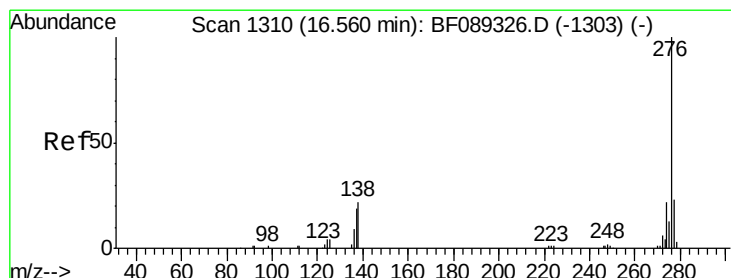
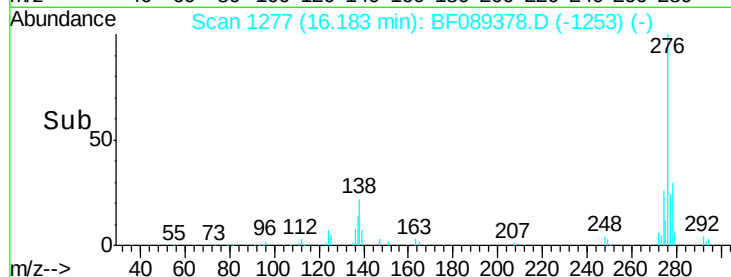
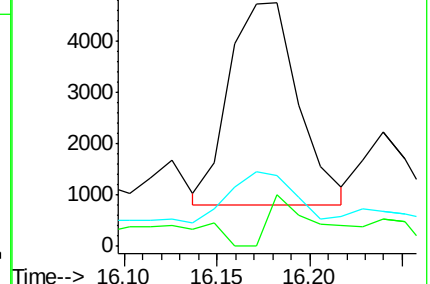
279 28.9 19.1 28.7#



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(g,h,i)perylene

Concen: 10.73 ng

RT: 16.53 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF089378.D

Acq: 28 Jul 2016 22:43

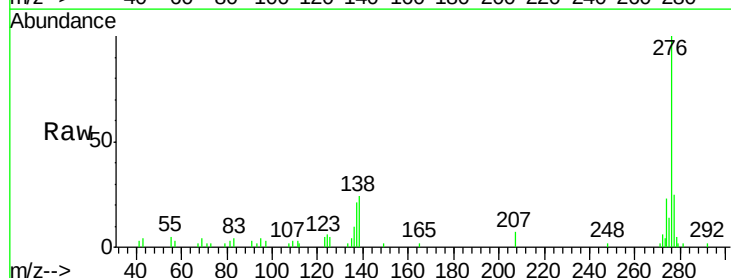
Tgt Ion:276 Resp: 46815

Ion Ratio Lower Upper

276 100

277 25.1 18.6 28.0

138 23.7 21.4 32.0



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

