

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090215\
 Data File : BF081375.D
 Acq On : 3 Sep 2015 4:59
 Operator : UM/IZ
 Sample : G3491-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-004-ABCD

Quant Time: Sep 03 05:24:28 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 17:35:35 2015
 Response via : Initial Calibration

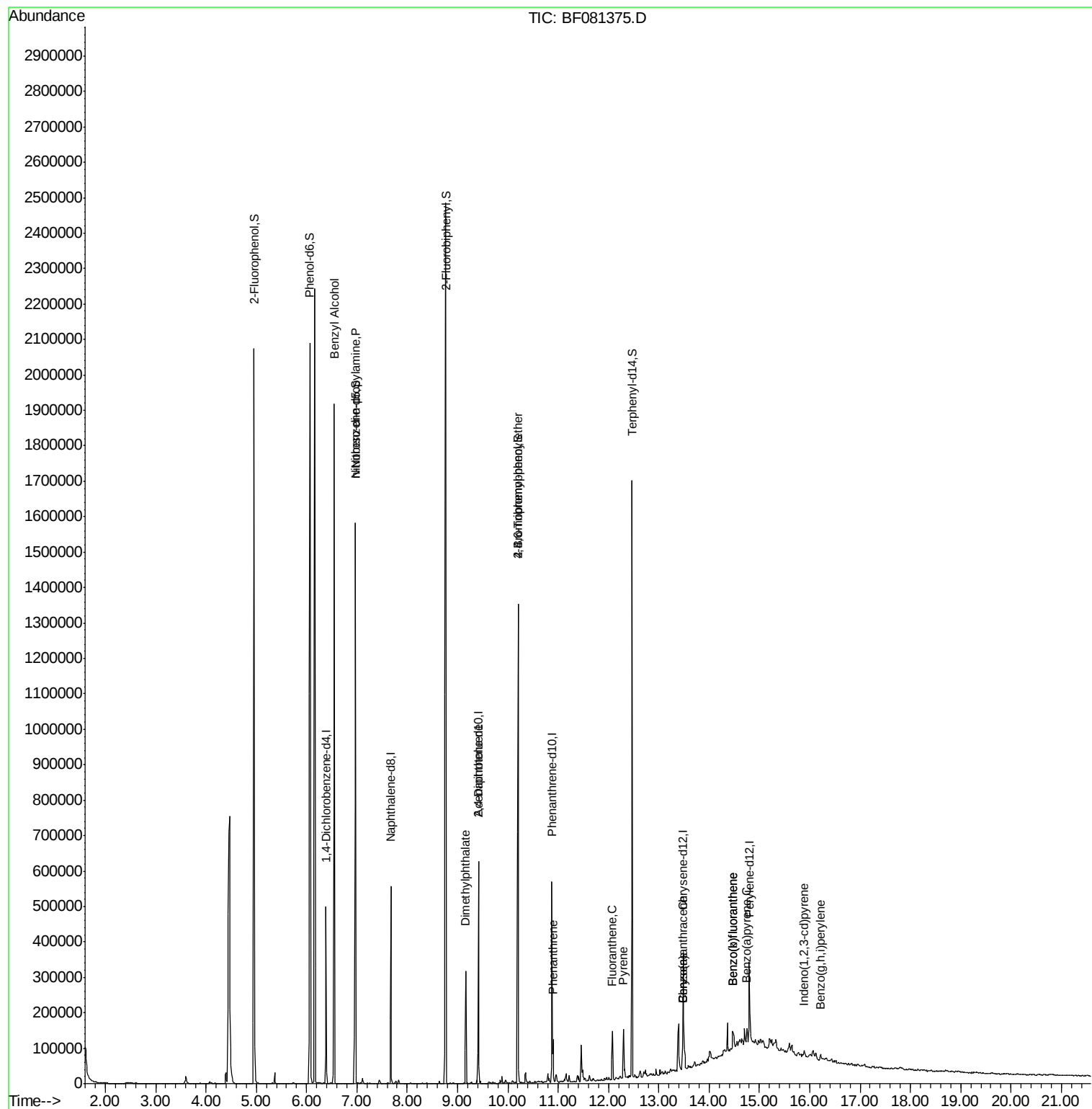
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	65401	20.00	ng	0.00
21) Naphthalene-d8	7.68	136	244869	20.00	ng	0.00
38) Acenaphthene-d10	9.42	164	111294	20.00	ng	0.00
63) Phenanthrene-d10	10.88	188	188685	20.00	ng	0.00
75) Chrysene-d12	13.49	240	106160	20.00	ng	-0.01
86) Perylene-d12	14.80	264	87873	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.96	112	653865	155.12	ng	0.03
7) Phenol-d6	6.07	99	780072	139.81	ng	0.01
23) Nitrobenzene-d5	6.97	82	579594	114.20	ng	0.00
41) 2,4,6-Tribromophenol	10.20	330	141832	143.13	ng	0.00
44) 2-Fluorobiphenyl	8.76	172	845454	97.35	ng	0.00
78) Terphenyl-d14	12.47	244	484103	106.15	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	6.55	79	9214	2.01	ng	# 31
19) n-Nitroso-di-n-propylamine	6.97	70	81007	21.33	ng	# 61
49) Dimethylphthalate	9.16	163	126145	14.59	ng	# 96
56) 2,4-Dinitrotoluene	9.42	165	14121	5.65	ng	# 33
66) 4-Bromophenyl-phenylether	10.20	248	10987	5.76	ng	# 1
70) Phenanthrene	10.90	178	41813	3.99	ng	97
74) Fluoranthene	12.08	202	62066	5.47	ng	87
77) Pyrene	12.30	202	52355	6.66	ng	97
80) Benzo(a)anthracene	13.47	228	23688	3.50	ng	93
82) Chrysene	13.47	228	23688	3.91	ng	95
85) Indeno(1,2,3-cd)pyrene	15.89	276	10363	2.33	ng	# 93
87) Benzo(b)fluoranthene	14.47	252	33344	5.31	ng	# 94
88) Benzo(k)fluoranthene	14.47	252	33344	6.41	ng	94
89) Benzo(a)pyrene	14.75	252	16731	3.15	ng	# 88
91) Benzo(a,h,i)perylene	16.22	276	9548	2.44	ng	# 79

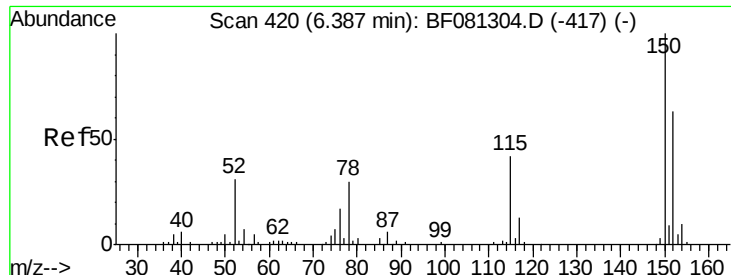
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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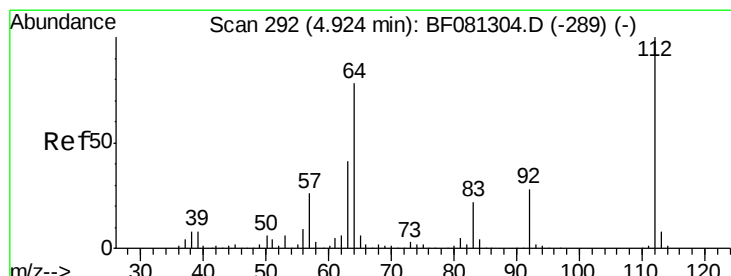
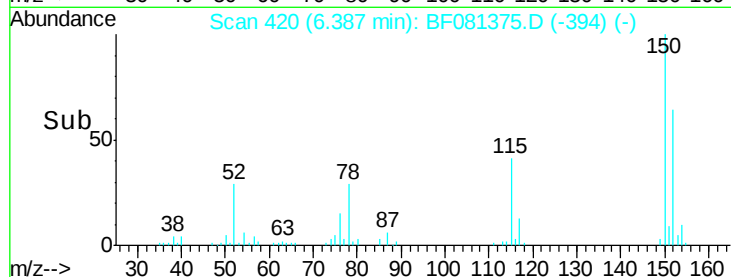
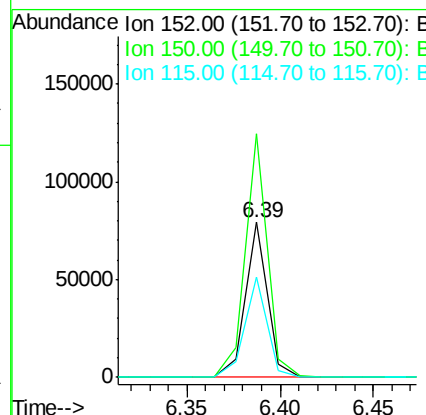
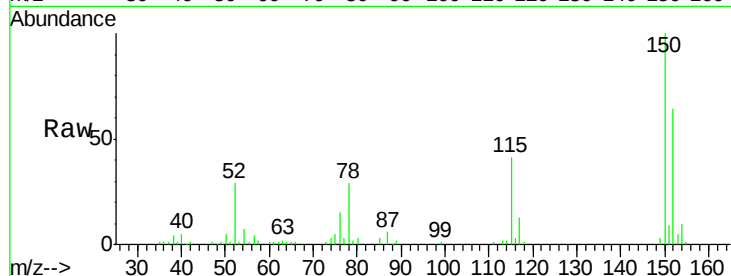




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.39 min Scan# 420
 Delta R.T. 0.00 min
 Lab File: BF081375.D
 Acq: 3 Sep 2015 4:59

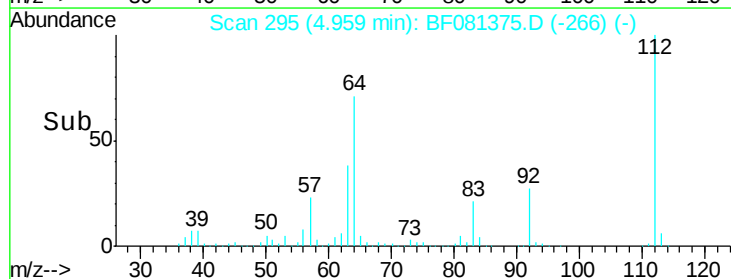
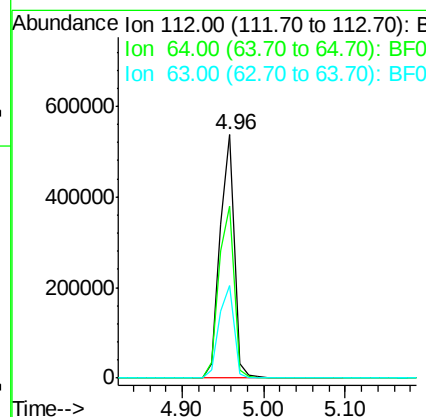
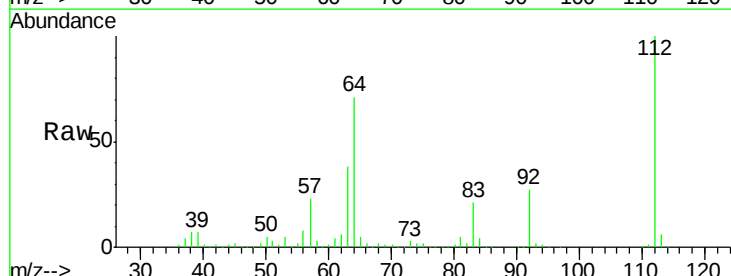
Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-004-ABCD

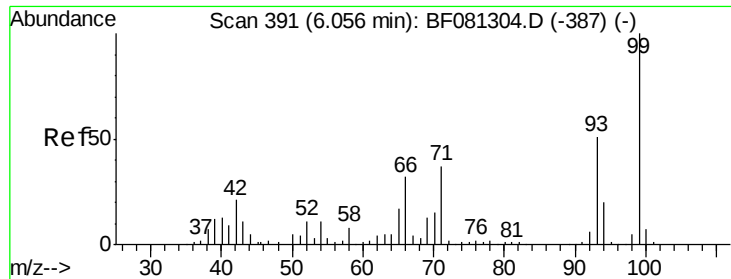
Tot Ion:152 Resp: 65401
 Ion Ratio Lower Upper
 152 100
 150 157.2 124.7 187.1
 115 64.6 39.0 58.4#



#5
 2-Fluorophenol
 Concen: 155.12 ng
 RT: 4.96 min Scan# 295
 Delta R.T. 0.03 min
 Lab File: BF081375.D
 Acq: 3 Sep 2015 4:59

Tgt Ion:112 Resp: 653865
 Ion Ratio Lower Upper
 112 100
 64 70.7 39.7 59.5#
 63 37.9 17.4 26.0#





#7

Phenol-d6

Concen: 139.81 ng

RT: 6.07 min Scan# 392

Delta R.T. 0.01 min

Lab File: BF081375.D

Acq: 3 Sep 2015 4:59

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-004-ABCD

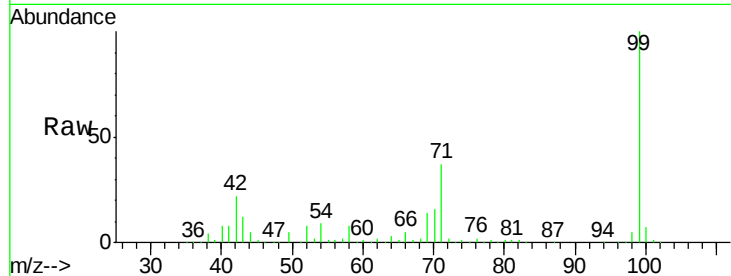
Tot Ion: 99 Resp: 780072

Ion Ratio Lower Upper

99 100

42 22.0 13.7 20.5#

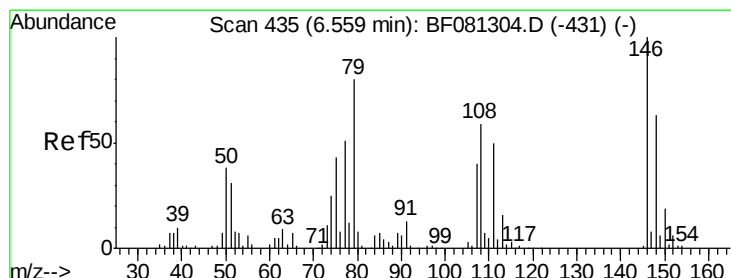
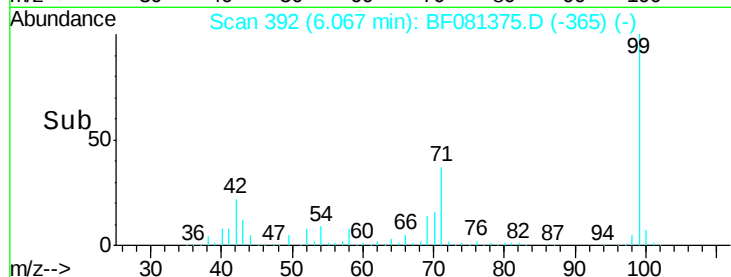
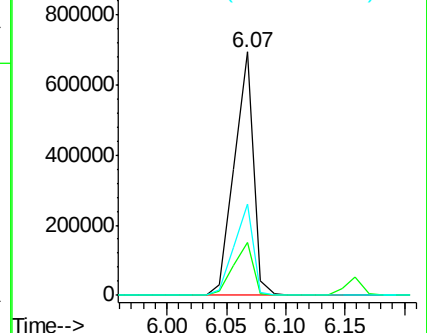
71 37.3 14.2 21.2#



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



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 6.55 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF081375.D

Acq: 3 Sep 2015 4:59

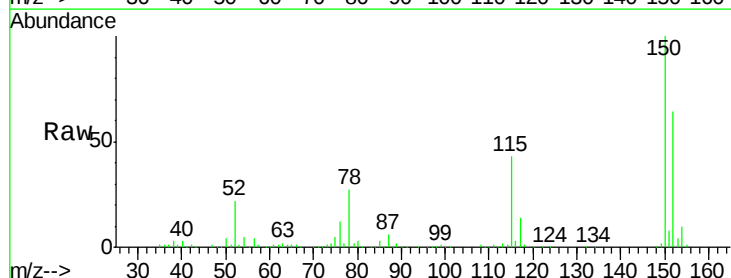
Tgt Ion: 79 Resp: 9214

Ion Ratio Lower Upper

79 100

108 31.4 88.6 132.8#

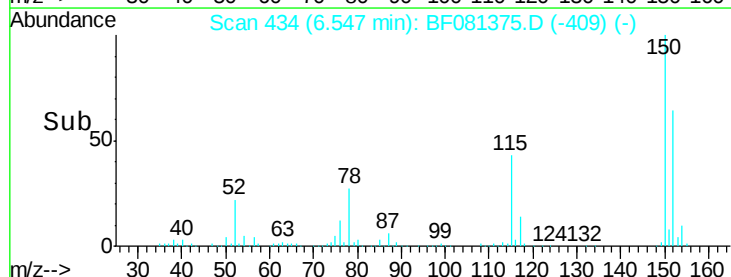
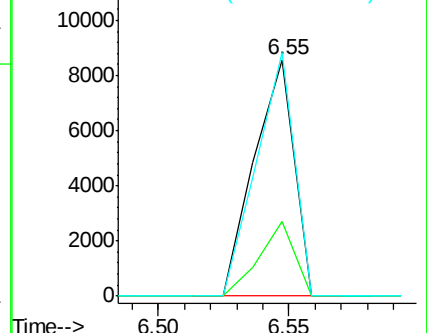
77 102.9 47.0 70.4#

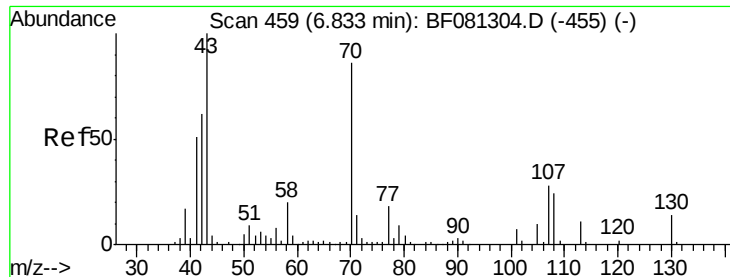


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

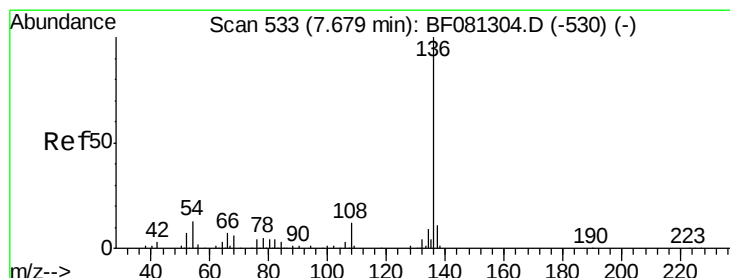
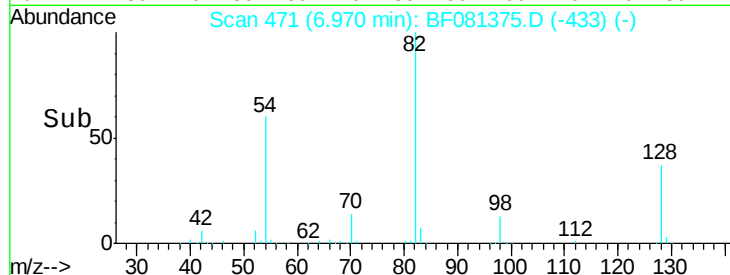
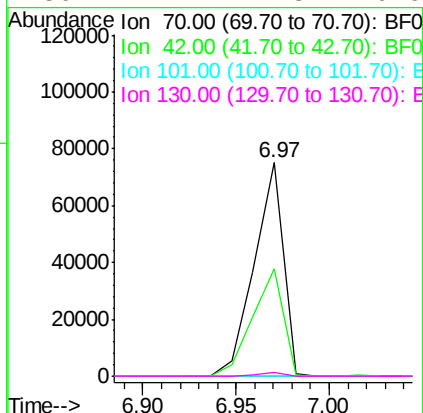
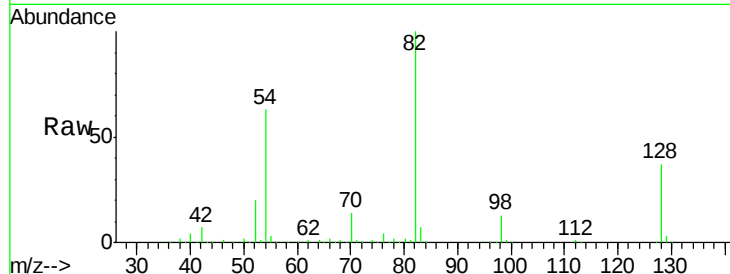




#19
n-Nitroso-di-n-propylamine
Concen: 21.33 ng
RT: 6.97 min Scan# 471
Delta R.T. 0.14 min
Lab File: BF081375.D
Acq: 3 Sep 2015 4:59

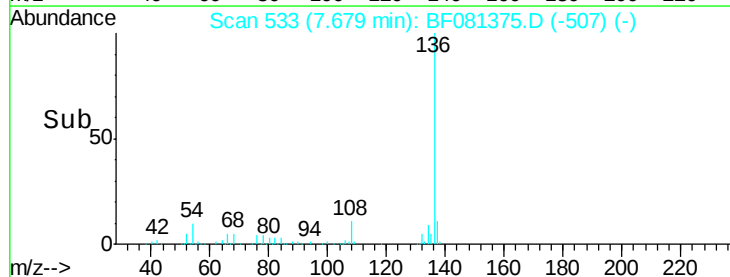
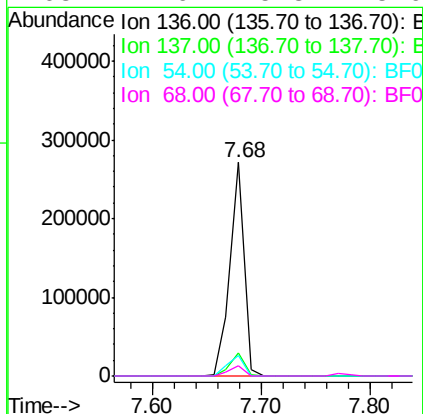
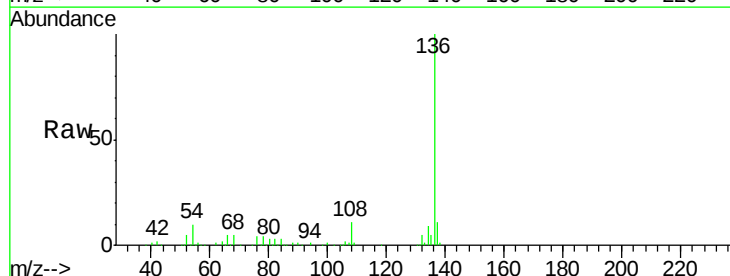
Instrument :
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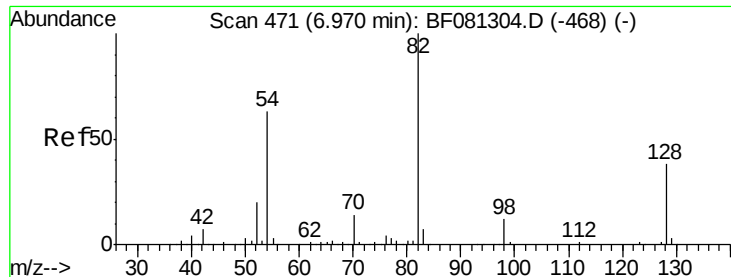
Tot Ion: 70 Resp: 81007
Ion Ratio Lower Upper
70 100
42 50.3 63.8 95.6#
101 0.0 9.2 13.8#
130 1.7 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.68 min Scan# 533
Delta R.T. 0.00 min
Lab File: BF081375.D
Acq: 3 Sep 2015 4:59

Tgt Ion: 136 Resp: 244869
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 9.6 8.2 12.2
68 4.6 5.8 8.6#

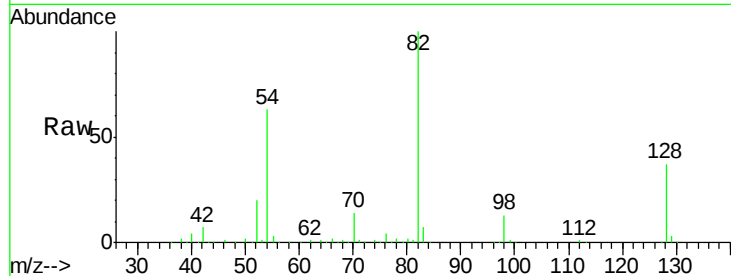




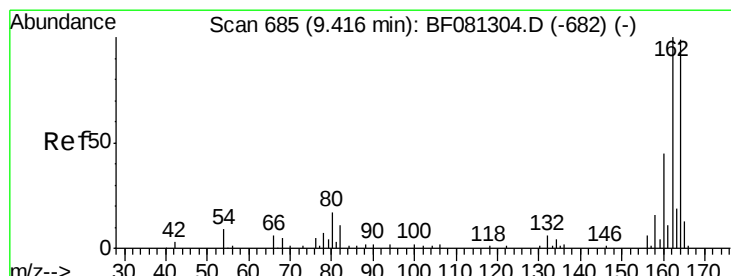
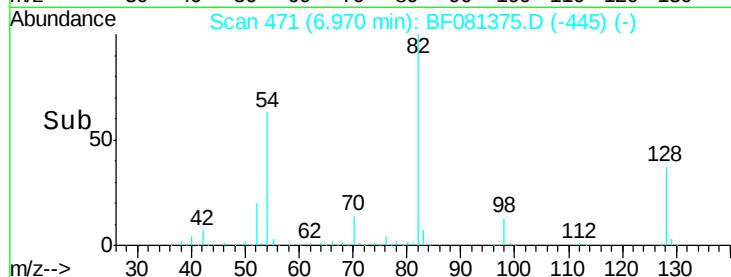
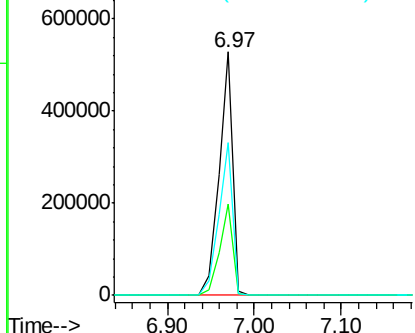
#23
 Nitrobenzene-d5
 Concen: 114.20 ng
 RT: 6.97 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: BF081375.D
 Acq: 3 Sep 2015 4:59

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-004-ABCD

Tot Ion: 82 Resp: 579594
 Ion Ratio Lower Upper
 82 100
 128 37.2 51.0 76.6#
 54 62.9 47.5 71.3

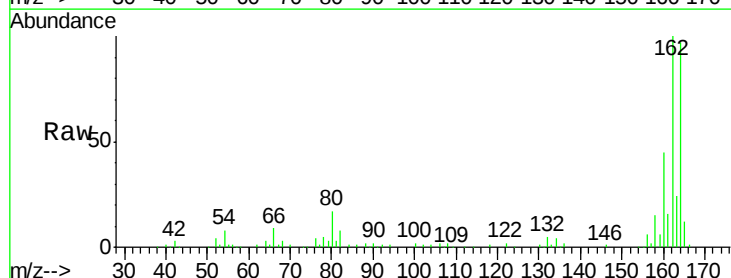


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

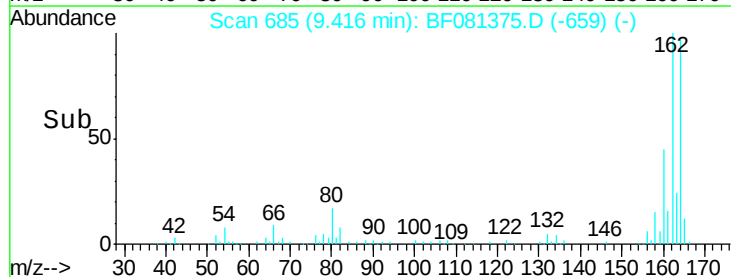
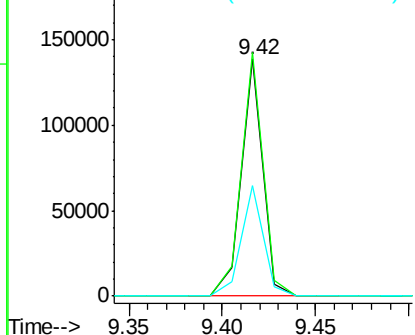


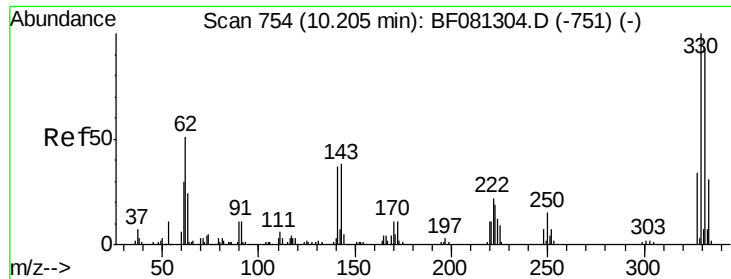
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.42 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: BF081375.D
 Acq: 3 Sep 2015 4:59

Tgt Ion:164 Resp: 111294
 Ion Ratio Lower Upper
 164 100
 162 102.9 75.2 112.8
 160 46.6 31.5 47.3



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

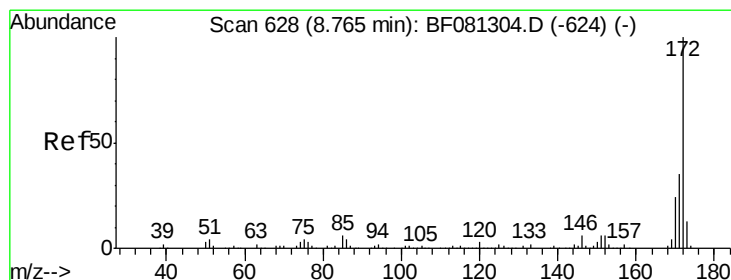
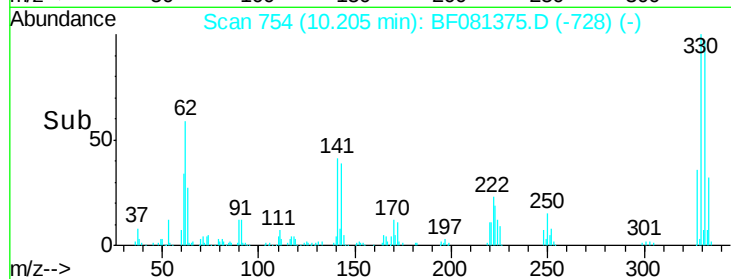
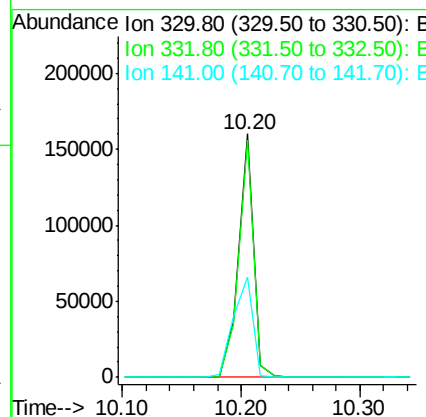
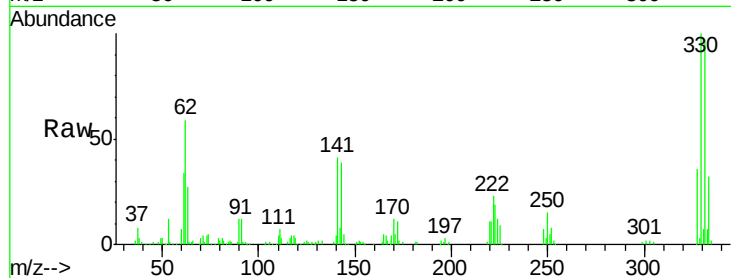




#41
 2,4,6-Tribromophenol
 Concen: 143.13 ng
 RT: 10.20 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: BF081375.D
 Acq: 3 Sep 2015 4:59

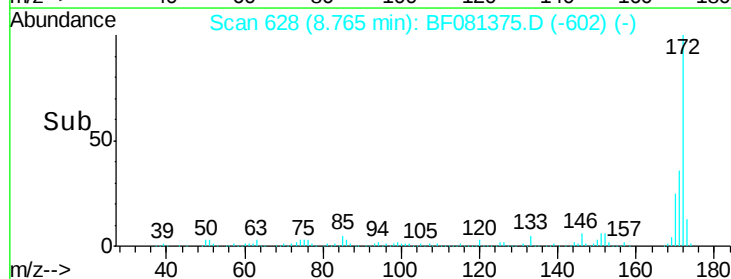
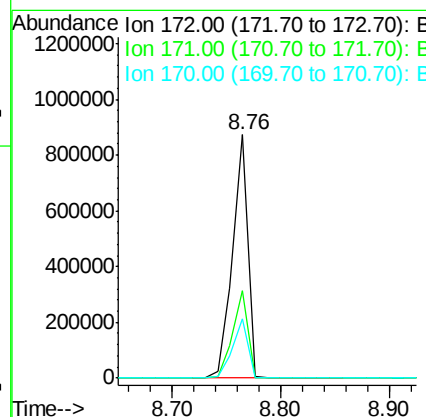
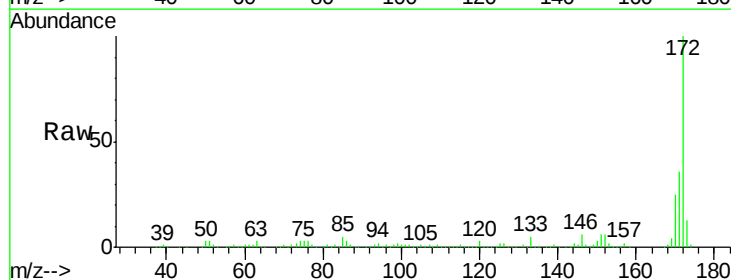
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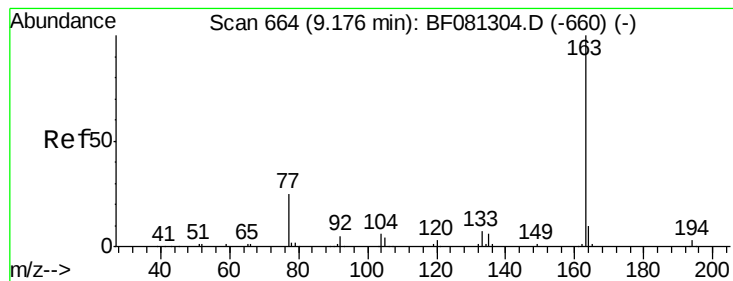
Tot Ion:330 Resp: 141832
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 114.8
 141 52.6 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 97.35 ng
 RT: 8.76 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF081375.D
 Acq: 3 Sep 2015 4:59

Tgt Ion:172 Resp: 845454
 Ion Ratio Lower Upper
 172 100
 171 35.9 26.1 39.1
 170 24.6 17.4 26.2





#49

Dimethylphthalate

Concen: 14.59 ng

RT: 9.16 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF081375.D

Acq: 3 Sep 2015 4:59

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-004-ABCD

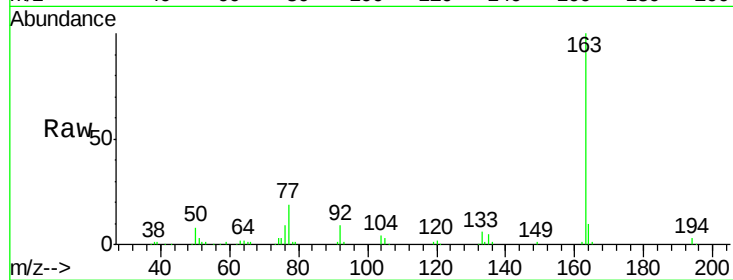
Tot Ion:163 Resp: 126145

Ion Ratio Lower Upper

163 100

194 3.3 4.4 6.6#

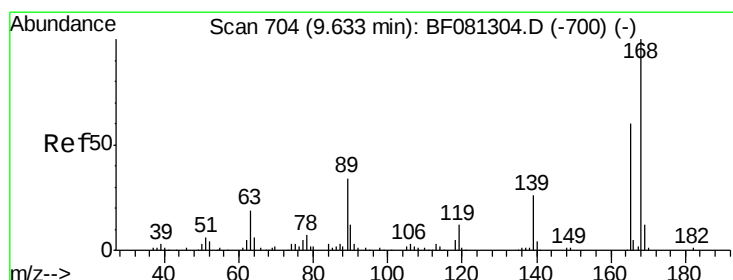
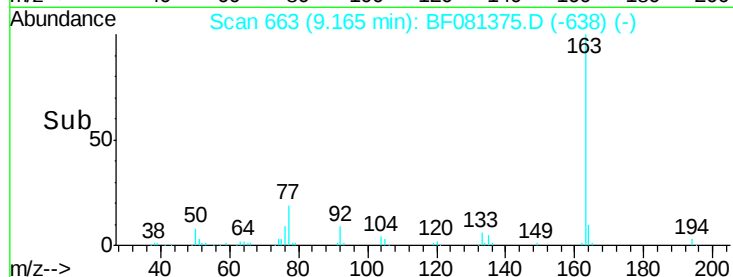
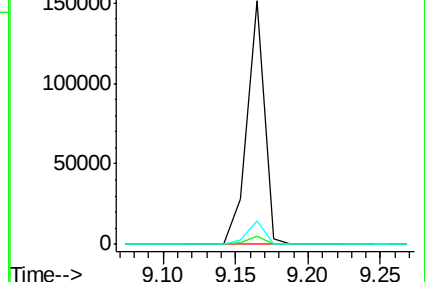
164 9.5 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 5.65 ng

RT: 9.42 min Scan# 685

Delta R.T. -0.22 min

Lab File: BF081375.D

Acq: 3 Sep 2015 4:59

Tgt Ion:165 Resp: 14121

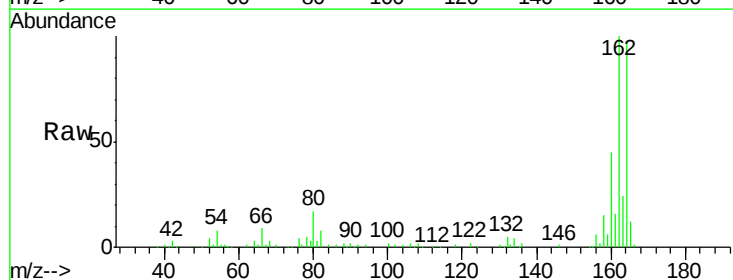
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 1.9 44.5 66.7#

182 0.0 3.0 4.4#

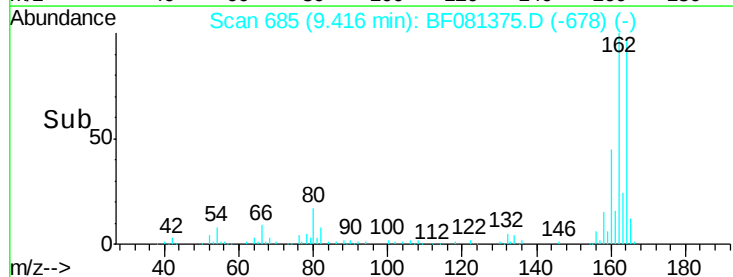
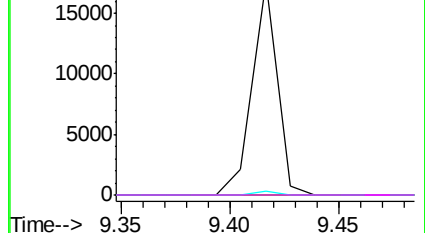


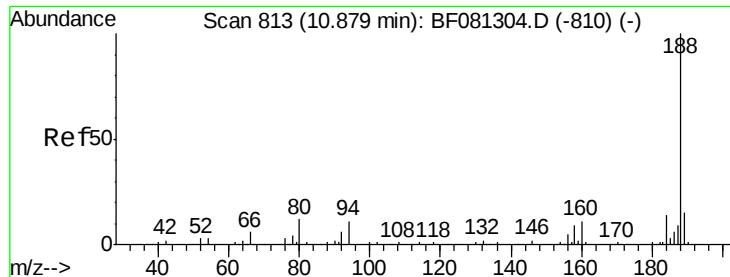
Abundance Ion 165.00 (164.70 to 165.70): E

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

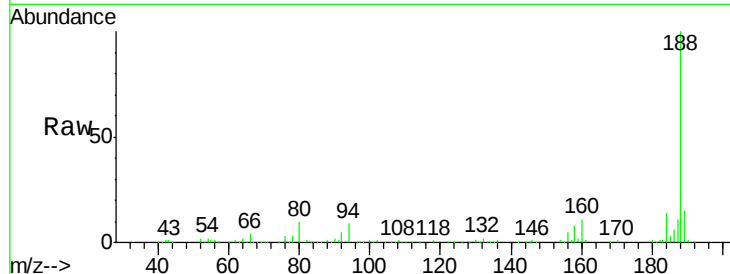




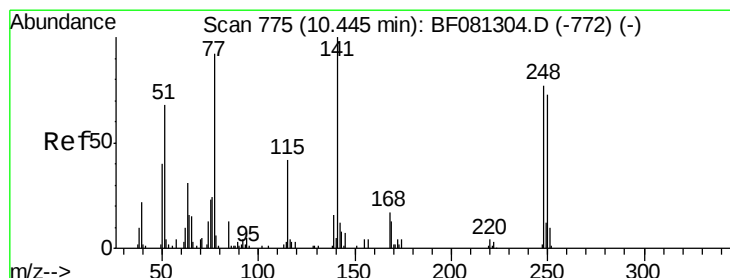
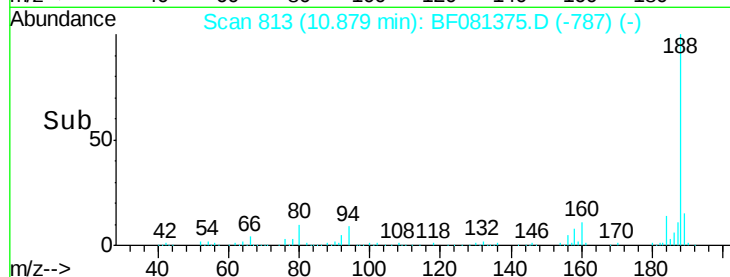
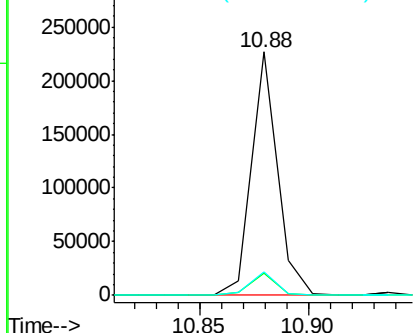
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.88 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF081375.D
 Acq: 3 Sep 2015 4:59

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-004-ABCD

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.0	11.1	16.7#
80	9.6	11.0	16.4#

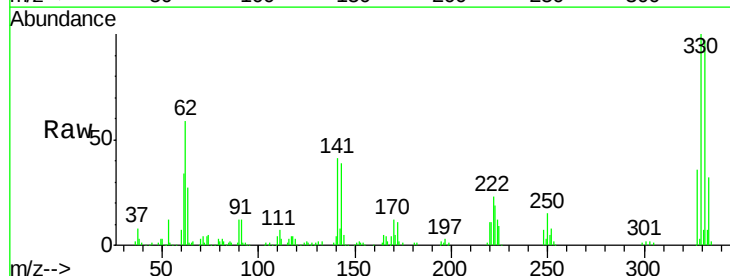


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

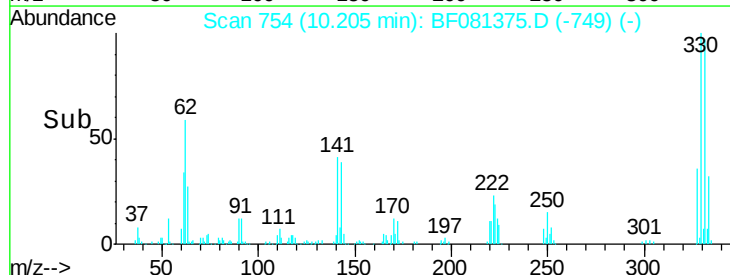
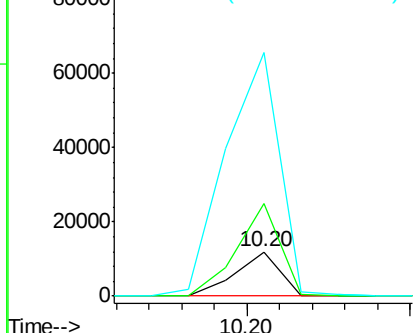


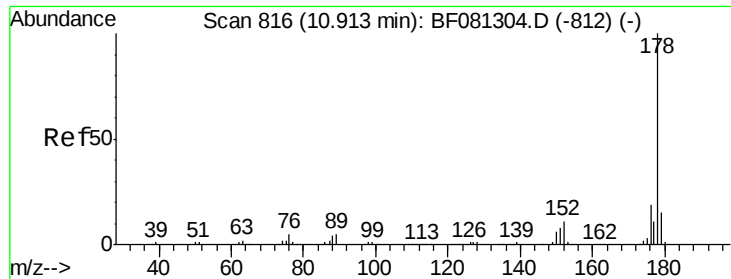
#66
 4-Bromophenyl-phenylether
 Concen: 5.76 ng
 RT: 10.20 min Scan# 754
 Delta R.T. -0.24 min
 Lab File: BF081375.D
 Acq: 3 Sep 2015 4:59

Tgt Ion	Ratio	Lower	Upper
248	100		
250	207.6	78.5	117.7#
141	548.9	59.0	88.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

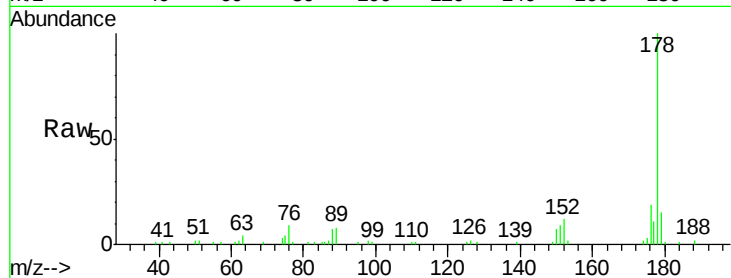




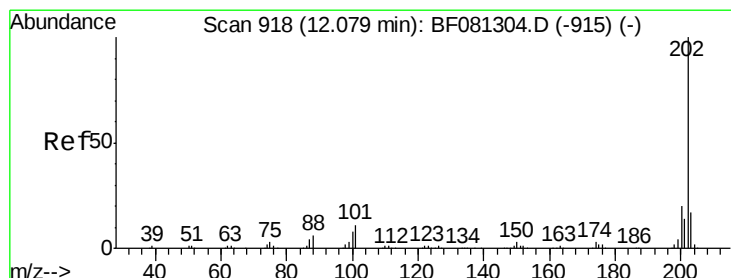
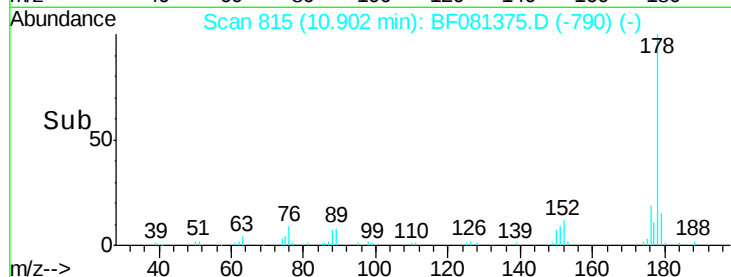
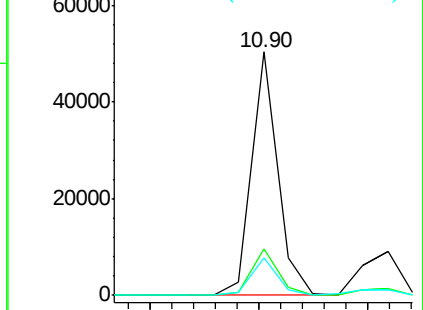
#70
Phenanthrene
Concen: 3.99 ng
RT: 10.90 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF081375.D
Acq: 3 Sep 2015 4:59

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-004-ABCD

Tot Ion:178 Resp: 41813
Ion Ratio Lower Upper
178 100
176 19.1 13.8 20.8
179 15.5 12.2 18.2

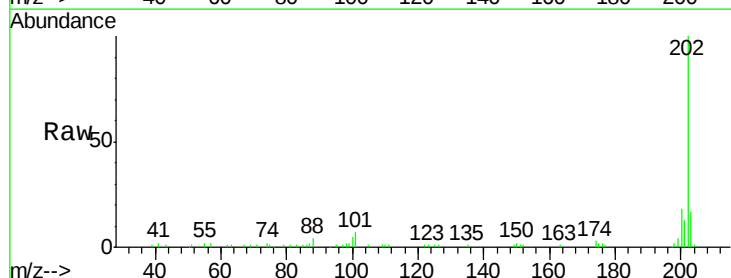


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

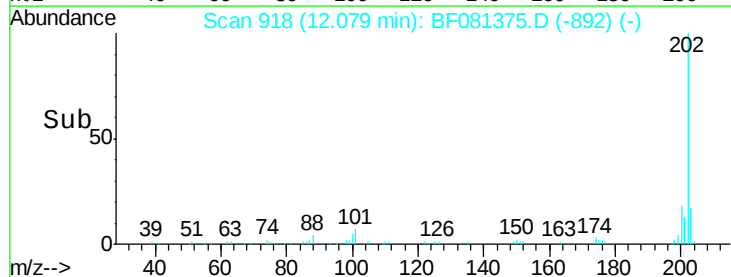
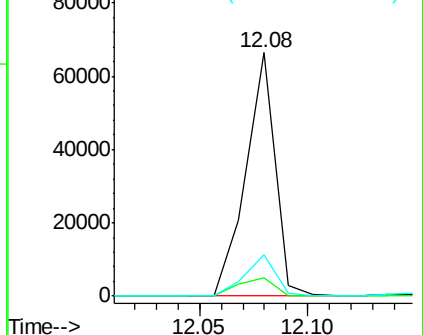


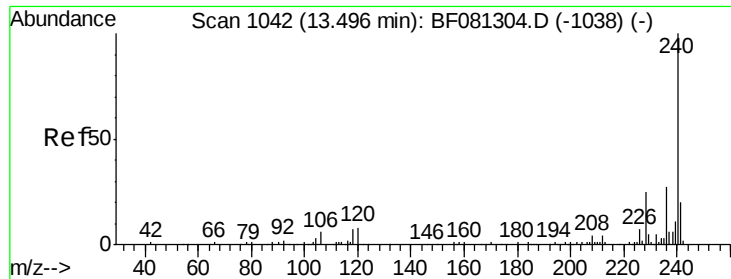
#74
Fluoranthene
Concen: 5.47 ng
RT: 12.08 min Scan# 918
Delta R.T. 0.00 min
Lab File: BF081375.D
Acq: 3 Sep 2015 4:59

Tgt Ion:202 Resp: 62066
Ion Ratio Lower Upper
202 100
101 7.4 0.0 38.3
203 17.1 0.0 37.3



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

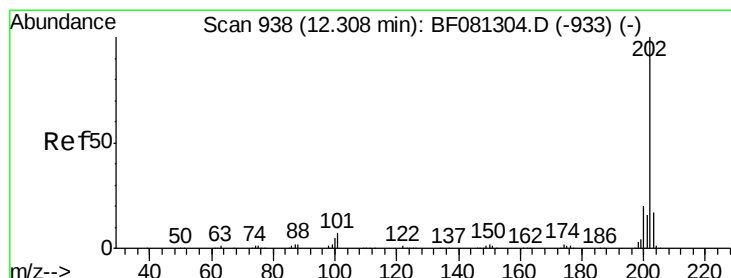
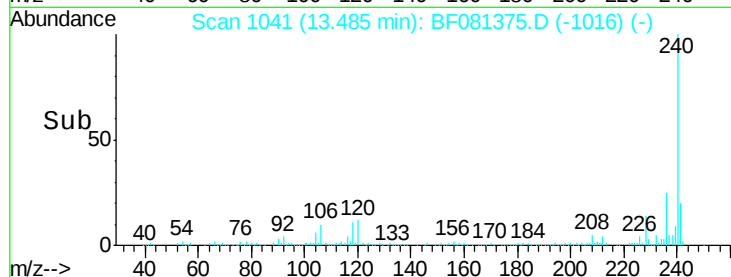
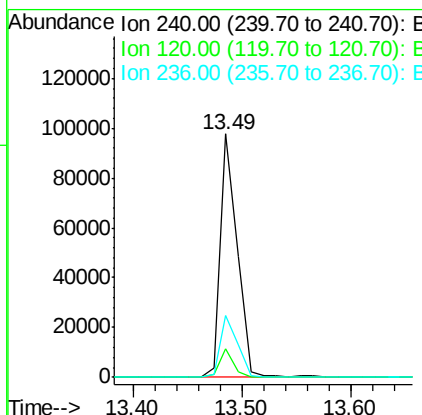
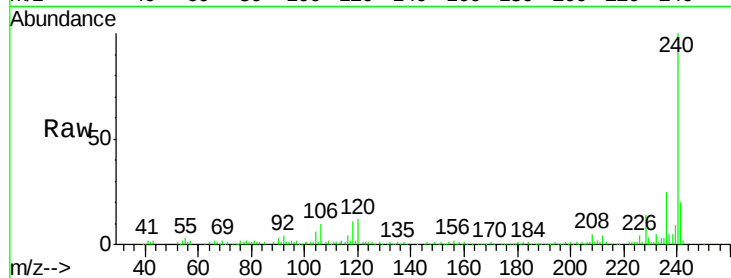




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.49 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF081375.D
Acq: 3 Sep 2015 4:59

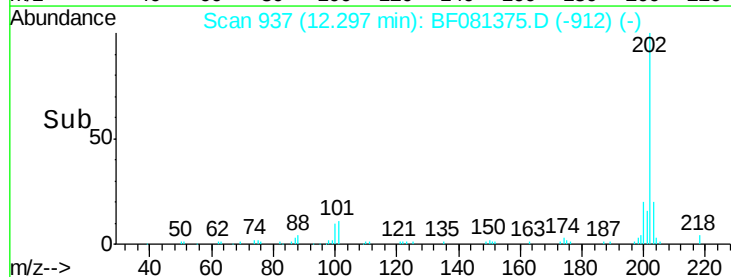
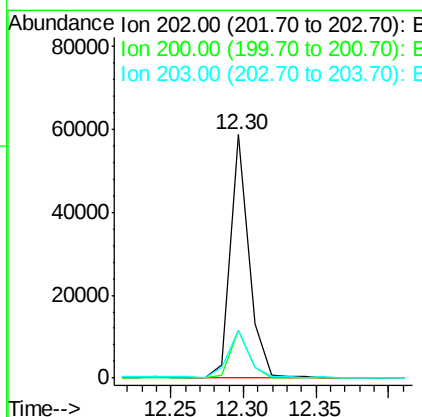
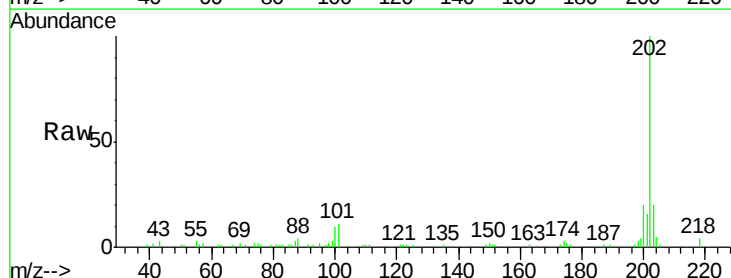
Instrument :
BNA_F
ClientSampleId :
FK-EF-01-004-ABCD

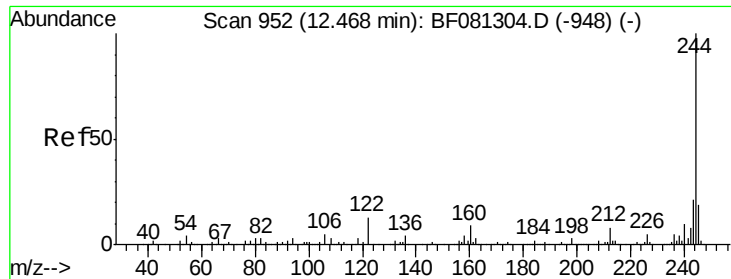
Tot Ion:240 Resp: 106160
Ion Ratio Lower Upper
240 100
120 11.9 16.2 24.2#
236 25.4 18.4 27.6



#77
Pyrene
Concen: 6.66 ng
RT: 12.30 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF081375.D
Acq: 3 Sep 2015 4:59

Tgt Ion:202 Resp: 52355
Ion Ratio Lower Upper
202 100
200 19.7 15.0 22.4
203 19.6 14.1 21.1

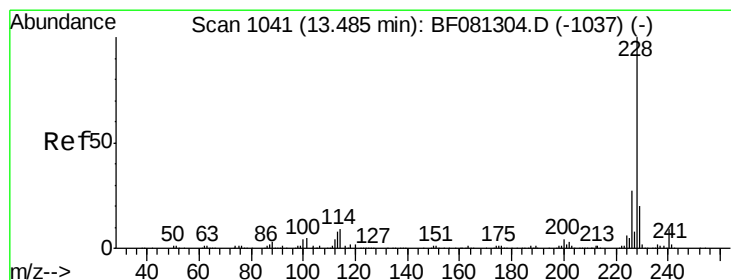
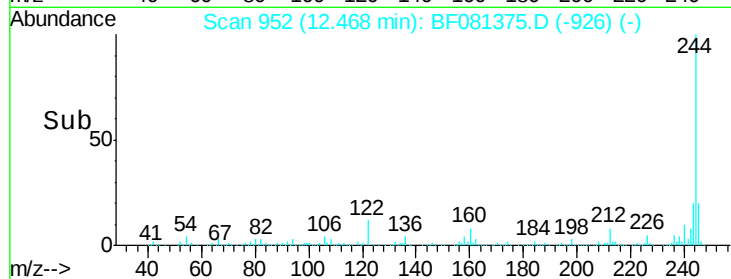
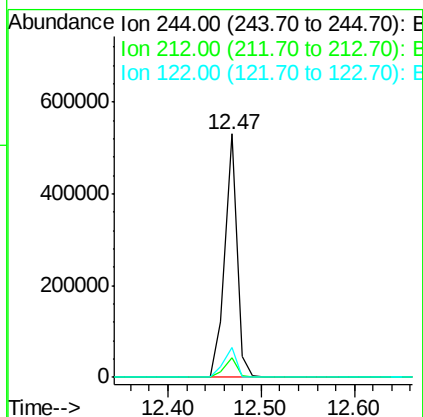
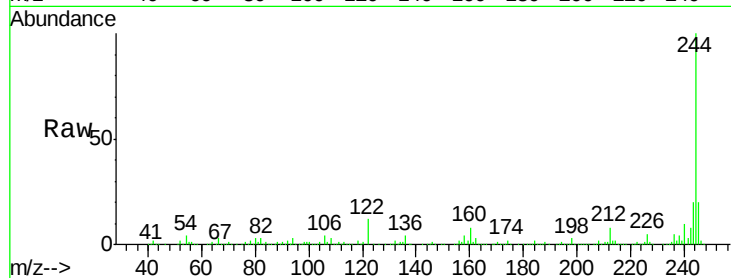




#78
 Terphenyl-d14
 Concen: 106.15 ng
 RT: 12.47 min Scan# 952
 Delta R.T. 0.00 min
 Lab File: BF081375.D
 Acq: 3 Sep 2015 4:59

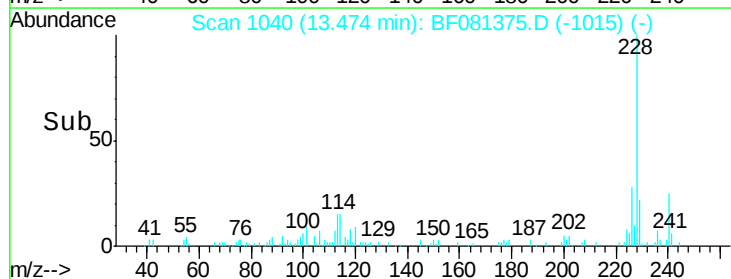
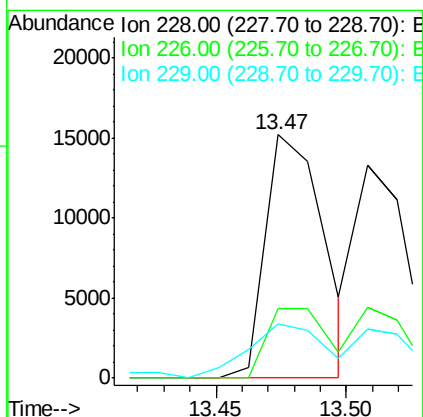
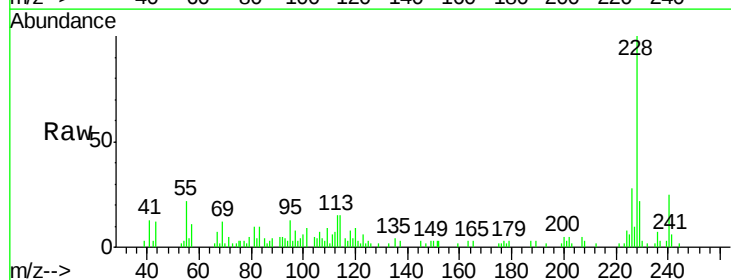
Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-004-ABCD

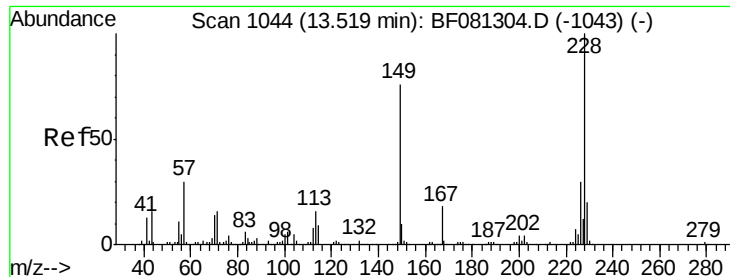
Tot Ion:244 Resp: 484103
 Ion Ratio Lower Upper
 244 100
 212 7.8 4.3 6.5#
 122 12.2 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 3.50 ng
 RT: 13.47 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BF081375.D
 Acq: 3 Sep 2015 4:59

Tgt Ion:228 Resp: 23688
 Ion Ratio Lower Upper
 228 100
 226 28.5 20.0 30.0
 229 22.1 15.4 23.2

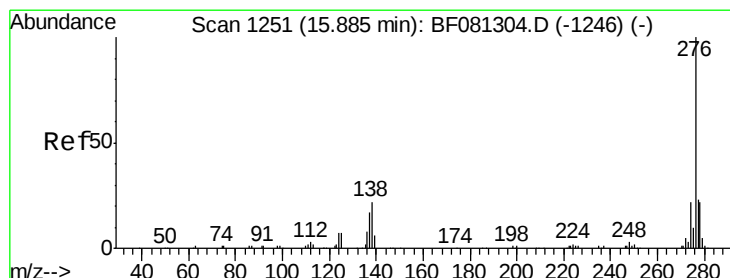
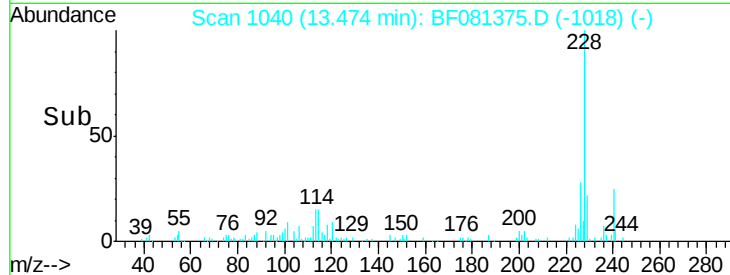
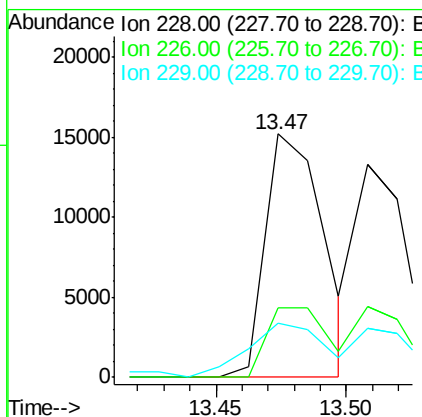
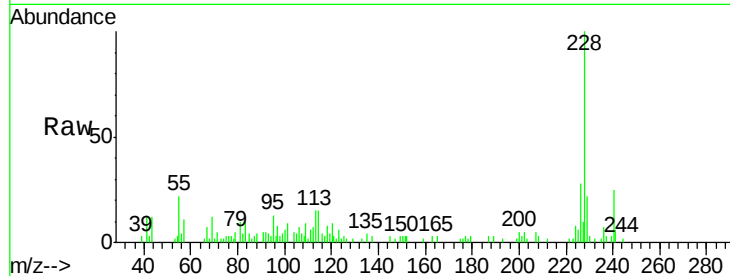




#82
 Chrysene
 Concen: 3.91 ng
 RT: 13.47 min Scan# 1040
 Delta R.T. -0.05 min
 Lab File: BF081375.D
 Acq: 3 Sep 2015 4:59

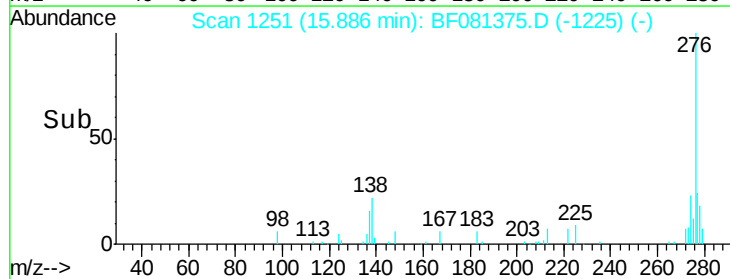
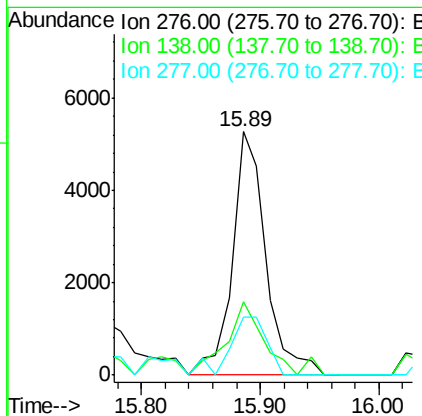
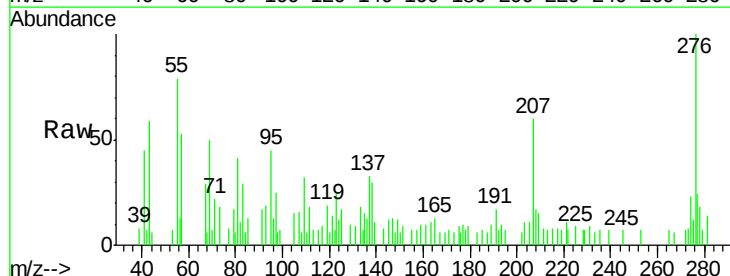
Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-004-ABCD

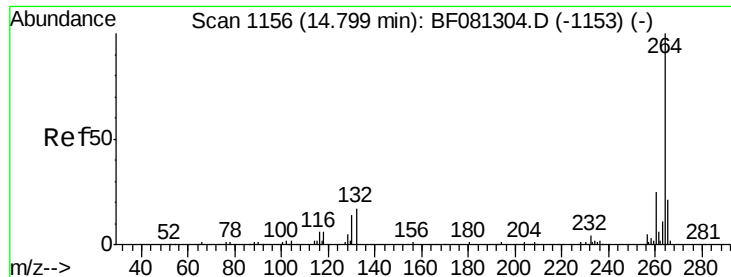
Tot Ion:	228	Resp:	23688
Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.0	31.4
229	22.1	15.6	23.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.33 ng
 RT: 15.89 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: BF081375.D
 Acq: 3 Sep 2015 4:59

Tgt Ion:	276	Resp:	10363
Ion	Ratio	Lower	Upper
276	100		
138	32.9	25.7	38.5
277	26.6	15.6	23.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 14.80 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF081375.D

Acq: 3 Sep 2015 4:59

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-004-ABCD

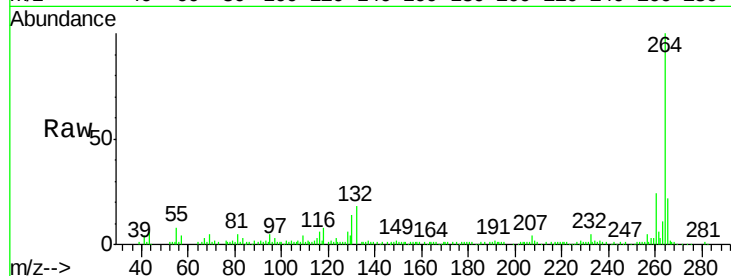
Tot Ion:264 Resp: 87873

Ion Ratio Lower Upper

264 100

260 23.9 16.7 25.1

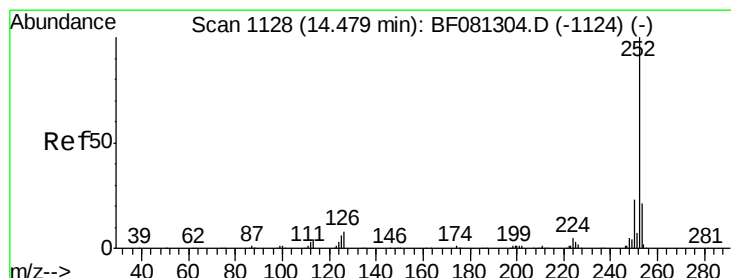
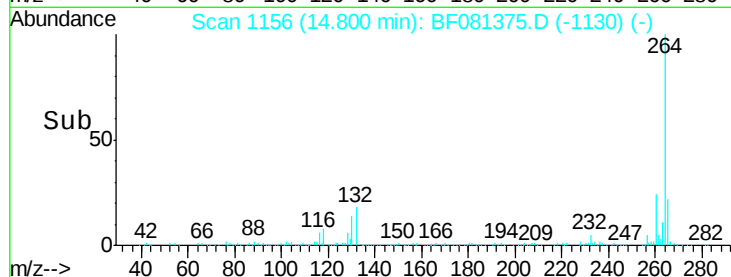
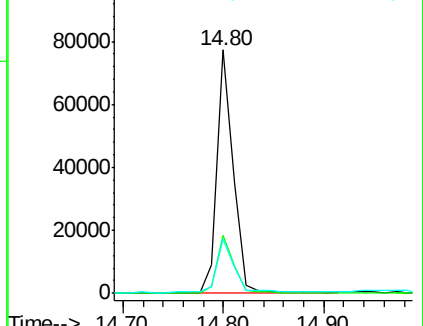
265 22.2 17.2 25.8



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: 5.31 ng

RT: 14.47 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BF081375.D

Acq: 3 Sep 2015 4:59

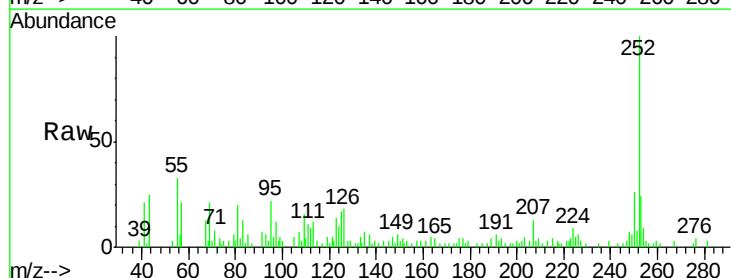
Tgt Ion:252 Resp: 33344

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

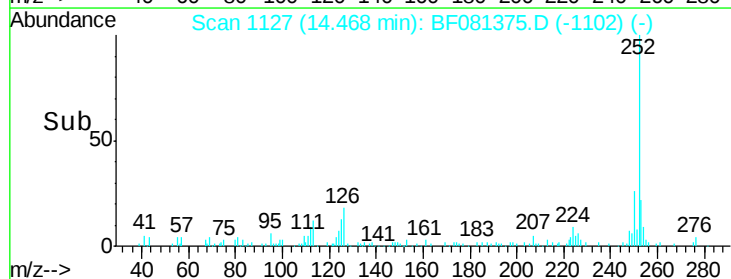
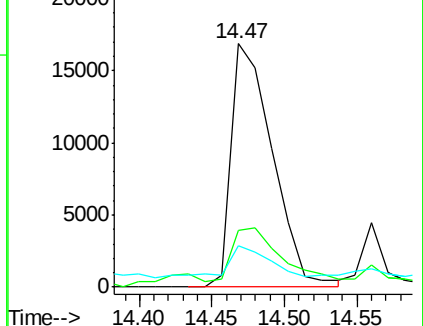
125 16.9 17.1 25.7#

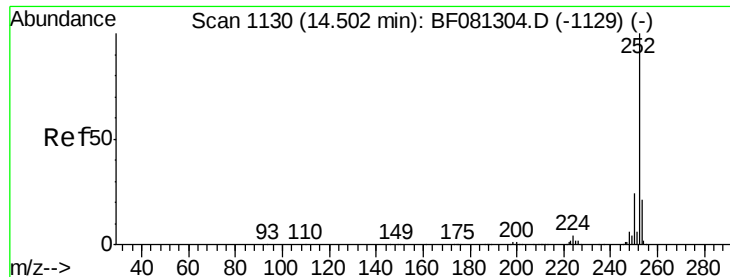


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 6.41 ng

RT: 14.47 min Scan# 1127

Delta R.T. -0.03 min

Lab File: BF081375.D

Acq: 3 Sep 2015 4:59

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-004-ABCD

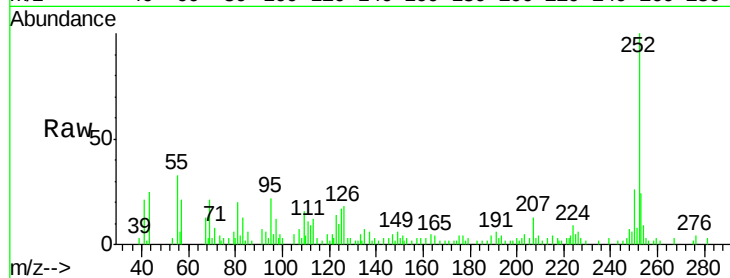
Tot Ion:252 Resp: 33344

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.4

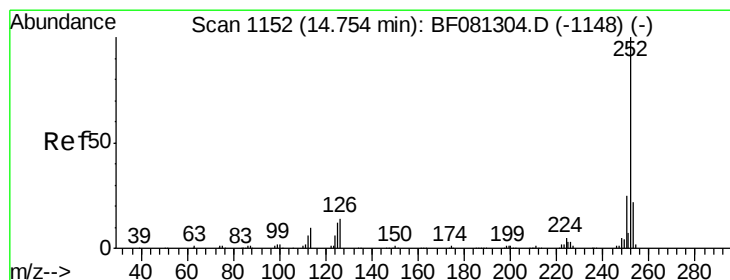
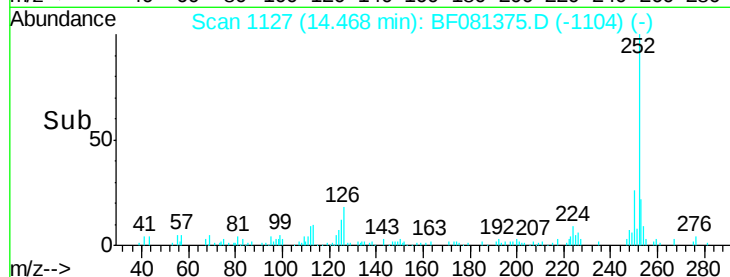
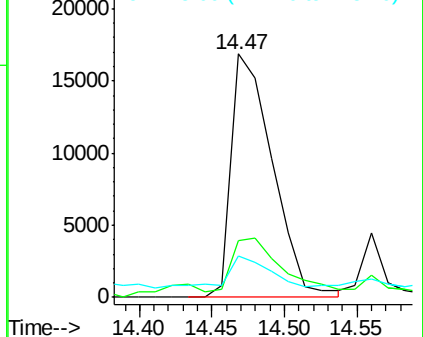
125 16.9 16.0 24.0



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: 3.15 ng

RT: 14.75 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF081375.D

Acq: 3 Sep 2015 4:59

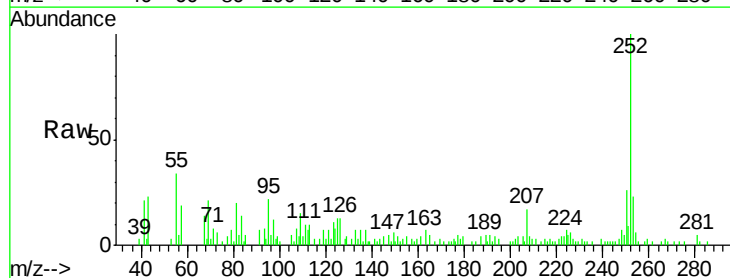
Tgt Ion:252 Resp: 16731

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

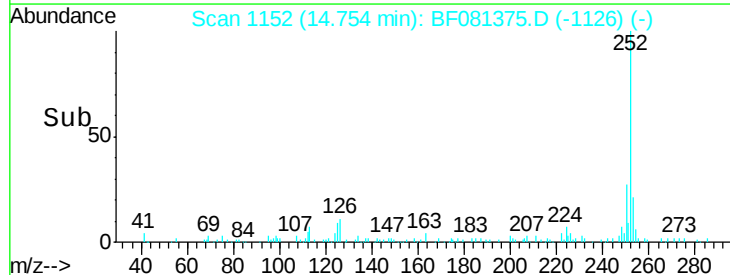
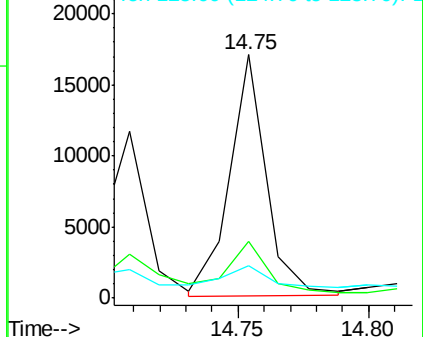
125 13.3 18.0 27.0#

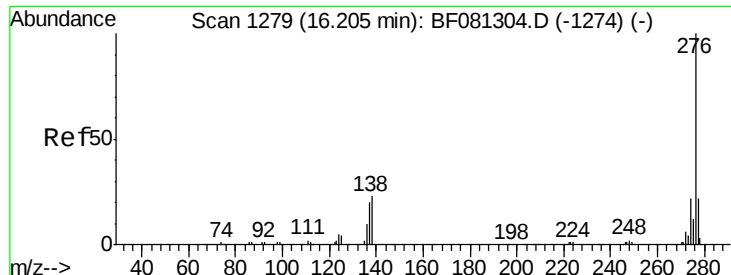


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.44 ng

RT: 16.22 min Scan# 1280

Delta R.T. 0.01 min

Lab File: BF081375.D

Acq: 3 Sep 2015 4:59

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-004-ABCD

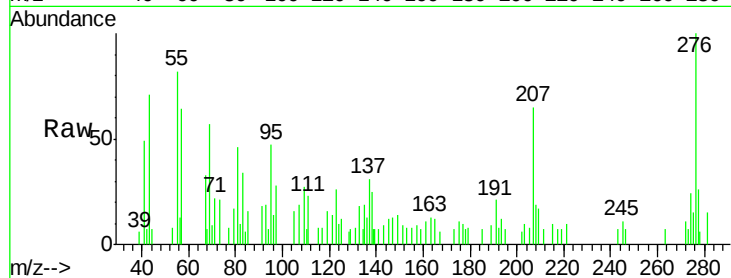
Tot Ion: 276 Resp: 9548

Ion Ratio Lower Upper

276 100

277 25.8 17.8 26.6

138 25.2 34.6 51.8#



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

