

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122315\
 Data File : BF084045.D
 Acq On : 23 Dec 2015 20:42
 Operator : UM/SJ
 Sample : G4933-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JFK-COMP

Quant Time: Dec 24 00:36:01 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	50896	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	188264	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	90738	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	135411	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	87841	20.00	ng	-0.01
86) Perylene-d12	15.41	264	88153	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	373809	125.23	ng	0.00
7) Phenol-d6	6.48	99	577501	164.54	ng	0.00
23) Nitrobenzene-d5	7.39	82	366359	119.55	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	62510	71.62	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	637438	94.54	ng	-0.01
78) Terphenyl-d14	12.93	244	446891	121.33	ng	0.00

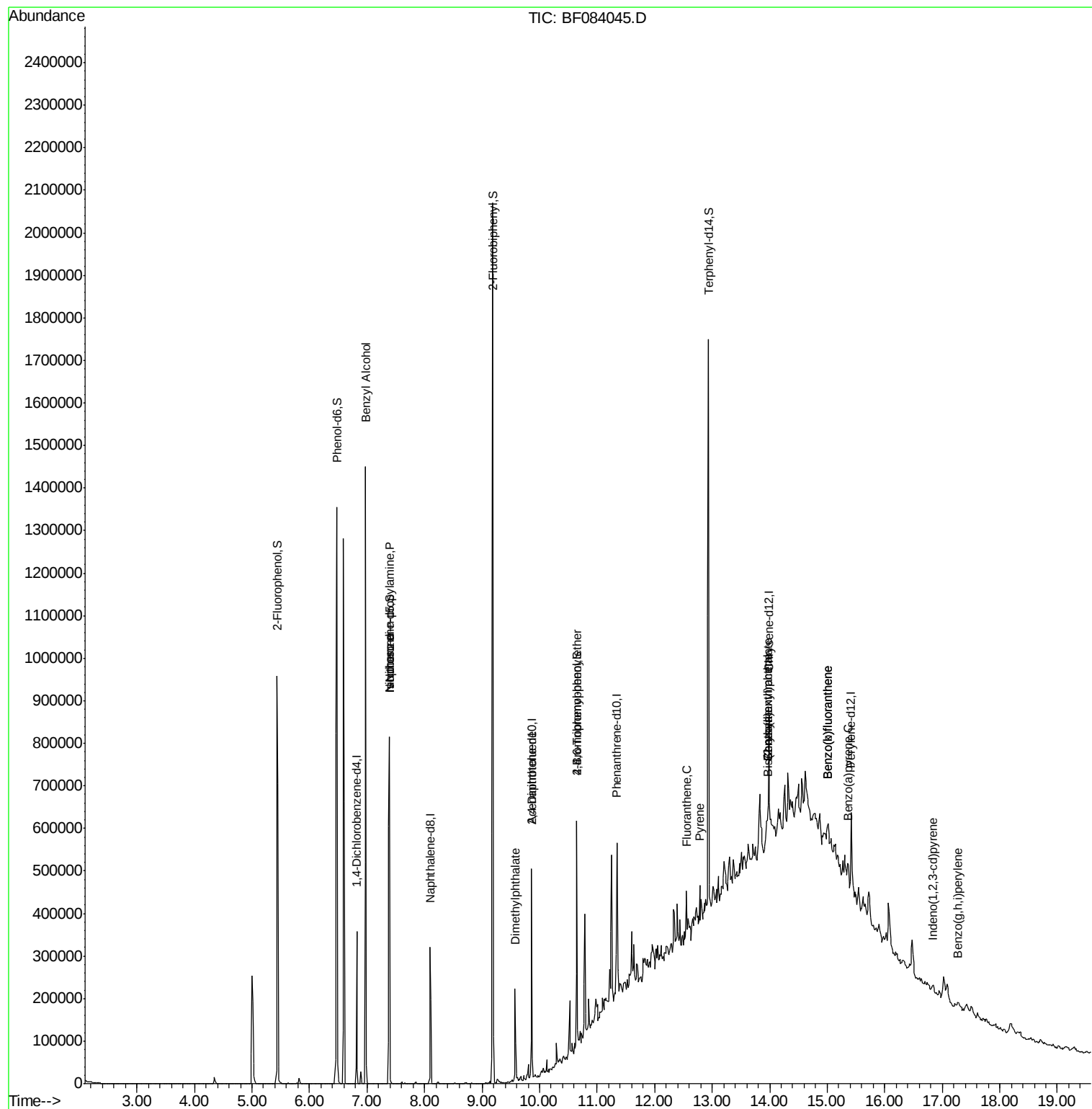
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.98	79	6874	2.49	ng	# 43
19) n-Nitroso-di-n-propylamine	7.39	70	49583	23.31	ng	# 73
25) Isophorone	7.39	82	343207	59.10	ng	# 66
49) Dimethylphthalate	9.57	163	93305	13.14	ng	# 89
56) 2,4-Dinitrotoluene	9.86	165	11674	6.20	ng	# 20
66) 4-Bromophenyl-phenylether	10.65	248	4530	2.92	ng	# 1
74) Fluoranthene	12.56	202	30855	4.07	ng	96
77) Pyrene	12.79	202	29378	4.93	ng	97
80) Benzo(a)anthracene	13.97	228	17616	3.48	ng	96
82) Chrysene	13.97	228	17616	3.75	ng	95
83) Bis(2-ethylhexyl)phthalate	13.96	149	12093	3.18	ng	# 86
85) Indeno(1,2,3-cd)pyrene	16.84	276	10359	2.66	ng	# 85
87) Benzo(b)fluoranthene	15.01	252	26162	4.71	ng	# 42
88) Benzo(k)fluoranthene	15.01	252	26162	4.95	ng	# 42
89) Benzo(a)pyrene	15.37	252	14615	2.84	ng	# 43
91) Benzo(g,h,i)perylene	17.27	276	9231	2.14	ng	# 81

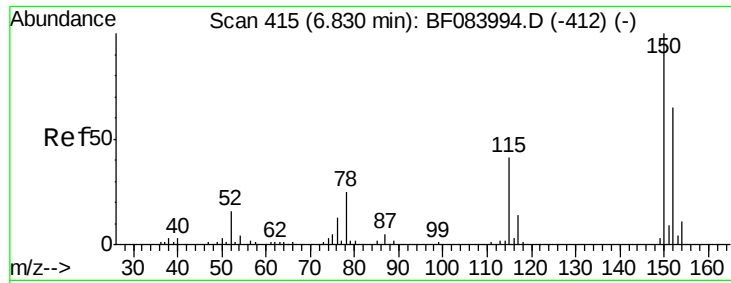
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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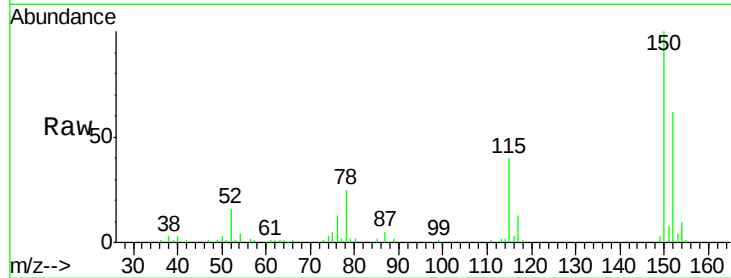


#1

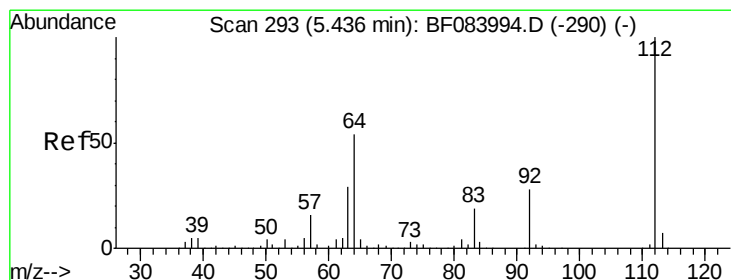
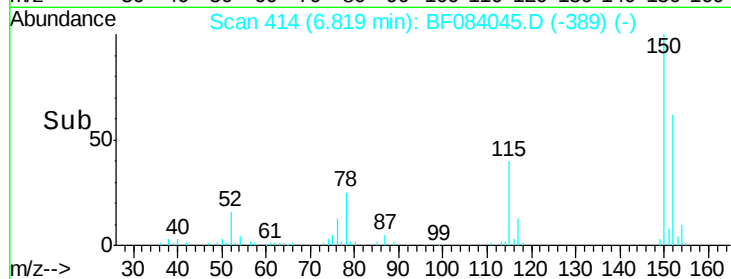
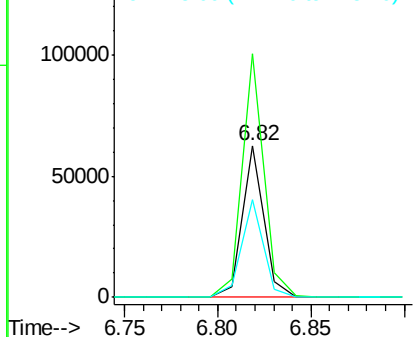
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.82 min Scan# 414
 Delta R.T. -0.01 min
 Lab File: BF084045.D
 Acq: 23 Dec 2015 20:42

Instrument :
 BNA_F
 ClientSampleId :
 JFK-COMP

Tgt Ion:152 Resp: 50896
 Ion Ratio Lower Upper
 152 100
 150 160.2 123.0 184.4
 115 64.1 51.4 77.2



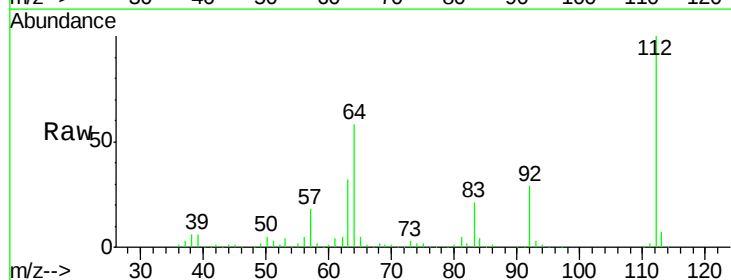
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



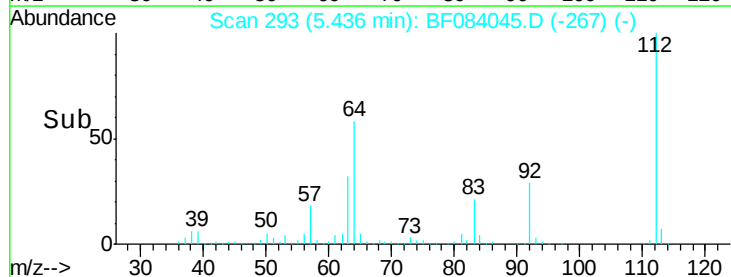
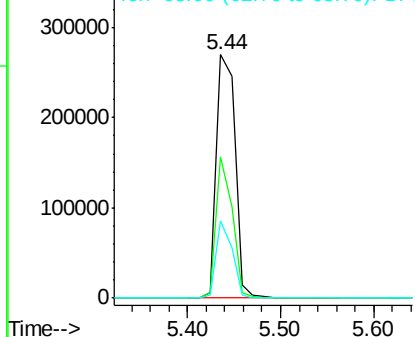
#5

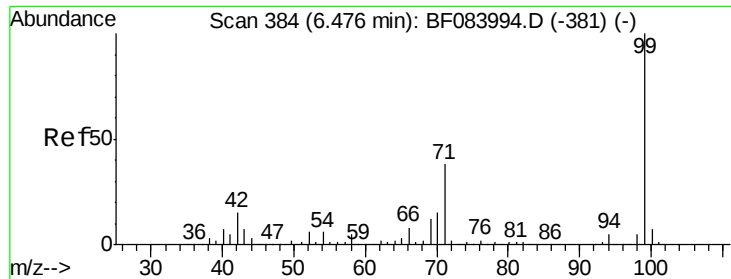
2-Fluorophenol
 Concen: 125.23 ng
 RT: 5.44 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: BF084045.D
 Acq: 23 Dec 2015 20:42

Tgt Ion:112 Resp: 373809
 Ion Ratio Lower Upper
 112 100
 64 58.0 36.6 55.0#
 63 31.9 19.4 29.0#



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: 164.54 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

Instrument :

BNA_F

ClientSampleId :

JFK-COMP

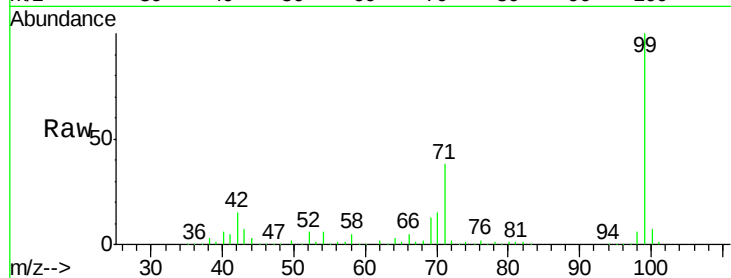
Tgt Ion: 99 Resp: 577501

Ion Ratio Lower Upper

99 100

42 15.1 12.8 19.2

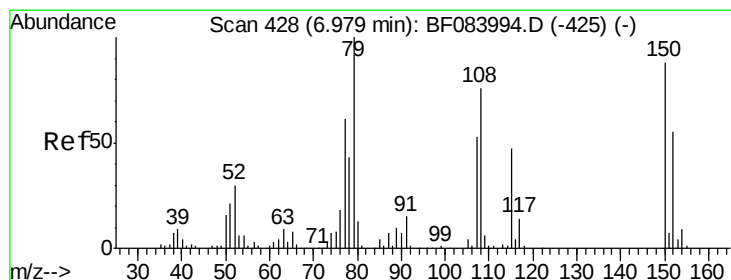
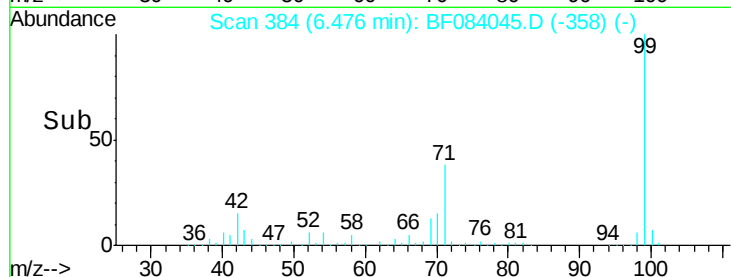
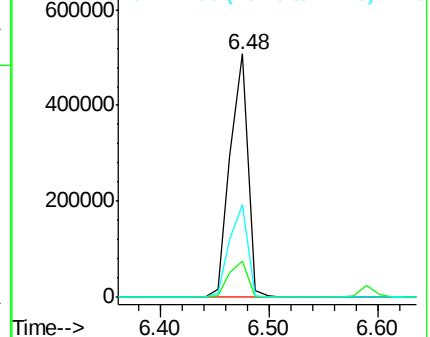
71 38.1 30.9 46.3



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



#15

Benzyl Alcohol

Concen: 2.49 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

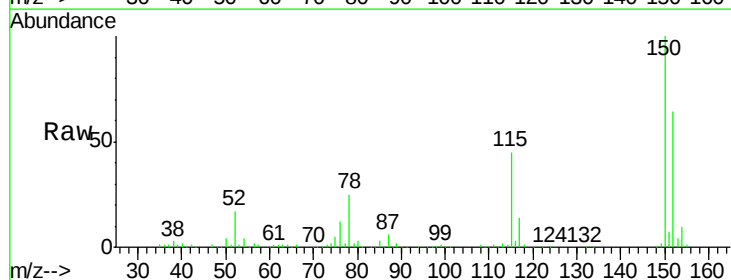
Tgt Ion: 79 Resp: 6874

Ion Ratio Lower Upper

79 100

108 33.4 69.0 103.4#

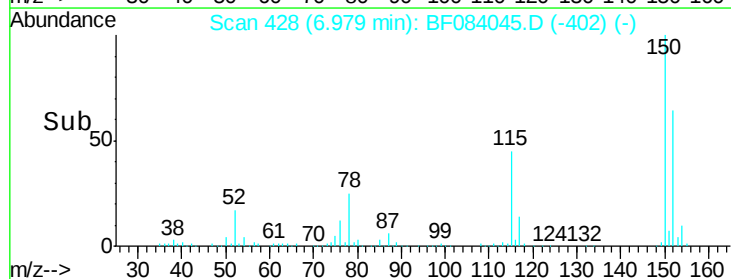
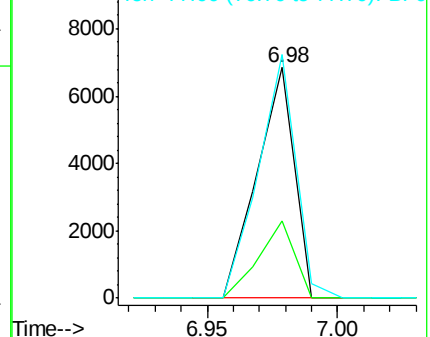
77 105.7 50.0 75.0#

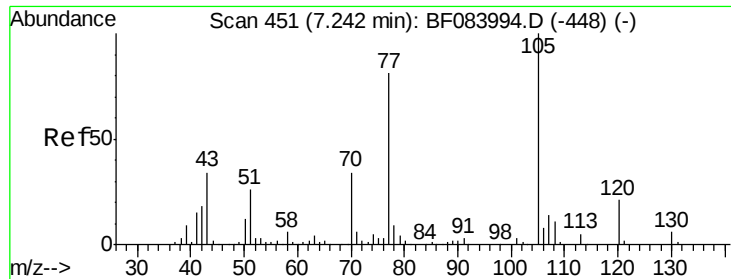


Abundance Ion 79.00 (78.70 to 79.70): BF0

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: 23.31 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

Instrument :

BNA_F

ClientSampleId :

JFK-COMP

Tgt Ion: 70 Resp: 49583

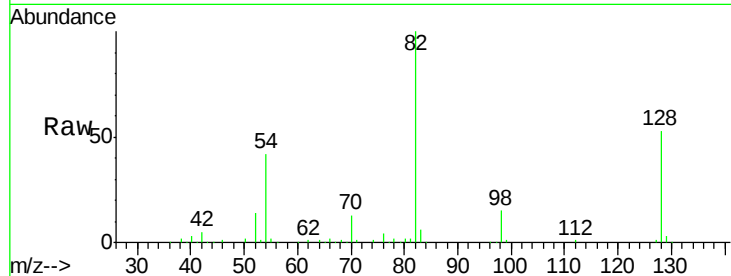
Ion Ratio Lower Upper

70 100

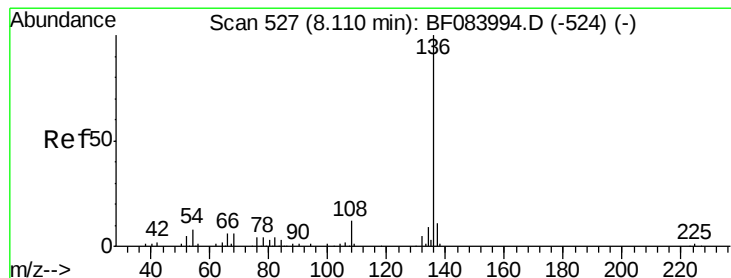
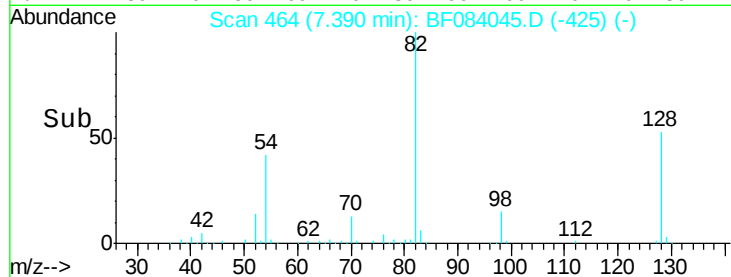
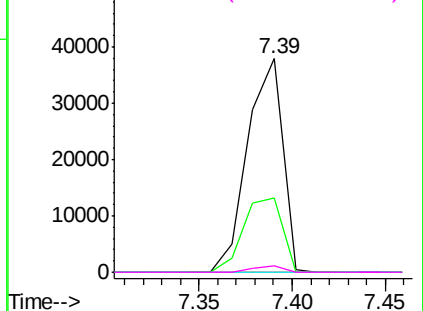
42 34.7 33.3 49.9

101 0.0 9.3 13.9#

130 2.8 23.4 35.0#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

Tgt Ion: 136 Resp: 188264

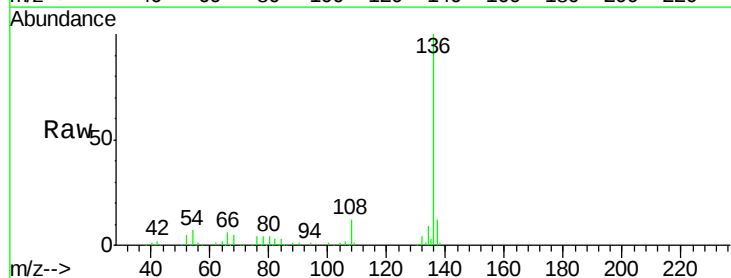
Ion Ratio Lower Upper

136 100

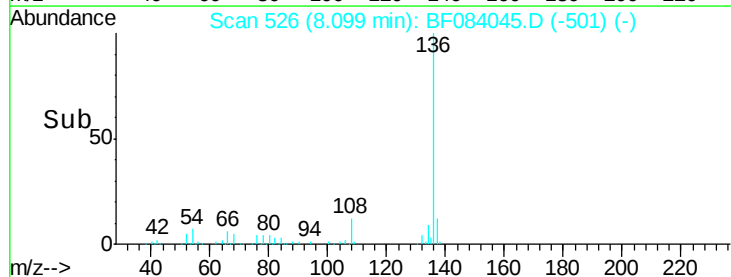
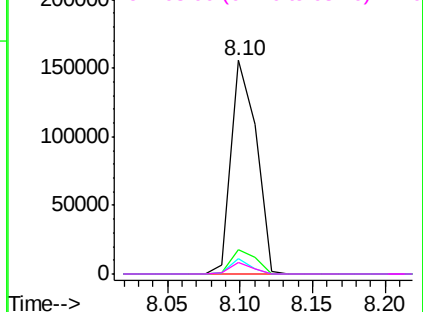
137 11.6 8.7 13.1

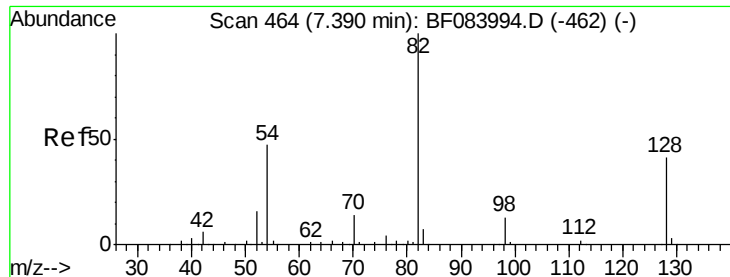
54 7.3 5.8 8.8

68 5.2 4.2 6.2



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

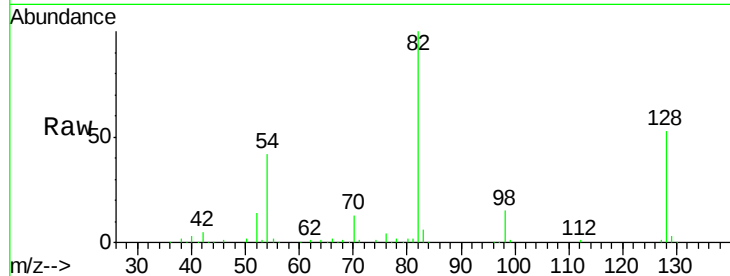




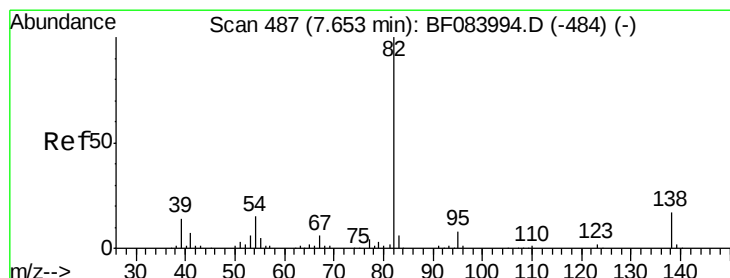
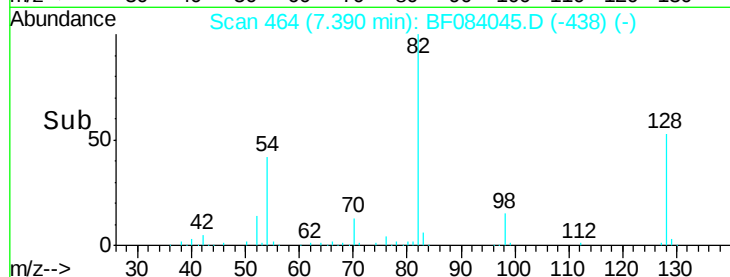
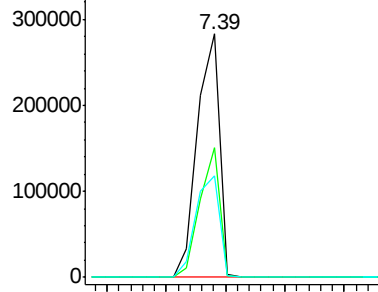
#23
 Nitrobenzene-d5
 Concen: 119.55 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: BF084045.D
 Acq: 23 Dec 2015 20:42

Instrument :
 BNA_F
 ClientSampleId :
 JFK-COMP

Tgt Ion: 82 Resp: 366359
 Ion Ratio Lower Upper
 82 100
 128 53.3 34.6 51.8#
 54 41.6 38.4 57.6

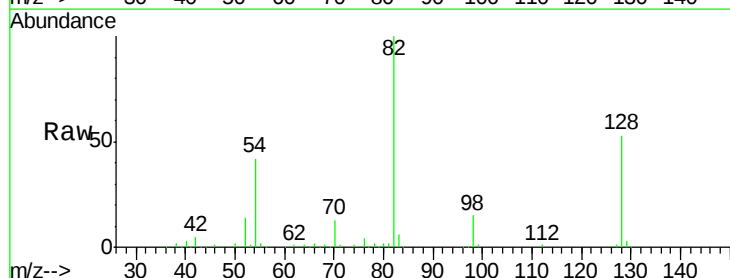


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

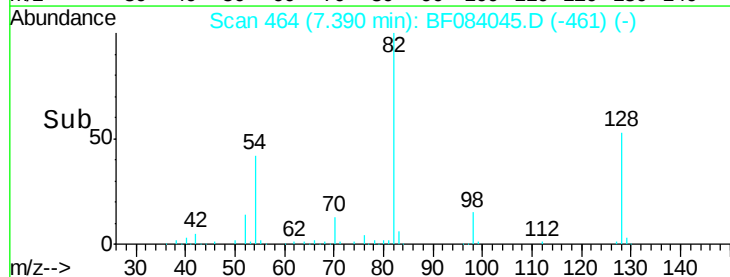
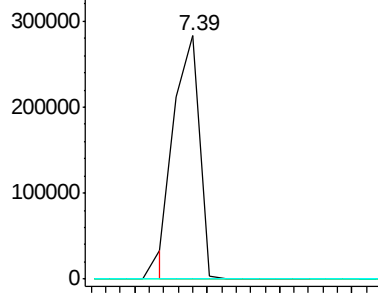


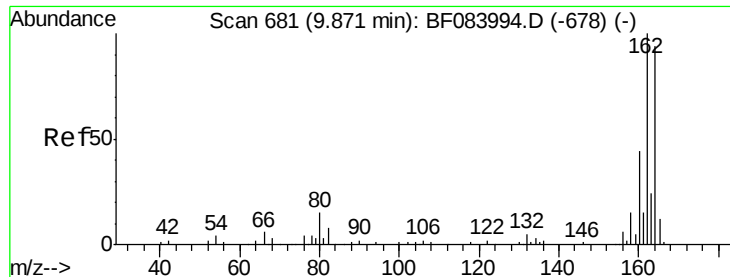
#25
 Isophorone
 Concen: 59.10 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.26 min
 Lab File: BF084045.D
 Acq: 23 Dec 2015 20:42

Tgt Ion: 82 Resp: 343207
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.6 10.0#
 138 0.0 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.01 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

Instrument :

BNA_F

ClientSampleId :

JFK-COMP

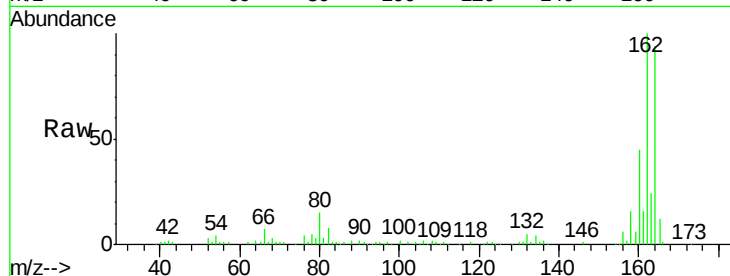
Tgt Ion:164 Resp: 90738

Ion Ratio Lower Upper

164 100

162 106.4 85.1 127.7

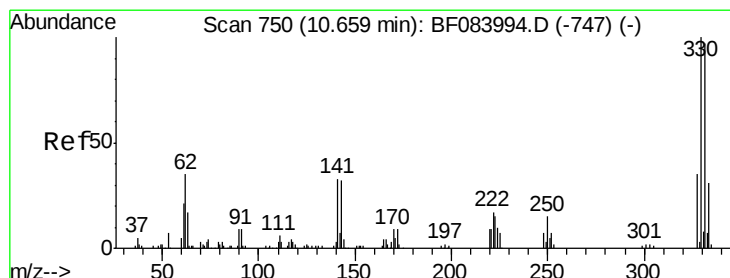
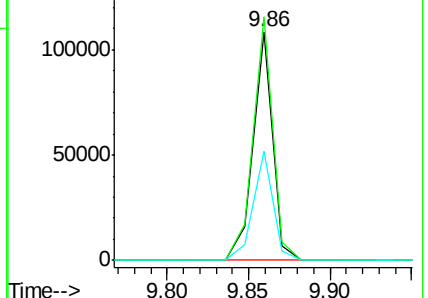
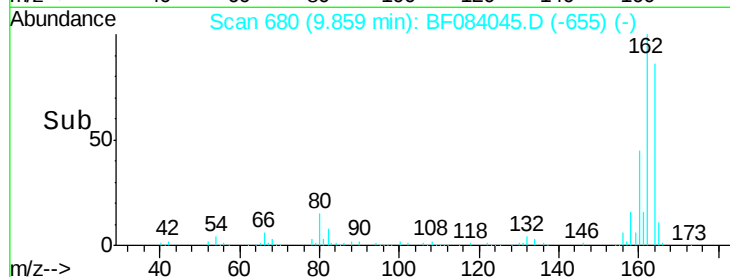
160 47.9 37.5 56.3



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: 71.62 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

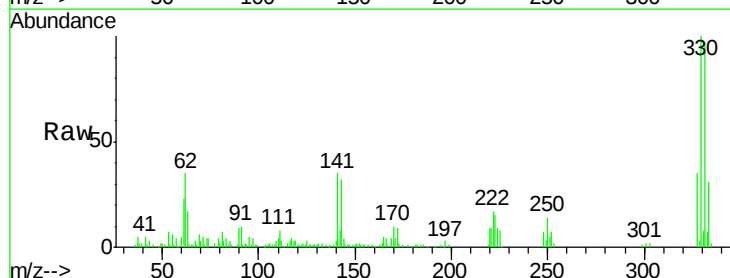
Tgt Ion:330 Resp: 62510

Ion Ratio Lower Upper

330 100

332 96.9 76.6 114.8

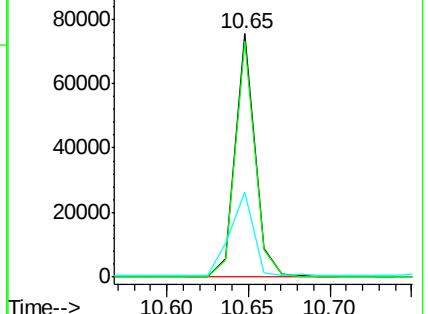
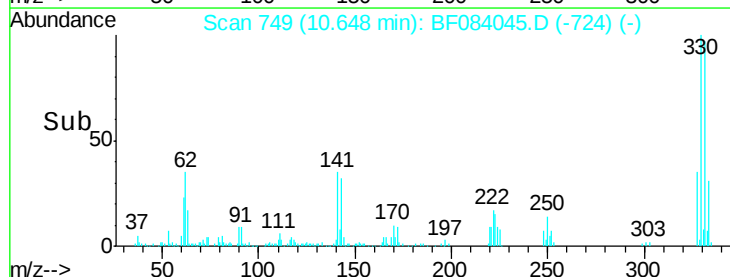
141 43.7 27.8 41.6#

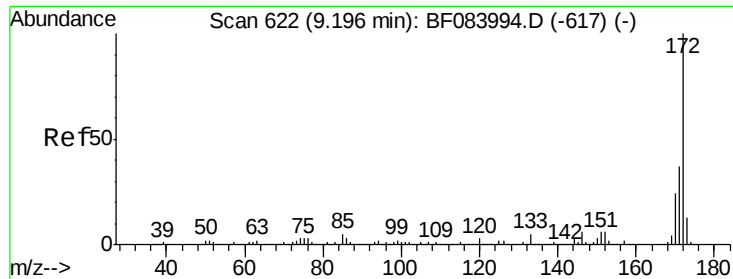


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

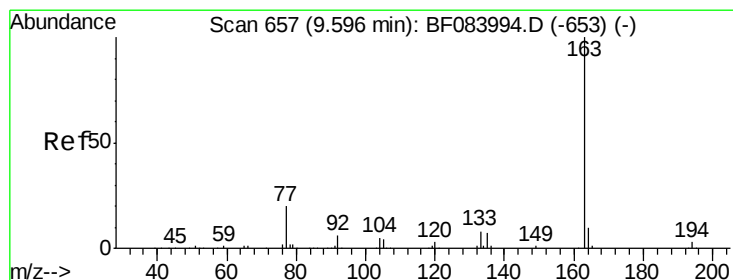
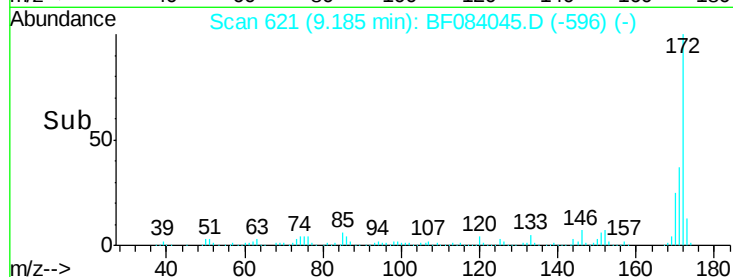
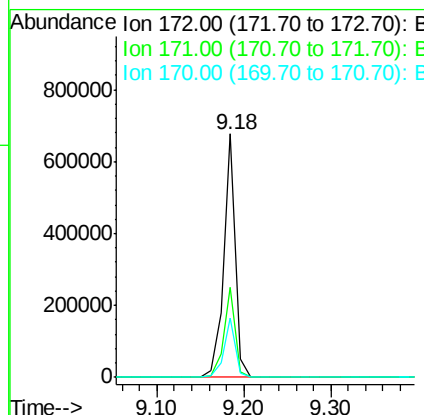
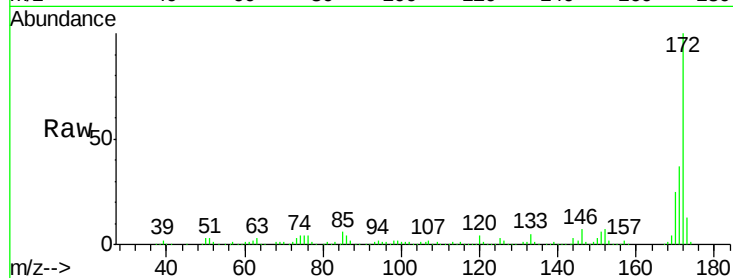




#44
 2-Fluorobiphenyl
 Concen: 94.54 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF084045.D
 Acq: 23 Dec 2015 20:42

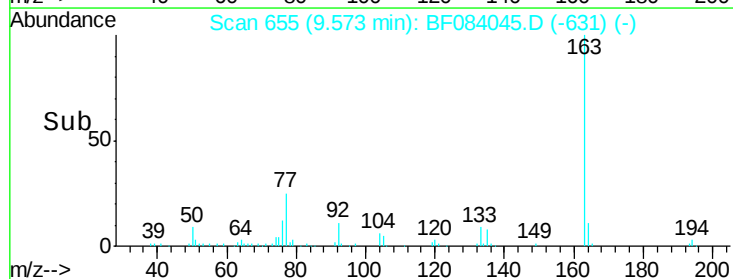
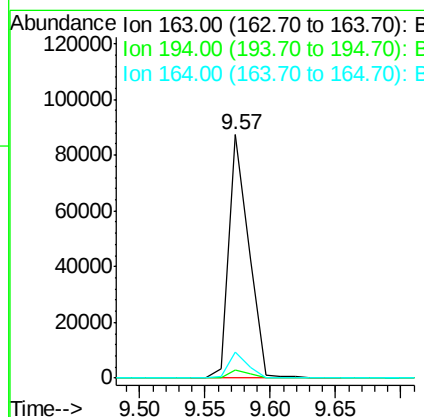
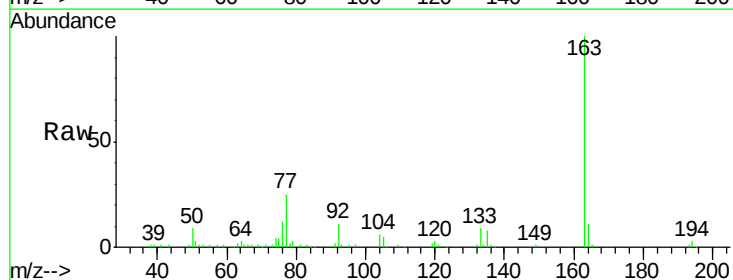
Instrument :
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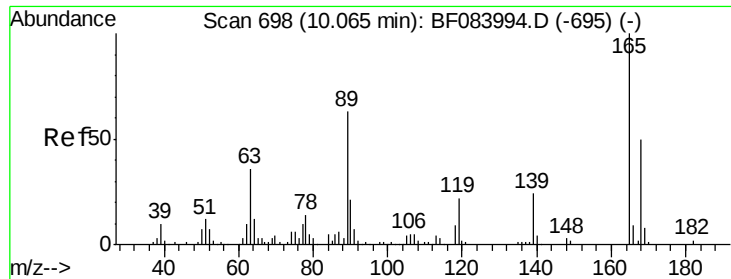
Tgt Ion:172 Resp: 637438
 Ion Ratio Lower Upper
 172 100
 171 37.0 28.9 43.3
 170 24.5 18.6 27.8



#49
 Dimethylphthalate
 Concen: 13.14 ng
 RT: 9.57 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: BF084045.D
 Acq: 23 Dec 2015 20:42

Tgt Ion:163 Resp: 93305
 Ion Ratio Lower Upper
 163 100
 194 3.1 8.0 12.0#
 164 10.9 8.0 12.0

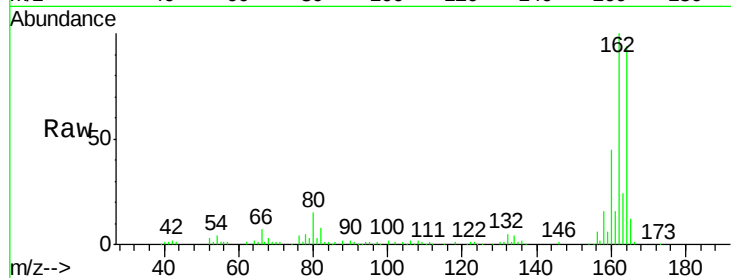




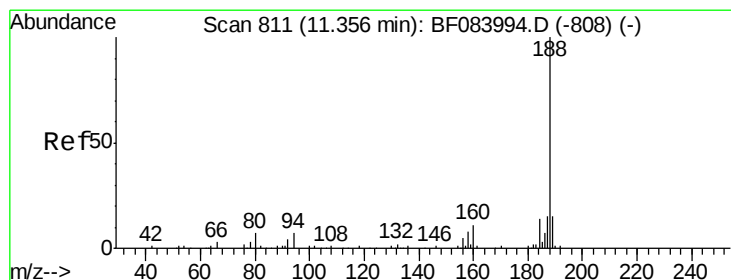
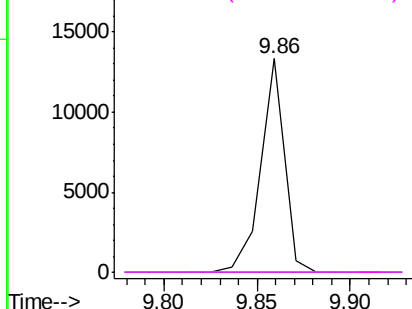
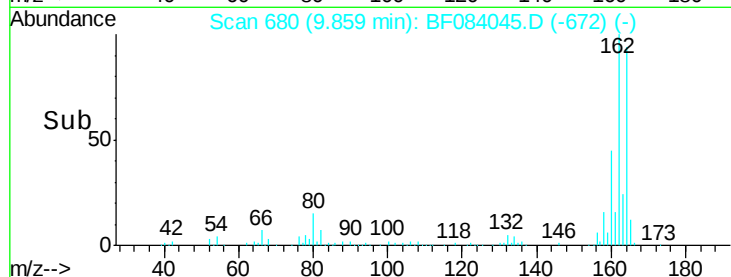
#56
 2,4-Dinitrotoluene
 Concen: 6.20 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.21 min
 Lab File: BF084045.D
 Acq: 23 Dec 2015 20:42

Instrument :
 BNA_F
 ClientSampleId :
 JFK-COMP

Tgt Ion:165 Resp: 11674
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.7 55.1#
 89 0.0 61.9 92.9#
 182 0.0 2.0 3.0#

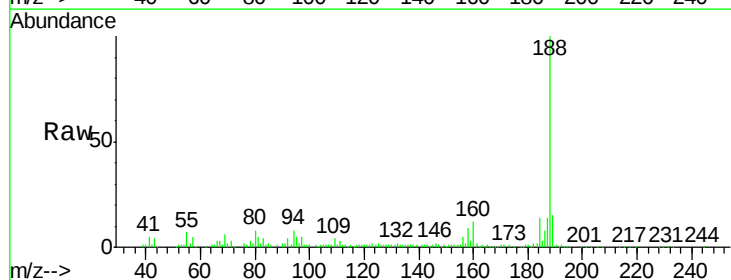


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

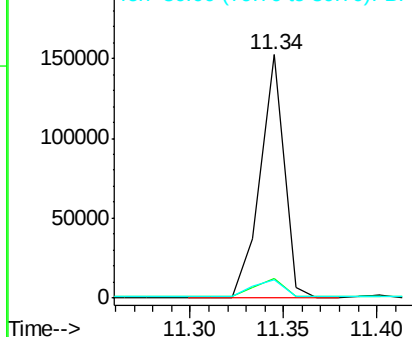
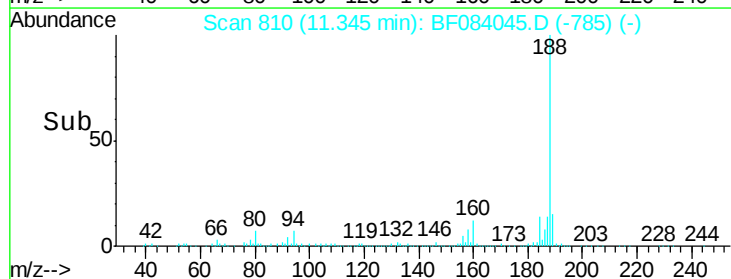


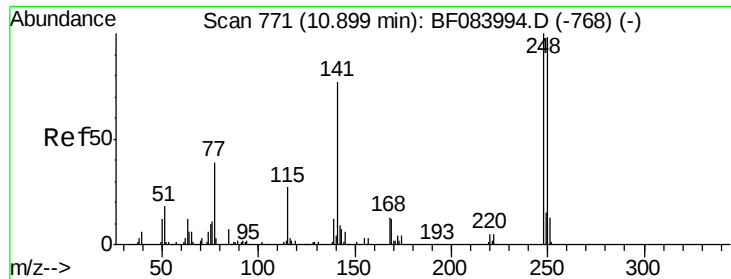
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF084045.D
 Acq: 23 Dec 2015 20:42

Tgt Ion:188 Resp: 135411
 Ion Ratio Lower Upper
 188 100
 94 7.8 9.0 13.4#
 80 7.8 9.6 14.4#



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

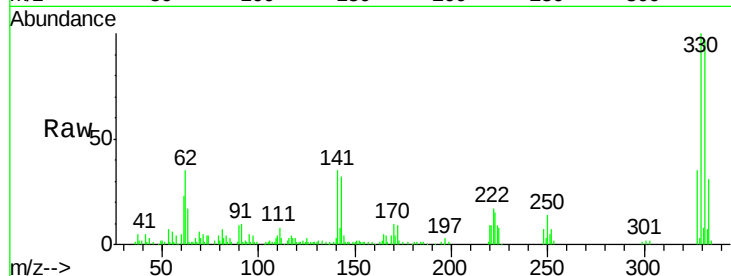




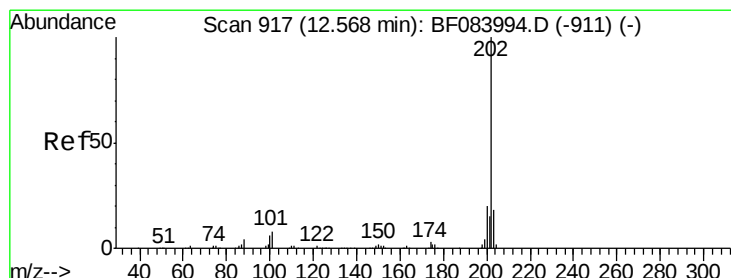
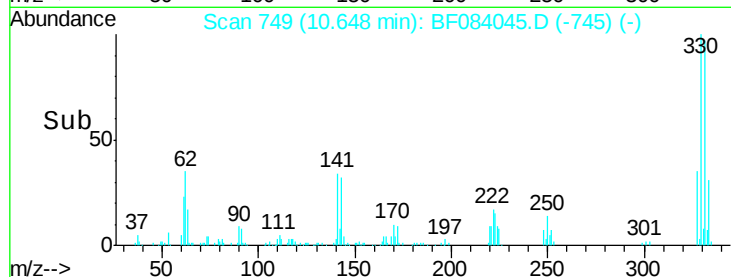
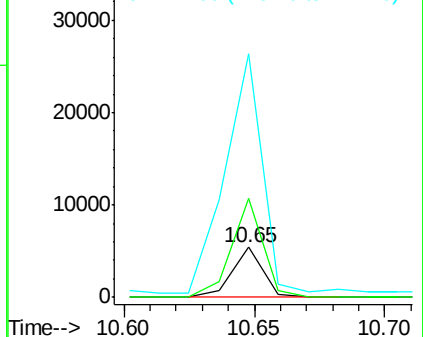
#66
4-Bromophenyl-phenylether
Concen: 2.92 ng
RT: 10.65 min Scan# 749
Delta R.T. -0.25 min
Lab File: BF084045.D
Acq: 23 Dec 2015 20:42

Instrument :
BNA_F
ClientSampleId :
JFK-COMP

Tgt Ion: 248 Resp: 4530
Ion Ratio Lower Upper
248 100
250 198.7 78.4 117.6#
141 486.3 44.0 66.0#

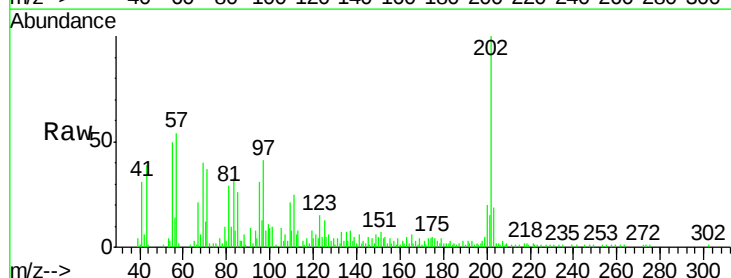


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

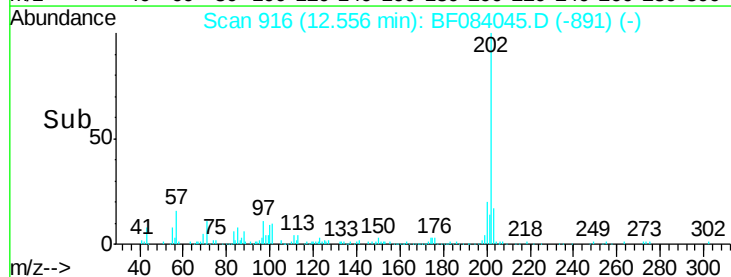
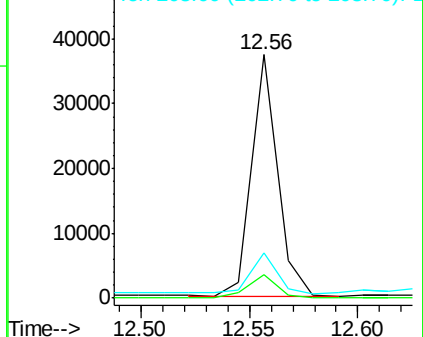


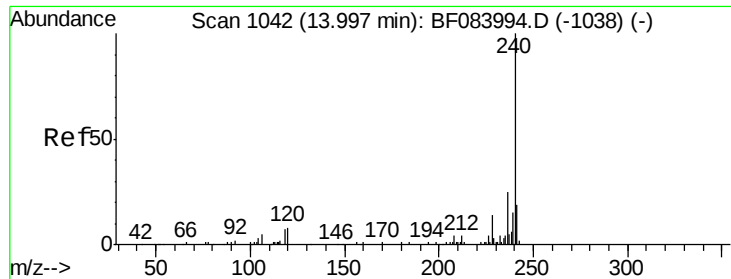
#74
Fluoranthene
Concen: 4.07 ng
RT: 12.56 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF084045.D
Acq: 23 Dec 2015 20:42

Tgt Ion: 202 Resp: 30855
Ion Ratio Lower Upper
202 100
101 9.6 0.0 32.8
203 18.6 0.0 37.9



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: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

Instrument :

BNA_F

ClientSampleId :

JFK-COMP

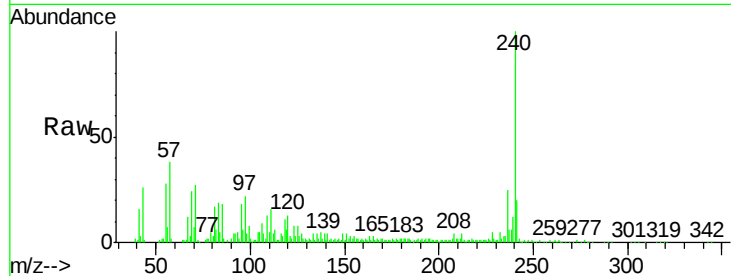
Tgt Ion:240 Resp: 87841

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

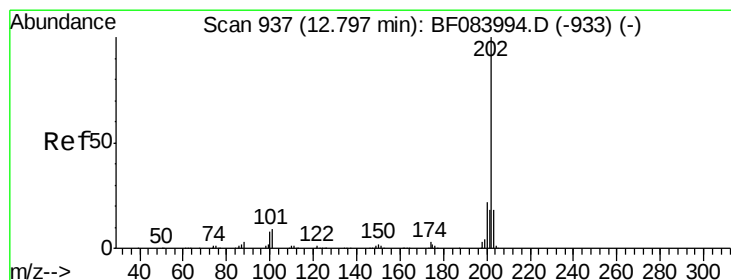
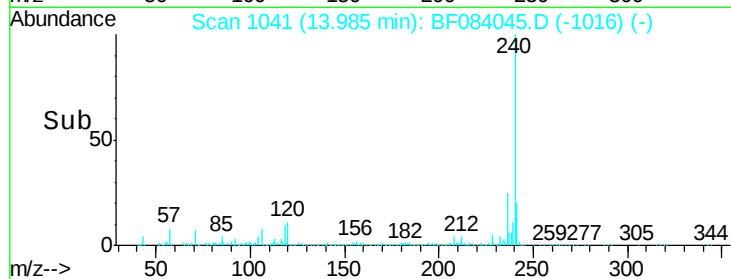
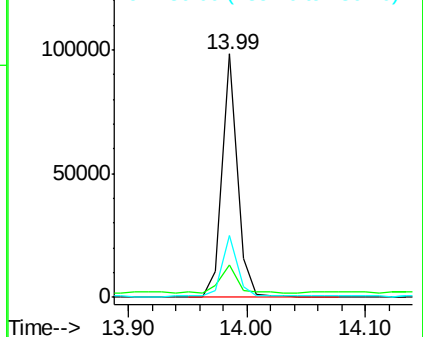
236 25.4 20.6 31.0



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: 4.93 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

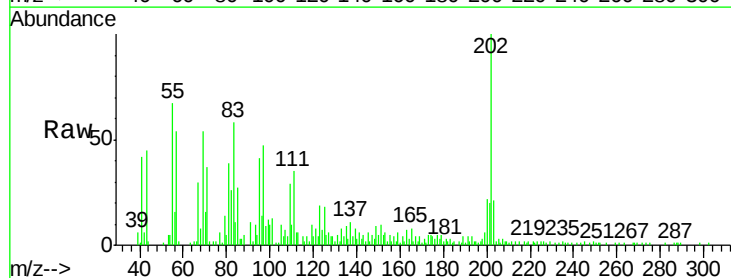
Tgt Ion:202 Resp: 29378

Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

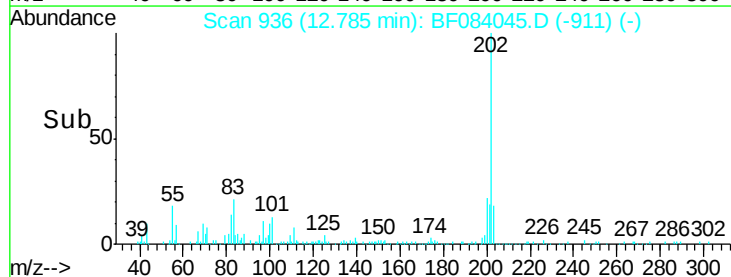
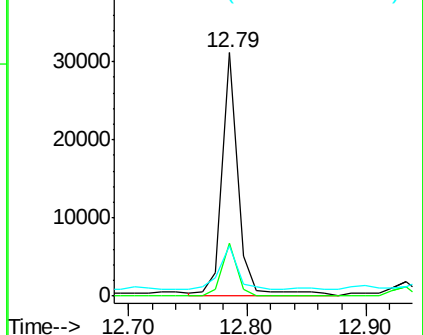
203 20.5 14.3 21.5

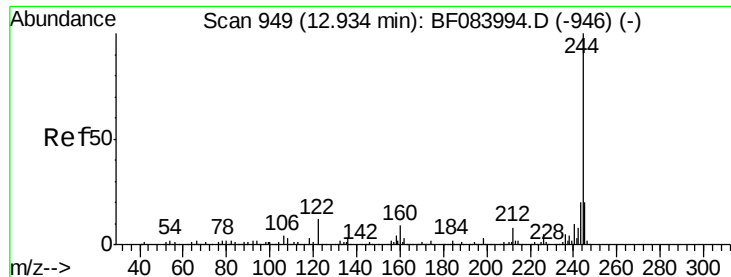


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 121.33 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

Instrument :

BNA_F

ClientSampleId :

JFK-COMP

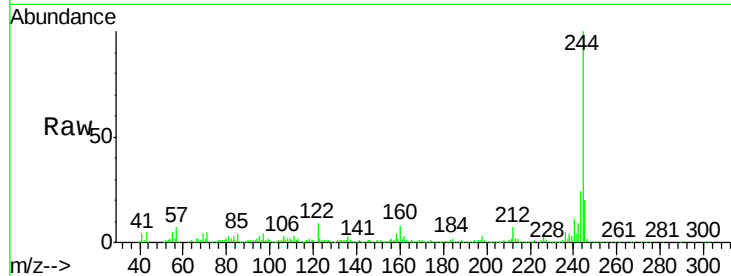
Tgt Ion:244 Resp: 446891

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

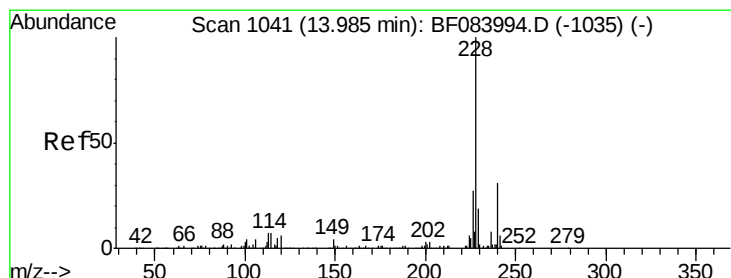
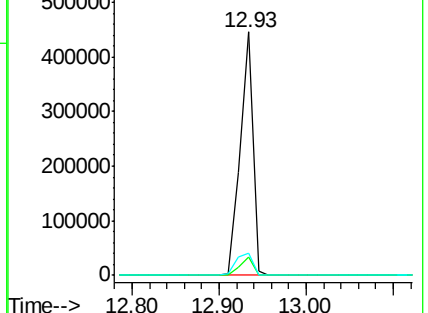
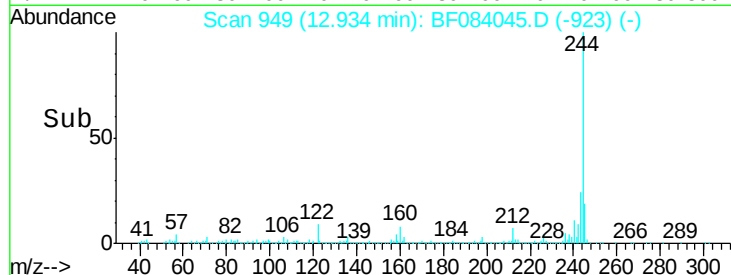
122 9.4 7.4 11.0



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: 3.48 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

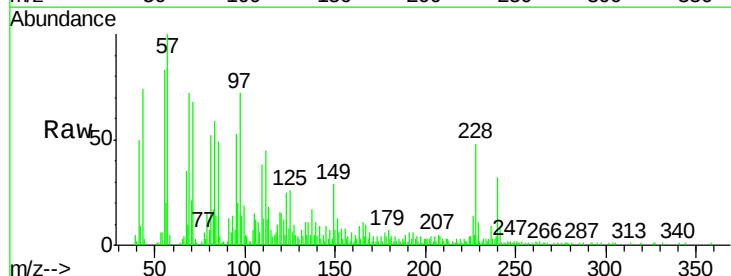
Tgt Ion:228 Resp: 17616

Ion Ratio Lower Upper

228 100

226 28.3 21.8 32.6

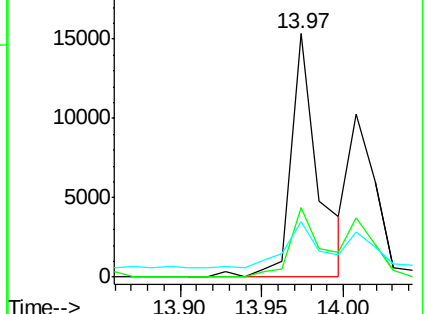
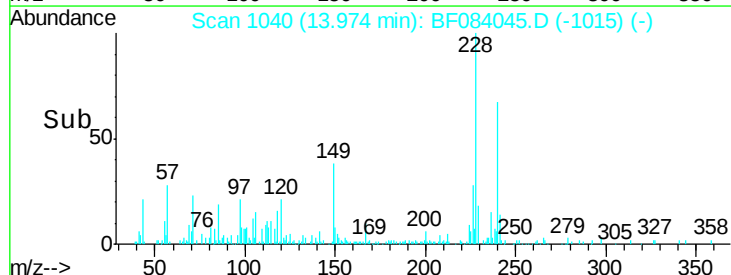
229 23.0 15.8 23.8

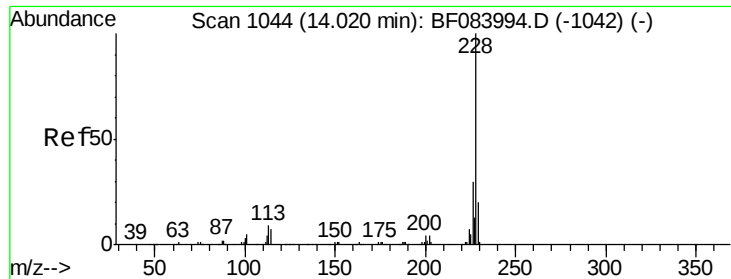


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.75 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

Instrument :

BNA_F

ClientSampleId :

JFK-COMP

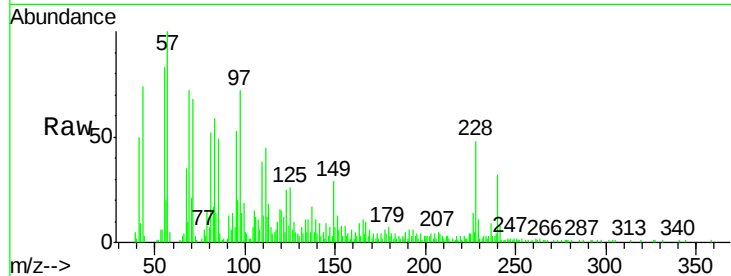
Tgt Ion: 228 Resp: 17616

Ion Ratio Lower Upper

228 100

226 28.3 24.3 36.5

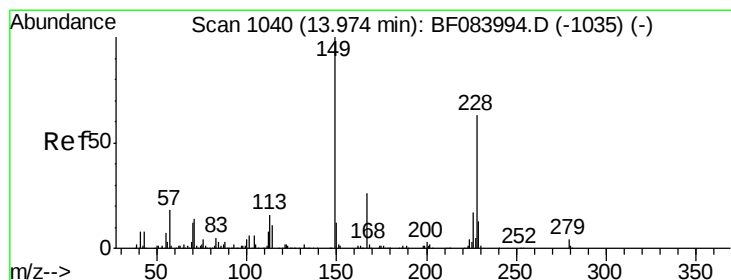
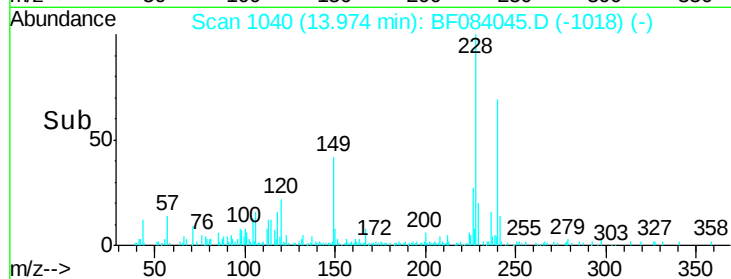
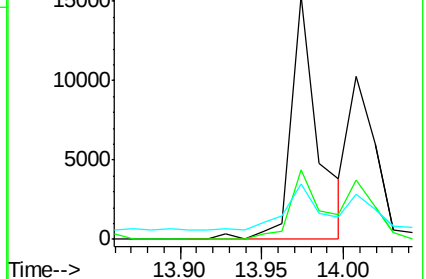
229 23.0 16.1 24.1



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.18 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

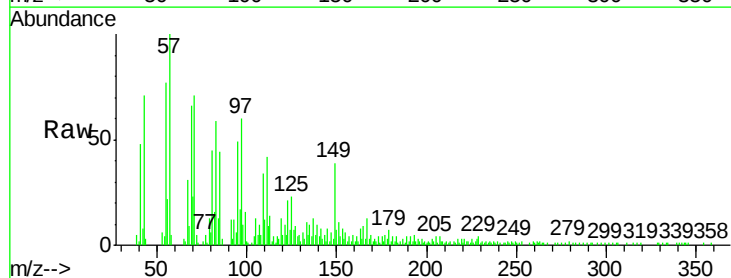
Tgt Ion: 149 Resp: 12093

Ion Ratio Lower Upper

149 100

167 32.1 19.7 29.5#

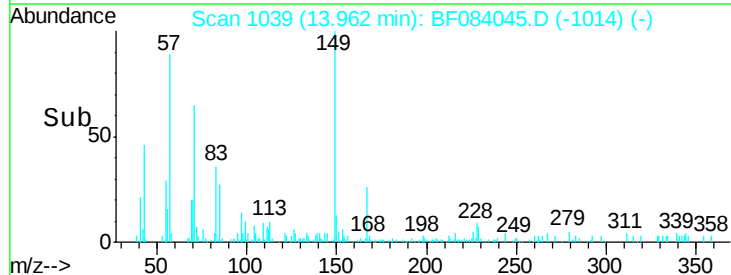
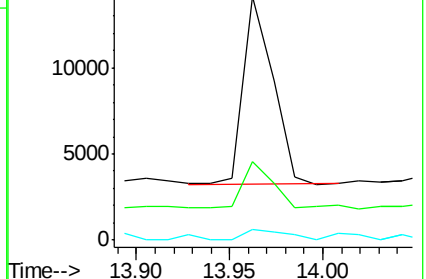
279 4.2 1.8 2.6#

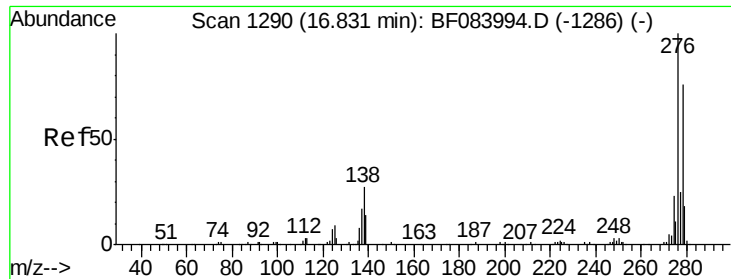


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.66 ng

RT: 16.84 min Scan# 1291

Delta R.T. 0.01 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

Instrument :

BNA_F

ClientSampleId :

JFK-COMP

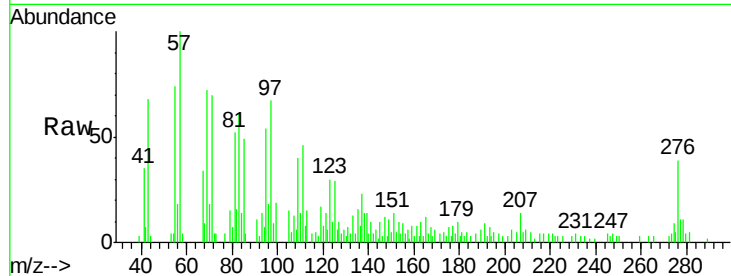
Tgt Ion:276 Resp: 10359

Ion Ratio Lower Upper

276 100

138 16.6 20.6 30.8#

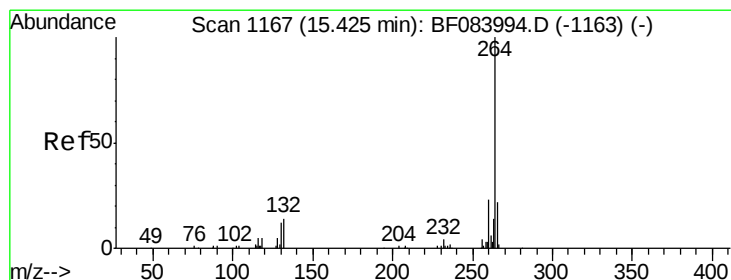
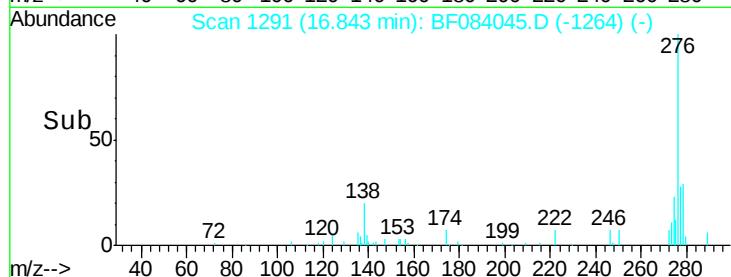
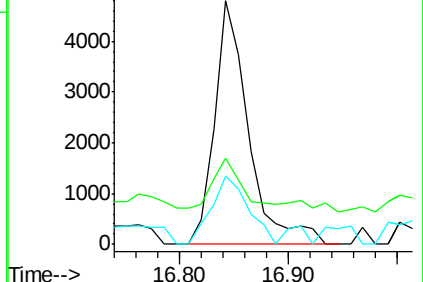
277 30.7 20.1 30.1#



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

Perylene-d12

Concen: 20.00 ng

RT: 15.41 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

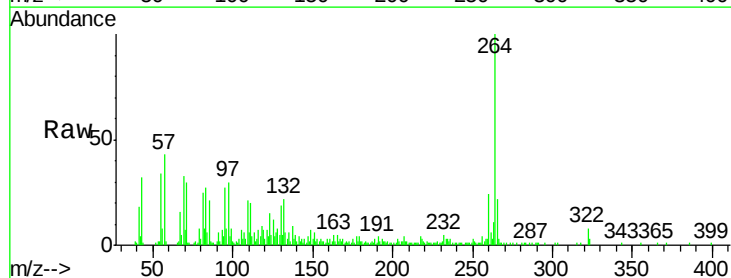
Tgt Ion:264 Resp: 88153

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

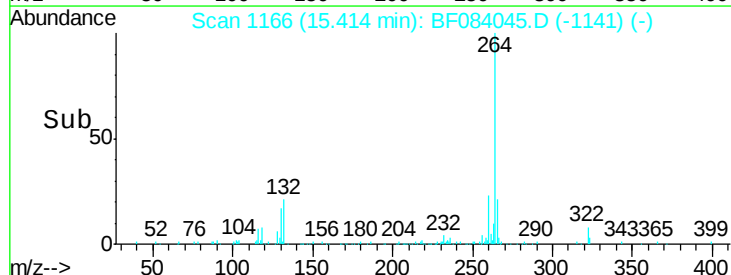
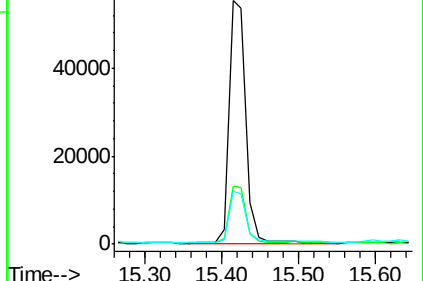
265 21.6 17.8 26.6

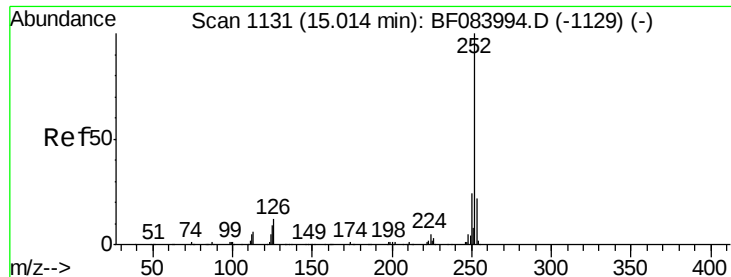


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

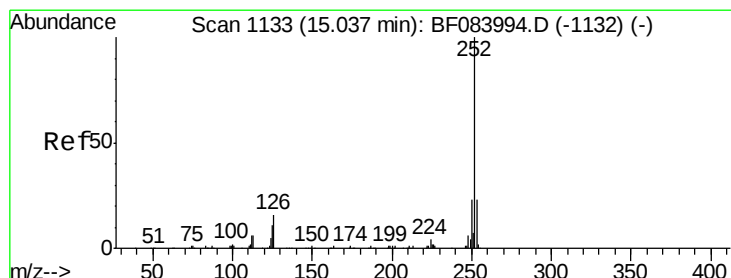
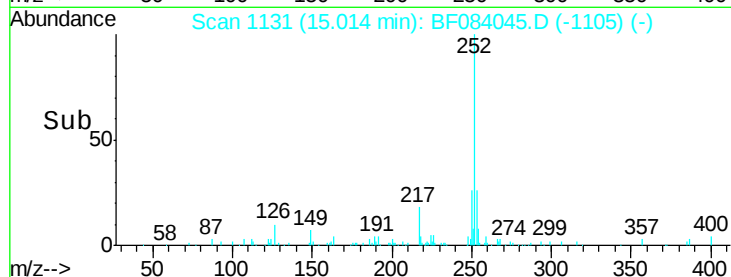
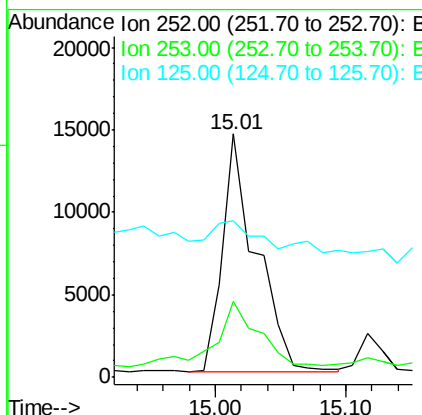
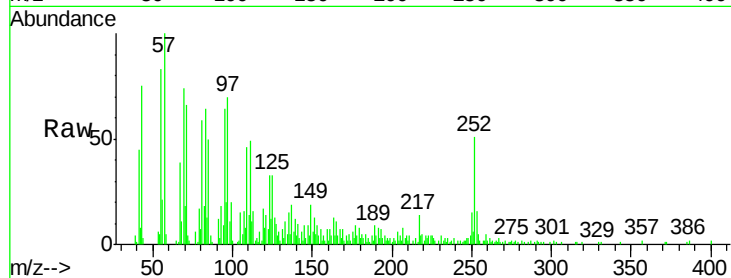




#87
Benzo(b)fluoranthene
Concen: 4.71 ng
RT: 15.01 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF084045.D
Acq: 23 Dec 2015 20:42

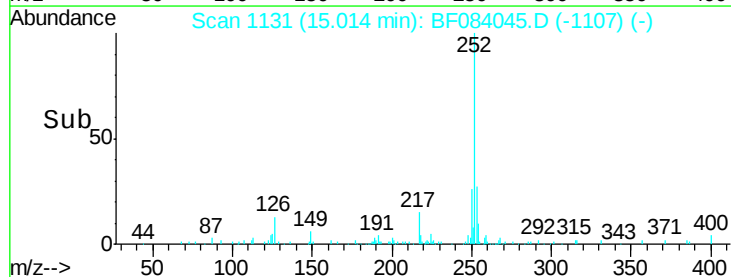
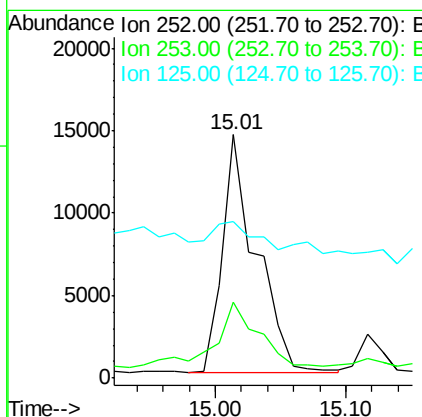
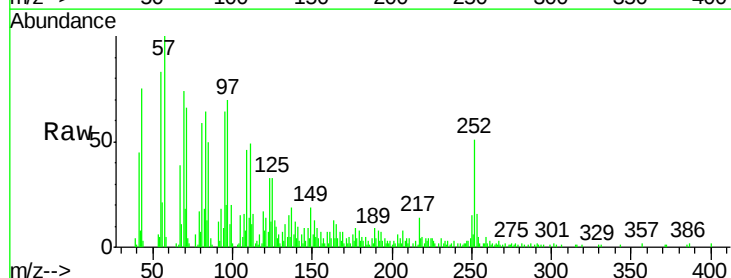
Instrument :
BNA_F
ClientSampleId :
JFK-COMP

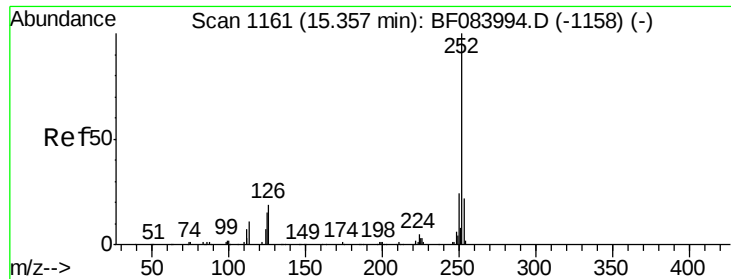
Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.2	17.3	25.9#
125	64.3	6.5	9.7#



#88
Benzo(k)fluoranthene
Concen: 4.95 ng
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF084045.D
Acq: 23 Dec 2015 20:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.2	18.1	27.1#
125	64.3	9.0	13.6#





#89

Benzo(a)pyrene

Concen: 2.84 ng

RT: 15.37 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

Instrument :

BNA_F

ClientSampleId :

JFK-COMP

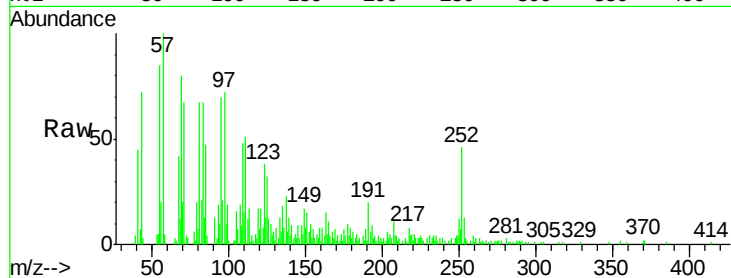
Tgt Ion:252 Resp: 14615

Ion Ratio Lower Upper

252 100

253 27.4 17.3 25.9#

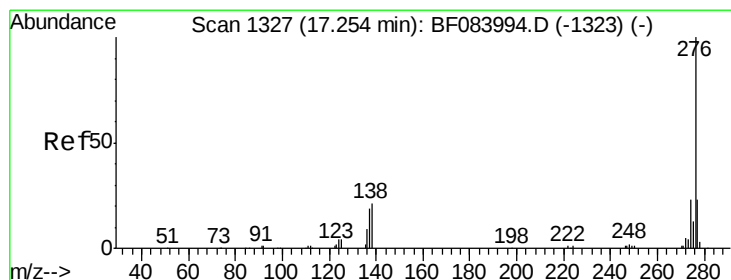
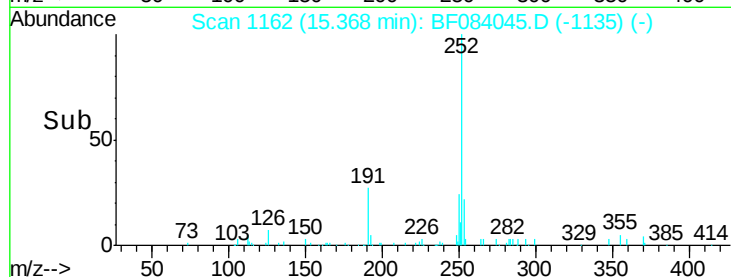
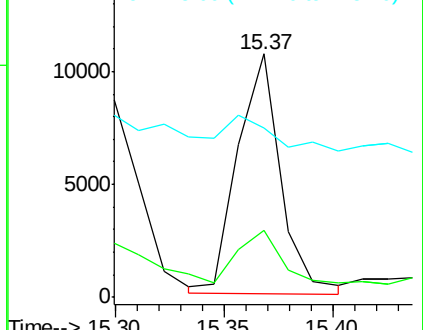
125 69.6 7.0 10.4#



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: 2.14 ng

RT: 17.27 min Scan# 1328

Delta R.T. 0.01 min

Lab File: BF084045.D

Acq: 23 Dec 2015 20:42

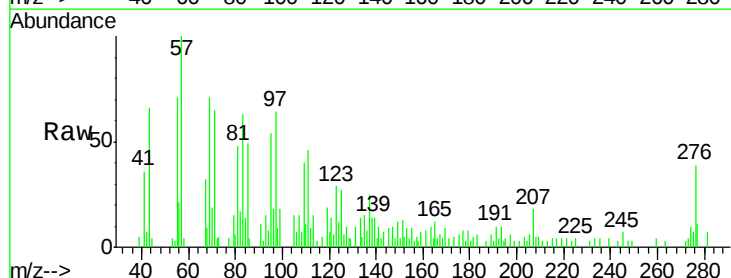
Tgt Ion:276 Resp: 9231

Ion Ratio Lower Upper

276 100

277 28.5 18.8 28.2#

138 36.0 17.8 26.6#



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

