

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041816\
 Data File : BF086292.D
 Acq On : 18 Apr 2016 20:05
 Operator : UM/SJ
 Sample : H2413-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-A(0-2)

Quant Time: Apr 19 00:53:40 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	306321	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1142719	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	459692	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	723086	20.00	ng	0.00
75) Chrysene-d12	14.04	240	520076	20.00	ng	-0.01
86) Perylene-d12	15.48	264	423004	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	2322218	124.21	ng	0.01
7) Phenol-d6	6.52	99	2533522	108.34	ng	0.00
23) Nitrobenzene-d5	7.46	82	2009207	101.41	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	386858	104.80	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	2029082	81.45	ng	-0.01
78) Terphenyl-d14	13.00	244	1517945	73.39	ng	0.00

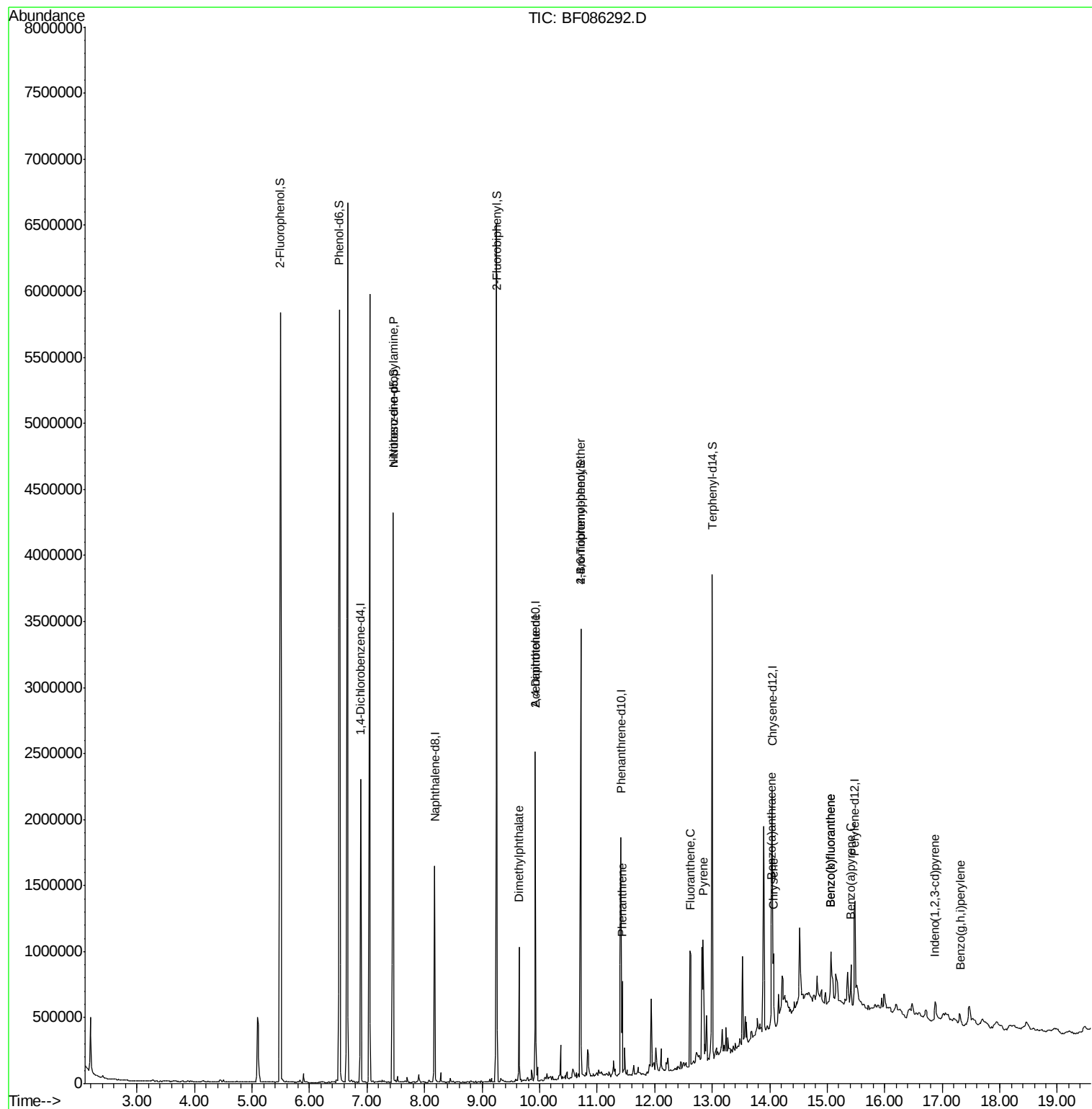
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	279110	18.65	ng	# 77
22) Acetophenone	7.29	105	1287	Below	Cal	# 13
49) Dimethylphthalate	9.64	163	362125	10.83	ng	98
56) 2,4-Dinitrotoluene	9.93	165	60808	6.42	ng	# 31
57) Fluorene	10.48	166	21349	Below	Cal	99
66) 4-Bromophenyl-phenylether	10.72	248	26023	3.86	ng	# 1
70) Phenanthrene	11.44	178	290627	8.41	ng	98
74) Fluoranthene	12.62	202	511355	13.23	ng	93
77) Pyrene	12.84	202	443596	11.12	ng	97
80) Benzo(a)anthracene	14.03	228	245016	8.58	ng	96
82) Chrysene	14.07	228	189542	6.23	ng	96
85) Indeno(1,2,3-cd)pyrene	16.88	276	83294	3.33	ng	# 95
87) Benzo(b)fluoranthene	15.06	252	308575	11.82	ng	# 94
88) Benzo(k)fluoranthene	15.06	252	308575	12.97	ng	# 91
89) Benzo(a)pyrene	15.41	252	143817	6.36	ng	# 94
91) Benzo(g,h,i)perylene	17.31	276	77646	3.66	ng	95

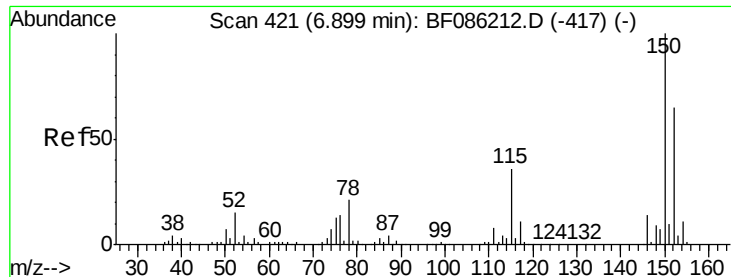
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)

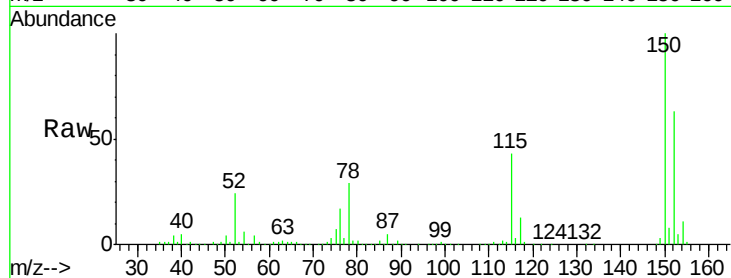
Tgt Ion:152 Resp: 306321

Ion Ratio Lower Upper

152 100

150 157.9 124.1 186.1

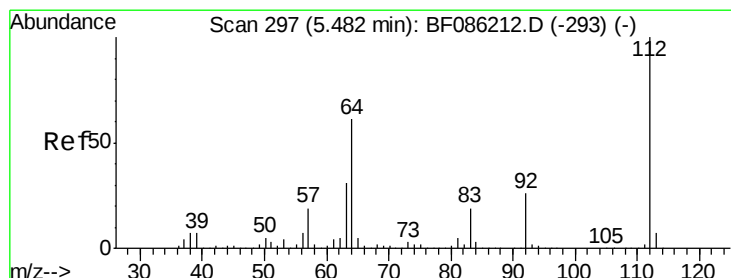
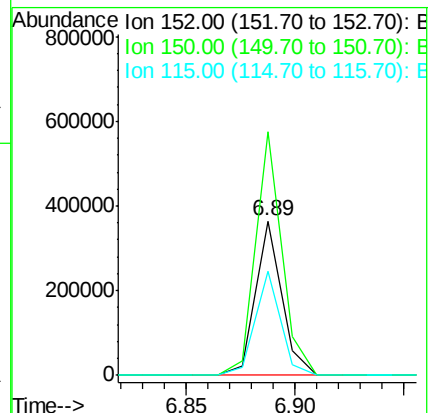
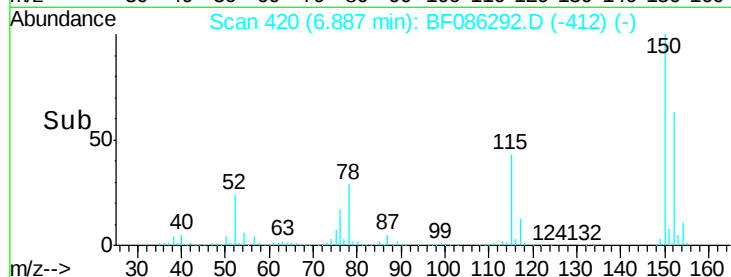
115 67.5 43.9 65.9#



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: 124.21 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

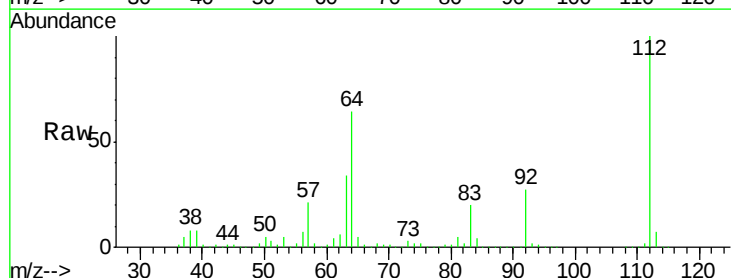
Tgt Ion:112 Resp: 2322218

Ion Ratio Lower Upper

112 100

64 64.1 48.1 72.1

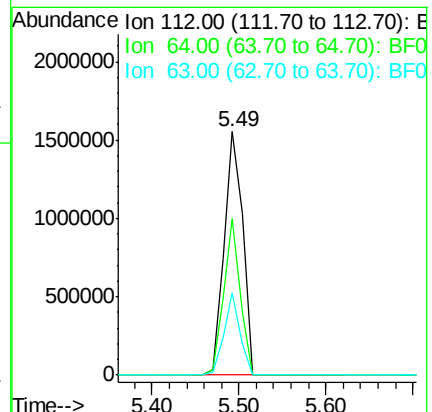
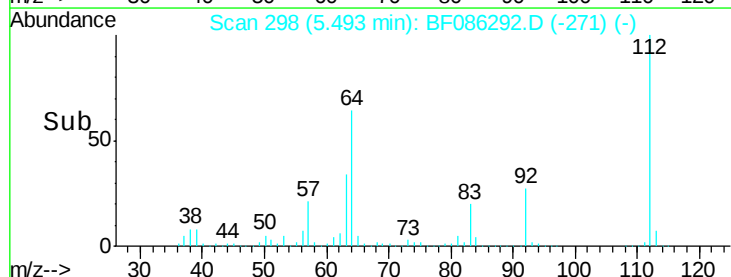
63 33.9 25.5 38.3

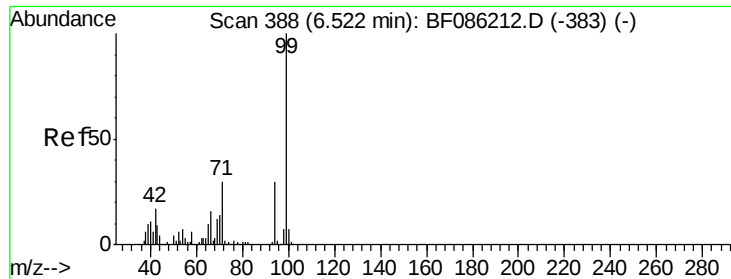


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.34 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)

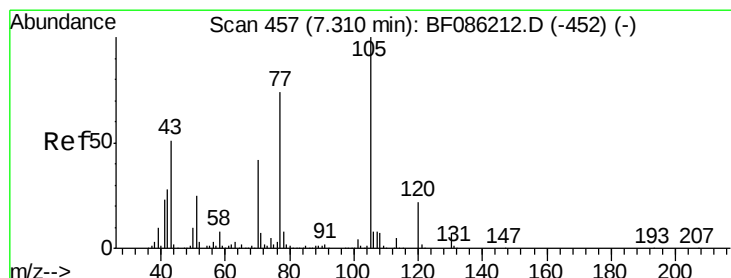
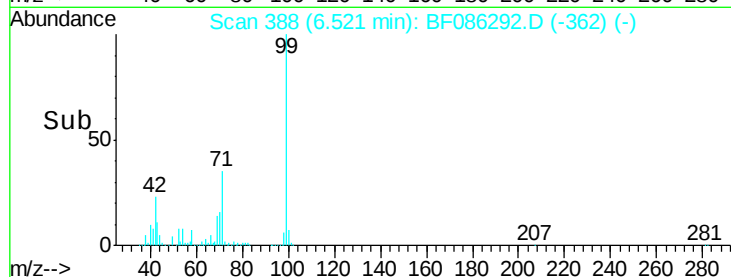
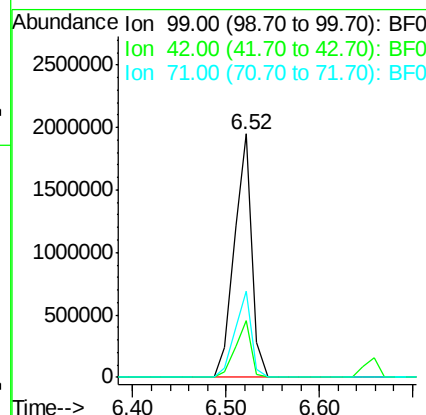
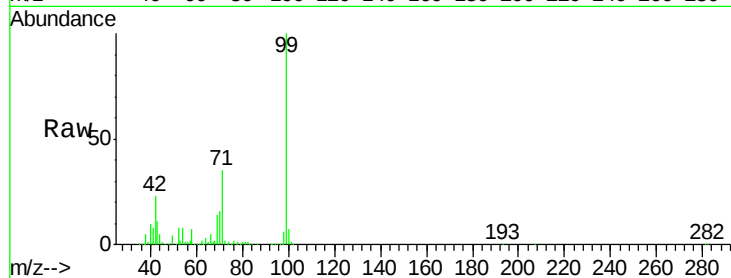
Tgt Ion: 99 Resp: 2533522

Ion Ratio Lower Upper

99 100

42 23.3 15.4 23.2#

71 35.4 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 18.65 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.15 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Tgt Ion: 70 Resp: 279110

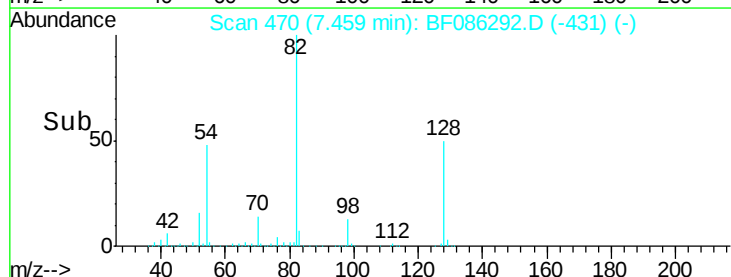
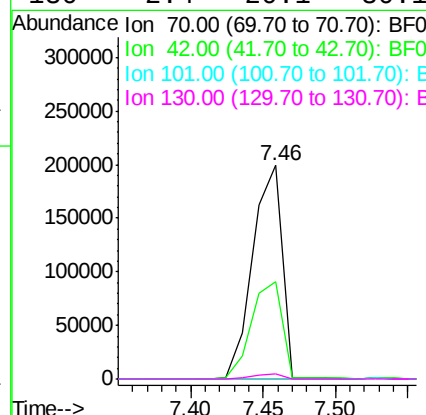
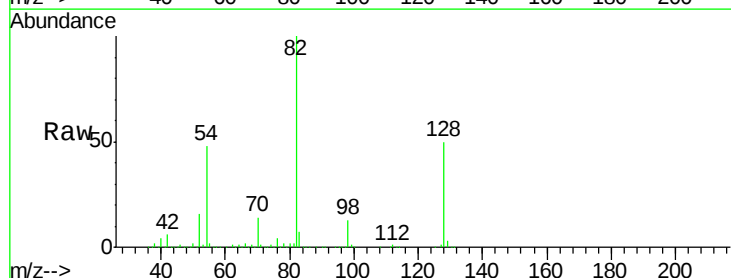
Ion Ratio Lower Upper

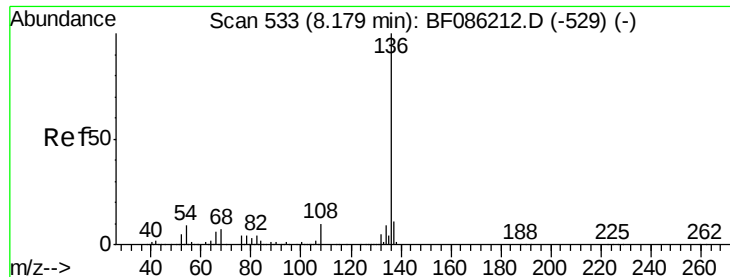
70 100

42 45.4 43.0 64.4

101 0.0 8.1 12.1#

130 2.4 20.1 30.1#

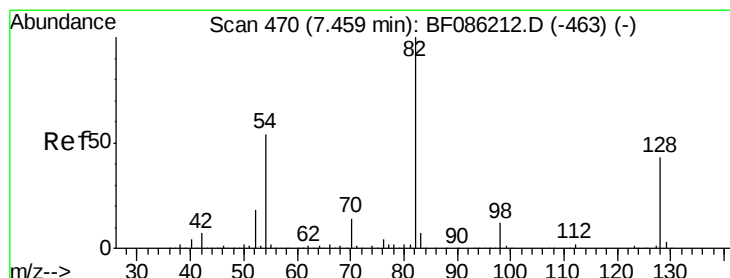
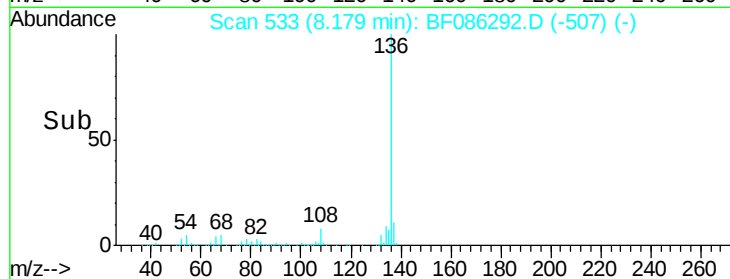
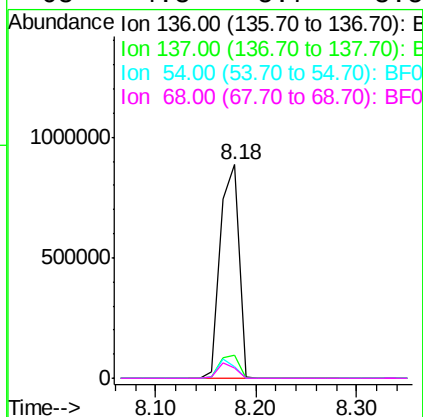
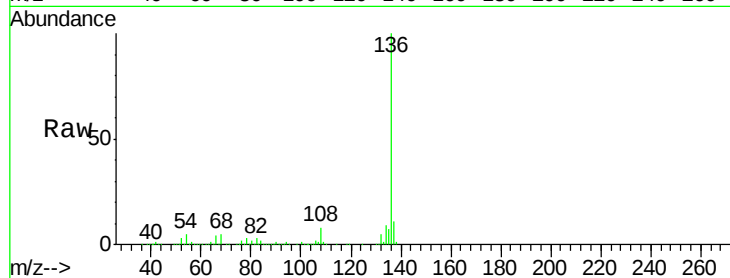




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.00 min
Lab File: BF086292.D
Acq: 18 Apr 2016 20:05

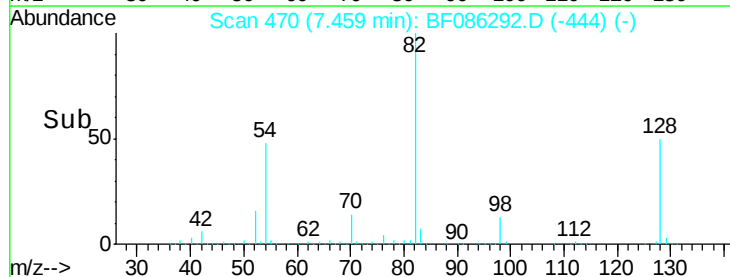
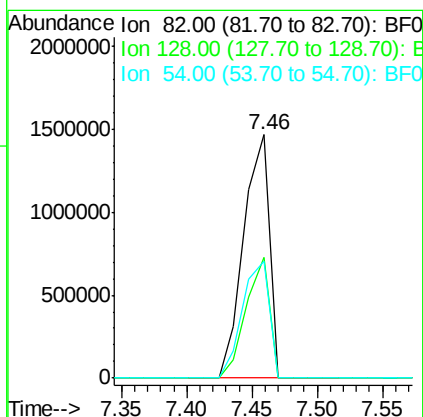
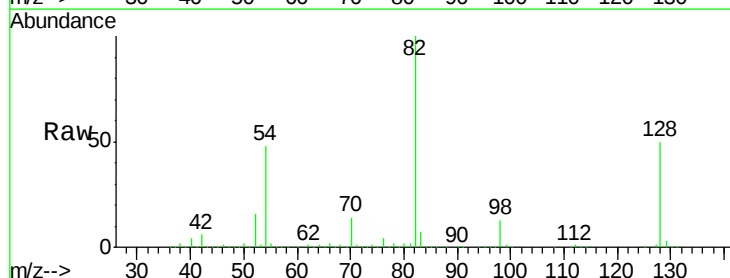
Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)

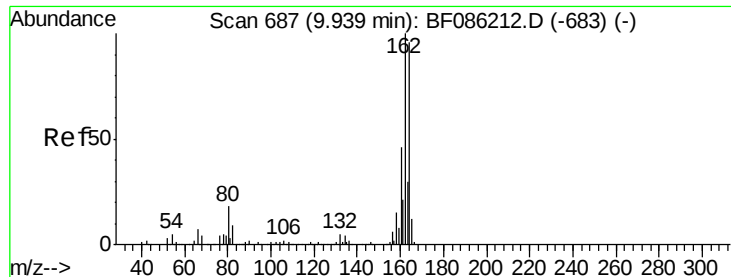
Tgt Ion:	136	Resp:	1142719
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.1	7.3	10.9#
68	4.8	5.7	8.5#



#23
Nitrobenzene-d5
Concen: 101.41 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.00 min
Lab File: BF086292.D
Acq: 18 Apr 2016 20:05

Tgt Ion:	82	Resp:	2009207
Ion	Ratio	Lower	Upper
82	100		
128	49.6	35.4	53.2
54	48.3	43.4	65.0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)

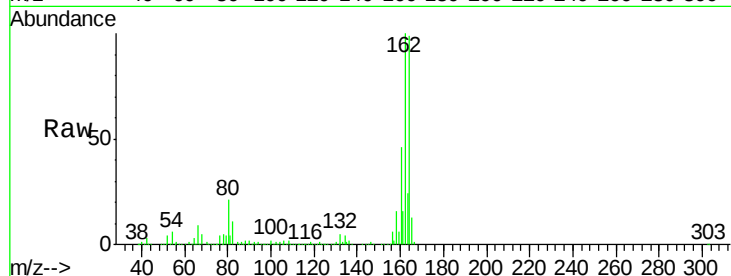
Tgt Ion:164 Resp: 459692

Ion Ratio Lower Upper

164 100

162 101.5 82.8 124.2

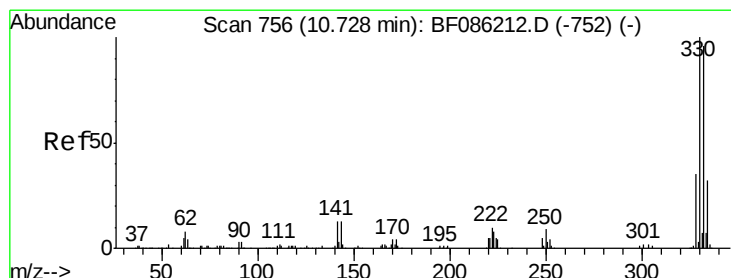
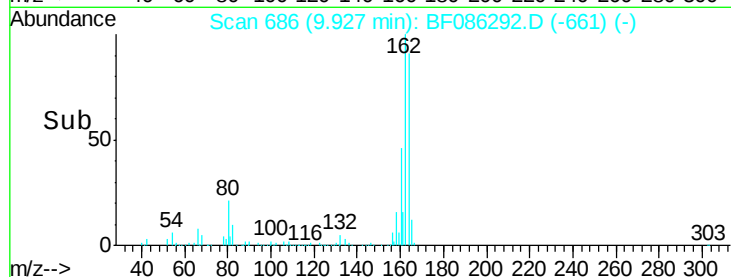
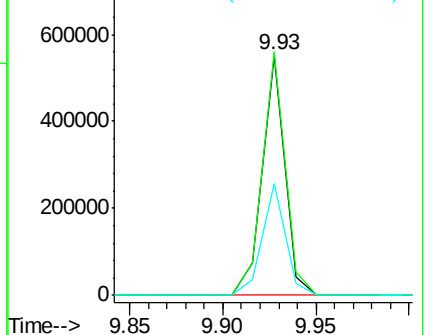
160 46.6 38.9 58.3



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: 104.80 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

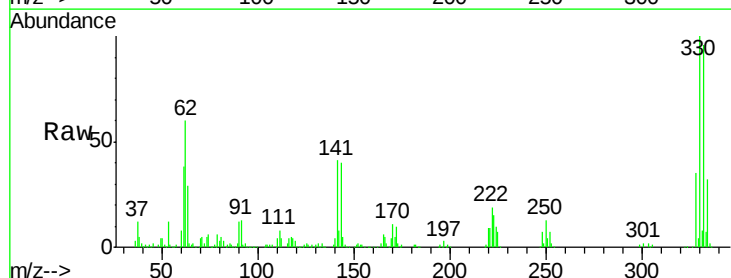
Tgt Ion:330 Resp: 386858

Ion Ratio Lower Upper

330 100

332 96.3 78.7 118.1

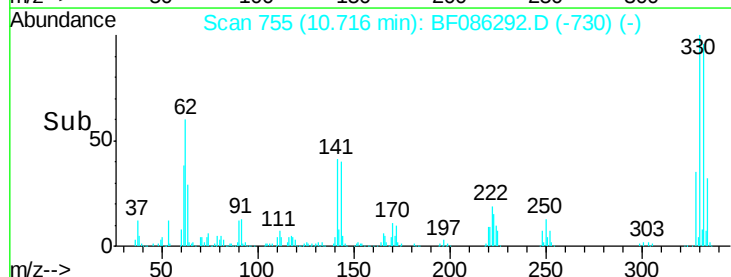
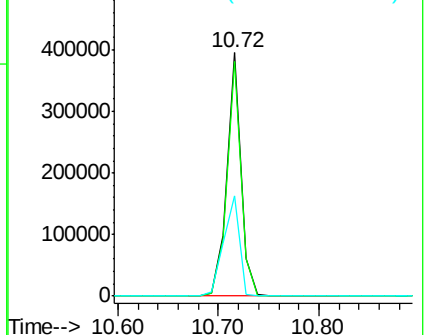
141 46.1 28.6 42.8#

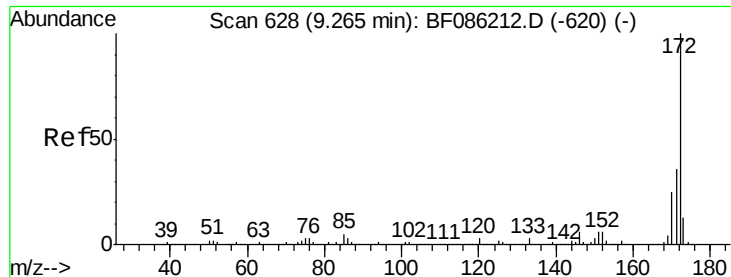


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

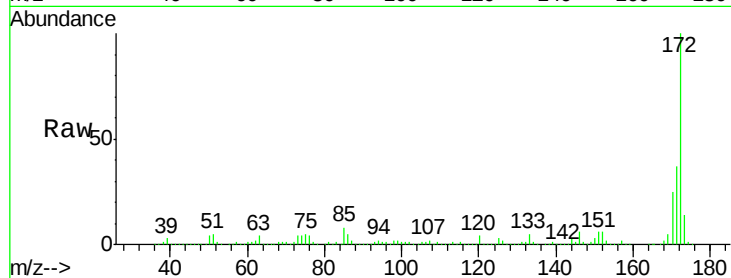




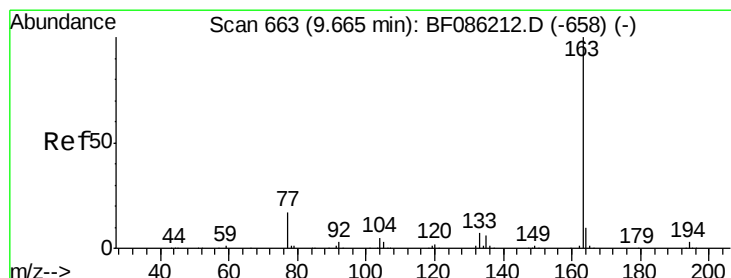
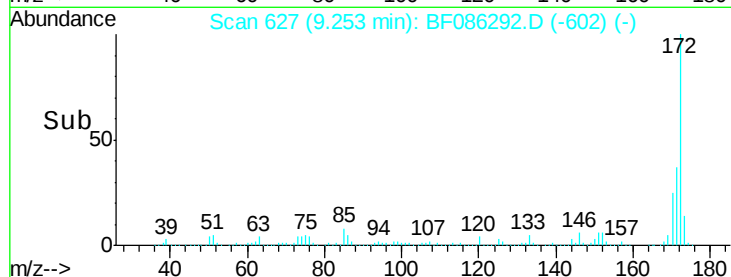
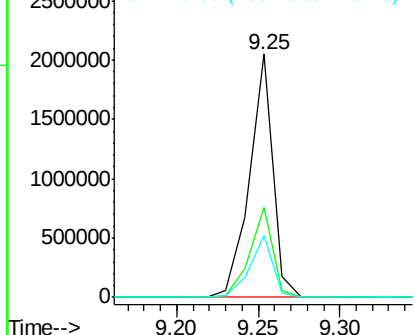
#44
 2-Fluorobiphenyl
 Concen: 81.45 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086292.D
 Acq: 18 Apr 2016 20:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-A(0-2)

Tgt Ion:172 Resp: 2029082
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.1 43.7
 170 25.3 19.9 29.9

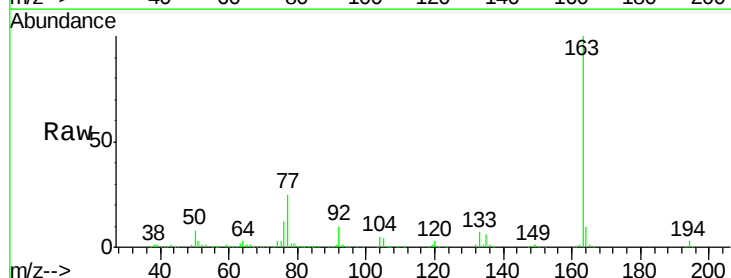


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

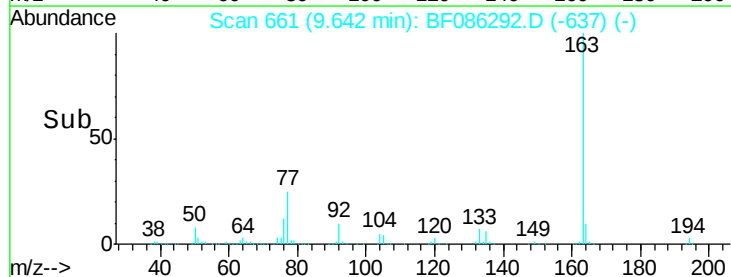
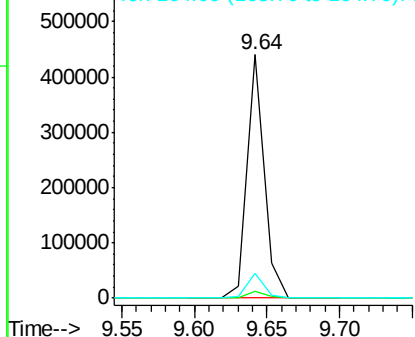


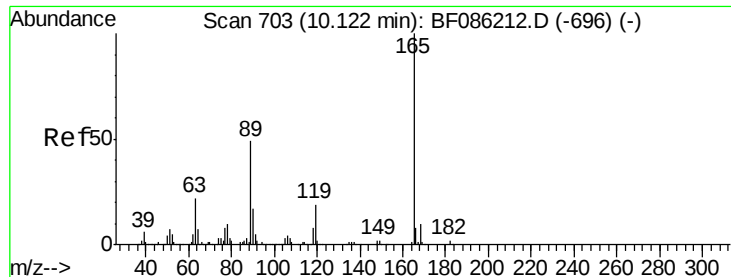
#49
 Dimethylphthalate
 Concen: 10.83 ng
 RT: 9.64 min Scan# 661
 Delta R.T. -0.02 min
 Lab File: BF086292.D
 Acq: 18 Apr 2016 20:05

Tgt Ion:163 Resp: 362125
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.8 4.2
 164 10.0 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

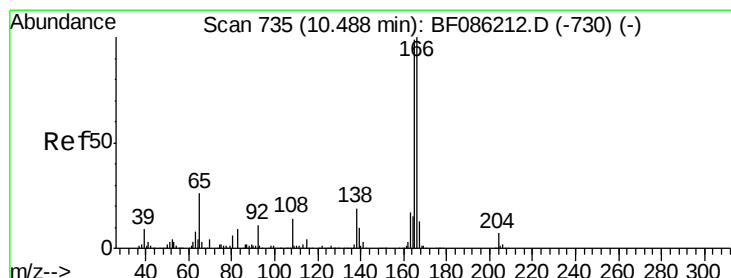
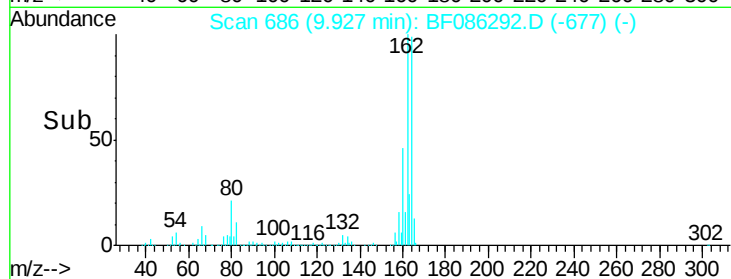
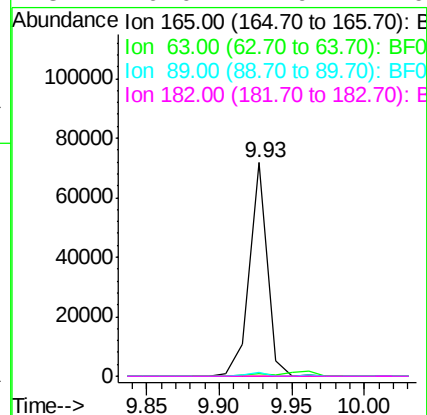
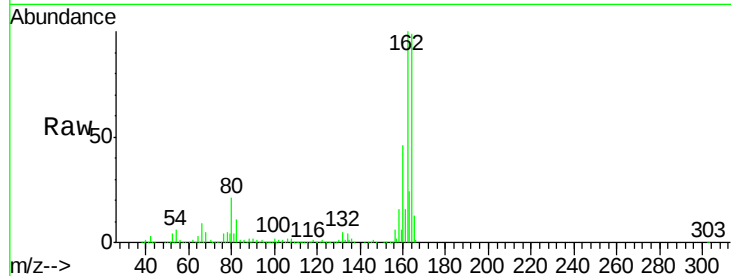




#56
2,4-Dinitrotoluene
Concen: 6.42 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.19 min
Lab File: BF086292.D
Acq: 18 Apr 2016 20:05

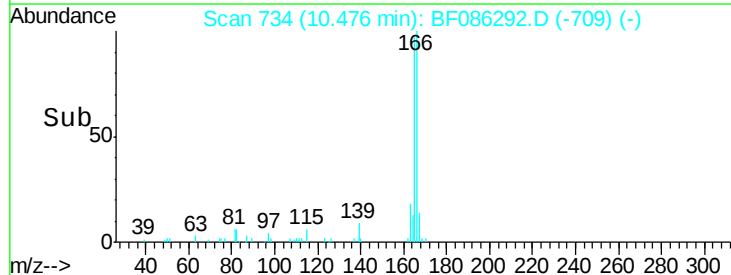
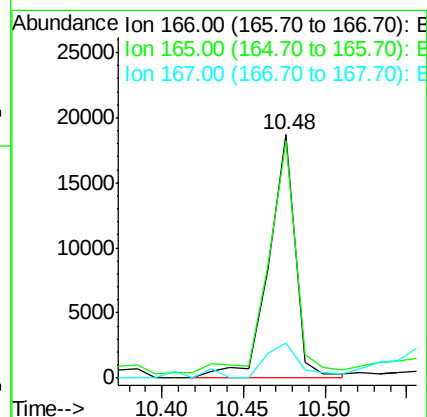
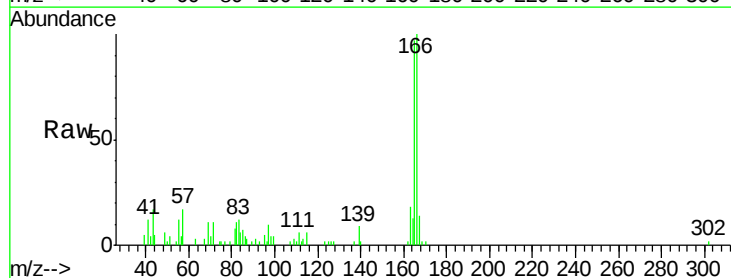
Instrument :
BNA_F
ClientSampled :
SP-1-A(0-2)

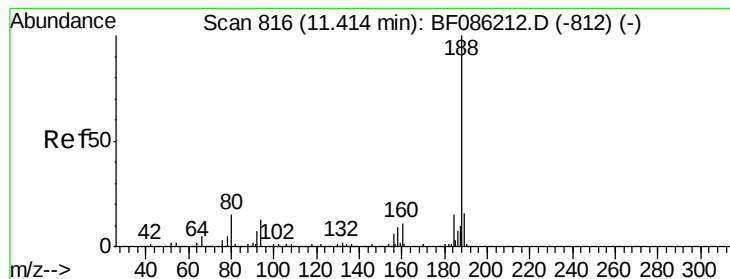
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	26.6	40.0#
89	1.5	49.5	74.3#
182	0.0	1.9	2.9#



#57
Fluorene
Concen: Below Cal
RT: 10.48 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF086292.D
Acq: 18 Apr 2016 20:05

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.6	117.8
167	14.3	10.4	15.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)

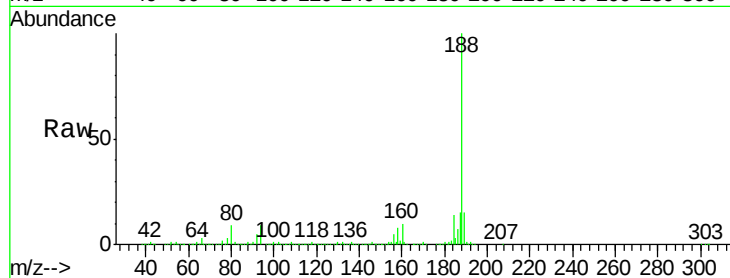
Tgt Ion:188 Resp: 723086

Ion Ratio Lower Upper

188 100

94 9.1 9.8 14.8#

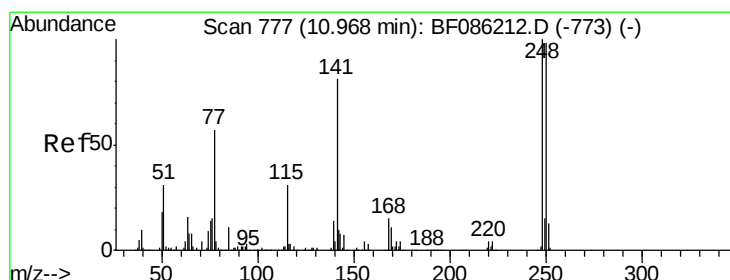
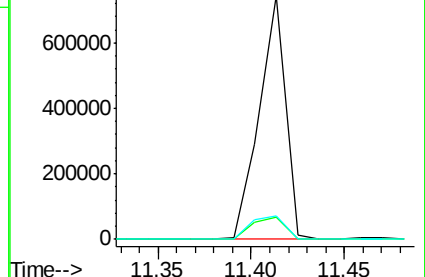
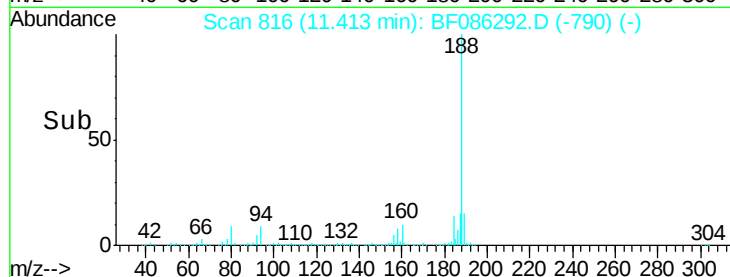
80 9.4 10.5 15.7#



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: 3.86 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.25 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

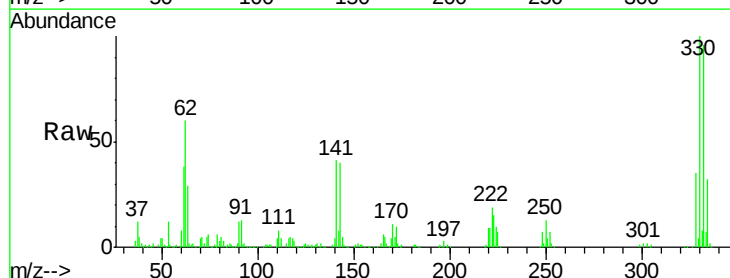
Tgt Ion:248 Resp: 26023

Ion Ratio Lower Upper

248 100

250 192.5 78.6 118.0#

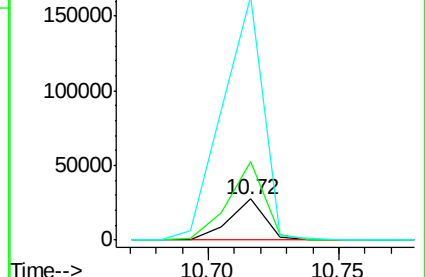
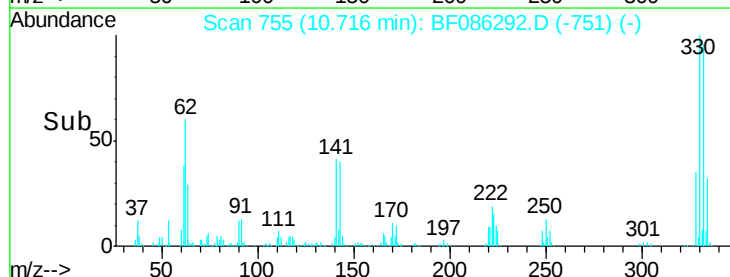
141 593.6 57.9 86.9#

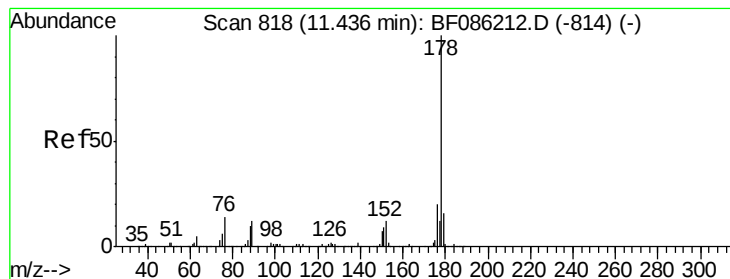


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 8.41 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)

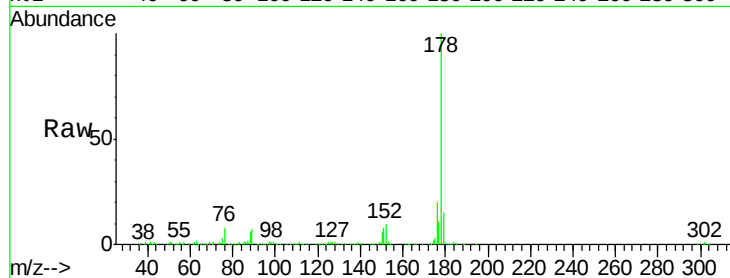
Tgt Ion:178 Resp: 290627

Ion Ratio Lower Upper

178 100

176 19.7 16.3 24.5

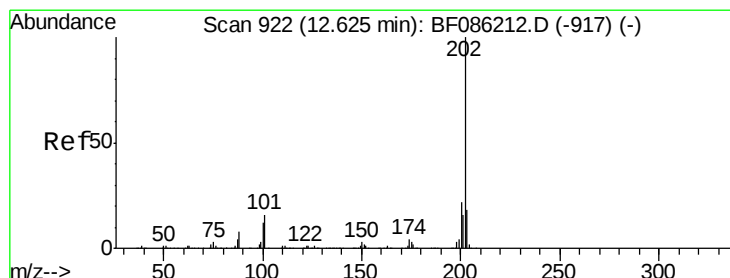
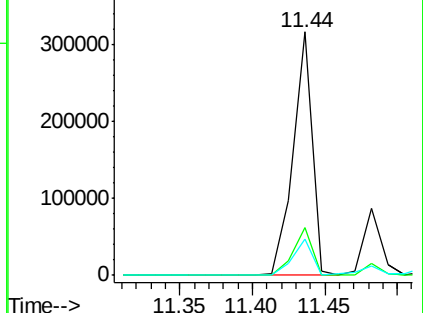
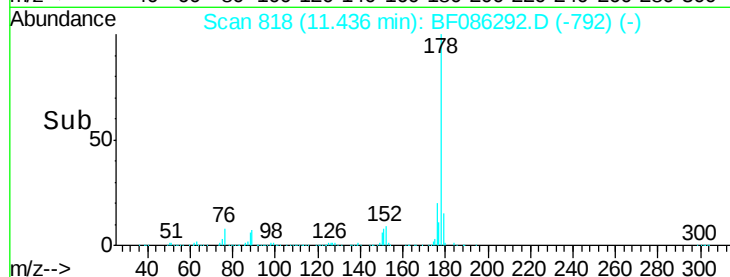
179 15.1 13.0 19.6



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



#74

Fluoranthene

Concen: 13.23 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

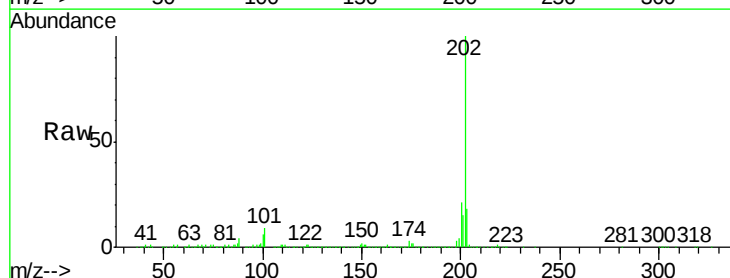
Tgt Ion:202 Resp: 511355

Ion Ratio Lower Upper

202 100

101 8.9 0.0 35.2

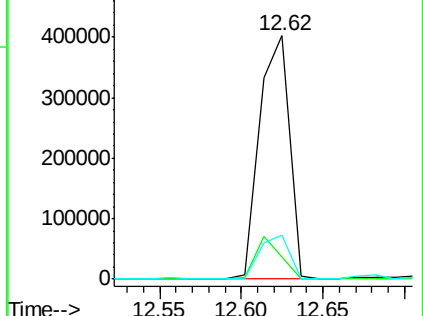
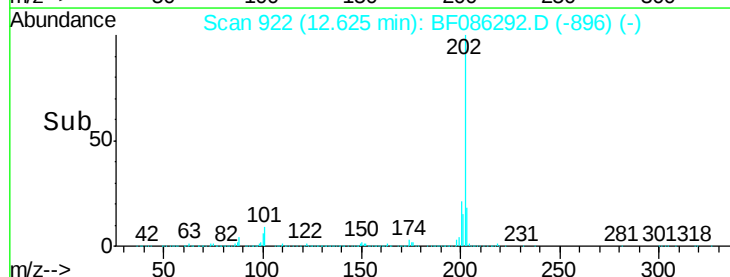
203 18.1 0.0 38.2

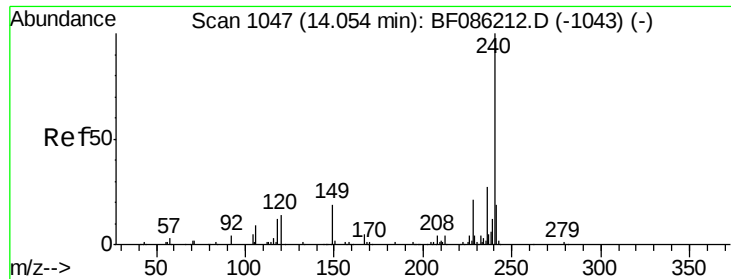


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)

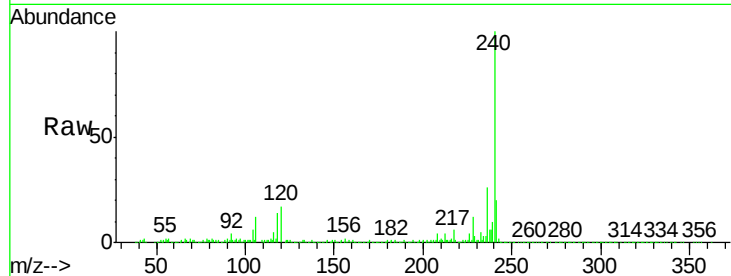
Tgt Ion:240 Resp: 520076

Ion Ratio Lower Upper

240 100

120 16.8 9.3 13.9#

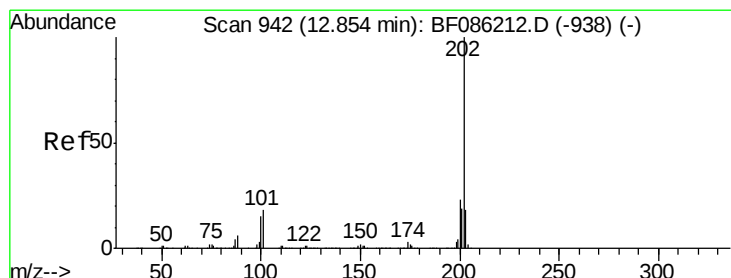
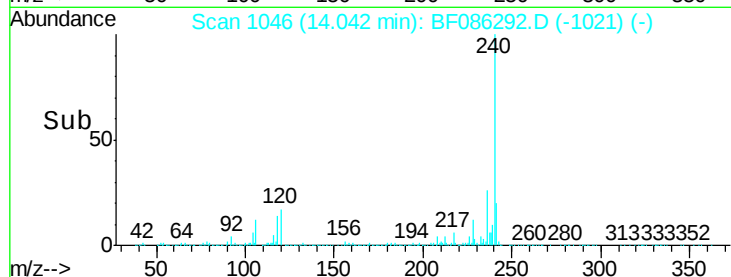
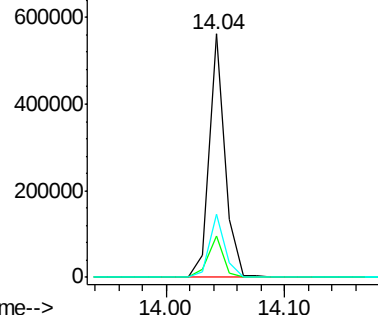
236 26.1 21.1 31.7



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: 11.12 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

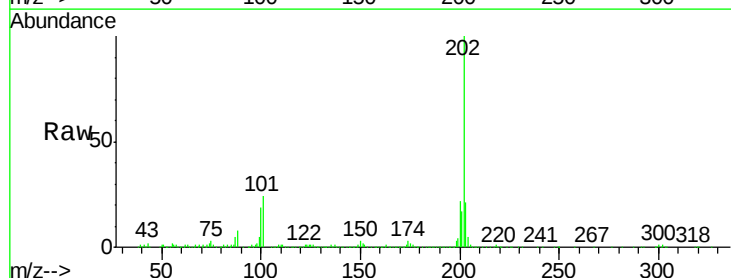
Tgt Ion:202 Resp: 443596

Ion Ratio Lower Upper

202 100

200 22.1 18.3 27.5

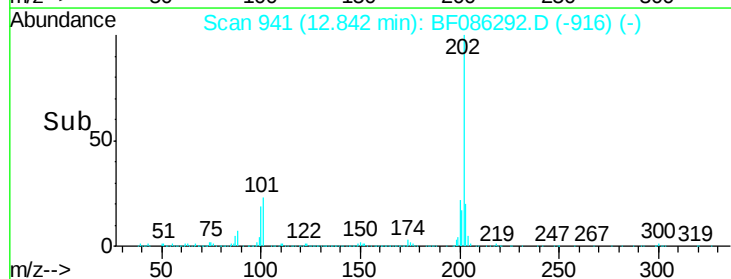
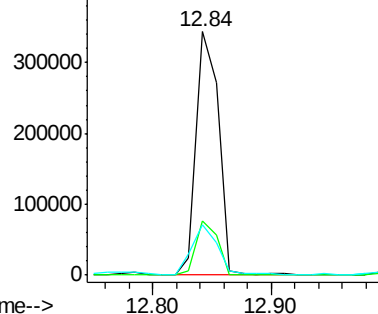
203 20.9 14.9 22.3

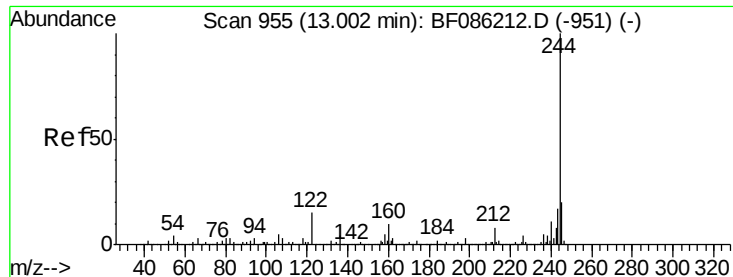


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 73.39 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)

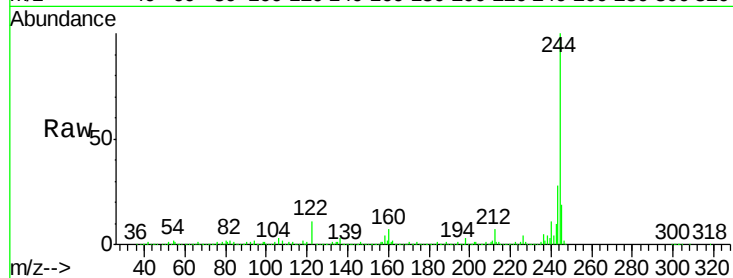
Tgt Ion:244 Resp: 1517945

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

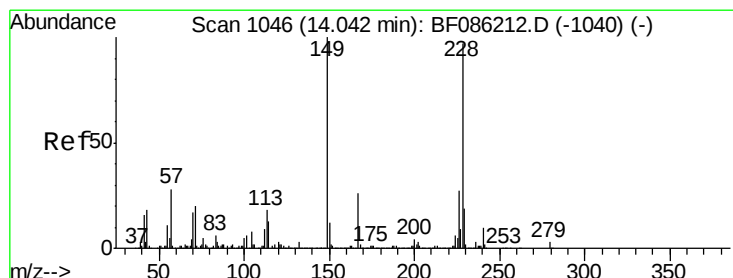
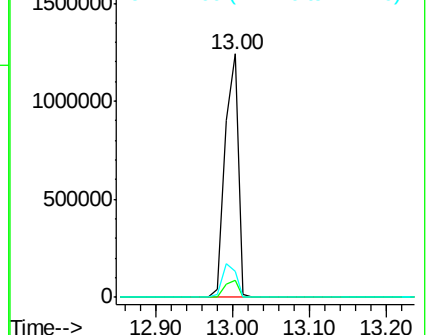
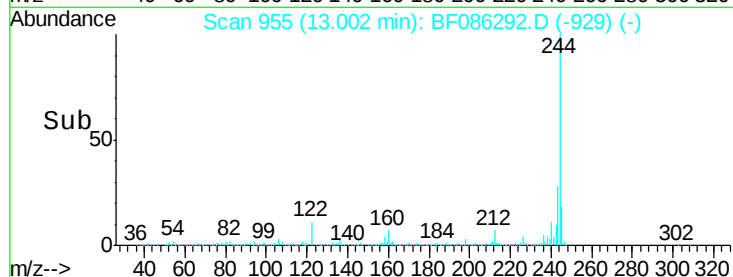
122 10.6 11.7 17.5#



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: 8.58 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

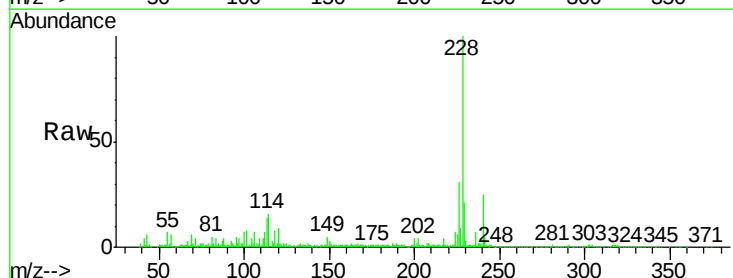
Tgt Ion:228 Resp: 245016

Ion Ratio Lower Upper

228 100

226 31.0 22.5 33.7

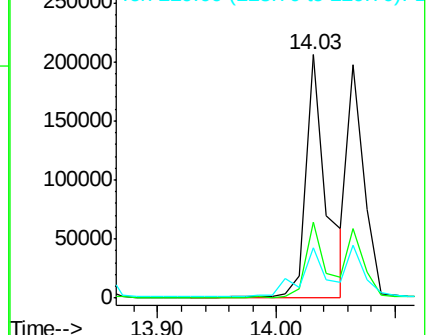
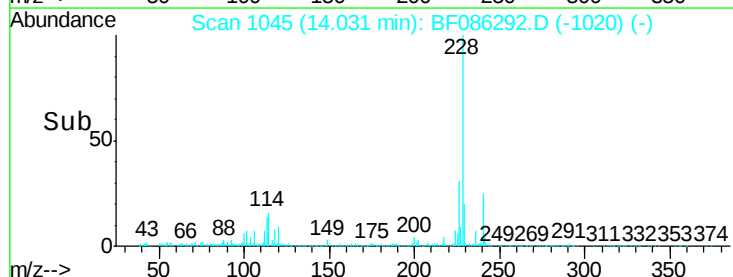
229 20.9 16.2 24.2

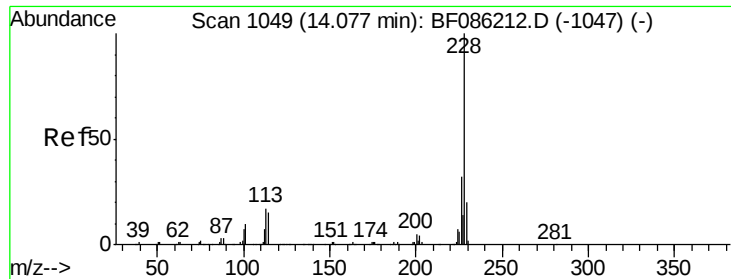


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.23 ng

RT: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)

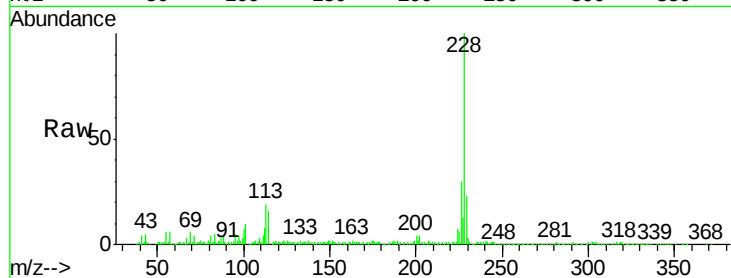
Tgt Ion:228 Resp: 189542

Ion Ratio Lower Upper

228 100

226 29.7 25.4 38.2

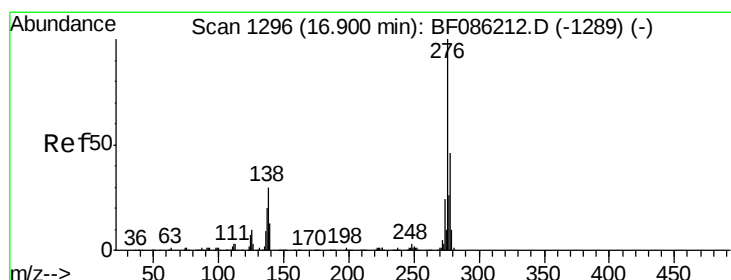
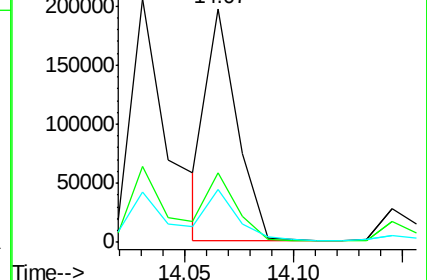
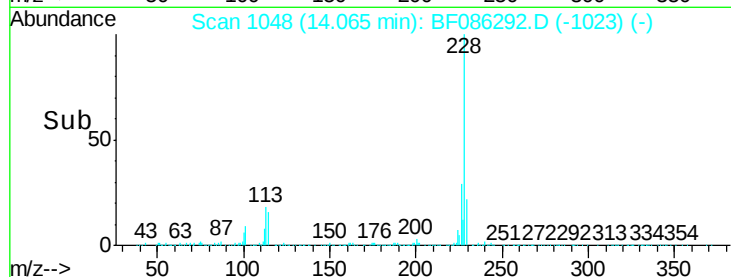
229 22.6 16.5 24.7



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: 3.33 ng

RT: 16.88 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

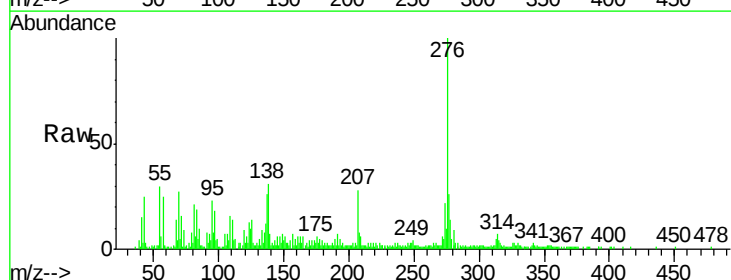
Tgt Ion:276 Resp: 83294

Ion Ratio Lower Upper

276 100

138 29.9 23.8 35.6

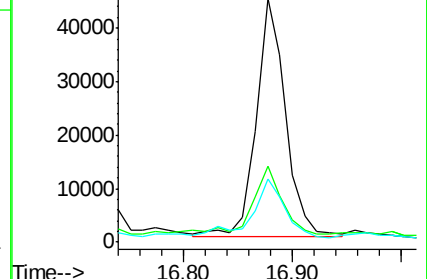
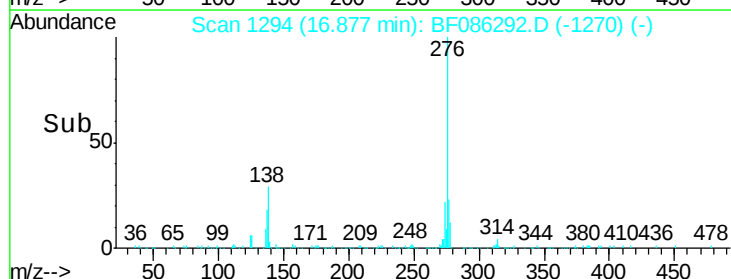
277 30.6 20.2 30.2#

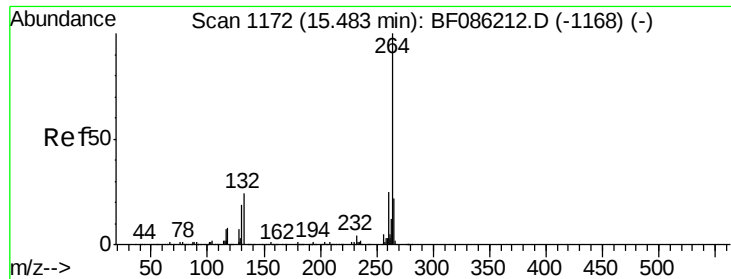


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

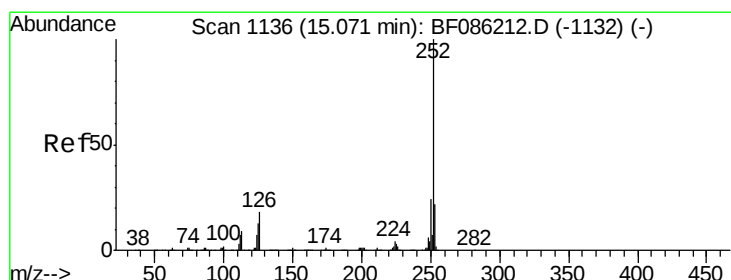
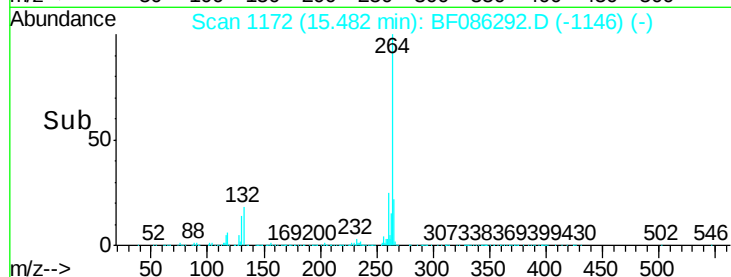
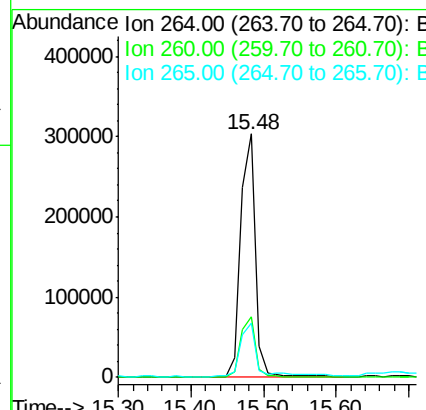
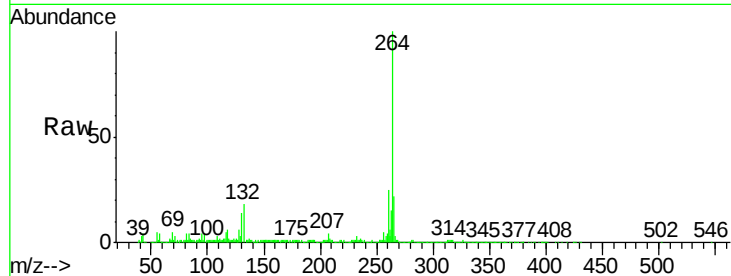




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF086292.D
Acq: 18 Apr 2016 20:05

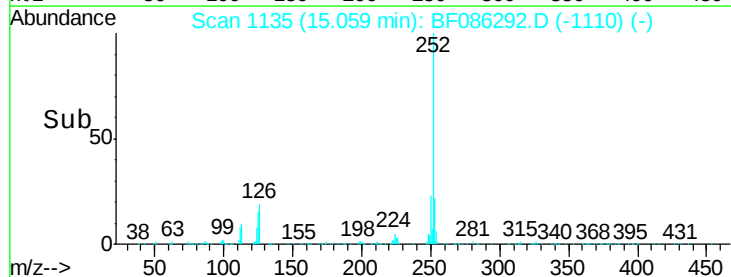
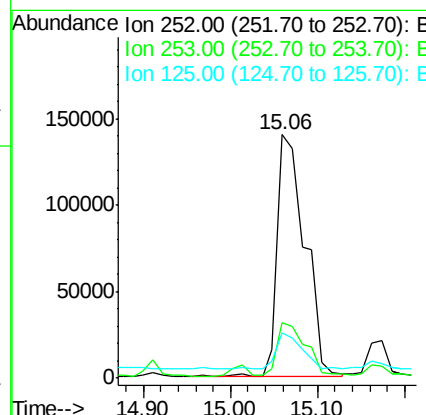
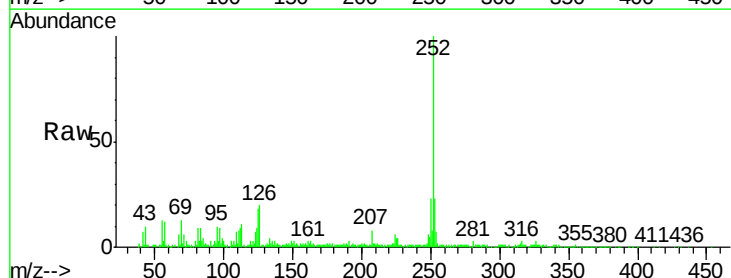
Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)

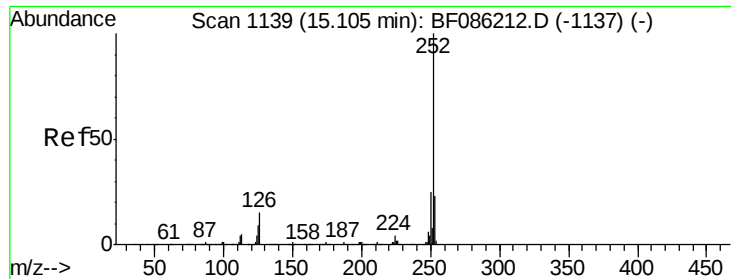
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.0	30.0
265	22.5	17.4	26.0



#87
Benzo(b)fluoranthene
Concen: 11.82 ng
RT: 15.06 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF086292.D
Acq: 18 Apr 2016 20:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	18.4	10.3	15.5





#88

Benzo(k)fluoranthene

Concen: 12.97 ng

RT: 15.06 min Scan# 1135

Delta R.T. -0.05 min

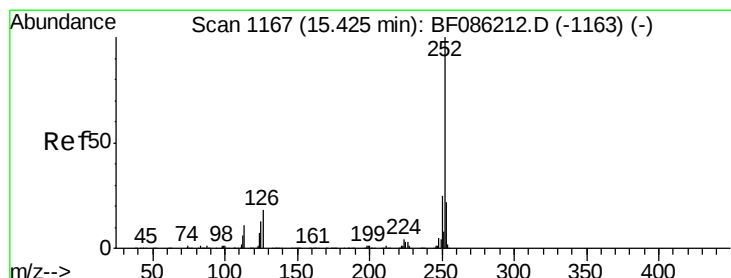
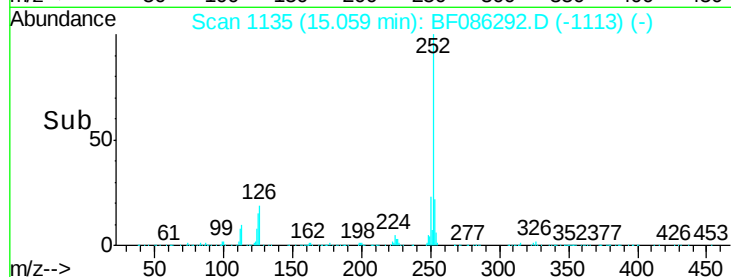
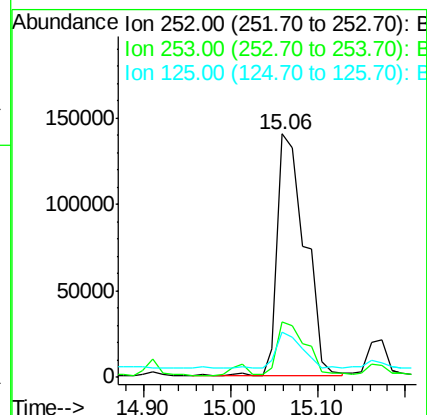
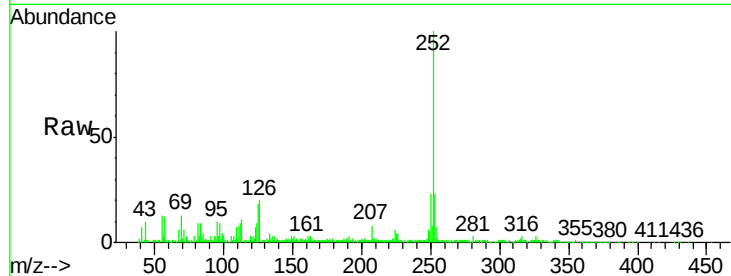
Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :
BNA_F
ClientSampleId :
SP-1-A(0-2)

Tgt Ion: 252 Resp: 308575

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	18.4	7.8	11.6



#89

Benzo(a)pyrene

Concen: 6.36 ng

RT: 15.41 min Scan# 1166

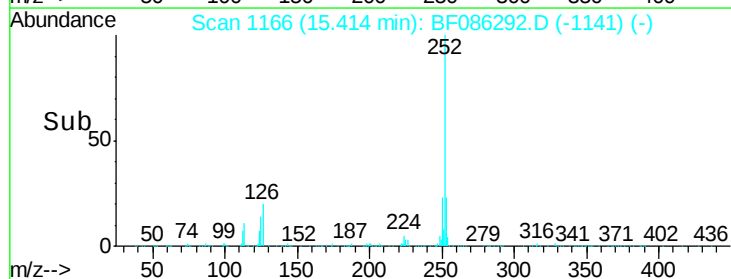
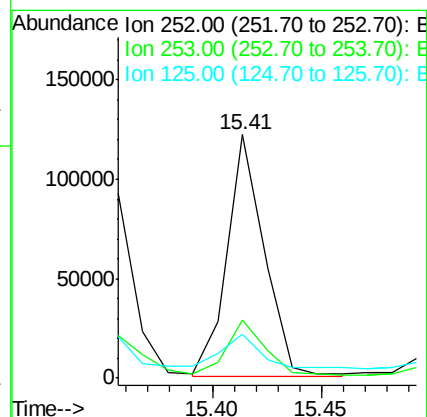
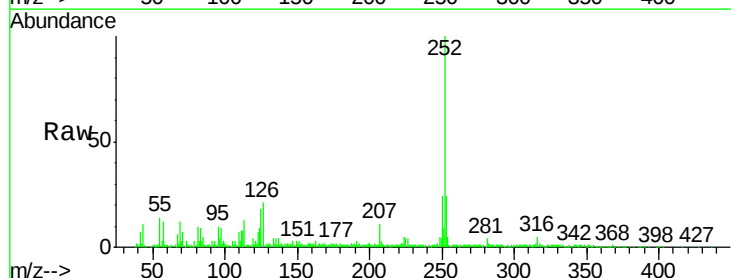
Delta R.T. -0.01 min

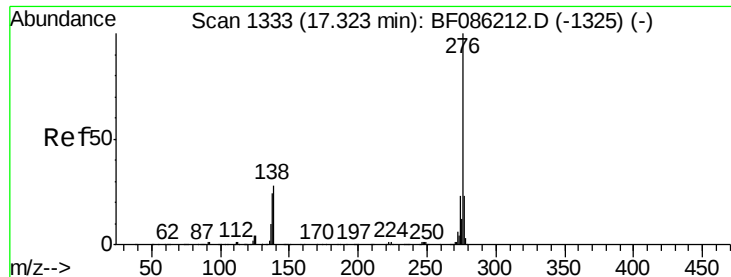
Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Tgt Ion: 252 Resp: 143817

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	18.0	11.2	16.8





#91

Benzo(g,h,i)perylene

Concen: 3.66 ng

RT: 17.31 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF086292.D

Acq: 18 Apr 2016 20:05

Instrument :

BNA_F

ClientSampleId :

SP-1-A(0-2)

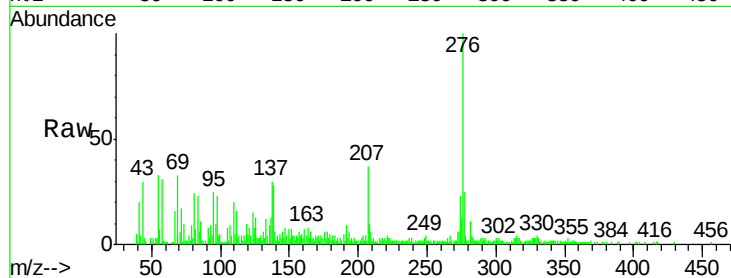
Tgt Ion: 276 Resp: 77646

Ion Ratio Lower Upper

276 100

277 25.2 19.0 28.6

138 27.6 19.6 29.4



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

