

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
 Data File : BF088460.D
 Acq On : 27 Jun 2016 19:27
 Operator : UM/SJ
 Sample : H3747-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C8-B4(0-4.5)C

Quant Time: Jun 28 06:13:46 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 19:14:18 2016
 Response via : Initial Calibration

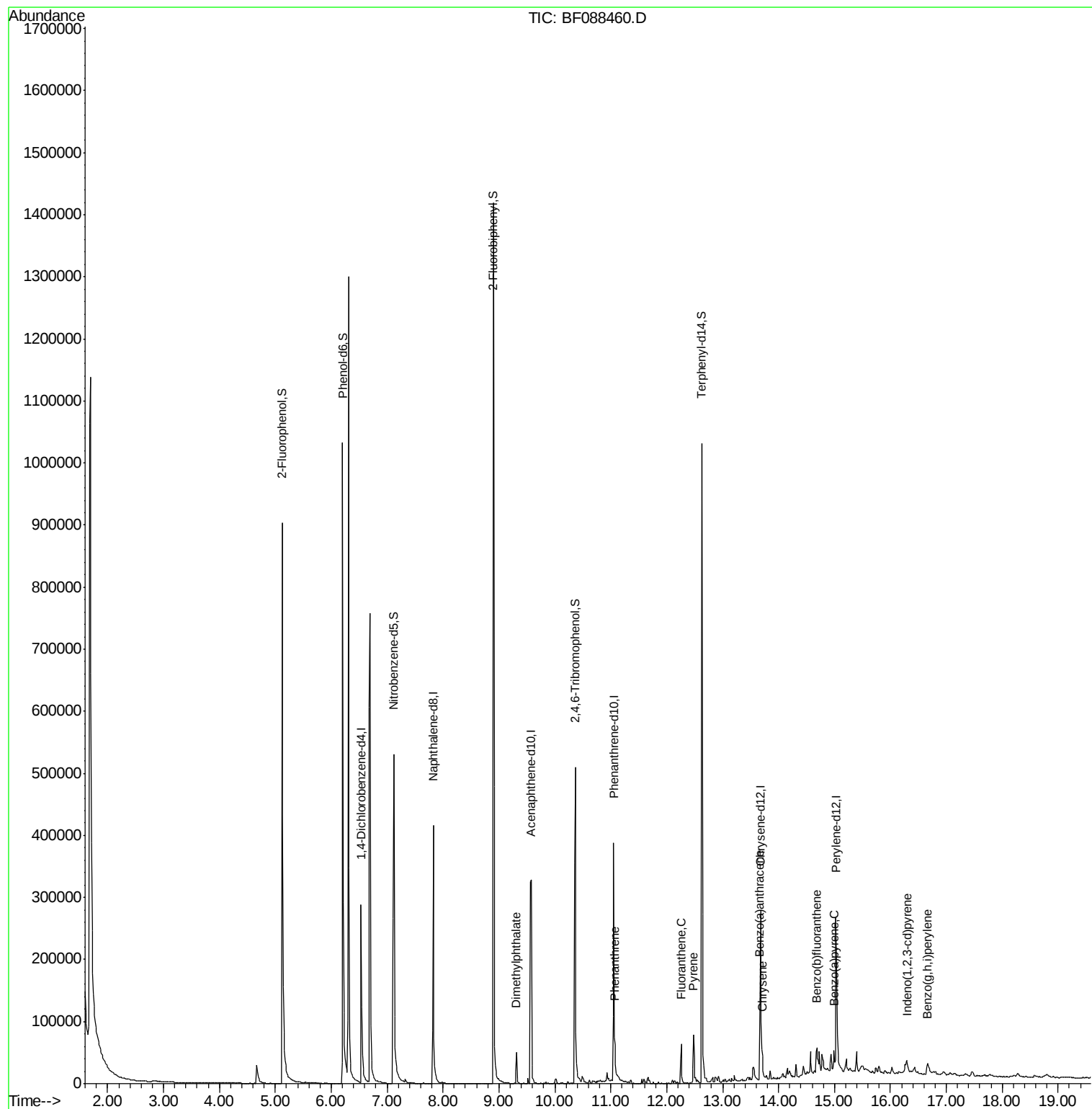
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	64731m	20.00	ng	-0.01
21) Naphthalene-d8	7.83	136	254738	20.00	ng	-0.01
38) Acenaphthene-d10	9.56	164	106346	20.00	ng	-0.02
63) Phenanthrene-d10	11.05	188	182341	20.00	ng	-0.01
75) Chrysene-d12	13.68	240	118265	20.00	ng	-0.01
86) Perylene-d12	15.03	264	131516	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	415591	109.76	ng	-0.01
7) Phenol-d6	6.20	99	479870	104.57	ng	-0.03
23) Nitrobenzene-d5	7.12	82	289757	66.42	ng	-0.02
41) 2,4,6-Tribromophenol	10.36	330	96815	86.22	ng	-0.01
44) 2-Fluorobiphenyl	8.90	172	533639	78.40	ng	-0.02
78) Terphenyl-d14	12.63	244	357777	68.84	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.31	163	29609	3.84	ng	99
70) Phenanthrene	11.07	178	21362	2.23	ng	98
74) Fluoranthene	12.26	202	41829	4.14	ng	96
77) Pyrene	12.48	202	42847	4.88	ng	97
80) Benzo(a)anthracene	13.67	228	22072	3.28	ng	98
82) Chrysene	13.71	228	19557	3.08	ng	98
85) Indeno(1,2,3-cd)pyrene	16.30	276	15107	2.56	ng	# 100
87) Benzo(b)fluoranthene	14.69	252	26173m	2.86	ng	
89) Benzo(a)pyrene	14.99	252	20380	2.75	ng	98
91) Benzo(g,h,i)perylene	16.66	276	15248	2.15	ng	97

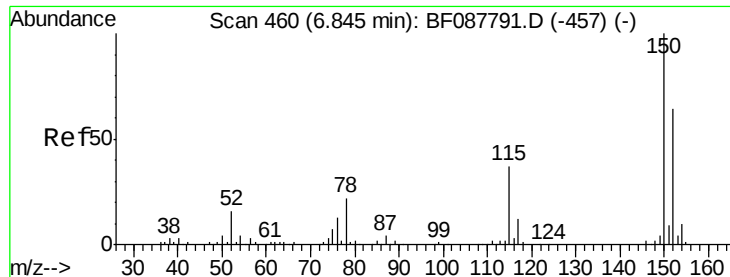
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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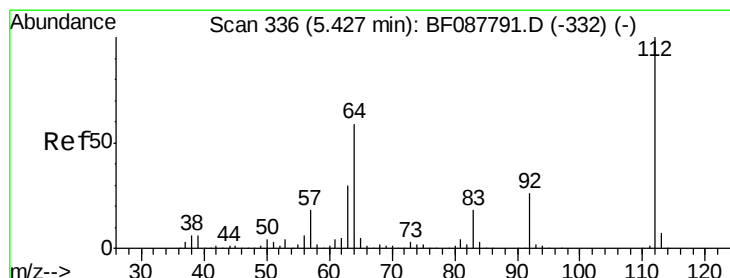
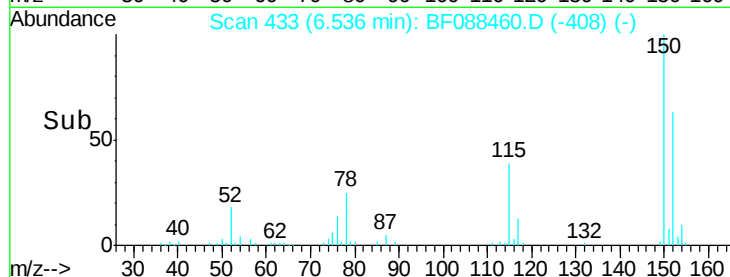
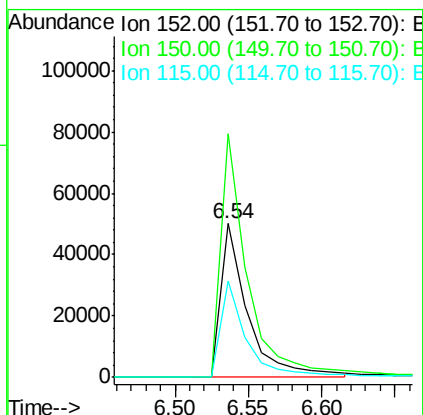
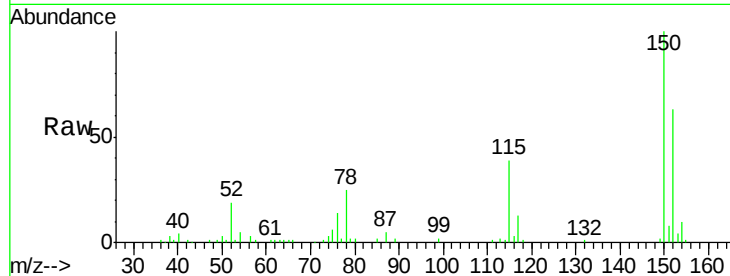


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.54 min Scan# 433
Delta R.T. -0.01 min
Lab File: BF088460.D
Acq: 27 Jun 2016 19:27

Instrument :
BNA_F
ClientSampleId :
C8-B4(0-4.5)C

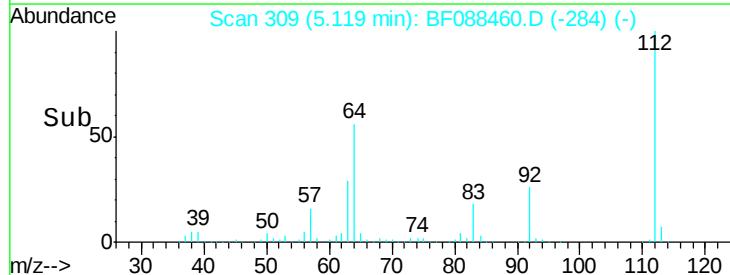
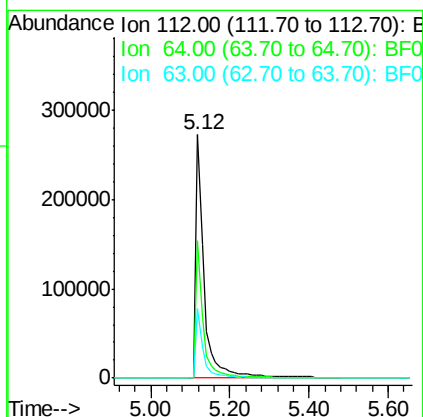
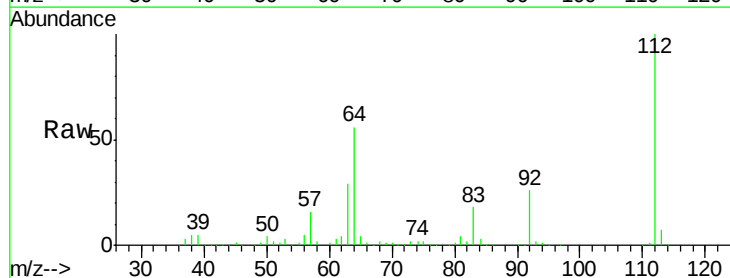
Tot Ion:152 Resp: 64731
Ion Ratio Lower Upper
152 100
150 158.7 123.8 185.6
115 62.5 39.6 59.4#

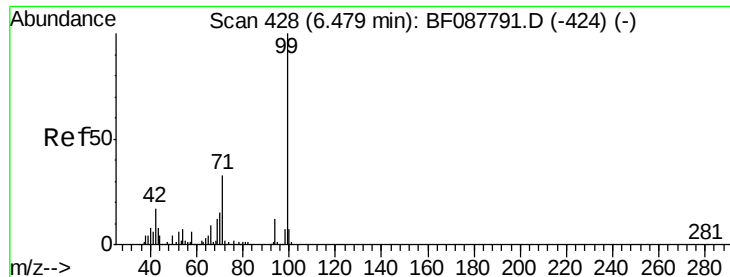


#5

2-Fluorophenol
Concen: 109.76 ng
RT: 5.12 min Scan# 309
Delta R.T. -0.01 min
Lab File: BF088460.D
Acq: 27 Jun 2016 19:27

Tgt Ion:112 Resp: 415591
Ion Ratio Lower Upper
112 100
64 56.2 42.2 63.2
63 28.6 21.8 32.8





#7

Phenol-d6

Concen: 104.57 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.03 min

Lab File: BF088460.D

Acq: 27 Jun 2016 19:27

Instrument :

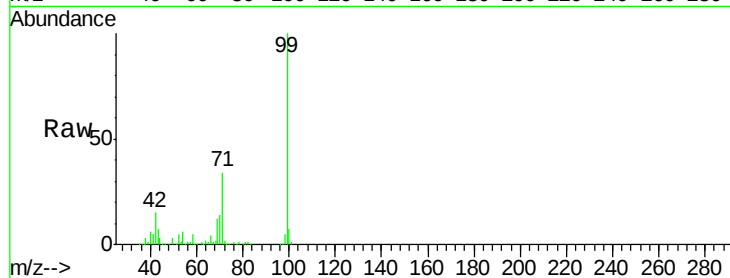
BNA_F

ClientSampleId :

C8-B4(0-4.5)C

Tot Ion: 99 Resp: 479870

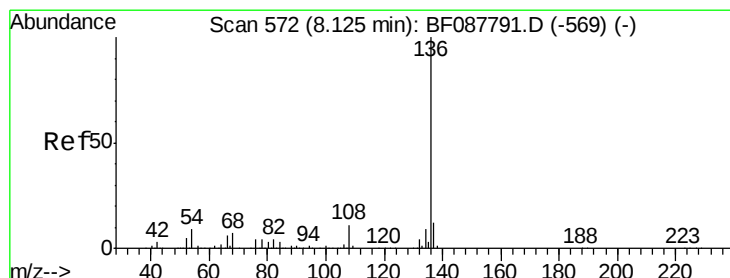
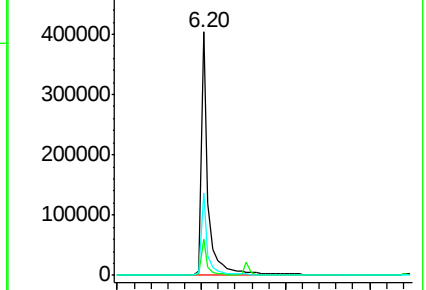
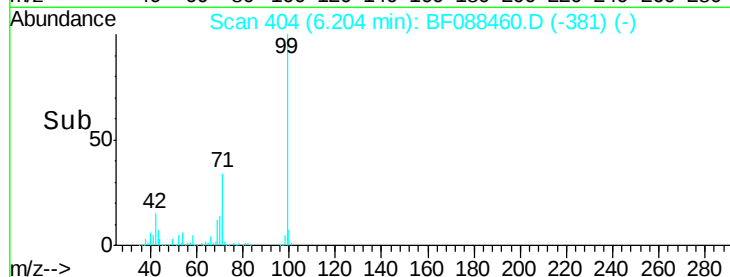
Ion	Ratio	Lower	Upper
99	100		
42	14.6	12.2	18.2
71	33.6	23.4	35.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 546

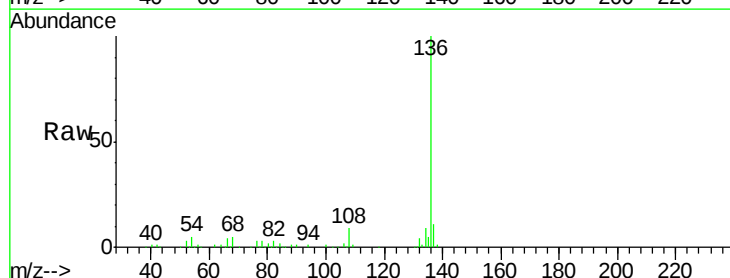
Delta R.T. -0.01 min

Lab File: BF088460.D

Acq: 27 Jun 2016 19:27

Tgt Ion: 136 Resp: 254738

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.4	6.6	10.0#
68	4.6	5.1	7.7#

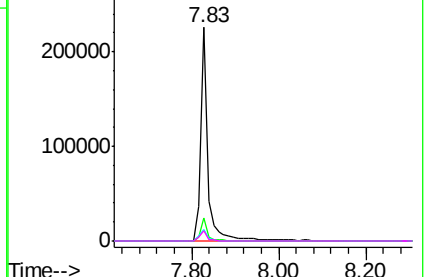
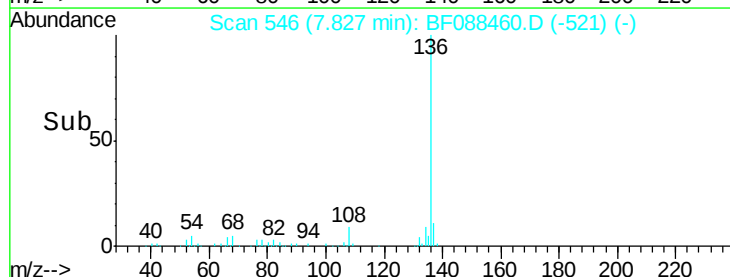


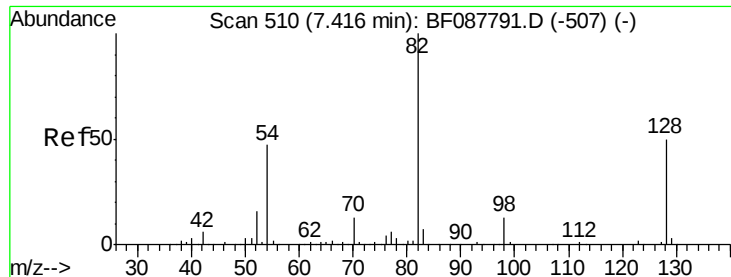
Abundance Ion 136.00 (135.70 to 136.70): E

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

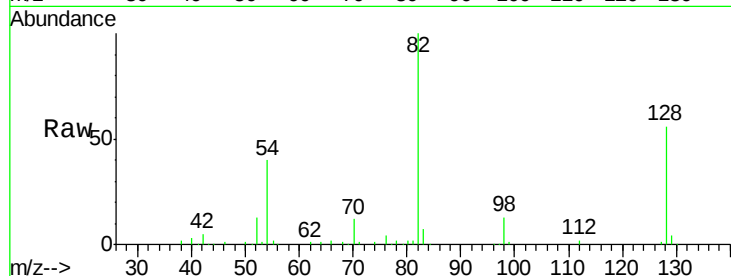




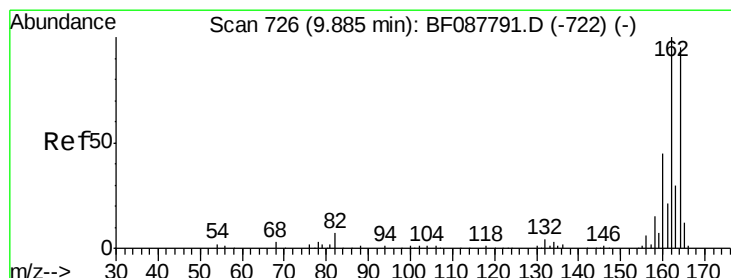
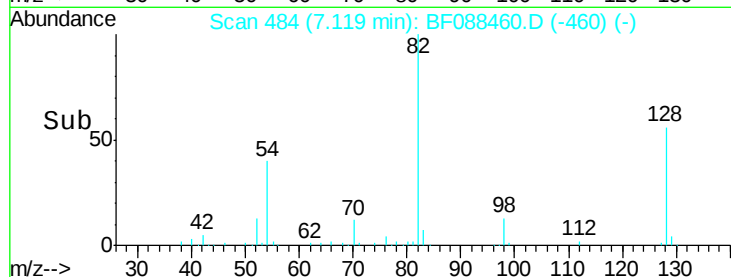
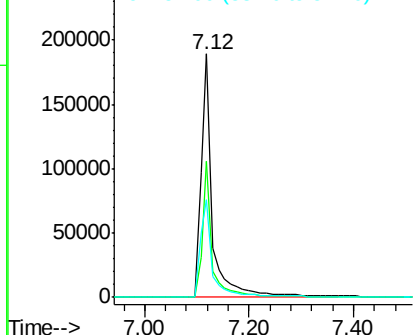
#23
 Nitrobenzene-d5
 Concen: 66.42 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.02 min
 Lab File: BF088460.D
 Acq: 27 Jun 2016 19:27

Instrument :
 BNA_F
 ClientSampleId :
 C8-B4(0-4.5)C

Tot Ion: 82 Resp: 289757
 Ion Ratio Lower Upper
 82 100
 128 55.9 35.9 53.9#
 54 40.1 40.9 61.3#

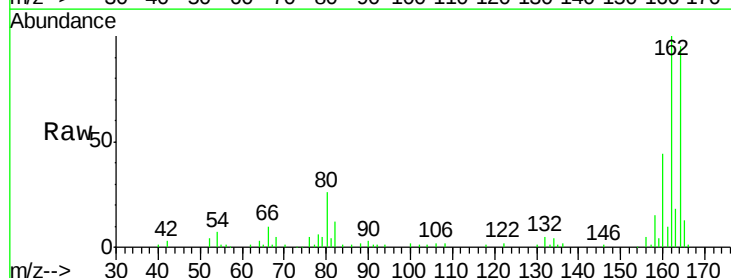


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

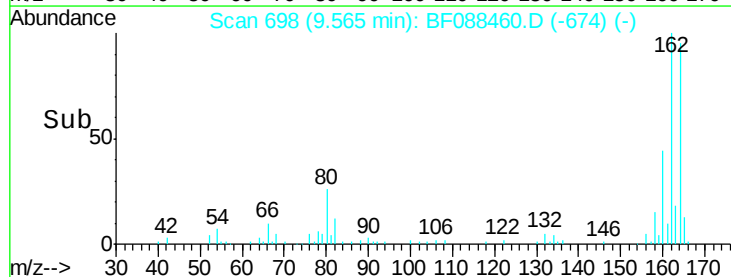
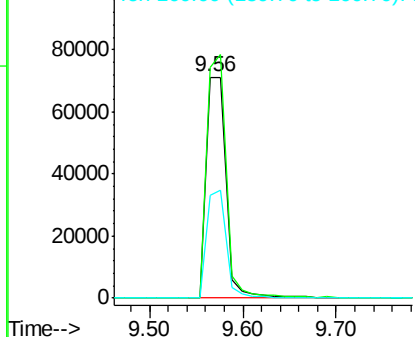


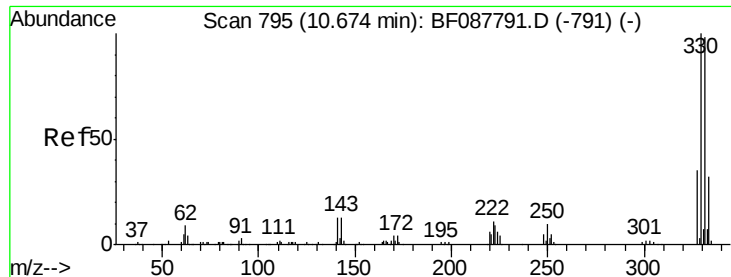
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.02 min
 Lab File: BF088460.D
 Acq: 27 Jun 2016 19:27

Tgt Ion:164 Resp: 106346
 Ion Ratio Lower Upper
 164 100
 162 104.8 85.4 128.2
 160 46.3 39.5 59.3



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

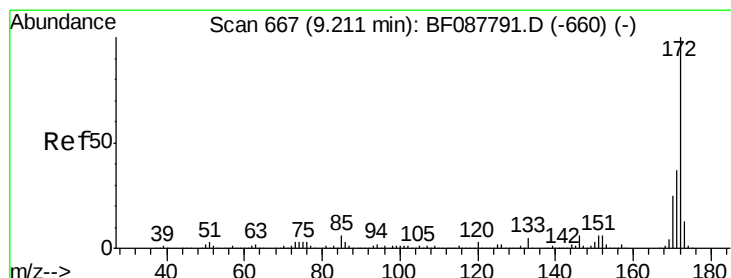
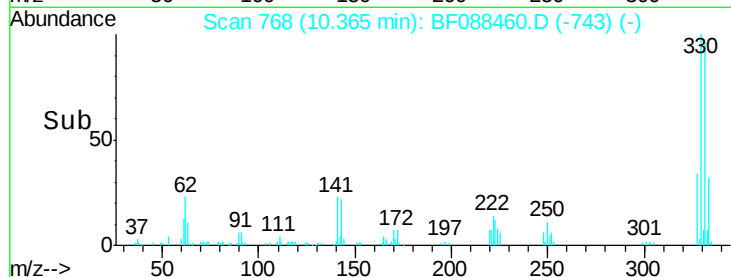
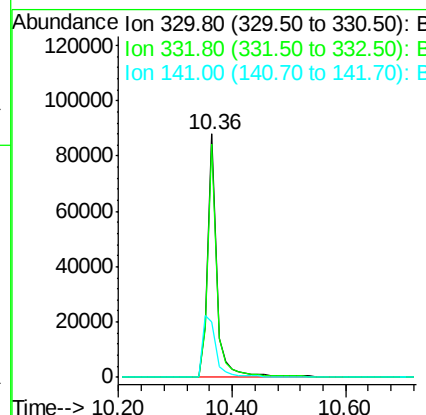
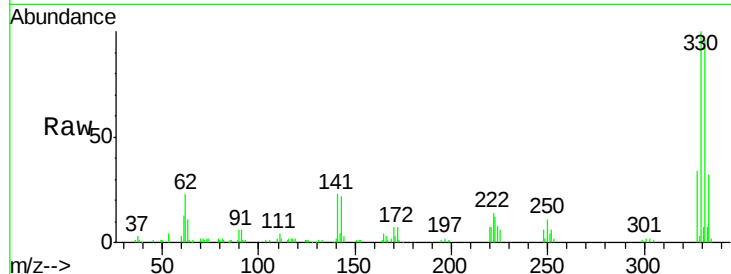




#41
 2,4,6-Tribromophenol
 Concen: 86.22 ng
 RT: 10.36 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF088460.D
 Acq: 27 Jun 2016 19:27

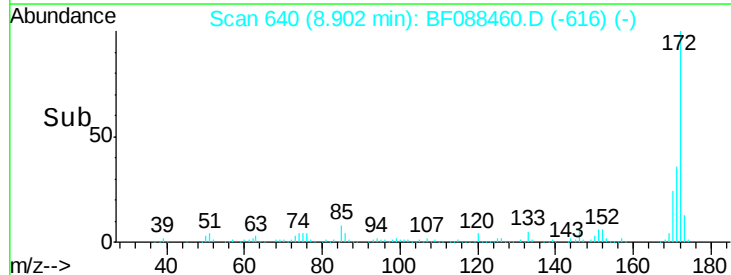
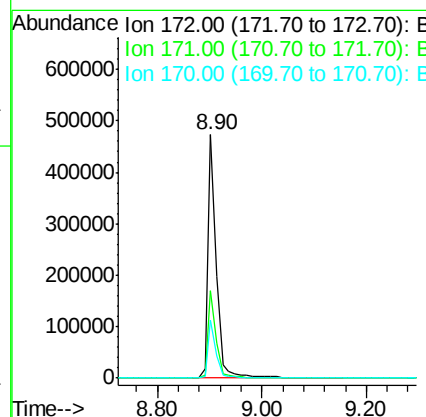
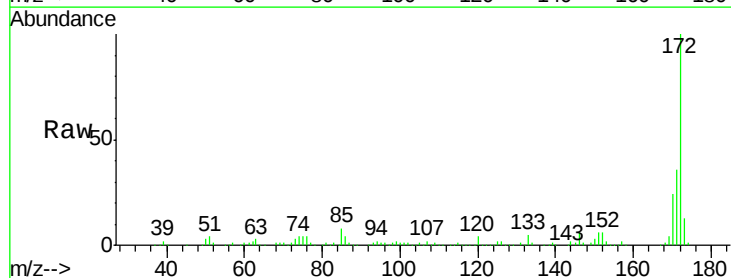
Instrument :
 BNA_F
 ClientSampleId :
 C8-B4(0-4.5)C

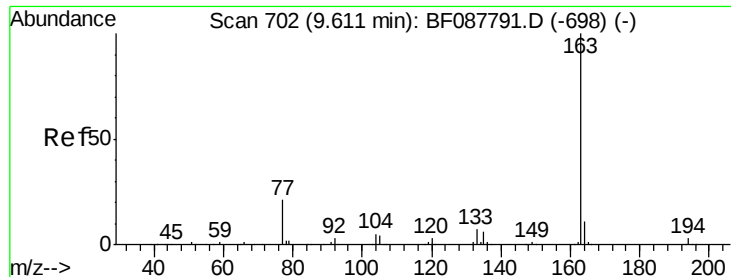
Tot Ion	330	Resp	96815
Ion Ratio	100		
Lower	0.0		
Upper	0.0#		
332	96.2		
141	37.1		
	0.0		
	0.0#		



#44
 2-Fluorobiphenyl
 Concen: 78.40 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: BF088460.D
 Acq: 27 Jun 2016 19:27

Tgt Ion	172	Resp	533639
Ion Ratio	100		
Lower	28.6		
Upper	43.0		
171	35.8		
170	24.0		
	19.2		
	28.8		

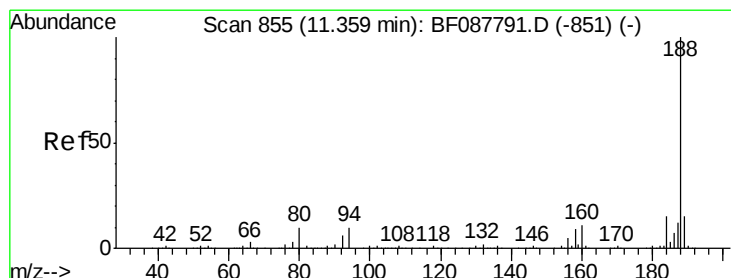
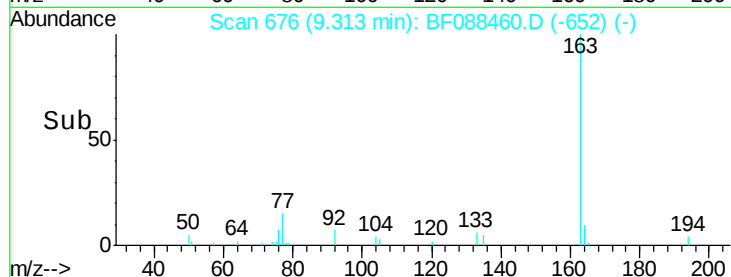
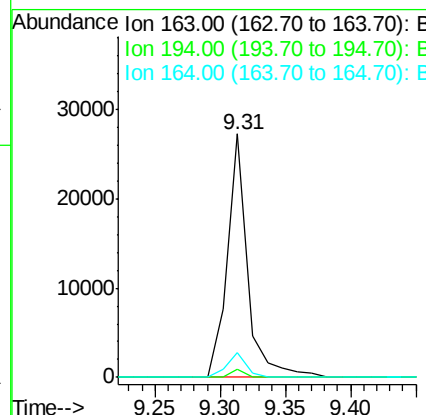
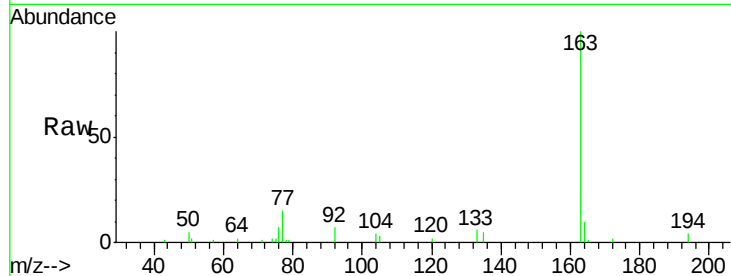




#49
Dimethylphthalate
Concen: 3.84 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.02 min
Lab File: BF088460.D
Acq: 27 Jun 2016 19:27

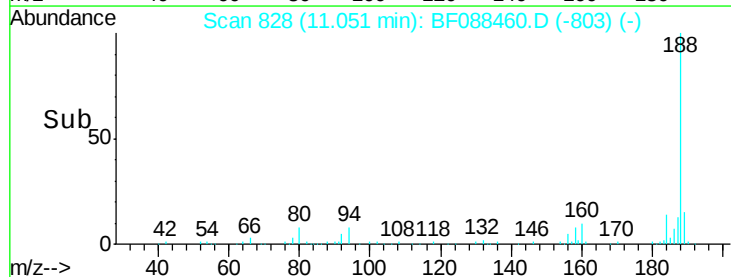
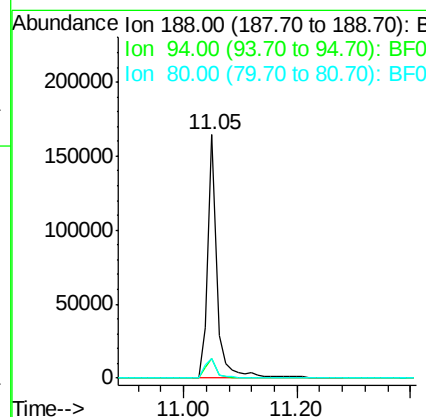
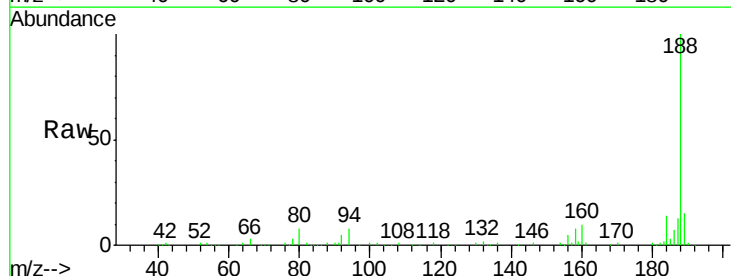
Instrument :
BNA_F
ClientSampleId :
C8-B4(0-4.5)C

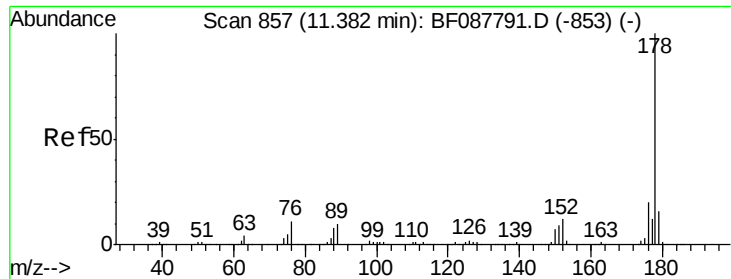
Tot Ion:163 Resp: 29609
Ion Ratio Lower Upper
163 100
194 3.6 2.8 4.2
164 10.1 8.3 12.5



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF088460.D
Acq: 27 Jun 2016 19:27

Tgt Ion:188 Resp: 182341
Ion Ratio Lower Upper
188 100
94 7.9 9.0 13.6#
80 8.2 10.0 15.0#

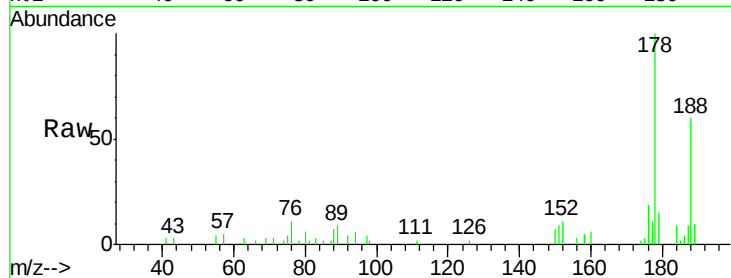




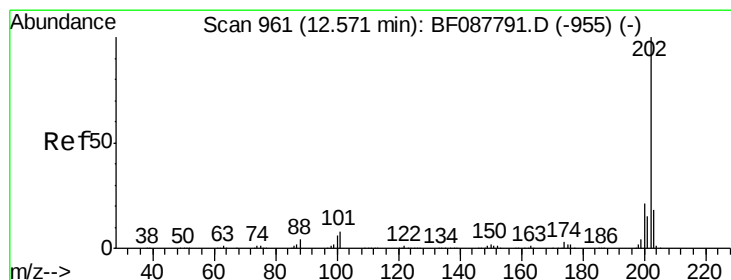
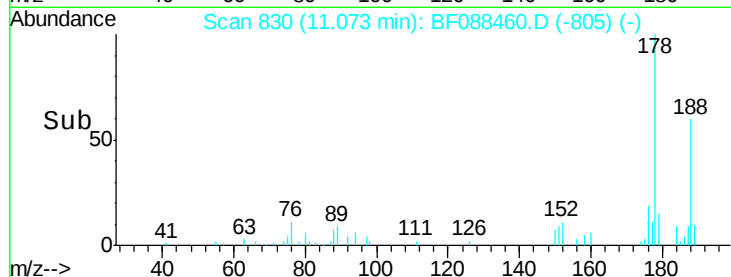
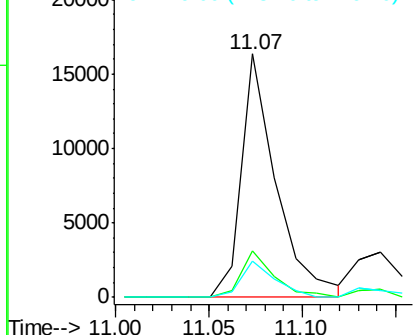
#70
Phenanthrene
Concen: 2.23 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF088460.D
Acq: 27 Jun 2016 19:27

Instrument :
BNA_F
ClientSampleId :
C8-B4(0-4.5)C

Tot Ion:178 Resp: 21362
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.0 13.0 19.4

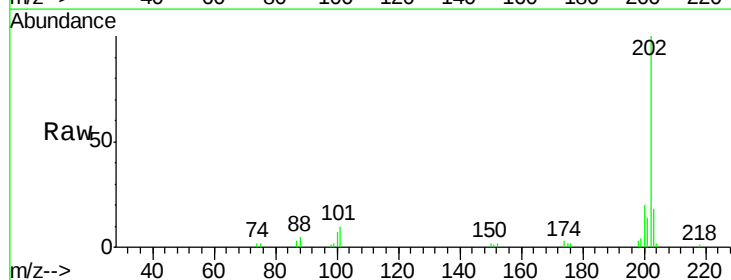


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

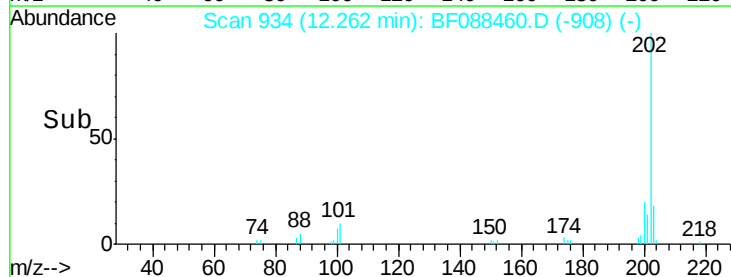
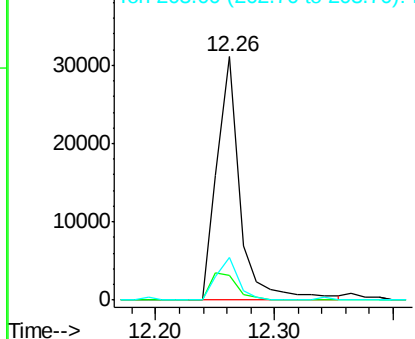


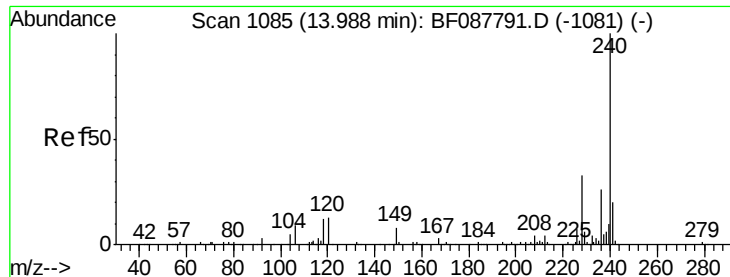
#74
Fluoranthene
Concen: 4.14 ng
RT: 12.26 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF088460.D
Acq: 27 Jun 2016 19:27

Tgt Ion:202 Resp: 41829
Ion Ratio Lower Upper
202 100
101 9.9 0.0 33.1
203 17.6 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: 13.68 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BF088460.D

Acq: 27 Jun 2016 19:27

Instrument :

BNA_F

ClientSampleId :

C8-B4(0-4.5)C

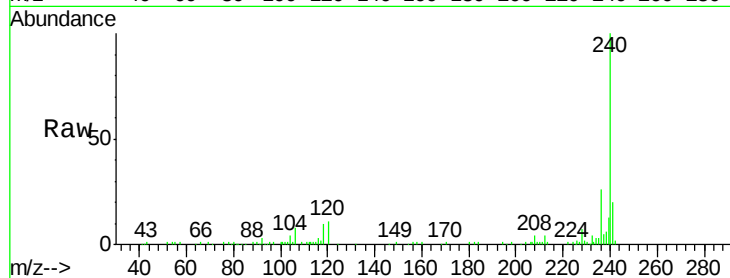
Tot Ion:240 Resp: 118265

Ion Ratio Lower Upper

240 100

120 11.4 6.8 10.2#

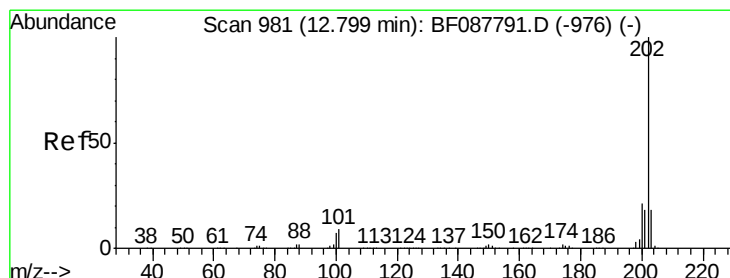
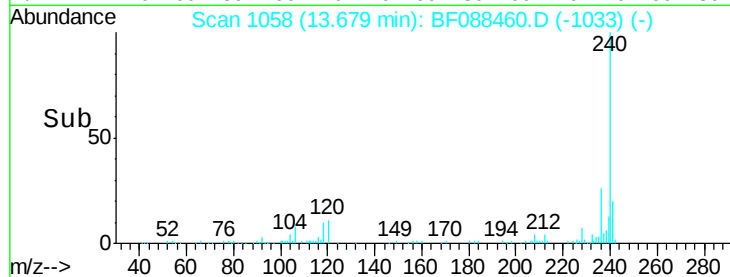
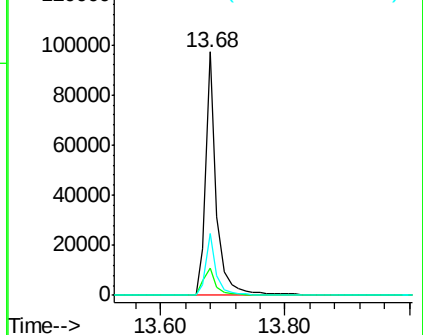
236 25.6 20.2 30.2



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

Pyrene

Concen: 4.88 ng

RT: 12.48 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF088460.D

Acq: 27 Jun 2016 19:27

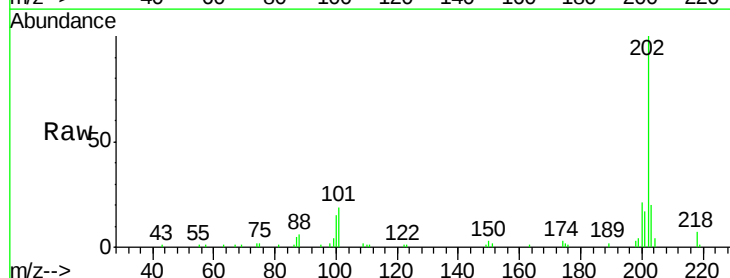
Tgt Ion:202 Resp: 42847

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

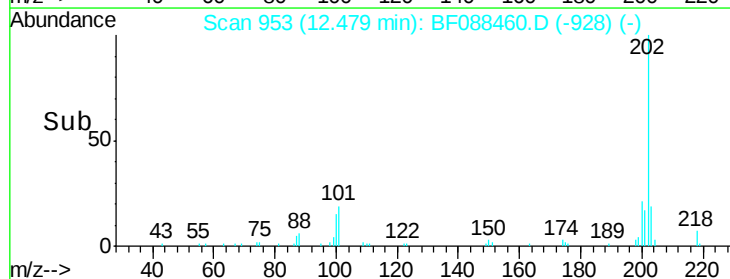
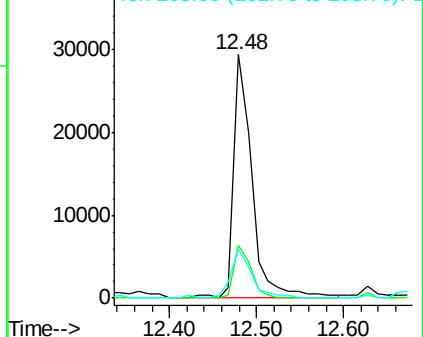
203 20.3 14.5 21.7

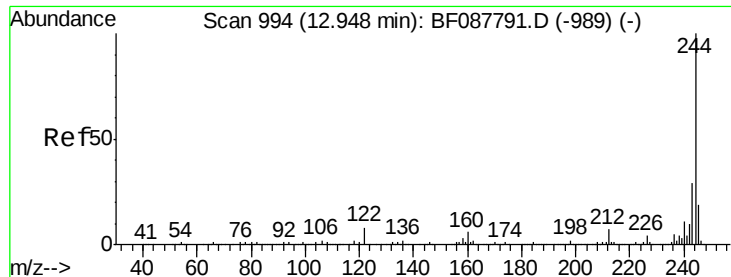


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

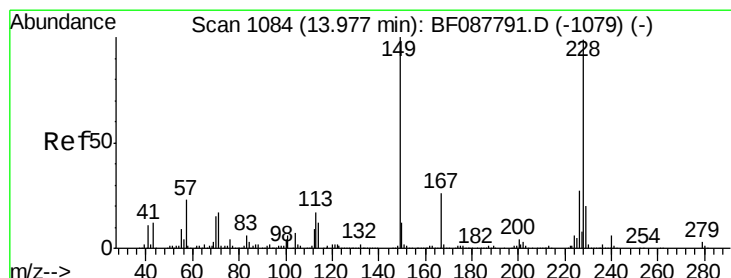
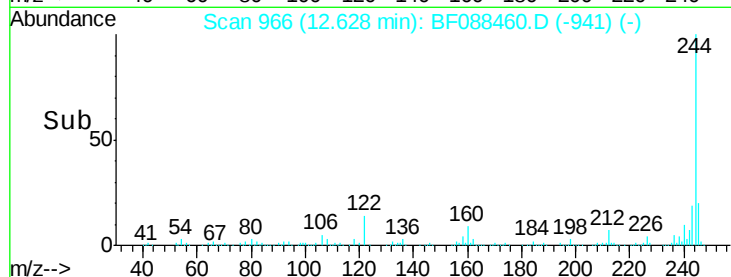
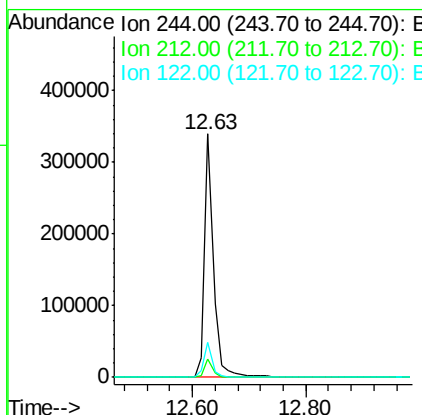
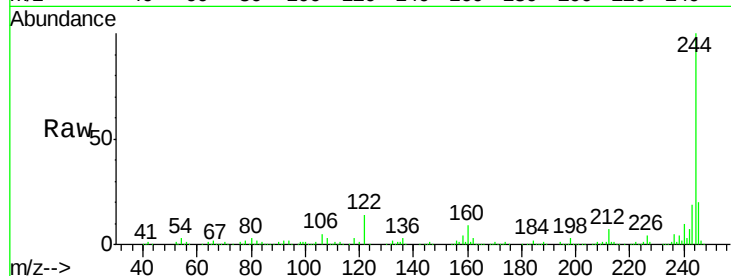




#78
 Terphenyl-d14
 Concen: 68.84 ng
 RT: 12.63 min Scan# 966
 Delta R.T. -0.01 min
 Lab File: BF088460.D
 Acq: 27 Jun 2016 19:27

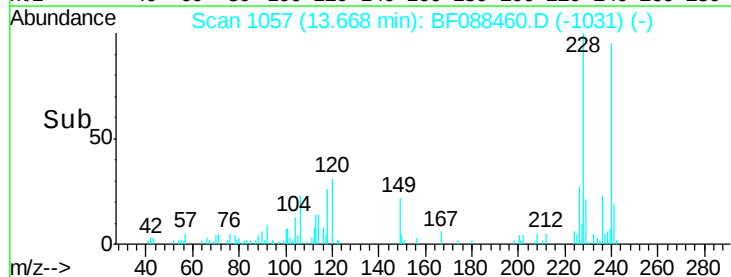
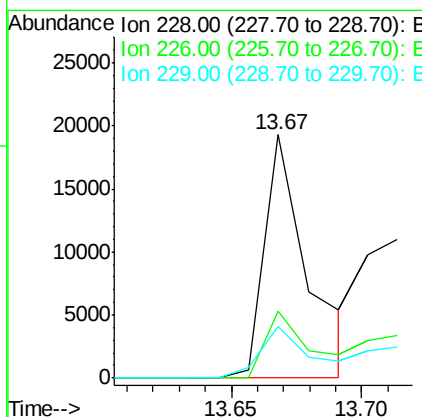
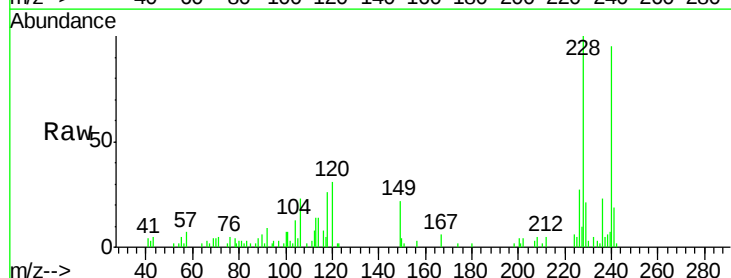
Instrument :
 BNA_F
 ClientSampleId :
 C8-B4(0-4.5)C

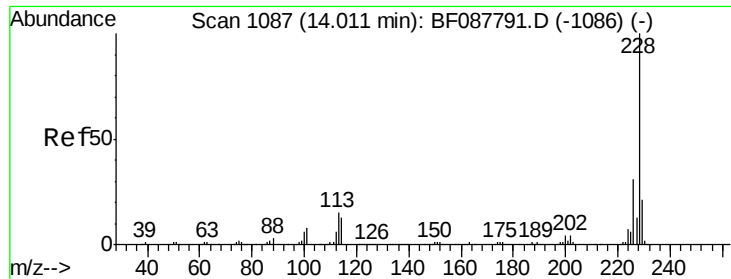
Tot Ion:244 Resp: 357777
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 14.1 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 3.28 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: BF088460.D
 Acq: 27 Jun 2016 19:27

Tgt Ion:228 Resp: 22072
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.3 33.5
 229 21.0 16.0 24.0

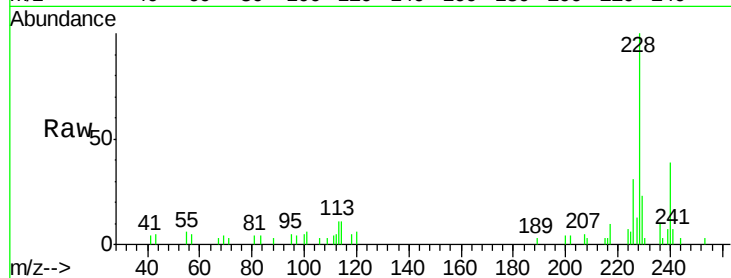




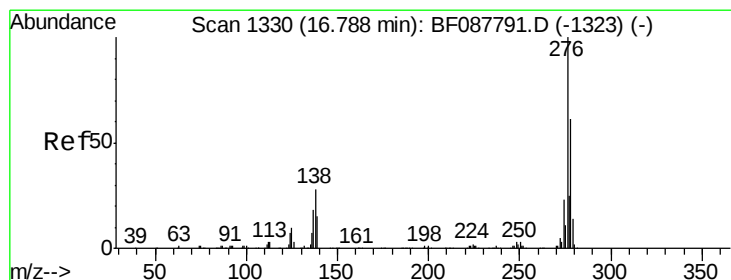
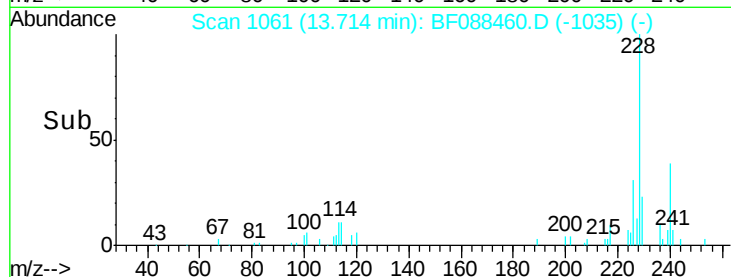
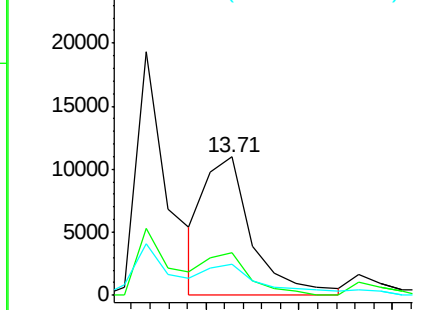
#82
 Chrysene
 Concen: 3.08 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BF088460.D
 Acq: 27 Jun 2016 19:27

Instrument :
 BNA_F
 ClientSampleId :
 C8-B4(0-4.5)C

Tot	Ion:228	Resp:	19557
Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.4	38.2
229	22.6	16.3	24.5

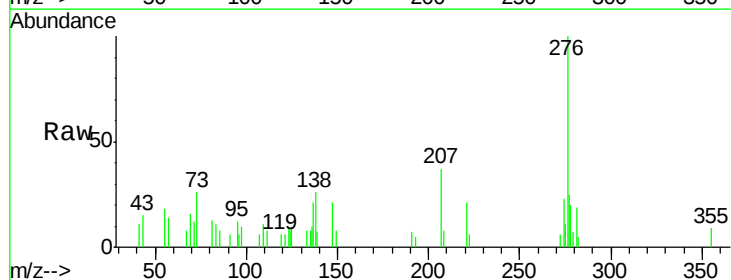


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

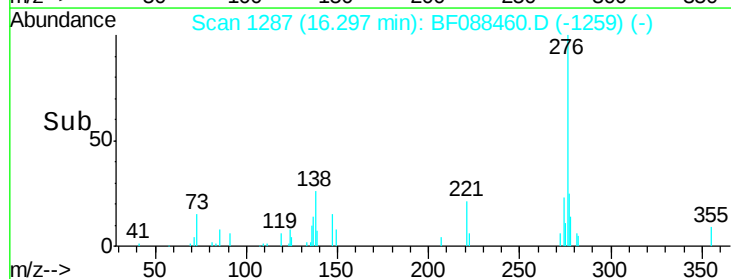
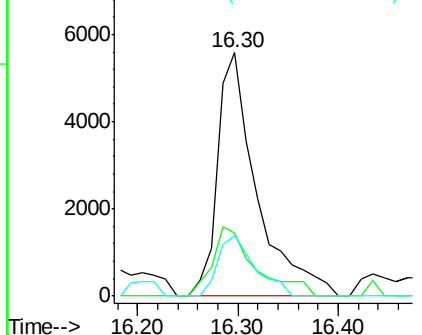


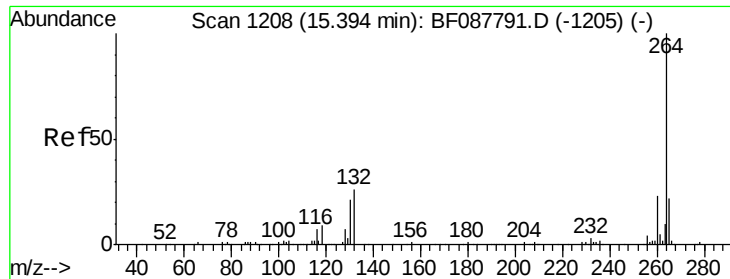
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.56 ng
 RT: 16.30 min Scan# 1287
 Delta R.T. 0.02 min
 Lab File: BF088460.D
 Acq: 27 Jun 2016 19:27

Tgt	Ion:276	Resp:	15107
Ion	Ratio	Lower	Upper
276	100		
138	31.2	0.0	0.0#
277	23.8	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

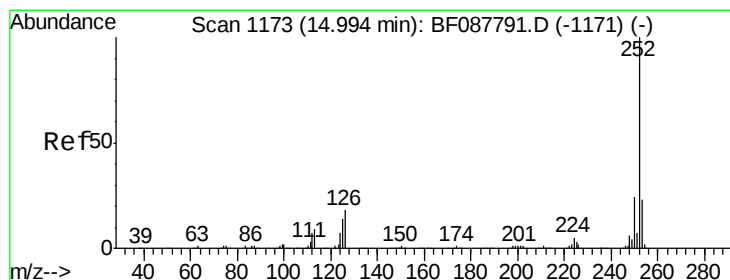
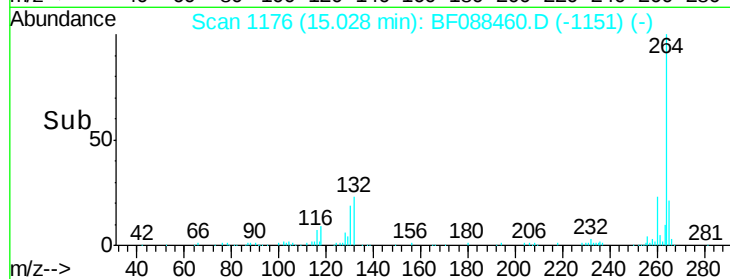
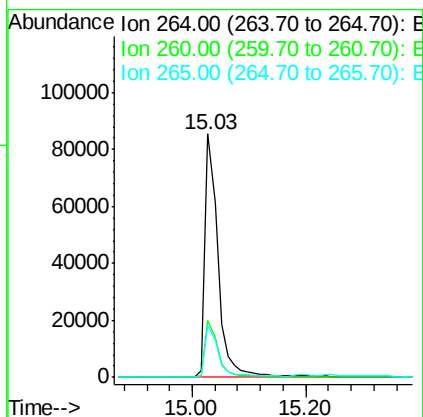
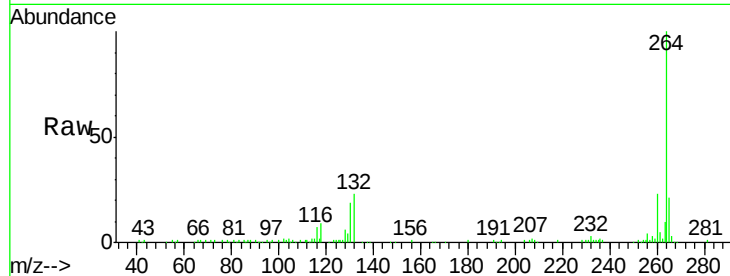




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF088460.D
Acq: 27 Jun 2016 19:27

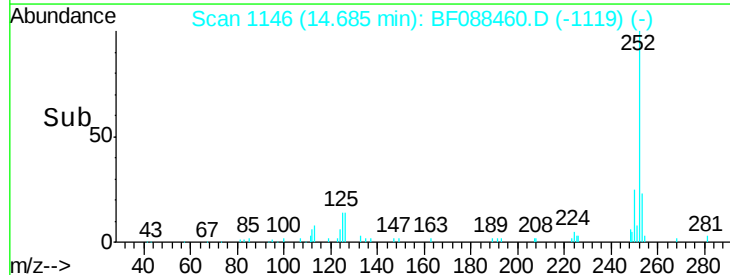
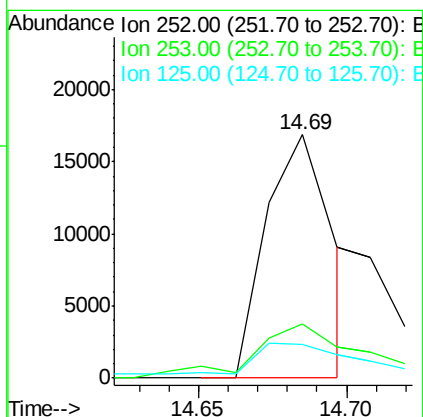
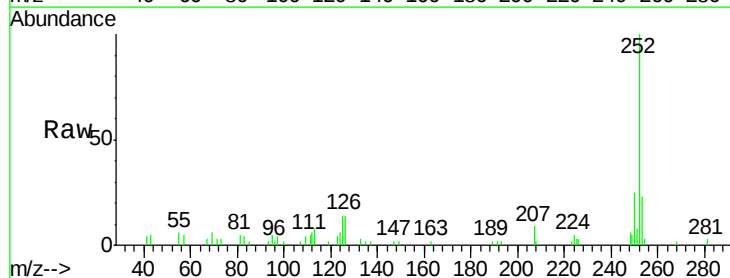
Instrument :
BNA_F
ClientSampleId :
C8-B4(0-4.5)C

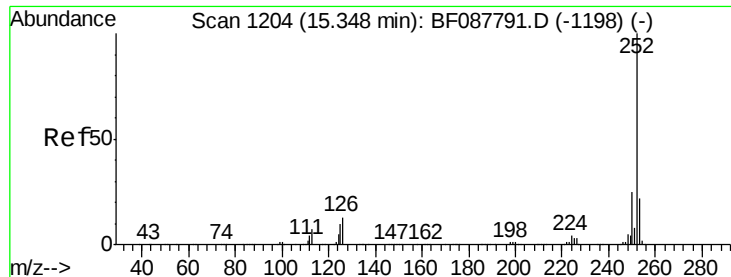
Tot Ion:264 Resp: 131516
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.4 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 2.86 ng m
RT: 14.69 min Scan# 1146
Delta R.T. 0.01 min
Lab File: BF088460.D
Acq: 27 Jun 2016 19:27

Tgt Ion:252 Resp: 26173
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 13.9 7.1 10.7#

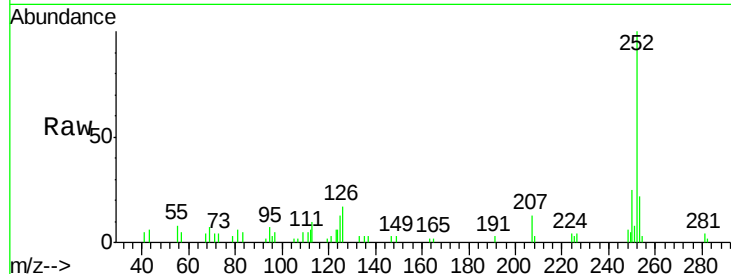




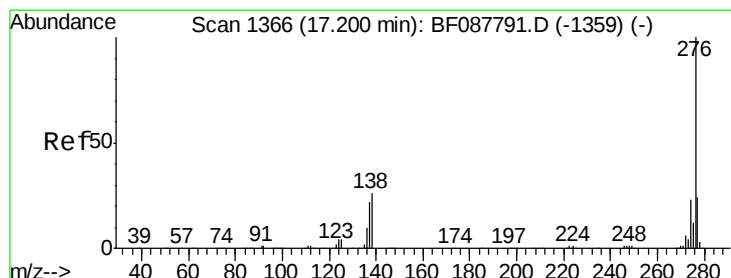
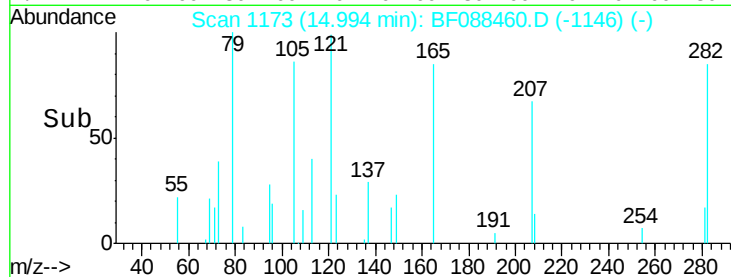
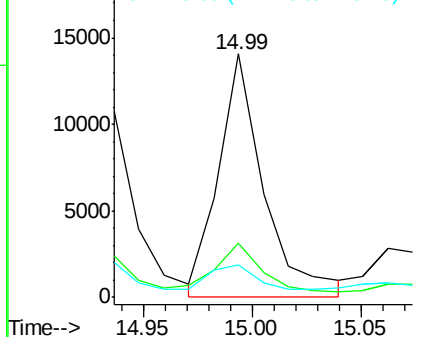
#89
Benzo(a)pyrene
Concen: 2.75 ng
RT: 14.99 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF088460.D
Acq: 27 Jun 2016 19:27

Instrument :
BNA_F
ClientSampleId :
C8-B4(0-4.5)C

Tot Ion:252 Resp: 20380
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 13.4 12.5 18.7

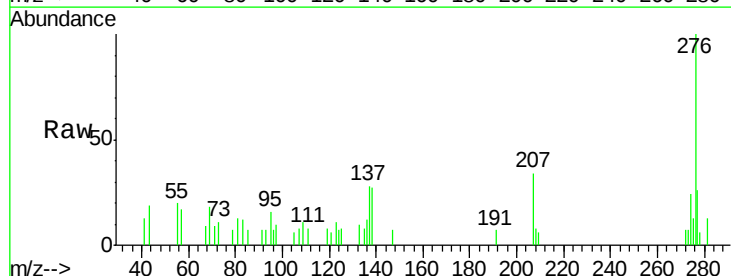


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.15 ng
RT: 16.66 min Scan# 1319
Delta R.T. 0.03 min
Lab File: BF088460.D
Acq: 27 Jun 2016 19:27

Tgt Ion:276 Resp: 15248
Ion Ratio Lower Upper
276 100
277 26.2 18.9 28.3
138 27.5 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

