

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
 Data File : BF084942.D
 Acq On : 8 Feb 2016 21:33
 Operator : SJ/IZ
 Sample : H1360-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW007

Quant Time: Feb 09 03:56:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

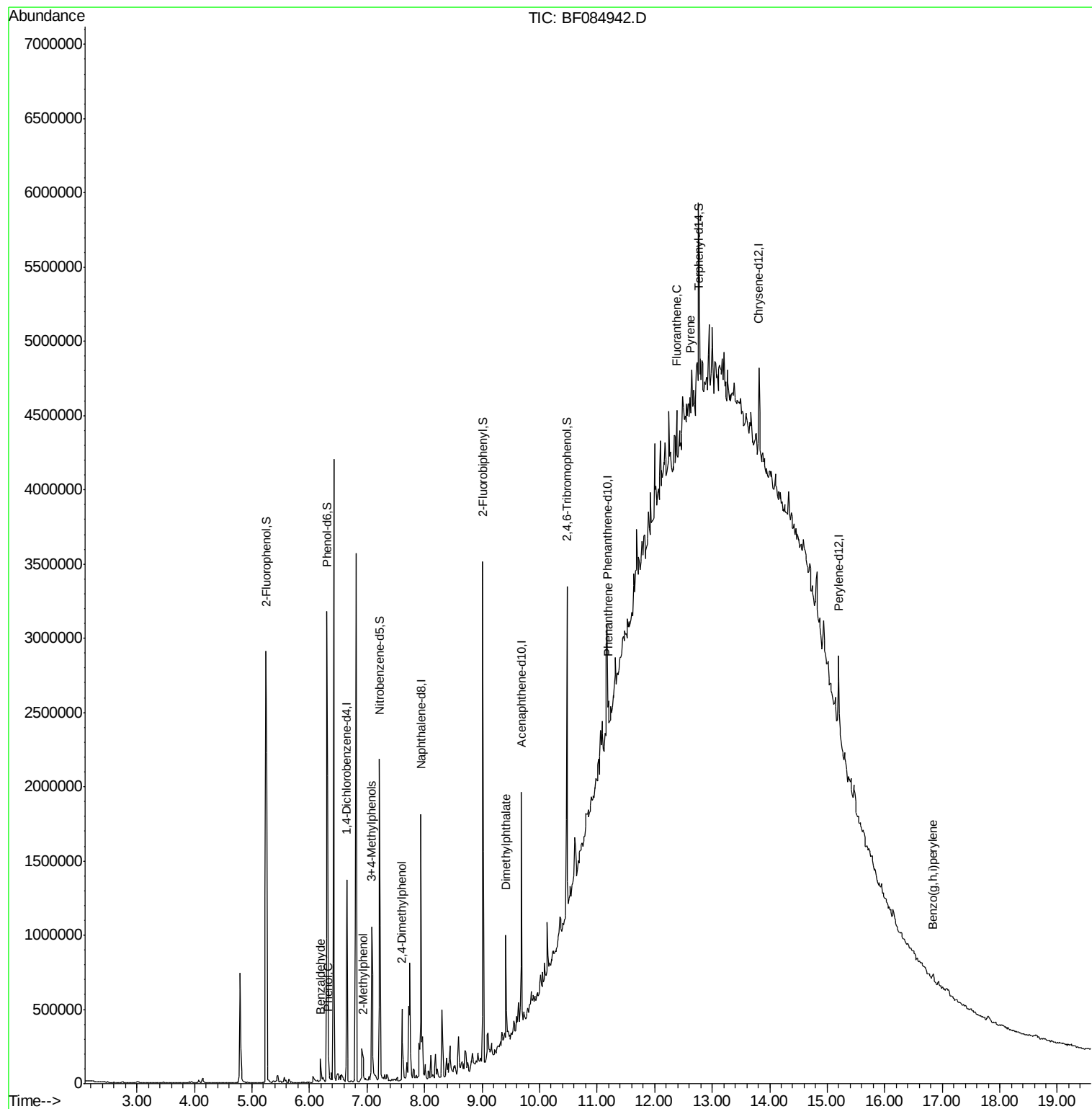
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	177005	20.00	ng	-0.03
21) Naphthalene-d8	7.94	136	741710	20.00	ng	-0.03
38) Acenaphthene-d10	9.69	164	295147	20.00	ng	-0.05
63) Phenanthrene-d10	11.17	188	392574	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	243053	20.00	ng	-0.02
86) Perylene-d12	15.20	264	241804	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1215997	107.00	ng	-0.03
7) Phenol-d6	6.30	99	1501819	106.60	ng	-0.03
23) Nitrobenzene-d5	7.22	82	852211	64.73	ng	-0.05
41) 2,4,6-Tribromophenol	10.48	330	257389	83.60	ng	-0.05
44) 2-Fluorobiphenyl	9.01	172	1192733	62.32	ng	-0.05
78) Terphenyl-d14	12.76	244	633698	59.08	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.19	77	44244	5.32	ng	97
10) Phenol	6.33	94	70575	4.47	ng	83
17) 2-Methylphenol	6.93	107	40318	3.96	ng	94
20) 3+4-Methylphenols	7.08	107	350002	27.72	ng	87
27) 2,4-Dimethylphenol	7.61	122	120049	9.92	ng	92
49) Dimethylphthalate	9.41	163	267159	11.88	ng	# 90
70) Phenanthrene	11.20	178	88509	4.06	ng	# 84
74) Fluoranthene	12.39	202	79395	3.60	ng	77
77) Pyrene	12.61	202	89138	4.79	ng	# 78
91) Benzo(g,h,i)perylene	16.84	276	27117	2.31	ng	# 88

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 399

Delta R.T. -0.03 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

Instrument :

BNA_F

ClientSampleId :

SW007

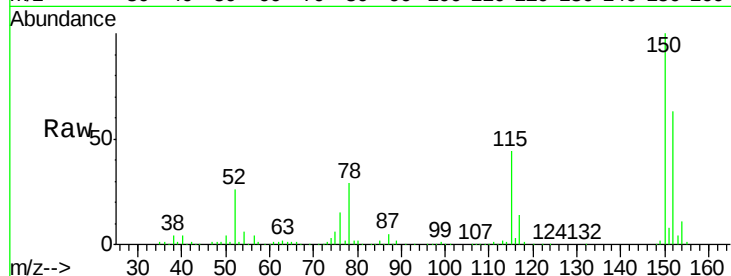
Tgt Ion:152 Resp: 177005

Ion Ratio Lower Upper

152 100

150 158.5 123.0 184.4

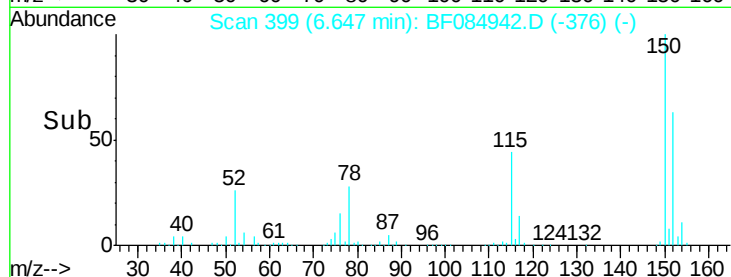
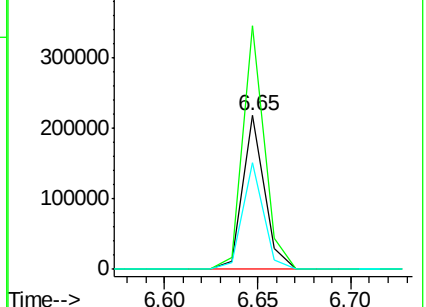
115 69.5 51.4 77.2



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: 107.00 ng

RT: 5.24 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

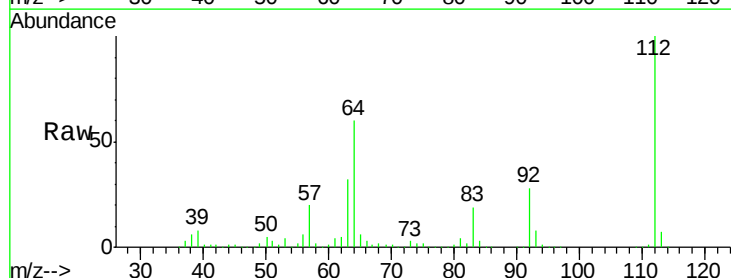
Tgt Ion:112 Resp: 1215997

Ion Ratio Lower Upper

112 100

64 60.2 36.6 55.0#

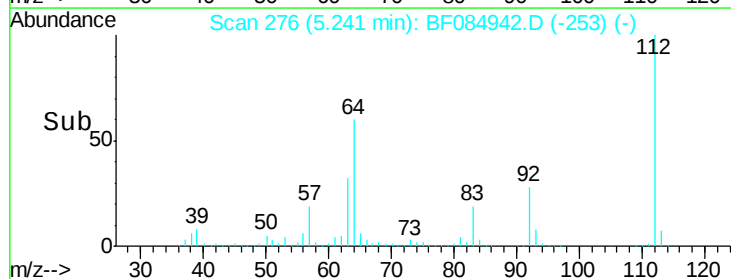
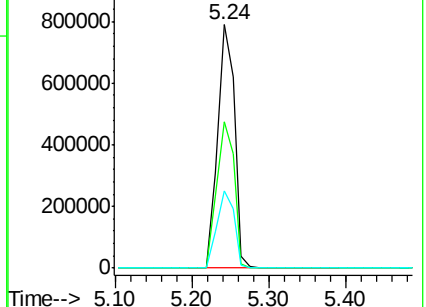
63 31.9 19.4 29.0#



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: 106.60 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

Instrument :

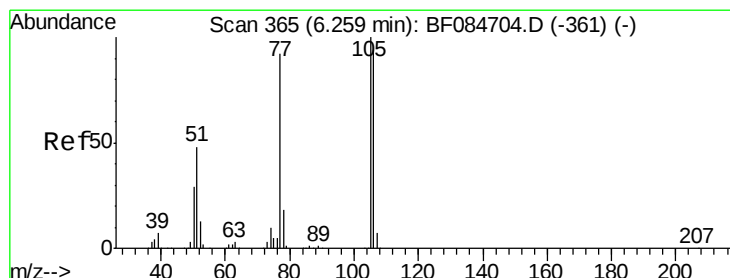
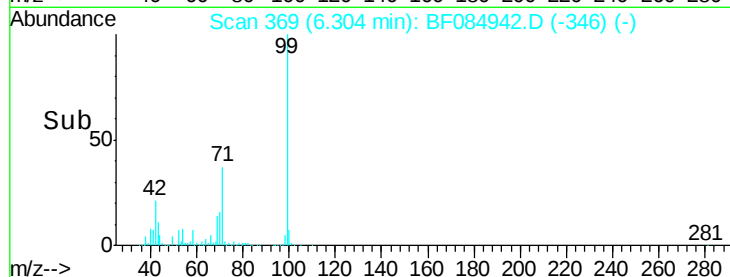
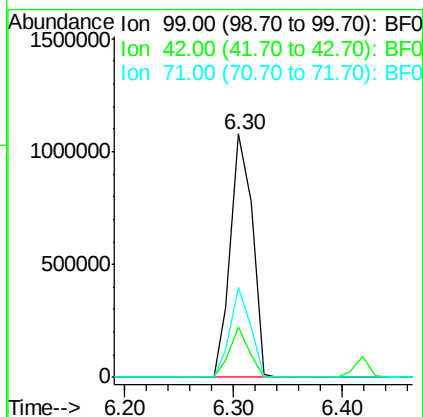
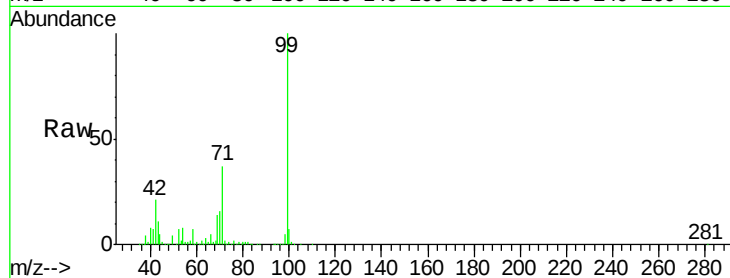
BNA_F

ClientSampleId :

SW007

Tgt Ion: 99 Resp: 1501819

Ion	Ratio	Lower	Upper
99	100		
42	20.7	12.8	19.2#
71	36.9	30.9	46.3



#9

Benzaldehyde

Concen: 5.32 ng

RT: 6.19 min Scan# 359

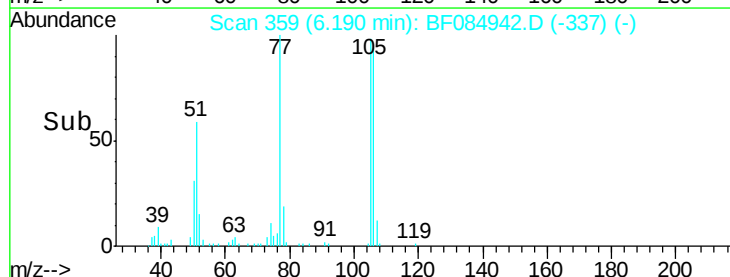
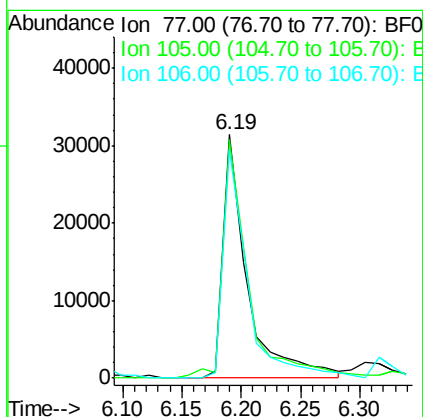
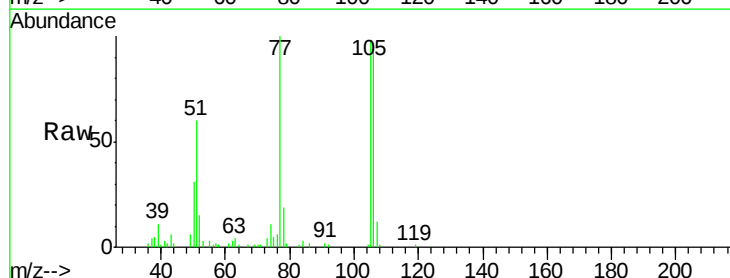
Delta R.T. -0.05 min

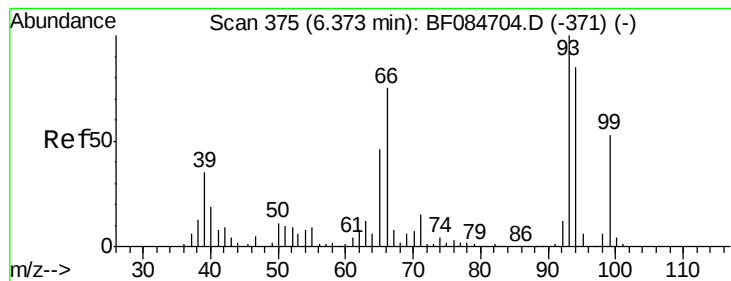
Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

Tgt Ion: 77 Resp: 44244

Ion	Ratio	Lower	Upper
77	100		
105	97.9	83.0	123.0
106	93.9	74.6	114.6





#10

Phenol

Concen: 4.47 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

Instrument :

BNA_F

ClientSampleId :

SW007

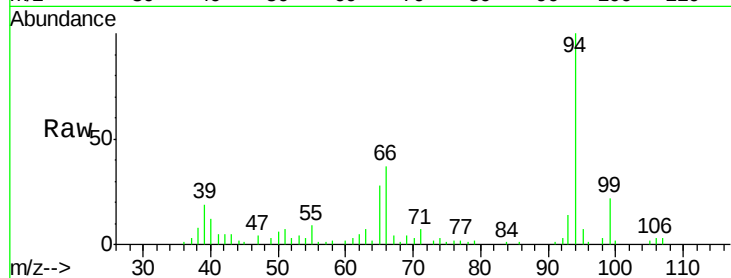
Tgt Ion: 94 Resp: 70575

Ion Ratio Lower Upper

94 100

65 27.8 12.9 52.9

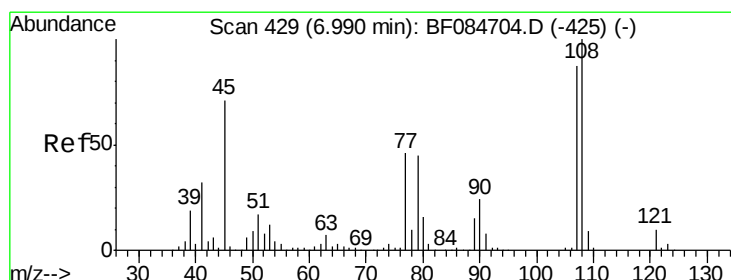
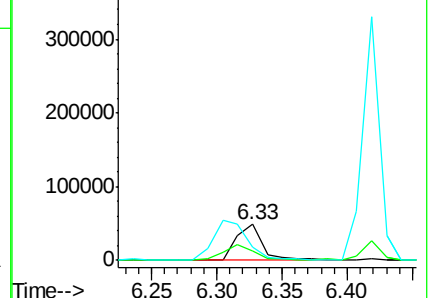
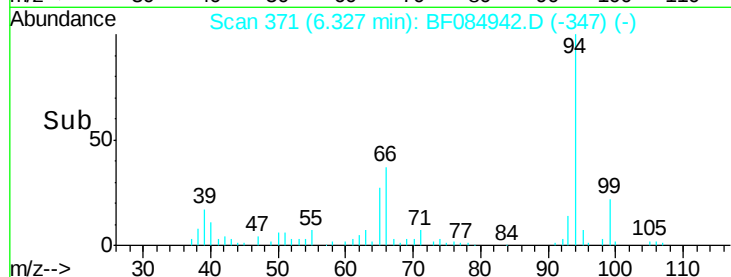
66 37.3 32.7 72.7



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#17

2-Methylphenol

Concen: 3.96 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.03 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

Tgt Ion: 107 Resp: 40318

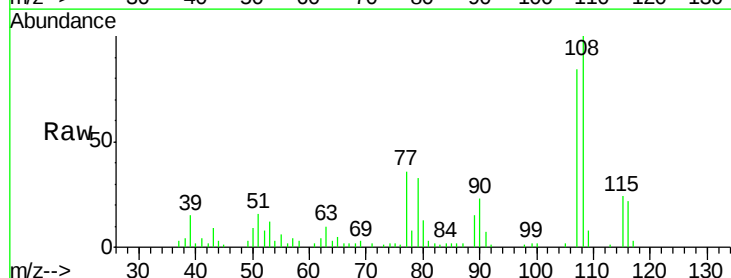
Ion Ratio Lower Upper

107 100

108 119.5 89.8 134.6

77 42.6 35.7 53.5

79 39.3 35.7 53.5

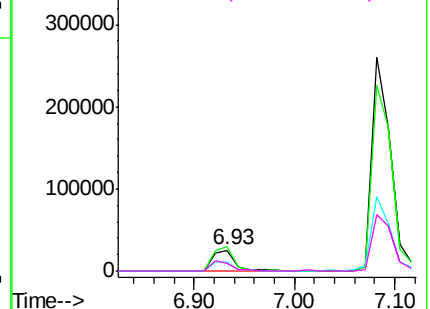
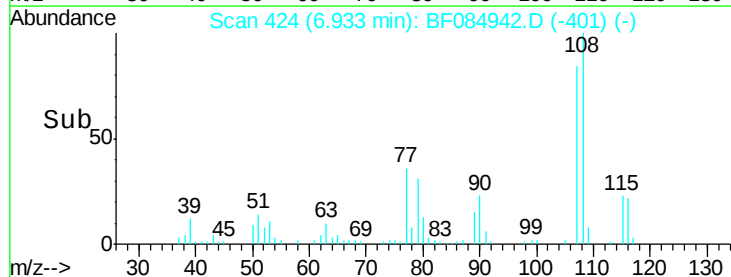


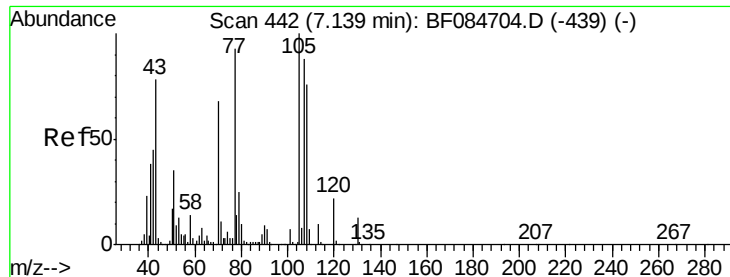
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#20

3+4-Methylphenols

Concen: 27.72 ng

RT: 7.08 min Scan# 437

Delta R.T. -0.05 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

Instrument :

BNA_F

ClientSampleId :

SW007

Tgt Ion:107 Resp: 350002

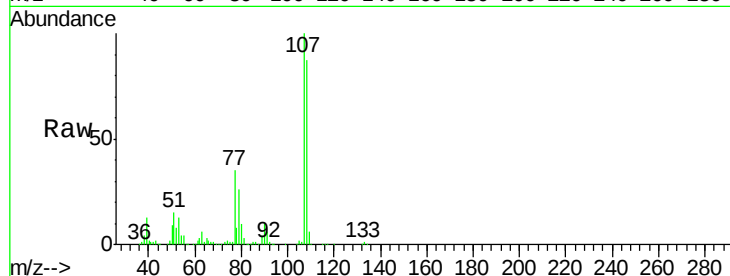
Ion Ratio Lower Upper

107 100

108 86.7 74.6 114.6

77 34.7 0.7 40.7

79 26.4 0.0 39.0

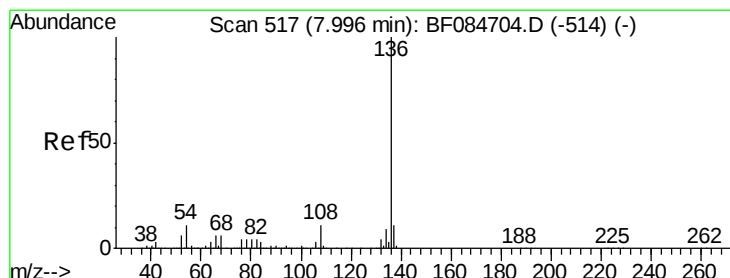
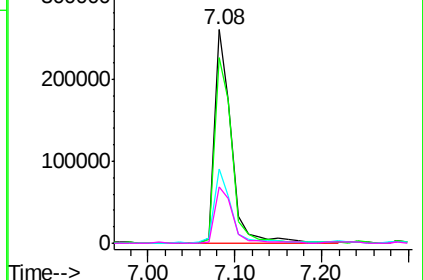
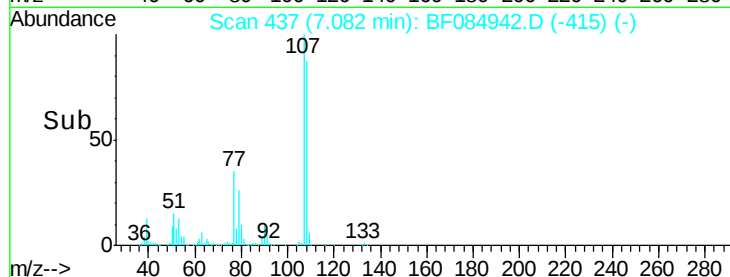


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 512

Delta R.T. -0.03 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

Tgt Ion:136 Resp: 741710

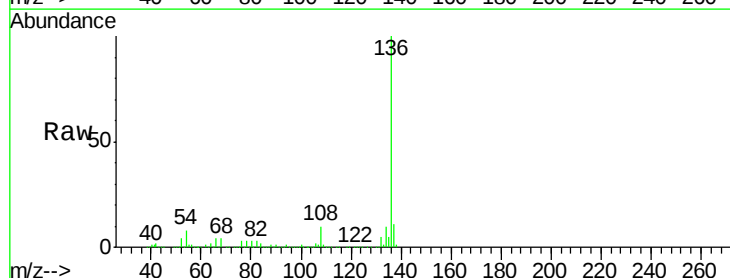
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.7 5.8 8.8

68 4.3 4.2 6.2

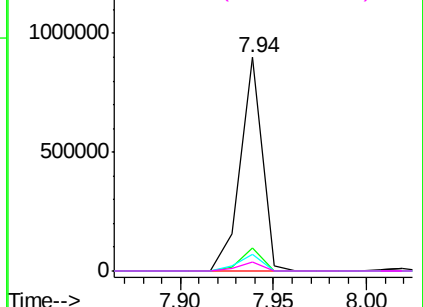
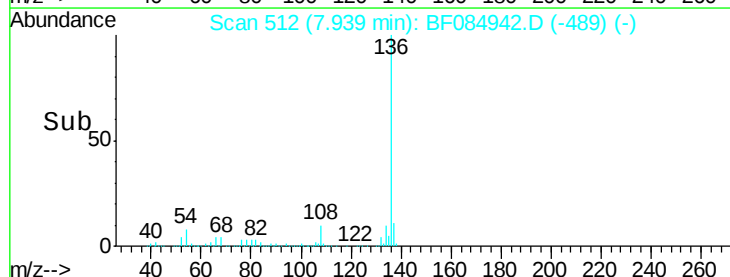


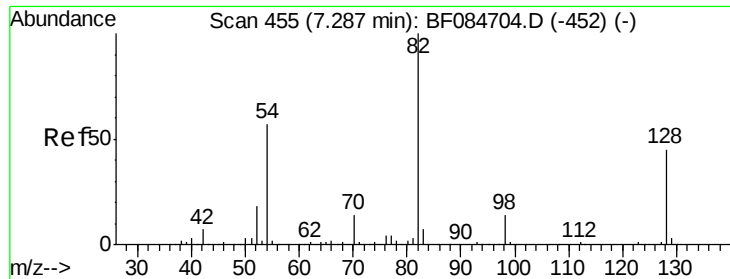
Abundance Ion 136.00 (135.70 to 136.70): E

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

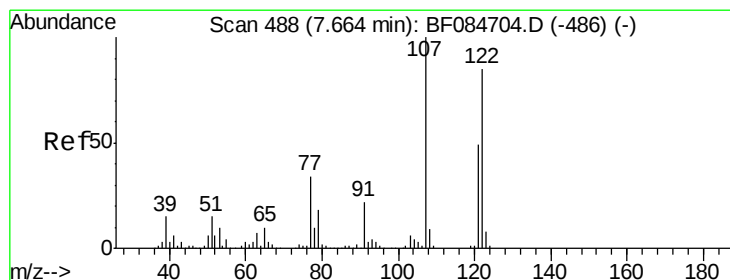
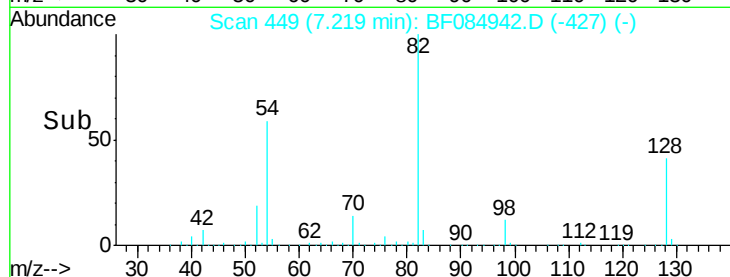
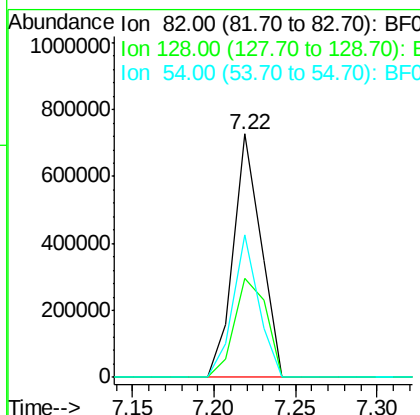
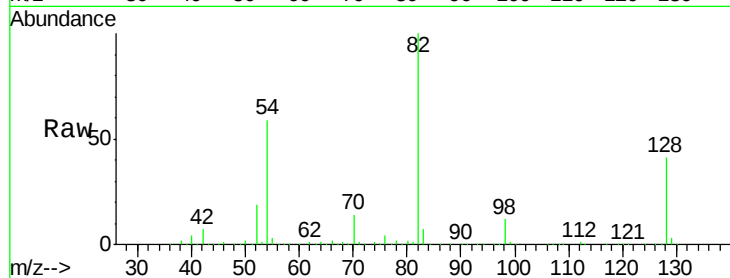




#23
 Nitrobenzene-d5
 Concen: 64.73 ng
 RT: 7.22 min Scan# 449
 Delta R.T. -0.05 min
 Lab File: BF084942.D
 Acq: 8 Feb 2016 21:33

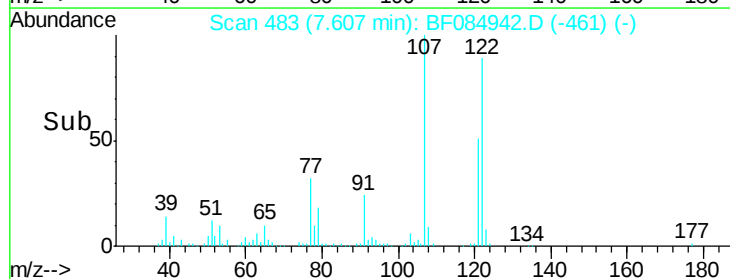
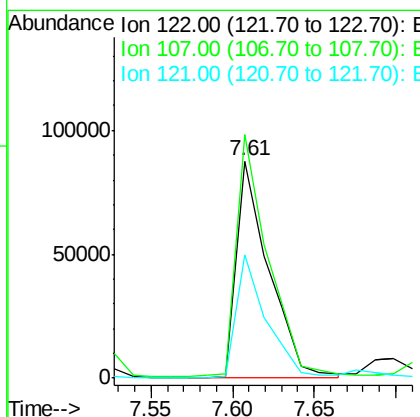
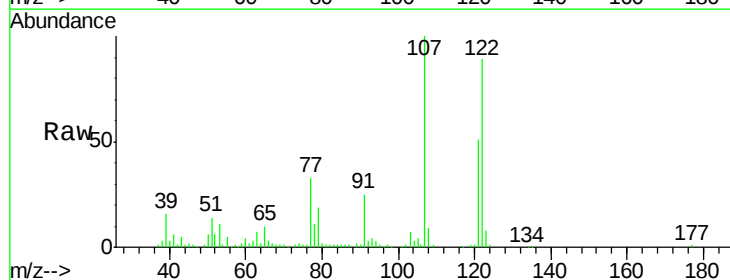
Instrument :
 BNA_F
 ClientSampleID :
 SW007

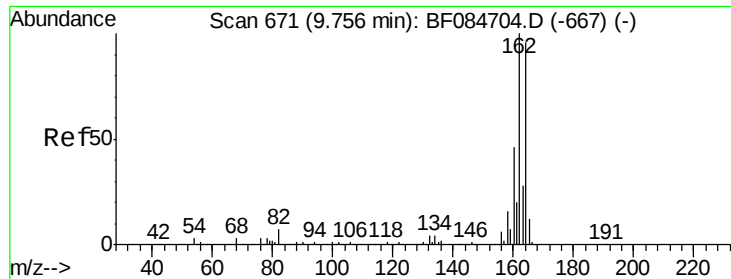
Tgt Ion: 82 Resp: 852211
 Ion Ratio Lower Upper
 82 100
 128 40.9 34.6 51.8
 54 58.6 38.4 57.6#



#27
 2,4-Dimethylphenol
 Concen: 9.92 ng
 RT: 7.61 min Scan# 483
 Delta R.T. -0.05 min
 Lab File: BF084942.D
 Acq: 8 Feb 2016 21:33

Tgt Ion: 122 Resp: 120049
 Ion Ratio Lower Upper
 122 100
 107 112.2 99.1 148.7
 121 57.1 47.9 71.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.05 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

Instrument :

BNA_F

ClientSampleId :

SW007

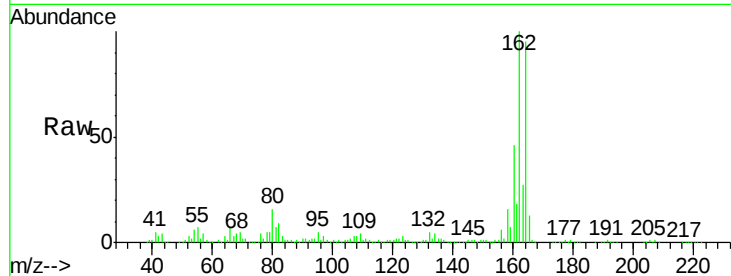
Tgt Ion:164 Resp: 295147

Ion Ratio Lower Upper

164 100

162 104.9 85.1 127.7

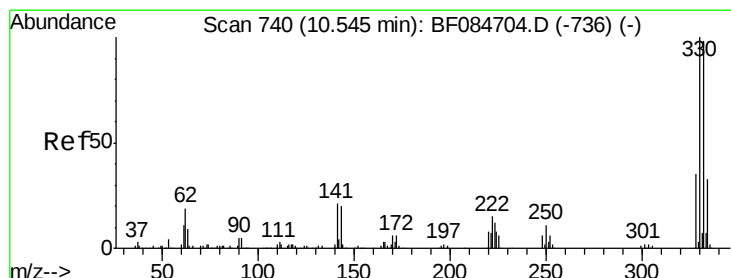
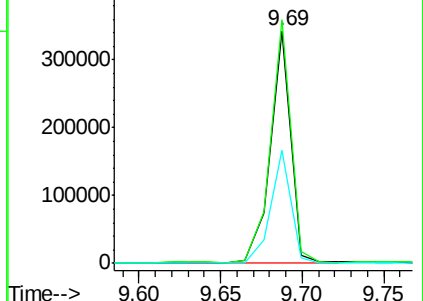
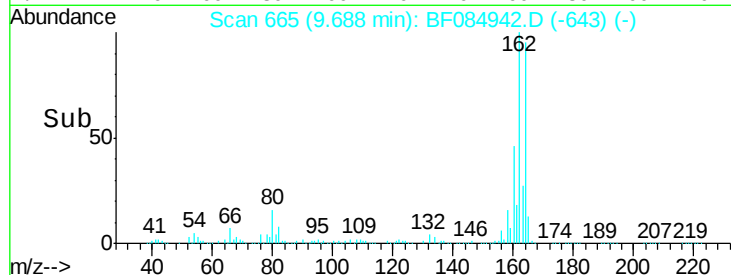
160 48.7 37.5 56.3



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: 83.60 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.05 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

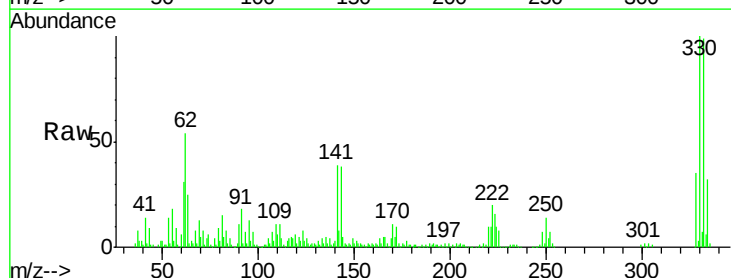
Tgt Ion:330 Resp: 257389

Ion Ratio Lower Upper

330 100

332 97.9 76.6 114.8

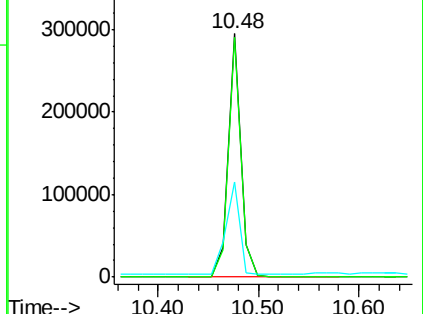
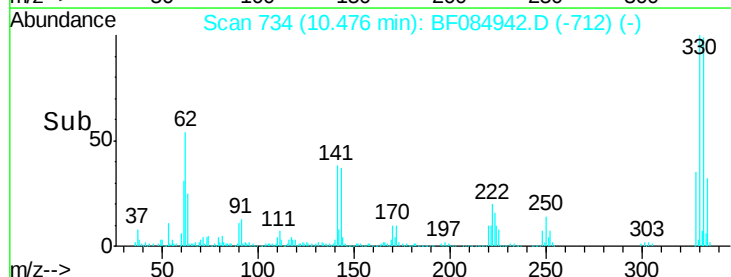
141 42.2 27.8 41.6#

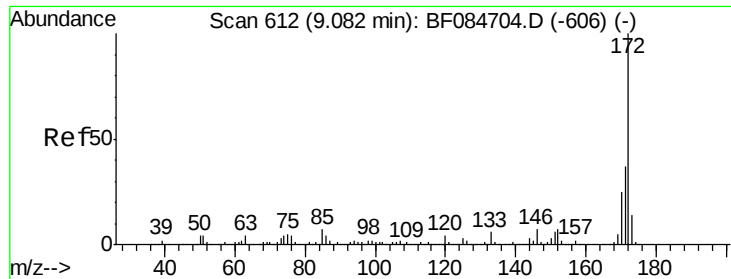


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 62.32 ng

RT: 9.01 min Scan# 606

Delta R.T. -0.05 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

Instrument :

BNA_F

ClientSampled :

SW007

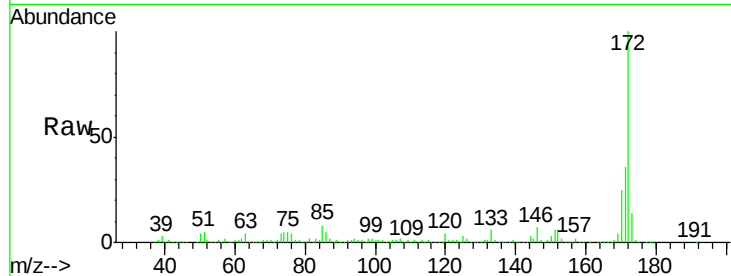
Tgt Ion:172 Resp: 1192733

Ion Ratio Lower Upper

172 100

171 36.4 28.9 43.3

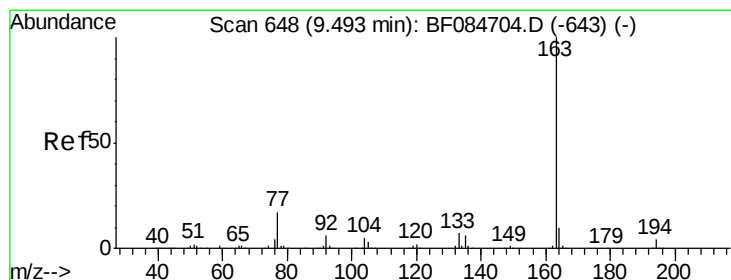
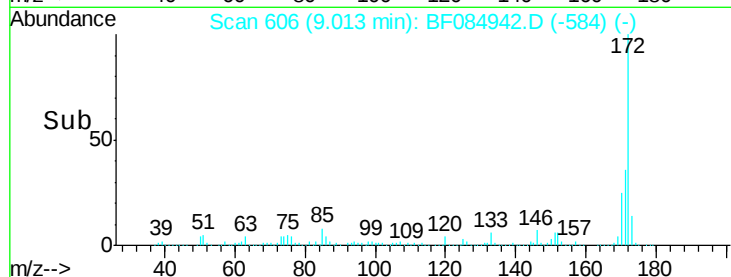
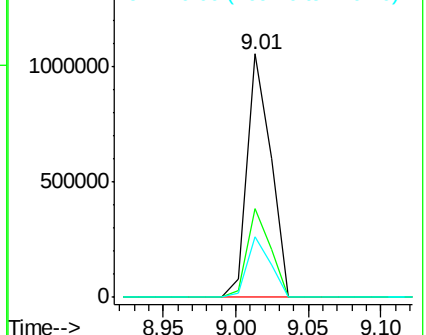
170 24.7 18.6 27.8



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: 11.88 ng

RT: 9.41 min Scan# 641

Delta R.T. -0.06 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

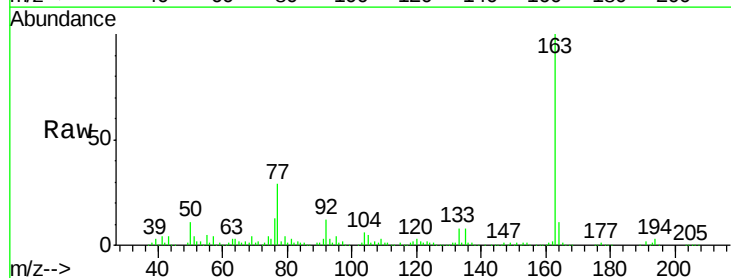
Tgt Ion:163 Resp: 267159

Ion Ratio Lower Upper

163 100

194 2.9 8.0 12.0#

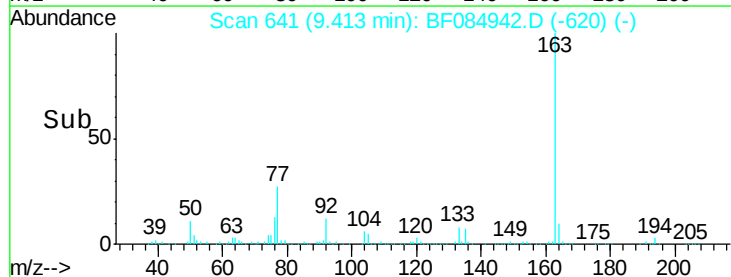
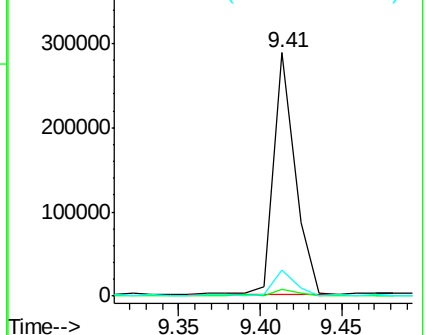
164 10.6 8.0 12.0

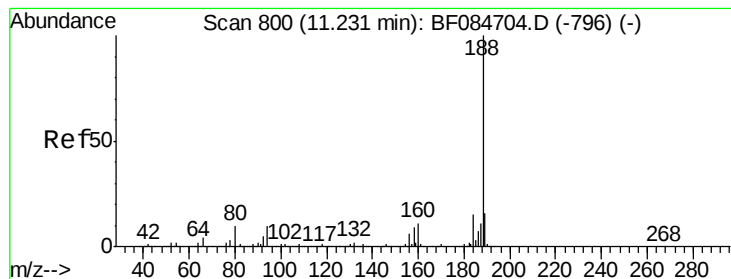


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.17 min Scan# 795

Delta R.T. -0.03 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

Instrument :

BNA_F

ClientSampleId :

SW007

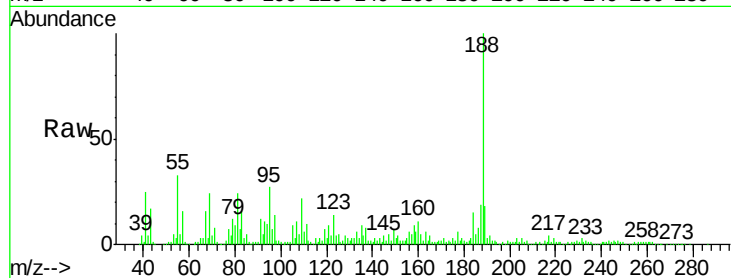
Tgt Ion:188 Resp: 392574

Ion Ratio Lower Upper

188 100

94 9.6 9.0 13.4

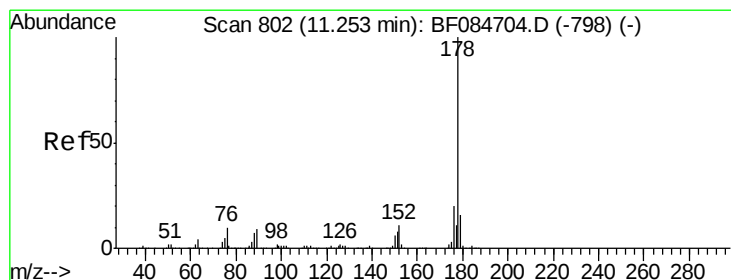
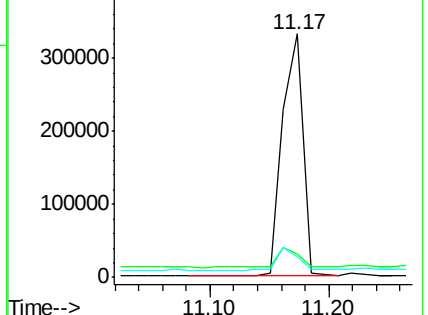
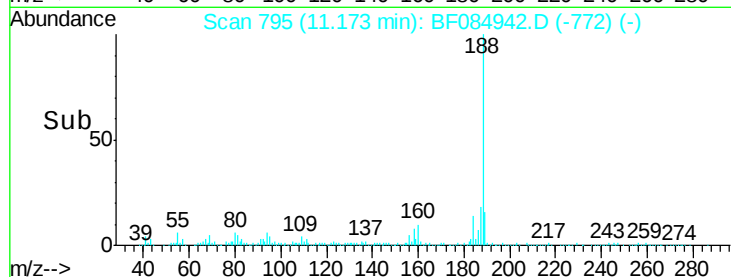
80 8.8 9.6 14.4#



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



#70

Phenanthrene

Concen: 4.06 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

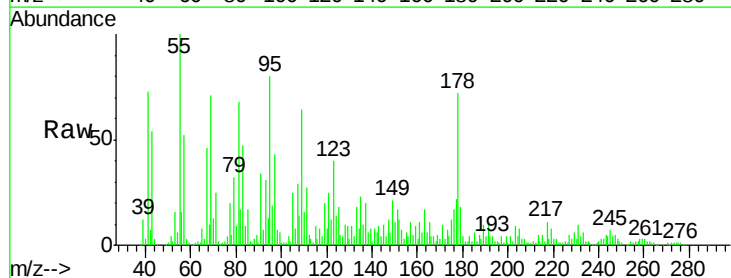
Tgt Ion:178 Resp: 88509

Ion Ratio Lower Upper

178 100

176 24.2 15.3 22.9#

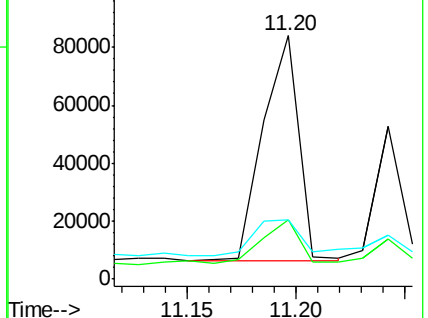
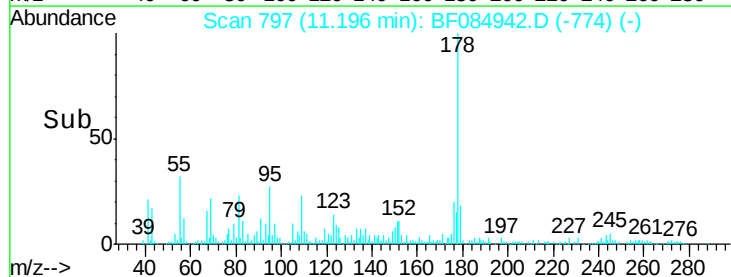
179 24.5 12.0 18.0#

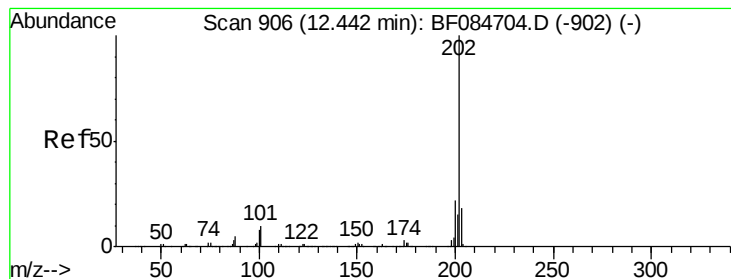


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.60 ng

RT: 12.39 min Scan# 901

Delta R.T. -0.03 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

Instrument :

BNA_F

ClientSampleId :

SW007

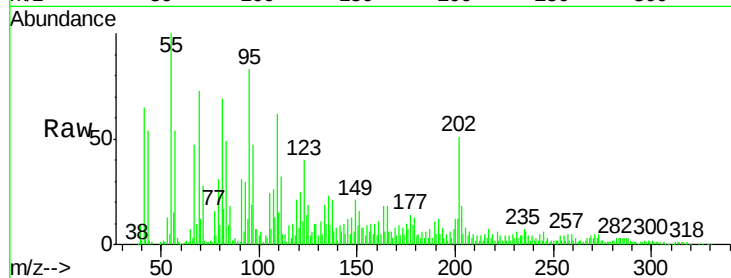
Tgt Ion:202 Resp: 79395

Ion Ratio Lower Upper

202 100

101 12.0 0.0 32.8

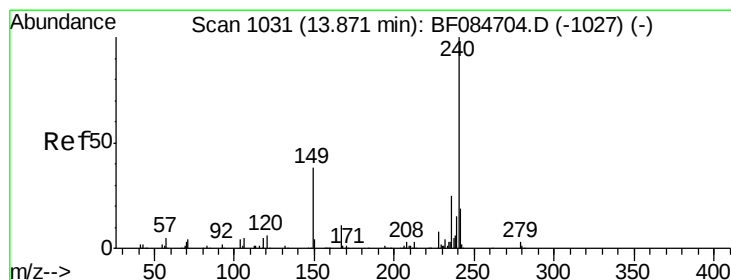
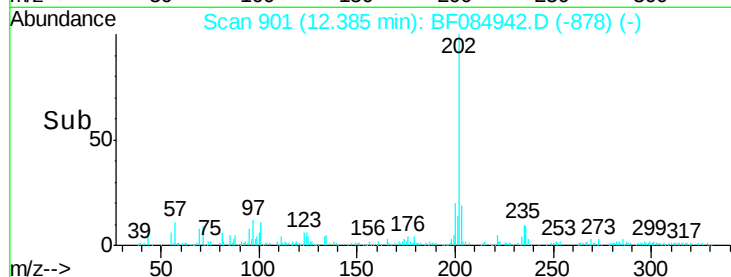
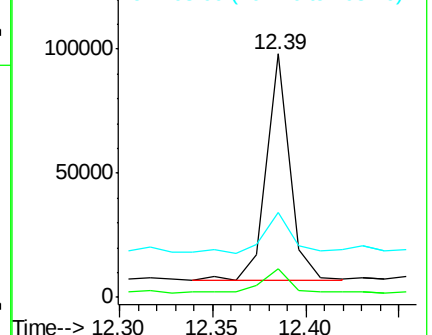
203 34.7 0.0 37.9



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: 13.81 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

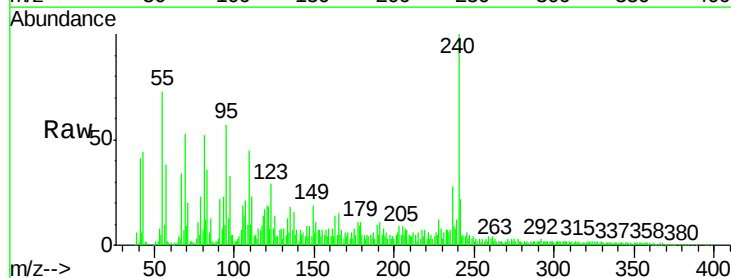
Tgt Ion:240 Resp: 243053

Ion Ratio Lower Upper

240 100

120 19.1 9.5 14.3#

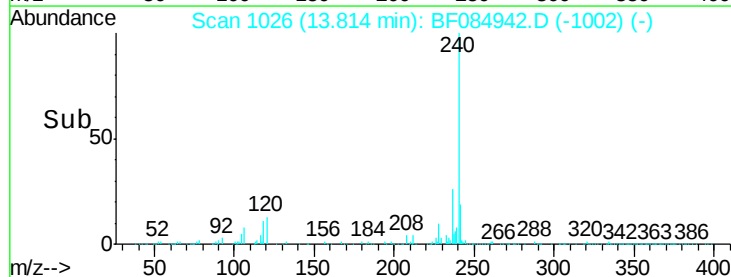
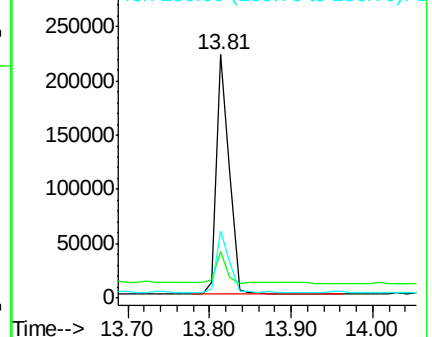
236 27.5 20.6 31.0

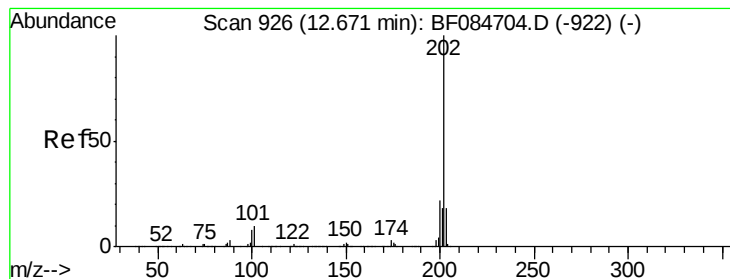


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.79 ng

RT: 12.61 min Scan# 921

Delta R.T. -0.02 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

Instrument :

BNA_F

ClientSampleId :

SW007

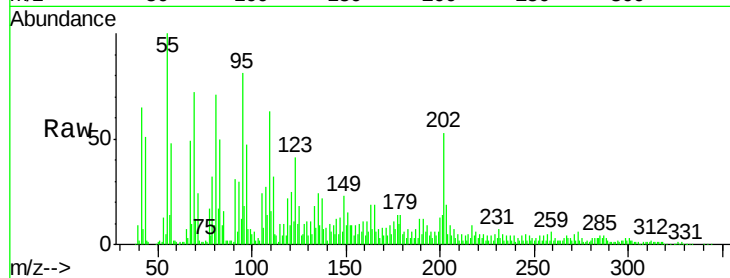
Tgt Ion:202 Resp: 89138

Ion Ratio Lower Upper

202 100

200 25.3 17.2 25.8

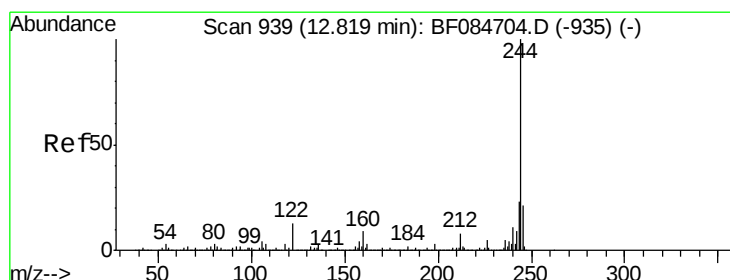
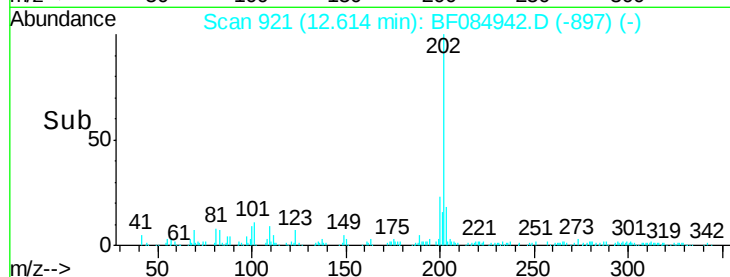
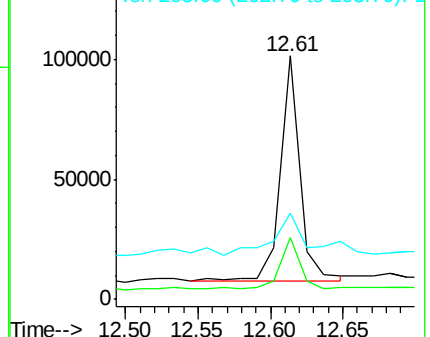
203 35.2 14.3 21.5#



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: 59.08 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084942.D

Acq: 8 Feb 2016 21:33

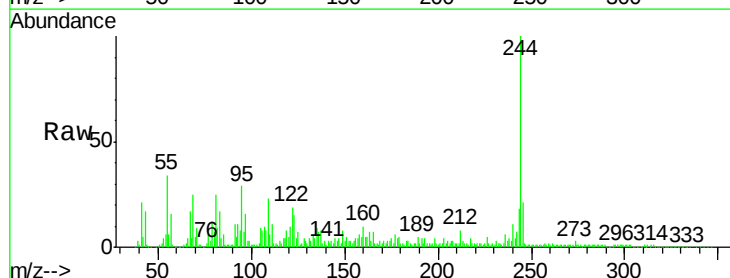
Tgt Ion:244 Resp: 633698

Ion Ratio Lower Upper

244 100

212 8.2 5.7 8.5

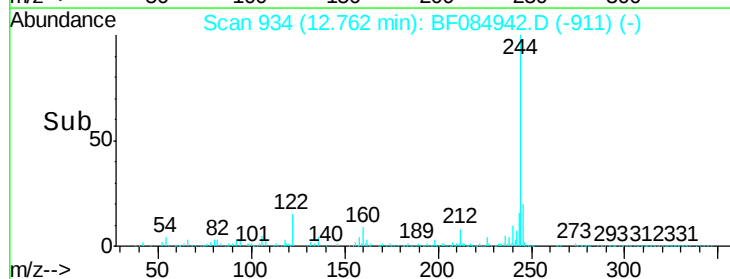
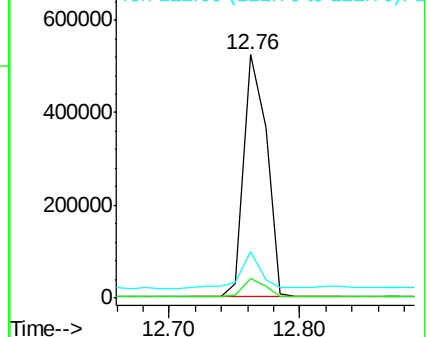
122 18.9 7.4 11.0#

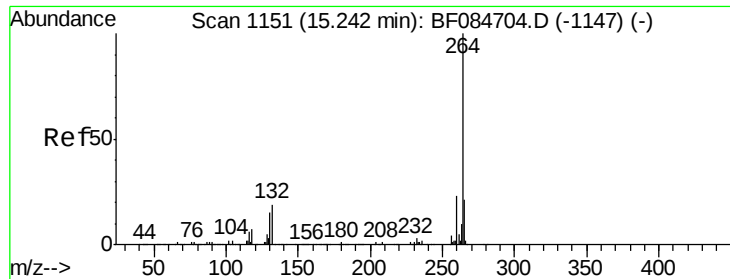


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

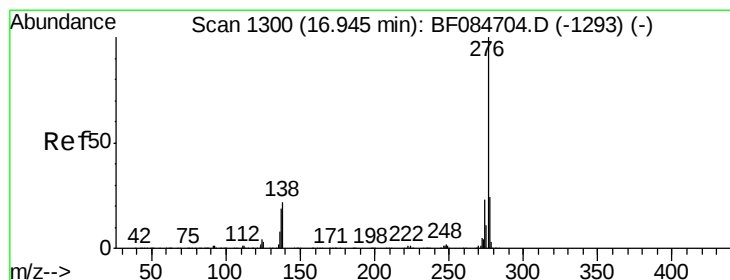
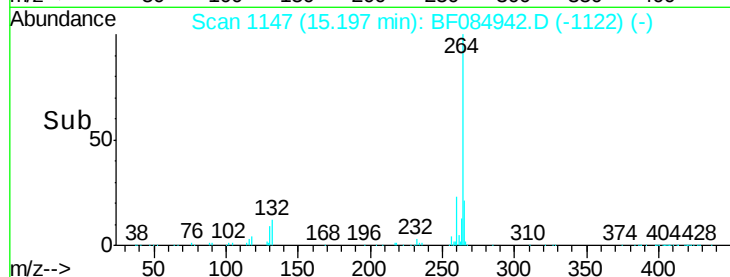
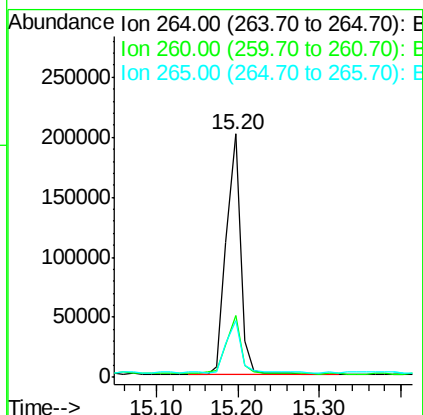
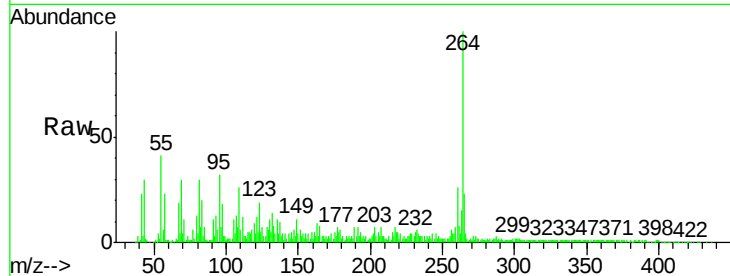




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF084942.D
Acq: 8 Feb 2016 21:33

Instrument :
BNA_F
ClientSampled :
SW007

Tgt Ion: 264 Resp: 241804
Ion Ratio Lower Upper
264 100
260 25.5 19.4 29.2
265 23.2 17.8 26.6



#91
Benzo(g,h,i)perylene
Concen: 2.31 ng
RT: 16.84 min Scan# 1291
Delta R.T. -0.05 min
Lab File: BF084942.D
Acq: 8 Feb 2016 21:33

Tgt Ion: 276 Resp: 27117
Ion Ratio Lower Upper
276 100
277 32.6 18.8 28.2#
138 24.5 17.8 26.6

