

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
 Data File : BF089276.D
 Acq On : 25 Jul 2016 13:42
 Operator : UM/SJ
 Sample : H4129-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KMW-04-0.2-2.0

Quant Time: Jul 26 12:51:12 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 16:56:43 2016
 Response via : Initial Calibration

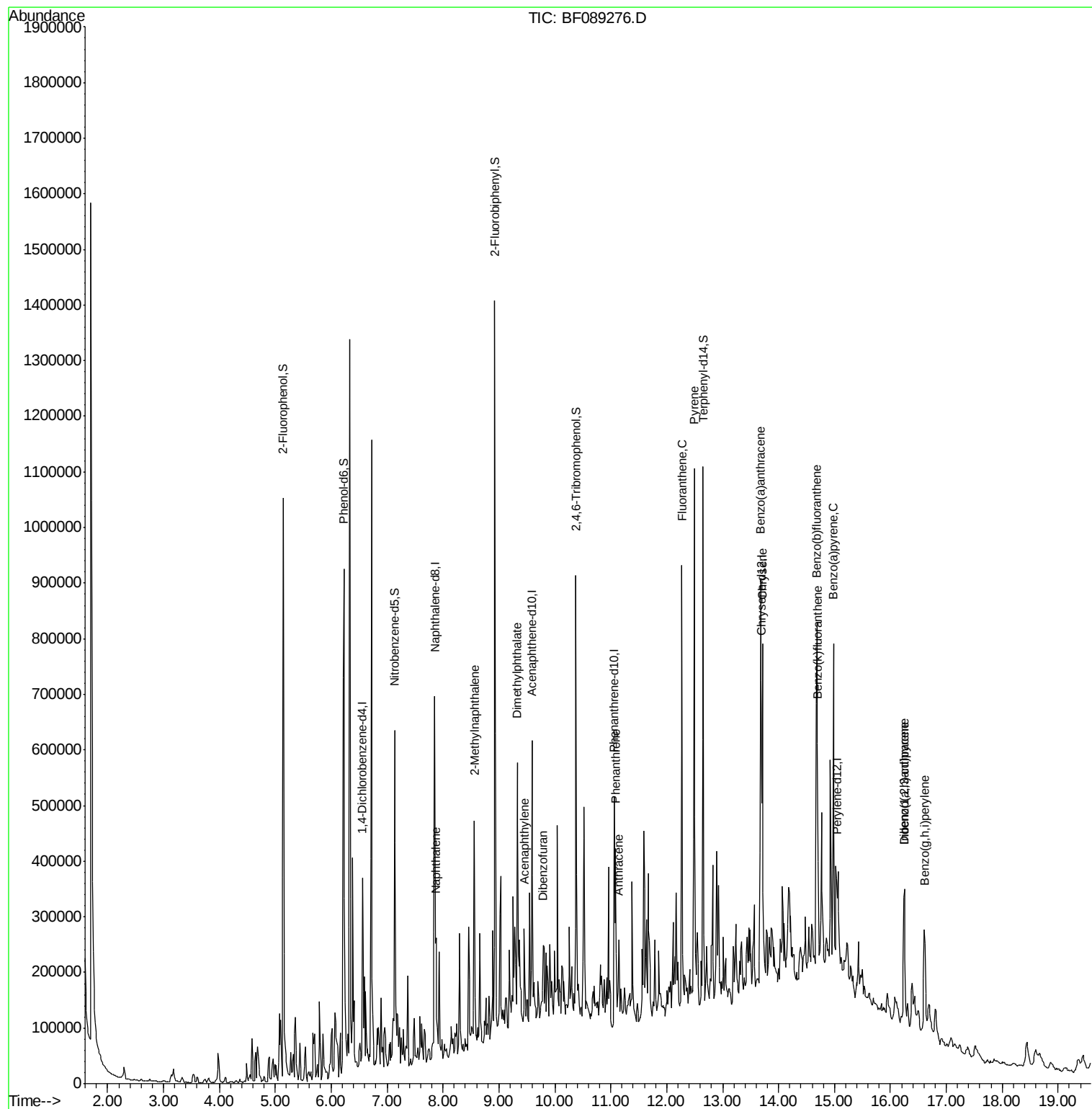
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	64193	20.00	ng	-0.01
21) Naphthalene-d8	7.85	136	254162	20.00	ng	0.00
38) Acenaphthene-d10	9.59	164	105999	20.00	ng	-0.01
63) Phenanthrene-d10	11.06	188	176861	20.00	ng	-0.01
75) Chrysene-d12	13.69	240	120559	20.00	ng	0.00
86) Perylene-d12	15.04	264	108365	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	382010	90.51	ng	0.00
7) Phenol-d6	6.23	99	507060	93.16	ng	0.00
23) Nitrobenzene-d5	7.13	82	306945	64.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.38	330	75197	78.79	ng	-0.01
44) 2-Fluorobiphenyl	8.92	172	510903	66.41	ng	-0.01
78) Terphenyl-d14	12.65	244	339701	61.12	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.87	128	120695	8.80	ng	99
37) 2-Methylnaphthalene	8.56	142	111575	12.75	ng	96
48) Acenaphthylene	9.45	152	58921	5.17	ng	# 96
49) Dimethylphthalate	9.32	163	148887	18.30	ng	97
54) Dibenzofuran	9.79	168	28218m	3.10	ng	
70) Phenanthrene	11.08	178	127484	13.14	ng	99
71) Anthracene	11.14	178	63800	6.33	ng	97
74) Fluoranthene	12.27	202	415518	40.75	ng	94
77) Pyrene	12.49	202	374798	37.64	ng	97
80) Benzo(a)anthracene	13.68	228	320866	41.79	ng	93
82) Chrysene	13.71	228	213896m	29.16	ng	
85) Indeno(1,2,3-cd)pyrene	16.25	276	159900	30.02	ng	96
87) Benzo(b)fluoranthene	14.69	252	394853m	50.31	ng	
88) Benzo(k)fluoranthene	14.70	252	81528m	14.53	ng	
89) Benzo(a)pyrene	14.98	252	269539	44.24	ng	96
90) Dibenzo(a,h)anthracene	16.25	278	35902m	7.46	ng	
91) Benzo(g,h,i)perylene	16.61	276	146694	30.24	ng	94

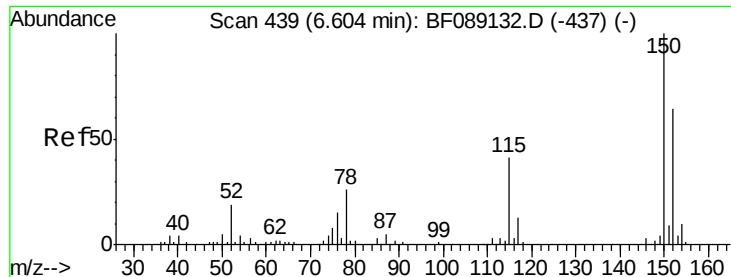
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072516\
Data File : BF089276.D
Acq On : 25 Jul 2016 13:42
Operator : UM/SJ
Sample : H4129-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
KMW-04-0.2-2.0

Quant Time: Jul 26 12:51:12 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 25 16:56:43 2016
Response via : Initial Calibration



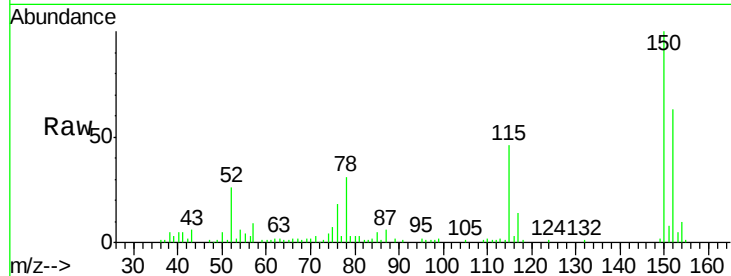


#1

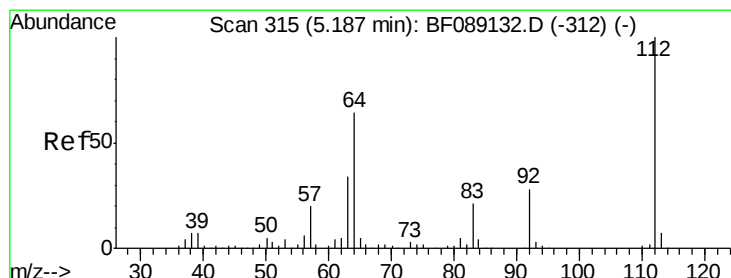
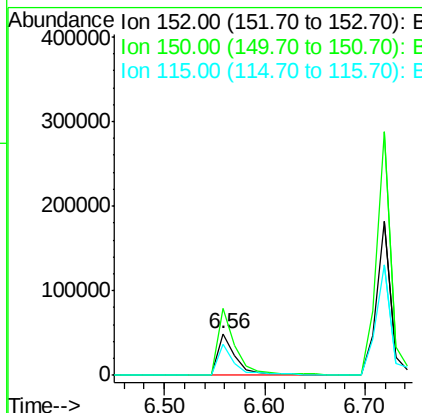
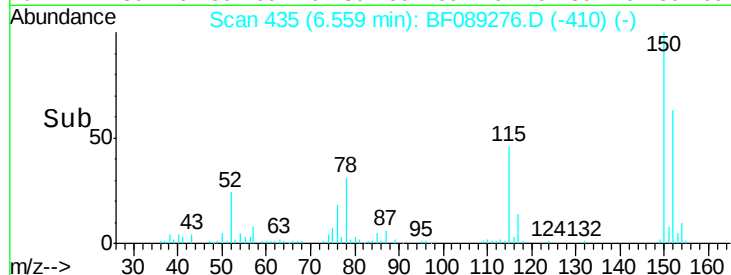
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.56 min Scan# 435
 Delta R.T. -0.01 min
 Lab File: BF089276.D
 Acq: 25 Jul 2016 13:42

Instrument :
 BNA_F
 ClientSampleId :
 KMW-04-0.2-2.0

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	125.1	187.7
115	72.9	51.1	76.7



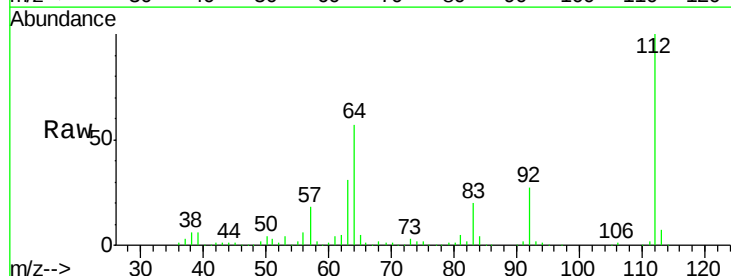
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



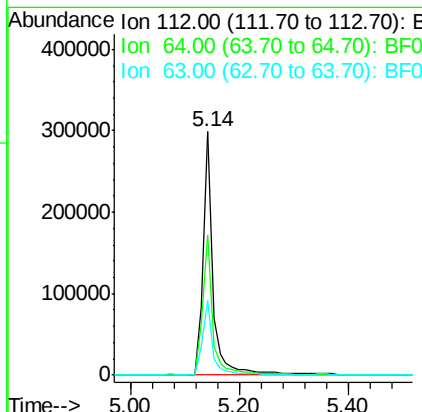
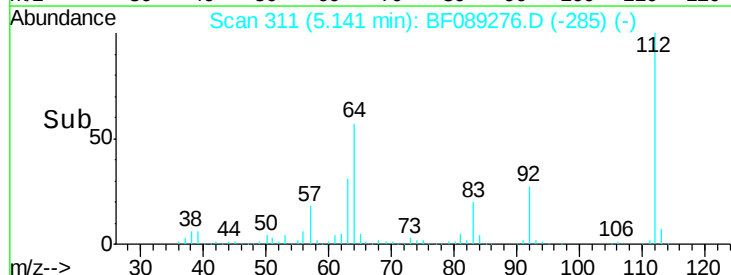
#5

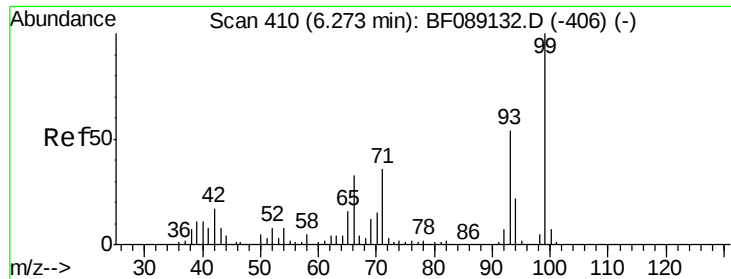
2-Fluorophenol
 Concen: 90.51 ng
 RT: 5.14 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: BF089276.D
 Acq: 25 Jul 2016 13:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	51.0	76.4
63	30.8	27.3	40.9



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: 93.16 ng

RT: 6.23 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF089276.D

Acq: 25 Jul 2016 13:42

Instrument :

BNA_F

ClientSampleId :

KMW-04-0.2-2.0

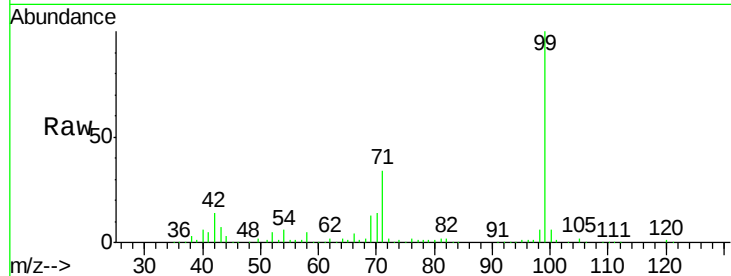
Tot Ion: 99 Resp: 507060

Ion Ratio Lower Upper

99 100

42 14.4 13.5 20.3

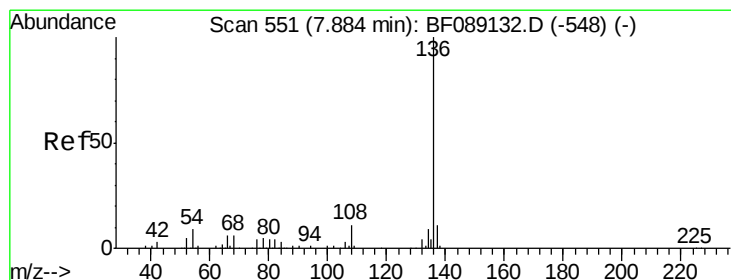
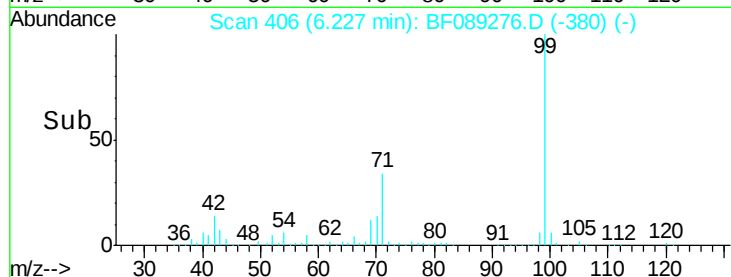
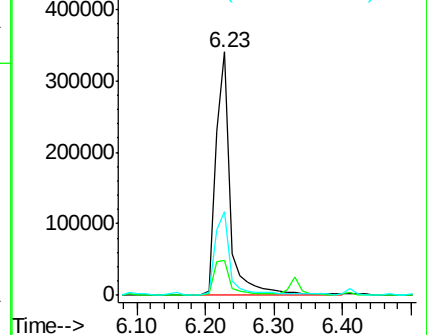
71 34.1 28.9 43.3



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: 7.85 min Scan# 548

Delta R.T. 0.00 min

Lab File: BF089276.D

Acq: 25 Jul 2016 13:42

Tgt Ion: 136 Resp: 254162

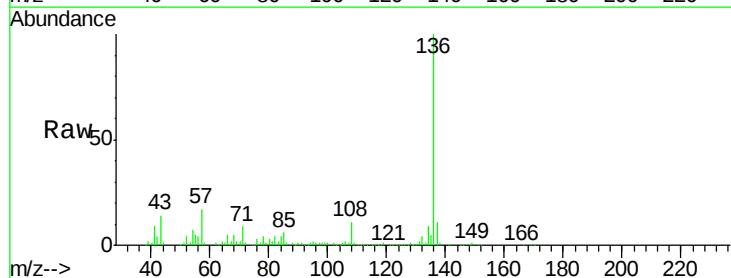
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.8 7.0 10.4#

68 5.2 5.0 7.6

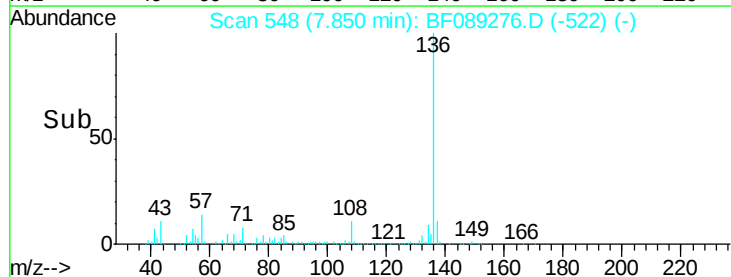
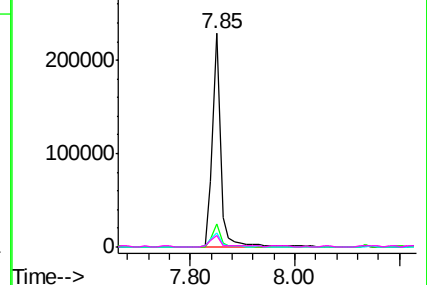


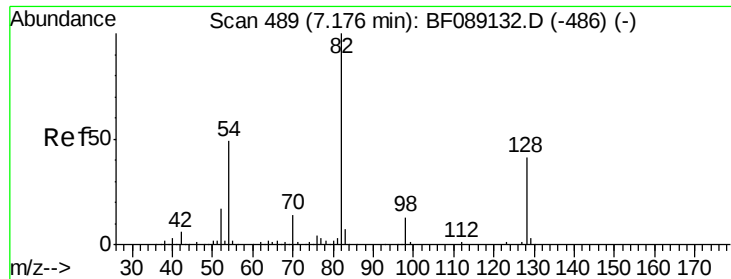
Abundance Ion 136.00 (135.70 to 136.70): E

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

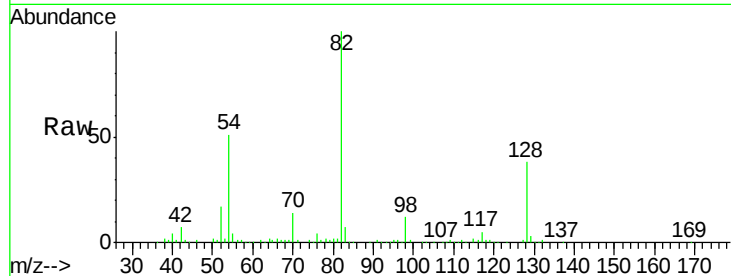




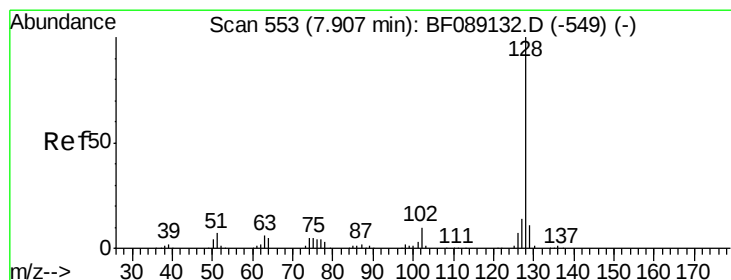
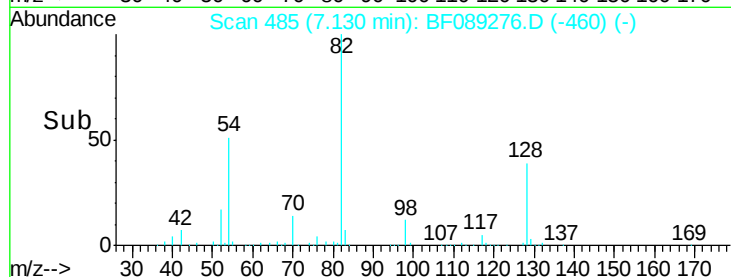
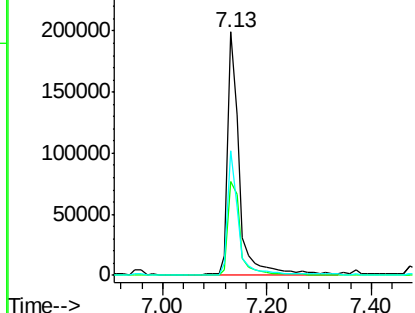
#23
Nitrobenzene-d5
Concen: 64.17 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.01 min
Lab File: BF089276.D
Acq: 25 Jul 2016 13:42

Instrument :
BNA_F
ClientSampleId :
KMW-04-0.2-2.0

Tot Ion: 82 Resp: 306945
Ion Ratio Lower Upper
82 100
128 38.4 33.0 49.6
54 50.9 39.0 58.4

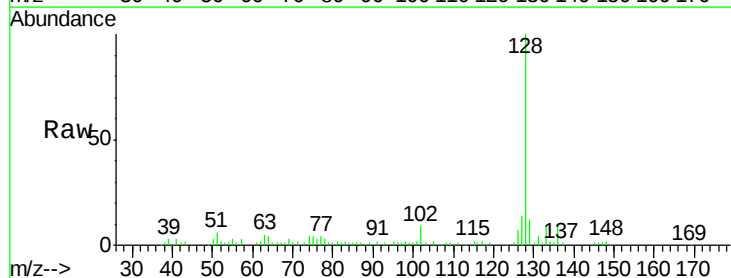


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

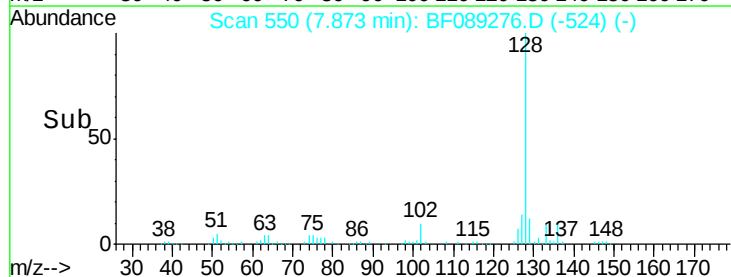
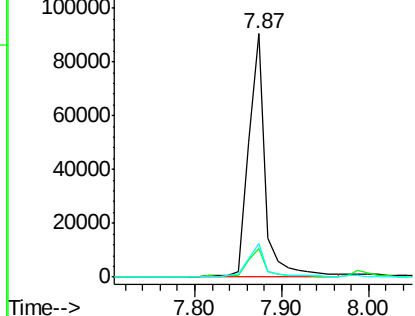


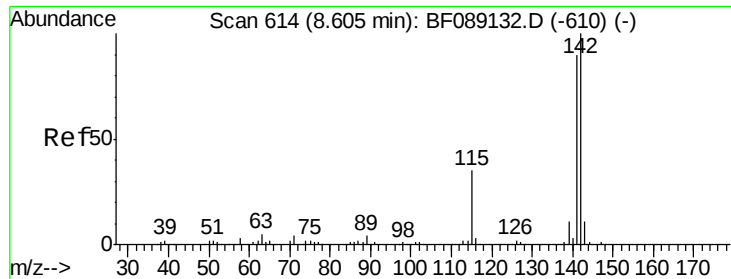
#31
Naphthalene
Concen: 8.80 ng
RT: 7.87 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF089276.D
Acq: 25 Jul 2016 13:42

Tgt Ion: 128 Resp: 120695
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 13.8 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

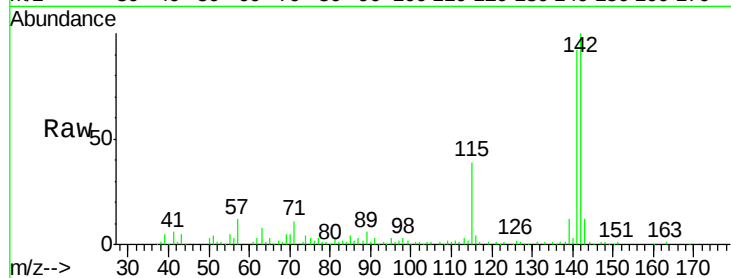




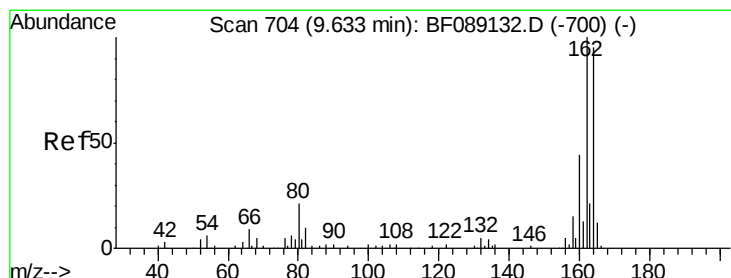
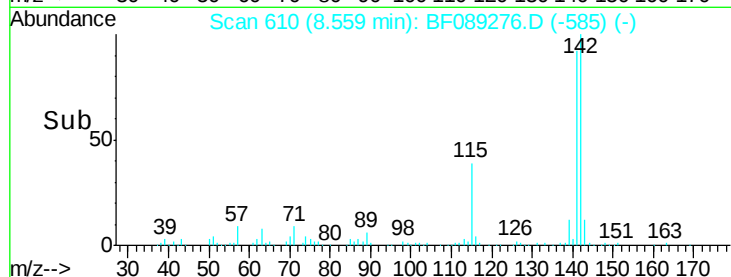
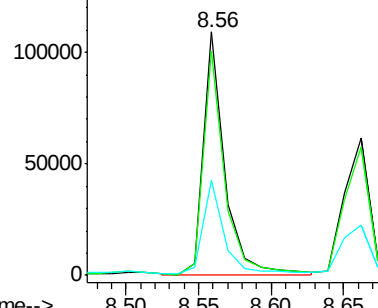
#37
2-Methylnaphthalene
Concen: 12.75 ng
RT: 8.56 min Scan# 610
Delta R.T. -0.01 min
Lab File: BF089276.D
Acq: 25 Jul 2016 13:42

Instrument :
BNA_F
ClientSampleId :
KMW-04-0.2-2.0

Tot Ion:142 Resp: 111575
Ion Ratio Lower Upper
142 100
141 92.0 71.6 107.4
115 39.0 27.6 41.4

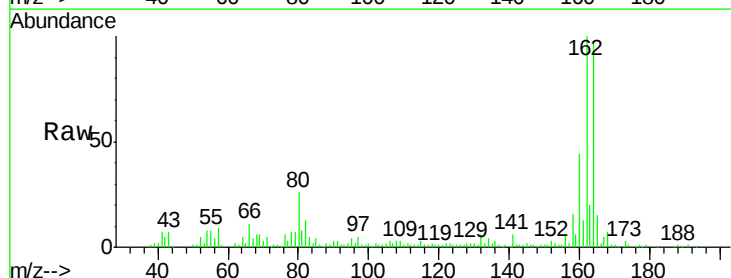


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

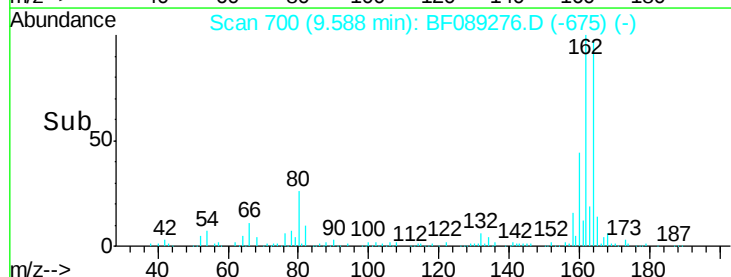
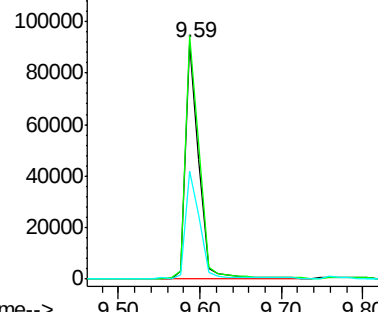


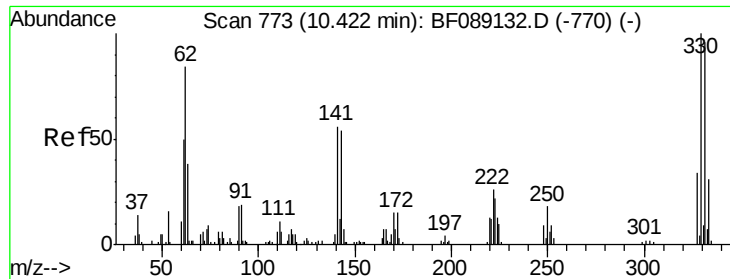
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF089276.D
Acq: 25 Jul 2016 13:42

Tgt Ion:164 Resp: 105999
Ion Ratio Lower Upper
164 100
162 103.2 84.1 126.1
160 45.7 37.1 55.7



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

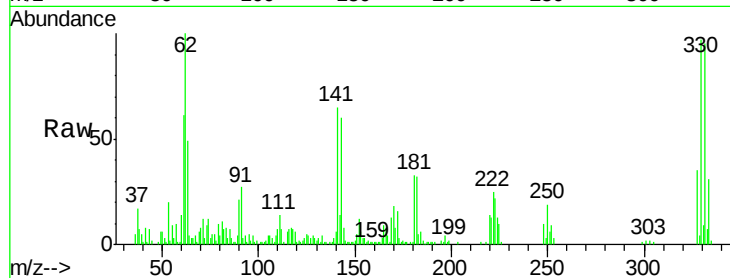




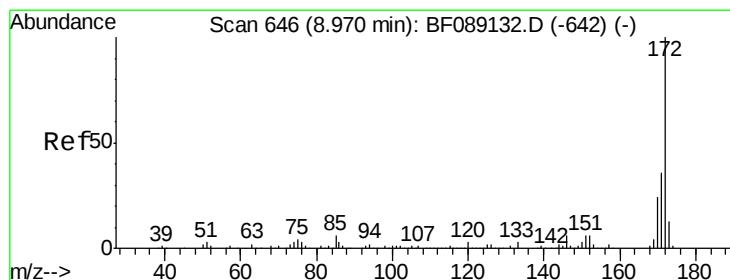
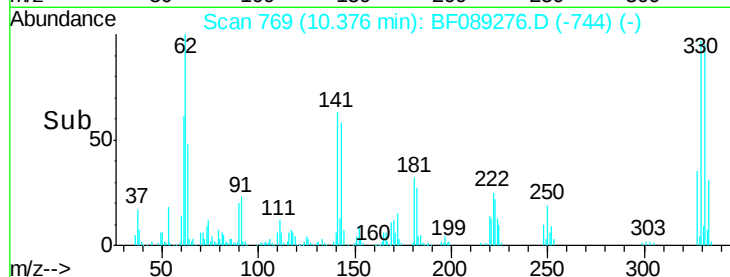
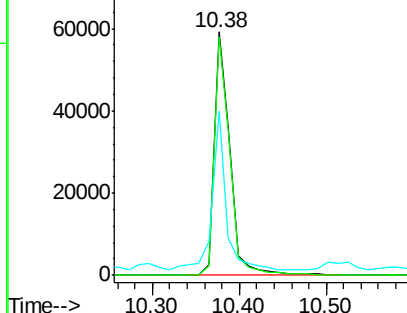
#41
 2,4,6-Tribromophenol
 Concen: 78.79 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BF089276.D
 Acq: 25 Jul 2016 13:42

Instrument :
 BNA_F
 ClientSampleId :
 KMW-04-0.2-2.0

Tot Ion:330 Resp: 75197
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.2 115.8
 141 58.6 42.2 63.2

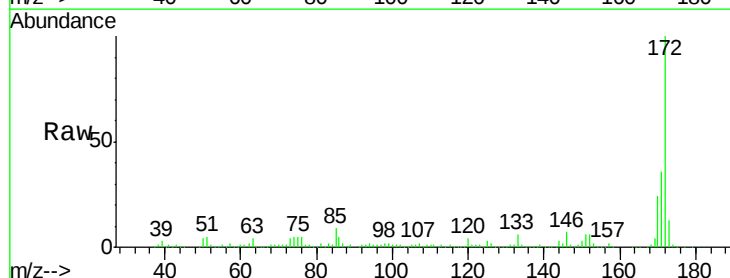


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

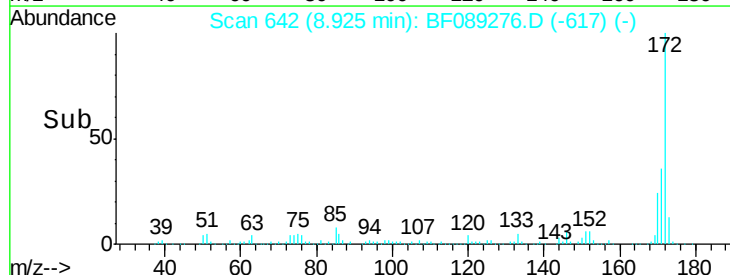
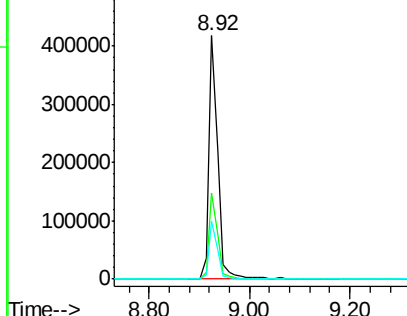


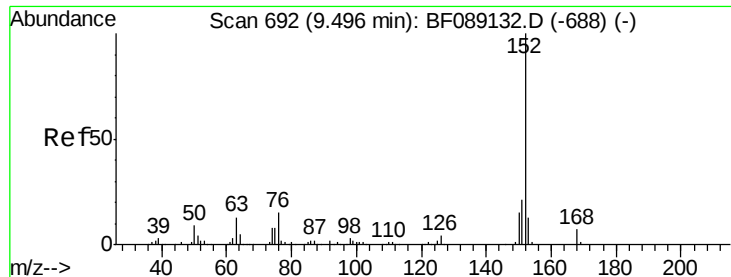
#44
 2-Fluorobiphenyl
 Concen: 66.41 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: BF089276.D
 Acq: 25 Jul 2016 13:42

Tgt Ion:172 Resp: 510903
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.2 43.8
 170 23.8 19.1 28.7



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





#48

Acenaphthylene

Concen: 5.17 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF089276.D

Acq: 25 Jul 2016 13:42

Instrument :

BNA_F

ClientSampleId :

KMW-04-0.2-2.0

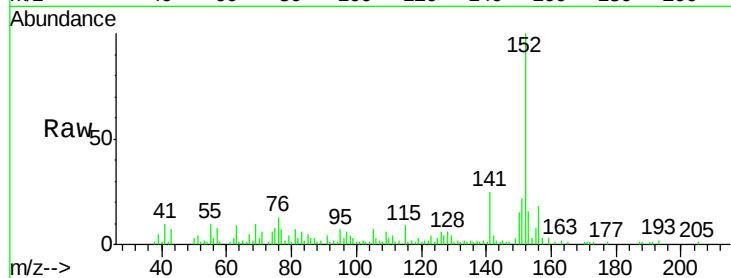
Tot Ion:152 Resp: 58921

Ion Ratio Lower Upper

152 100

151 21.9 16.5 24.7

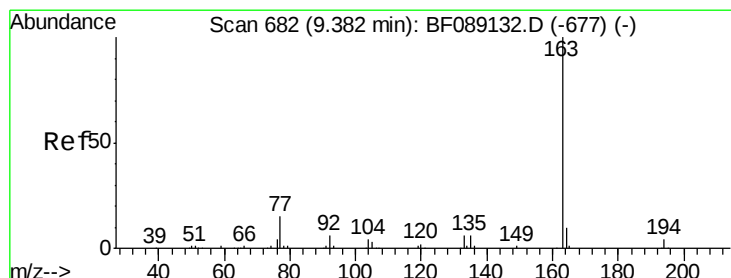
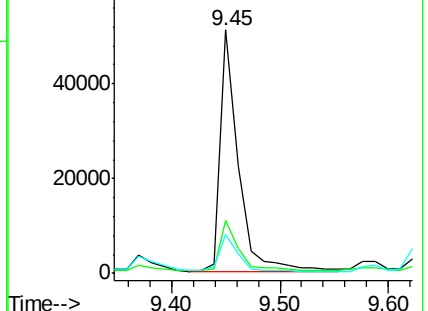
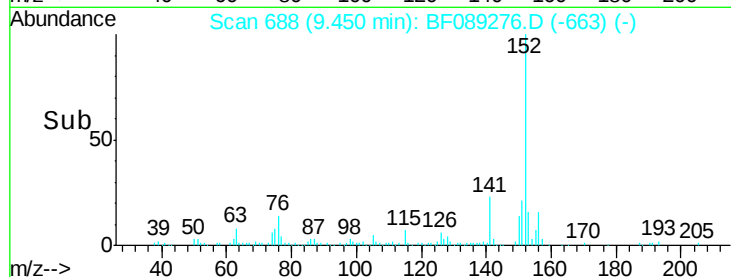
153 16.1 10.7 16.1#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 18.30 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.02 min

Lab File: BF089276.D

Acq: 25 Jul 2016 13:42

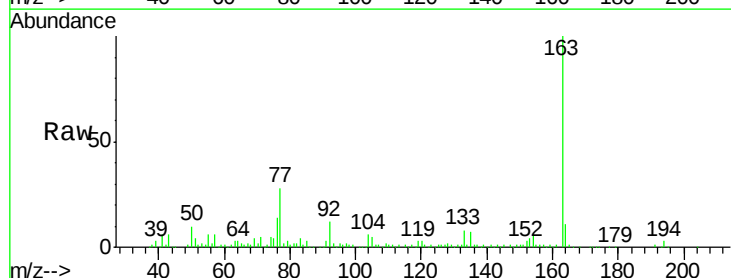
Tgt Ion:163 Resp: 148887

Ion Ratio Lower Upper

163 100

194 3.1 2.9 4.3

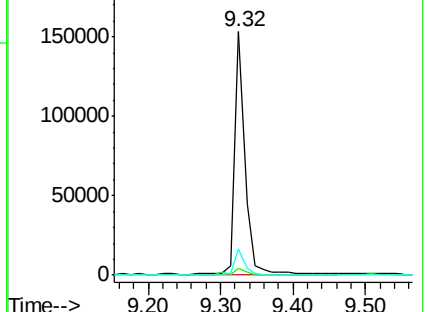
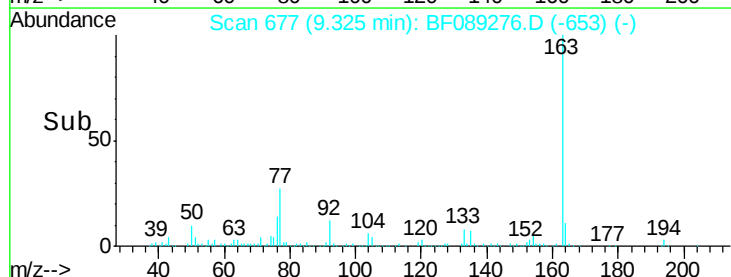
164 10.7 7.6 11.4

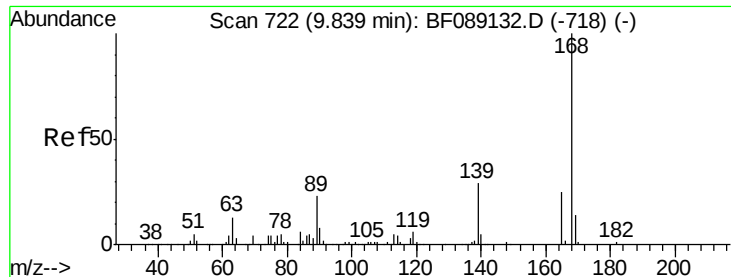


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

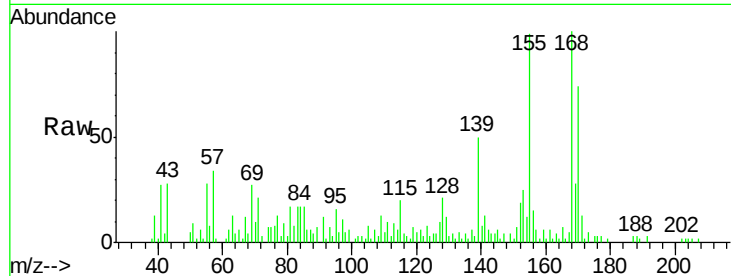




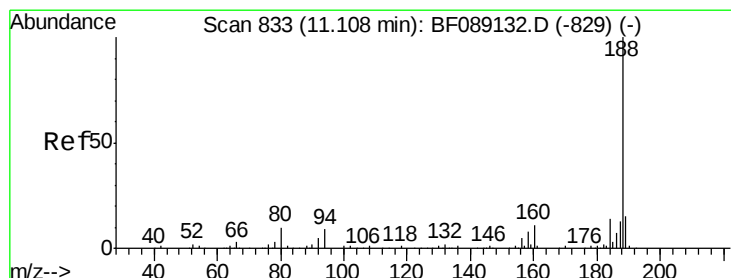
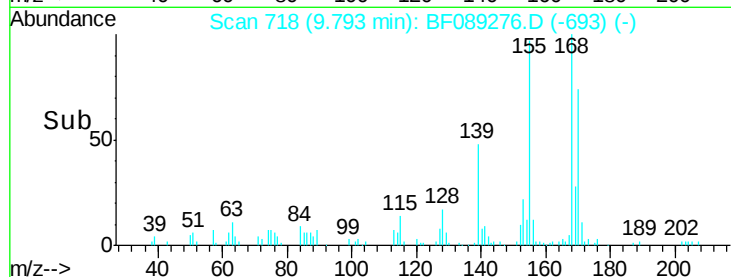
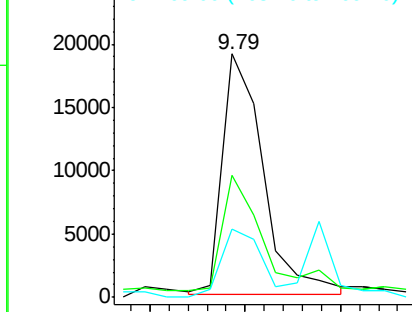
#54
Dibenzenofuran
Concen: 3.10 ng/ml
RT: 9.79 min Scan# 718
Delta R.T. -0.01 min
Lab File: BF089276.D
Acq: 25 Jul 2016 13:42

Instrument :
BNA_F
ClientSampleId :
KMW-04-0.2-2.0

Tot Ion:168 Resp: 28218
Ion Ratio Lower Upper
168 100
139 50.2 34.4 51.6
169 28.1 10.8 16.2#

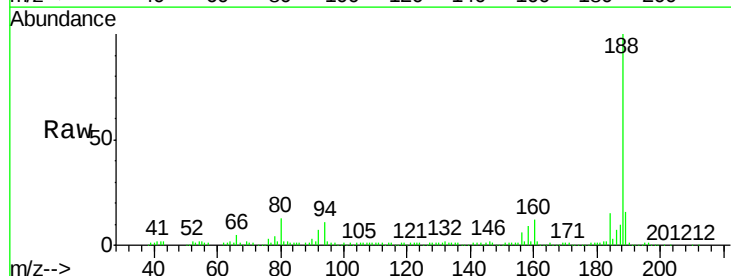


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

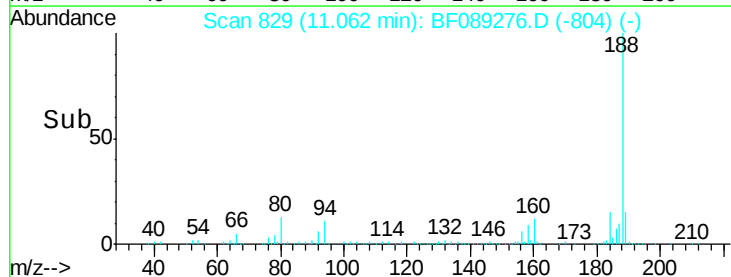
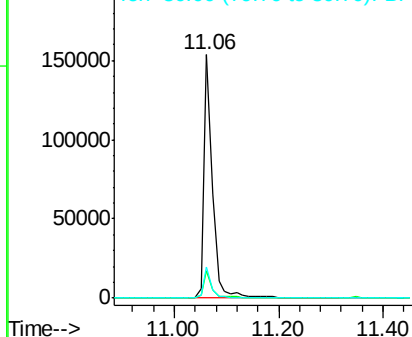


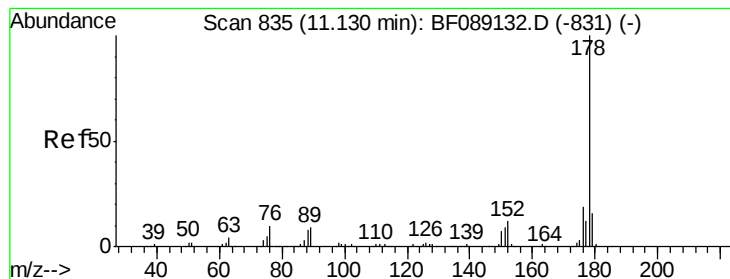
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF089276.D
Acq: 25 Jul 2016 13:42

Tgt Ion:188 Resp: 176861
Ion Ratio Lower Upper
188 100
94 11.3 7.0 10.4#
80 13.0 7.7 11.5#



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: 13.14 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF089276.D

Acq: 25 Jul 2016 13:42

Instrument :

BNA_F

ClientSampleId :

KMW-04-0.2-2.0

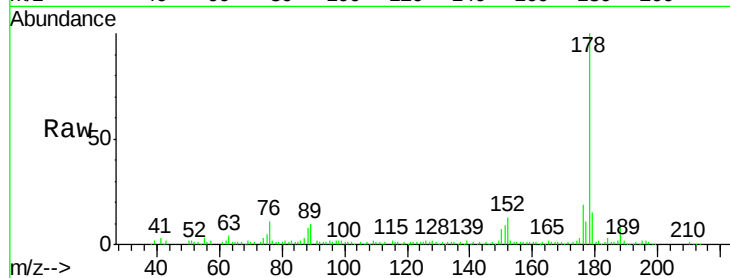
Tot Ion:178 Resp: 127484

Ion Ratio Lower Upper

178 100

176 18.6 15.6 23.4

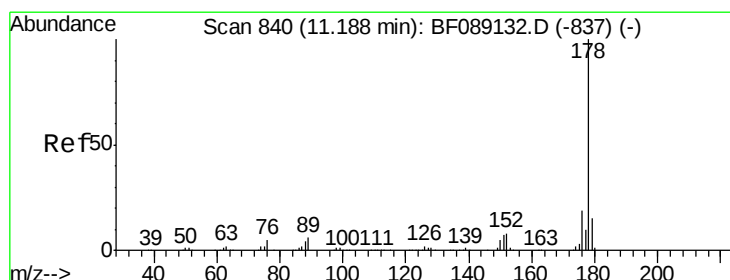
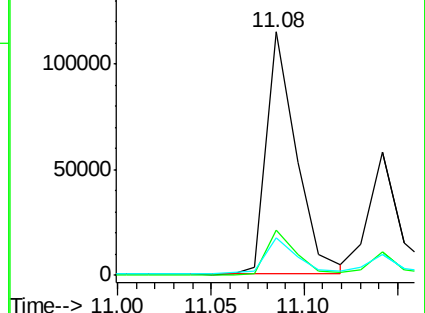
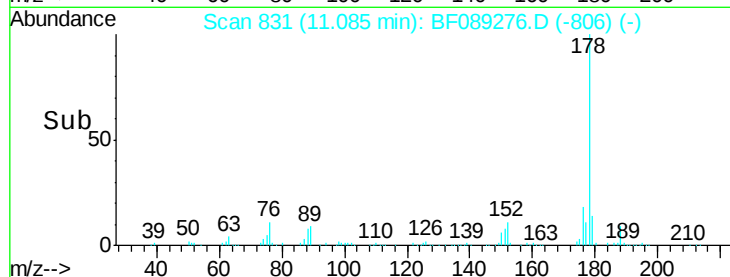
179 15.4 12.4 18.6



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: 6.33 ng

RT: 11.14 min Scan# 836

Delta R.T. 0.00 min

Lab File: BF089276.D

Acq: 25 Jul 2016 13:42

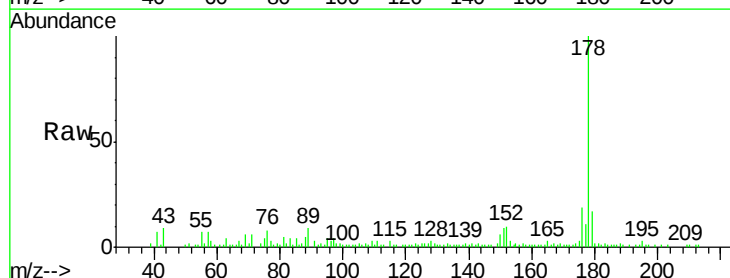
Tgt Ion:178 Resp: 63800

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

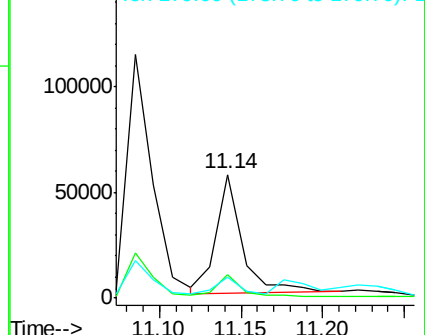
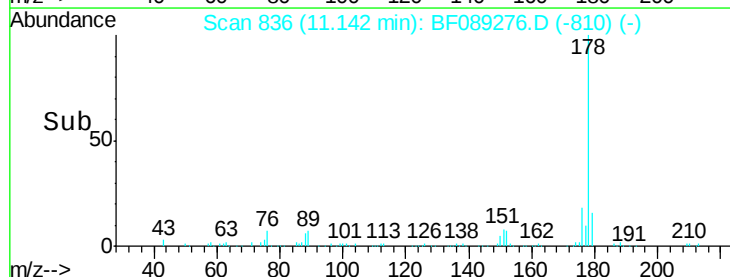
179 17.3 12.0 18.0

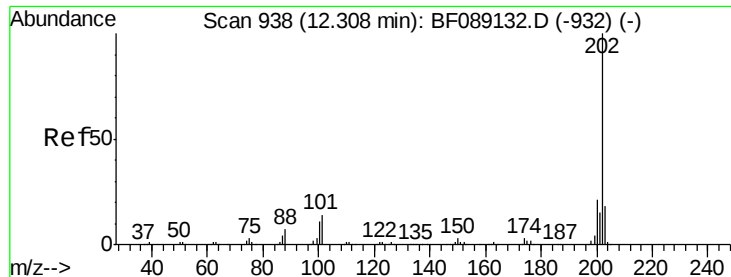


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

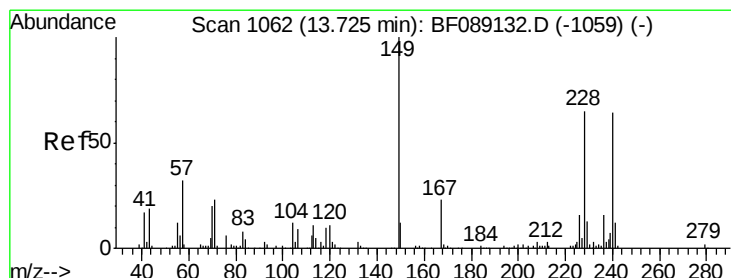
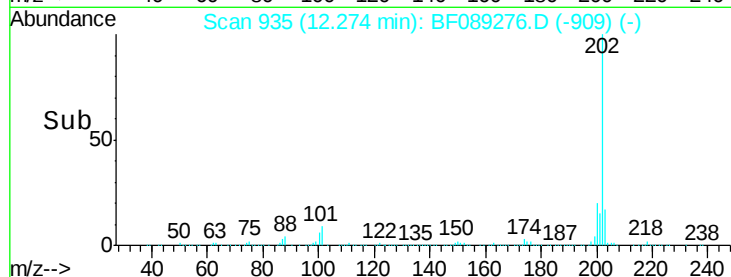
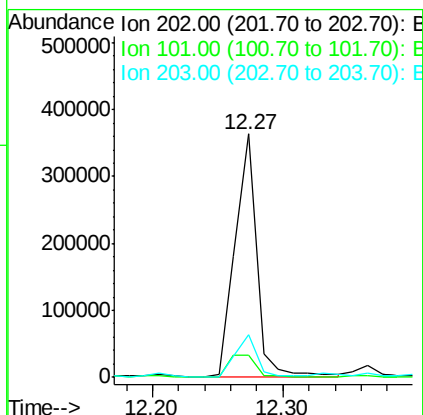
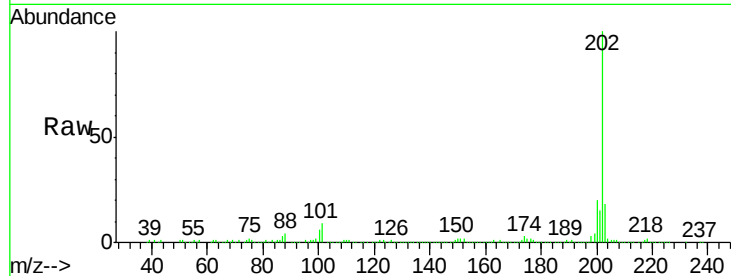




#74
Fluoranthene
Concen: 40.75 ng
RT: 12.27 min Scan# 935
Delta R.T. 0.00 min
Lab File: BF089276.D
Acq: 25 Jul 2016 13:42

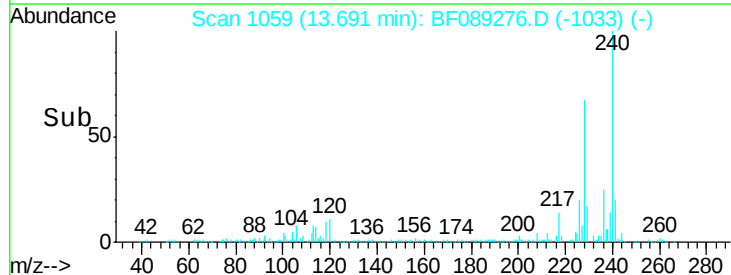
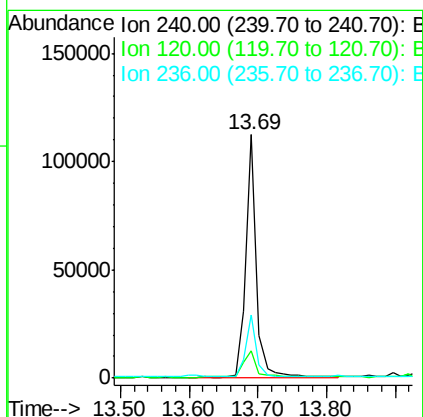
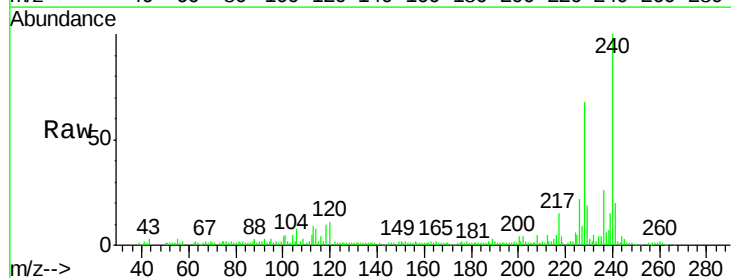
Instrument :
BNA_F
ClientSampleId :
KMW-04-0.2-2.0

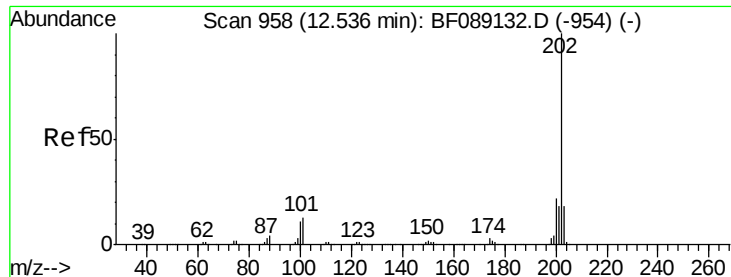
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	34.0
203	17.6	0.0	37.8



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.69 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BF089276.D
Acq: 25 Jul 2016 13:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.0	13.6	20.4#
236	25.7	20.5	30.7





#77

Pvrene

Concen: 37.64 ng

RT: 12.49 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF089276.D

Acq: 25 Jul 2016 13:42

Instrument :

BNA_F

ClientSampleId :

KMW-04-0.2-2.0

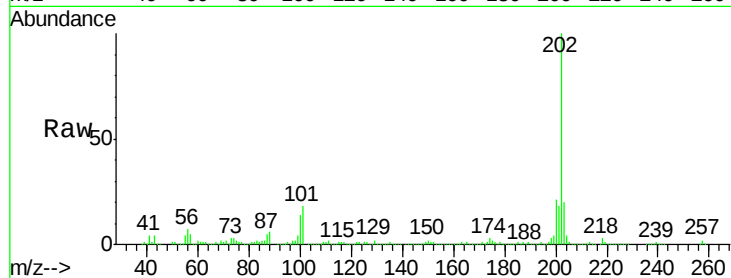
Tot Ion:202 Resp: 374798

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.0

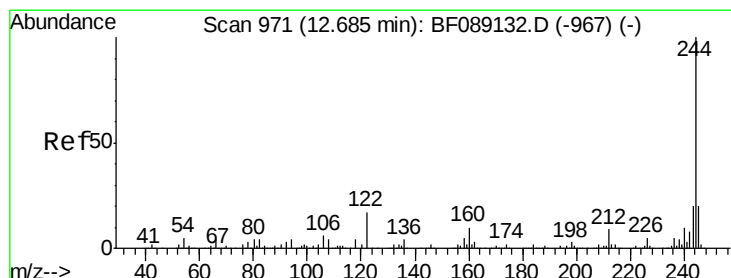
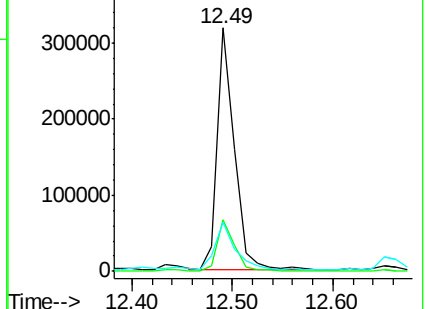
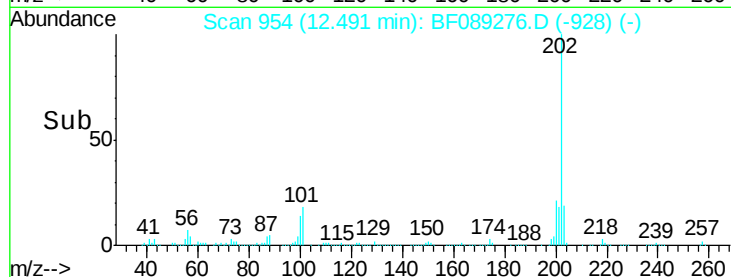
203 20.0 14.2 21.2



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: 61.12 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF089276.D

Acq: 25 Jul 2016 13:42

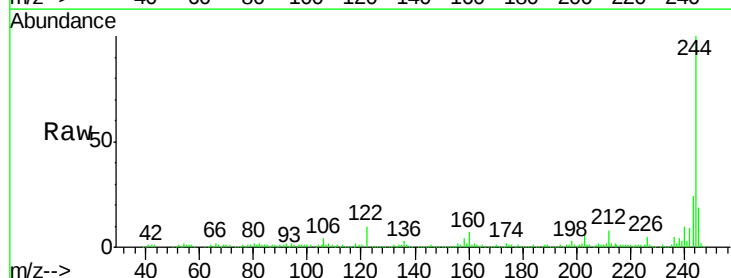
Tgt Ion:244 Resp: 339701

Ion Ratio Lower Upper

244 100

212 7.6 7.0 10.4

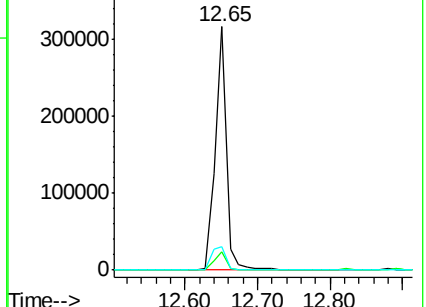
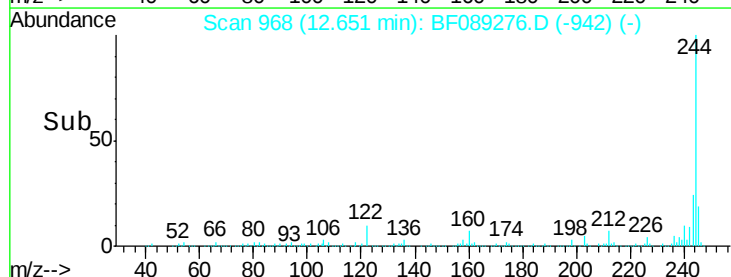
122 9.7 13.8 20.8#

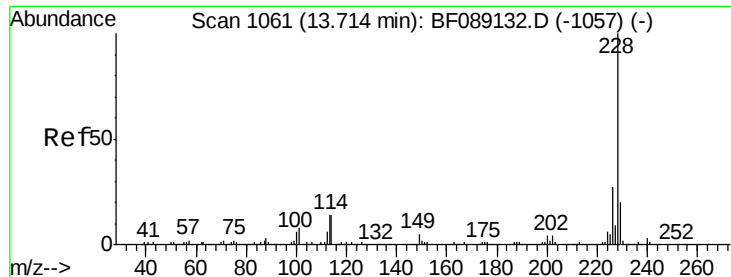


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 41.79 ng

RT: 13.68 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BF089276.D

Acq: 25 Jul 2016 13:42

Instrument :

BNA_F

ClientSampleId :

KMW-04-0.2-2.0

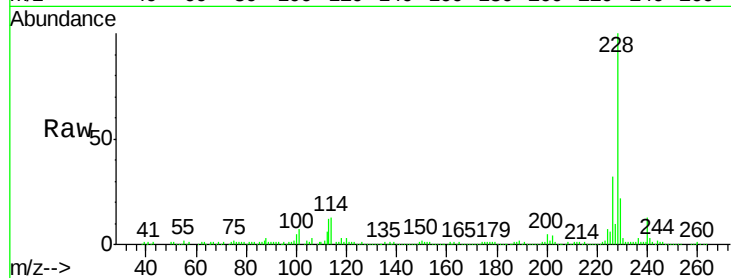
Tot Ion:228 Resp: 320866

Ion Ratio Lower Upper

228 100

226 31.5 21.8 32.8

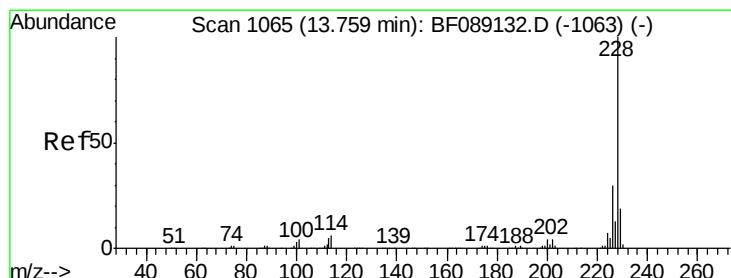
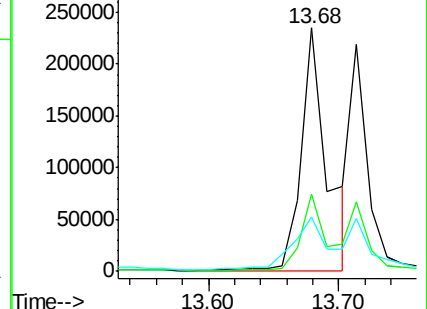
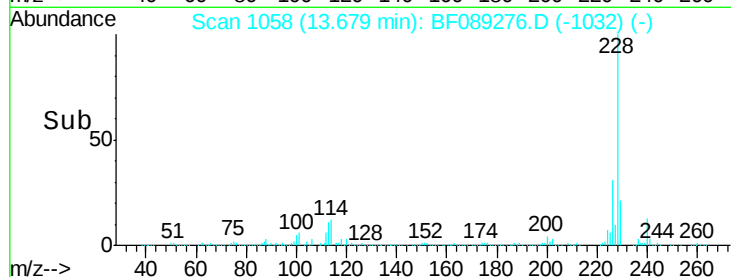
229 22.1 15.8 23.8



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: 29.16 ng m

RT: 13.71 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BF089276.D

Acq: 25 Jul 2016 13:42

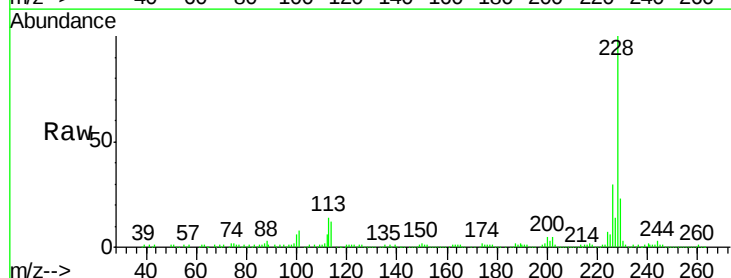
Tgt Ion:228 Resp: 213896

Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.8

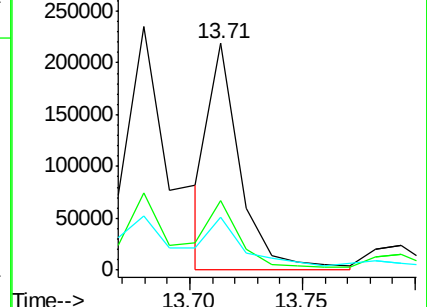
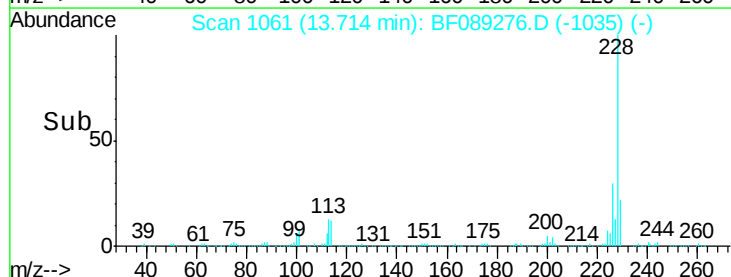
229 23.4 15.4 23.0#

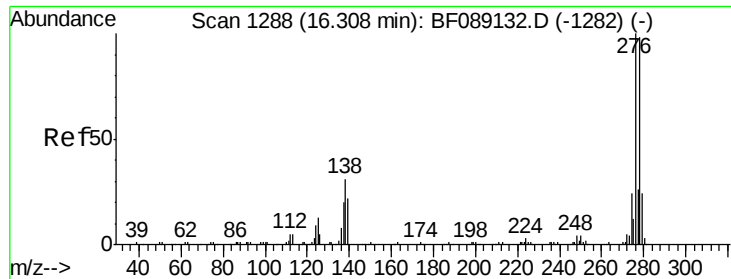


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

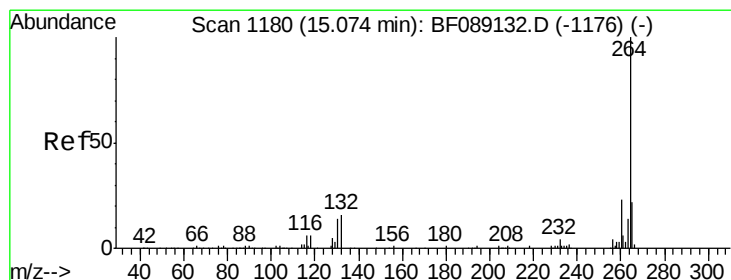
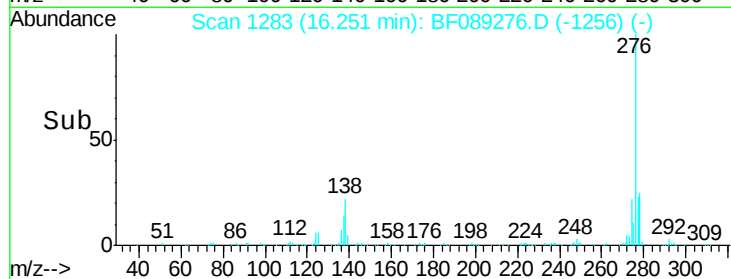
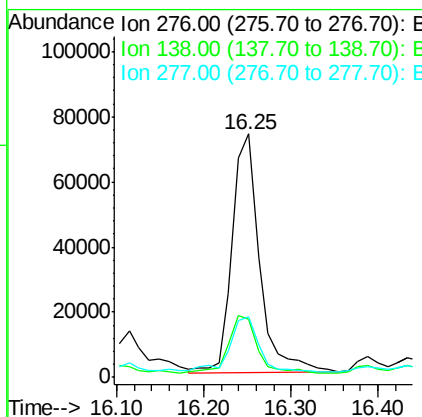
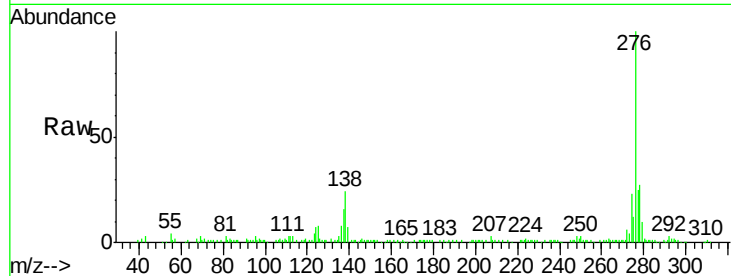




#85
Indeno(1,2,3-cd)pyrene
Concen: 30.02 ng
RT: 16.25 min Scan# 1283
Delta R.T. 0.01 min
Lab File: BF089276.D
Acq: 25 Jul 2016 13:42

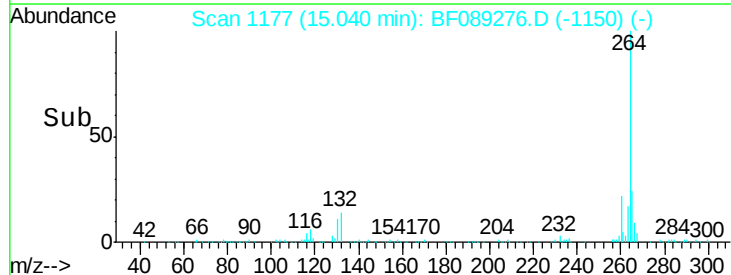
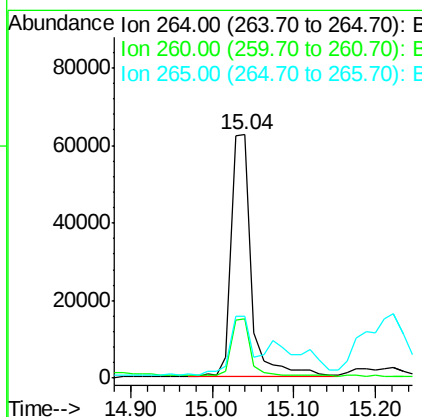
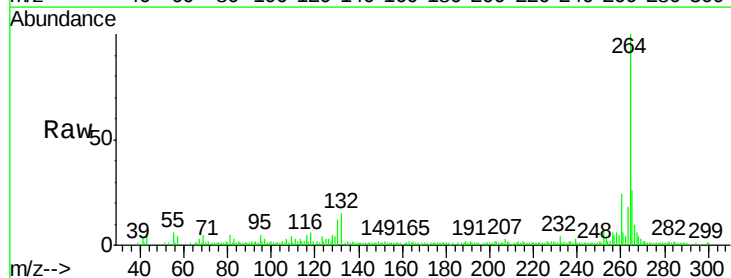
Instrument :
BNA_F
ClientSampleId :
KMW-04-0.2-2.0

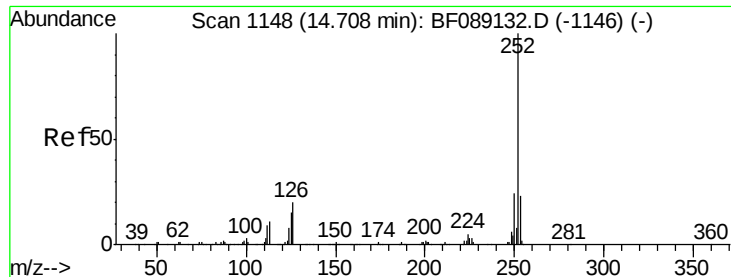
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.6	23.7	35.5
277	24.2	20.6	31.0



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1177
Delta R.T. 0.01 min
Lab File: BF089276.D
Acq: 25 Jul 2016 13:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.5	27.7
265	25.6	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 50.31 ng m

RT: 14.69 min Scan# 1146

Delta R.T. 0.01 min

Lab File: BF089276.D

Acq: 25 Jul 2016 13:42

Instrument :

BNA_F

ClientSampleId :

KMW-04-0.2-2.0

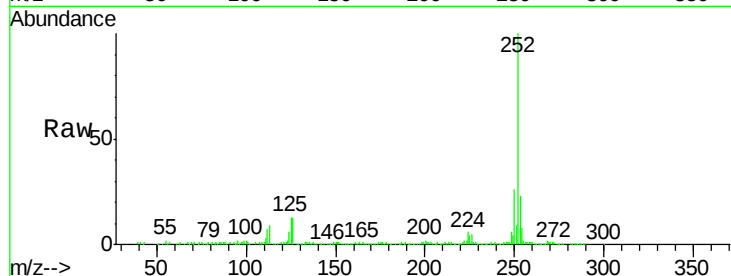
Tot Ion:252 Resp: 394853

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

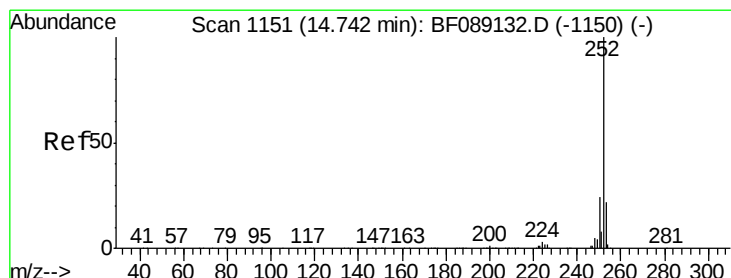
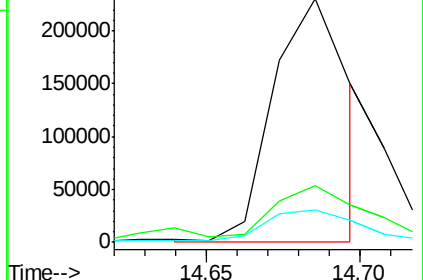
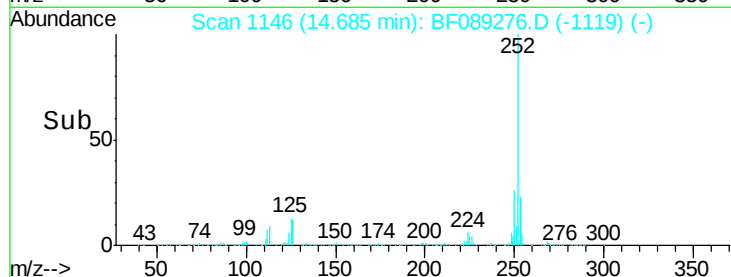
125 13.4 11.9 17.9



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: 14.53 ng m

RT: 14.70 min Scan# 1147

Delta R.T. 0.00 min

Lab File: BF089276.D

Acq: 25 Jul 2016 13:42

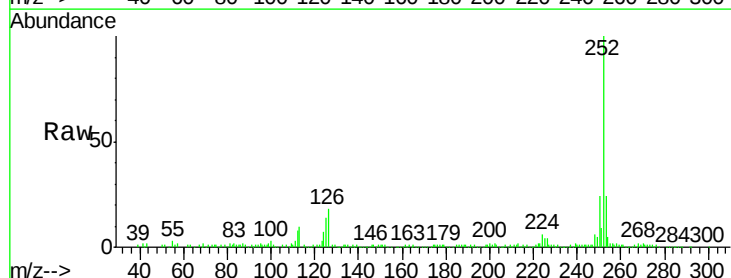
Tgt Ion:252 Resp: 81528

Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

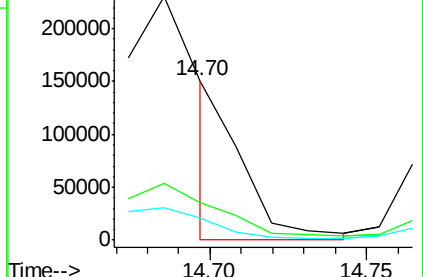
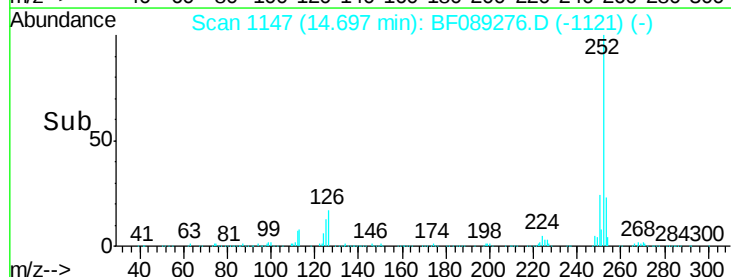
125 14.2 6.3 9.5#

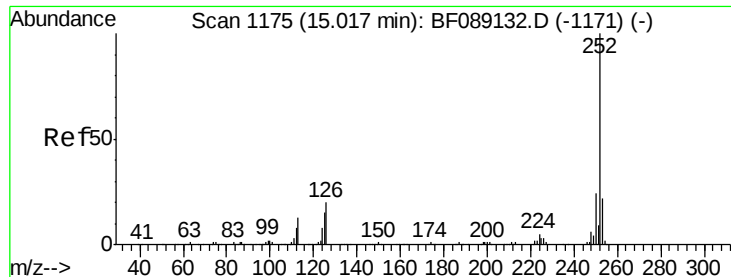


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

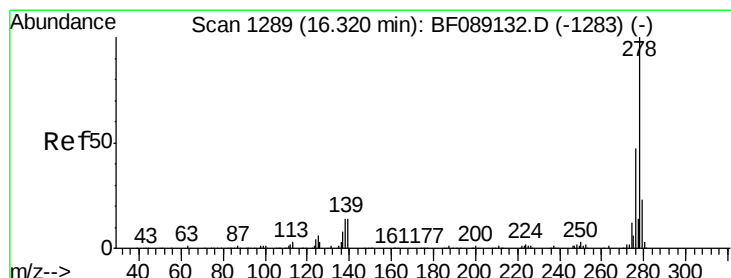
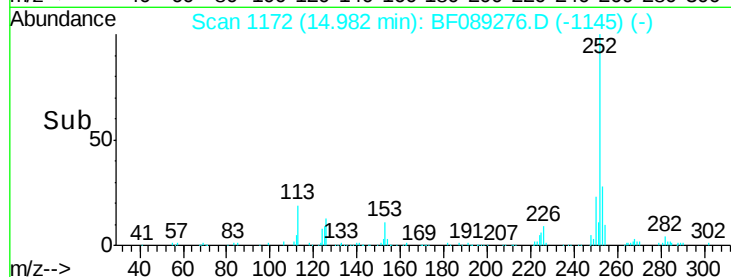
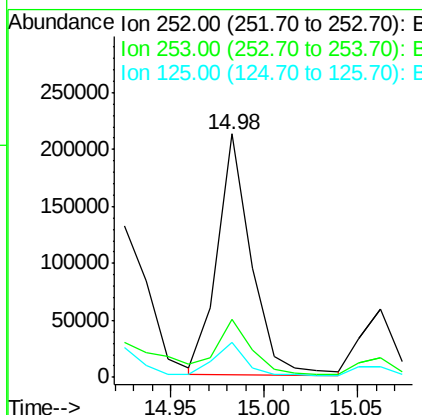
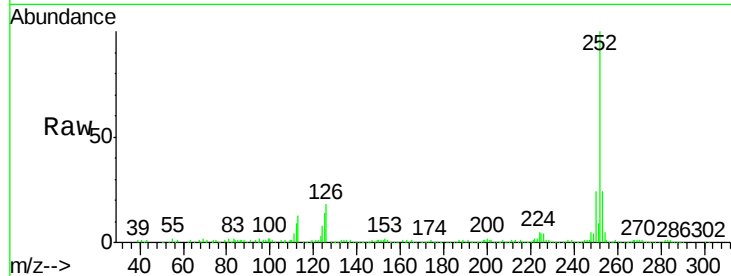




#89
Benzo(a)pyrene
Concen: 44.24 ng
RT: 14.98 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BF089276.D
Acq: 25 Jul 2016 13:42

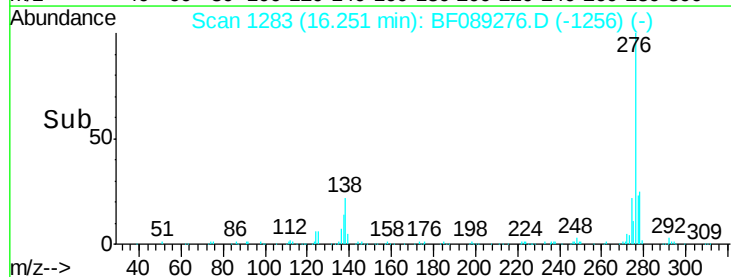
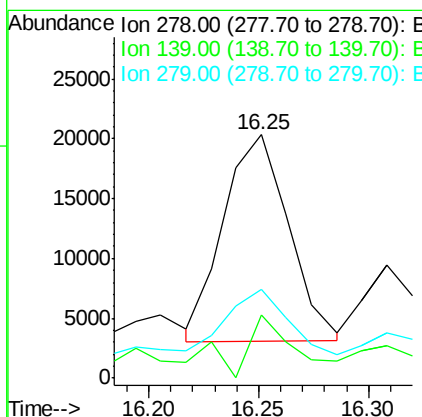
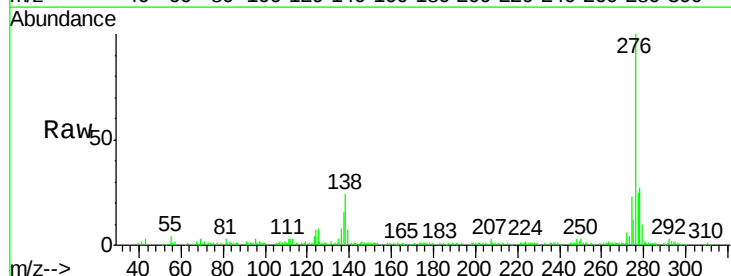
Instrument :
BNA_F
ClientSampleId :
KMW-04-0.2-2.0

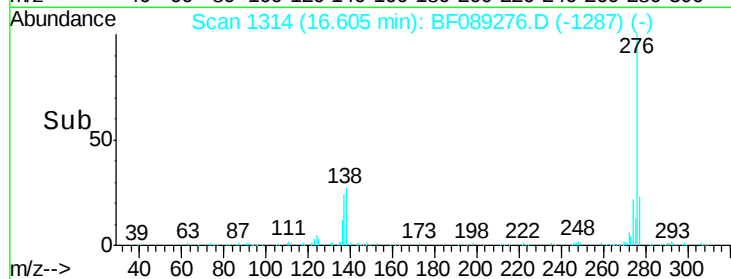
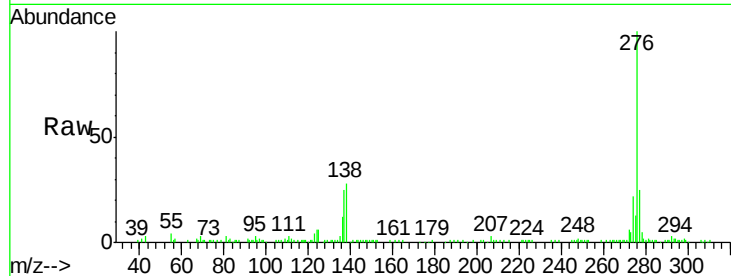
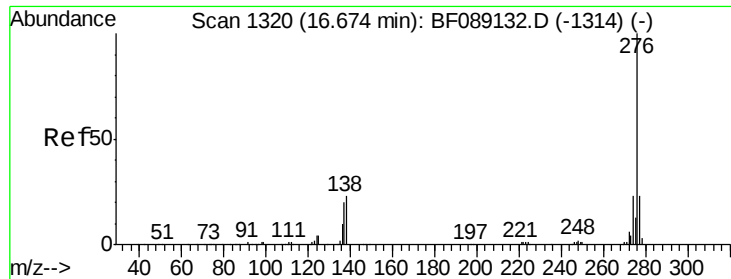
Tot Ion:252 Resp: 269539
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 14.4 12.4 18.6



#90
Dibenzo(a,h)anthracene
Concen: 7.46 ng m
RT: 16.25 min Scan# 1283
Delta R.T. 0.01 min
Lab File: BF089276.D
Acq: 25 Jul 2016 13:42

Tgt Ion:278 Resp: 35902
Ion Ratio Lower Upper
278 100
139 25.8 11.4 17.2#
279 36.2 18.4 27.6#





#91

Benzo(a,h,i)perylene

Concen: 30.24 ng

RT: 16.61 min Scan# 1314

Delta R.T. 0.01 min

Lab File: BF089276.D

Acq: 25 Jul 2016 13:42

Instrument :

BNA_F

ClientSampleId :

KMW-04-0.2-2.0

Tot Ion:276 Resp: 146694

Ion Ratio Lower Upper

276 100

277 24.6 18.5 27.7

138 27.7 18.5 27.7

