

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF043016\
 Data File : BF086560.D
 Acq On : 1 May 2016 9:29
 Operator : UM/SJ
 Sample : H2762-11
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMP

Quant Time: May 02 00:49:38 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	133649	20.00	ng	-0.05
21) Naphthalene-d8	8.05	136	524866	20.00	ng	-0.05
38) Acenaphthene-d10	9.80	164	135850	20.00	ng	-0.05
63) Phenanthrene-d10	11.28	188	451373	20.00	ng	-0.05
75) Chrysene-d12	13.91	240	214286	20.00	ng	-0.06
86) Perylene-d12	15.30	264	13759	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	1048842	135.36	ng	-0.01
7) Phenol-d6	6.41	99	448961	41.52	ng	-0.03
23) Nitrobenzene-d5	7.33	82	924589	94.95	ng	-0.05
41) 2,4,6-Tribromophenol	10.59	330	350774	244.85	ng	-0.05
44) 2-Fluorobiphenyl	9.13	172	1431728	-20.00	ng	-0.05
78) Terphenyl-d14	12.87	244	1234153	126.89	ng	-0.05

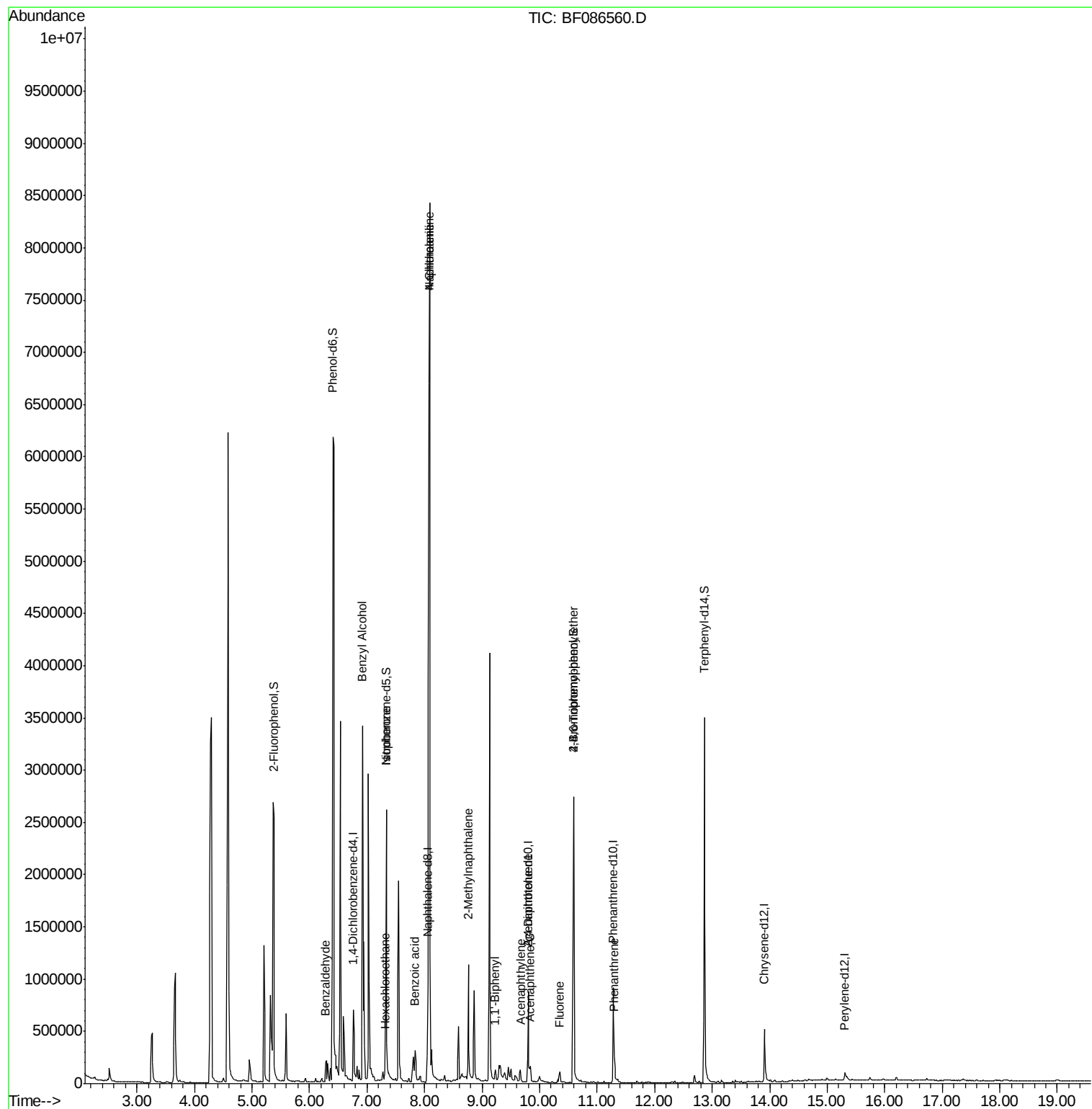
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.28	77	14316	2.28	ng	# 1
15) Benzyl Alcohol	6.92	79	18004	2.63	ng	# 42
18) Hexachloroethane	7.31	117	8152	2.04	ng	# 1
25) Isophorone	7.33	82	706984	37.72	ng	# 68
31) Naphthalene	8.09	128	6038975	226.12	ng	# 94
32) Benzoic acid	7.84	122	1453	9.02	ng	# 1
33) 4-Chloroaniline	8.09	127	905618	90.55	ng	# 36
37) 2-Methylnaphthalene	8.76	142	318773	20.23	ng	98
45) 1,1'-Biphenyl	9.23	154	47455	4.18	ng	98
48) Acenaphthylene	9.66	152	52526	3.89	ng	97
51) Acenaphthene	9.84	154	45149	5.21	ng	97
56) 2,4-Dinitrotoluene	9.80	165	18331	6.81	ng	# 21
57) Fluorene	10.35	166	48137	5.12	ng	99
66) 4-Bromophenyl-phenylether	10.59	248	21968	4.72	ng	# 1
70) Phenanthrene	11.30	178	86583	3.66	ng	99

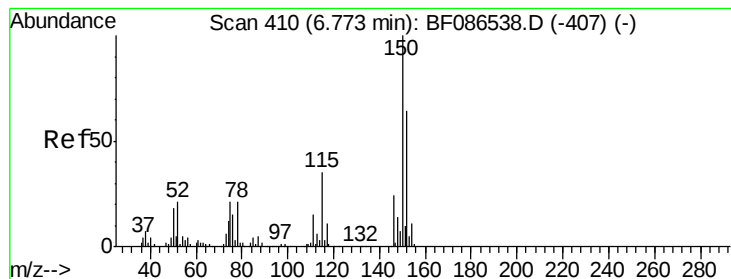
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.05 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

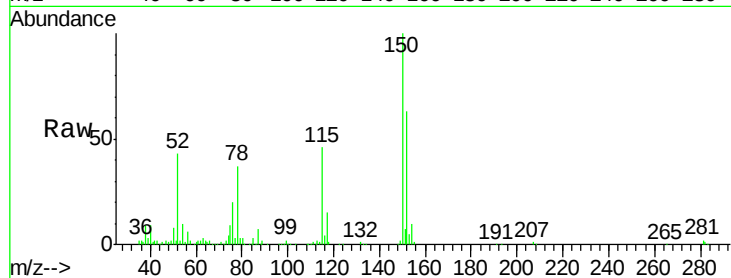
Tgt Ion:152 Resp: 133649

Ion Ratio Lower Upper

152 100

150 160.0 125.8 188.6

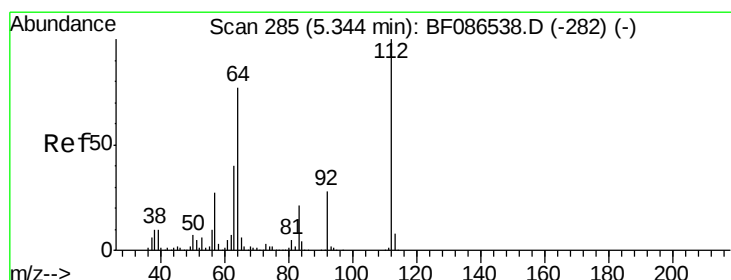
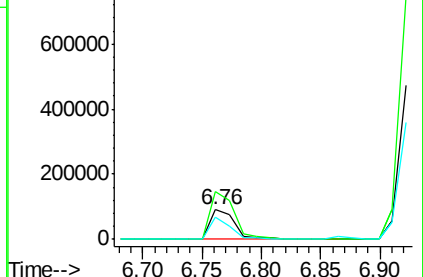
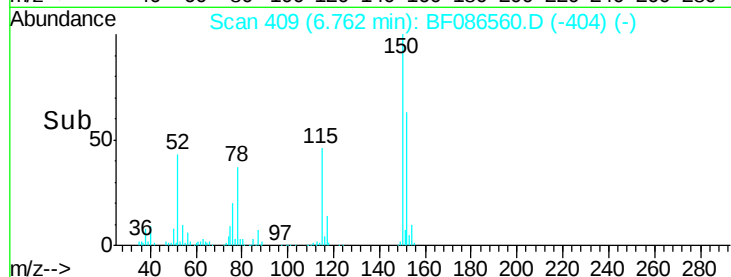
115 73.2 51.5 77.3



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: 135.36 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.01 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

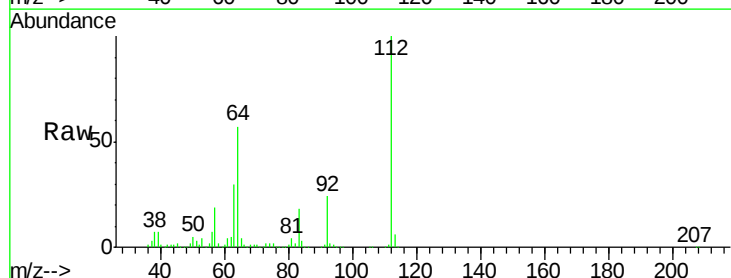
Tgt Ion:112 Resp: 1048842

Ion Ratio Lower Upper

112 100

64 56.5 52.1 78.1

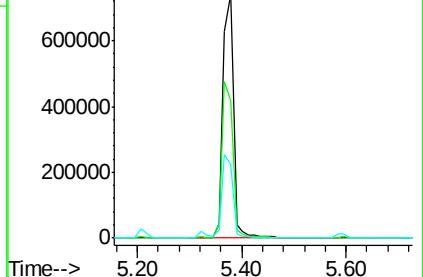
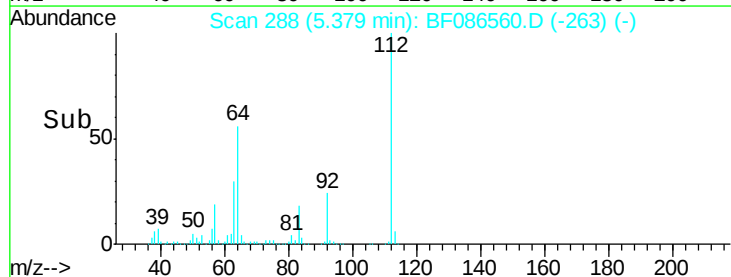
63 29.9 25.7 38.5

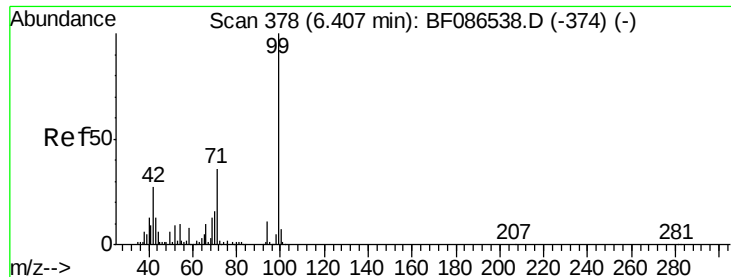


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.52 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

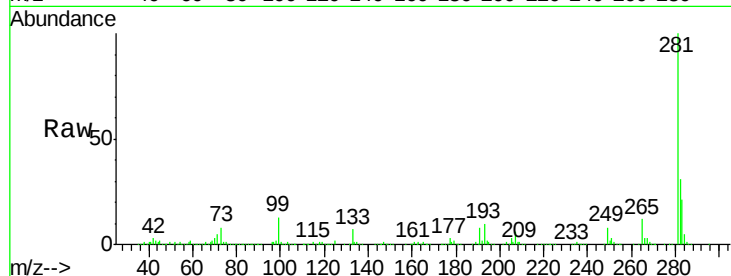
Tgt Ion: 99 Resp: 448961

Ion Ratio Lower Upper

99 100

42 24.7 13.6 20.4#

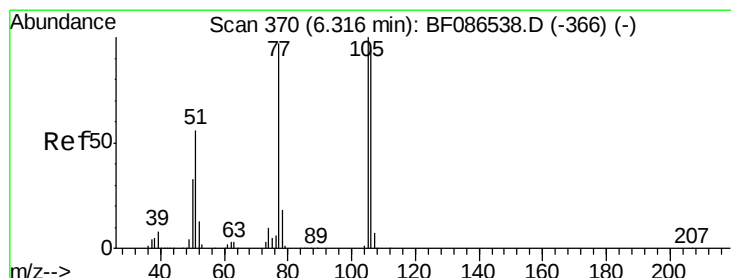
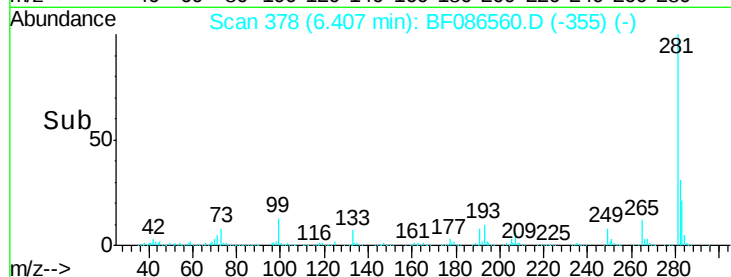
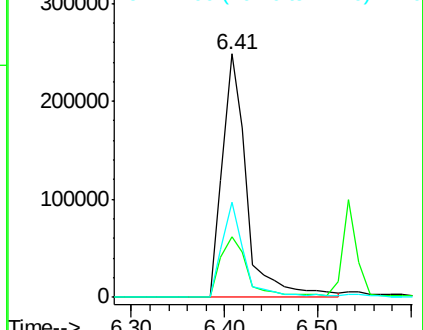
71 38.9 24.6 36.8#



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



#9

Benzaldehyde

Concen: 2.28 ng

RT: 6.28 min Scan# 367

Delta R.T. -0.07 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

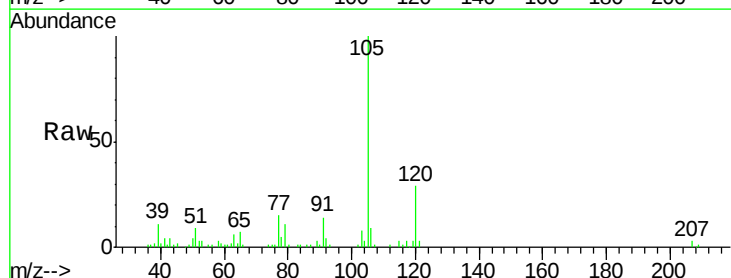
Tgt Ion: 77 Resp: 14316

Ion Ratio Lower Upper

77 100

105 684.8 72.7 112.7#

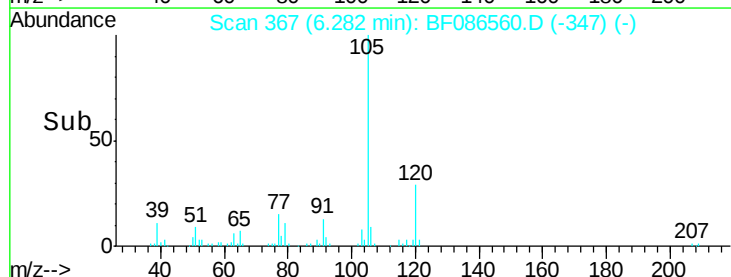
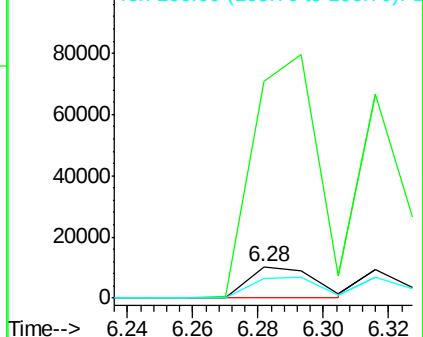
106 60.8 70.8 110.8#

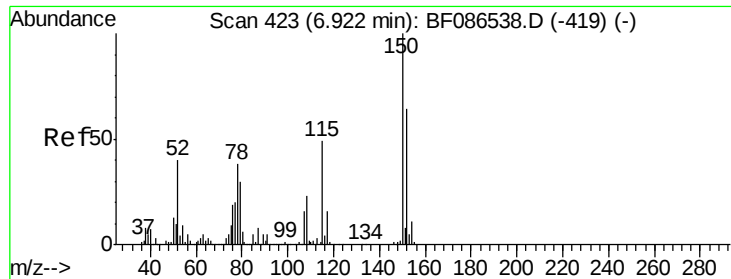


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.63 ng

RT: 6.92 min Scan# 423

Delta R.T. -0.03 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

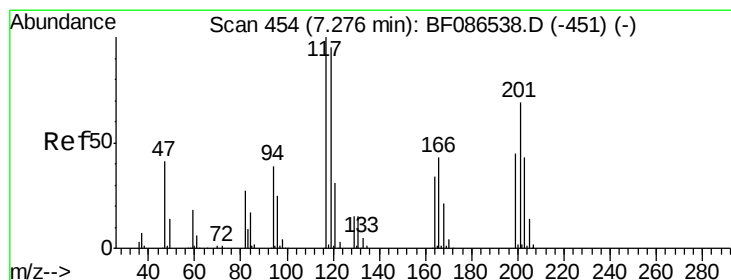
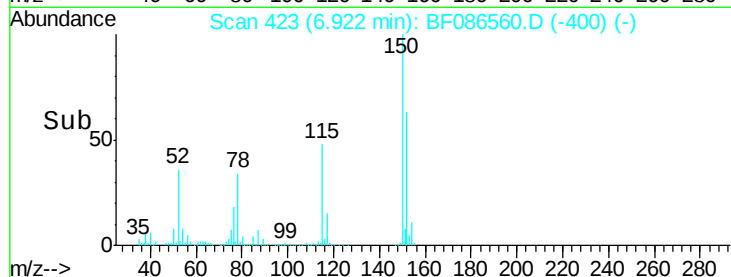
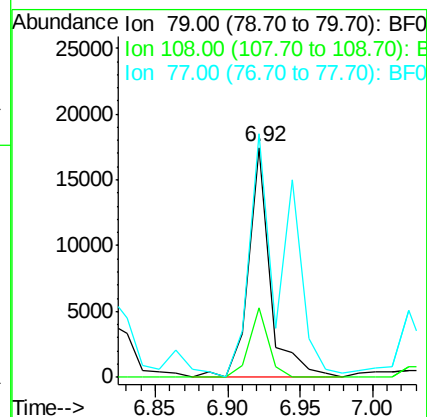
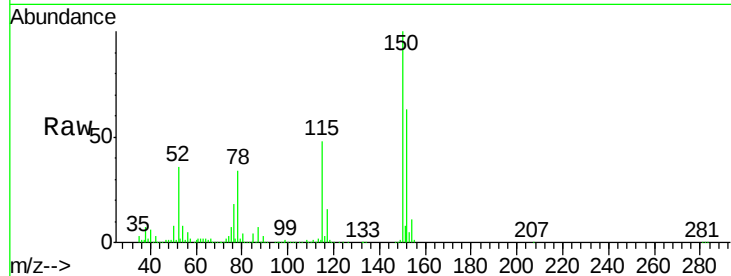
Tgt Ion: 79 Resp: 18004

Ion Ratio Lower Upper

79 100

108 30.3 68.4 102.6#

77 106.0 50.6 76.0#



#18

Hexachloroethane

Concen: 2.04 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

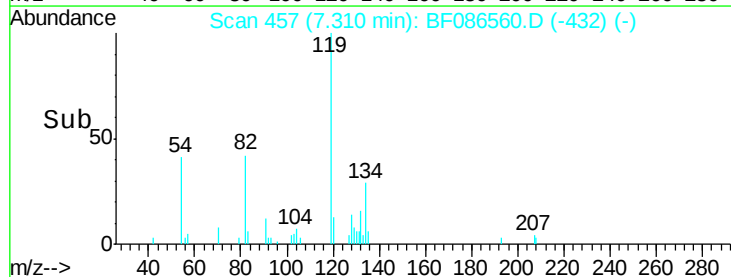
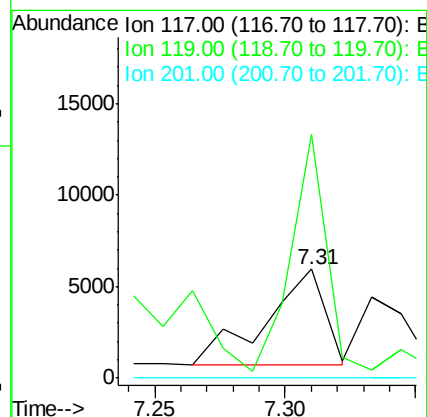
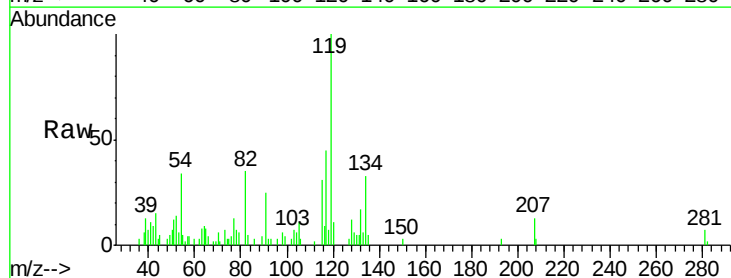
Tgt Ion: 117 Resp: 8152

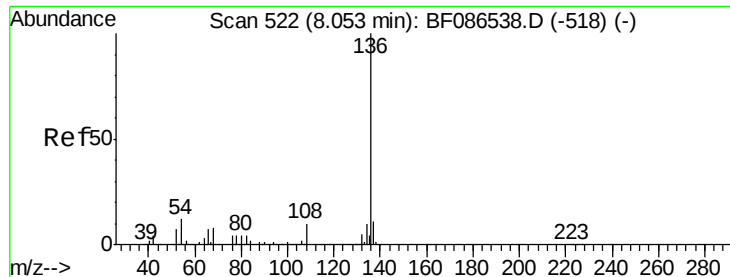
Ion Ratio Lower Upper

117 100

119 223.7 76.5 114.7#

201 0.0 63.0 94.6#

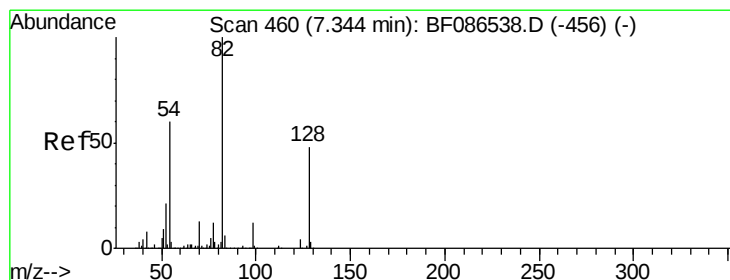
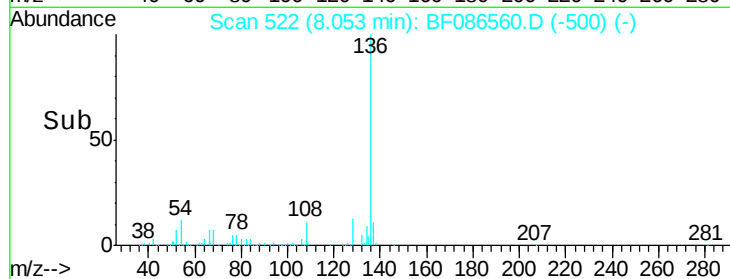
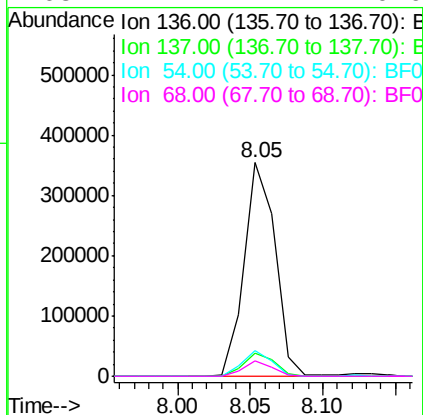
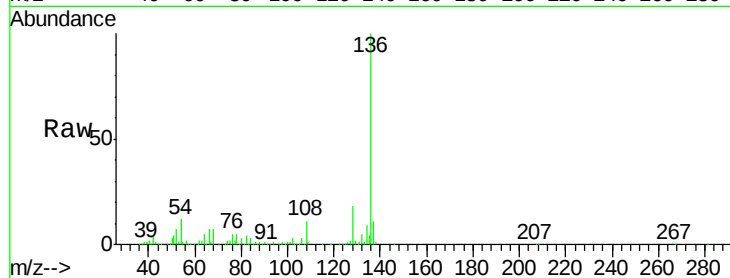




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.05 min
Lab File: BF086560.D
Acq: 1 May 2016 9:29

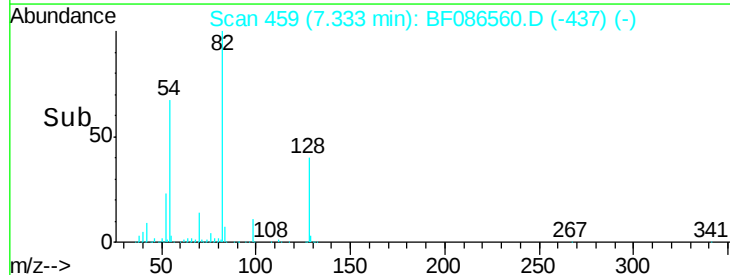
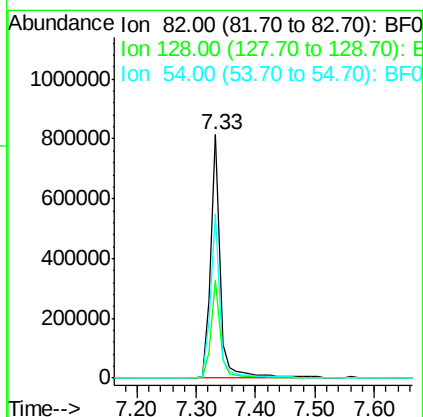
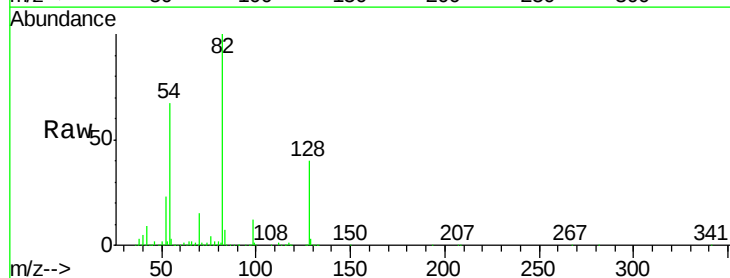
Instrument :
BNA_F
ClientSampleId :
TEC-B3COMP

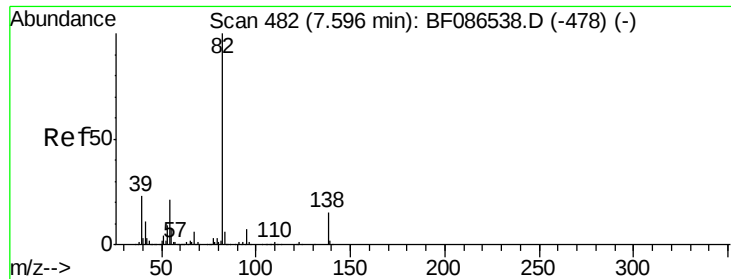
Tgt Ion:	136	Resp:	524866
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	12.1	5.0	7.4#
68	7.2	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 94.95 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.05 min
Lab File: BF086560.D
Acq: 1 May 2016 9:29

Tgt Ion:	82	Resp:	924589
Ion	Ratio	Lower	Upper
82	100		
128	40.3	40.6	61.0#
54	67.3	38.1	57.1#





#25

Isophorone

Concen: 37.72 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.31 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

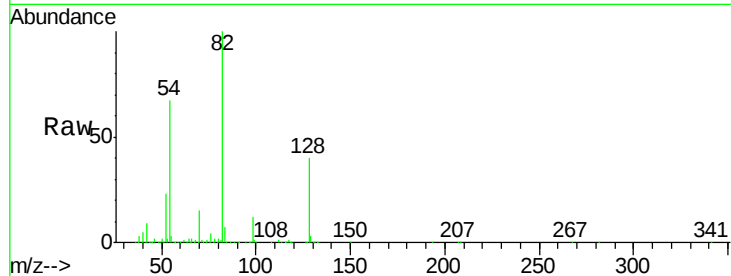
Tgt Ion: 82 Resp: 706984

Ion Ratio Lower Upper

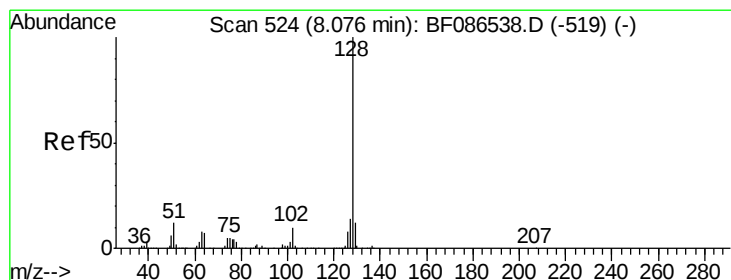
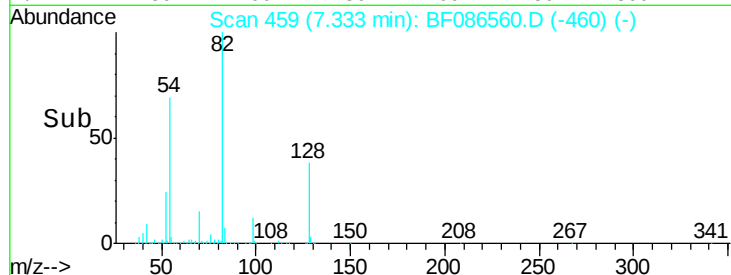
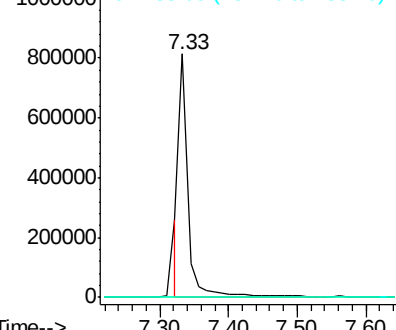
82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



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): E



#31

Naphthalene

Concen: 226.12 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.02 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

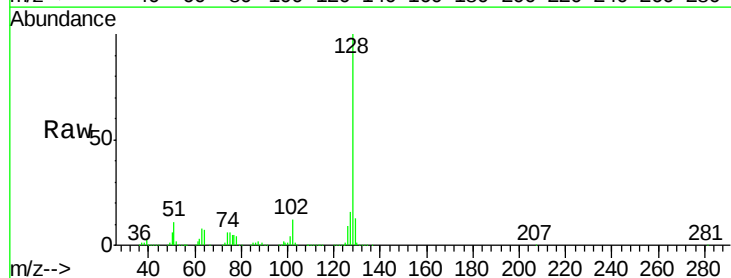
Tgt Ion: 128 Resp: 6038975

Ion Ratio Lower Upper

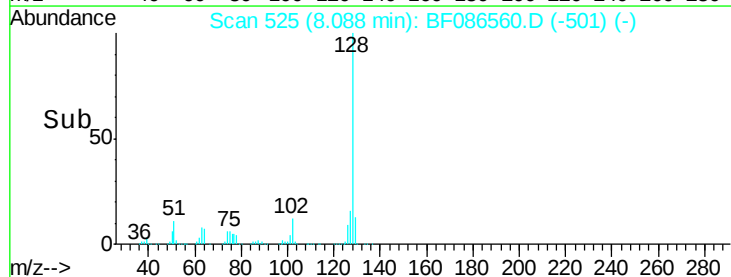
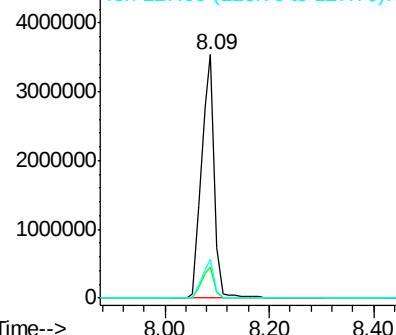
128 100

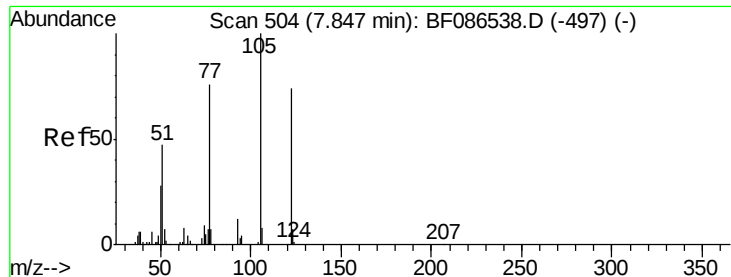
129 13.0 8.6 13.0#

127 16.0 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 9.02 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.06 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

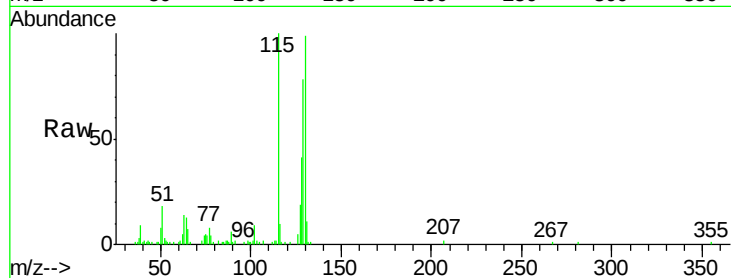
Tgt Ion:122 Resp: 1453

Ion Ratio Lower Upper

122 100

105 81.2 92.6 132.6#

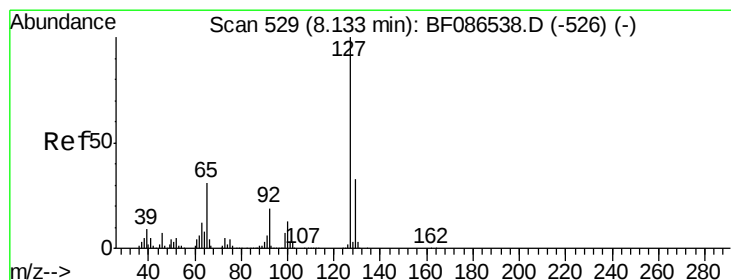
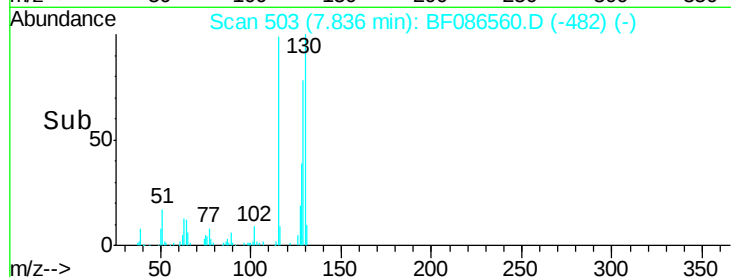
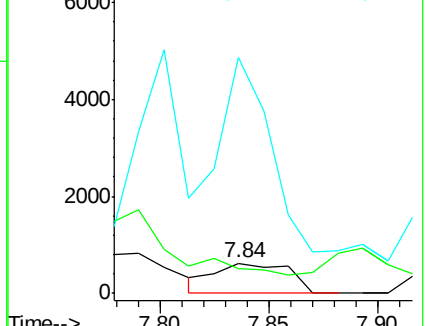
77 786.7 60.0 100.0#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 90.55 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.08 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

Tgt Ion:127 Resp: 905618

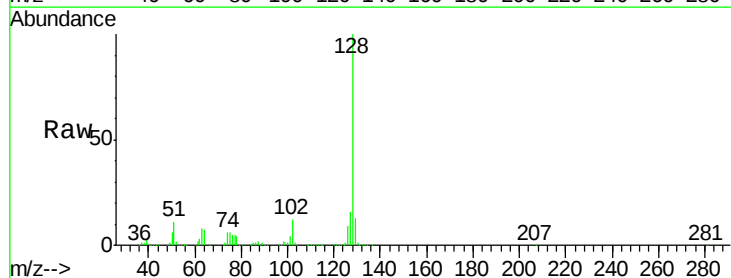
Ion Ratio Lower Upper

127 100

129 81.2 26.2 39.4#

65 0.0 23.0 34.4#

92 0.0 15.1 22.7#

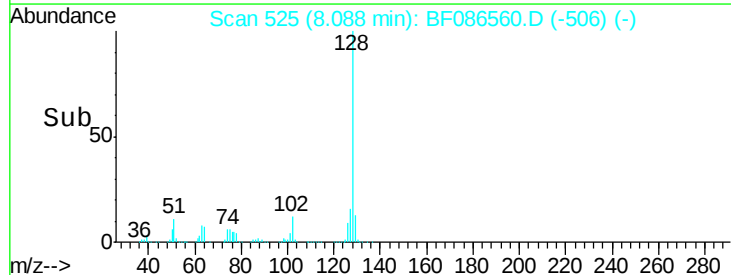
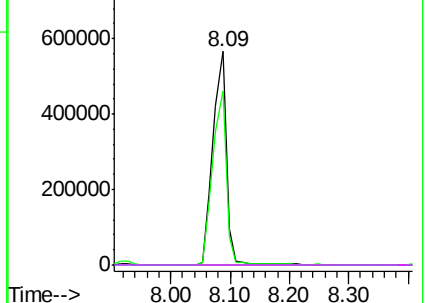


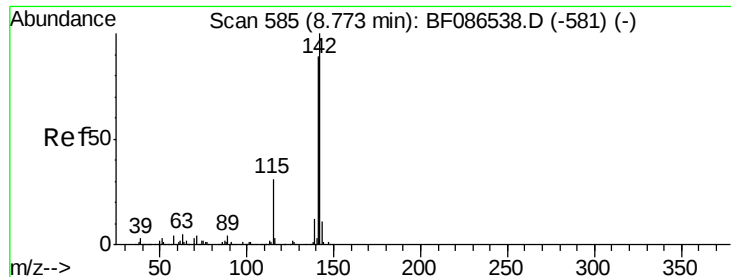
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

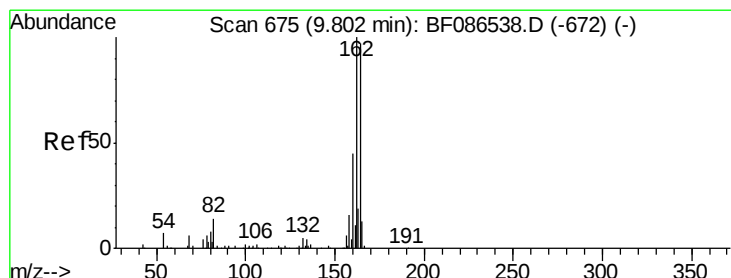
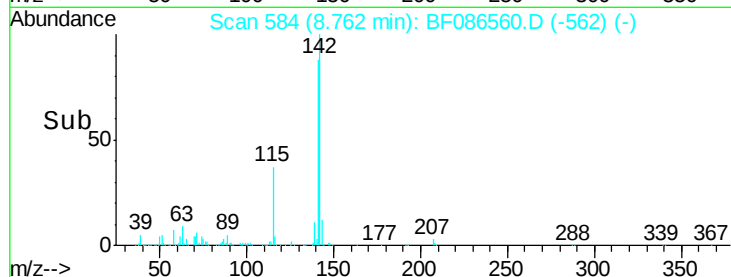
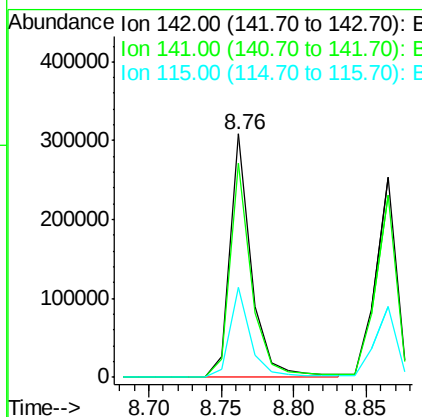
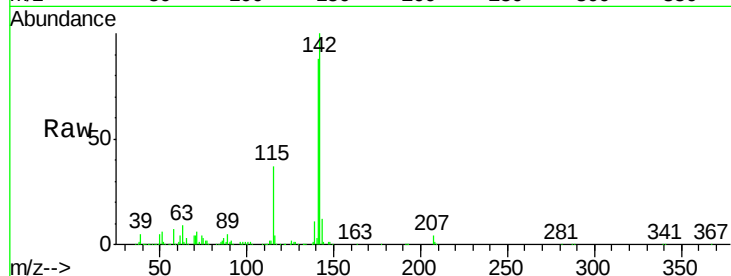




#37
 2-Methylnaphthalene
 Concen: 20.23 ng
 RT: 8.76 min Scan# 584
 Delta R.T. -0.05 min
 Lab File: BF086560.D
 Acq: 1 May 2016 9:29

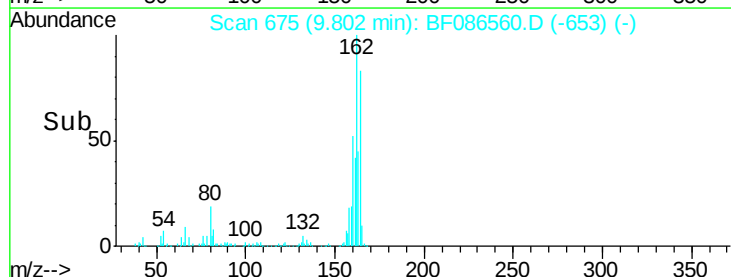
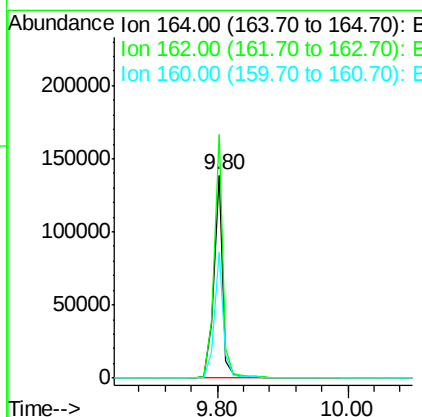
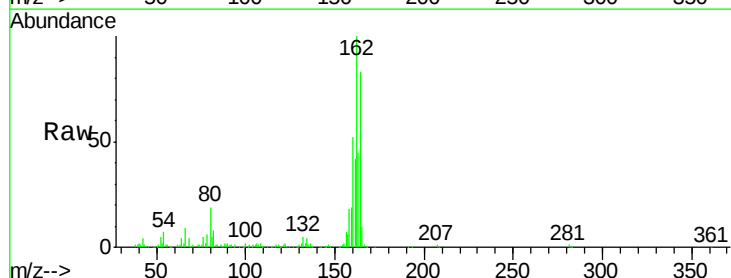
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMP

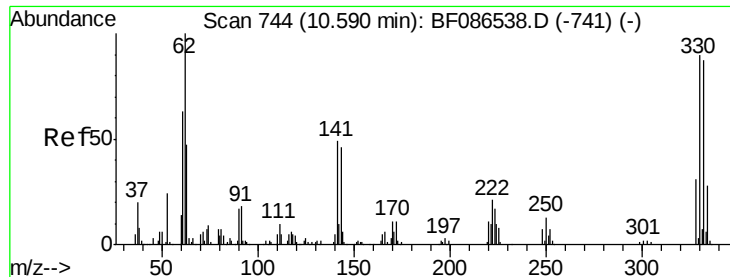
Tgt Ion:142 Resp: 318773
 Ion Ratio Lower Upper
 142 100
 141 88.0 71.0 106.6
 115 36.8 26.6 39.8



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.05 min
 Lab File: BF086560.D
 Acq: 1 May 2016 9:29

Tgt Ion:164 Resp: 135850
 Ion Ratio Lower Upper
 164 100
 162 120.1 82.8 124.2
 160 62.2 36.9 55.3#

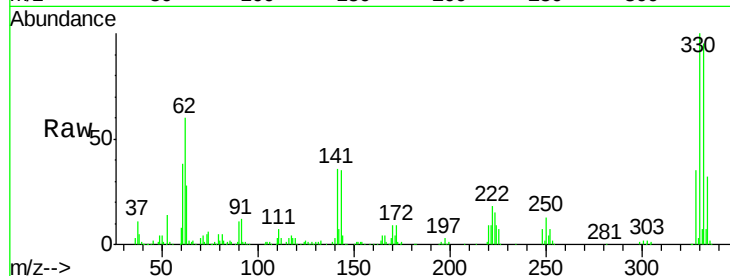




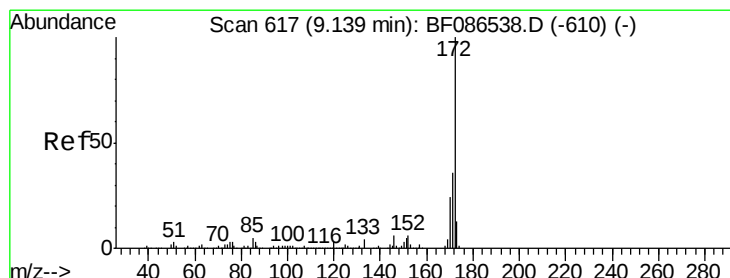
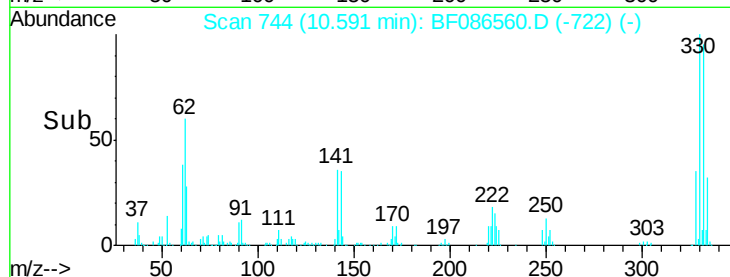
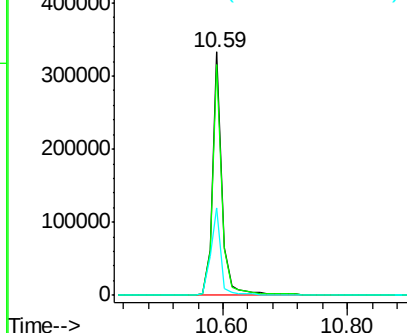
#41
 2,4,6-Tribromophenol
 Concen: 244.85 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.05 min
 Lab File: BF086560.D
 Acq: 1 May 2016 9:29

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMP

Tgt Ion:330 Resp: 350774
 Ion Ratio Lower Upper
 330 100
 332 95.7 79.0 118.4
 141 39.7 31.2 46.8

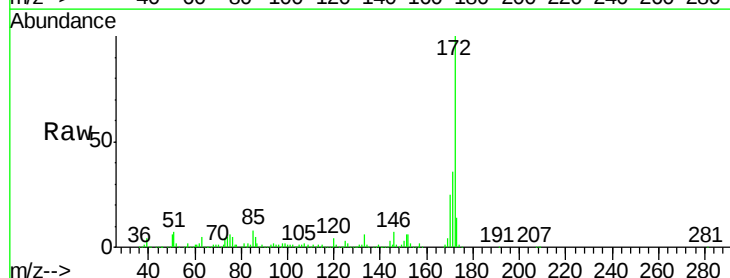


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

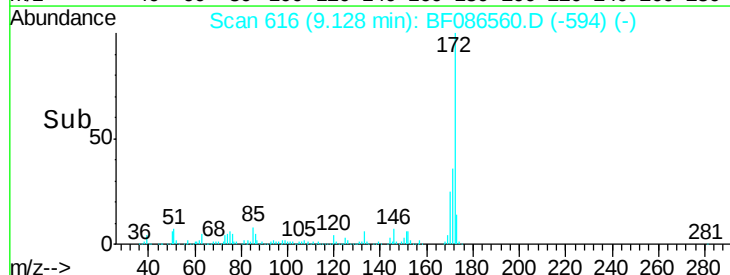
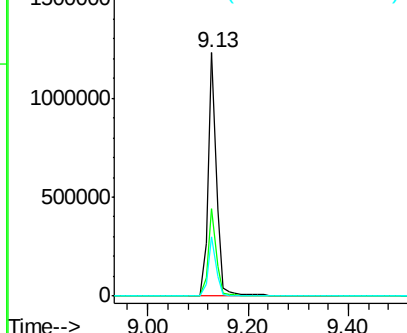


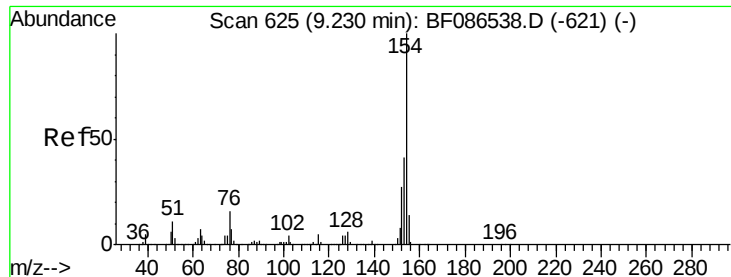
#44
 2-Fluorobiphenyl
 Concen: -20.00 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.05 min
 Lab File: BF086560.D
 Acq: 1 May 2016 9:29

Tgt Ion:172 Resp: 1431728
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.0 43.6
 170 24.5 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

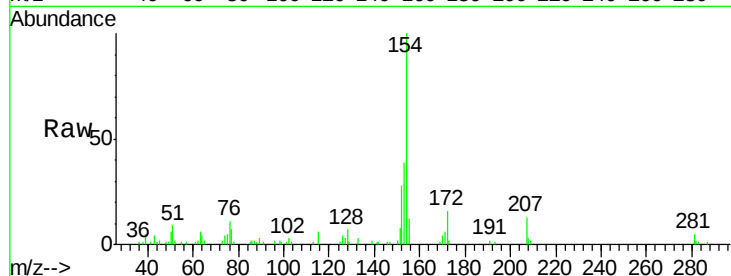




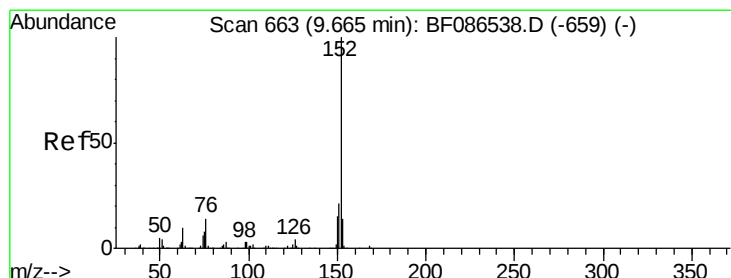
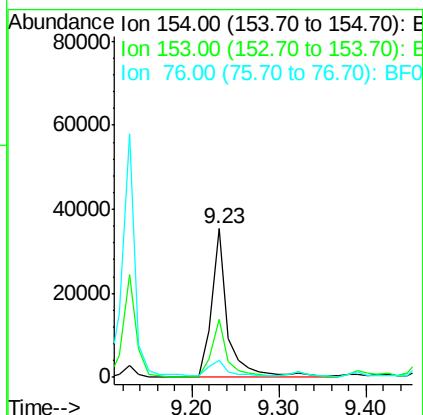
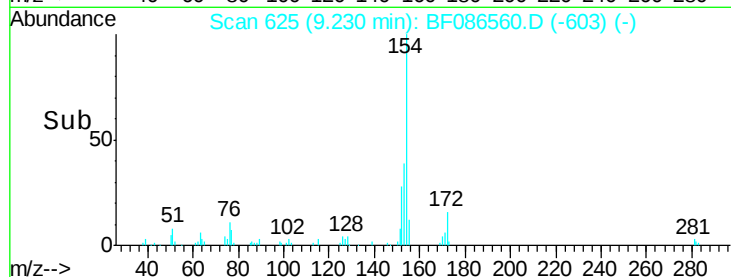
#45
 1,1'-Biphenyl
 Concen: 4.18 ng
 RT: 9.23 min Scan# 625
 Delta R.T. -0.05 min
 Lab File: BF086560.D
 Acq: 1 May 2016 9:29

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMP

Tgt Ion:	154	Resp:	47455
Ion	Ratio	Lower	Upper
154	100		
153	38.9	20.3	60.3
76	11.5	0.0	30.2

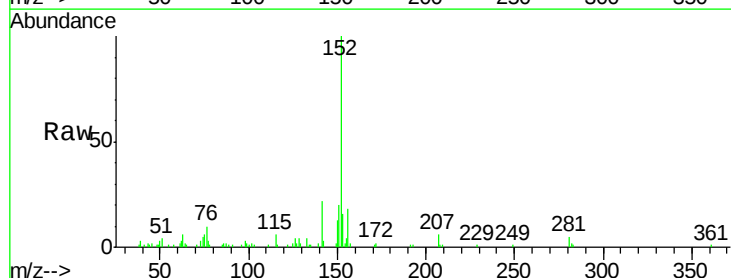


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

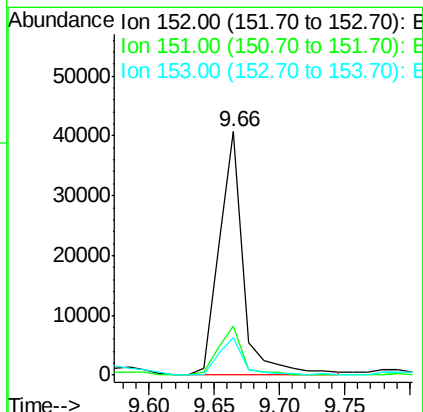
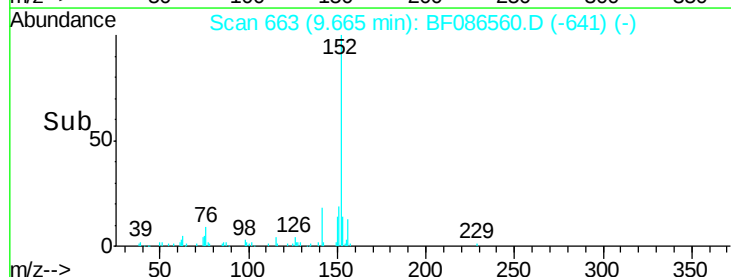


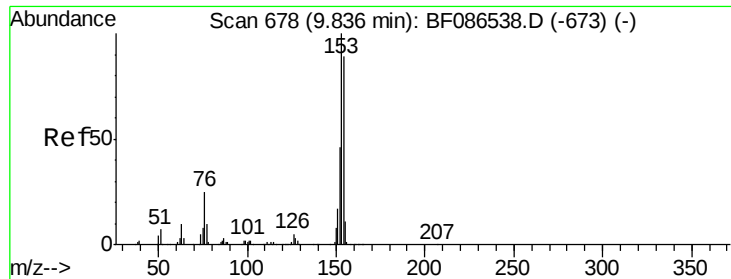
#48
 Acenaphthylene
 Concen: 3.89 ng
 RT: 9.66 min Scan# 663
 Delta R.T. -0.05 min
 Lab File: BF086560.D
 Acq: 1 May 2016 9:29

Tgt Ion:	152	Resp:	52526
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.8	25.2
153	15.6	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: 5.21 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.05 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

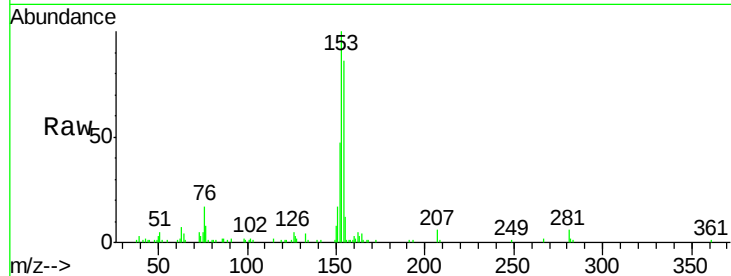
Tgt Ion:154 Resp: 45149

Ion Ratio Lower Upper

154 100

153 116.1 89.8 134.6

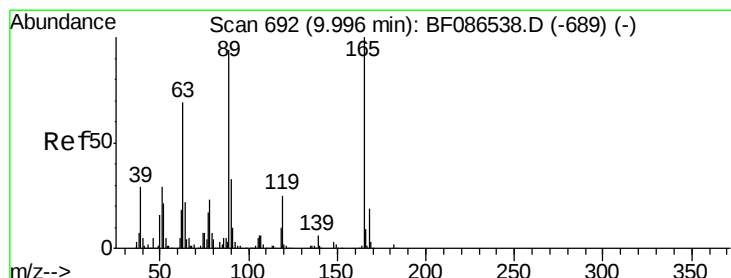
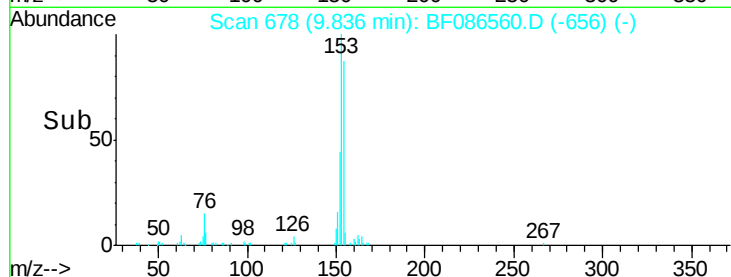
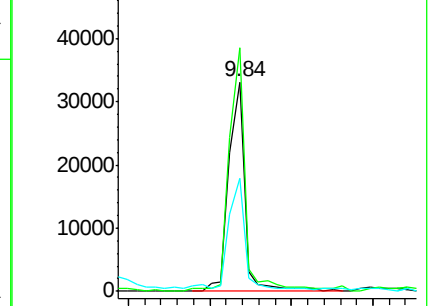
152 54.1 43.4 65.0



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



#56

2,4-Dinitrotoluene

Concen: 6.81 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.24 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

Tgt Ion:165 Resp: 18331

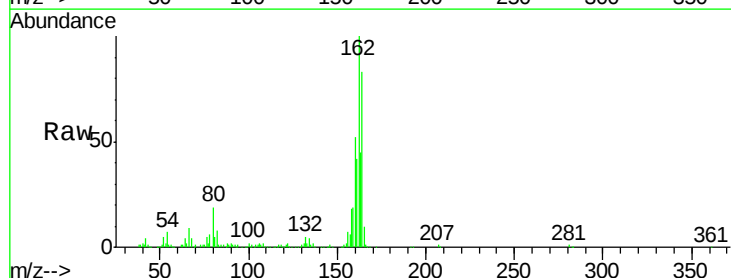
Ion Ratio Lower Upper

165 100

63 5.8 44.3 66.5#

89 6.8 70.0 105.0#

182 0.0 1.8 2.6#

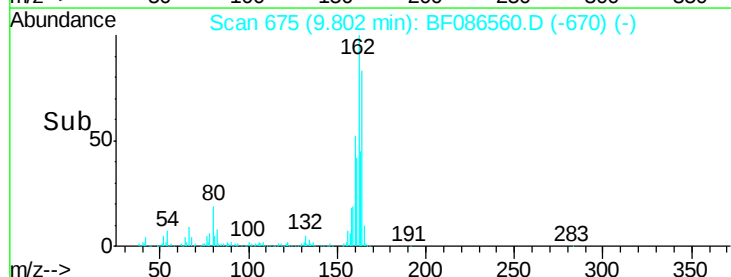
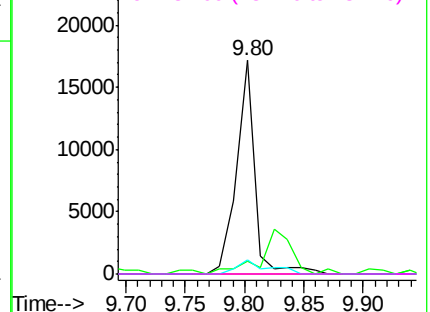


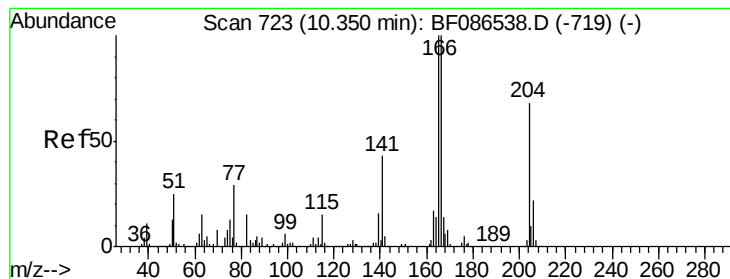
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: 5.12 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.05 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

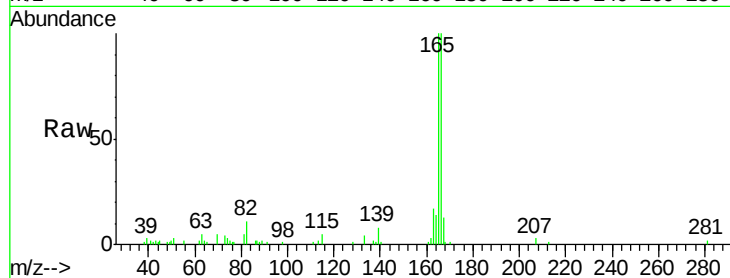
Tgt Ion:166 Resp: 48137

Ion Ratio Lower Upper

166 100

165 99.9 79.0 118.6

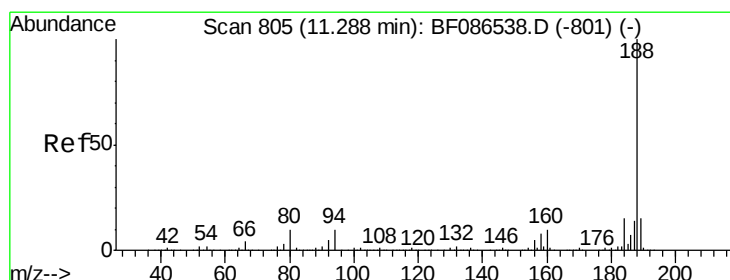
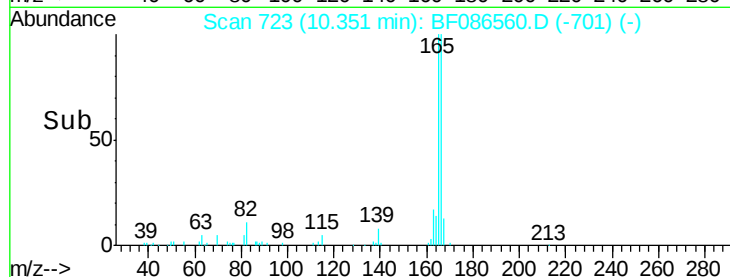
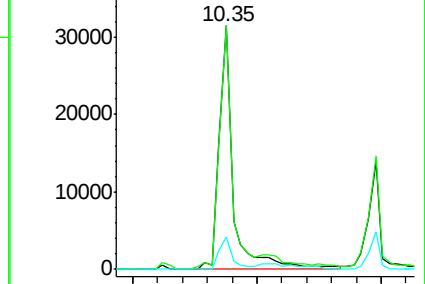
167 13.3 10.6 15.8



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: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.05 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

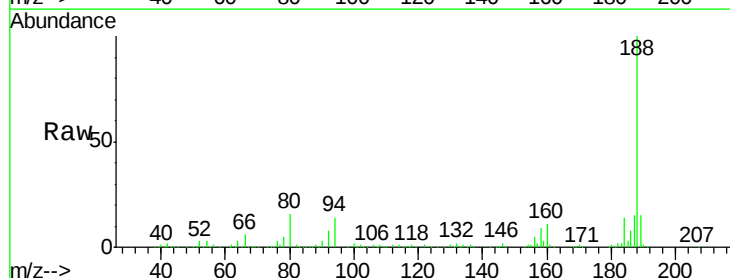
Tgt Ion:188 Resp: 451373

Ion Ratio Lower Upper

188 100

94 14.0 6.8 10.2#

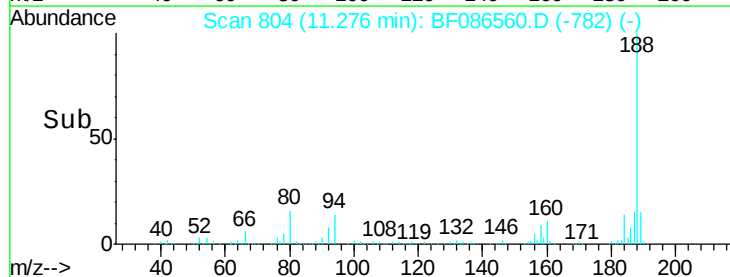
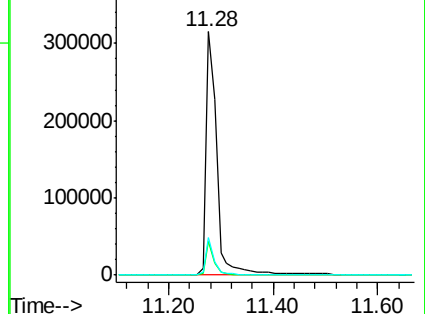
80 15.5 7.1 10.7#

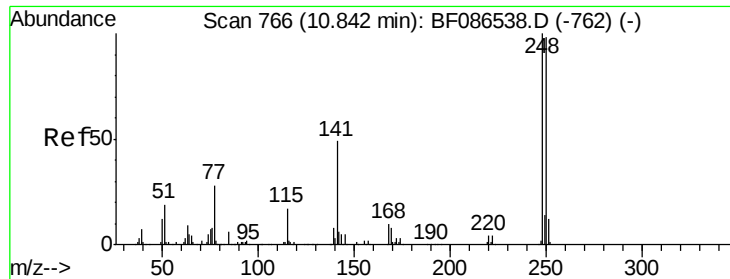


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

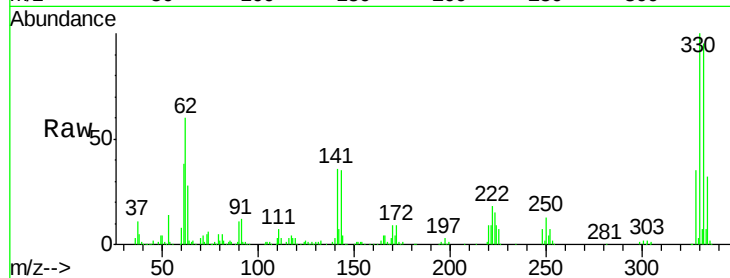




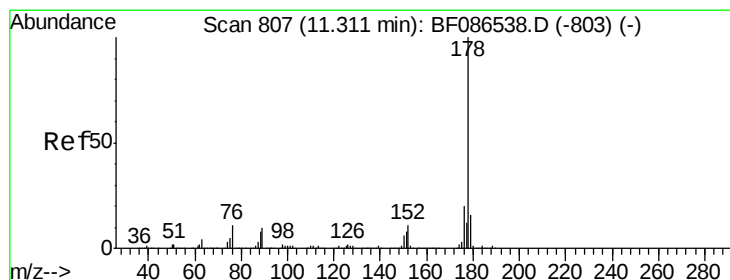
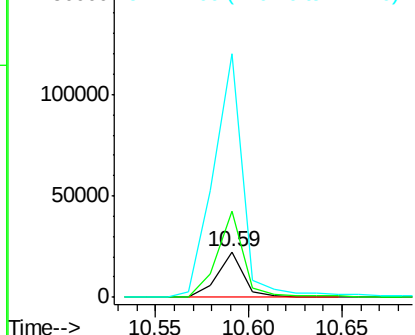
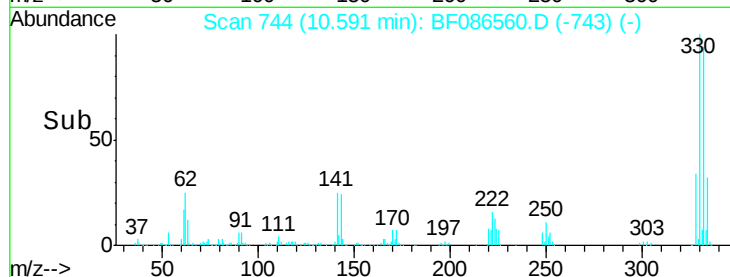
#66
 4-Bromophenyl-phenylether
 Concen: 4.72 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.29 min
 Lab File: BF086560.D
 Acq: 1 May 2016 9:29

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMP

Tgt Ion:248 Resp: 21968
 Ion Ratio Lower Upper
 248 100
 250 189.7 78.6 117.8#
 141 533.6 76.0 114.0#

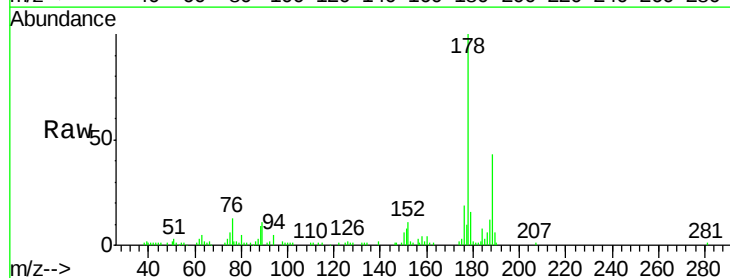


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

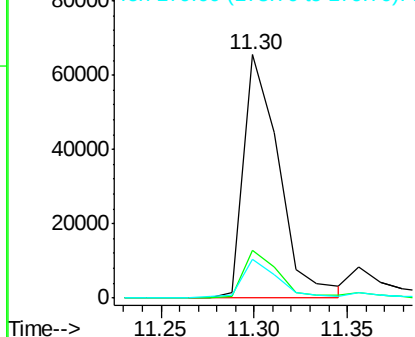
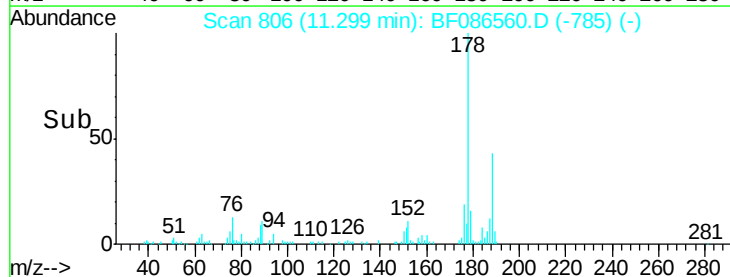


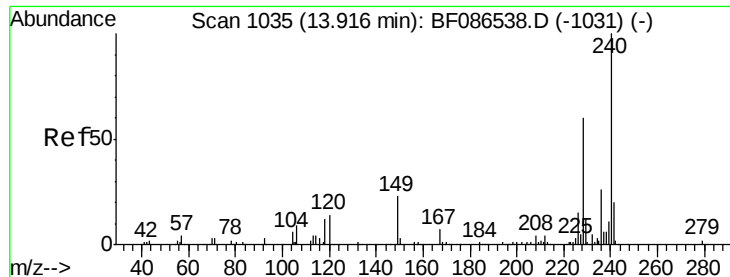
#70
 Phenanthrene
 Concen: 3.66 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.06 min
 Lab File: BF086560.D
 Acq: 1 May 2016 9:29

Tgt Ion:178 Resp: 86583
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.0 24.0
 179 16.1 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: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.06 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMP

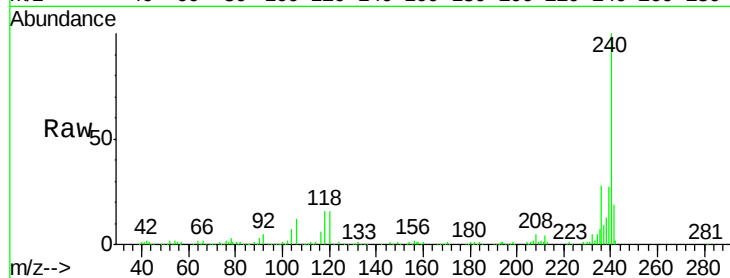
Tgt Ion:240 Resp: 214286

Ion Ratio Lower Upper

240 100

120 16.4 11.2 16.8

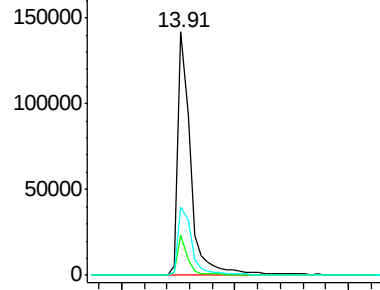
236 27.8 21.2 31.8



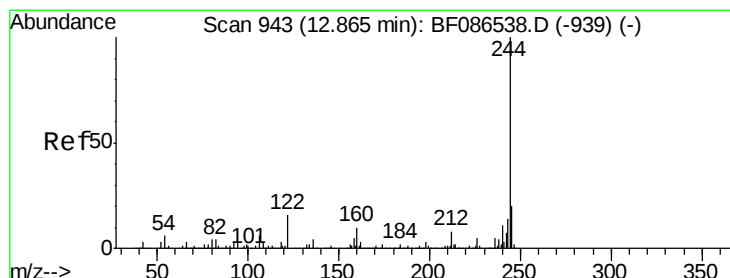
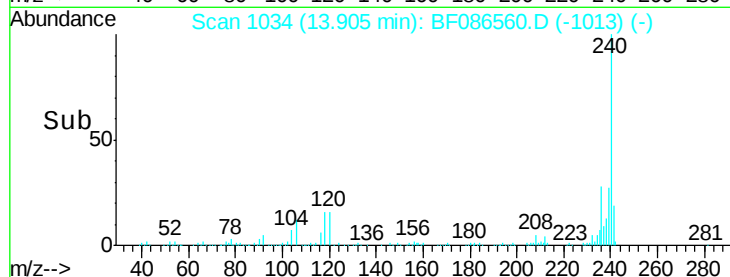
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 126.89 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.05 min

Lab File: BF086560.D

Acq: 1 May 2016 9:29

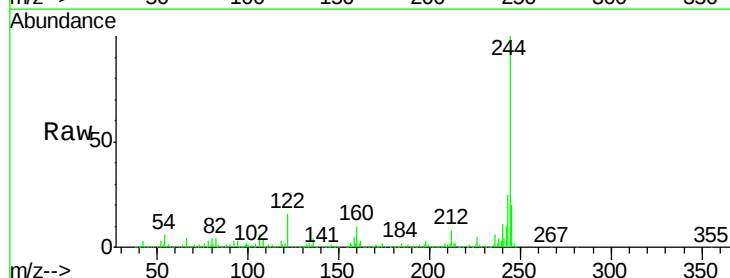
Tgt Ion:244 Resp: 1234153

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

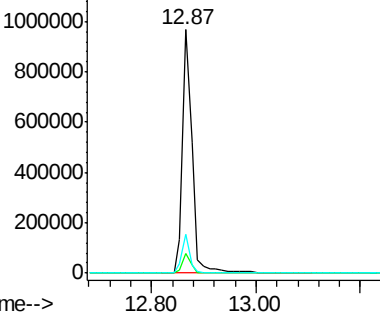
122 15.8 12.0 18.0



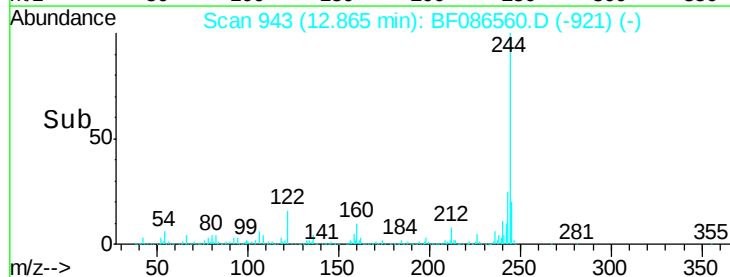
Abundance Ion 244.00 (243.70 to 244.70): E

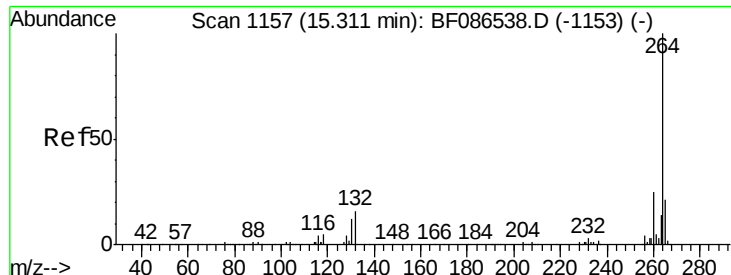
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.06 min
Lab File: BF086560.D
Acq: 1 May 2016 9:29

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMP

Tgt Ion: 264 Resp: 13759
Ion Ratio Lower Upper
264 100
260 43.2 19.5 29.3#
265 22.1 17.3 25.9

