

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070116\
 Data File : BF088571.D
 Acq On : 1 Jul 2016 13:23
 Operator : UM/SJ
 Sample : H3808-02 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 01 14:36:55 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

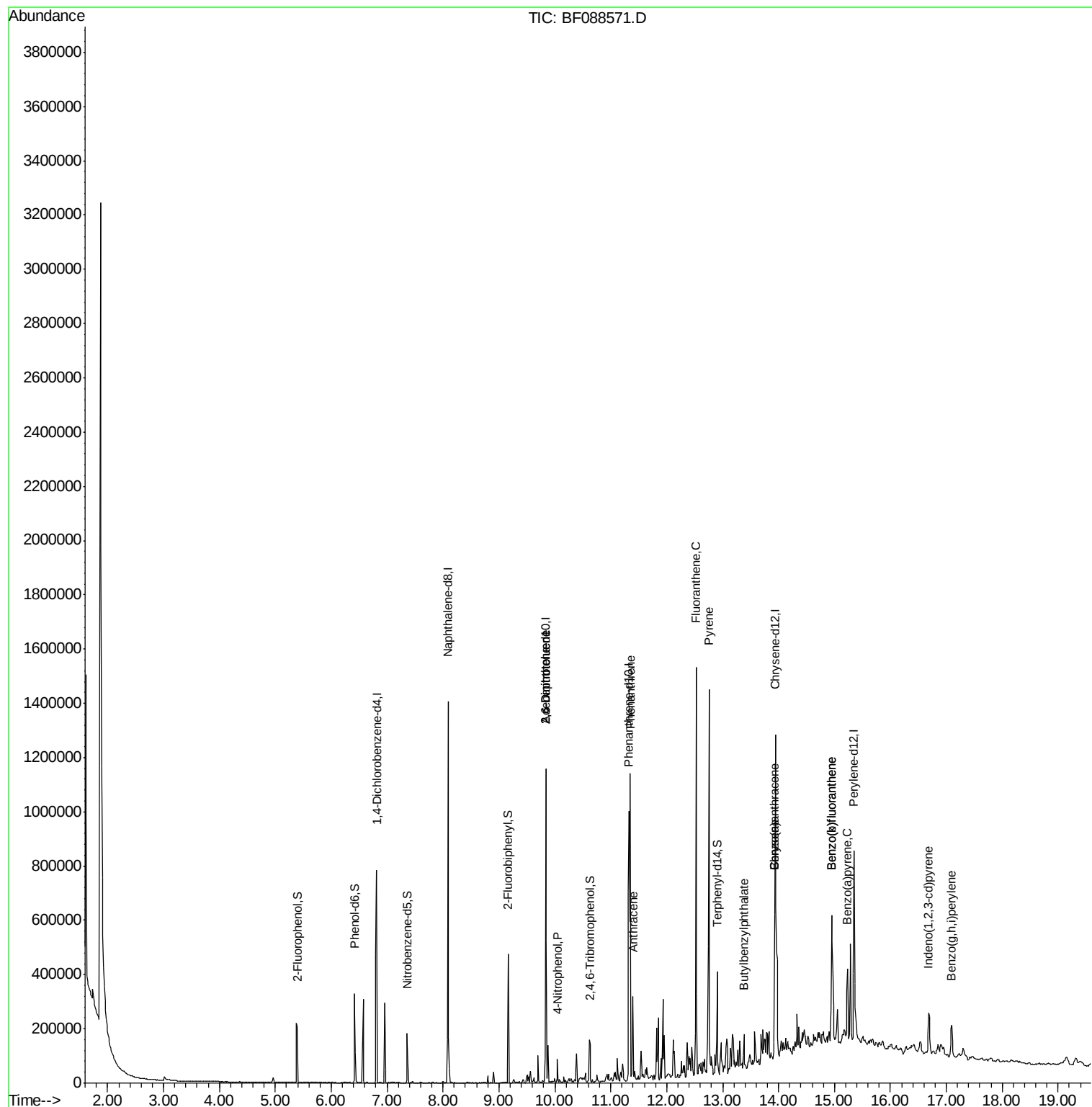
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	143942	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	567425	20.00	ng	-0.01
38) Acenaphthene-d10	9.84	164	244251	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	458614	20.00	ng	0.00
75) Chrysene-d12	13.94	240	278658	20.00	ng	-0.01
86) Perylene-d12	15.35	264	290665	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	88567	9.22	ng	-0.01
7) Phenol-d6	6.42	99	113608	9.15	ng	-0.02
23) Nitrobenzene-d5	7.36	82	64686	5.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.63	330	19806	8.73	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	129127	8.35	ng	-0.01
78) Terphenyl-d14	12.90	244	88111	7.04	ng	-0.01
Target Compounds						Qvalue
50) 2,6-Dinitrotoluene	9.84	165	31746	8.23	ng	# 40
55) 4-Nitrophenol	10.04	139	9486	2.55	ng	# 5
56) 2,4-Dinitrotoluene	9.84	165	31747	6.30	ng	# 38
70) Phenanthrene	11.35	178	493893	19.70	ng	98
71) Anthracene	11.39	178	108731	4.36	ng	97
74) Fluoranthene	12.53	202	548255	21.57	ng	96
77) Pyrene	12.75	202	534681	22.63	ng	99
79) Butylbenzylphthalate	13.38	149	23912	2.27	ng	96
80) Benzo(a)anthracene	13.93	228	252513	14.07	ng	97
82) Chrysene	13.93	228	252513	14.22	ng	98
85) Indeno(1,2,3-cd)pyrene	16.69	276	96296	7.05	ng	# 100
87) Benzo(b)fluoranthene	14.95	252	335891	18.42	ng	# 93
88) Benzo(k)fluoranthene	14.95	252	335891	21.16	ng	98
89) Benzo(a)pyrene	15.23	252	125504	8.13	ng	97
91) Benzo(a,h,i)perylene	17.10	276	89099	6.68	ng	96

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

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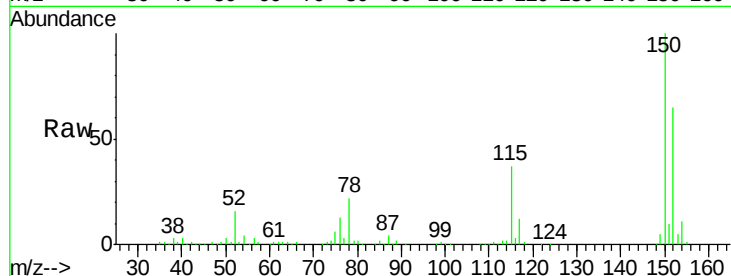


#1

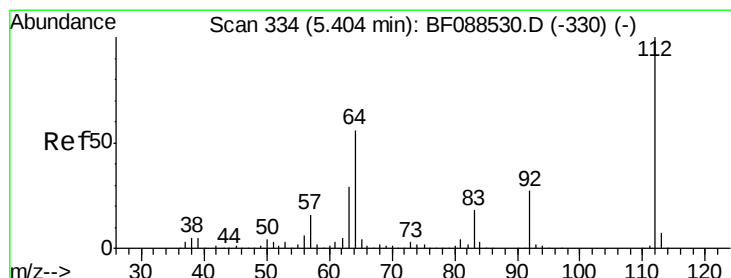
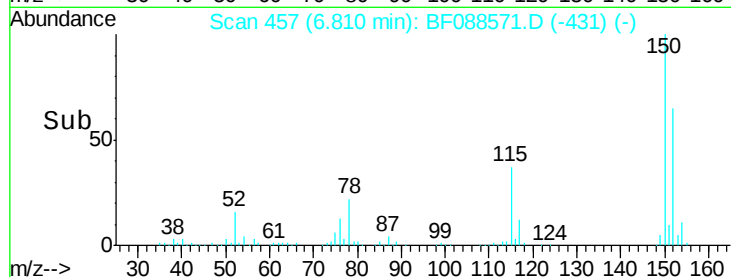
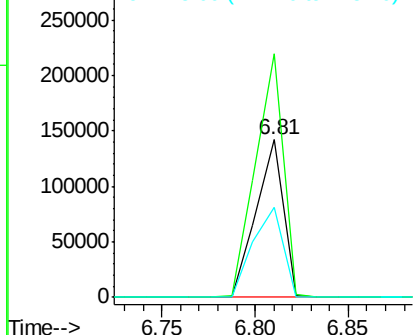
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF088571.D
Acq: 1 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143942
Ion Ratio Lower Upper
152 100
150 154.4 123.8 185.6
115 57.0 39.6 59.4



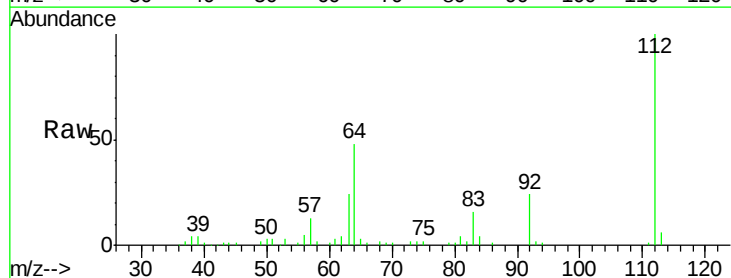
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



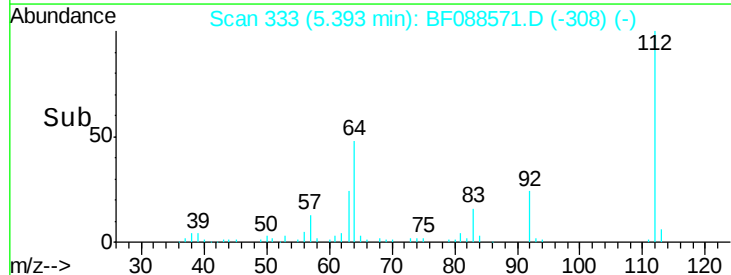
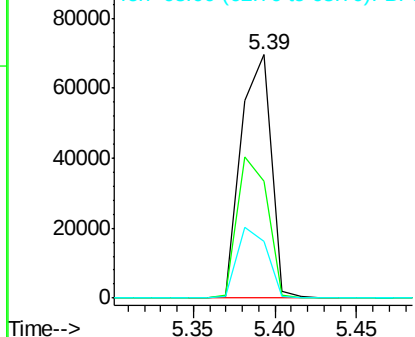
#5

2-Fluorophenol
Concen: 9.22 ng
RT: 5.39 min Scan# 333
Delta R.T. -0.01 min
Lab File: BF088571.D
Acq: 1 Jul 2016 13:23

Tgt Ion:112 Resp: 88567
Ion Ratio Lower Upper
112 100
64 48.1 42.2 63.2
63 23.5 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: 9.15 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088571.D

Acq: 1 Jul 2016 13:23

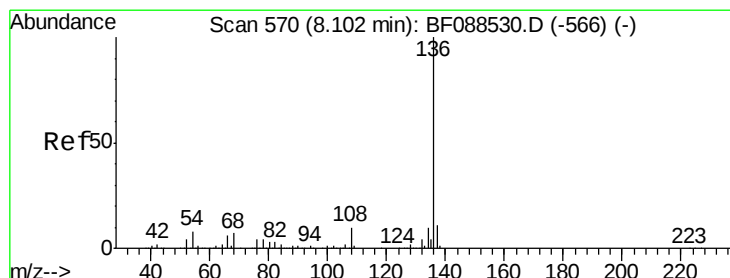
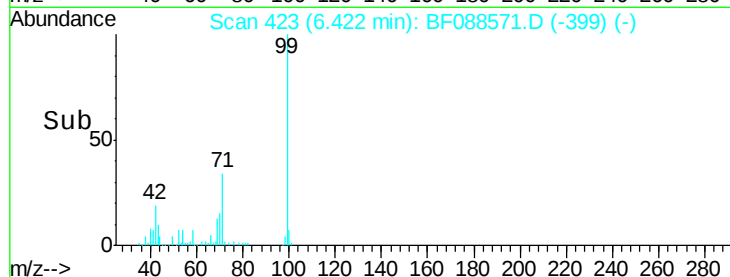
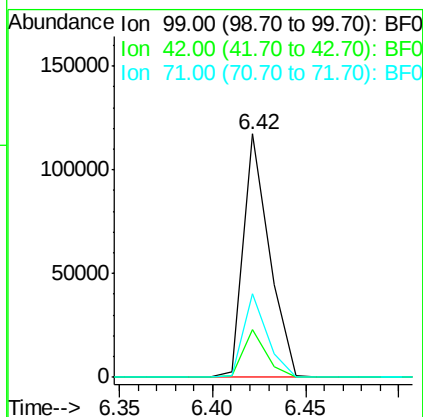
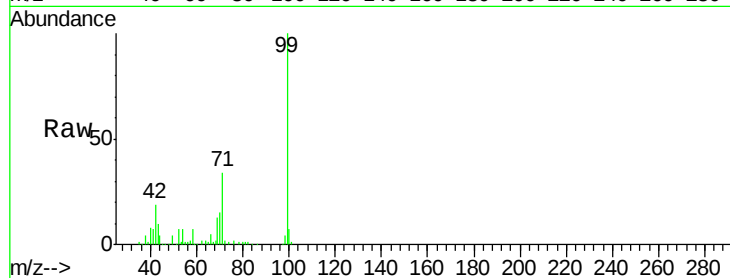
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 113608

Ion	Ratio	Lower	Upper
99	100		
42	19.4	12.2	18.2#
71	34.2	23.4	35.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 569

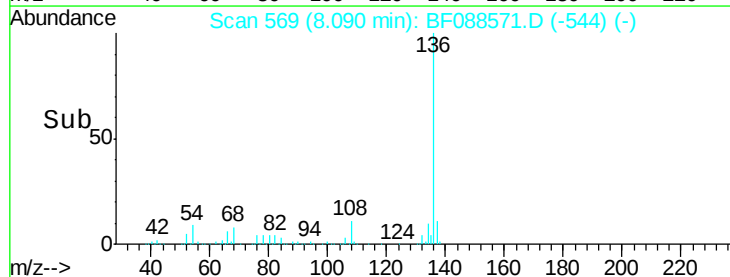
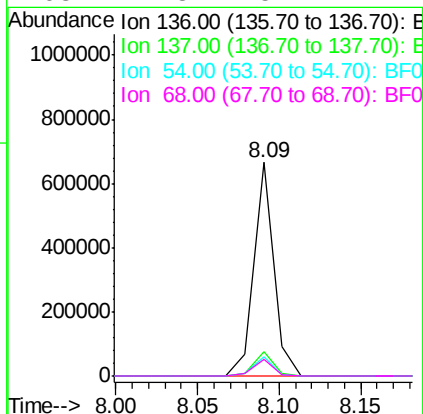
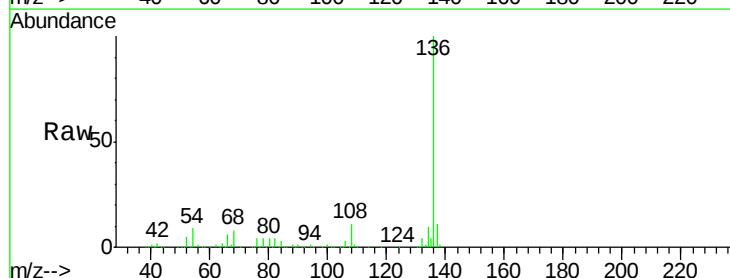
Delta R.T. -0.01 min

Lab File: BF088571.D

Acq: 1 Jul 2016 13:23

Tgt Ion: 136 Resp: 567425

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	9.0	6.6	10.0
68	7.8	5.1	7.7#

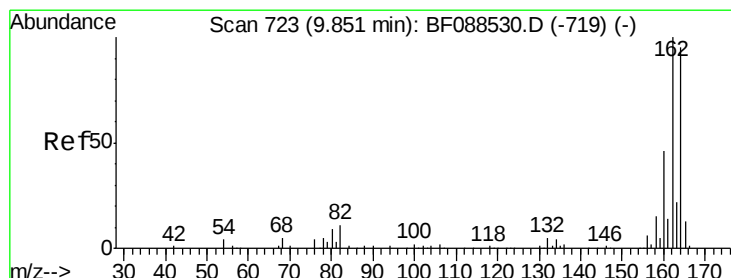
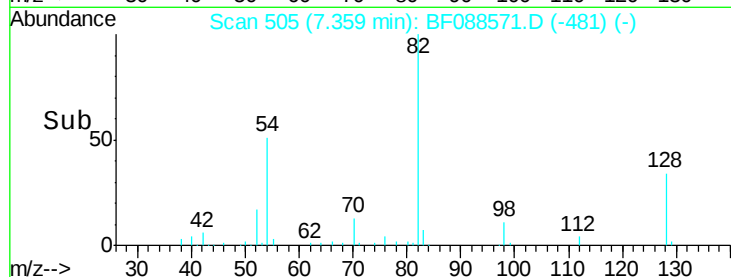
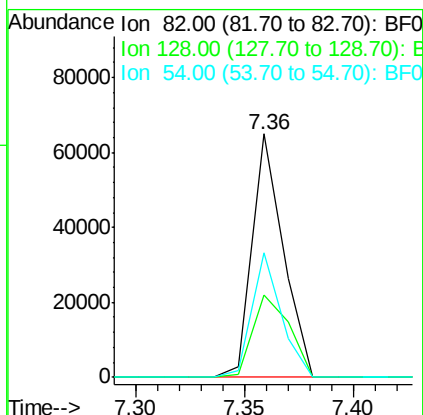
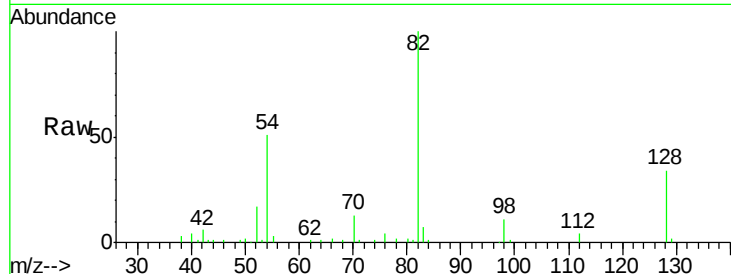




#23
Nitrobenzene-d5
Concen: 5.97 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.02 min
Lab File: BF088571.D
Acq: 1 Jul 2016 13:23

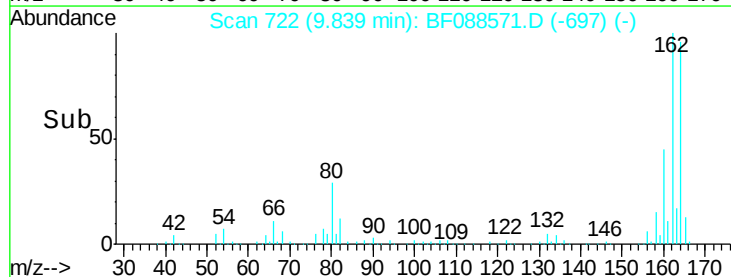
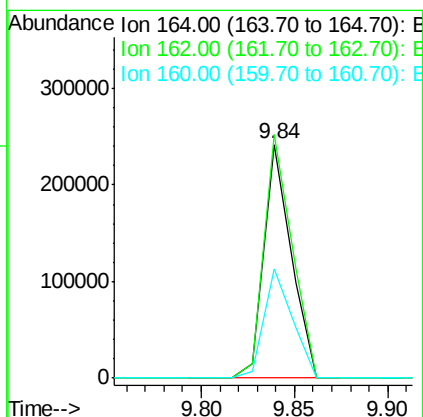
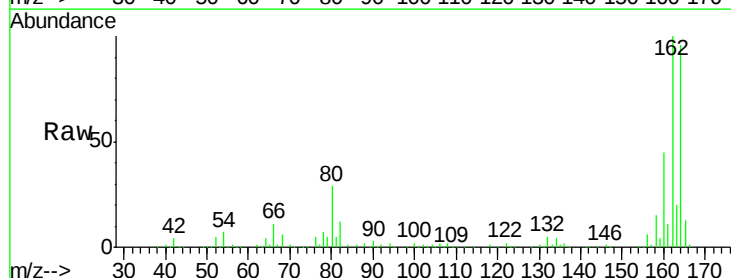
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 64686
Ion Ratio Lower Upper
82 100
128 33.7 35.9 53.9#
54 51.1 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: BF088571.D
Acq: 1 Jul 2016 13:23

Tgt Ion:164 Resp: 244251
Ion Ratio Lower Upper
164 100
162 104.3 85.4 128.2
160 46.8 39.5 59.3

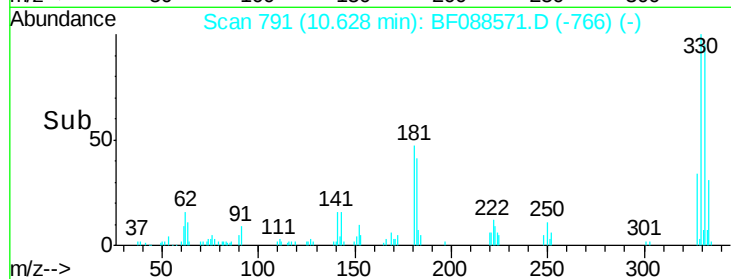
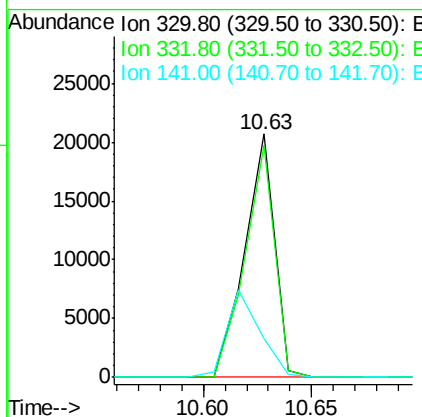
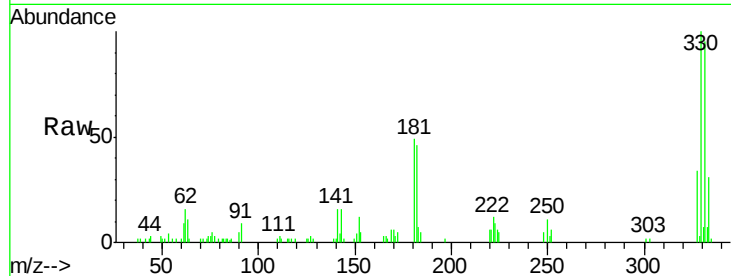




#41
 2,4,6-Tribromophenol
 Concen: 8.73 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.01 min
 Lab File: BF088571.D
 Acq: 1 Jul 2016 13:23

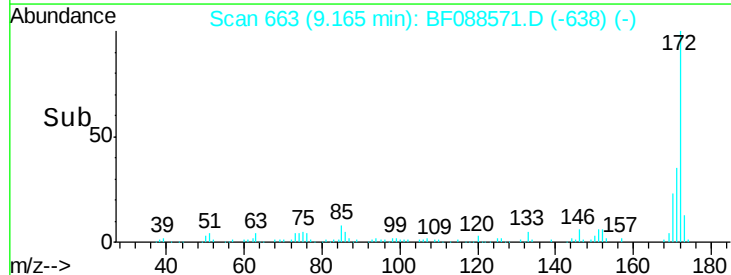
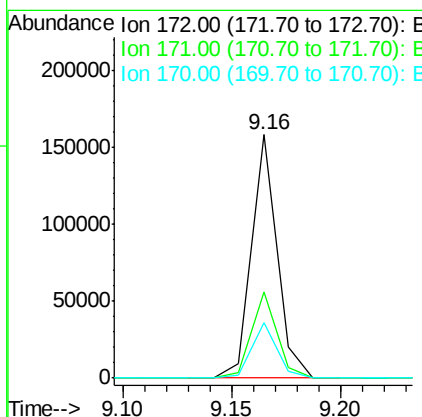
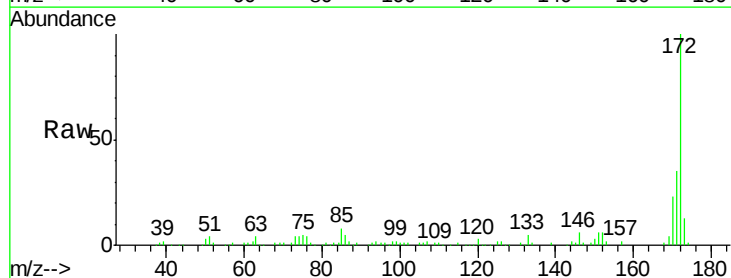
Instrument :
 BNA_F
 ClientSampled :

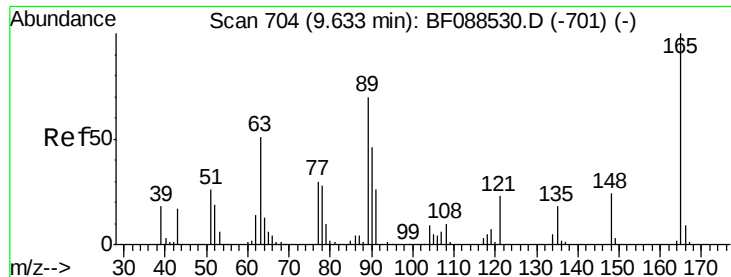
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	0.0	0.0#
141	39.6	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 8.35 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: BF088571.D
 Acq: 1 Jul 2016 13:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	22.8	19.2	28.8

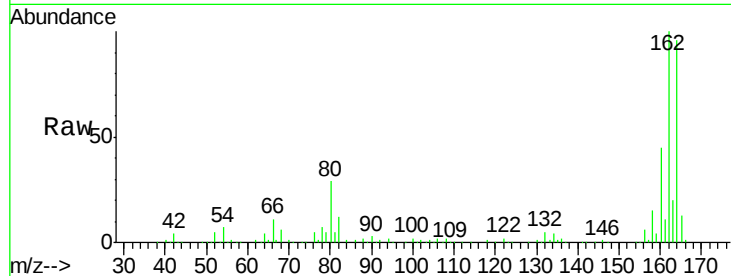




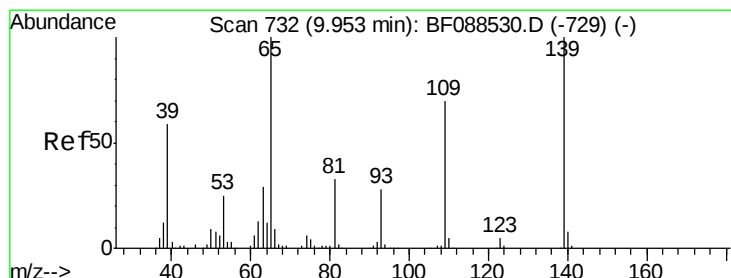
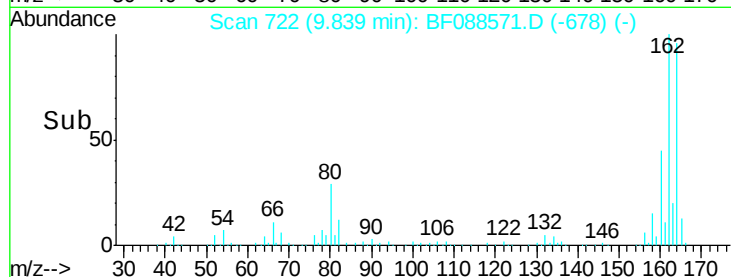
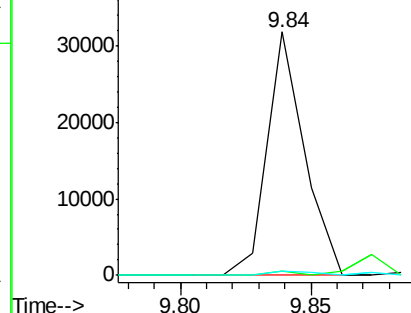
#50
 2,6-Dinitrotoluene
 Concen: 8.23 ng
 RT: 9.84 min Scan# 722
 Delta R.T. 0.21 min
 Lab File: BF088571.D
 Acq: 1 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 31746
 Ion Ratio Lower Upper
 165 100
 63 1.6 28.1 42.1#
 89 1.6 32.2 48.2#

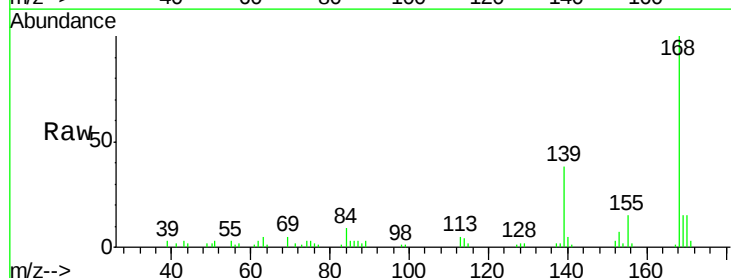


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

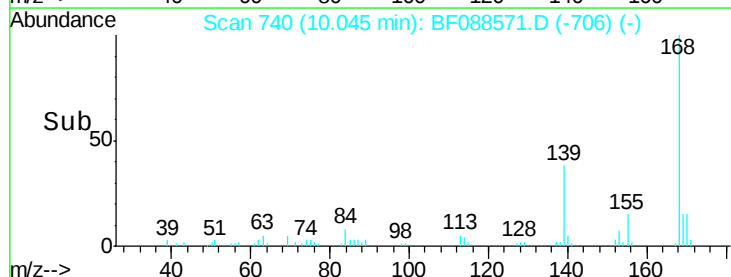
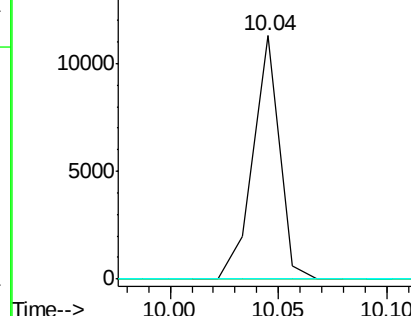


#55
 4-Nitrophenol
 Concen: 2.55 ng
 RT: 10.04 min Scan# 740
 Delta R.T. 0.09 min
 Lab File: BF088571.D
 Acq: 1 Jul 2016 13:23

Tgt Ion:139 Resp: 9486
 Ion Ratio Lower Upper
 139 100
 109 0.0 48.9 88.9#
 65 0.0 84.9 124.9#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

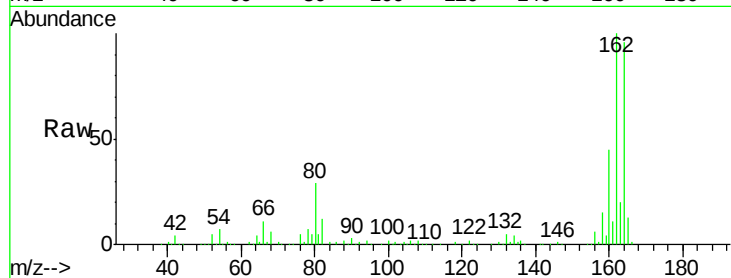




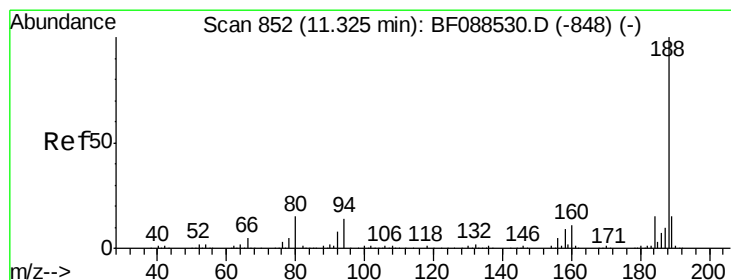
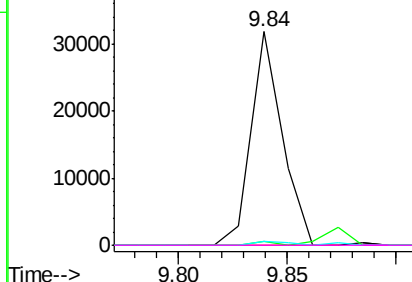
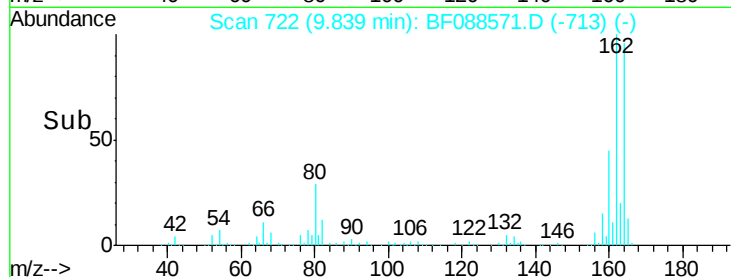
#56
 2,4-Dinitrotoluene
 Concen: 6.30 ng
 RT: 9.84 min Scan# 722
 Delta R.T. -0.19 min
 Lab File: BF088571.D
 Acq: 1 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 31747
 Ion Ratio Lower Upper
 165 100
 63 1.6 22.0 33.0#
 89 1.6 41.1 61.7#
 182 0.0 2.0 3.0#

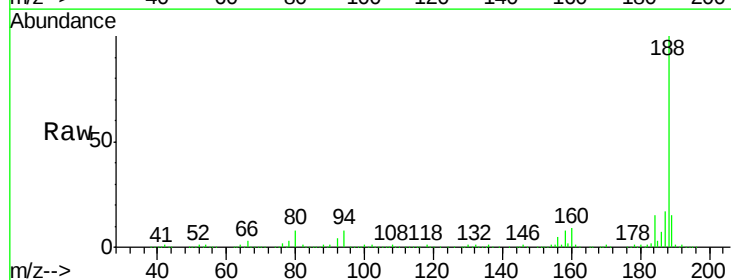


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

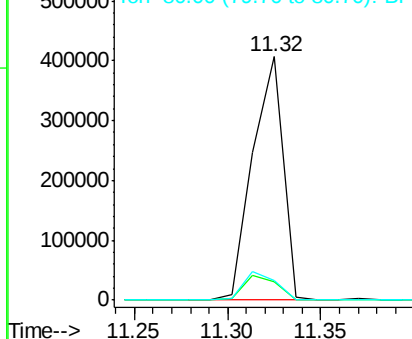
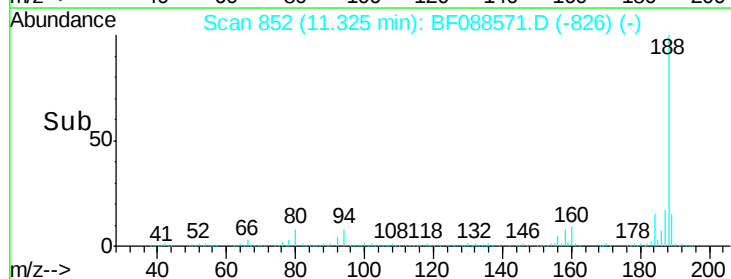


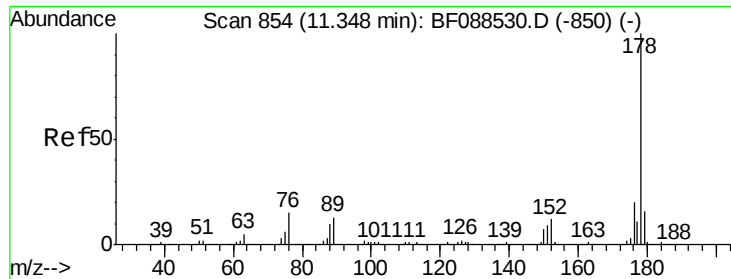
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: BF088571.D
 Acq: 1 Jul 2016 13:23

Tgt Ion:188 Resp: 458614
 Ion Ratio Lower Upper
 188 100
 94 7.7 9.0 13.6#
 80 8.0 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

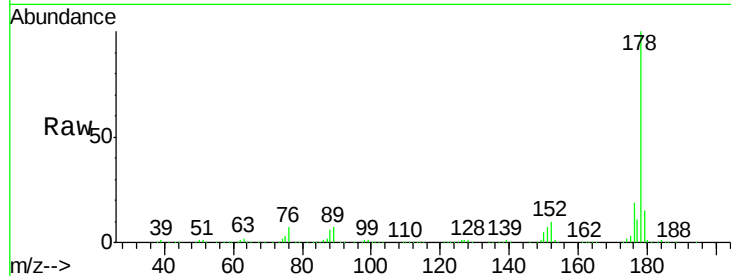




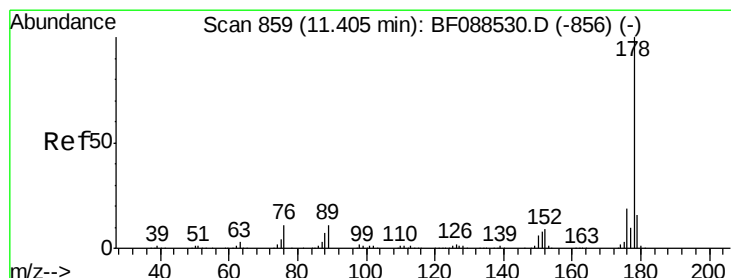
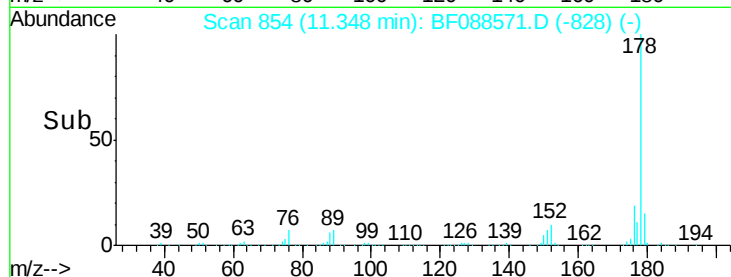
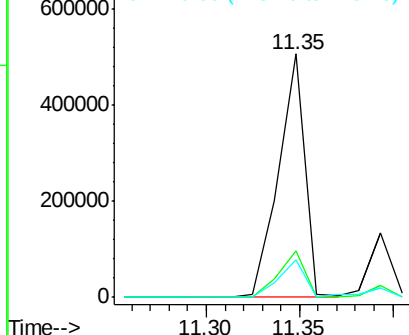
#70
Phenanthrene
Concen: 19.70 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF088571.D
Acq: 1 Jul 2016 13:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 493893
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.2 13.0 19.4

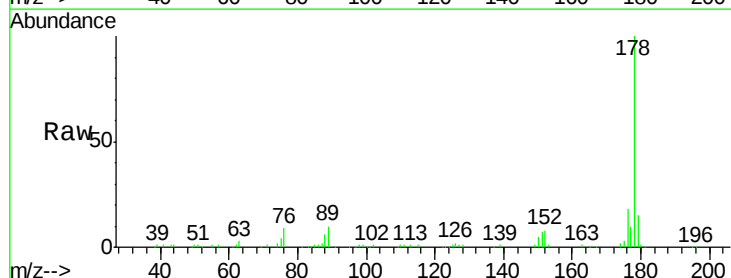


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

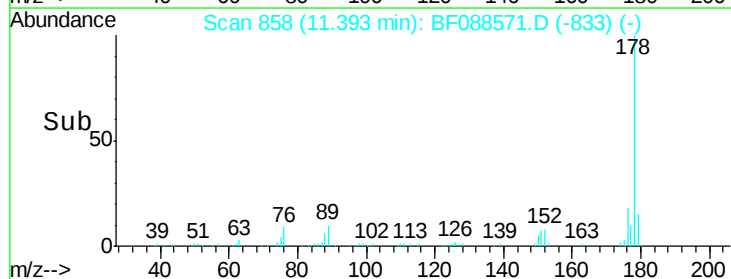
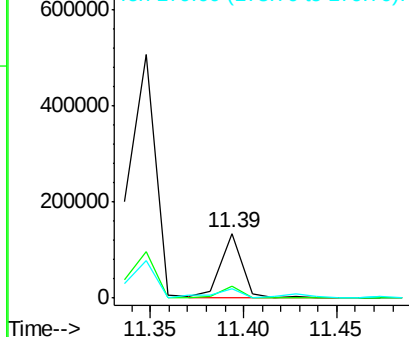


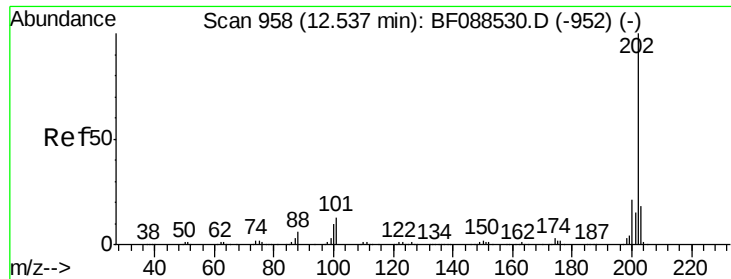
#71
Anthracene
Concen: 4.36 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF088571.D
Acq: 1 Jul 2016 13:23

Tgt Ion:178 Resp: 108731
Ion Ratio Lower Upper
178 100
176 18.0 15.6 23.4
179 15.1 12.8 19.2



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: 21.57 ng

RT: 12.53 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF088571.D

Acq: 1 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

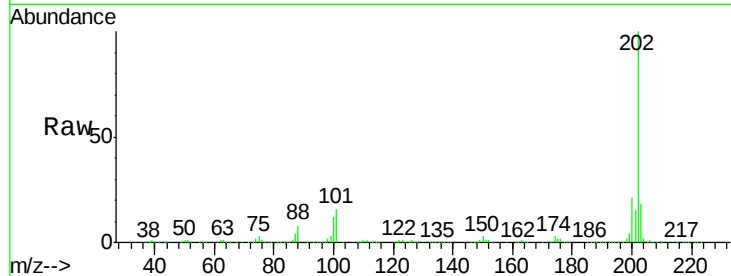
Tot Ion:202 Resp: 548255

Ion Ratio Lower Upper

202 100

101 16.3 0.0 33.1

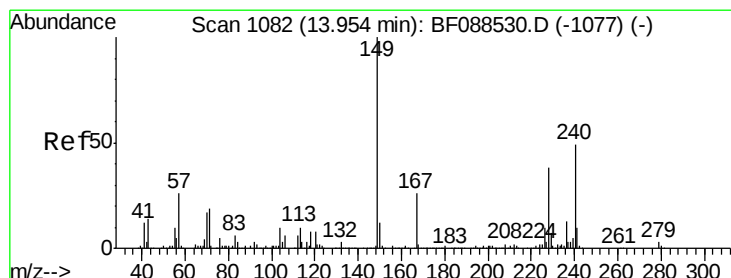
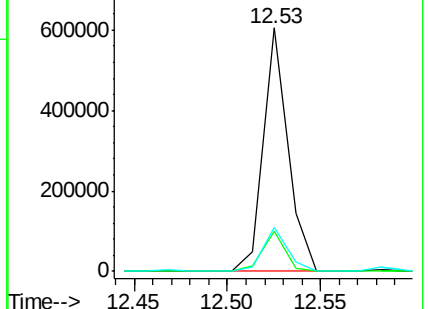
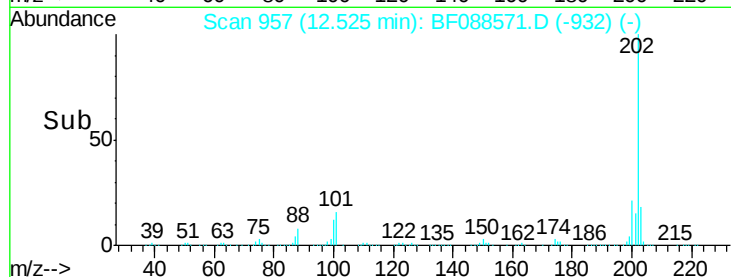
203 17.9 0.0 38.1



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: BF088571.D

Acq: 1 Jul 2016 13:23

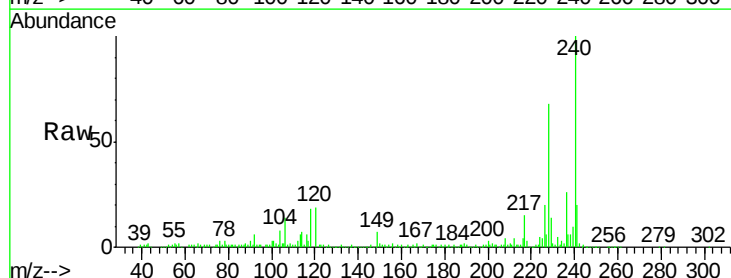
Tgt Ion:240 Resp: 278658

Ion Ratio Lower Upper

240 100

120 19.3 6.8 10.2#

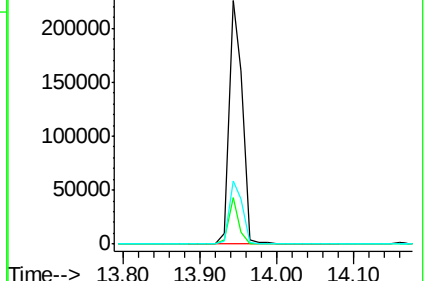
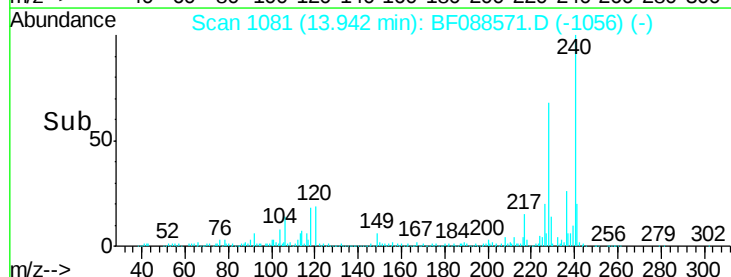
236 25.8 20.2 30.2

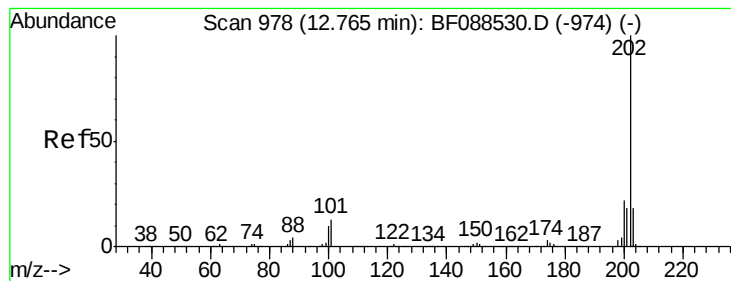


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 22.63 ng

RT: 12.75 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF088571.D

Acq: 1 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

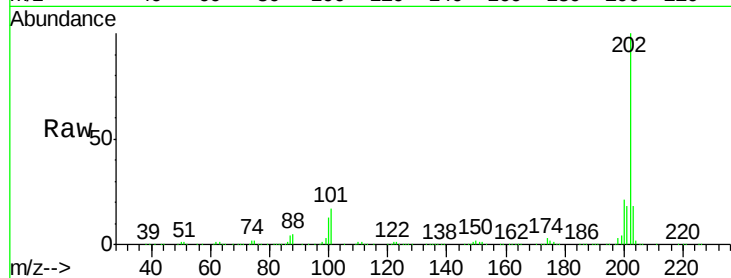
Tot Ion:202 Resp: 534681

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

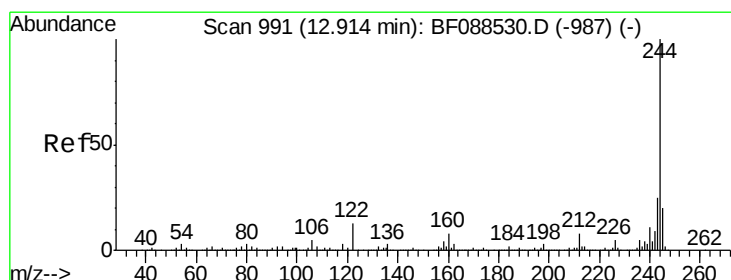
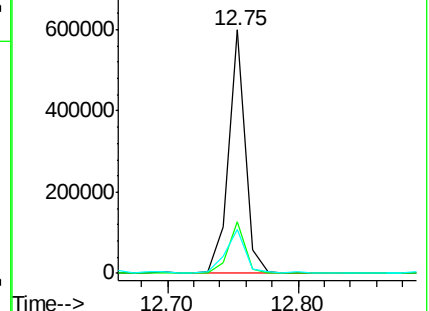
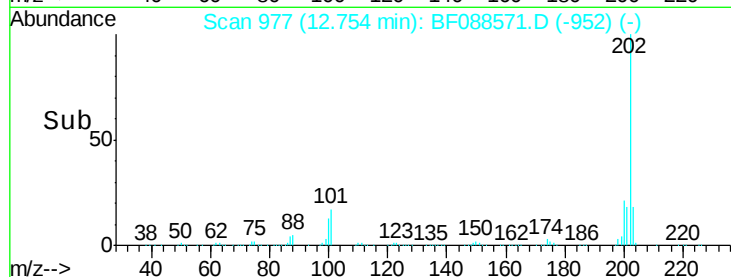
203 18.2 14.5 21.7



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: 7.04 ng

RT: 12.90 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF088571.D

Acq: 1 Jul 2016 13:23

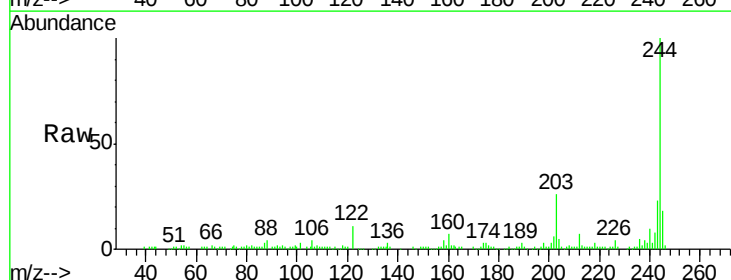
Tgt Ion:244 Resp: 88111

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

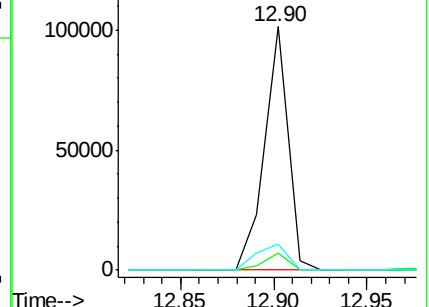
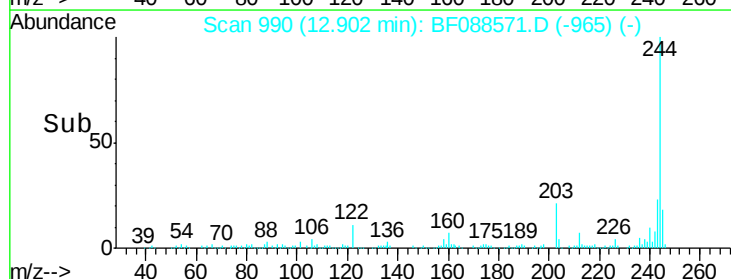
122 10.5 11.2 16.8#

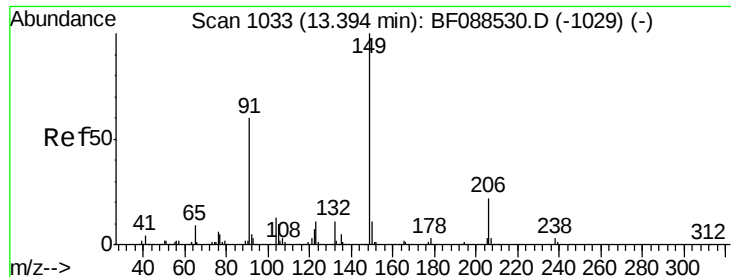


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 2.27 ng

RT: 13.38 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF088571.D

Acq: 1 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

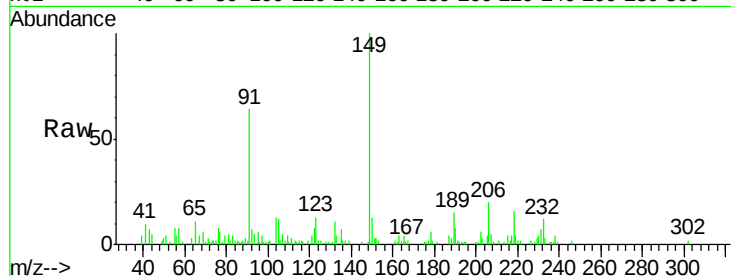
Tot Ion:149 Resp: 23912

Ion Ratio Lower Upper

149 100

91 63.8 48.0 72.0

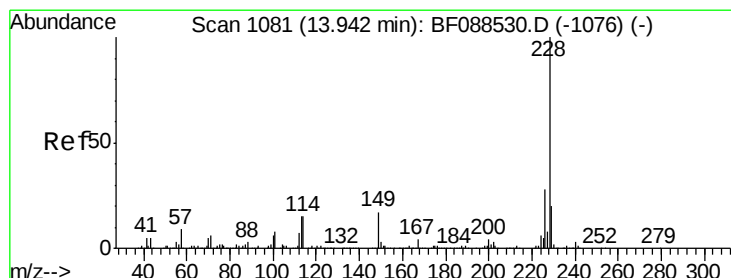
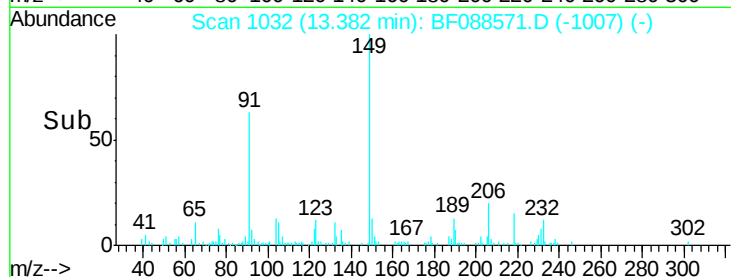
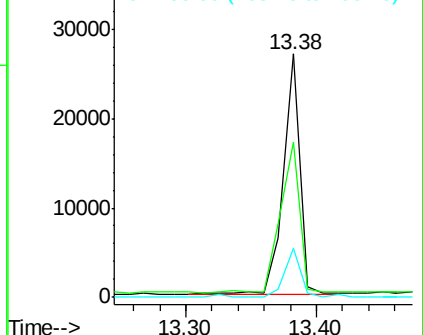
206 19.9 16.0 24.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 14.07 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.01 min

Lab File: BF088571.D

Acq: 1 Jul 2016 13:23

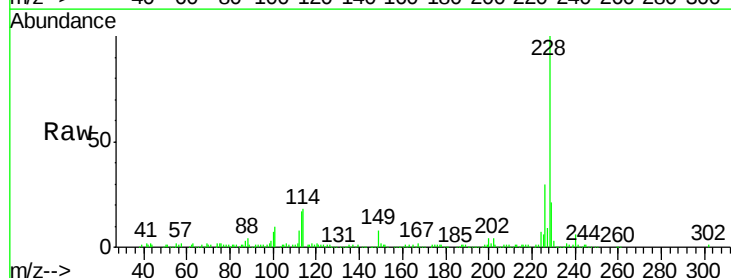
Tgt Ion:228 Resp: 252513

Ion Ratio Lower Upper

228 100

226 29.9 22.3 33.5

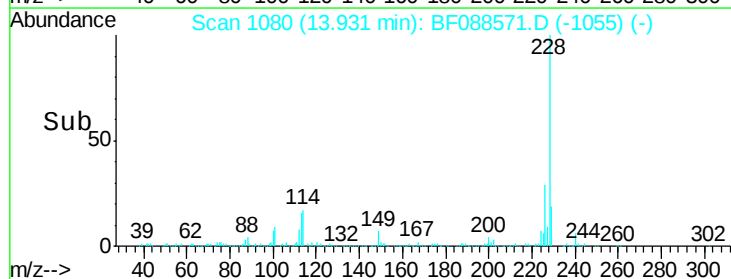
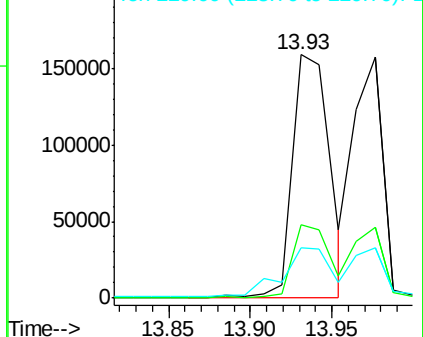
229 20.6 16.0 24.0

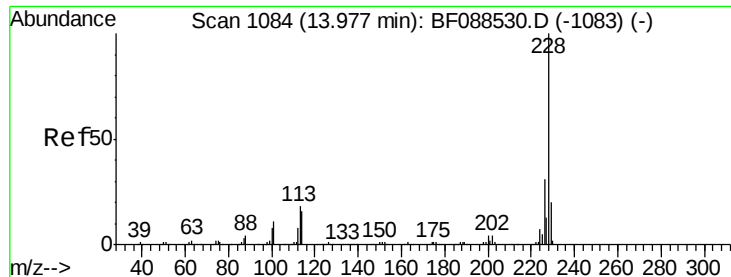


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 14.22 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.05 min

Lab File: BF088571.D

Acq: 1 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

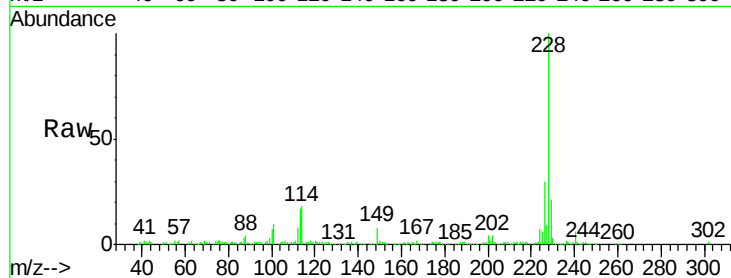
Tot Ion:228 Resp: 252513

Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.2

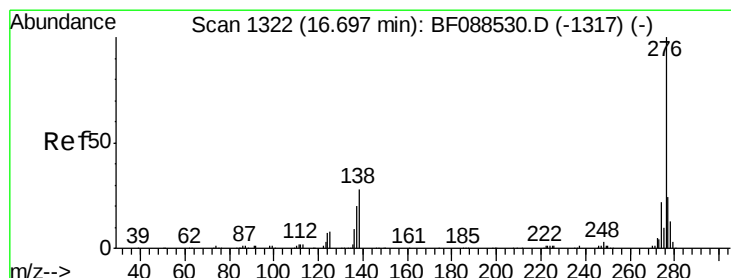
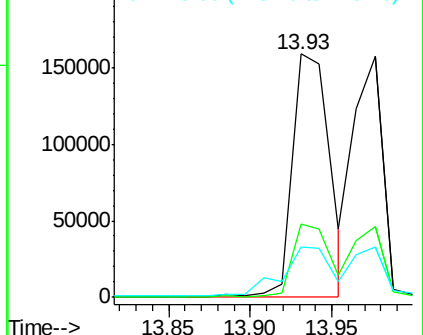
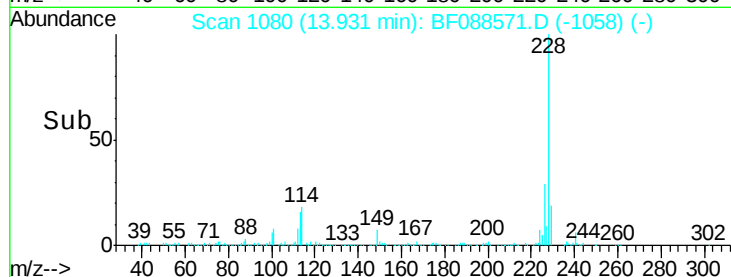
229 20.6 16.3 24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.05 ng

RT: 16.69 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF088571.D

Acq: 1 Jul 2016 13:23

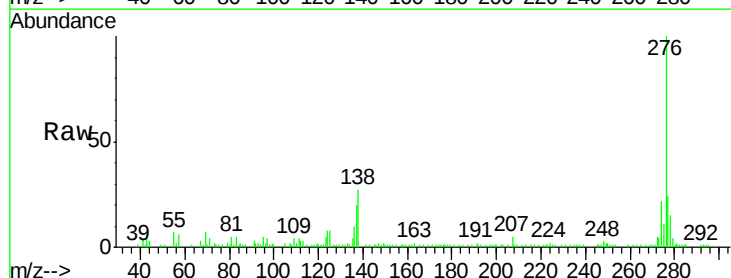
Tgt Ion:276 Resp: 96296

Ion Ratio Lower Upper

276 100

138 26.8 0.0 0.0#

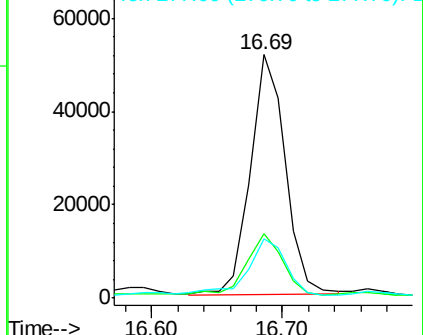
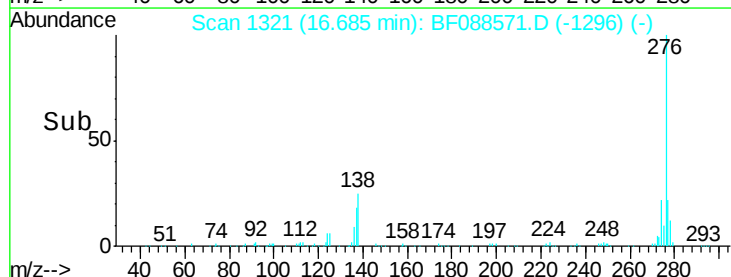
277 26.9 0.0 0.0#

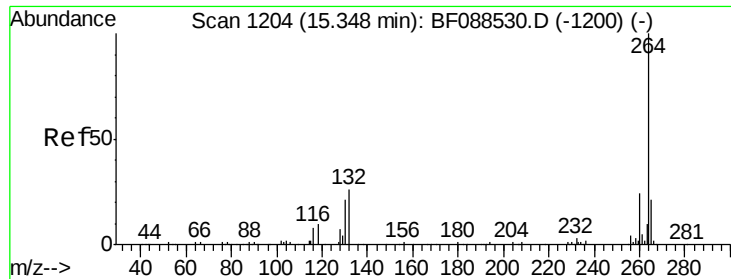


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BF088571.D

Acq: 1 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

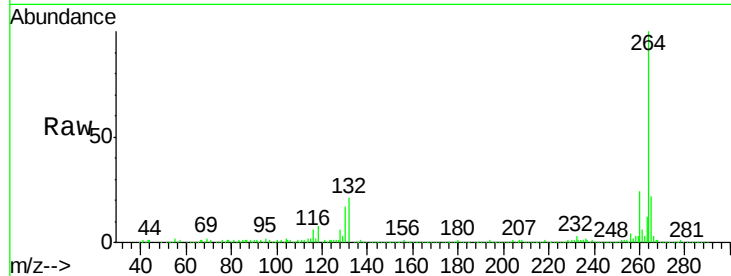
Tot Ion:264 Resp: 290665

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

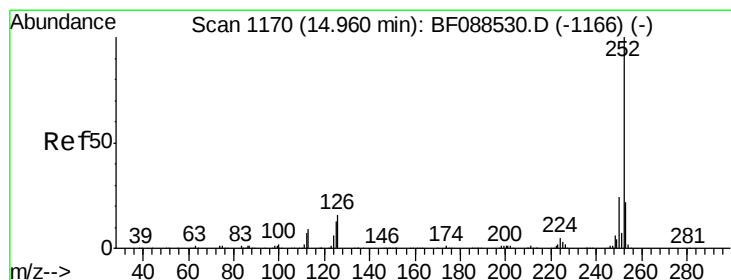
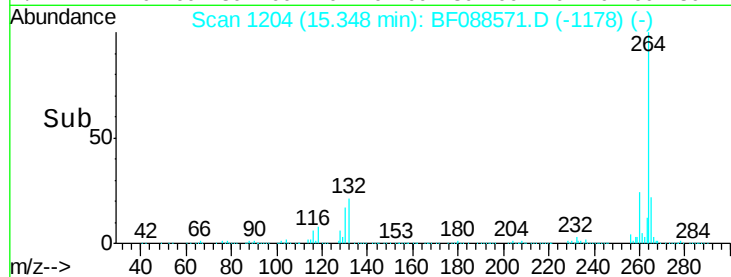
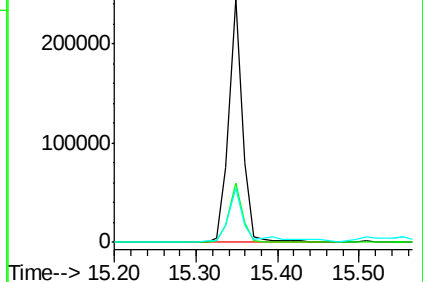
265 22.4 16.9 25.3



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: 18.42 ng

RT: 14.95 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF088571.D

Acq: 1 Jul 2016 13:23

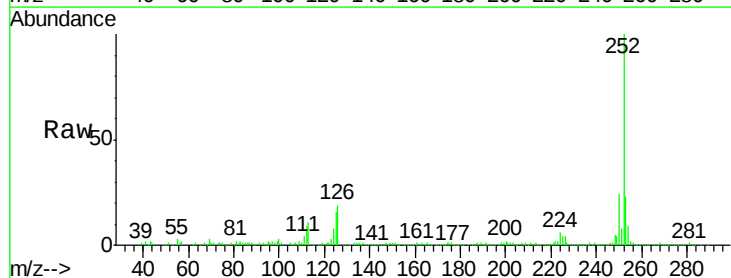
Tgt Ion:252 Resp: 335891

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

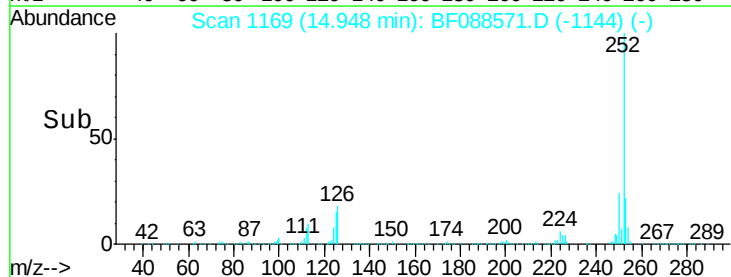
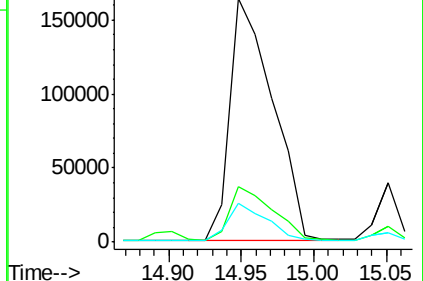
125 15.8 7.1 10.7#

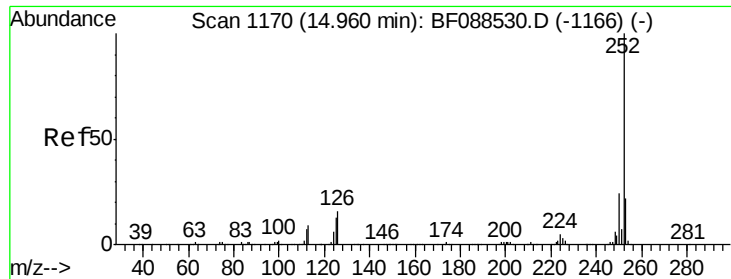


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 21.16 ng

RT: 14.95 min Scan# 1169

Delta R.T. -0.03 min

Lab File: BF088571.D

Acq: 1 Jul 2016 13:23

Instrument :

BNA_F

ClientSampleId :

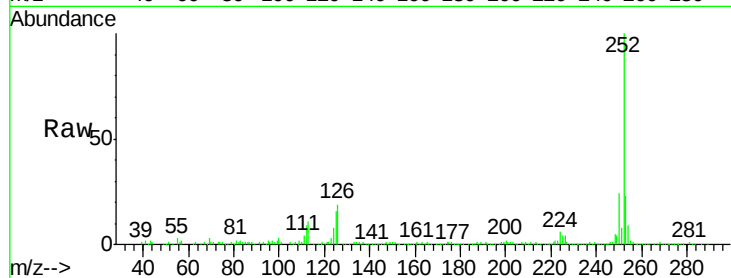
Tot Ion:252 Resp: 335891

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

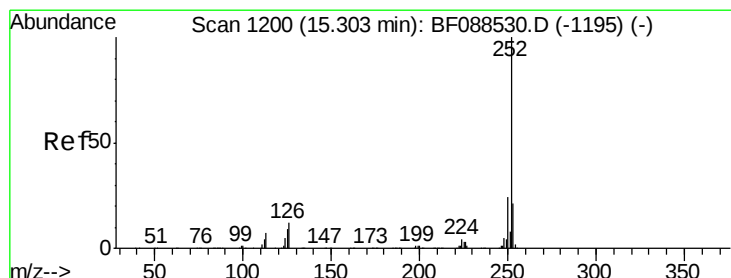
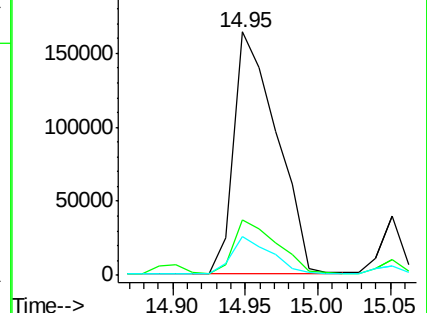
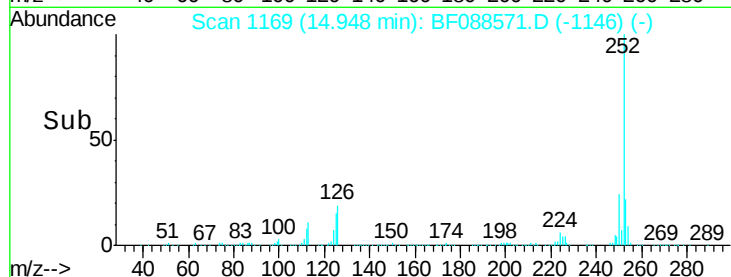
125 15.8 11.2 16.8



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



#89

Benzo(a)pyrene

Concen: 8.13 ng

RT: 15.23 min Scan# 1194

Delta R.T. -0.07 min

Lab File: BF088571.D

Acq: 1 Jul 2016 13:23

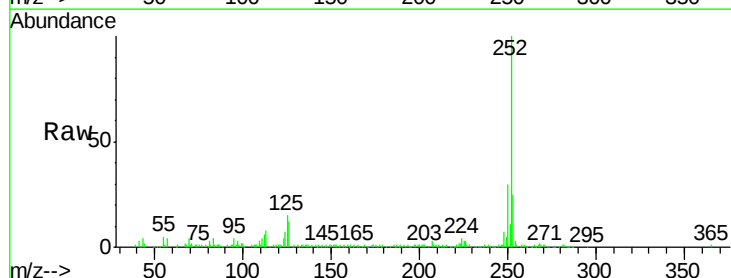
Tgt Ion:252 Resp: 125504

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

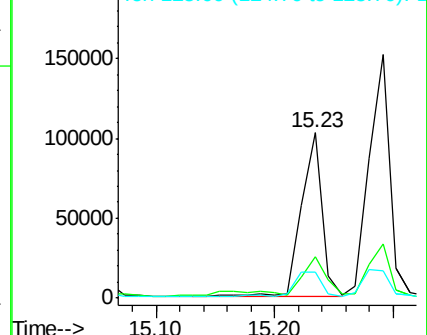
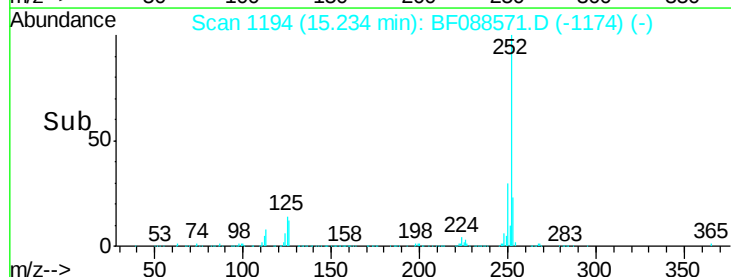
125 15.5 12.5 18.7

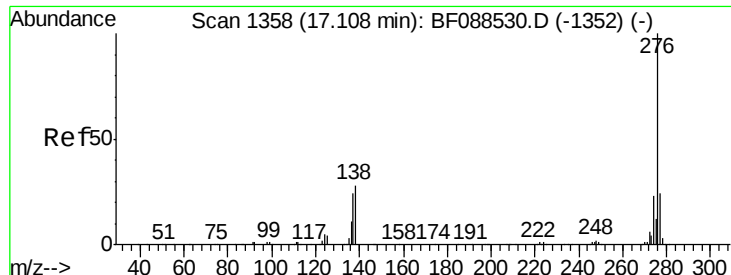


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

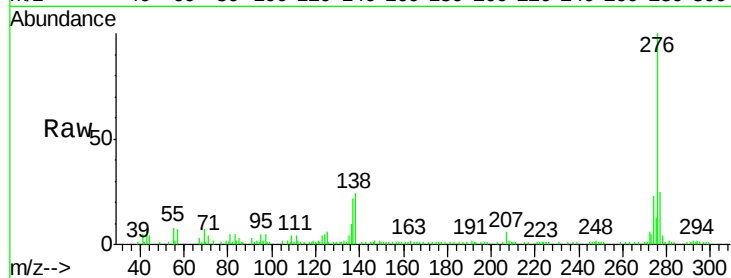




#91
 Benzo(a,h,i)perylene
 Concen: 6.68 ng
 RT: 17.10 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: BF088571.D
 Acq: 1 Jul 2016 13:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.9	28.3
138	23.8	21.4	32.2



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

