

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041816\
 Data File : BF086288.D
 Acq On : 18 Apr 2016 18:10
 Operator : UM/SJ
 Sample : H2413-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-G-7(0-2)

Quant Time: Apr 19 00:52:05 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	355620	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	1299313	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	536523	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	787531	20.00	ng	0.00
75) Chrysene-d12	14.04	240	568840	20.00	ng	-0.01
86) Perylene-d12	15.48	264	519772	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1894907	87.31	ng	0.01
7) Phenol-d6	6.52	99	2665234	98.17	ng	0.00
23) Nitrobenzene-d5	7.45	82	1547510	68.70	ng	-0.01
41) 2,4,6-Tribromophenol	10.72	330	366650	85.10	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1925084	66.21	ng	-0.01
78) Terphenyl-d14	12.99	244	1057342	46.74	ng	-0.01

Target Compounds

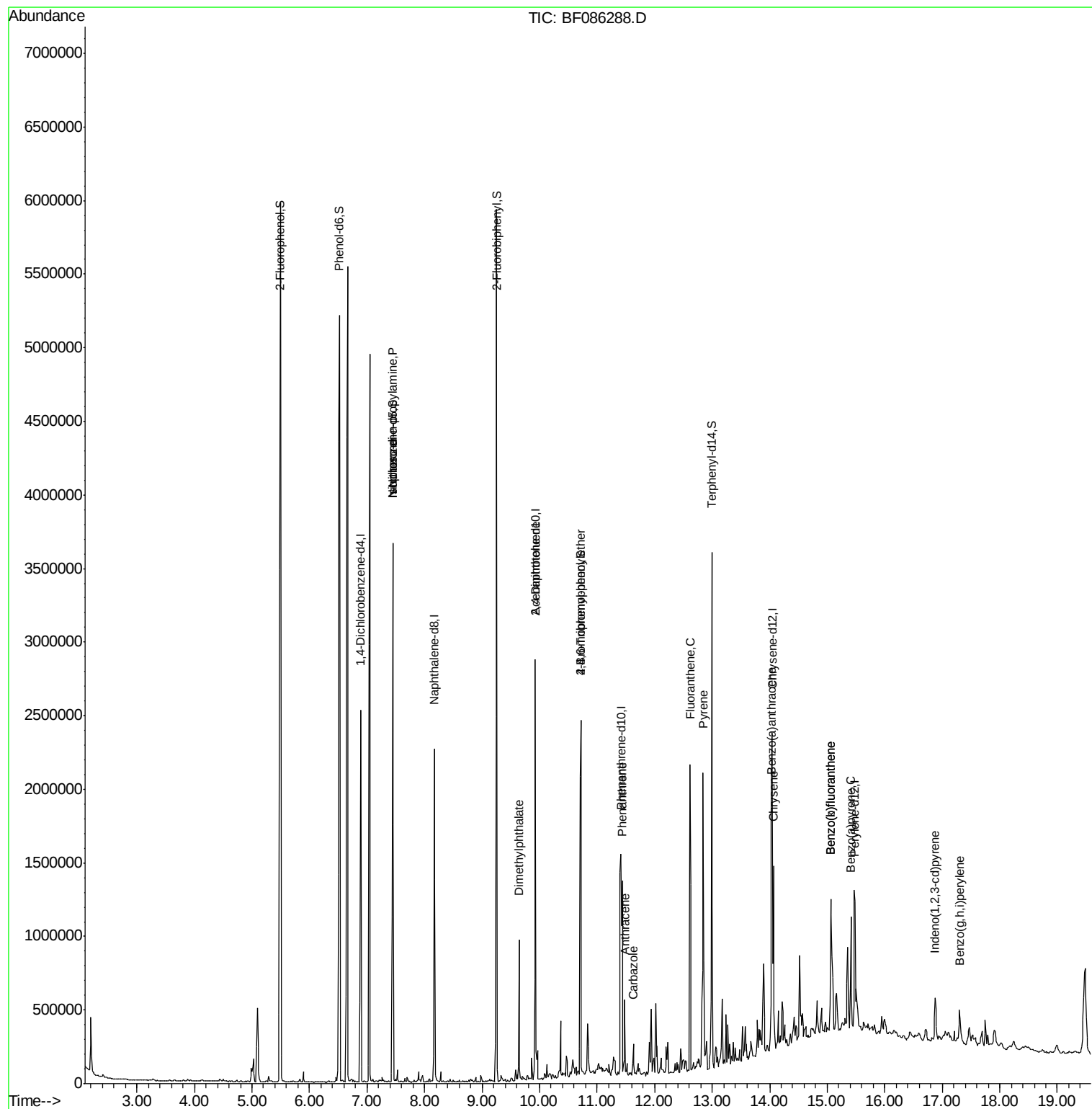
						Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	207162	11.92	ng	# 83
22) Acetophenone	7.29	105	1694	Below	Cal	# 57
25) Isophorone	7.45	82	1260840	28.21	ng	# 67
49) Dimethylphthalate	9.64	163	337143	8.64	ng	99
56) 2,4-Dinitrotoluene	9.93	165	72075	6.52	ng	# 31
57) Fluorene	10.48	166	50409	Below	Cal	95
66) 4-Bromophenyl-phenylether	10.72	248	24032	3.27	ng	# 1
70) Phenanthrene	11.44	178	665022	17.68	ng	98
71) Anthracene	11.48	178	187001	3.24	ng	96
72) Carbazole	11.63	167	78831	2.20	ng	97
74) Fluoranthene	12.61	202	1002084	28.94	ng	96
77) Pyrene	12.84	202	866540	19.86	ng	99
80) Benzo(a)anthracene	14.03	228	539367	17.27	ng	99
82) Chrysene	14.07	228	387212	11.63	ng	96
85) Indeno(1,2,3-cd)pyrene	16.88	276	190819	6.97	ng	98
87) Benzo(b)fluoranthene	15.06	252	735936	22.95	ng	# 94
88) Benzo(k)fluoranthene	15.06	252	735936	25.17	ng	# 91
89) Benzo(a)pyrene	15.41	252	362040	13.03	ng	97
91) Benzo(g,h,i)perylene	17.30	276	176843	6.78	ng	96

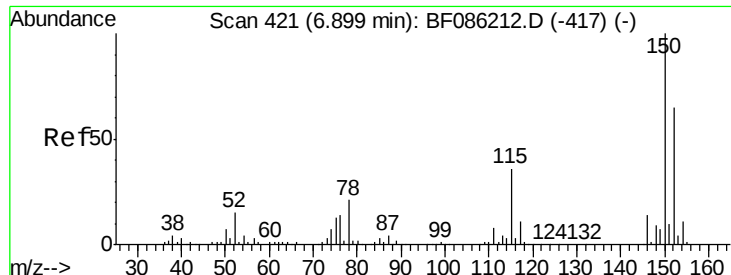
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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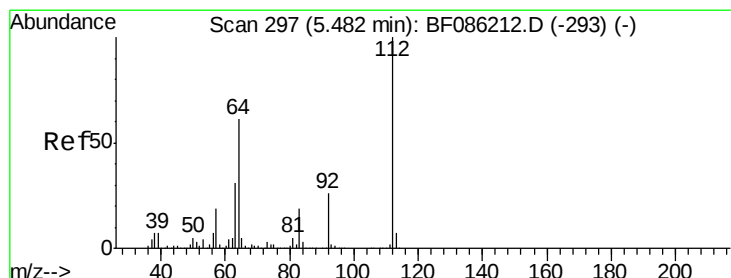
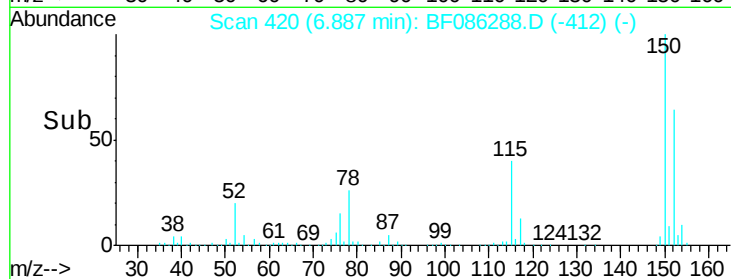
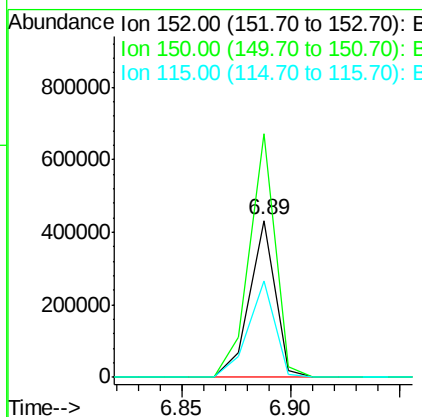
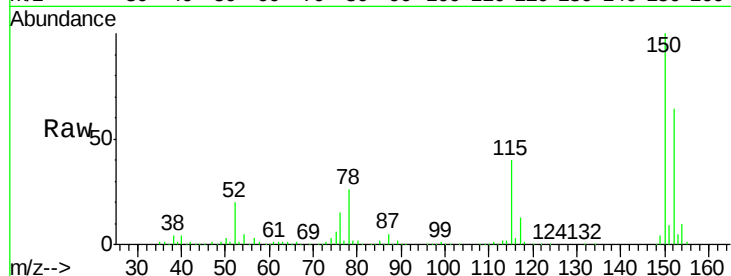




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.89 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BF086288.D
 Acq: 18 Apr 2016 18:10

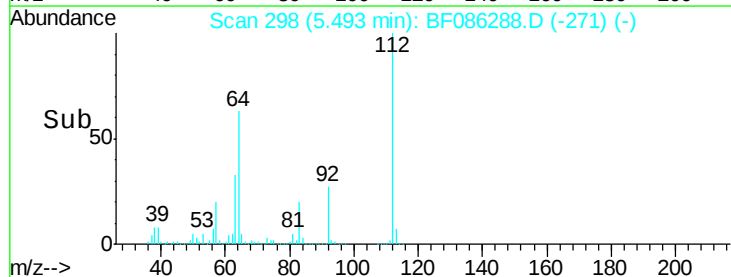
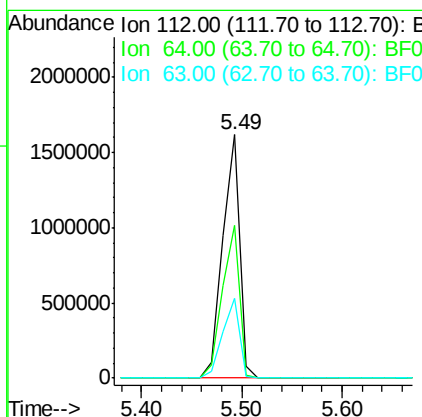
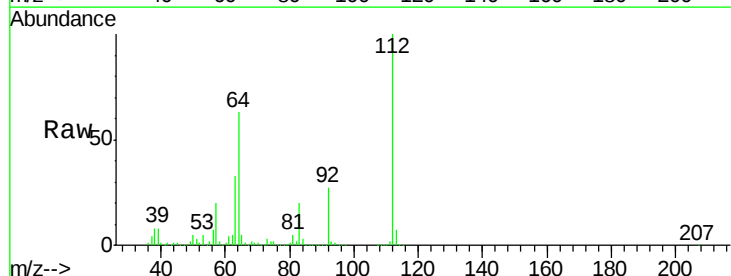
Instrument :
 BNA_F
 ClientSampleId :
 SP-2-G-7(0-2)

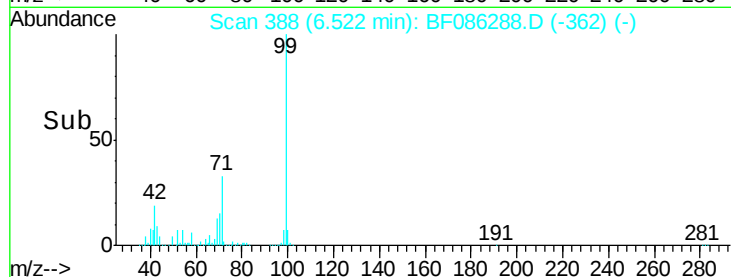
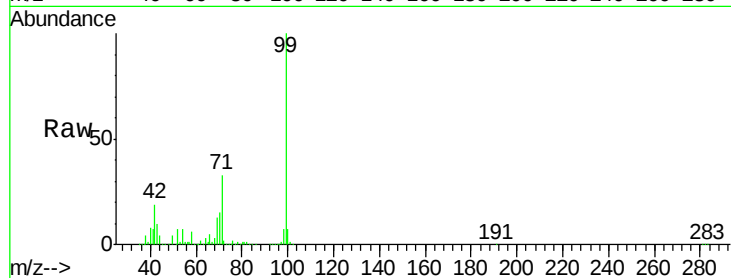
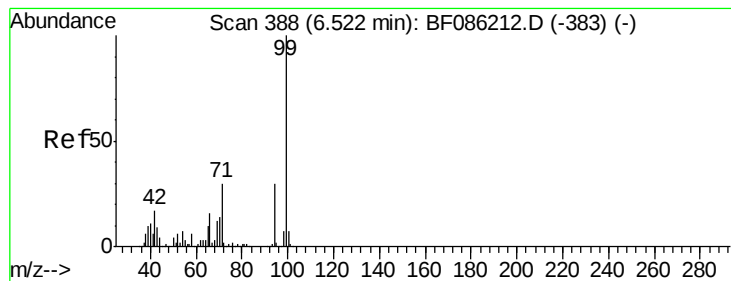
Tgt Ion:152 Resp: 355620
 Ion Ratio Lower Upper
 152 100
 150 155.4 124.1 186.1
 115 61.4 43.9 65.9



#5
 2-Fluorophenol
 Concen: 87.31 ng
 RT: 5.49 min Scan# 298
 Delta R.T. 0.01 min
 Lab File: BF086288.D
 Acq: 18 Apr 2016 18:10

Tgt Ion:112 Resp: 1894907
 Ion Ratio Lower Upper
 112 100
 64 62.9 48.1 72.1
 63 32.9 25.5 38.3





#7

Phenol-d6

Concen: 98.17 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Instrument :

BNA_F

ClientSampleId :

SP-2-G-7(0-2)

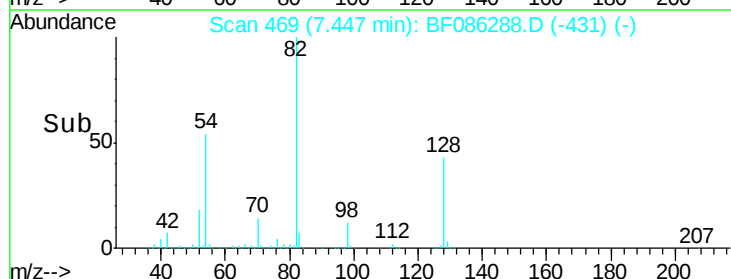
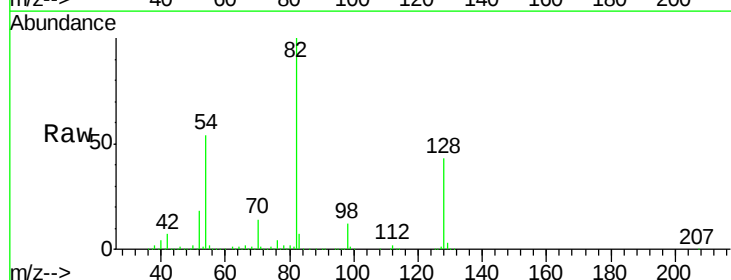
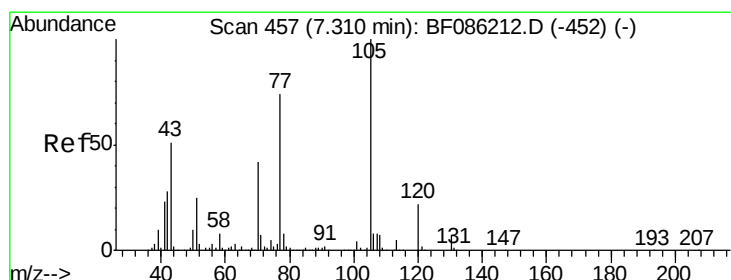
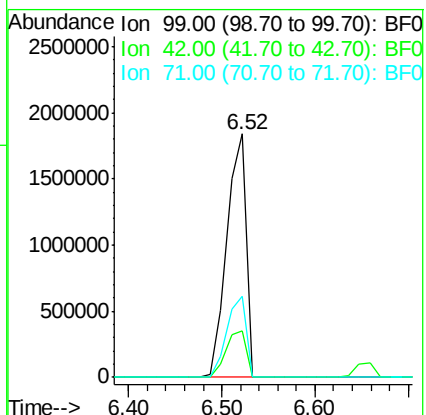
Tgt Ion: 99 Resp: 2665234

Ion Ratio Lower Upper

99 100

42 19.2 15.4 23.2

71 33.1 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 11.92 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.14 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Tgt Ion: 70 Resp: 207162

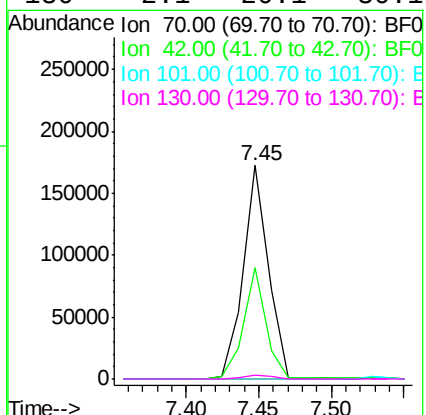
Ion Ratio Lower Upper

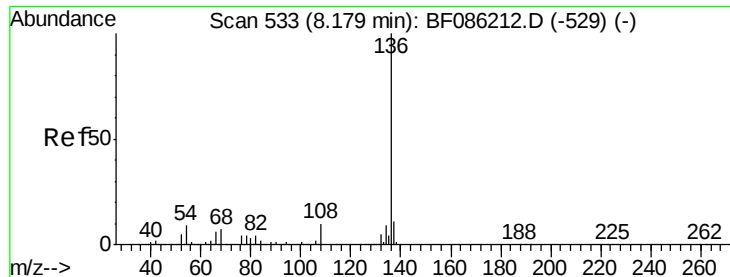
70 100

42 52.1 43.0 64.4

101 0.0 8.1 12.1#

130 2.1 20.1 30.1#



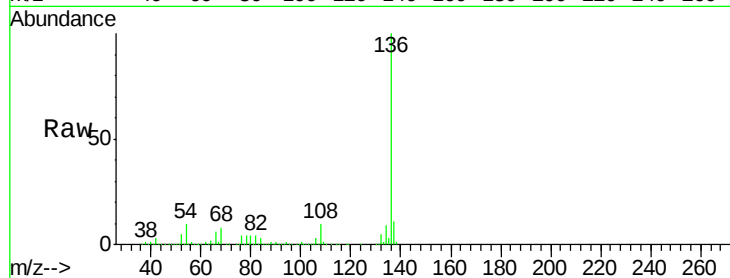


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.01 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

Instrument :
BNA_F
ClientSampleId :
SP-2-G-7(0-2)

Tgt Ion: 136 Resp: 1299313

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	10.0	7.3	10.9
68	8.2	5.7	8.5

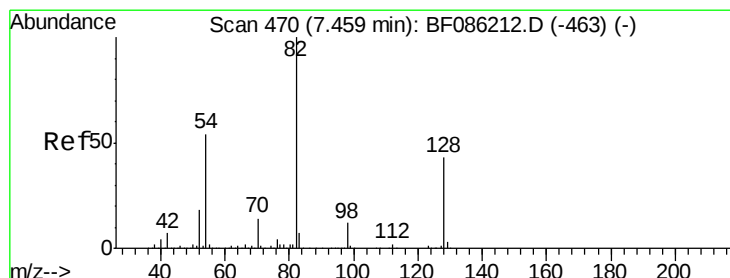
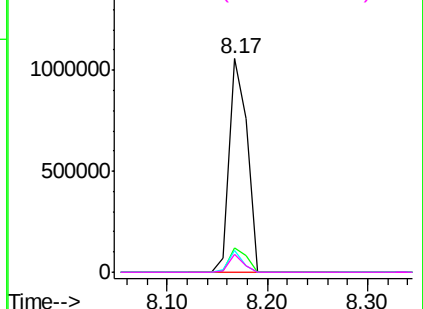
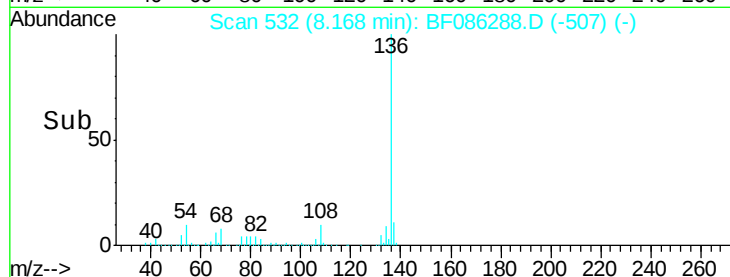


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

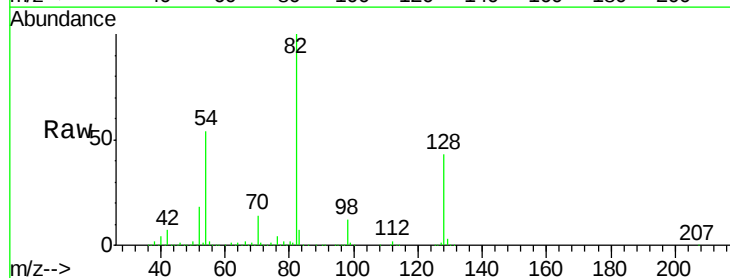
Ion 68.00 (67.70 to 68.70): BF0



#23
Nitrobenzene-d5
Concen: 68.70 ng
RT: 7.45 min Scan# 469
Delta R.T. -0.01 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

Tgt Ion: 82 Resp: 1547510

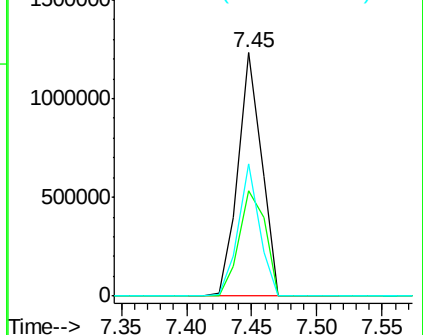
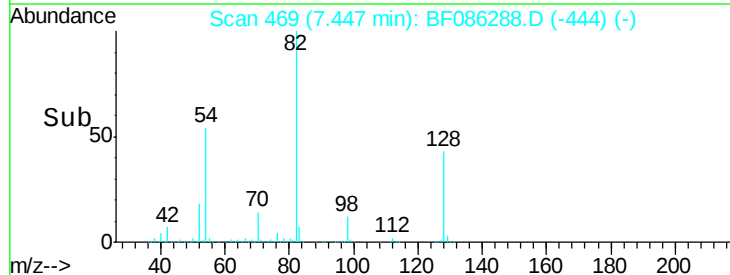
Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.4	53.2
54	54.5	43.4	65.0

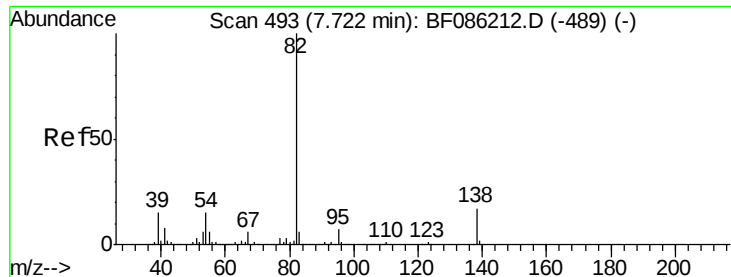


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 28.21 ng

RT: 7.45 min Scan# 469

Delta R.T. -0.27 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Instrument :

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SP-2-G-7(0-2)

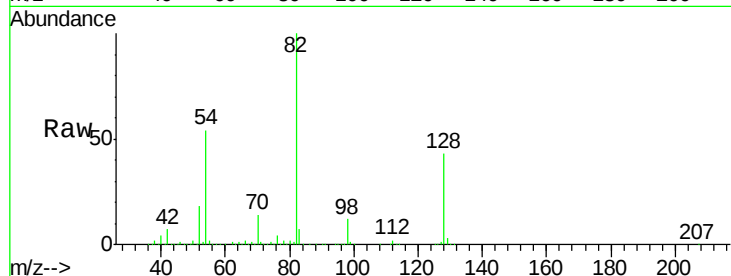
Tgt Ion: 82 Resp: 1260840

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

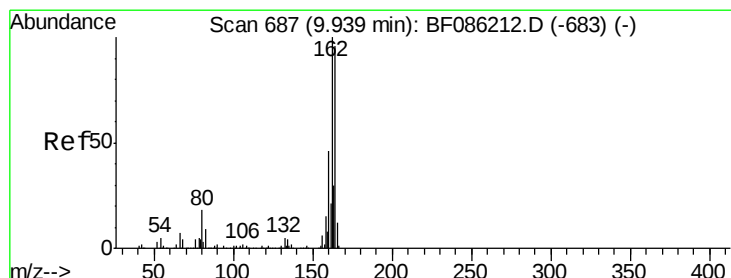
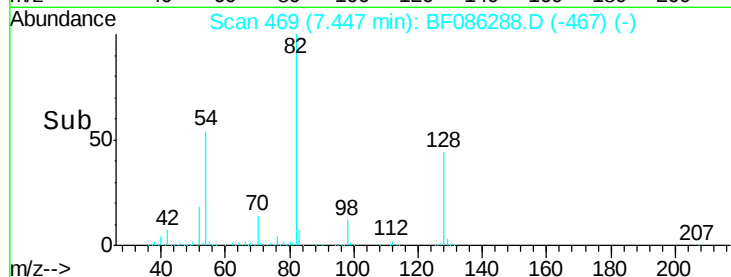
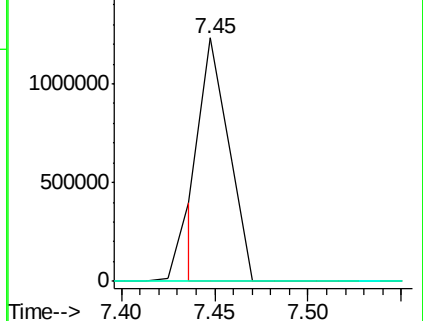
138 0.0 13.4 20.2#



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: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

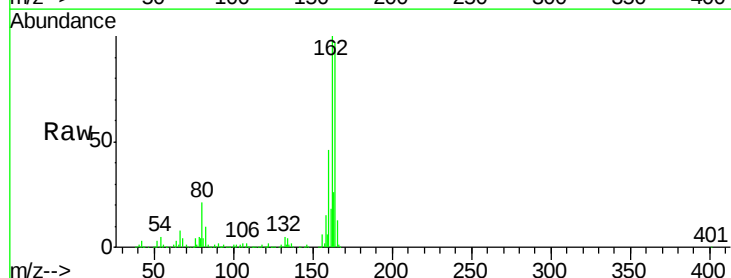
Tgt Ion: 164 Resp: 536523

Ion Ratio Lower Upper

164 100

162 103.0 82.8 124.2

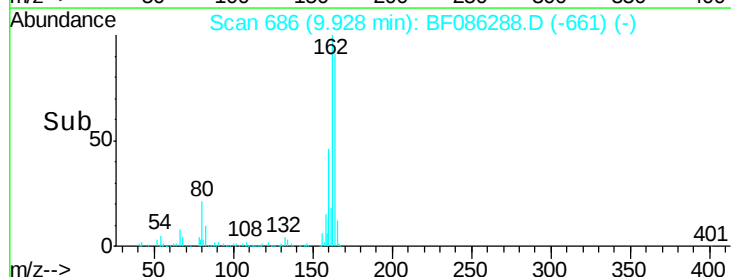
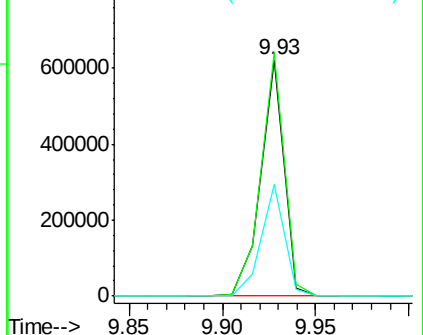
160 47.3 38.9 58.3

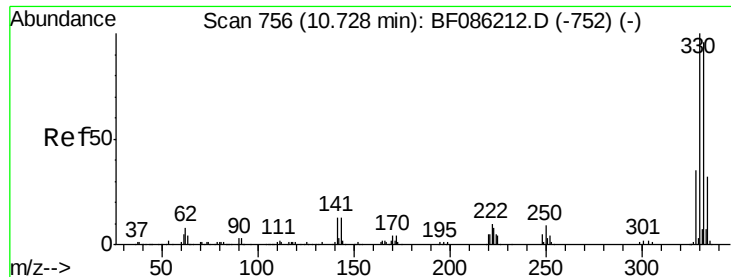


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

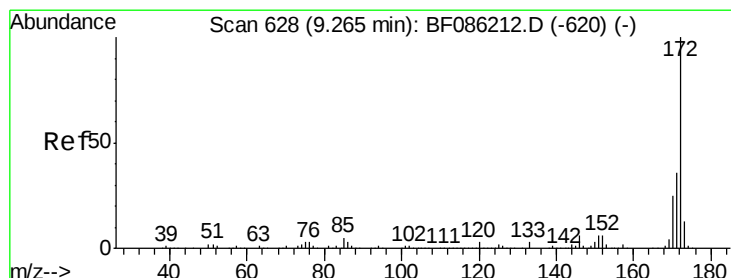
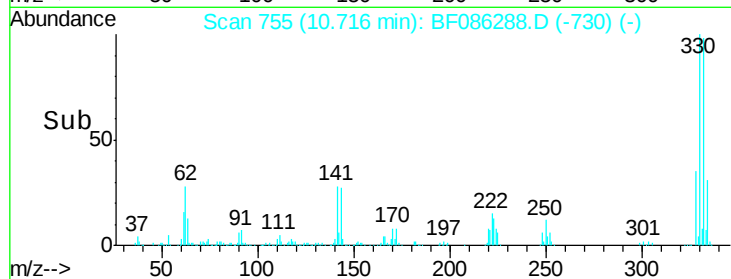
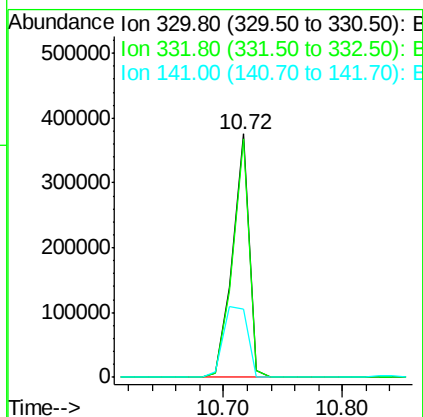
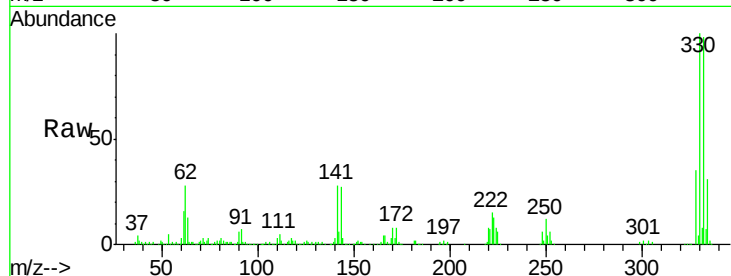




#41
 2,4,6-Tribromophenol
 Concen: 85.10 ng
 RT: 10.72 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BF086288.D
 Acq: 18 Apr 2016 18:10

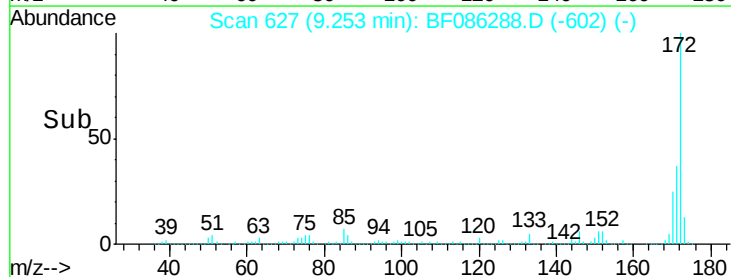
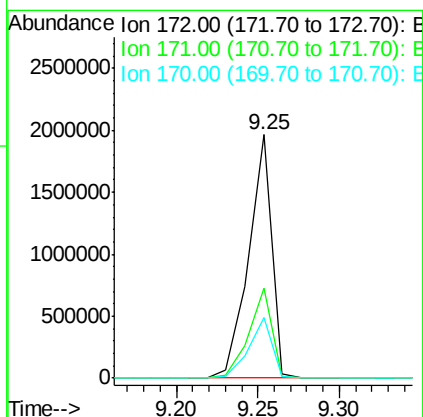
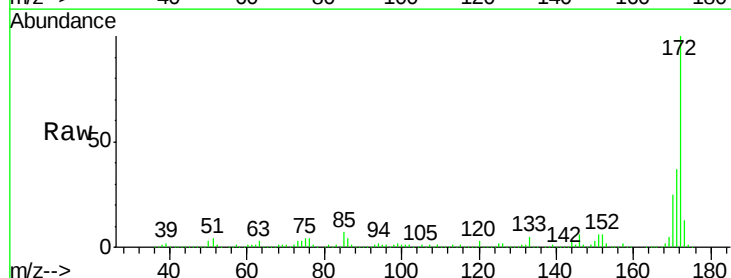
Instrument :
 BNA_F
 ClientSampleId :
 SP-2-G-7(0-2)

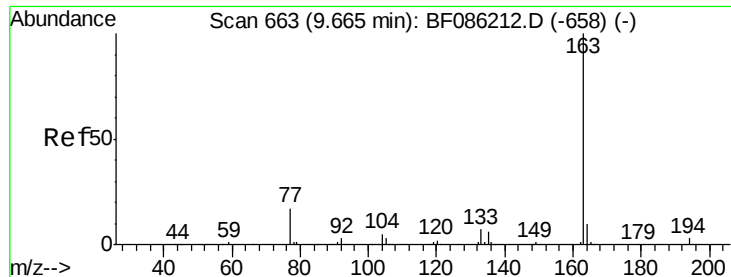
Tgt Ion:330 Resp: 366650
 Ion Ratio Lower Upper
 330 100
 332 97.3 78.7 118.1
 141 42.0 28.6 42.8



#44
 2-Fluorobiphenyl
 Concen: 66.21 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086288.D
 Acq: 18 Apr 2016 18:10

Tgt Ion:172 Resp: 1925084
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.1 43.7
 170 24.9 19.9 29.9

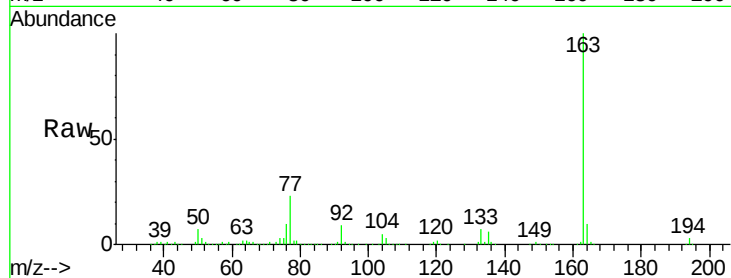




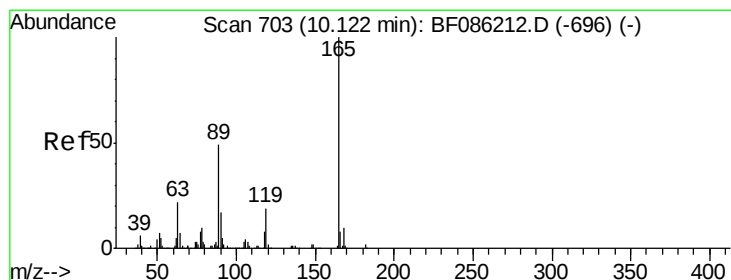
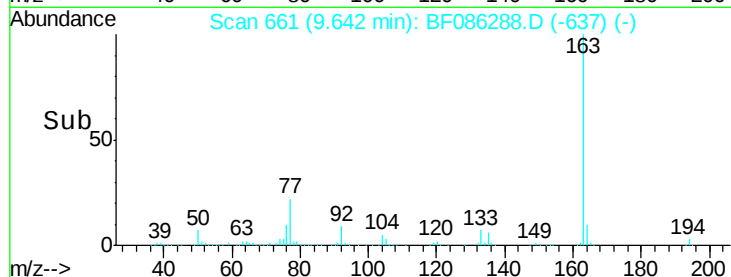
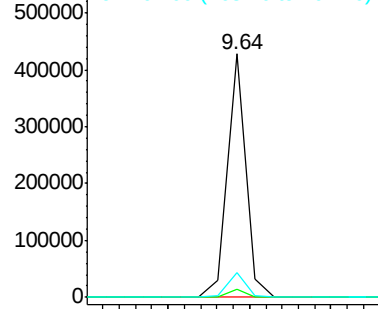
#49
Dimethylphthalate
Concen: 8.64 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.02 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

Instrument :
BNA_F
ClientSampleId :
SP-2-G-7(0-2)

Tgt Ion:163 Resp: 337143
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 10.3 8.4 12.6

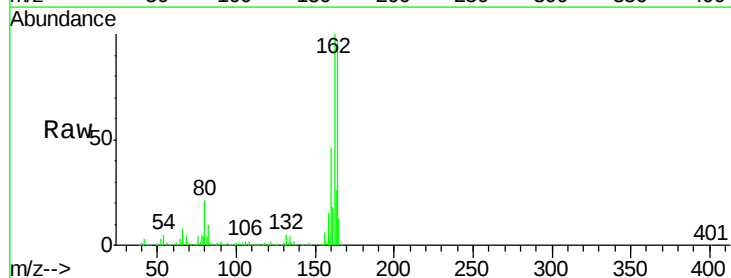


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

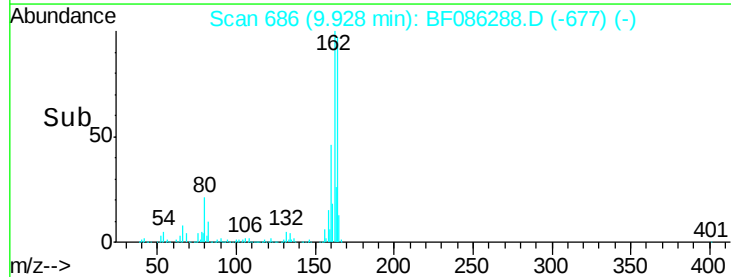
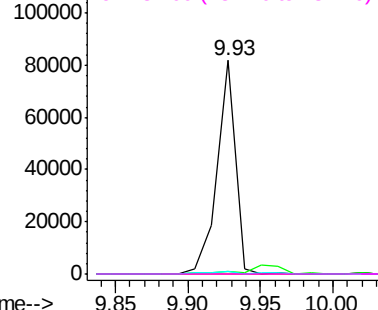


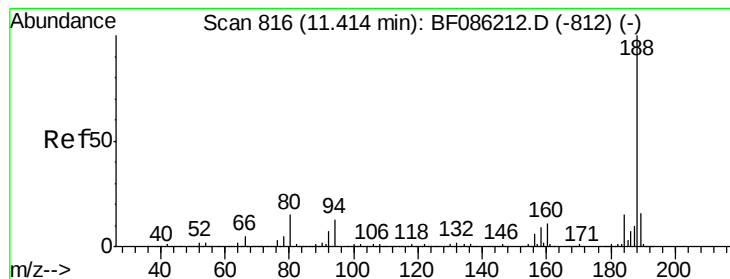
#56
2,4-Dinitrotoluene
Concen: 6.52 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.19 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

Tgt Ion:165 Resp: 72075
Ion Ratio Lower Upper
165 100
63 1.5 26.6 40.0#
89 1.4 49.5 74.3#
182 0.0 1.9 2.9#



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: 11.41 min Scan# 816

Delta R.T. 0.00 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Instrument :

BNA_F

ClientSampleId :

SP-2-G-7(0-2)

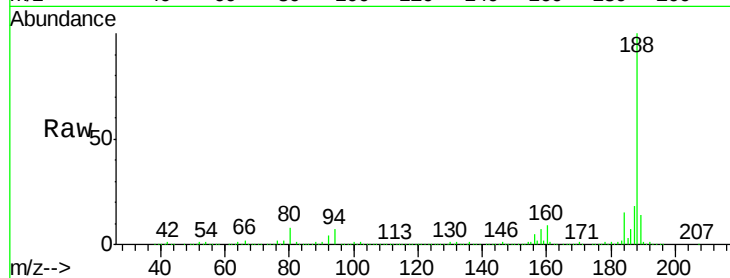
Tgt Ion:188 Resp: 787531

Ion Ratio Lower Upper

188 100

94 7.4 9.8 14.8#

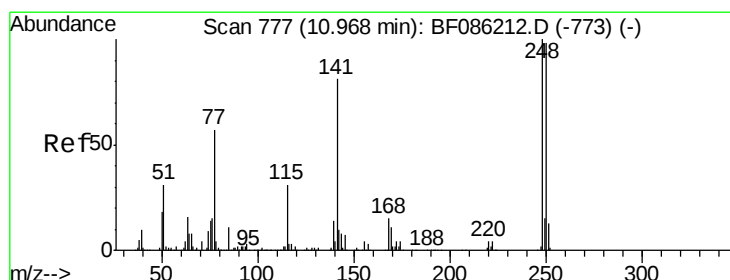
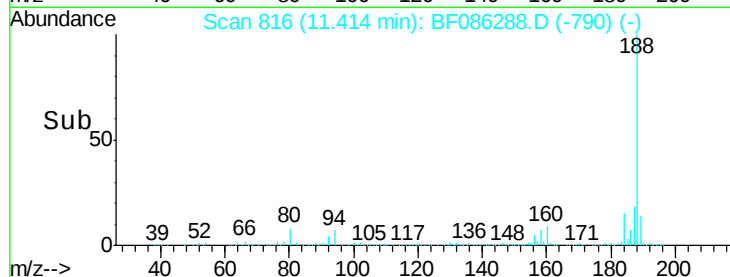
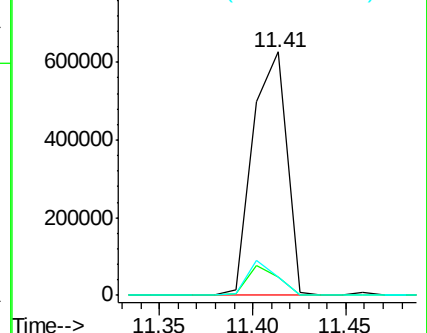
80 7.6 10.5 15.7#



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: 3.27 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.25 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

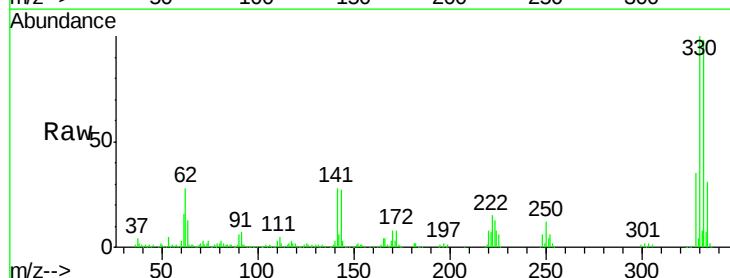
Tgt Ion:248 Resp: 24032

Ion Ratio Lower Upper

248 100

250 204.9 78.6 118.0#

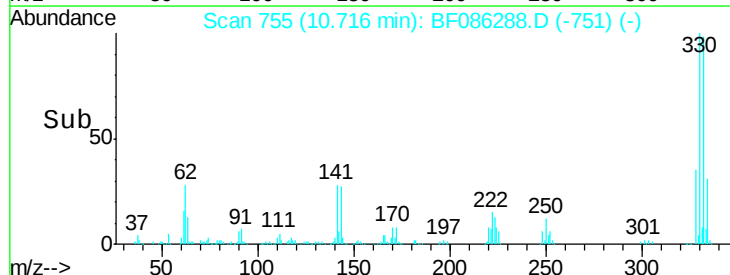
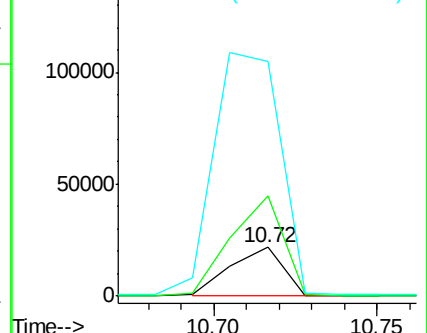
141 482.2 57.9 86.9#

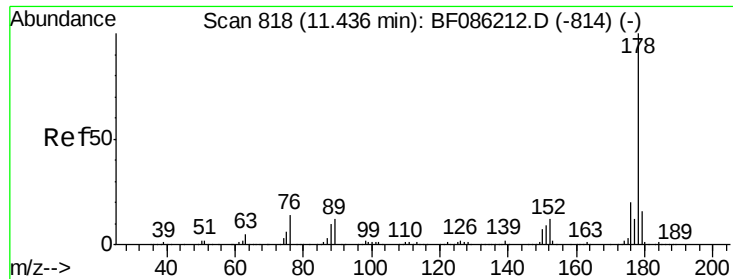


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

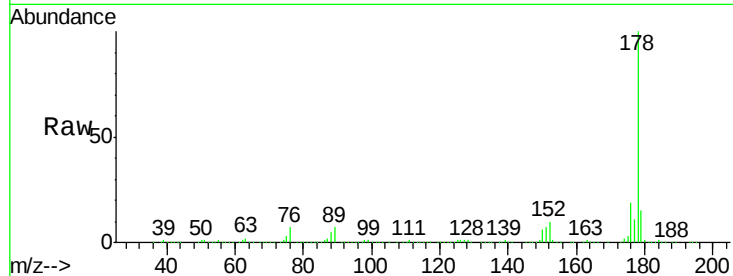




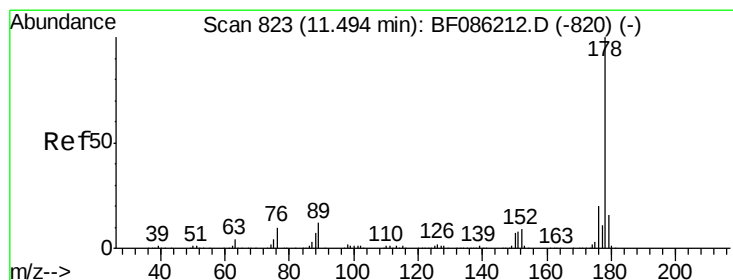
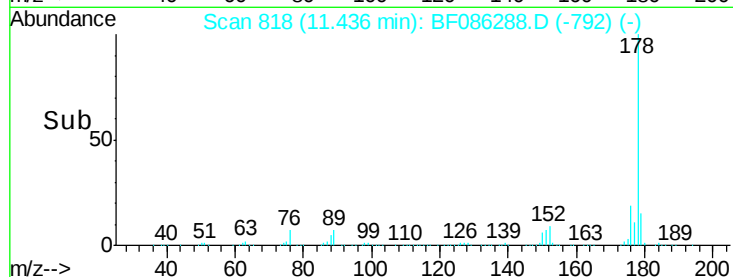
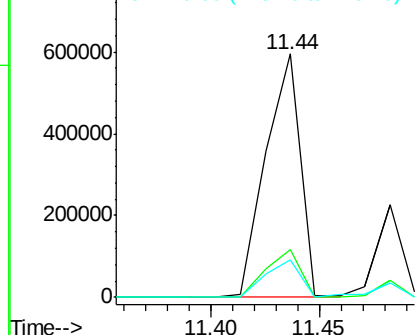
#70
Phenanthrene
Concen: 17.68 ng
RT: 11.44 min Scan# 818
Delta R.T. 0.00 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

Instrument :
BNA_F
ClientSampleId :
SP-2-G-7(0-2)

Tgt Ion:178 Resp: 665022
Ion Ratio Lower Upper
178 100
176 19.4 16.3 24.5
179 15.5 13.0 19.6

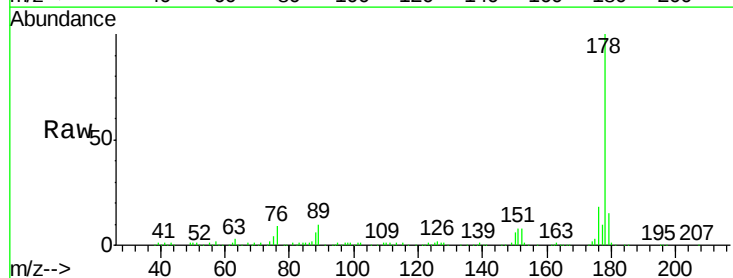


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

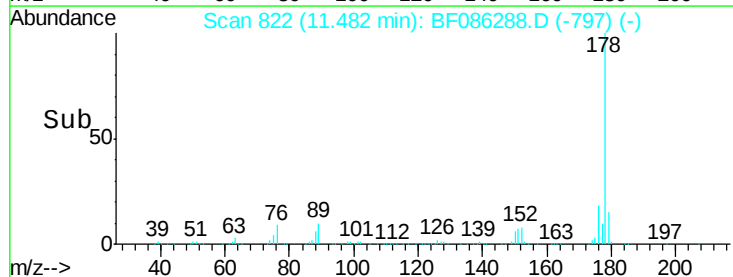
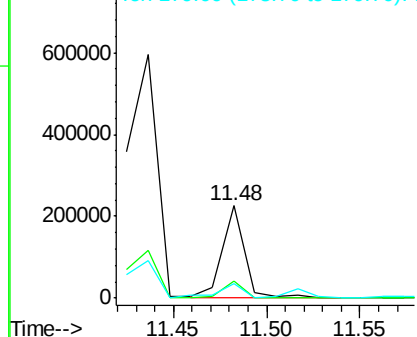


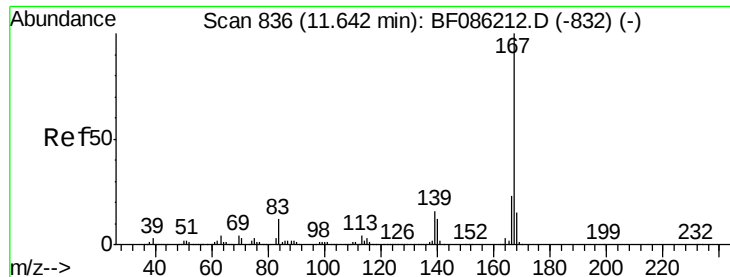
#71
Anthracene
Concen: 3.24 ng
RT: 11.48 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

Tgt Ion:178 Resp: 187001
Ion Ratio Lower Upper
178 100
176 18.4 16.2 24.4
179 15.2 13.2 19.8



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





#72

Carbazole

Concen: 2.20 ng

RT: 11.63 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Instrument :

BNA_F

ClientSampleId :

SP-2-G-7(0-2)

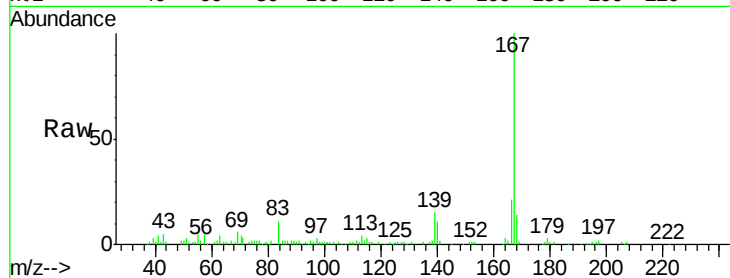
Tgt Ion:167 Resp: 78831

Ion Ratio Lower Upper

167 100

166 21.4 18.3 27.5

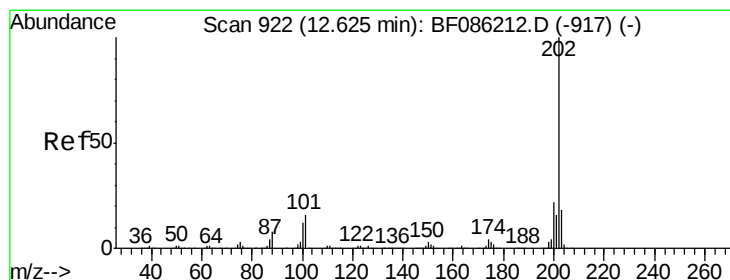
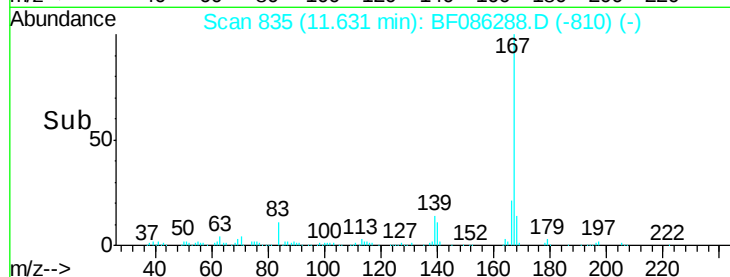
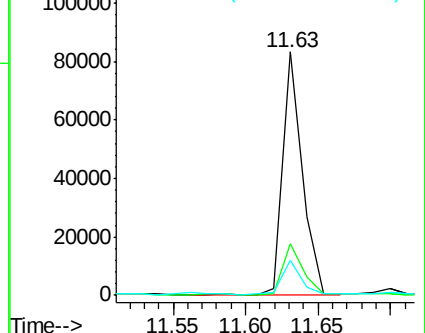
139 14.6 12.3 18.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 28.94 ng

RT: 12.61 min Scan# 921

Delta R.T. -0.01 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

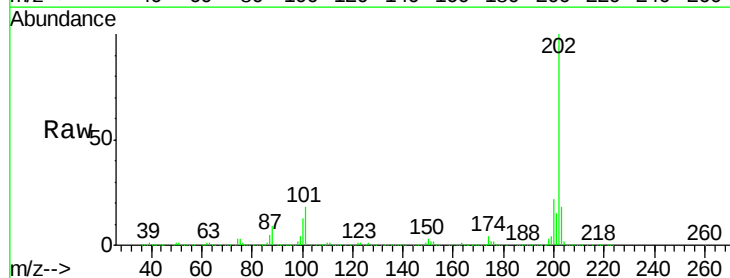
Tgt Ion:202 Resp: 1002084

Ion Ratio Lower Upper

202 100

101 18.4 0.0 35.2

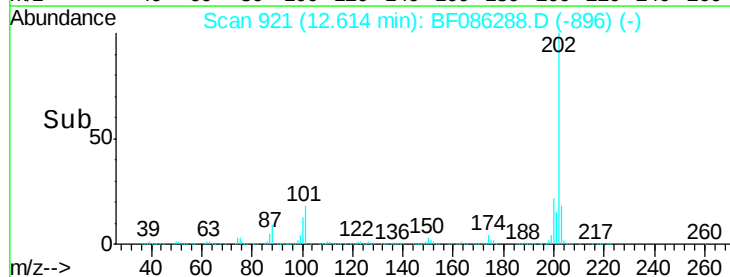
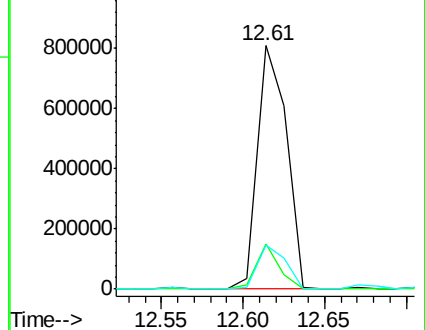
203 18.2 0.0 38.2

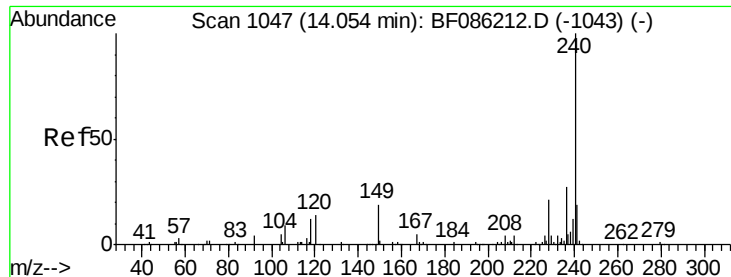


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Instrument :

BNA_F

ClientSampleId :

SP-2-G-7(0-2)

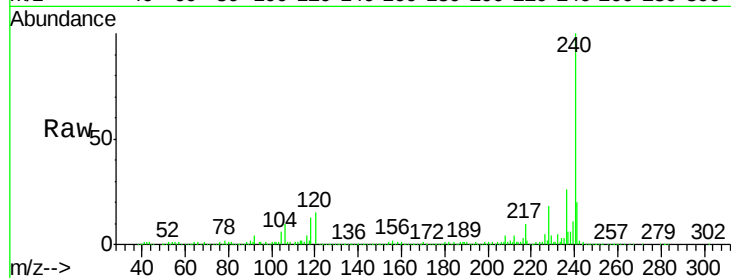
Tgt Ion:240 Resp: 568840

Ion Ratio Lower Upper

240 100

120 15.4 9.3 13.9#

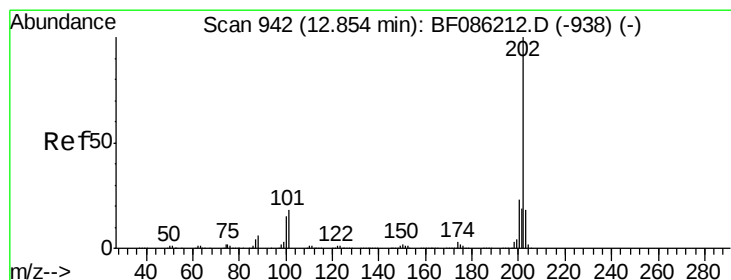
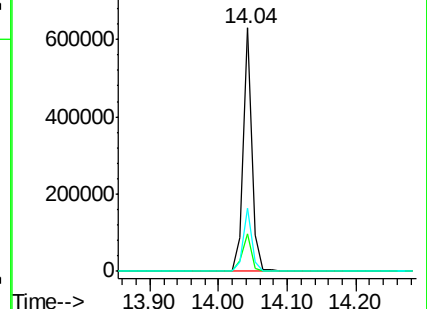
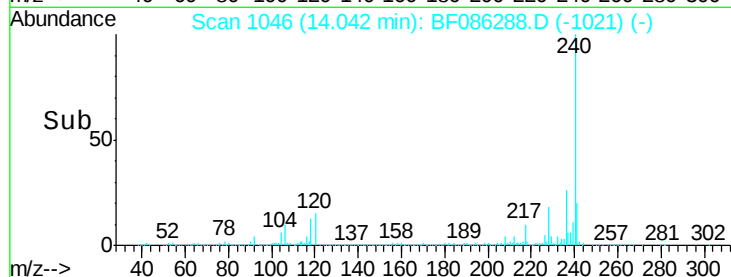
236 26.0 21.1 31.7



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: 19.86 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

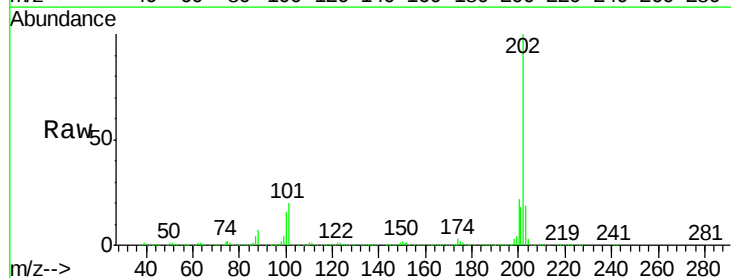
Tgt Ion:202 Resp: 866540

Ion Ratio Lower Upper

202 100

200 22.1 18.3 27.5

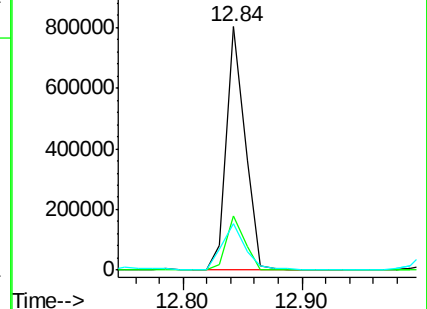
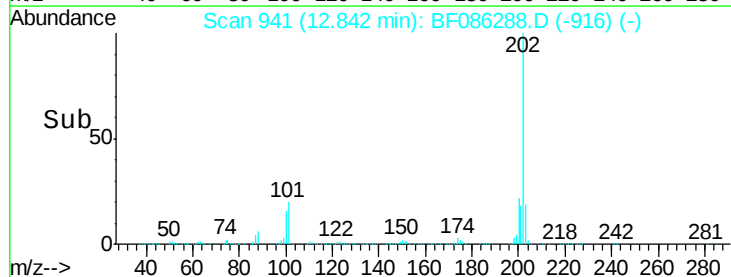
203 19.1 14.9 22.3

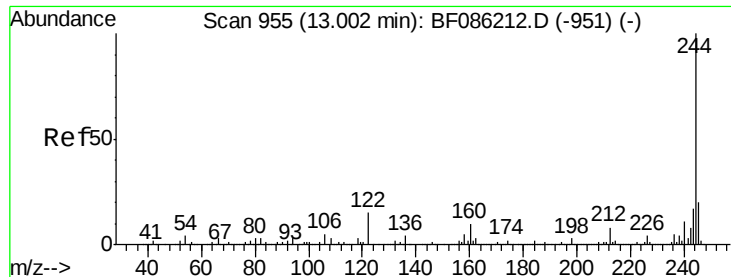


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

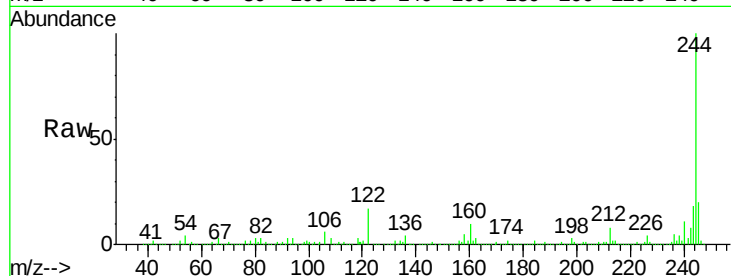




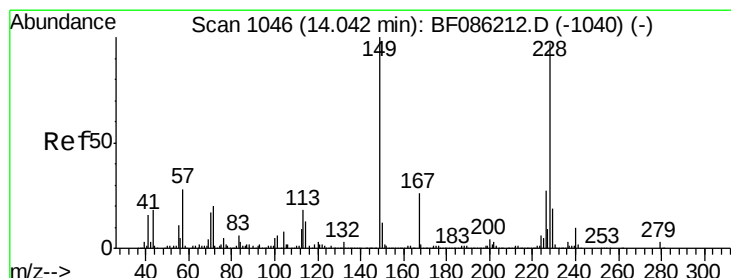
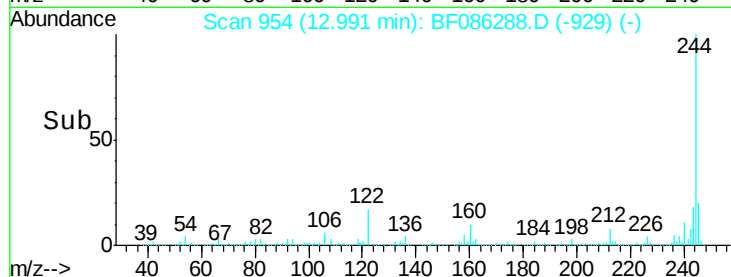
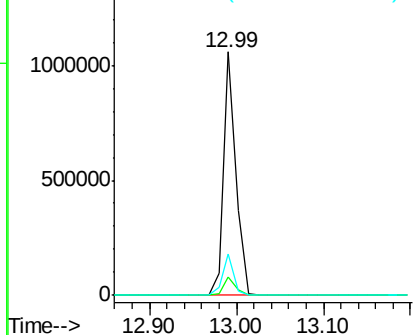
#78
 Terphenyl-d14
 Concen: 46.74 ng
 RT: 12.99 min Scan# 954
 Delta R.T. -0.01 min
 Lab File: BF086288.D
 Acq: 18 Apr 2016 18:10

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-G-7(0-2)

Tgt Ion:244 Resp: 1057342
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.4 9.6
 122 17.0 11.7 17.5

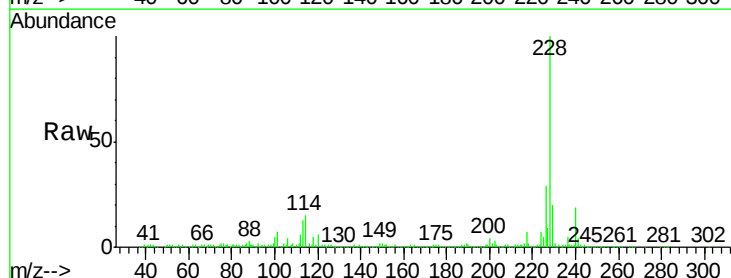


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

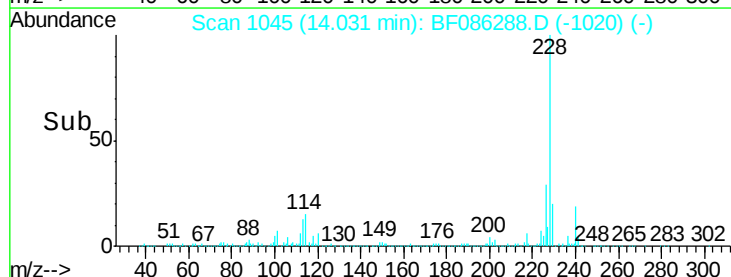
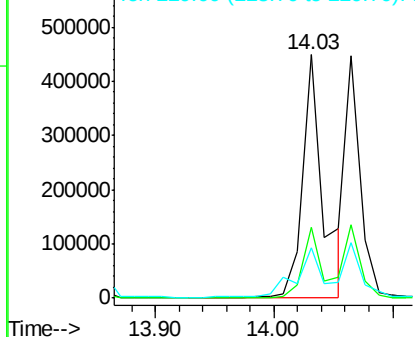


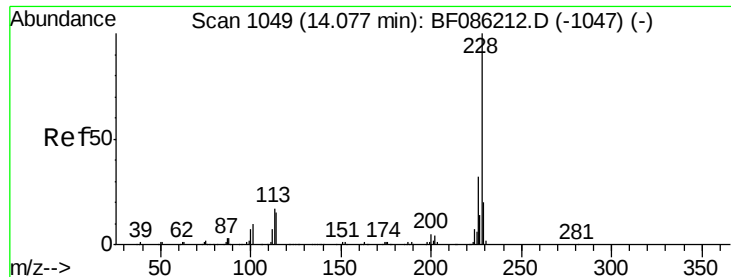
#80
 Benzo(a)anthracene
 Concen: 17.27 ng
 RT: 14.03 min Scan# 1045
 Delta R.T. -0.01 min
 Lab File: BF086288.D
 Acq: 18 Apr 2016 18:10

Tgt Ion:228 Resp: 539367
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.5 33.7
 229 20.5 16.2 24.2



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: 11.63 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

Instrument :

BNA_F

ClientSampleId :

SP-2-G-7(0-2)

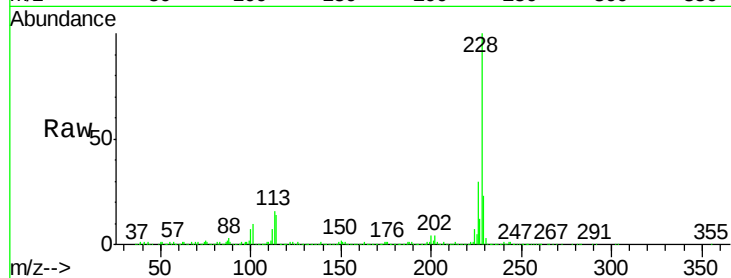
Tgt Ion:228 Resp: 387212

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.2

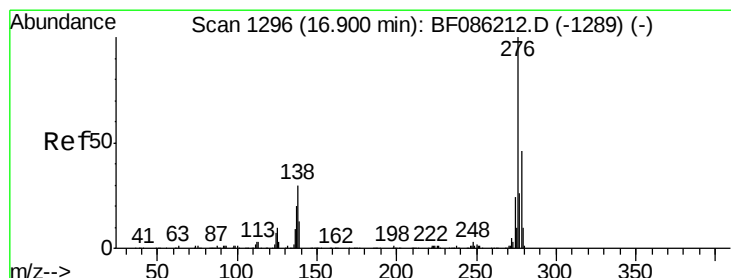
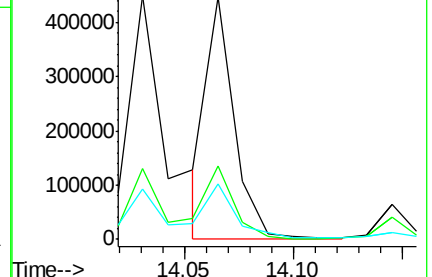
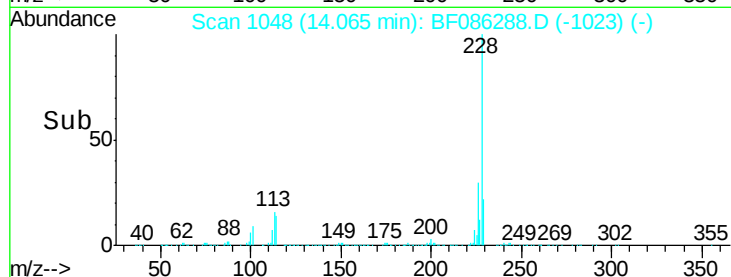
229 22.6 16.5 24.7



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: 6.97 ng

RT: 16.88 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF086288.D

Acq: 18 Apr 2016 18:10

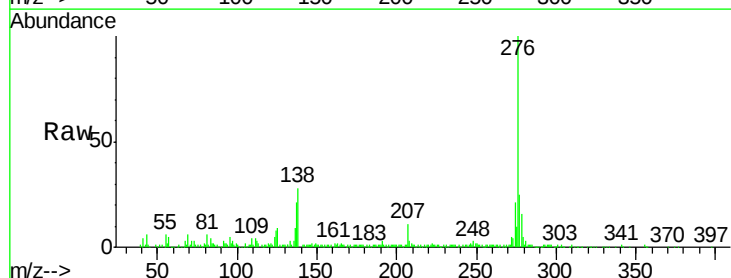
Tgt Ion:276 Resp: 190819

Ion Ratio Lower Upper

276 100

138 30.1 23.8 35.6

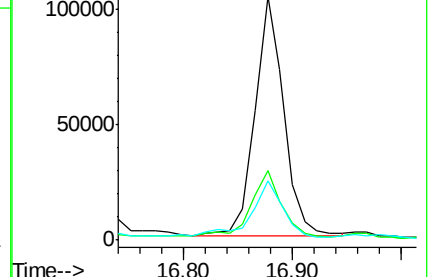
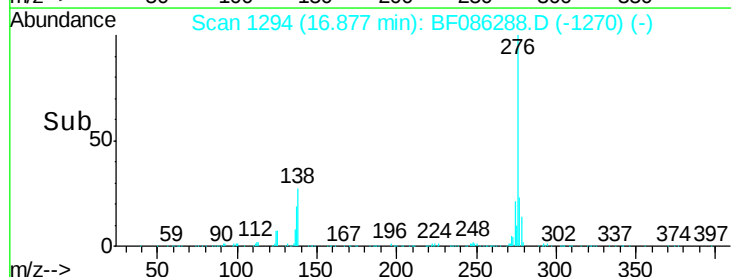
277 27.2 20.2 30.2

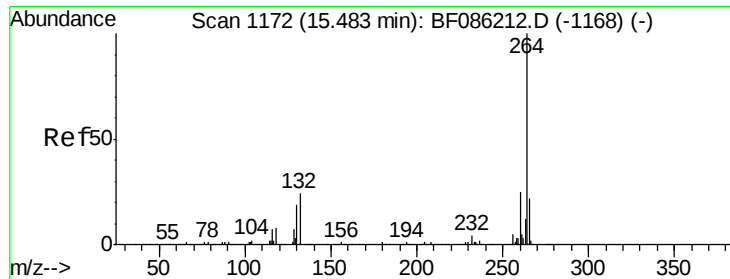


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

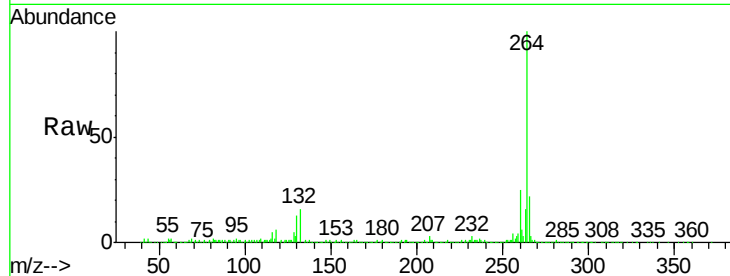




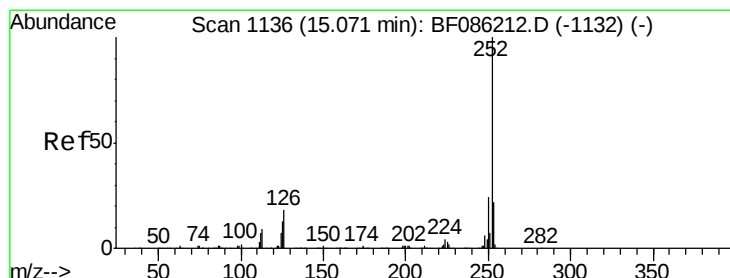
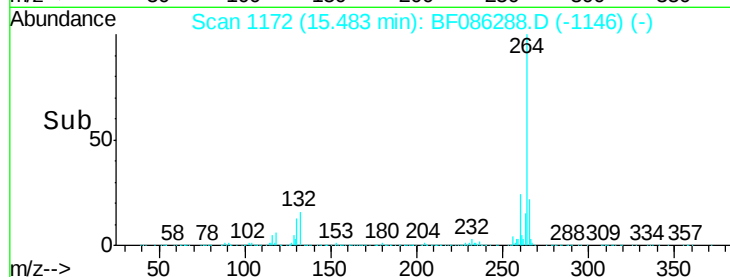
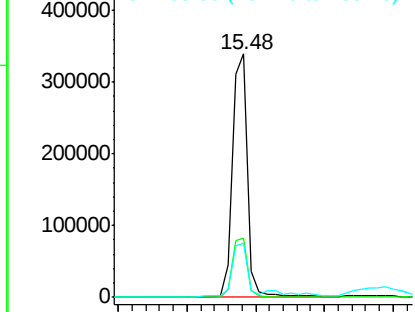
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

Instrument :
BNA_F
ClientSampleId :
SP-2-G-7(0-2)

Tgt Ion:264 Resp: 519772
Ion Ratio Lower Upper
264 100
260 24.6 20.0 30.0
265 22.4 17.4 26.0

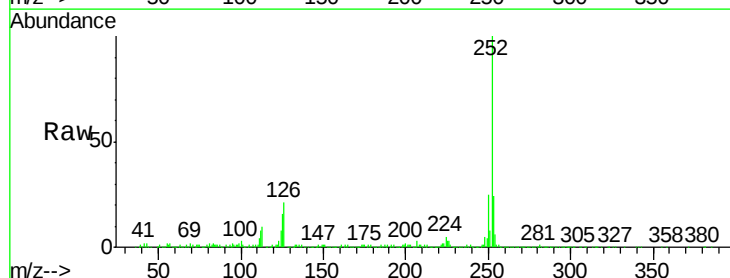


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

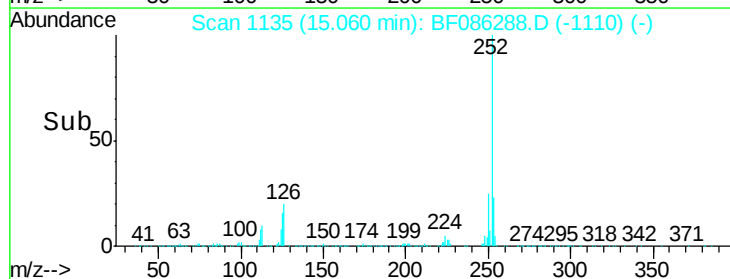
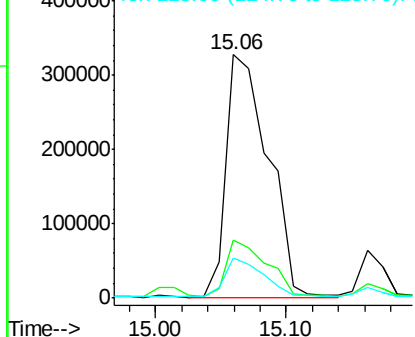


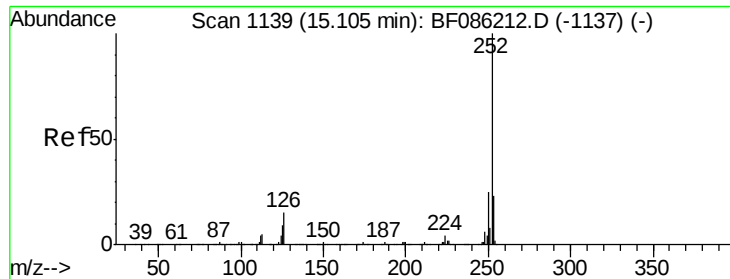
#87
Benzo(b)fluoranthene
Concen: 22.95 ng
RT: 15.06 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

Tgt Ion:252 Resp: 735936
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 16.5 10.3 15.5#



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

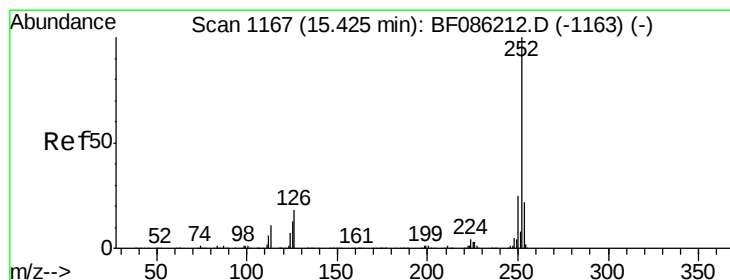
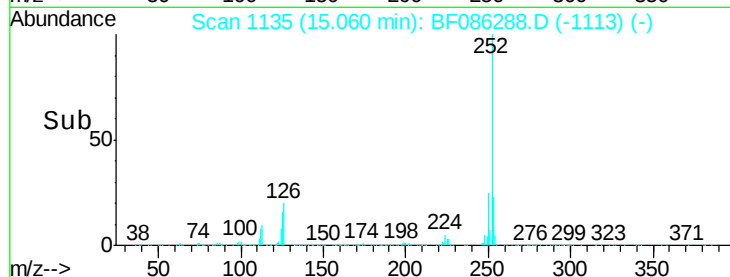
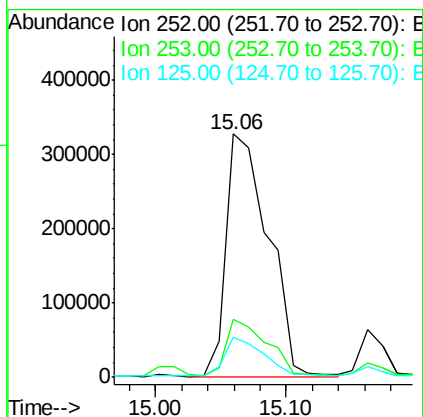
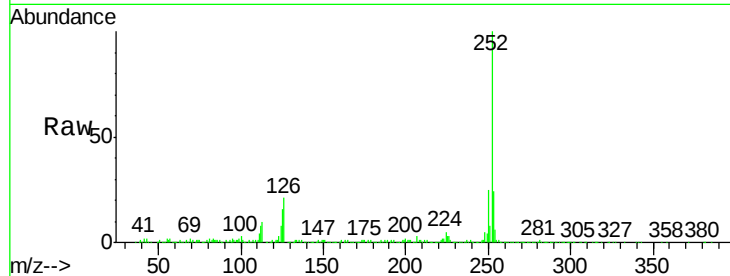




#88
Benzo(k)fluoranthene
Concen: 25.17 ng
RT: 15.06 min Scan# 1135
Delta R.T. -0.05 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

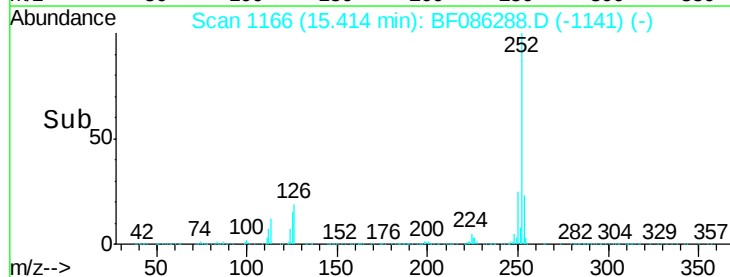
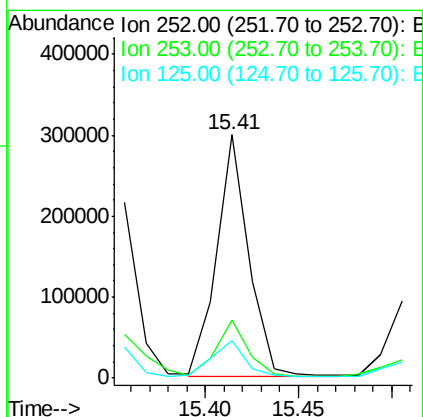
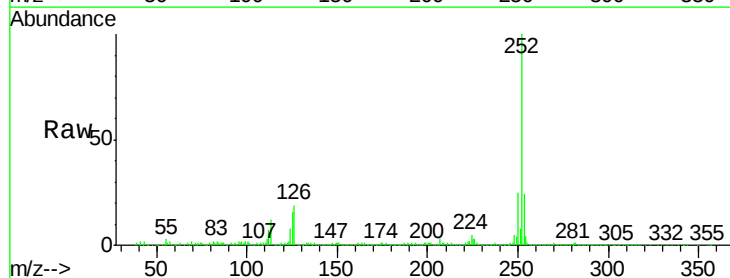
Instrument :
BNA_F
ClientSampleId :
SP-2-G-7(0-2)

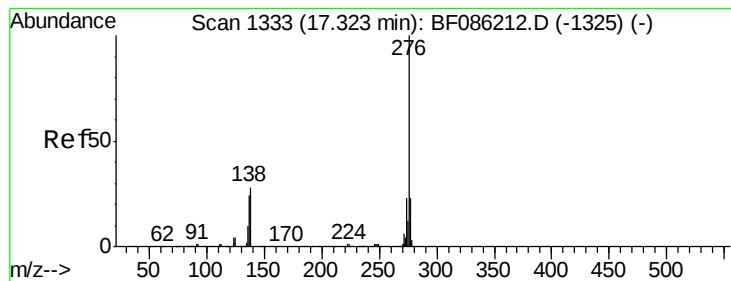
Tgt Ion:252 Resp: 735936
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 16.5 7.8 11.6#



#89
Benzo(a)pyrene
Concen: 13.03 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF086288.D
Acq: 18 Apr 2016 18:10

Tgt Ion:252 Resp: 362040
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 15.6 11.2 16.8





#91

Benzo(g,h,i)perylene

Concen: 6.78 ng

RT: 17.30 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF086288.D

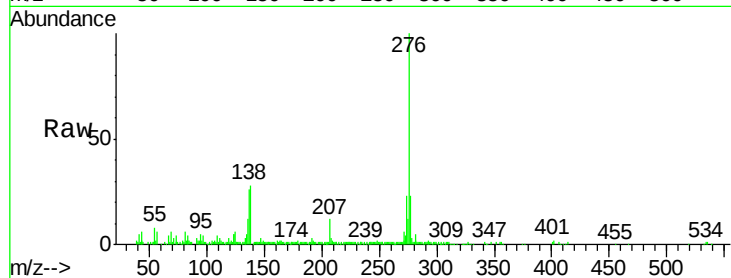
Acq: 18 Apr 2016 18:10

Instrument :

BNA_F

ClientSampleId :

SP-2-G-7(0-2)



Tgt Ion: 276 Resp: 176843

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.6

138 28.3 19.6 29.4

