

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
 Data File : BF089924.D
 Acq On : 26 Aug 2016 22:57
 Operator : UM/SJ
 Sample : H4596-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RW-1

Quant Time: Aug 26 23:35:49 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 18:51:25 2016
 Response via : Initial Calibration

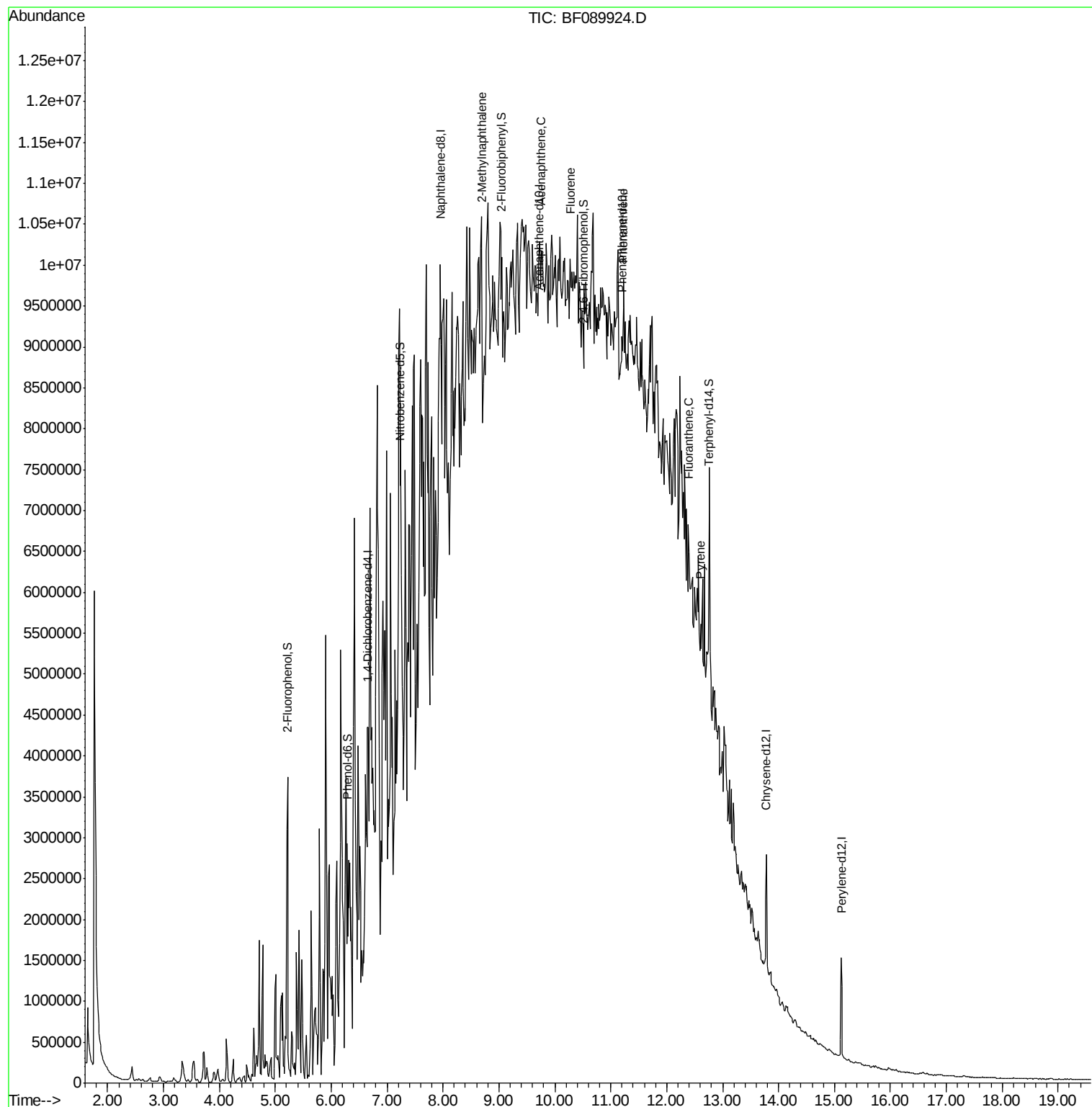
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	307823	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	601234	20.00	ng	0.01
38) Acenaphthene-d10	9.72	164	173344	20.00	ng	0.03
63) Phenanthrene-d10	11.20	188	509148	20.00	ng	0.05
75) Chrysene-d12	13.78	240	601887	20.00	ng	0.00
86) Perylene-d12	15.12	264	622561	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	952578	53.07	ng	0.00
7) Phenol-d6	6.28	99	704066	31.95	ng	-0.01
23) Nitrobenzene-d5	7.23	82	1314284	135.80	ng	0.01
41) 2,4,6-Tribromophenol	10.51	330	325603	197.65	ng	0.03
44) 2-Fluorobiphenyl	9.05	172	1346082	136.48	ng	0.03
78) Terphenyl-d14	12.75	244	1471852	55.32	ng	0.01
Target Compounds						
37) 2-Methylnaphthalene	8.70	142	3107998	170.97	ng	# 94
51) Acenaphthene	9.76	154	323813	30.71	ng	# 88
57) Fluorene	10.27	166	755990	71.62	ng	# 80
70) Phenanthrene	11.22	178	1866034	72.57	ng	# 94
74) Fluoranthene	12.39	202	115686	4.73	ng	62
77) Pyrene	12.60	202	608374	12.41	ng	# 89

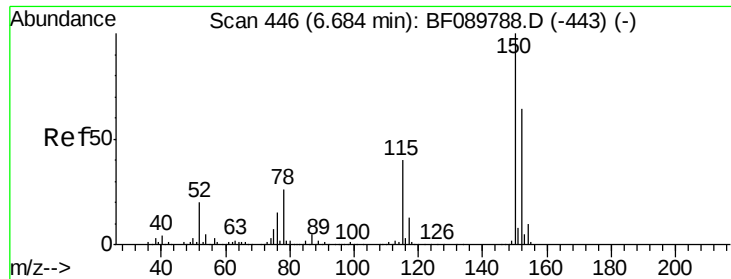
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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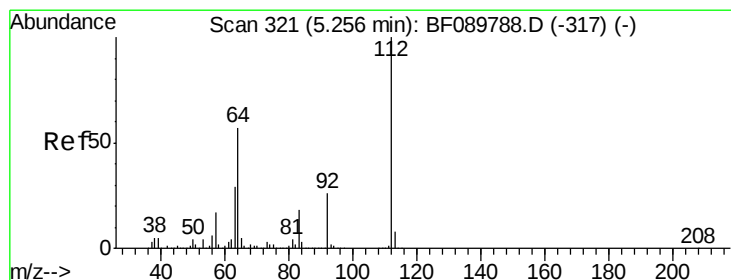
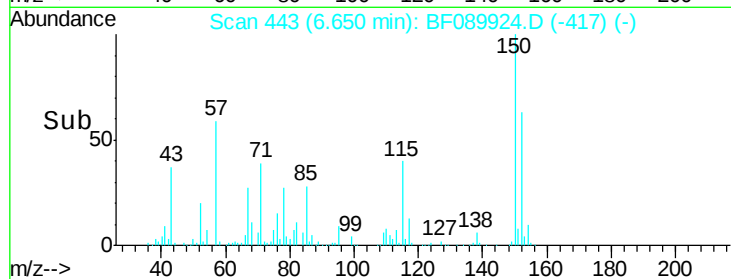
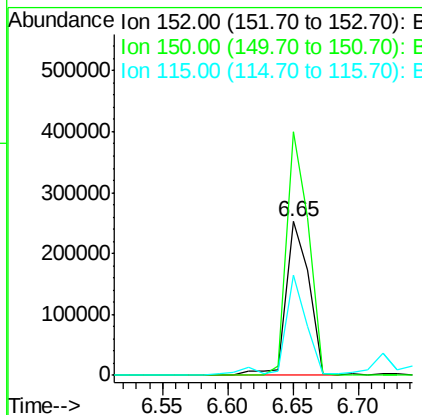
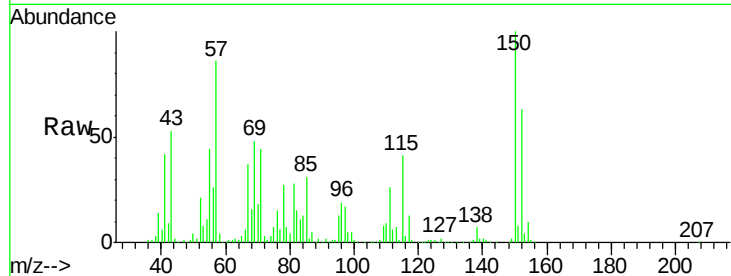


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.65 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

Instrument :
 BNA_F
 ClientSampled :
 RW-1

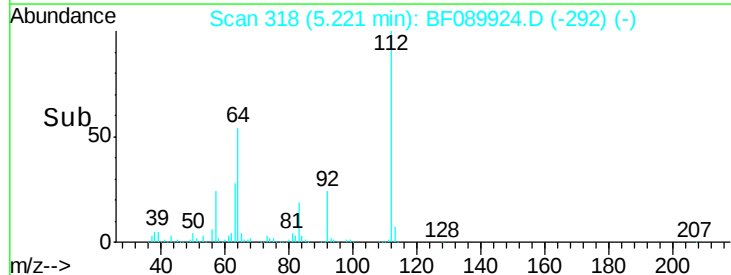
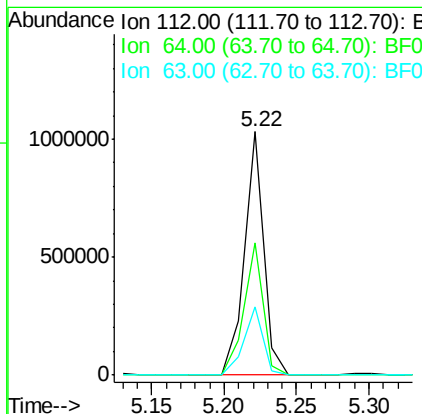
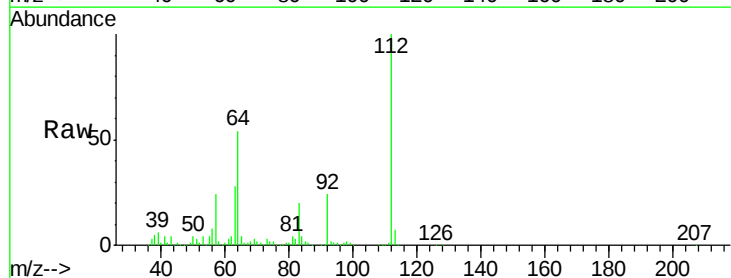
Tot Ion:152 Resp: 307823
 Ion Ratio Lower Upper
 152 100
 150 158.4 125.3 187.9
 115 65.5 40.9 61.3#

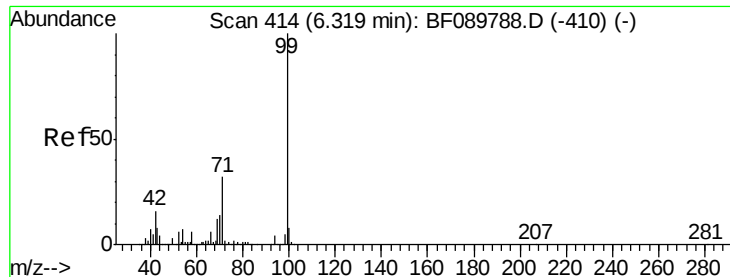


#5

2-Fluorophenol
 Concen: 53.07 ng
 RT: 5.22 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

Tgt Ion:112 Resp: 952578
 Ion Ratio Lower Upper
 112 100
 64 54.1 45.0 67.4
 63 27.9 23.1 34.7





#7

Phenol-d6

Concen: 31.95 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampleId :

RW-1

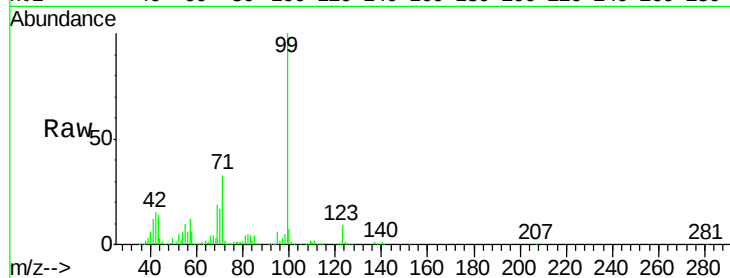
Tot Ion: 99 Resp: 704066

Ion Ratio Lower Upper

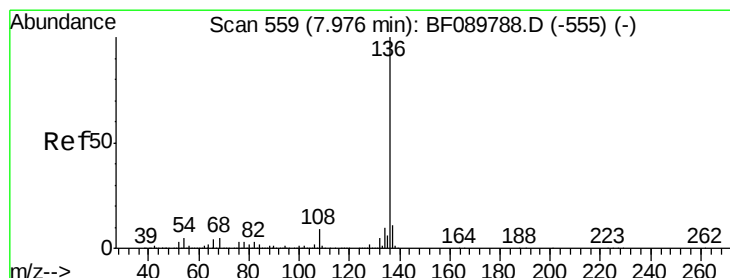
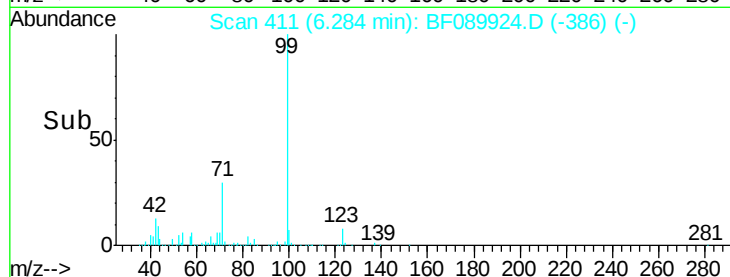
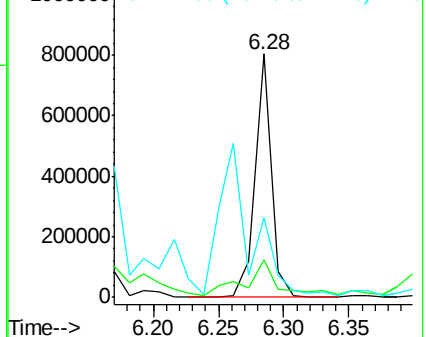
99 100

42 15.3 12.2 18.4

71 32.7 23.8 35.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Tgt Ion: 136 Resp: 601234

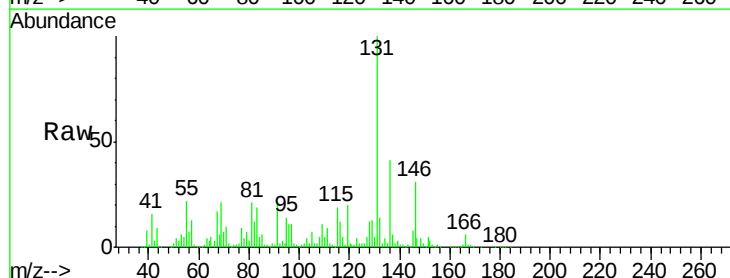
Ion Ratio Lower Upper

136 100

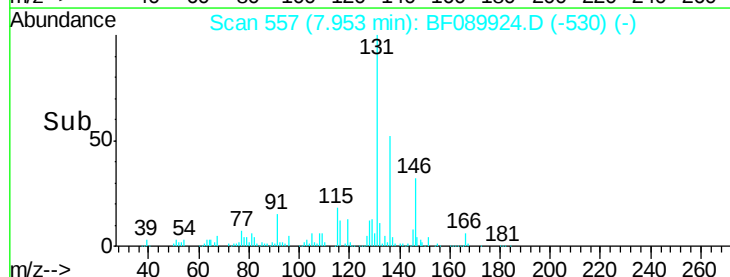
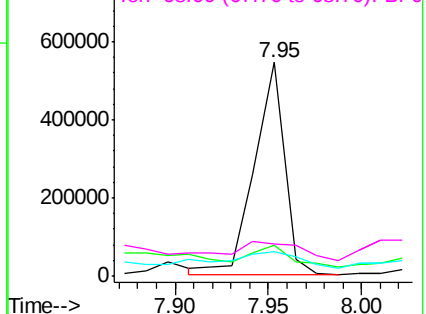
137 14.3 9.2 13.8#

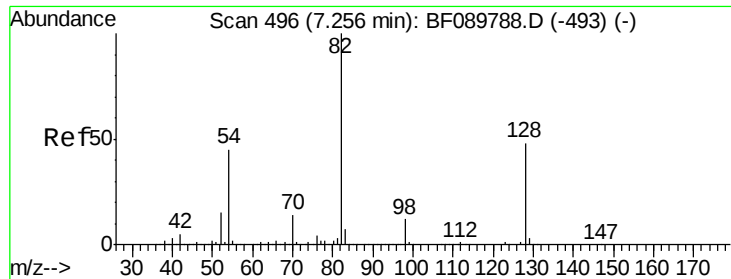
54 11.4 7.2 10.8#

68 14.7 5.8 8.8#



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

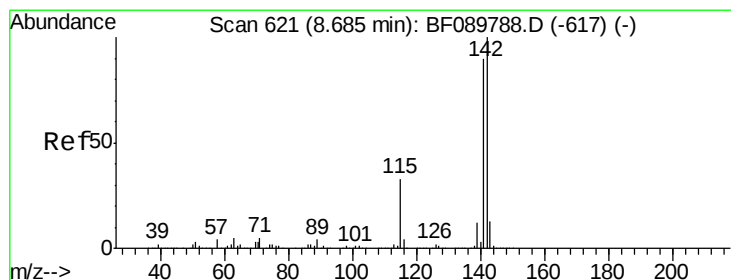
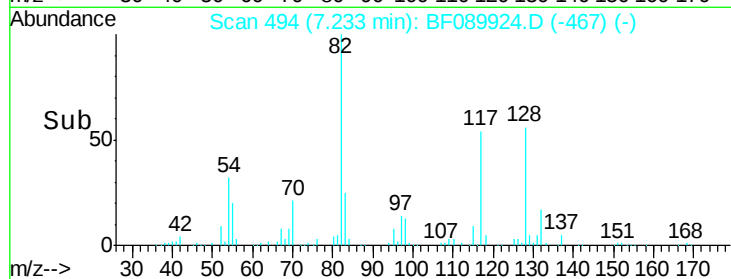
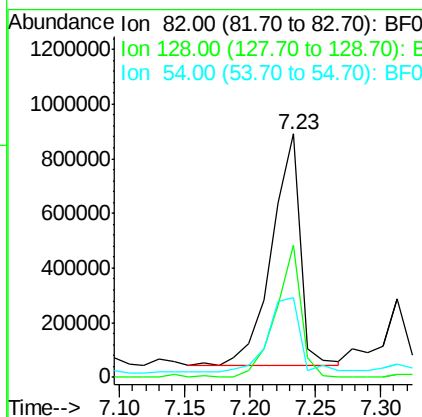
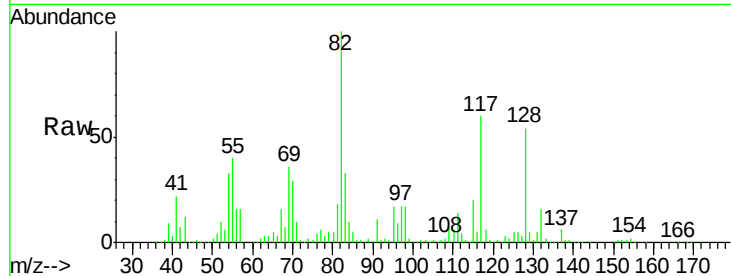




#23
 Nitrobenzene-d5
 Concen: 135.80 ng
 RT: 7.23 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

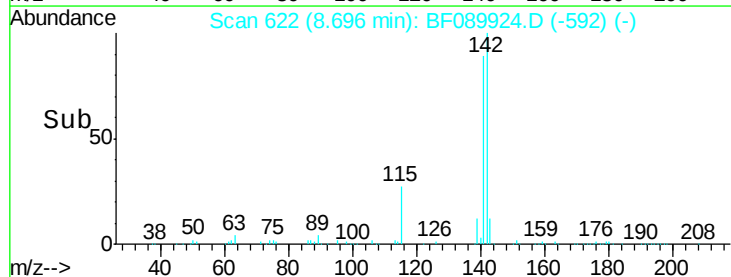
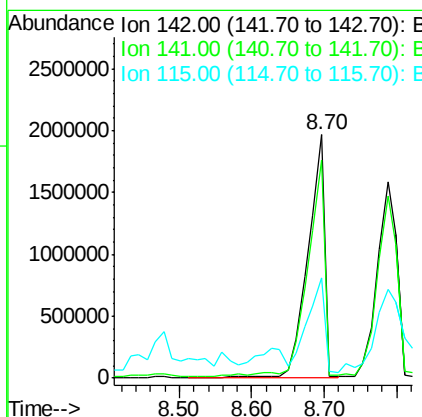
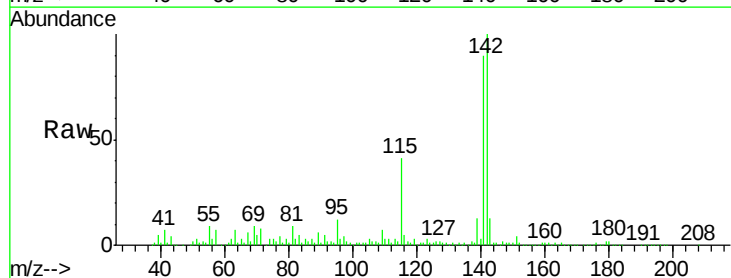
Instrument :
 BNA_F
 ClientSampleID :
 RW-1

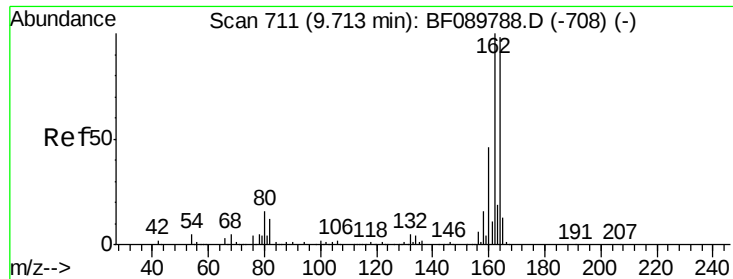
Tot Ion: 82 Resp: 1314284
 Ion Ratio Lower Upper
 82 100
 128 54.2 34.4 51.6#
 54 32.6 40.3 60.5#



#37
 2-Methylnaphthalene
 Concen: 170.97 ng
 RT: 8.70 min Scan# 622
 Delta R.T. 0.05 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

Tgt Ion:142 Resp: 3107998
 Ion Ratio Lower Upper
 142 100
 141 89.6 71.4 107.2
 115 41.0 22.7 34.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. 0.03 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampled :

RW-1

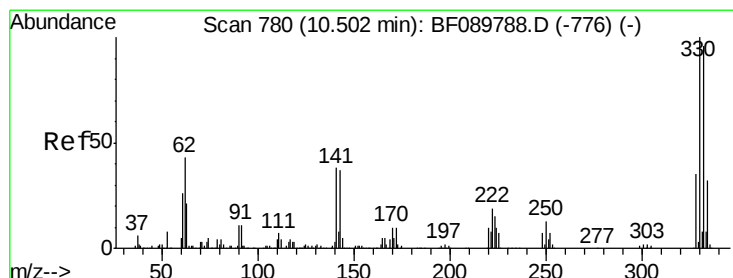
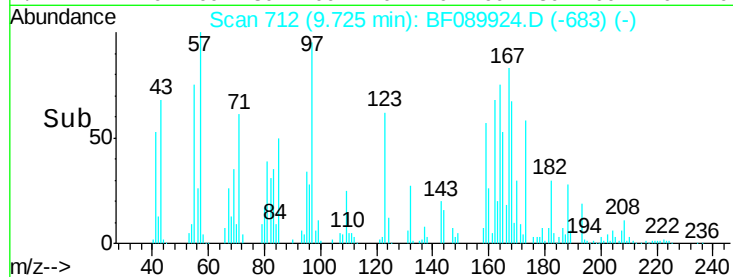
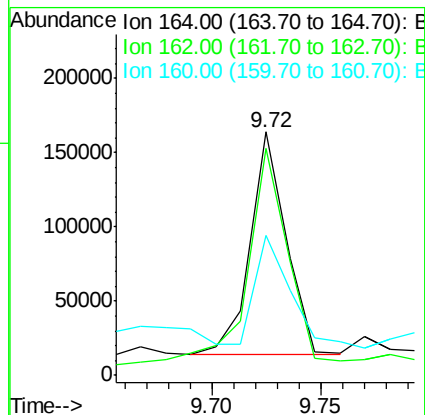
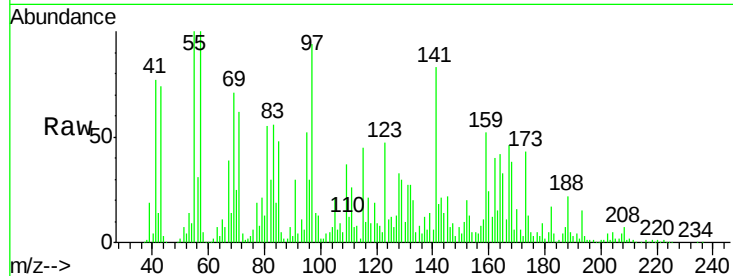
Tot Ion:164 Resp: 173344

Ion Ratio Lower Upper

164 100

162 93.3 81.4 122.2

160 57.6 37.8 56.6#



#41

2,4,6-Tribromophenol

Concen: 197.65 ng

RT: 10.51 min Scan# 781

Delta R.T. 0.03 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

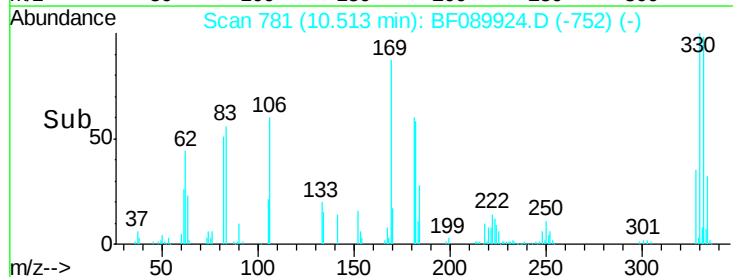
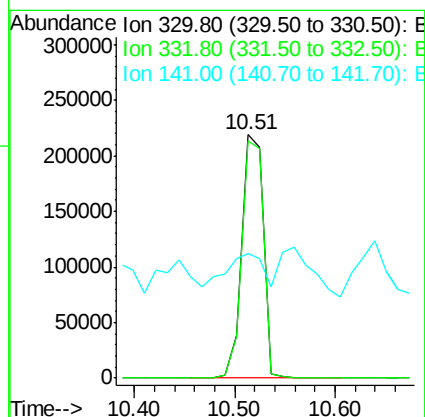
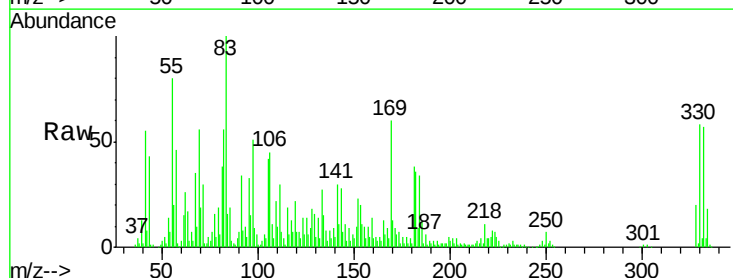
Tgt Ion:330 Resp: 325603

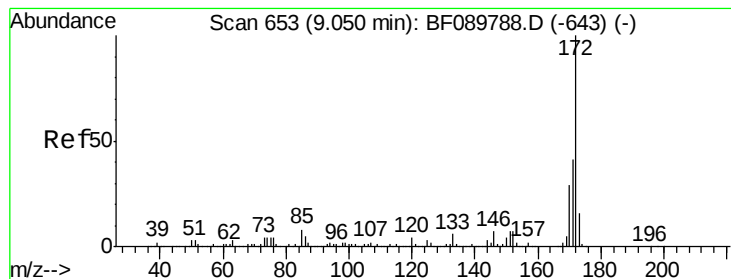
Ion Ratio Lower Upper

330 100

332 98.3 76.7 115.1

141 21.9 30.2 45.2#





#44

2-Fluorobiphenyl

Concen: 136.48 ng

RT: 9.05 min Scan# 653

Delta R.T. 0.03 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

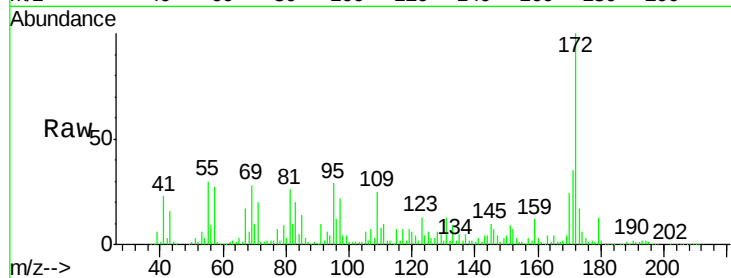
BNA_F

ClientSampled :

RW-1

Tot Ion:172 Resp: 1346082

Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.5	45.7
170	23.9	20.6	31.0

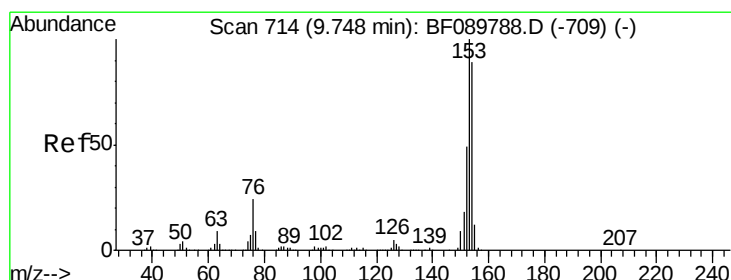
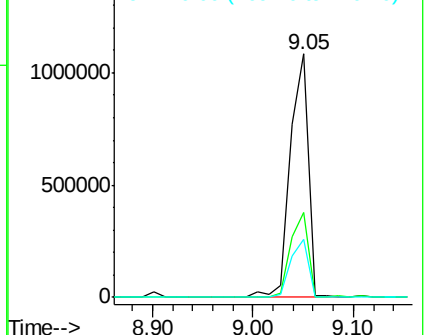
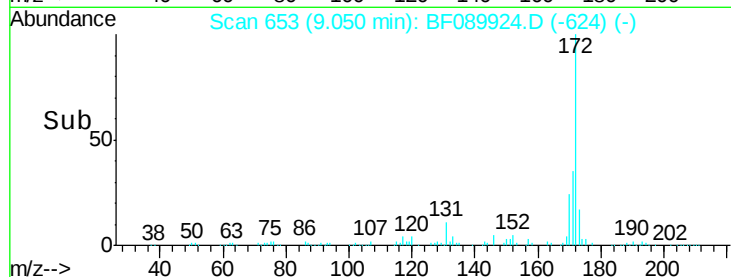


Abundance

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



#51

Acenaphthene

Concen: 30.71 ng

RT: 9.76 min Scan# 715

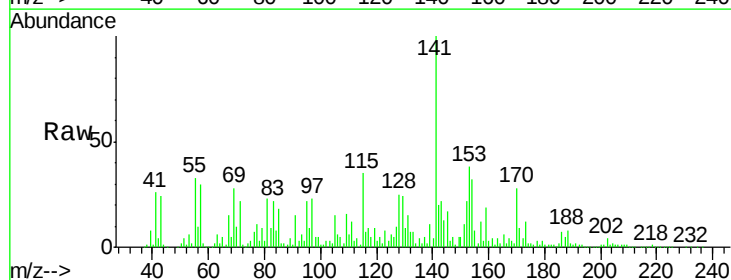
Delta R.T. 0.03 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Tgt Ion:154 Resp: 323813

Ion	Ratio	Lower	Upper
154	100		
153	121.7	90.5	135.7
152	69.9	44.6	67.0#

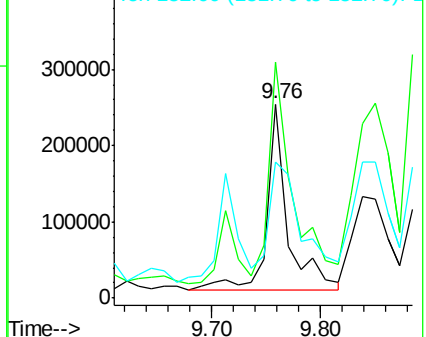
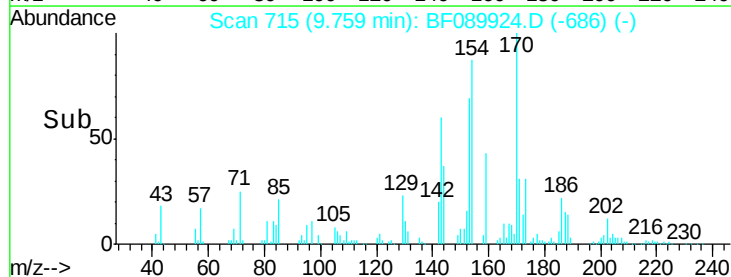


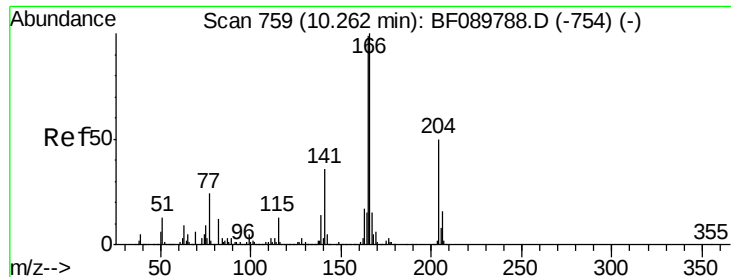
Abundance

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

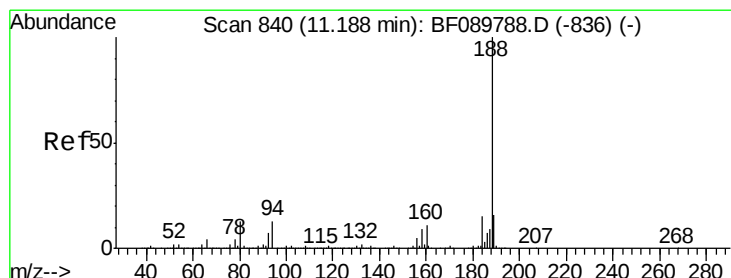
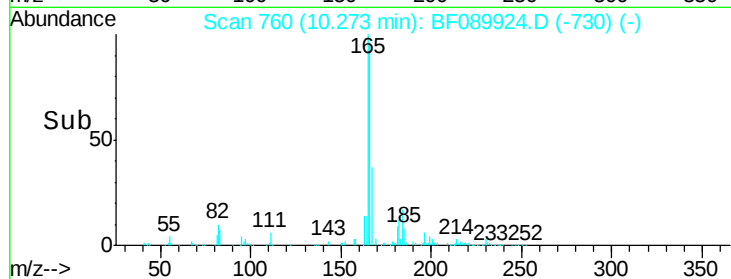
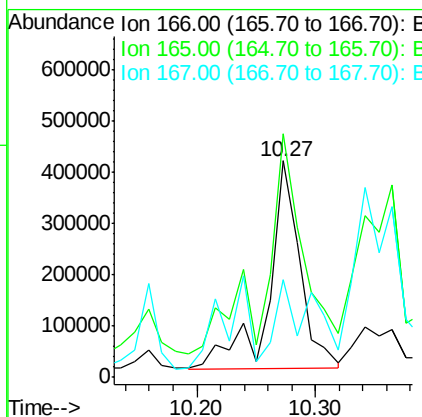
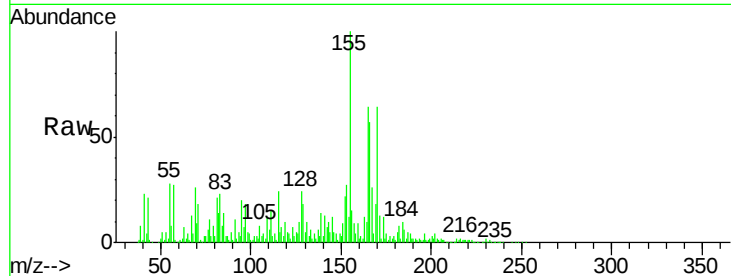




#57
 Fluorene
 Concen: 71.62 ng
 RT: 10.27 min Scan# 760
 Delta R.T. 0.05 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

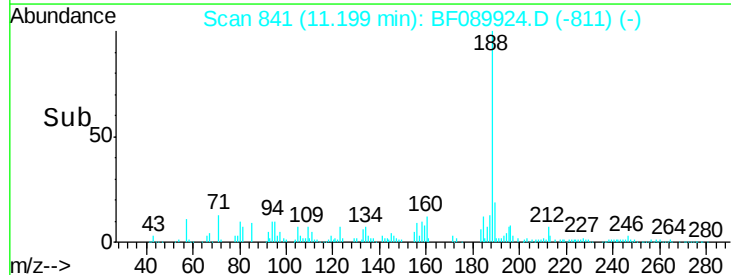
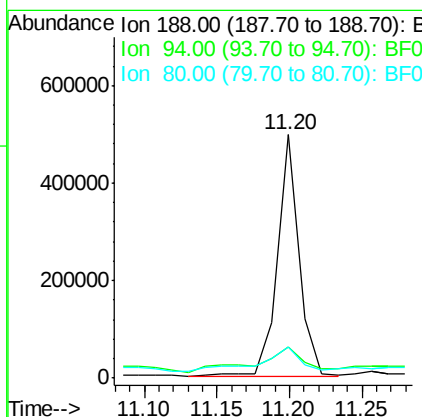
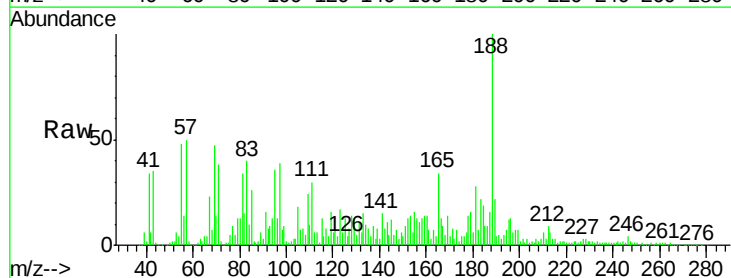
Instrument :
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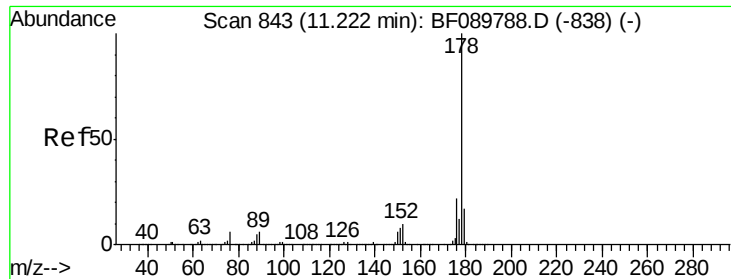
Tot Ion:166 Resp: 755990
 Ion Ratio Lower Upper
 166 100
 165 112.4 80.2 120.4
 167 44.8 11.3 16.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 841
 Delta R.T. 0.05 min
 Lab File: BF089924.D
 Acq: 26 Aug 2016 22:57

Tgt Ion:188 Resp: 509148
 Ion Ratio Lower Upper
 188 100
 94 13.0 10.2 15.2
 80 12.8 10.9 16.3

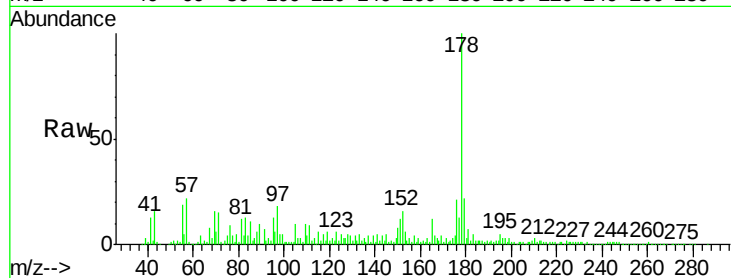




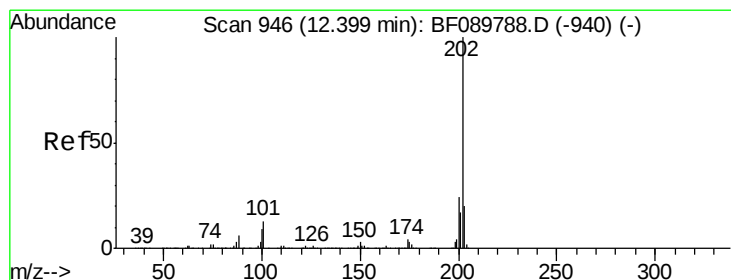
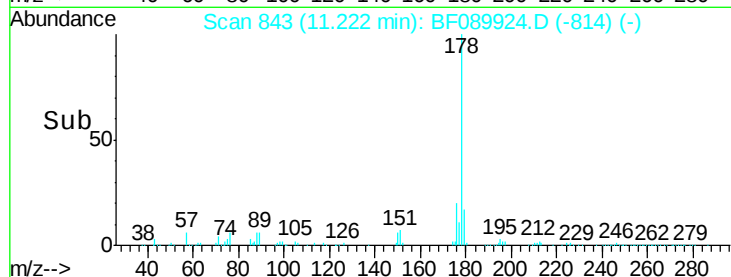
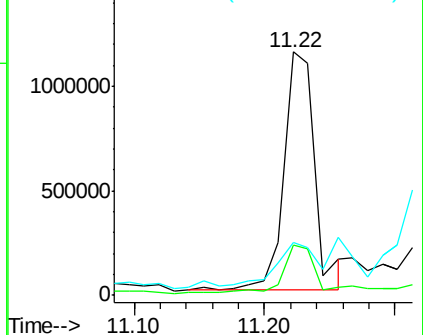
#70
Phenanthrene
Concen: 72.57 ng
RT: 11.22 min Scan# 843
Delta R.T. 0.03 min
Lab File: BF089924.D
Acq: 26 Aug 2016 22:57

Instrument :
BNA_F
ClientSampleId :
RW-1

Tot Ion:178 Resp: 1866034
Ion Ratio Lower Upper
178 100
176 20.5 16.4 24.6
179 21.8 12.5 18.7#

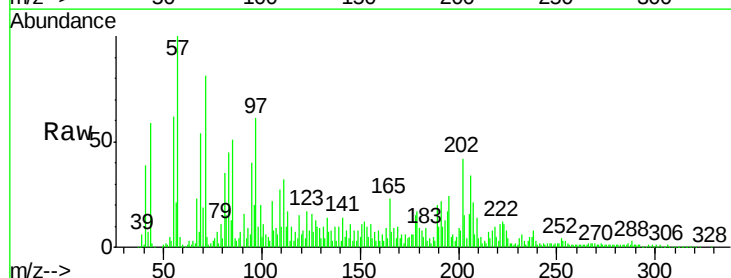


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

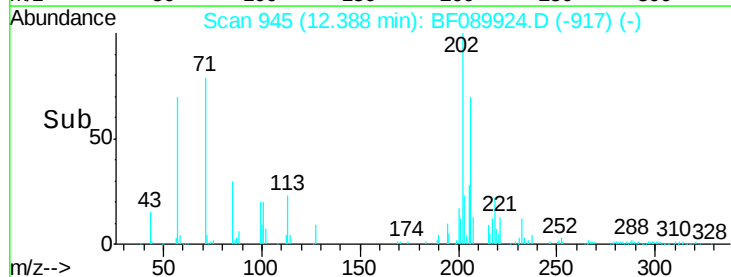
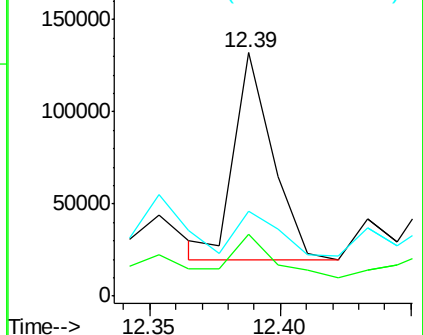


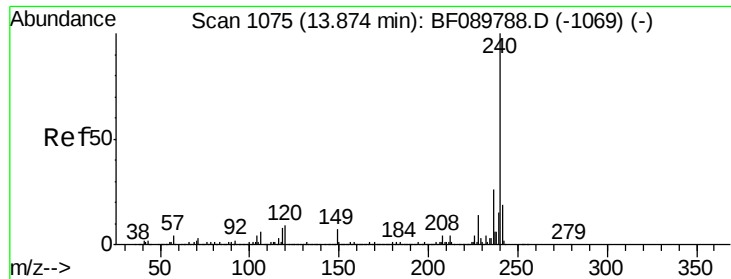
#74
Fluoranthene
Concen: 4.73 ng
RT: 12.39 min Scan# 945
Delta R.T. 0.02 min
Lab File: BF089924.D
Acq: 26 Aug 2016 22:57

Tgt Ion:202 Resp: 115686
Ion Ratio Lower Upper
202 100
101 25.3 0.0 31.2
203 35.0 0.0 38.1



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: 13.78 min Scan# 1067

Delta R.T. -0.00 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampleId :

RW-1

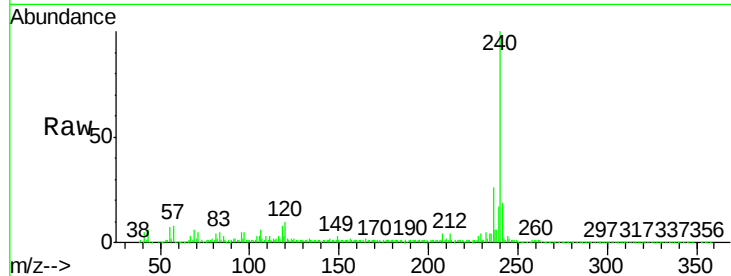
Tot Ion:240 Resp: 601887

Ion Ratio Lower Upper

240 100

120 9.7 8.3 12.5

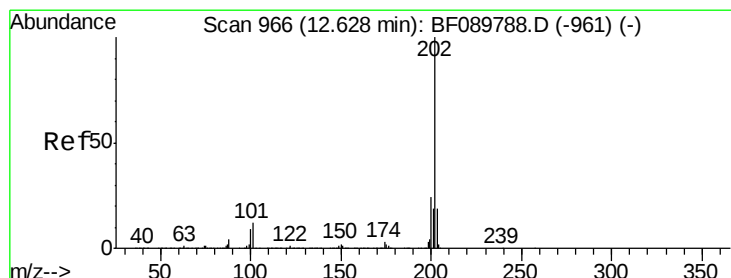
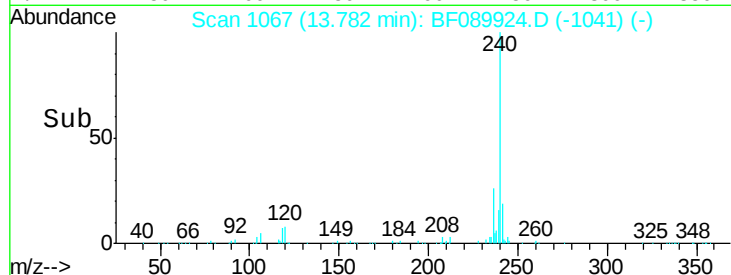
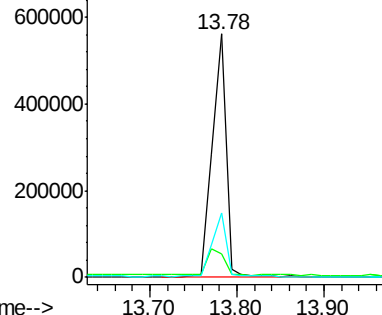
236 26.4 21.3 31.9



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: 12.41 ng

RT: 12.60 min Scan# 964

Delta R.T. 0.02 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

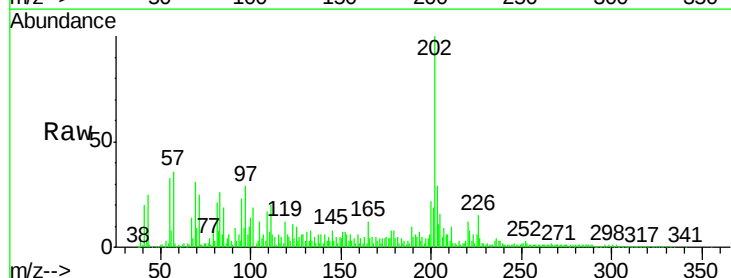
Tgt Ion:202 Resp: 608374

Ion Ratio Lower Upper

202 100

200 21.7 17.8 26.6

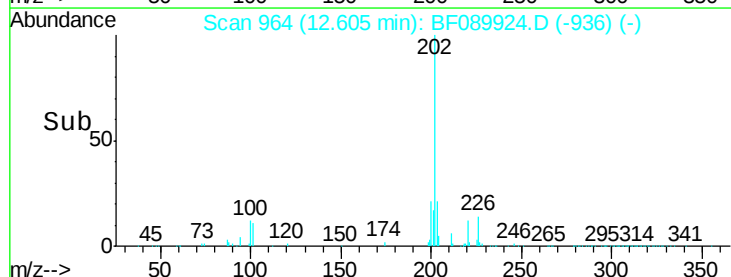
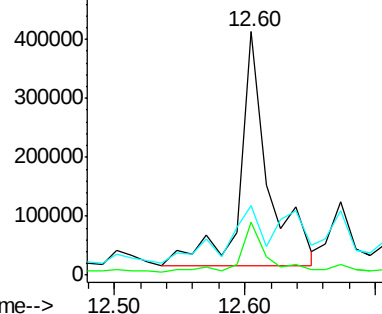
203 28.6 14.2 21.4#

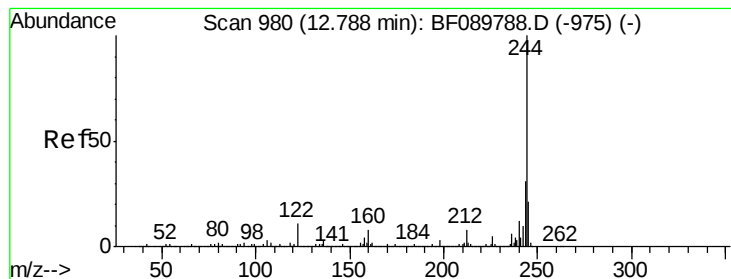


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.32 ng

RT: 12.75 min Scan# 977

Delta R.T. 0.01 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

Instrument :

BNA_F

ClientSampled :

RW-1

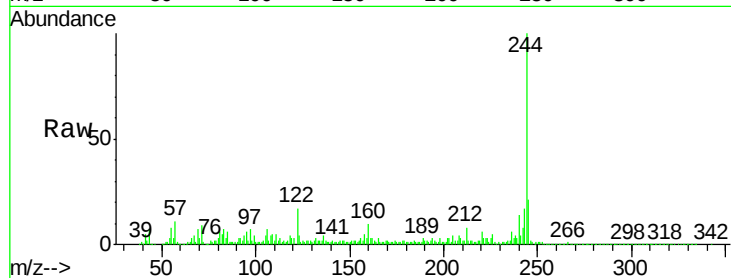
Tot Ion:244 Resp: 1471852

Ion Ratio Lower Upper

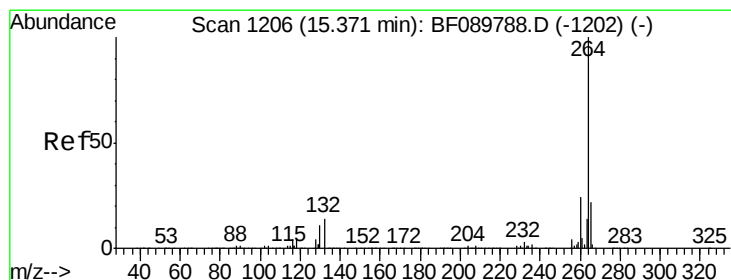
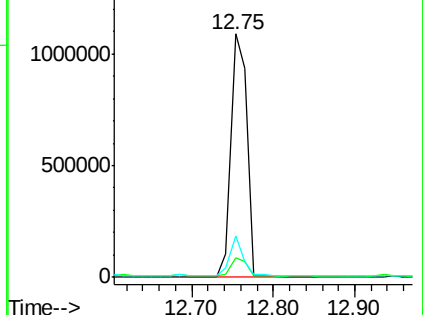
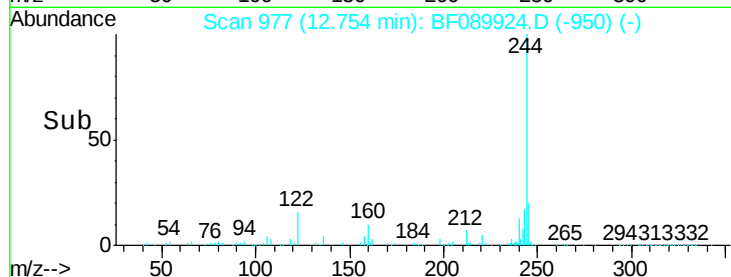
244 100

212 8.2 6.3 9.5

122 17.0 12.0 18.0



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: 15.12 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BF089924.D

Acq: 26 Aug 2016 22:57

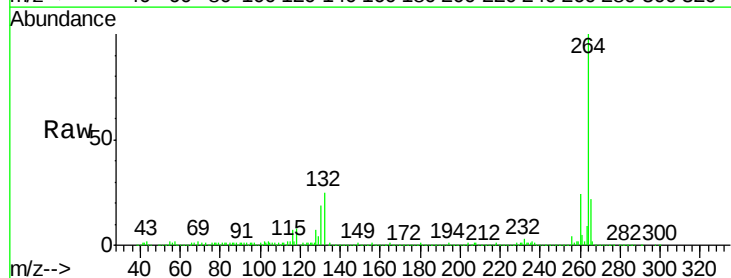
Tgt Ion:264 Resp: 622561

Ion Ratio Lower Upper

264 100

260 24.3 20.2 30.2

265 22.4 17.4 26.2



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

