

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070116\
 Data File : BF088577.D
 Acq On : 1 Jul 2016 16:18
 Operator : UM/SJ
 Sample : H3808-17 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 01 17:08:27 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

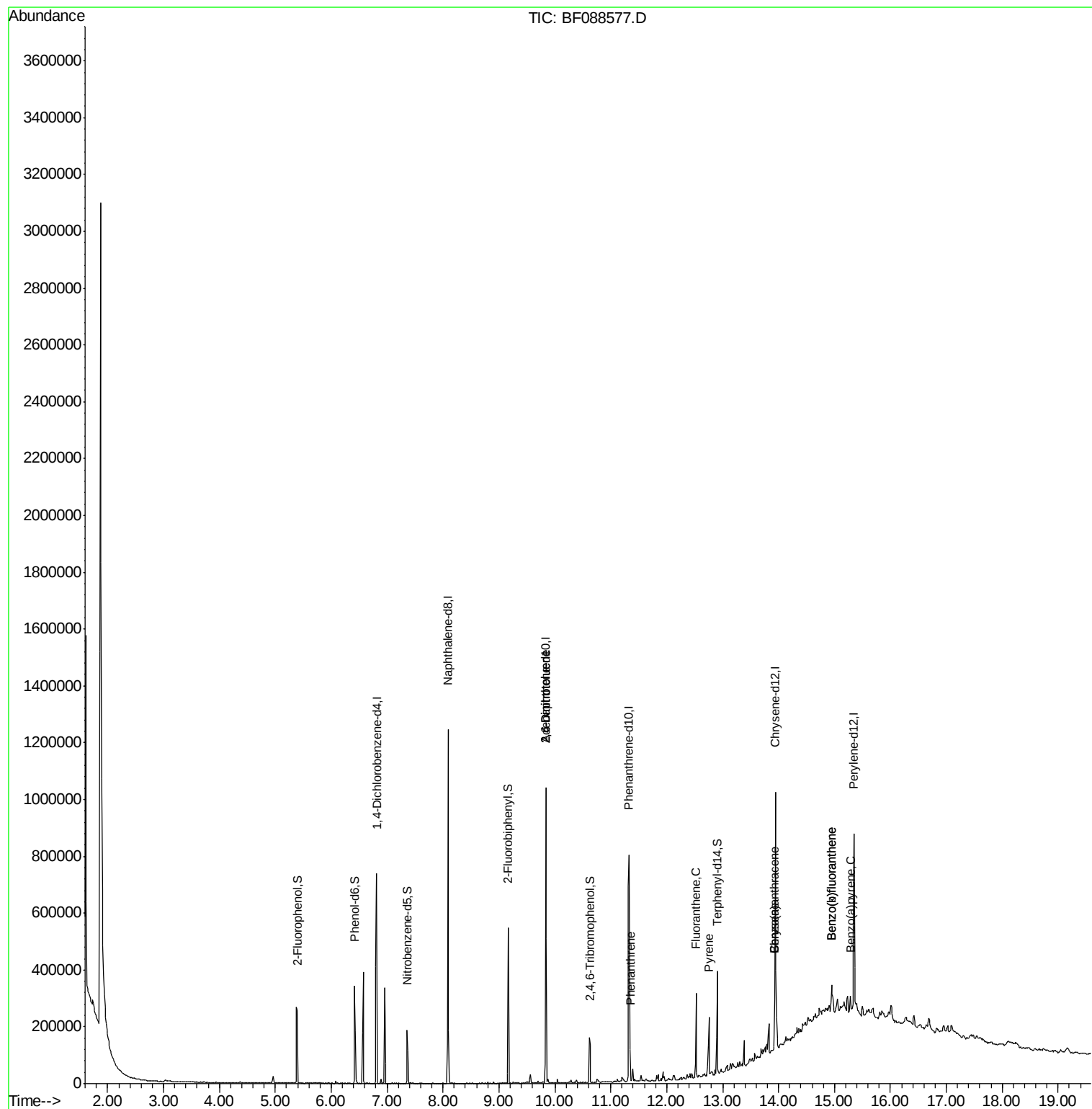
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	132264	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	515545	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	225403	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	405264	20.00	ng	0.00
75) Chrysene-d12	13.94	240	271905	20.00	ng	-0.01
86) Perylene-d12	15.35	264	260744	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	108490	12.29	ng	-0.01
7) Phenol-d6	6.42	99	139188	12.21	ng	-0.02
23) Nitrobenzene-d5	7.36	82	75008	7.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.63	330	23378	11.17	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	150414	10.54	ng	-0.01
78) Terphenyl-d14	12.90	244	106246	8.70	ng	-0.01
Target Compounds						
50) 2,6-Dinitrotoluene	9.84	165	28931	8.13	ng	# 40
56) 2,4-Dinitrotoluene	9.84	165	28933	6.22	ng	# 38
70) Phenanthrene	11.35	178	66878	3.02	ng	97
74) Fluoranthene	12.53	202	104704	4.66	ng	98
77) Pyrene	12.75	202	88620	3.84	ng	98
80) Benzo(a)anthracene	13.93	228	47111	2.69	ng	97
82) Chrysene	13.93	228	47111	2.72	ng	98
87) Benzo(b)fluoranthene	14.95	252	66400	4.06	ng	# 90
88) Benzo(k)fluoranthene	14.95	252	66400	4.66	ng	# 95
89) Benzo(a)pyrene	15.29	252	32696	2.36	ng	96

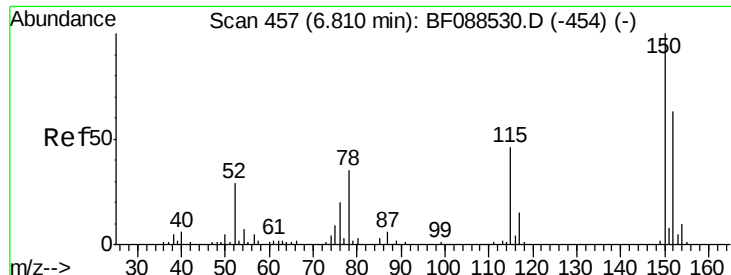
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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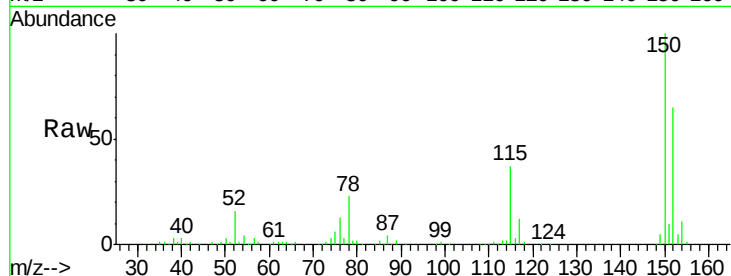


#1

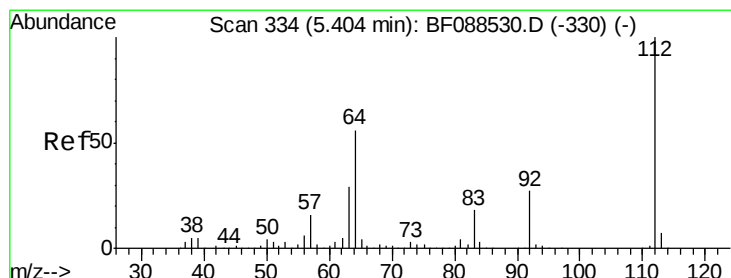
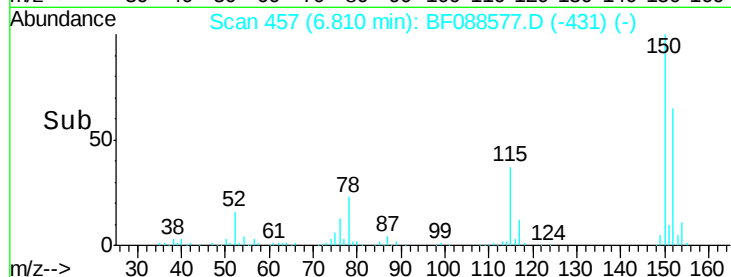
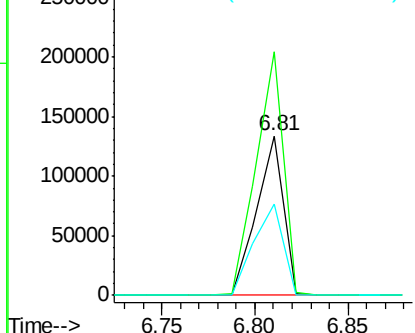
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF088577.D
Acq: 1 Jul 2016 16:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 132264
Ion Ratio Lower Upper
152 100
150 153.0 123.8 185.6
115 57.2 39.6 59.4



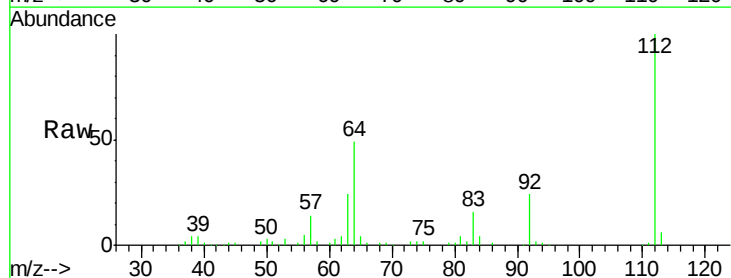
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



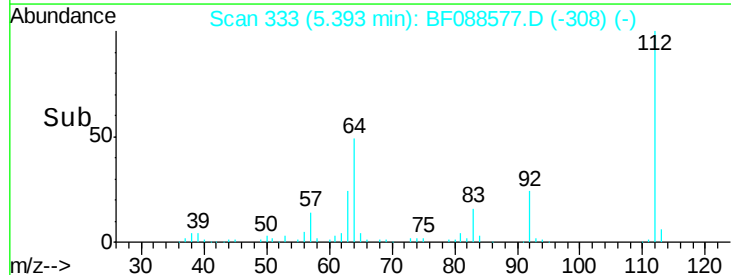
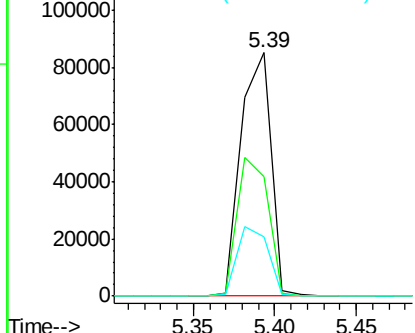
#5

2-Fluorophenol
Concen: 12.29 ng
RT: 5.39 min Scan# 333
Delta R.T. -0.01 min
Lab File: BF088577.D
Acq: 1 Jul 2016 16:18

Tgt Ion:112 Resp: 108490
Ion Ratio Lower Upper
112 100
64 49.3 42.2 63.2
63 24.5 21.8 32.8



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: 12.21 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088577.D

Acq: 1 Jul 2016 16:18

Instrument :

BNA_F

ClientSampleId :

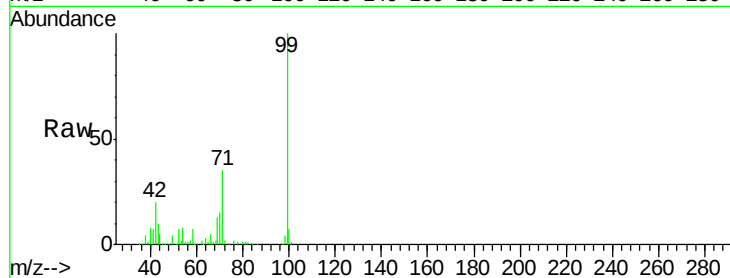
Tot Ion: 99 Resp: 139188

Ion Ratio Lower Upper

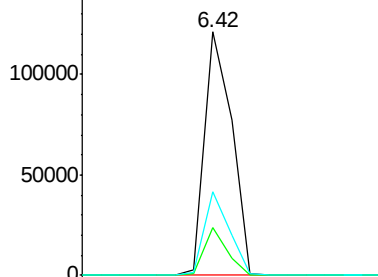
99 100

42 19.7 12.2 18.2#

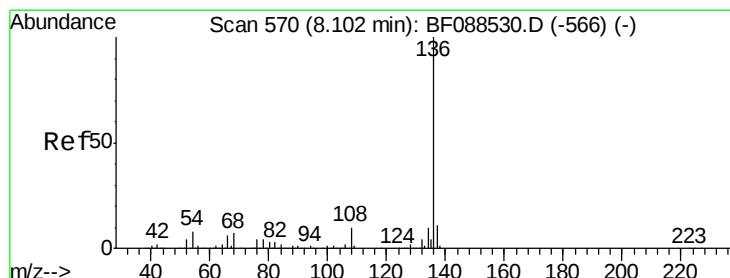
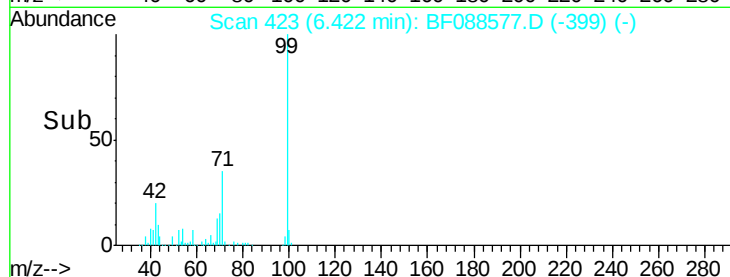
71 34.6 23.4 35.0



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



Time--> 6.35 6.40 6.45 6.50



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.01 min

Lab File: BF088577.D

Acq: 1 Jul 2016 16:18

Tgt Ion: 136 Resp: 515545

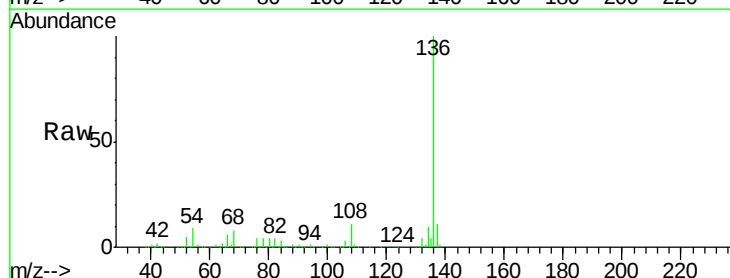
Ion Ratio Lower Upper

136 100

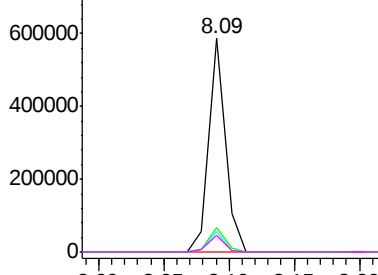
137 11.3 9.1 13.7

54 9.3 6.6 10.0

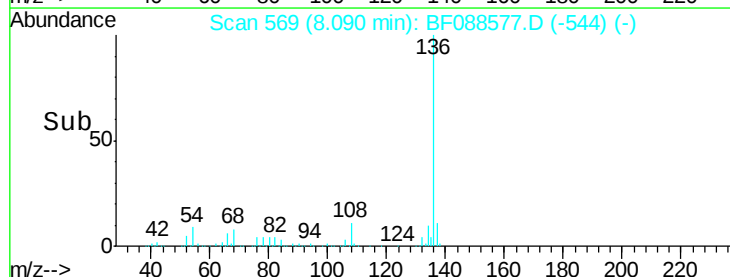
68 8.0 5.1 7.7#

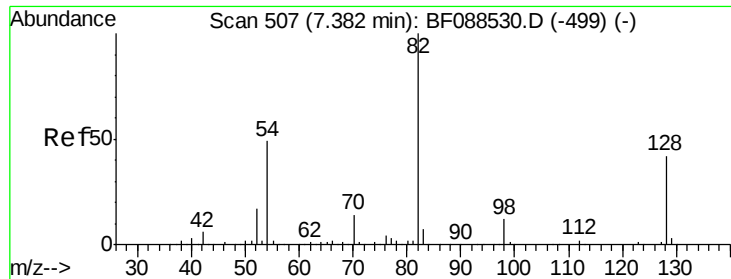


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



Time--> 8.00 8.05 8.10 8.15 8.20

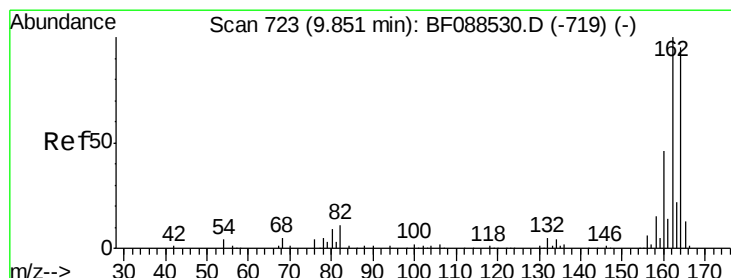
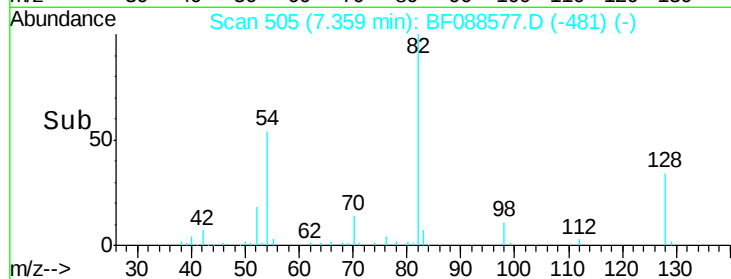
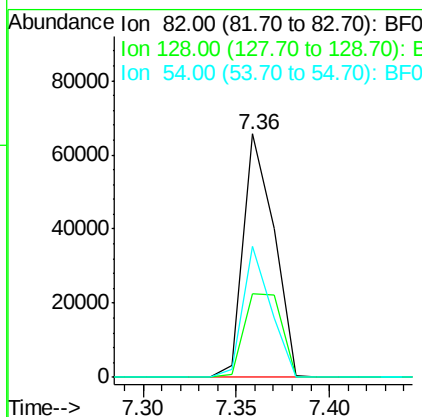
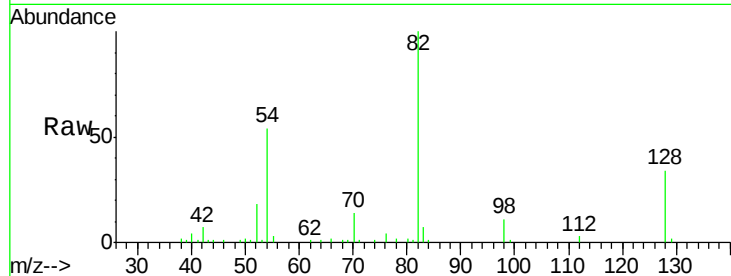




#23
 Nitrobenzene-d5
 Concen: 7.62 ng
 RT: 7.36 min Scan# 505
 Delta R.T. -0.02 min
 Lab File: BF088577.D
 Acq: 1 Jul 2016 16:18

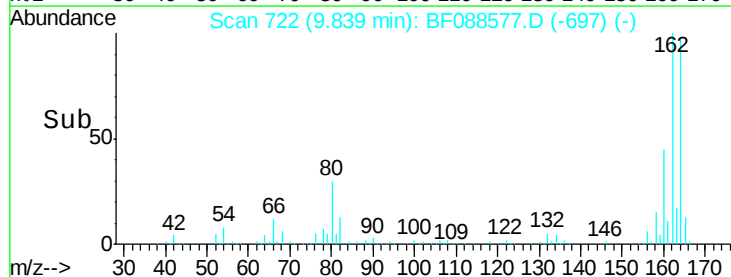
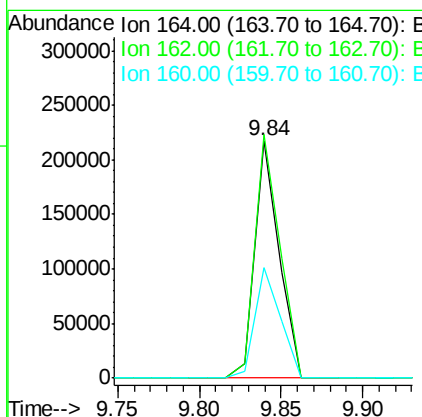
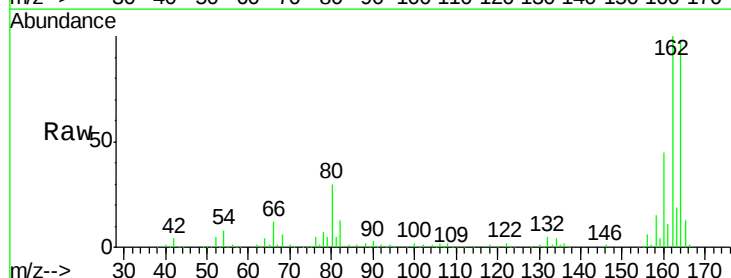
Instrument :
 BNA_F
 ClientSampleId :

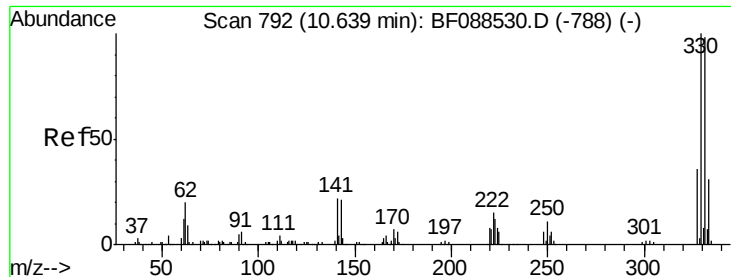
Tot Ion: 82 Resp: 75008
 Ion Ratio Lower Upper
 82 100
 128 34.2 35.9 53.9#
 54 53.6 40.9 61.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: BF088577.D
 Acq: 1 Jul 2016 16:18

Tgt Ion:164 Resp: 225403
 Ion Ratio Lower Upper
 164 100
 162 102.4 85.4 128.2
 160 46.4 39.5 59.3

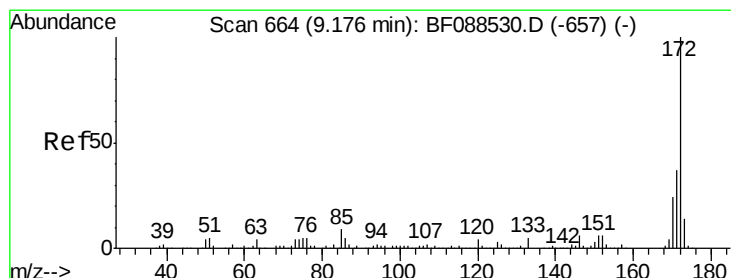
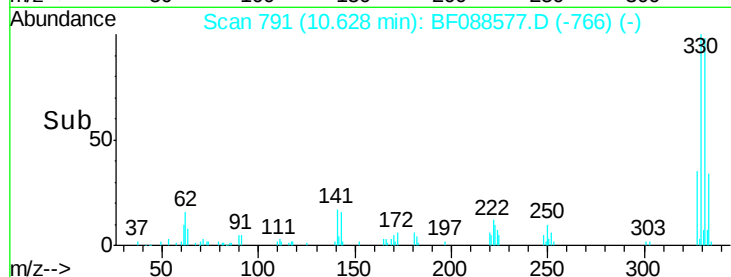
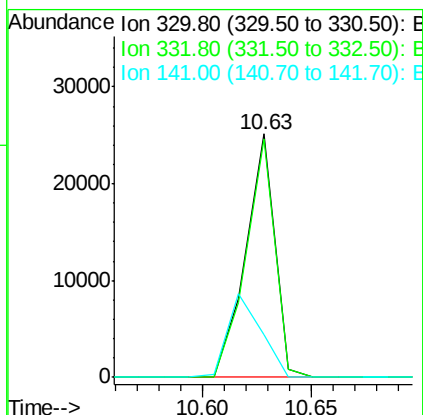
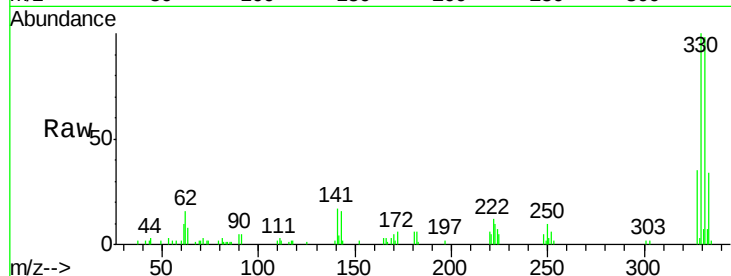




#41
 2,4,6-Tribromophenol
 Concen: 11.17 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF088577.D
 Acq: 1 Jul 2016 16:18

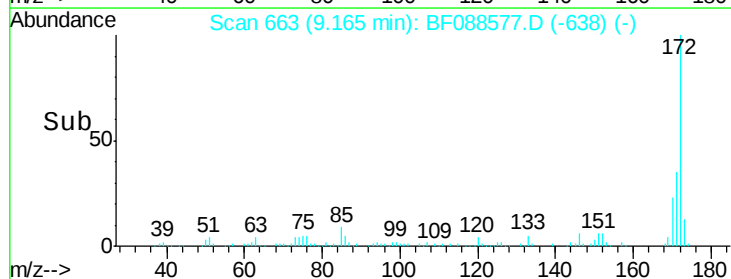
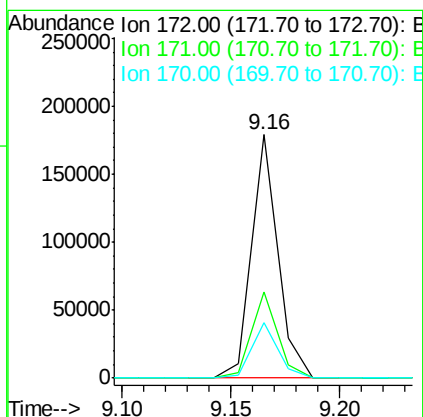
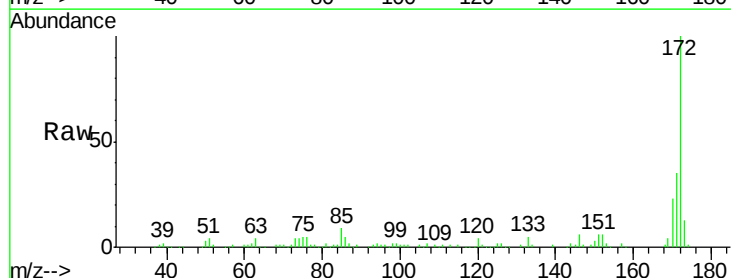
Instrument :
 BNA_F
 ClientSampleId :

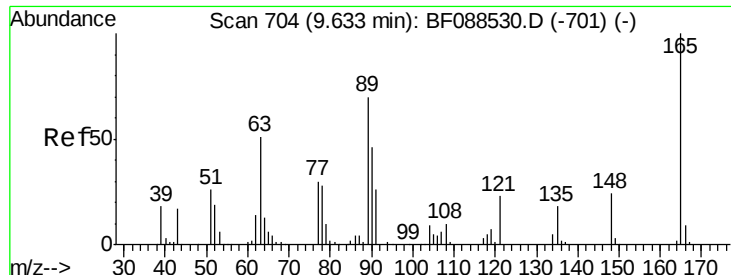
Tot Ion:330 Resp: 23378
 Ion Ratio Lower Upper
 330 100
 332 96.9 0.0 0.0#
 141 39.3 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 10.54 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF088577.D
 Acq: 1 Jul 2016 16:18

Tgt Ion:172 Resp: 150414
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 22.6 19.2 28.8

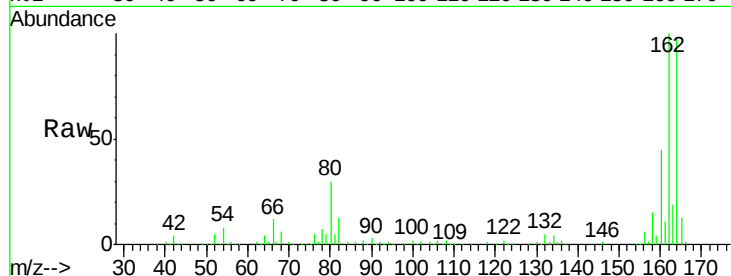




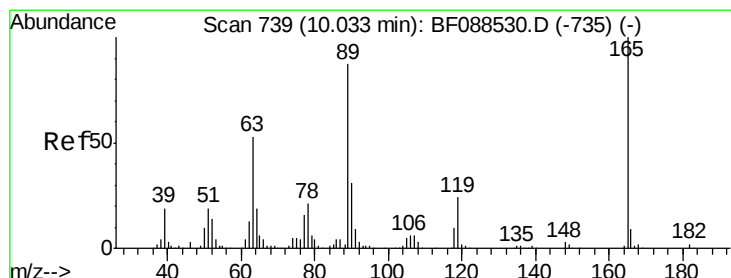
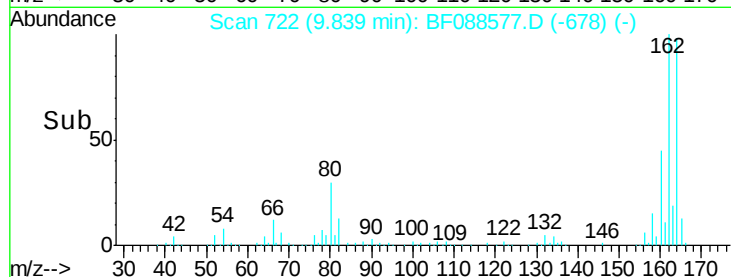
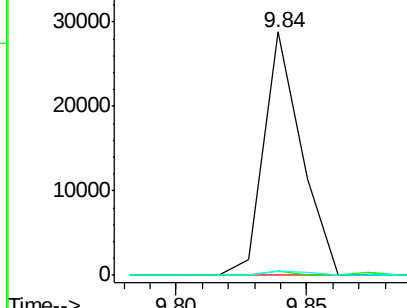
#50
 2,6-Dinitrotoluene
 Concen: 8.13 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.21 min
 Lab File: BF088577.D
 Acq: 1 Jul 2016 16:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	28.1	42.1#
89	1.7	32.2	48.2#



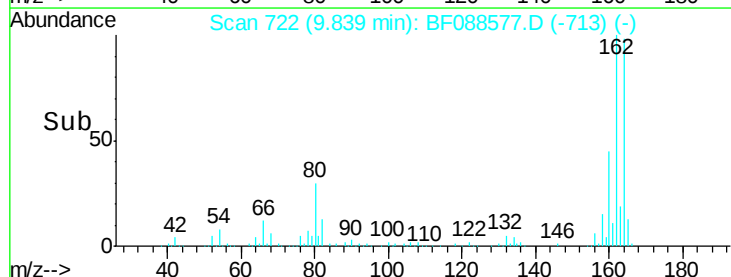
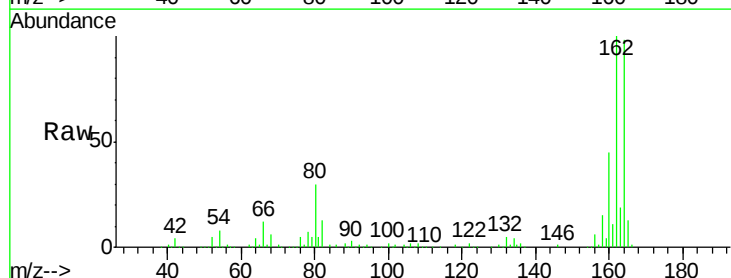
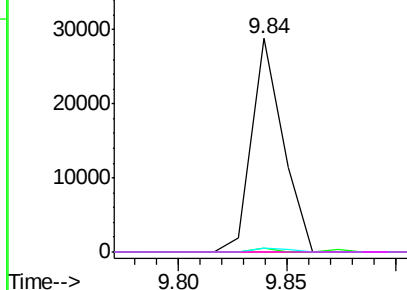
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

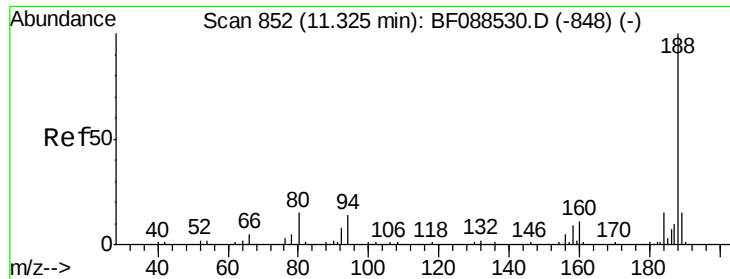


#56
 2,4-Dinitrotoluene
 Concen: 6.22 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.19 min
 Lab File: BF088577.D
 Acq: 1 Jul 2016 16:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	22.0	33.0#
89	1.7	41.1	61.7#
182	0.0	2.0	3.0#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

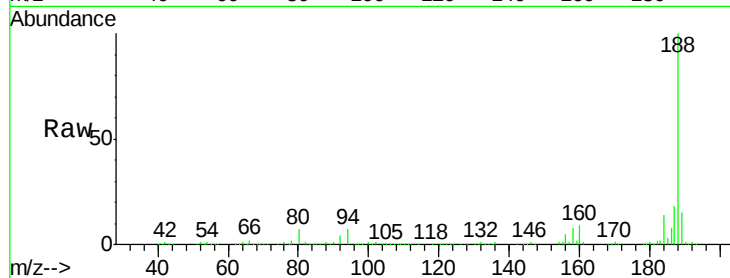




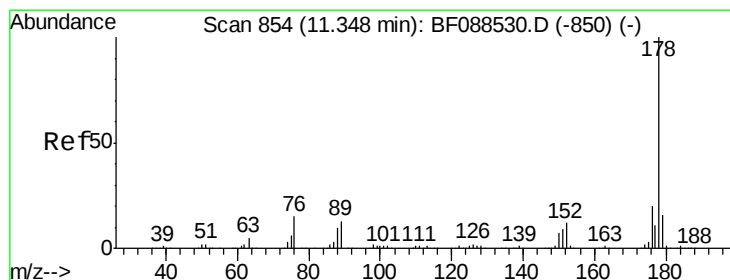
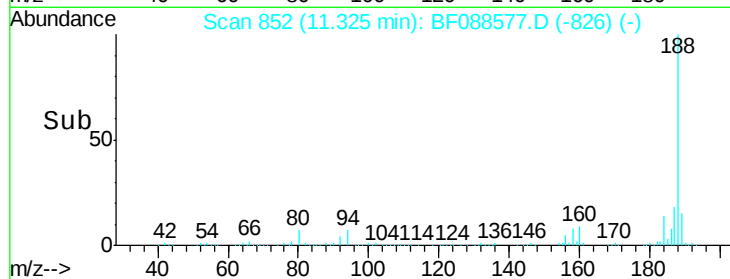
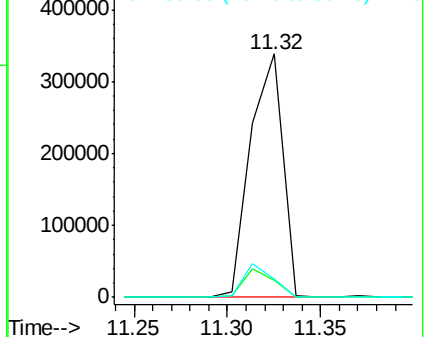
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.00 min
Lab File: BF088577.D
Acq: 1 Jul 2016 16:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 405264
Ion Ratio Lower Upper
188 100
94 7.0 9.0 13.6#
80 7.4 10.0 15.0#

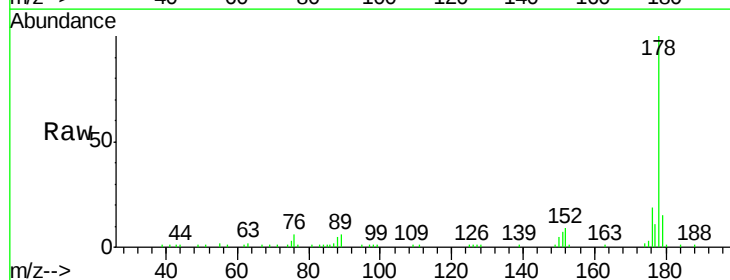


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

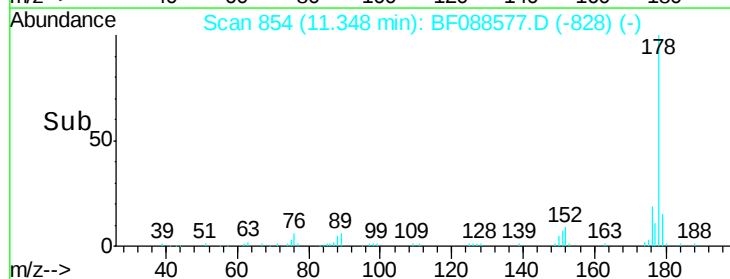
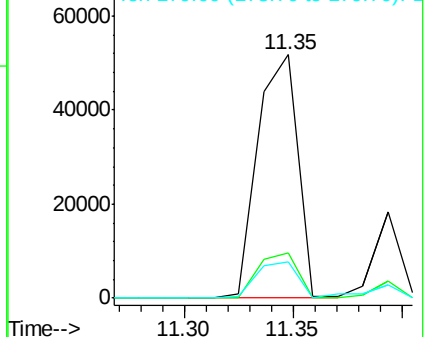


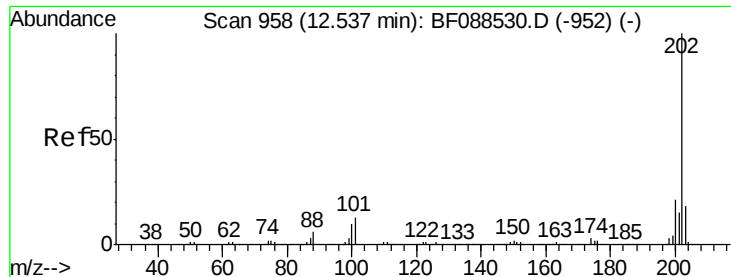
#70
Phenanthrene
Concen: 3.02 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF088577.D
Acq: 1 Jul 2016 16:18

Tgt Ion:178 Resp: 66878
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 14.9 13.0 19.4



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

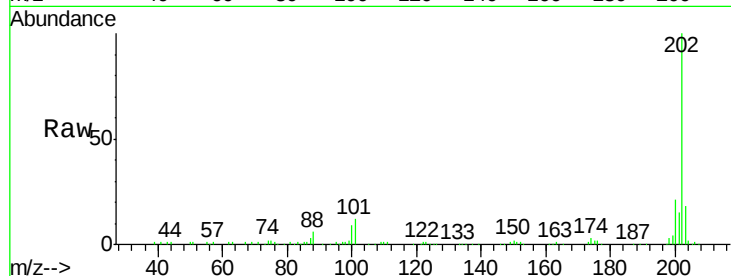




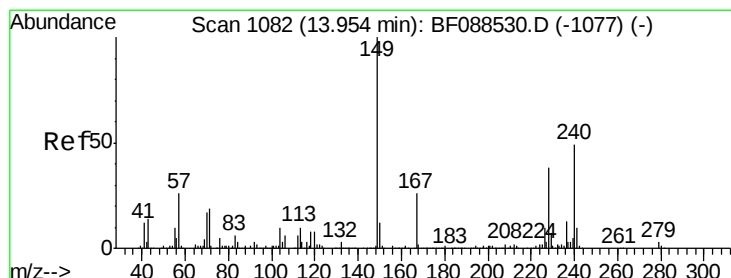
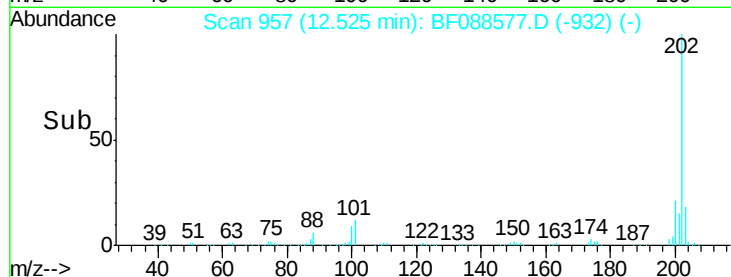
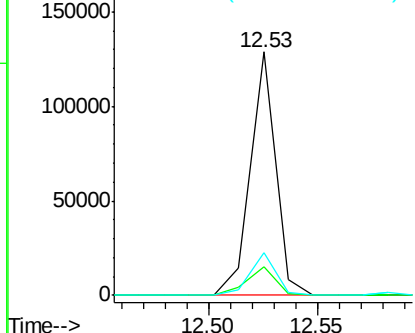
#74
 Fluoranthene
 Concen: 4.66 ng
 RT: 12.53 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: BF088577.D
 Acq: 1 Jul 2016 16:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.1
203	17.7	0.0	38.1

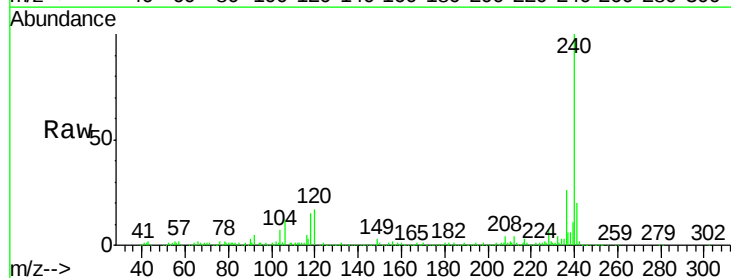


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

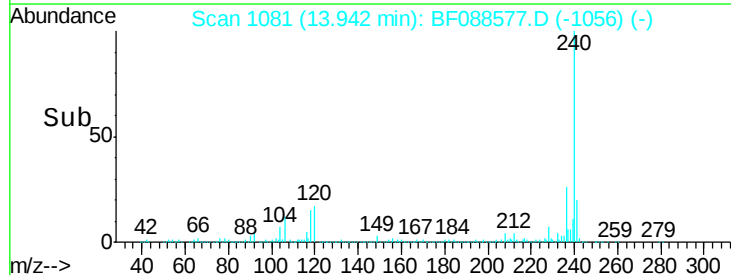
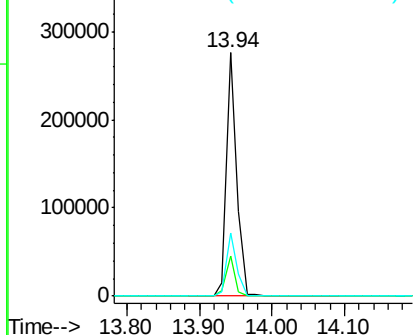


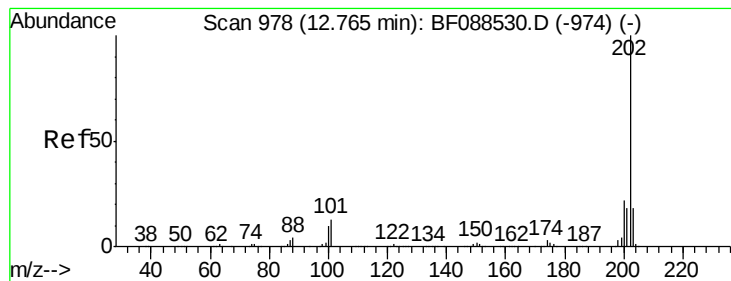
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: BF088577.D
 Acq: 1 Jul 2016 16:18

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.7	6.8	10.2#
236	26.2	20.2	30.2



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

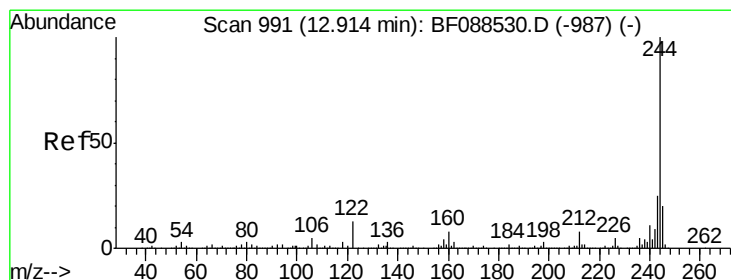
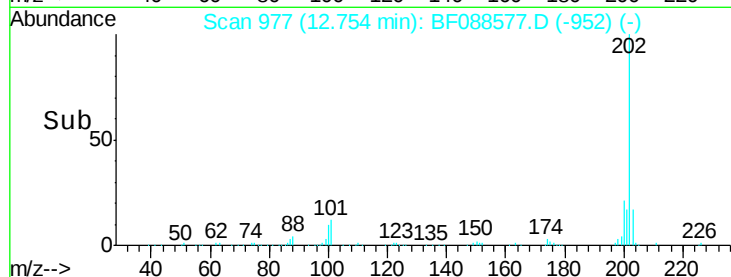
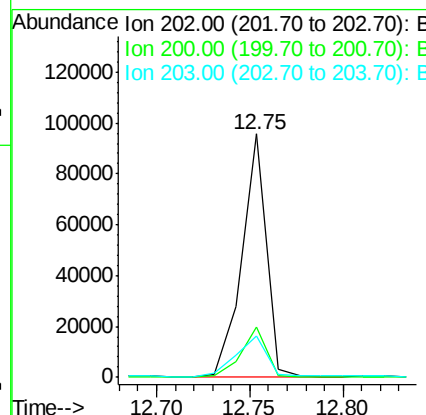
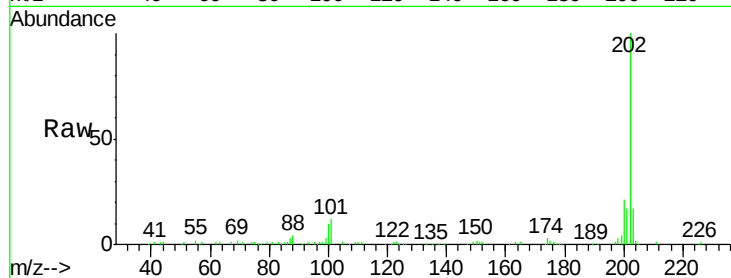




#77
Pvrene
Concen: 3.84 ng
RT: 12.75 min Scan# 977
Delta R.T. -0.01 min
Lab File: BF088577.D
Acq: 1 Jul 2016 16:18

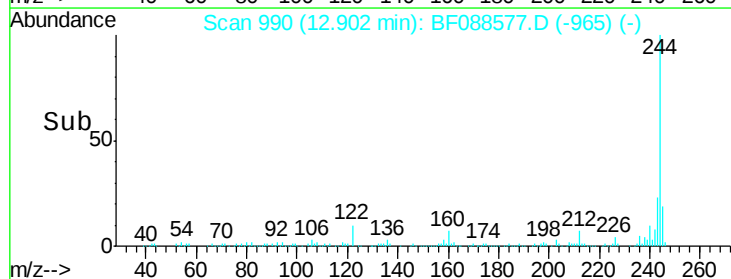
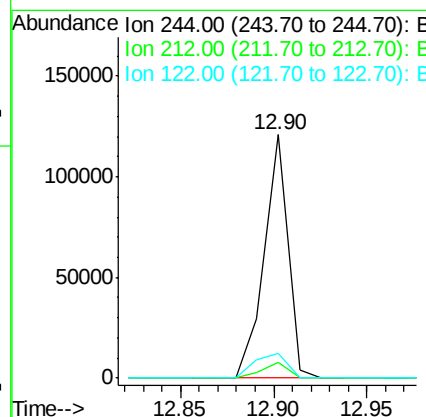
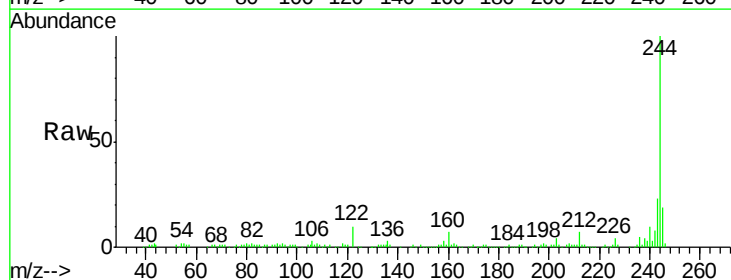
Instrument :
BNA_F
ClientSampleId :

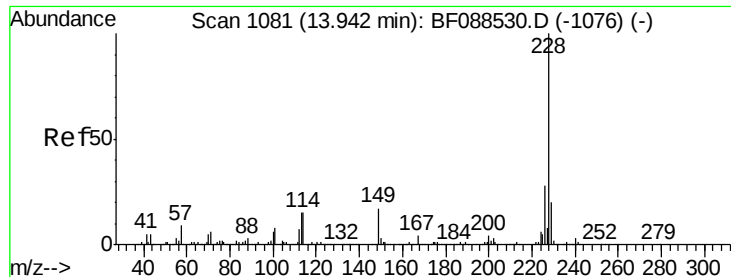
Tot Ion:202 Resp: 88620
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 17.1 14.5 21.7



#78
Terphenyl-d14
Concen: 8.70 ng
RT: 12.90 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF088577.D
Acq: 1 Jul 2016 16:18

Tgt Ion:244 Resp: 106246
Ion Ratio Lower Upper
244 100
212 6.6 6.0 9.0
122 10.4 11.2 16.8#





#80

Benzo(a)anthracene

Concen: 2.69 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF088577.D

Acq: 1 Jul 2016 16:18

Instrument :

BNA_F

ClientSampled :

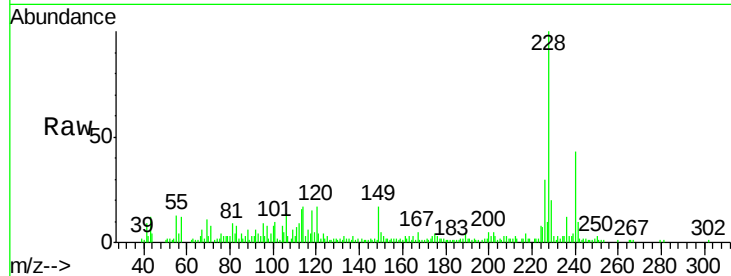
Tot Ion:228 Resp: 47111

Ion Ratio Lower Upper

228 100

226 30.1 22.3 33.5

229 20.4 16.0 24.0

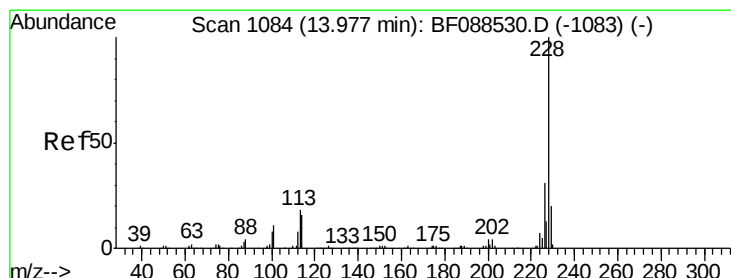
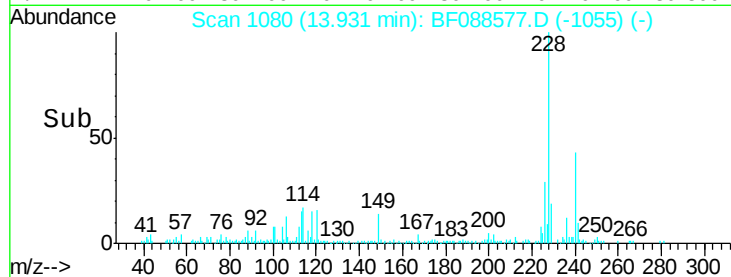
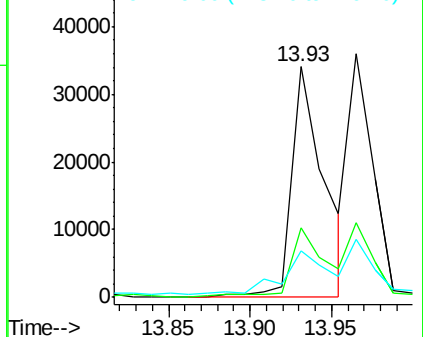


Abundance

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



#82

Chrysene

Concen: 2.72 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.05 min

Lab File: BF088577.D

Acq: 1 Jul 2016 16:18

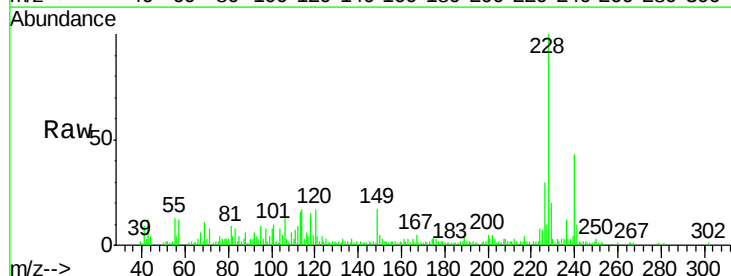
Tgt Ion:228 Resp: 47111

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.2

229 20.4 16.3 24.5

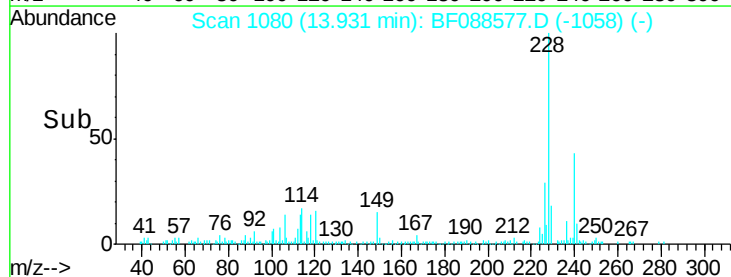
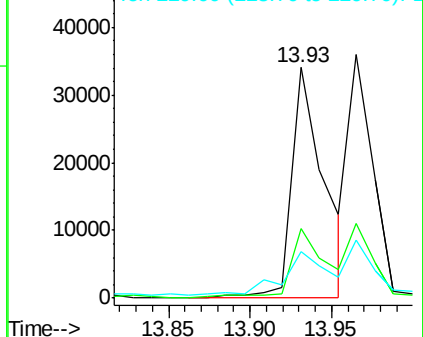


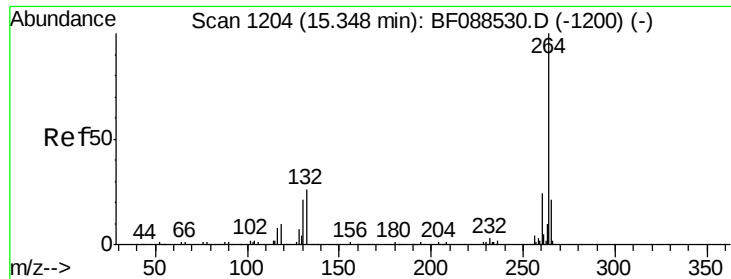
Abundance

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

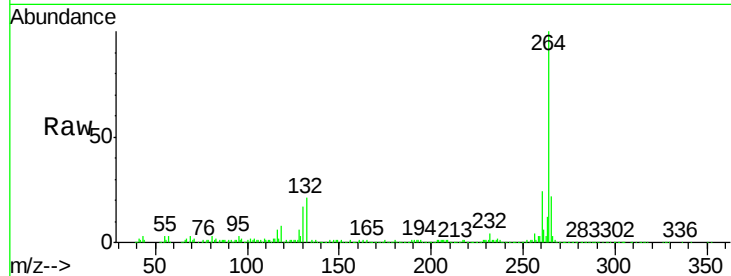




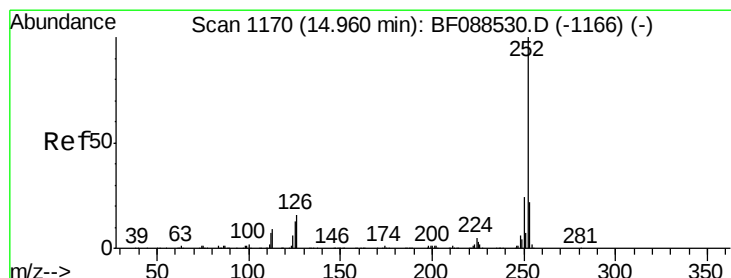
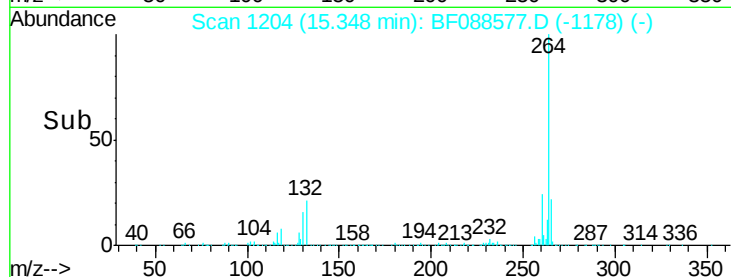
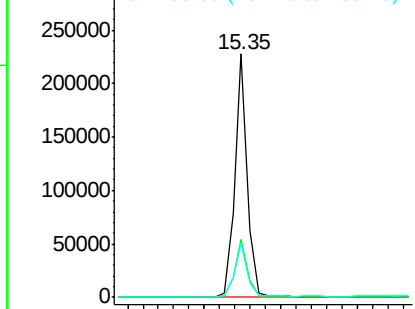
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF088577.D
Acq: 1 Jul 2016 16:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 260744
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 22.3 16.9 25.3

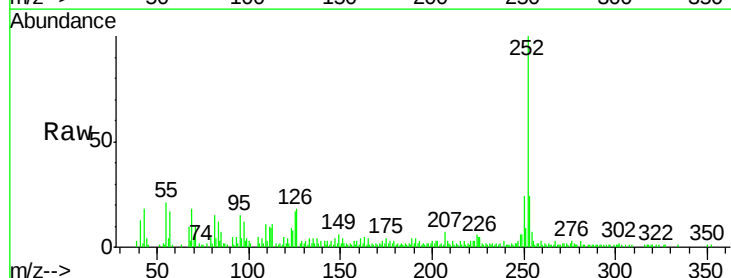


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

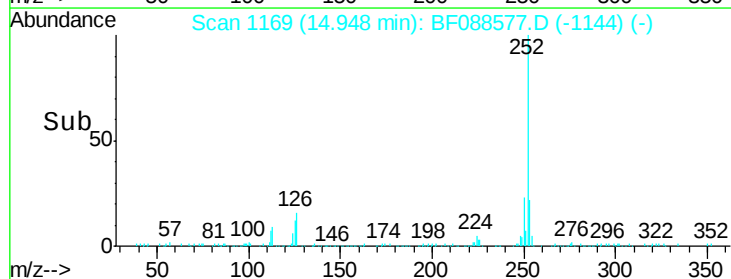
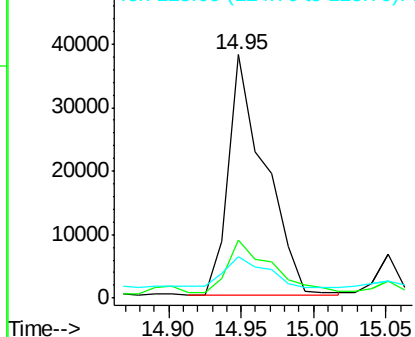


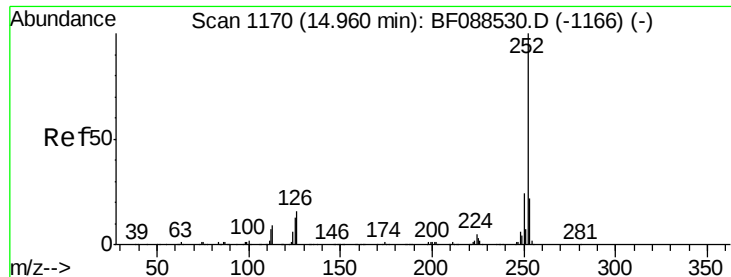
#87
Benzo(b)fluoranthene
Concen: 4.06 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088577.D
Acq: 1 Jul 2016 16:18

Tgt Ion:252 Resp: 66400
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 17.0 7.1 10.7#



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

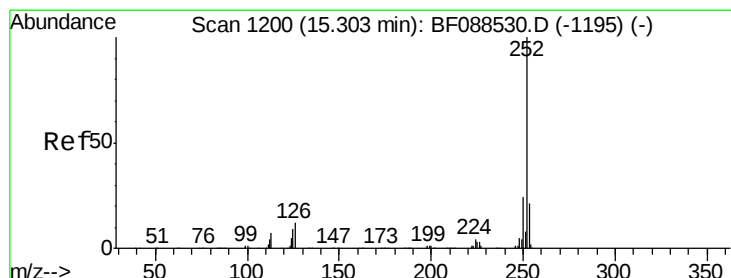
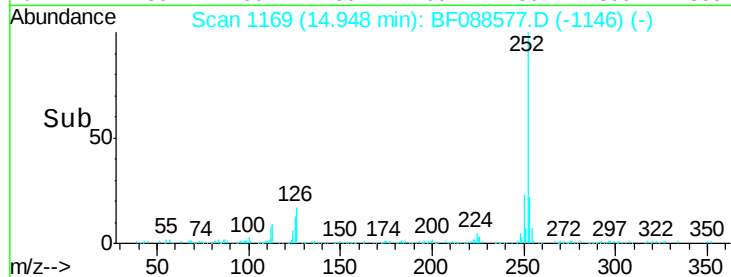
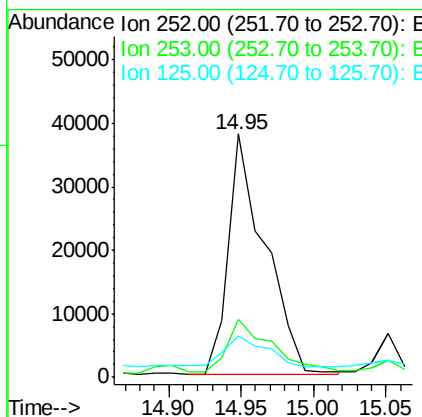
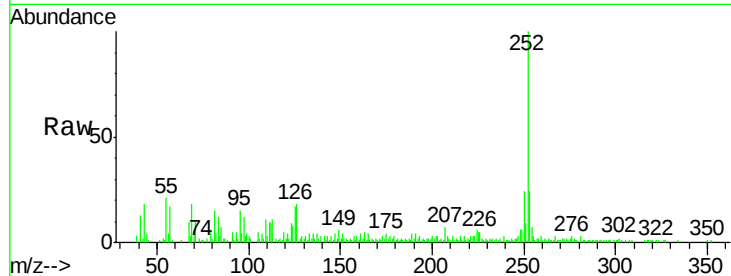




#88
Benzo(k)fluoranthene
Concen: 4.66 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.03 min
Lab File: BF088577.D
Acq: 1 Jul 2016 16:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 66400
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 17.0 11.2 16.8#



#89
Benzo(a)pyrene
Concen: 2.36 ng
RT: 15.29 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF088577.D
Acq: 1 Jul 2016 16:18

Tgt Ion:252 Resp: 32696
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 17.4 12.5 18.7

