

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\
 Data File : BF086711.D
 Acq On : 5 May 2016 15:55
 Operator : UM/SJ
 Sample : H2762-11RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMPRES

Quant Time: May 06 03:57:48 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

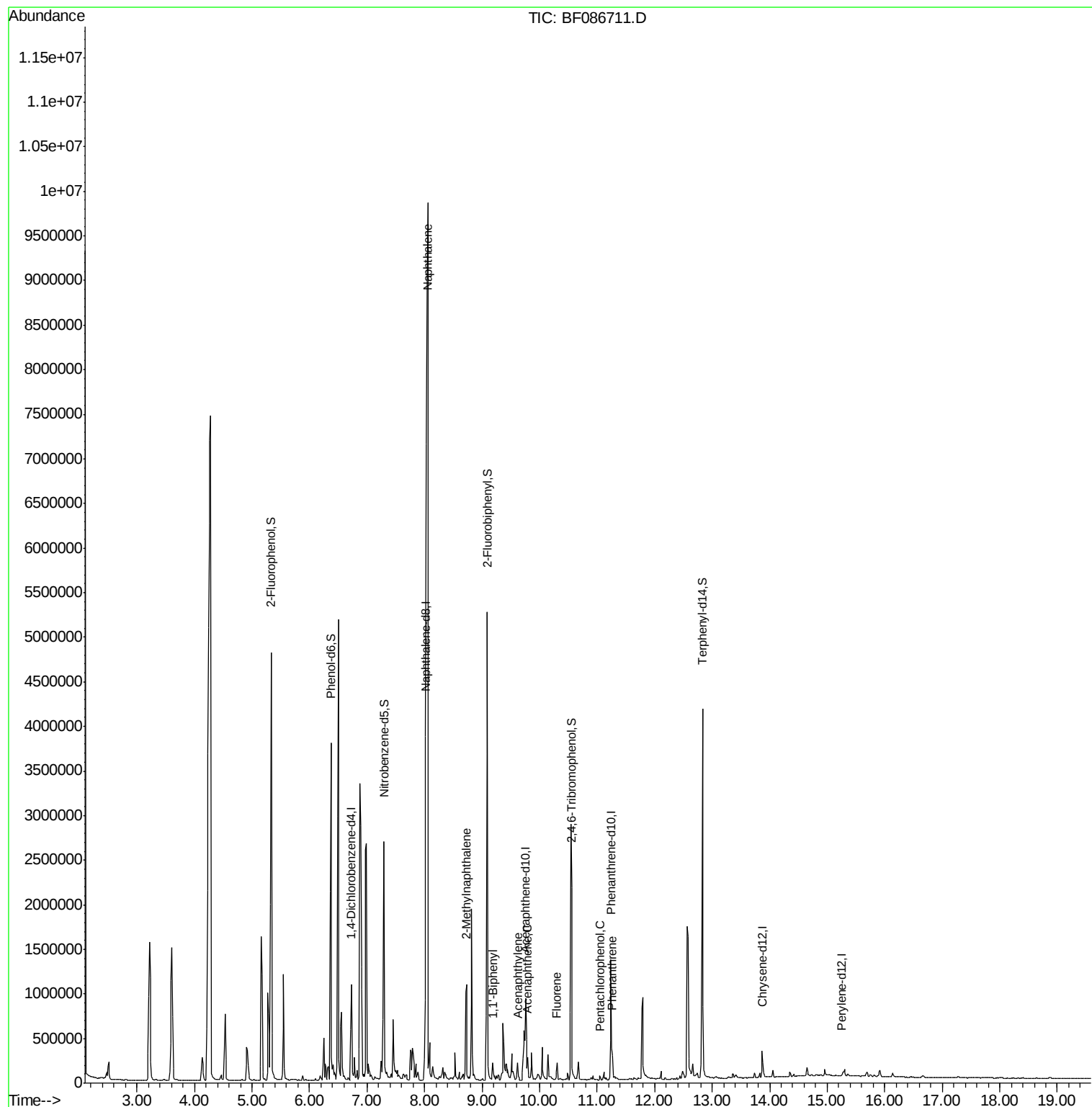
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	190767	40.00	ng	-0.01
21) Naphthalene-d8	8.02	136	676183	40.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	154020	40.00	ng	-0.02
63) Phenanthrene-d10	11.24	188	424667	40.00	ng	-0.01
75) Chrysene-d12	13.87	240	64041	40.00	ng	-0.01
86) Perylene-d12	15.25	264	2319	40.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1264111	109.70	ng	0.01
7) Phenol-d6	6.37	99	991552	63.88	ng	0.00
23) Nitrobenzene-d5	7.30	82	1380926	104.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	525907	349.05	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	2131586	226.86	ng	-0.01
78) Terphenyl-d14	12.83	244	965184	304.59	ng	-0.01
Target Compounds						
31) Naphthalene	8.05	128	8330820	241.15	ng	Qvalue # 93
37) 2-Methylnaphthalene	8.73	142	446991	21.93	ng	100
45) 1,1'-Biphenyl	9.18	154	68309	5.42	ng	97
48) Acenaphthylene	9.62	152	70341	4.88	ng	97
51) Acenaphthene	9.79	154	53647	5.64	ng	98
57) Fluorene	10.30	166	57537	6.02	ng	97
69) Pentachlorophenol	11.05	266	1705	6.45	ng	93
70) Phenanthrene	11.26	178	102768	4.51	ng	96

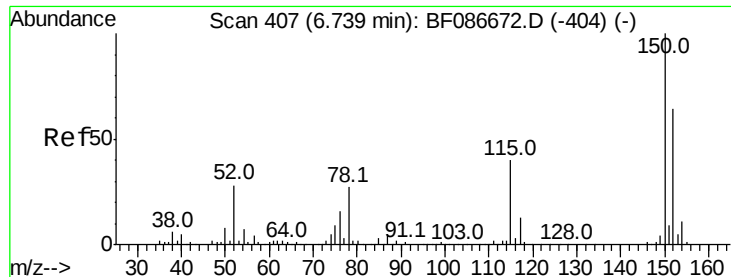
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF086711.D

Acq: 5 May 2016 15:55

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

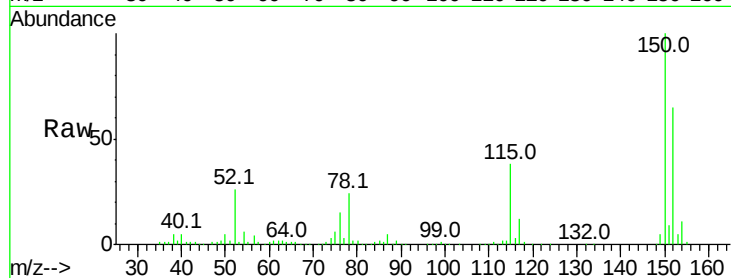
Tot Ion:152 Resp: 190767

Ion Ratio Lower Upper

152 100

150 154.2 125.8 188.6

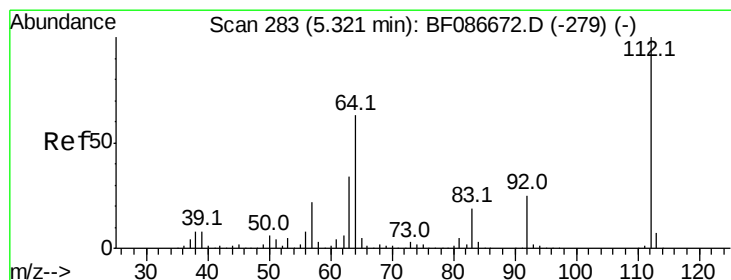
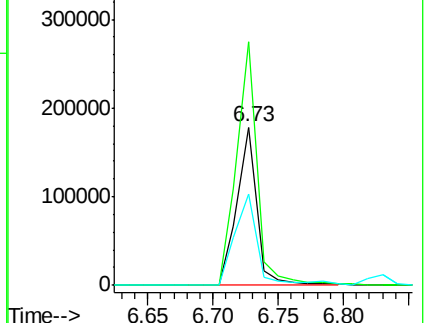
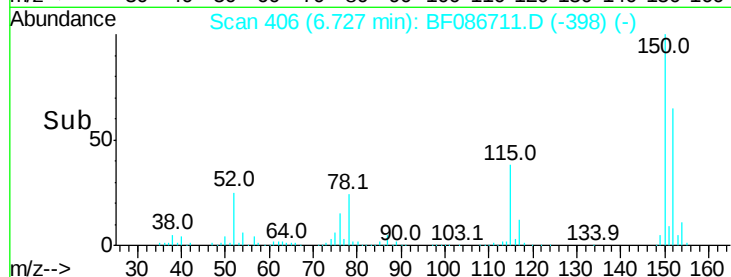
115 58.2 51.5 77.3



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: 109.70 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: BF086711.D

Acq: 5 May 2016 15:55

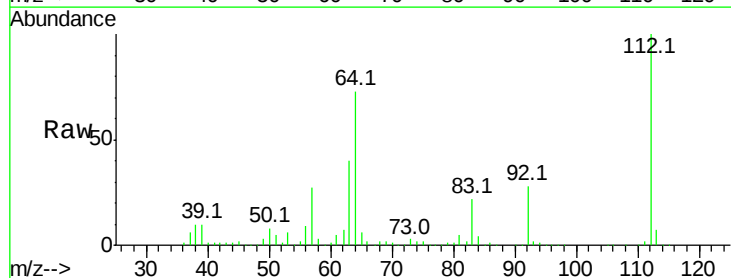
Tgt Ion:112 Resp: 1264111

Ion Ratio Lower Upper

112 100

64 73.4 52.1 78.1

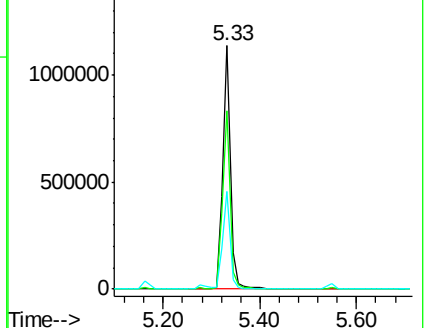
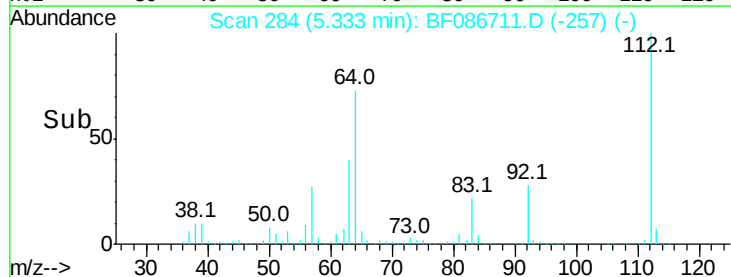
63 40.0 25.7 38.5#

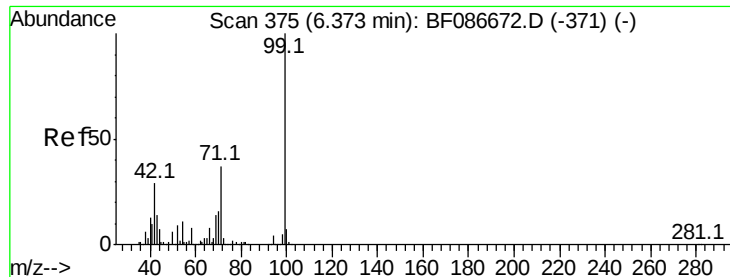


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 63.88 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086711.D

Acq: 5 May 2016 15:55

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

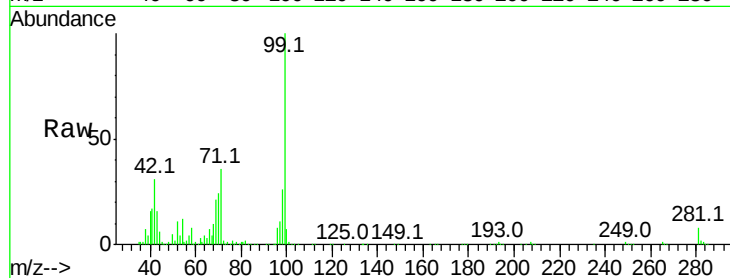
Tot Ion: 99 Resp: 991552

Ion Ratio Lower Upper

99 100

42 31.3 13.6 20.4#

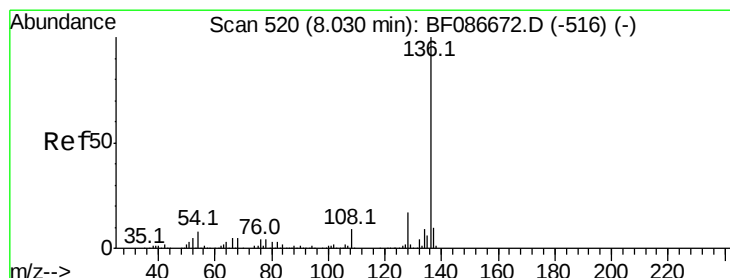
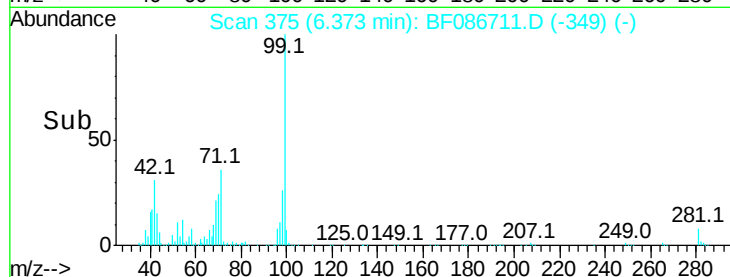
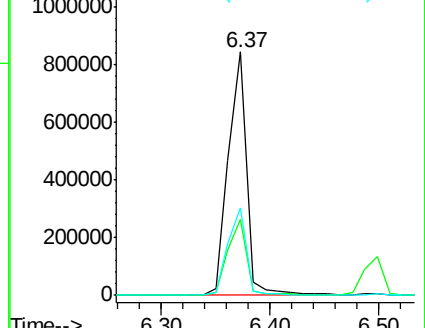
71 36.2 24.6 36.8



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



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF086711.D

Acq: 5 May 2016 15:55

Tgt Ion: 136 Resp: 676183

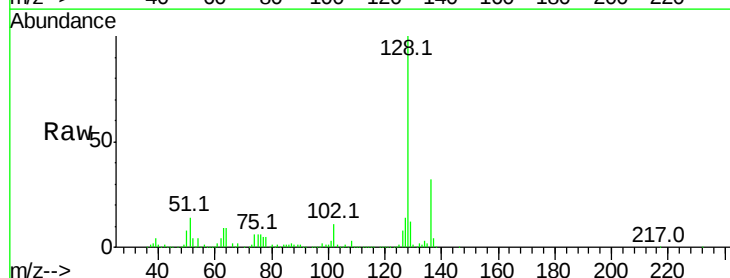
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 11.3 5.0 7.4#

68 6.2 4.4 6.6

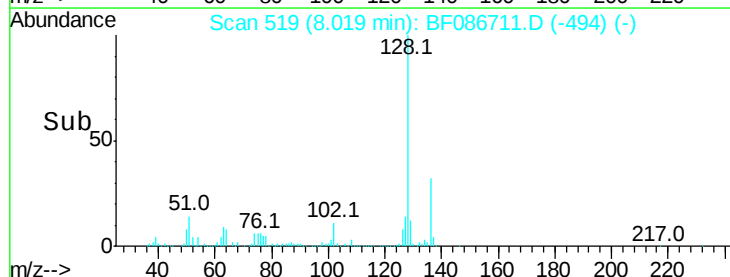
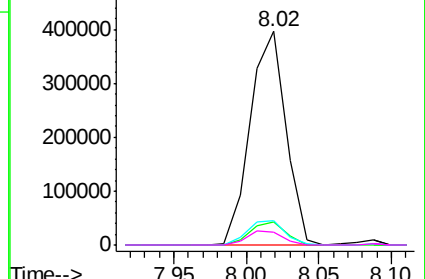


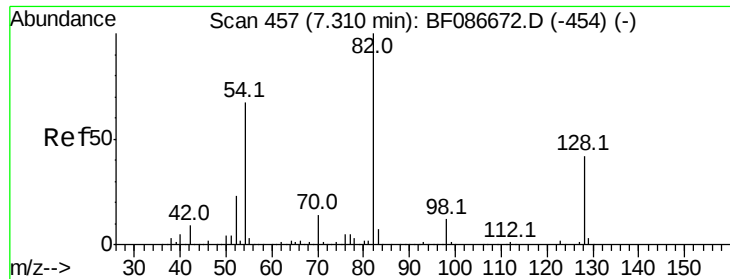
Abundance Ion 136.00 (135.70 to 136.70): E

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

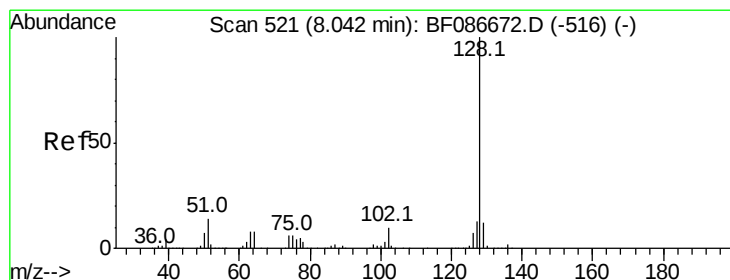
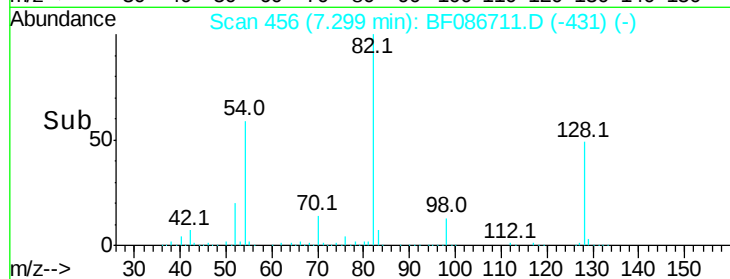
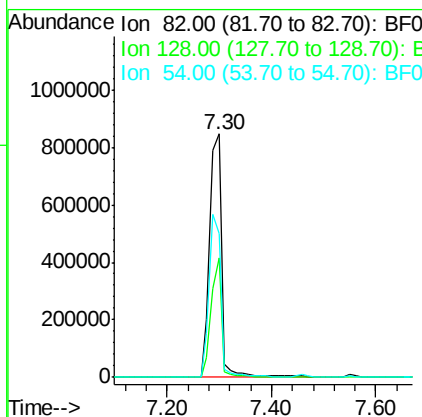
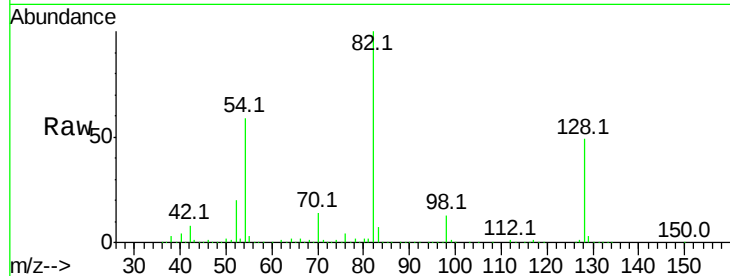




#23
 Nitrobenzene-d5
 Concen: 104.95 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF086711.D
 Acq: 5 May 2016 15:55

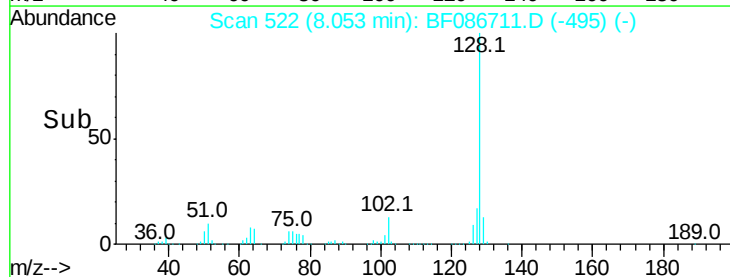
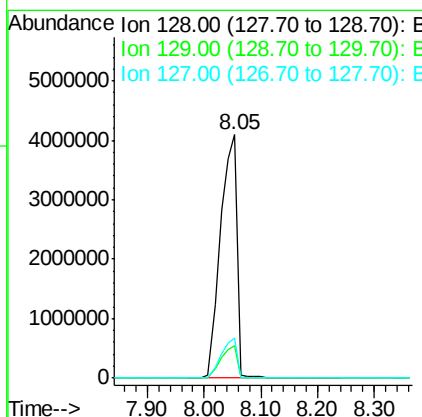
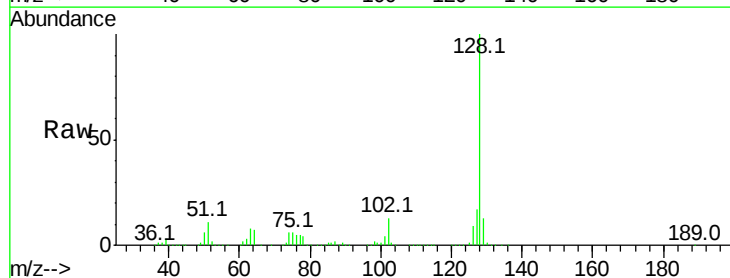
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMP

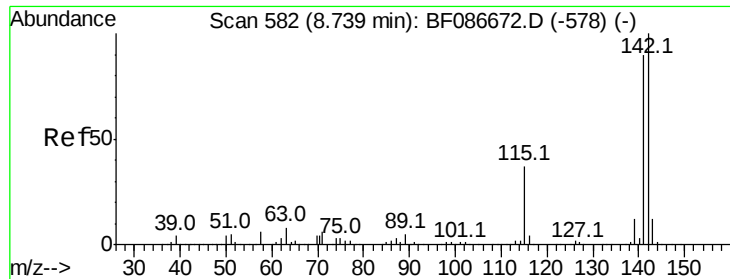
Tot Ion: 82 Resp: 1380926
 Ion Ratio Lower Upper
 82 100
 128 48.8 40.6 61.0
 54 59.1 38.1 57.1#



#31
 Naphthalene
 Concen: 241.15 ng
 RT: 8.05 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: BF086711.D
 Acq: 5 May 2016 15:55

Tgt Ion:128 Resp: 8330820
 Ion Ratio Lower Upper
 128 100
 129 13.4 8.6 13.0#
 127 16.7 10.8 16.2#

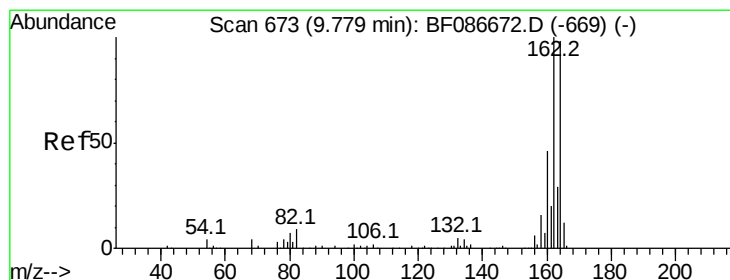
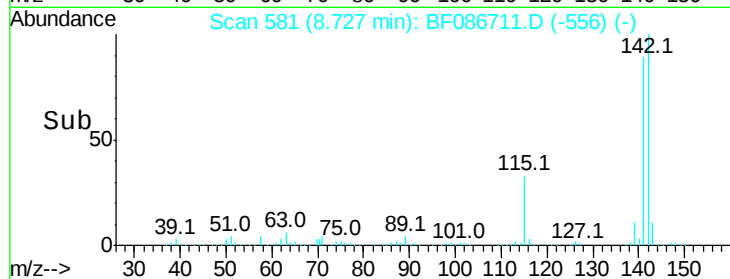
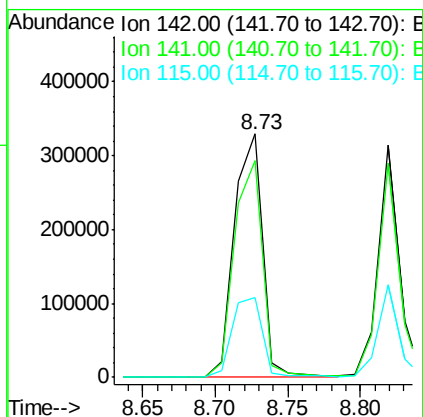
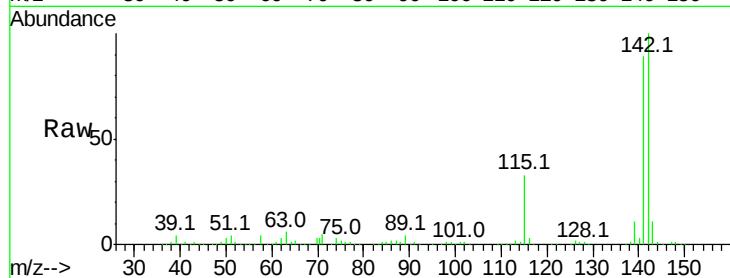




#37
2-Methylnaphthalene
Concen: 21.93 ng
RT: 8.73 min Scan# 581
Delta R.T. -0.01 min
Lab File: BF086711.D
Acq: 5 May 2016 15:55

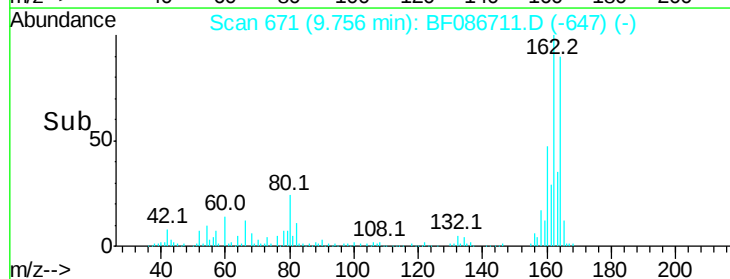
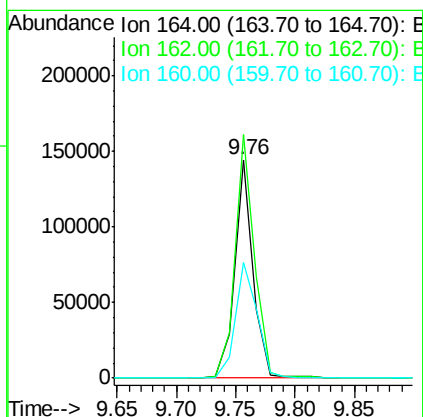
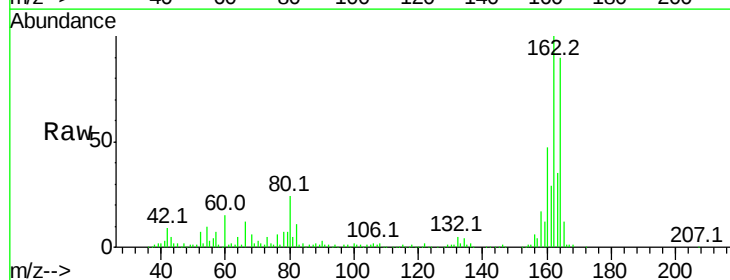
Instrument :
BNA_F
ClientSampleId :
TEC-B3COMP

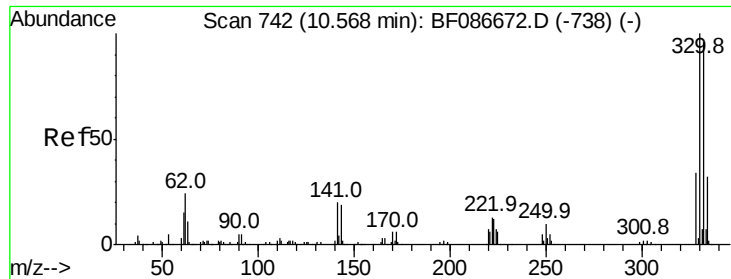
Tot Ion:142 Resp: 446991
Ion Ratio Lower Upper
142 100
141 89.3 71.0 106.6
115 33.0 26.6 39.8



#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.02 min
Lab File: BF086711.D
Acq: 5 May 2016 15:55

Tgt Ion:164 Resp: 154020
Ion Ratio Lower Upper
164 100
162 111.6 82.8 124.2
160 52.7 36.9 55.3

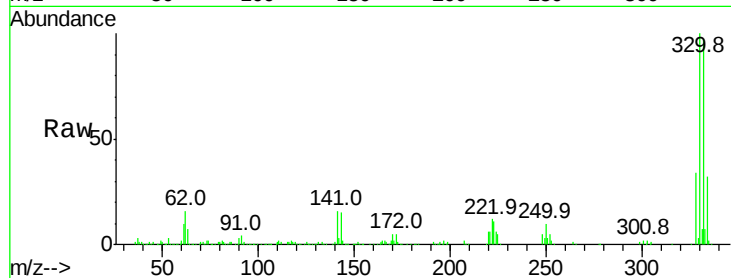




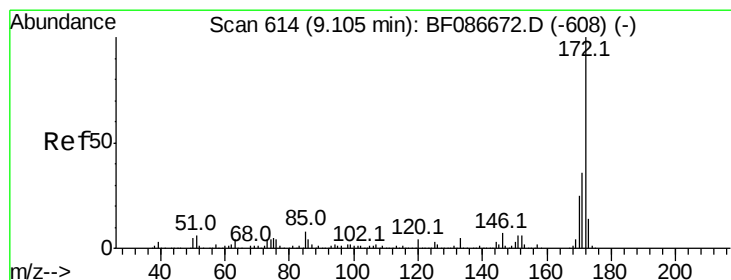
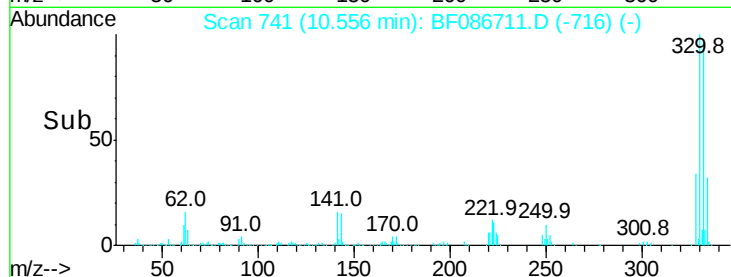
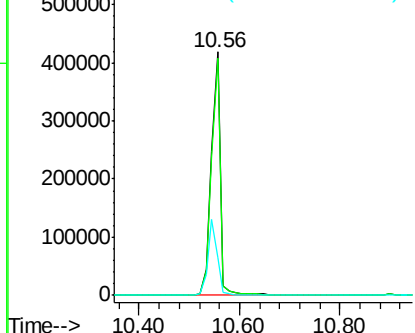
#41
 2,4,6-Tribromophenol
 Concen: 349.05 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF086711.D
 Acq: 5 May 2016 15:55

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.0	118.4
141	32.4	31.2	46.8

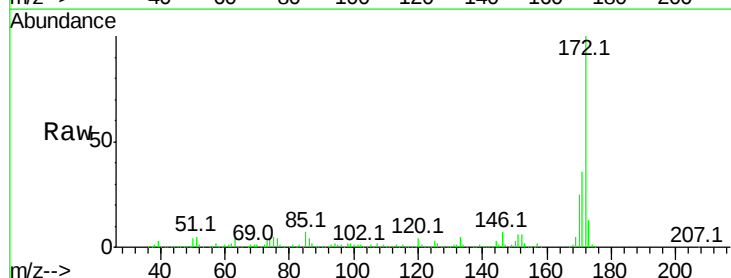


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

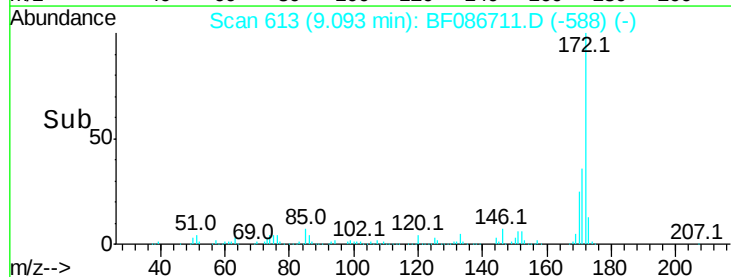
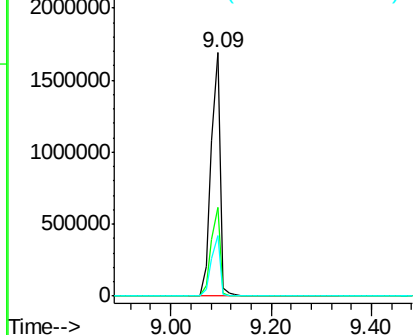


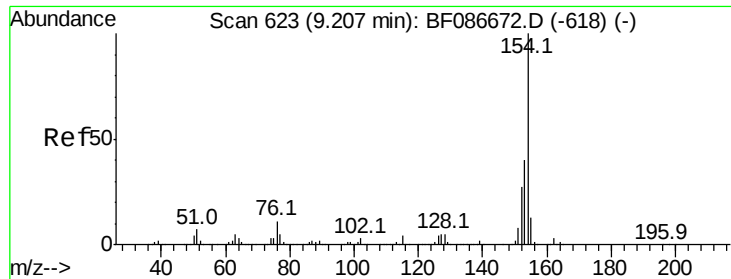
#44
 2-Fluorobiphenyl
 Concen: 226.86 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF086711.D
 Acq: 5 May 2016 15:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.0	43.6
170	24.8	19.8	29.8



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





#45

1,1'-Biphenyl

Concen: 5.42 ng

RT: 9.18 min Scan# 621

Delta R.T. -0.02 min

Lab File: BF086711.D

Acq: 5 May 2016 15:55

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

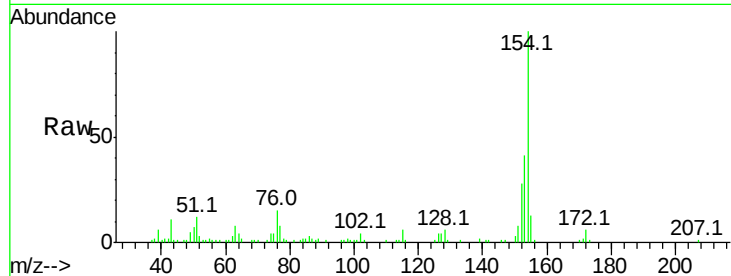
Tot Ion:154 Resp: 68309

Ion Ratio Lower Upper

154 100

153 40.7 20.3 60.3

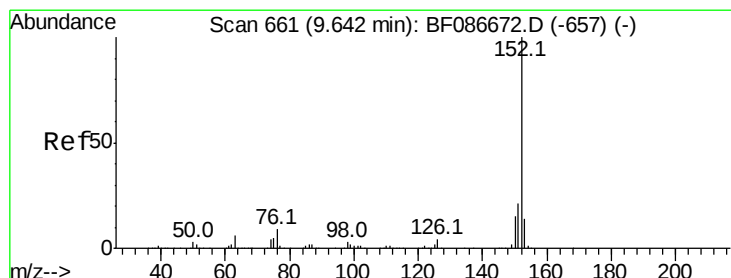
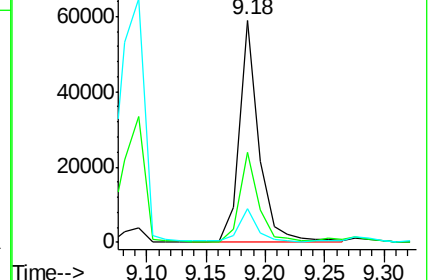
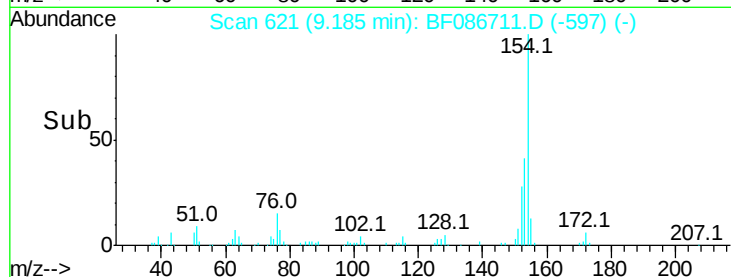
76 15.4 0.0 30.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 4.88 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.02 min

Lab File: BF086711.D

Acq: 5 May 2016 15:55

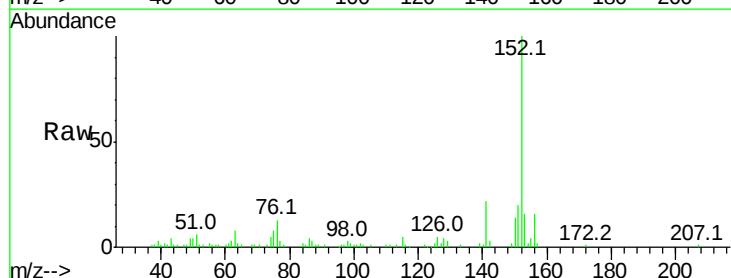
Tgt Ion:152 Resp: 70341

Ion Ratio Lower Upper

152 100

151 20.2 16.8 25.2

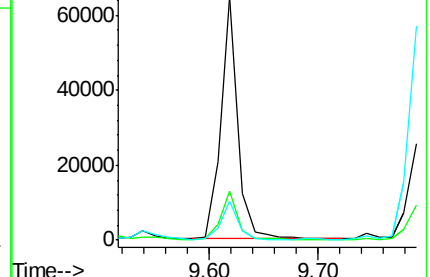
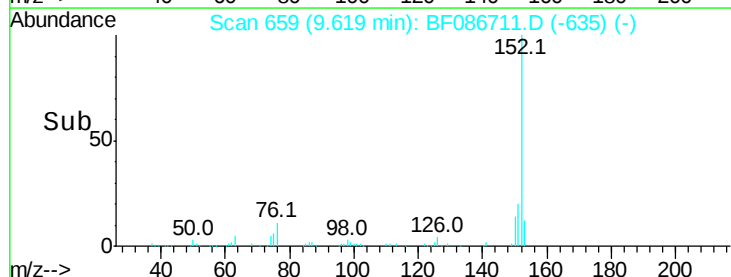
153 15.8 10.9 16.3

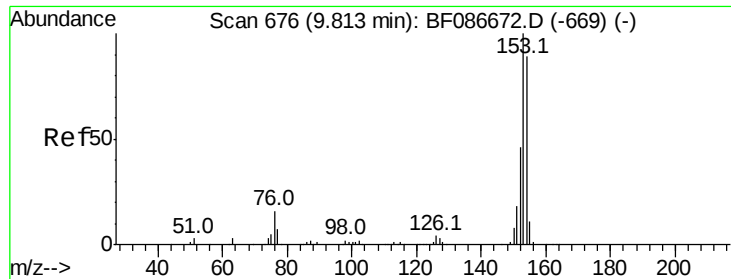


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 5.64 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.02 min

Lab File: BF086711.D

Acq: 5 May 2016 15:55

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

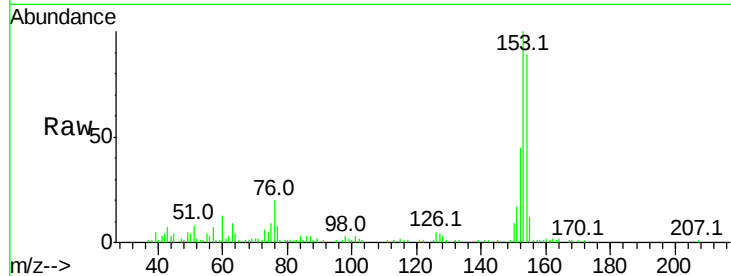
Tot Ion:154 Resp: 53647

Ion Ratio Lower Upper

154 100

153 112.1 89.8 134.6

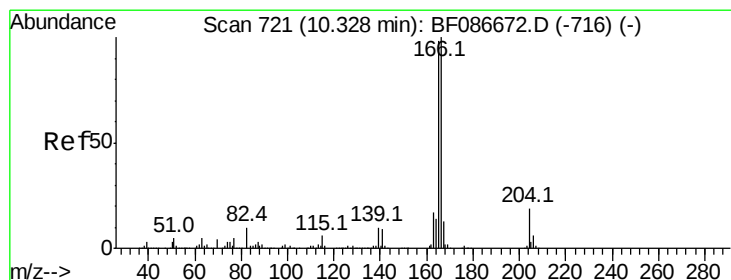
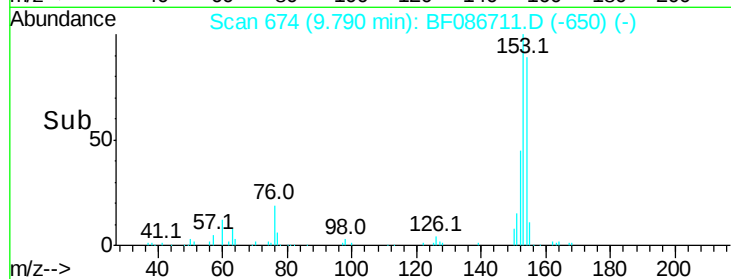
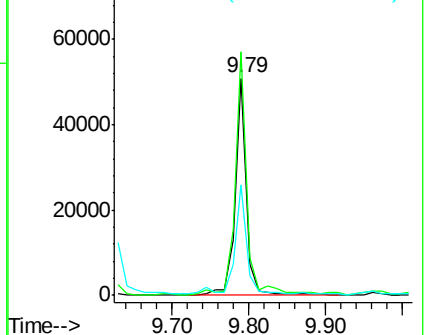
152 50.7 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 6.02 ng

RT: 10.30 min Scan# 719

Delta R.T. -0.02 min

Lab File: BF086711.D

Acq: 5 May 2016 15:55

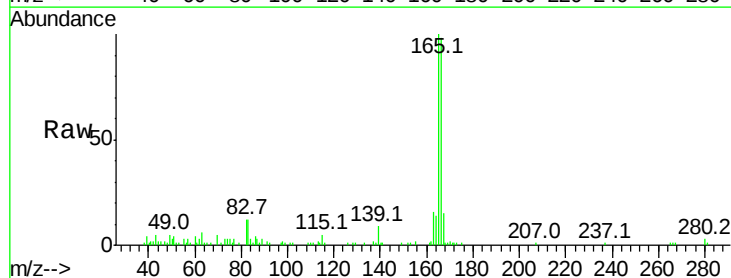
Tgt Ion:166 Resp: 57537

Ion Ratio Lower Upper

166 100

165 101.8 79.0 118.6

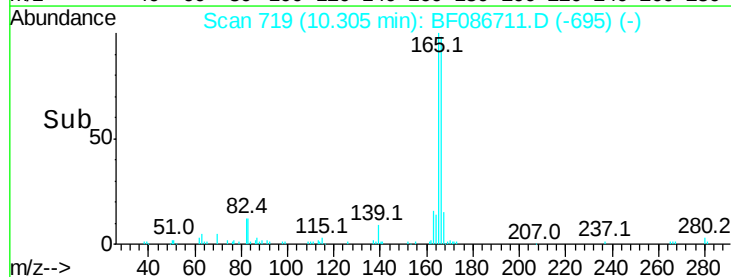
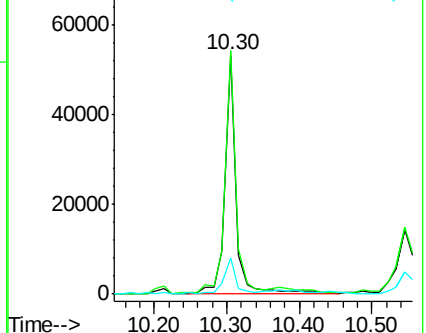
167 15.2 10.6 15.8

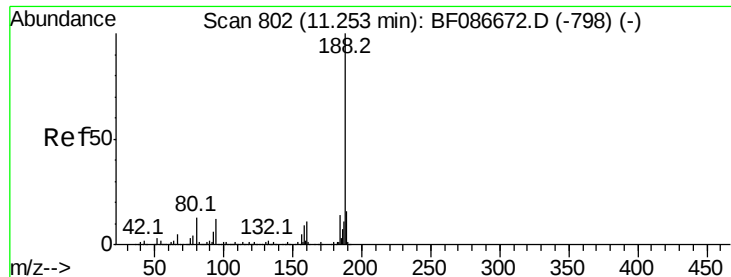


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 40.00 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF086711.D

Acq: 5 May 2016 15:55

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

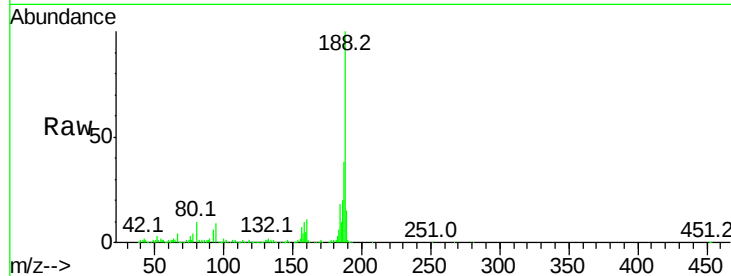
Tot Ion:188 Resp: 424667

Ion Ratio Lower Upper

188 100

94 9.3 6.8 10.2

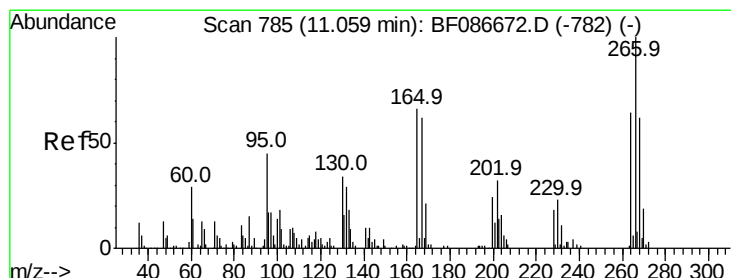
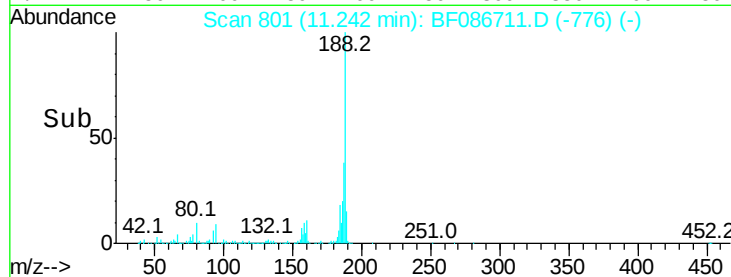
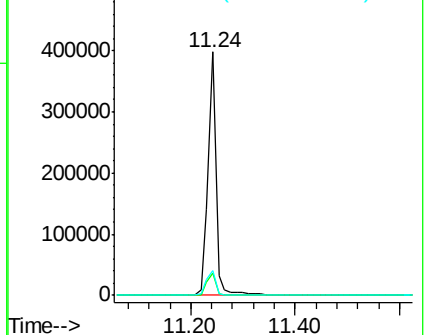
80 10.2 7.1 10.7



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



#69

Pentachlorophenol

Concen: 6.45 ng

RT: 11.05 min Scan# 784

Delta R.T. -0.01 min

Lab File: BF086711.D

Acq: 5 May 2016 15:55

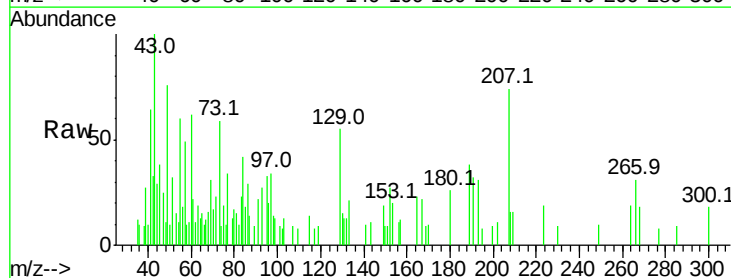
Tgt Ion:266 Resp: 1705

Ion Ratio Lower Upper

266 100

268 56.9 51.5 77.3

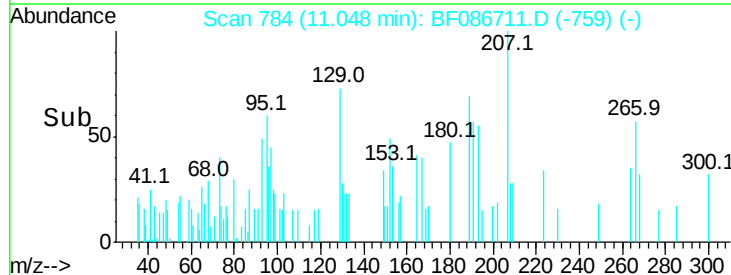
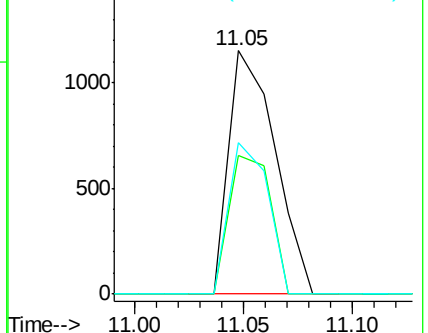
264 62.2 52.9 79.3

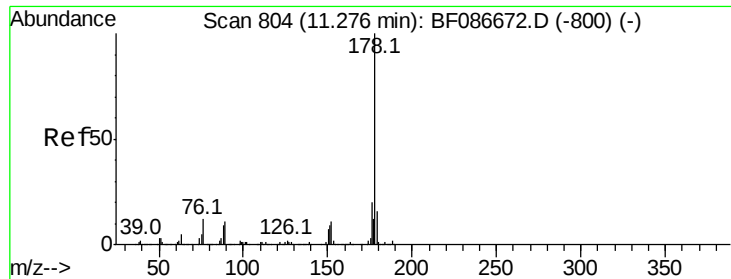


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 4.51 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF086711.D

Acq: 5 May 2016 15:55

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

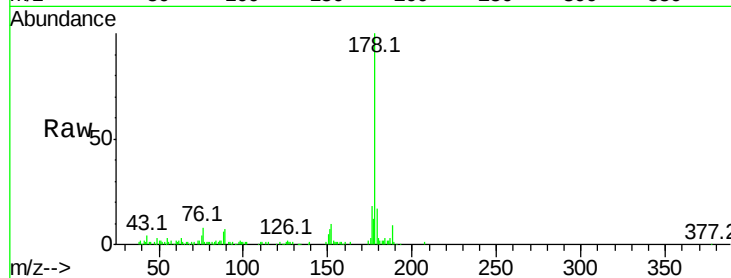
Tot Ion:178 Resp: 102768

Ion Ratio Lower Upper

178 100

176 18.3 16.0 24.0

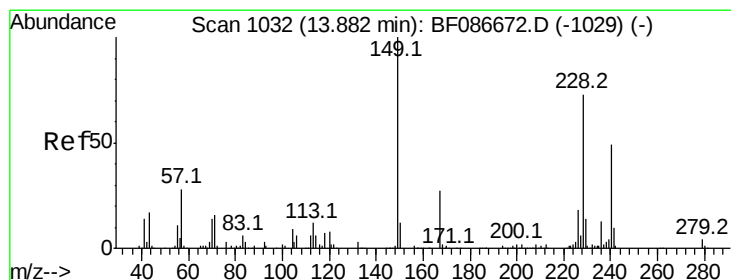
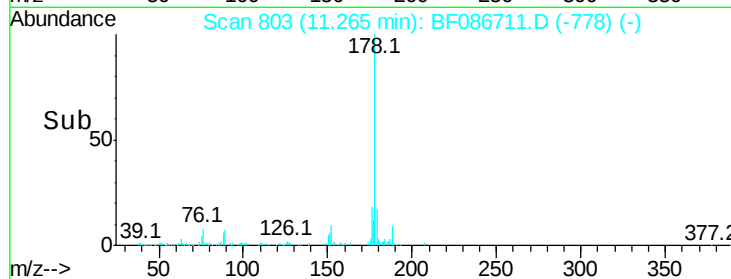
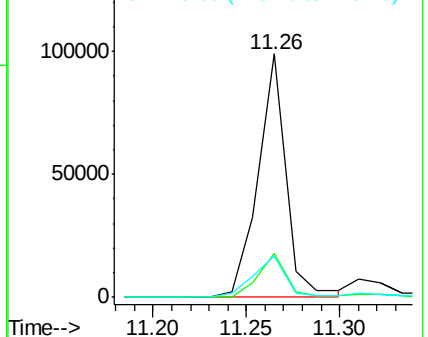
179 17.1 12.6 18.8



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



#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF086711.D

Acq: 5 May 2016 15:55

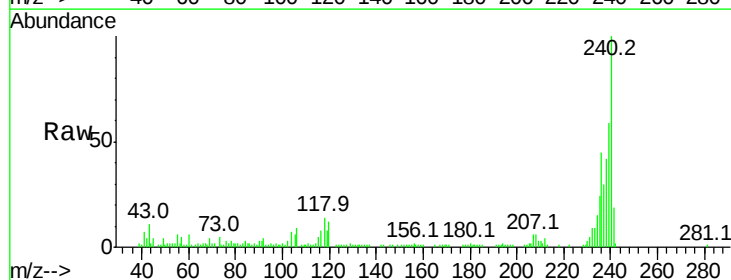
Tgt Ion:240 Resp: 64041

Ion Ratio Lower Upper

240 100

120 12.3 11.2 16.8

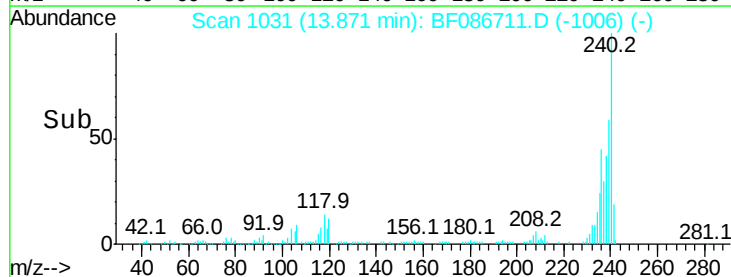
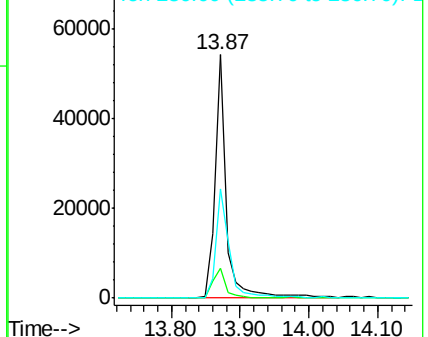
236 44.7 21.2 31.8#

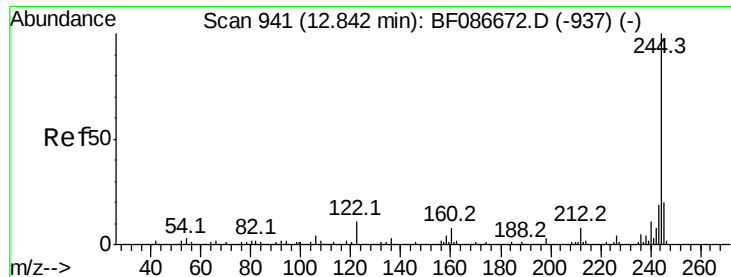


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 304.59 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF086711.D

Acq: 5 May 2016 15:55

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

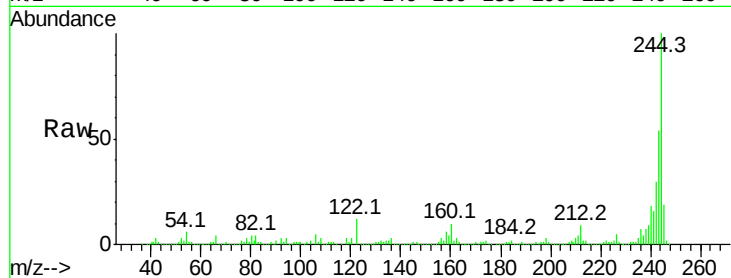
Tot Ion:244 Resp: 965184

Ion Ratio Lower Upper

244 100

212 8.7 6.2 9.2

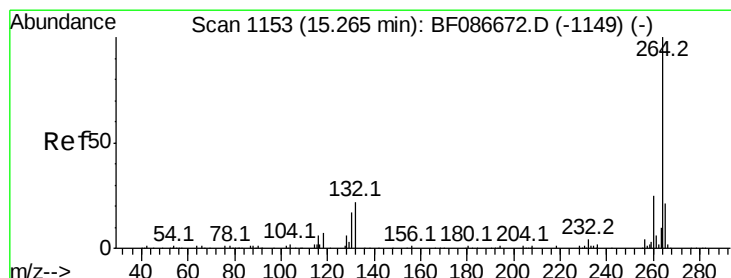
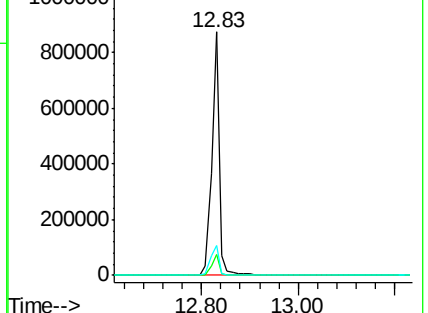
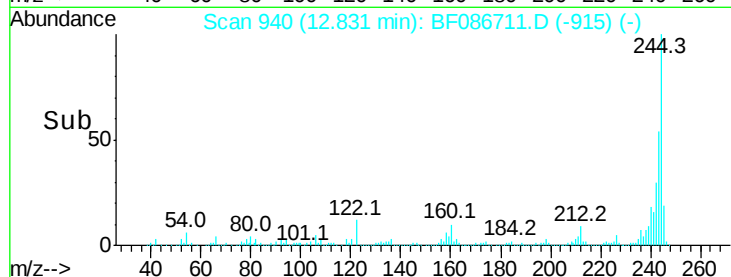
122 12.2 12.0 18.0



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: 40.00 ng

RT: 15.25 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF086711.D

Acq: 5 May 2016 15:55

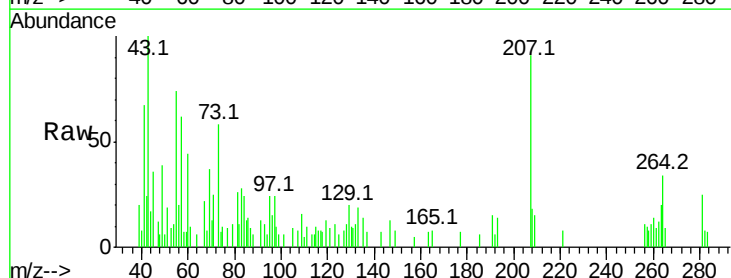
Tgt Ion:264 Resp: 2319

Ion Ratio Lower Upper

264 100

260 40.2 19.5 29.3#

265 27.6 17.3 25.9#



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

