

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
 Data File : BF086118.D
 Acq On : 7 Apr 2016 00:50
 Operator : UM/SJ
 Sample : H2165-02RE 10X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2COMPRES

Manual Integrations
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Sohil
 4/7/2016 8:59:17 AM

Quant Time: Apr 07 15:35:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	9195	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	38343	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	15098	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	26055	20.00	ng	-0.03
75) Chrysene-d12	13.90	240	23333	20.00	ng	-0.02
86) Perylene-d12	15.30	264	18499	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	73053	135.80	ng	-0.02
7) Phenol-d6	6.40	99	92876	135.93	ng	-0.02
23) Nitrobenzene-d5	7.31	82	55552	85.44	ng	-0.03
41) 2,4,6-Tribromophenol	10.58	330	12069	85.17	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	93158	102.59	ng	-0.03
78) Terphenyl-d14	12.84	244	67772	68.28	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	8.05	128	26917	13.96	ng	99
37) 2-Methylnaphthalene	8.75	142	7052	5.60	ng	97
48) Acenaphthylene	9.64	152	5843	3.87	ng	93
49) Dimethylphthalate	9.50	163	10415	9.31	ng	100
51) Acenaphthene	9.81	154	8118	9.03	ng	96
54) Dibenzofuran	9.98	168	8560	7.21	ng	# 93
57) Fluorene	10.33	166	12272	12.10	ng	99
70) Phenanthrene	11.29	178	78247	55.05	ng	98
71) Anthracene	11.34	178	21729	14.59	ng	99
72) Carbazole	11.50	167	8558	6.69	ng	98
74) Fluoranthene	12.48	202	88629	59.95	ng	91
77) Pylene	12.70	202	75518	45.93	ng	99
79) Butylbenzylphthalate	13.32	149	4432	5.99	ng	# 79
80) Benzo(a)anthracene	13.89	228	45884	33.36	ng	97
82) Chrysene	13.93	228	23413m	17.67	ng	
85) Indeno(1,2,3-cd)pyrene	16.65	276	13296	12.37	ng	# 87
87) Benzo(b)fluoranthene	14.91	252	30522m	26.23	ng	
88) Benzo(k)fluoranthene	14.92	252	12234m	11.87	ng	
91) Benzo(a,h,i)perylene	17.06	276	12980	16.17	ng	# 90

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

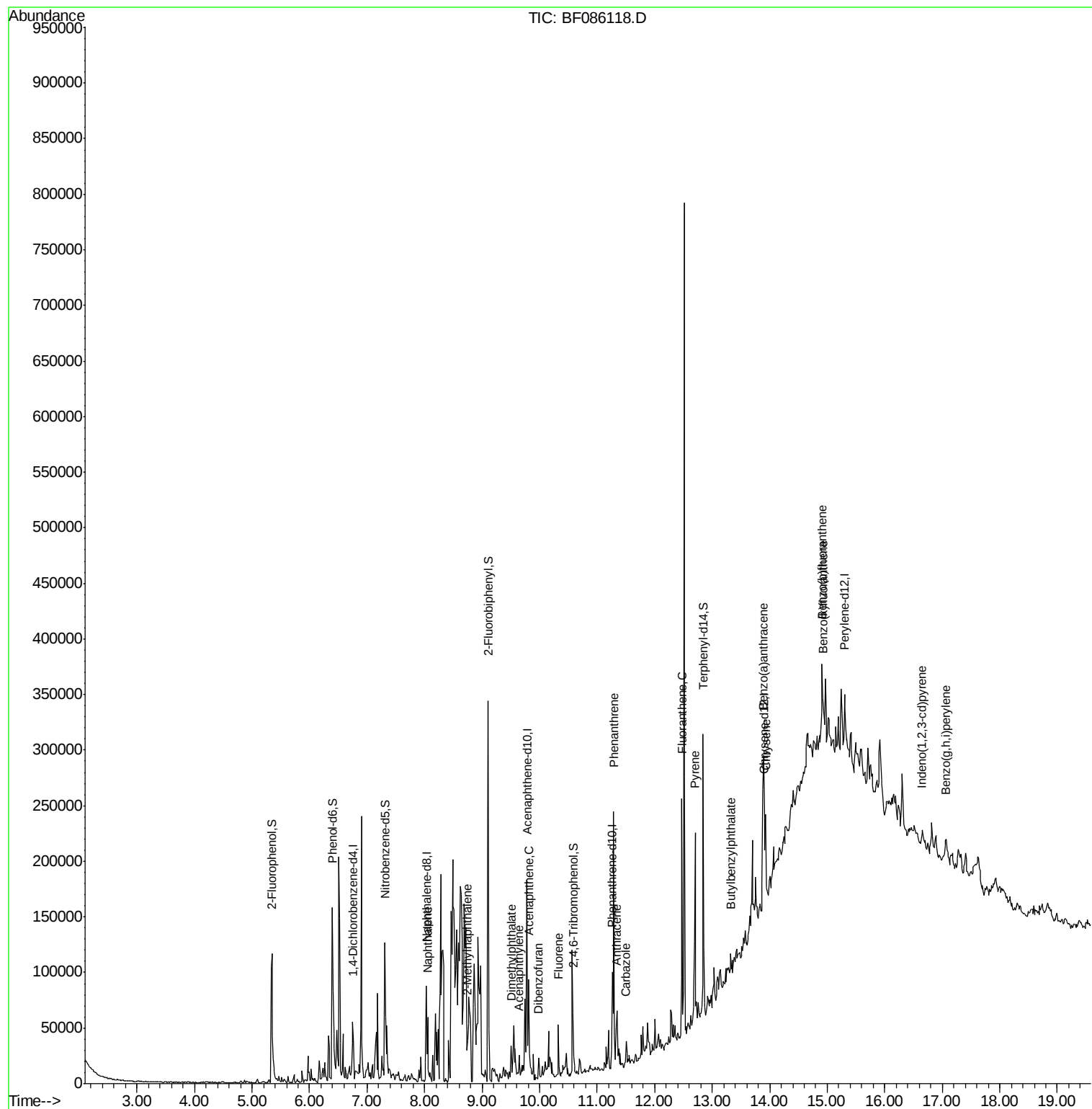
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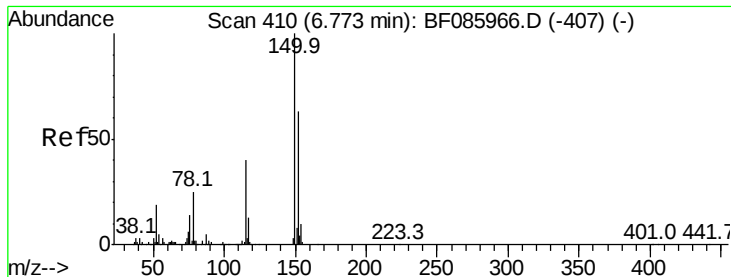
Instrument :
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ClientSampleId :
TEC-B2COMP

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#1

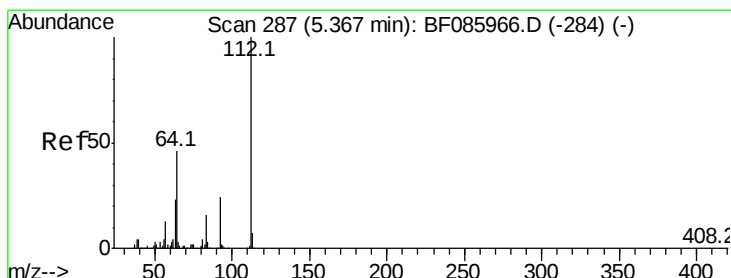
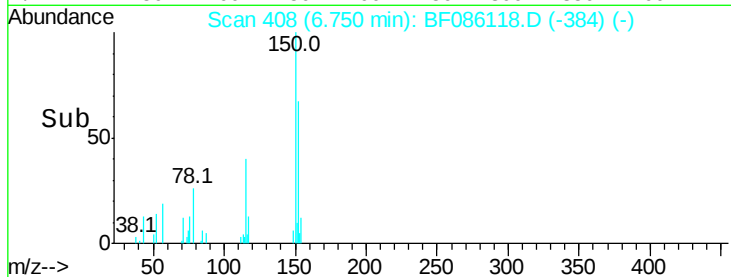
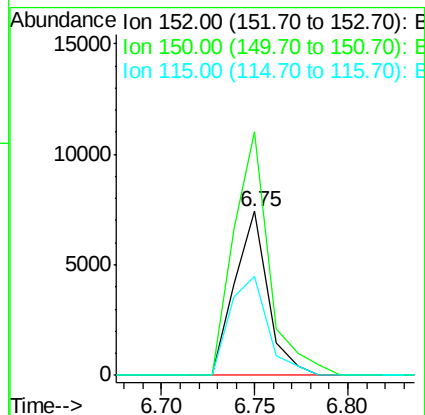
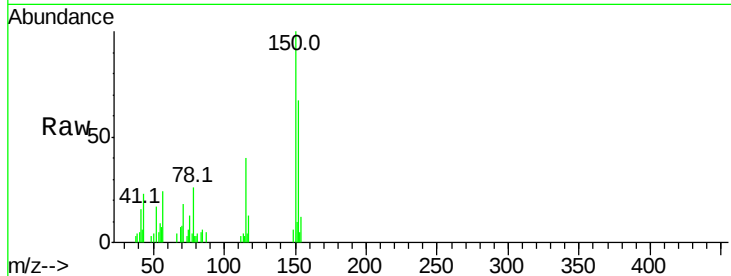
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.02 min
Lab File: BF086118.D
Acq: 7 Apr 2016 00:50

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

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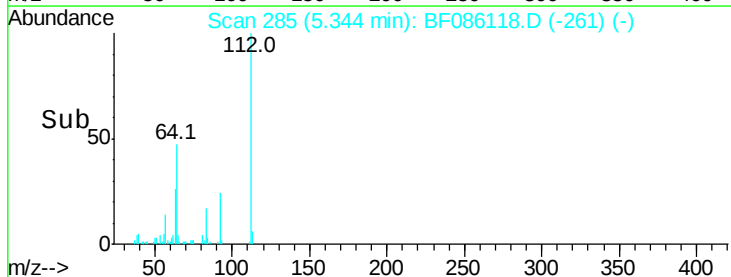
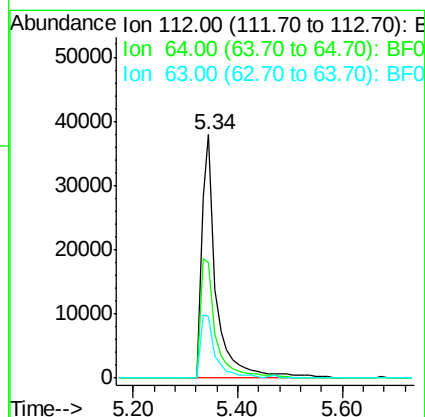
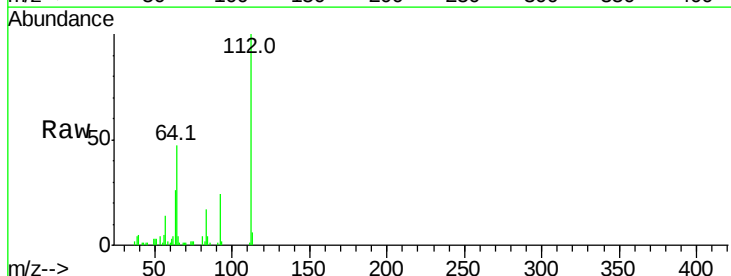
Tot Ion	Ratio	Lower	Upper
152	100		
150	148.7	124.2	186.2
115	60.1	47.0	70.6

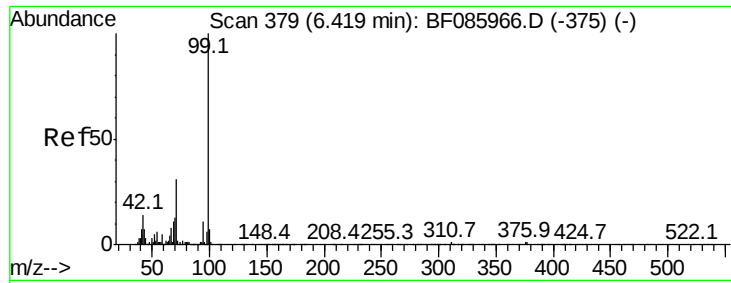


#5

2-Fluorophenol
Concen: 135.80 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.02 min
Lab File: BF086118.D
Acq: 7 Apr 2016 00:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.3	39.9	59.9
63	25.6	20.2	30.2





#7

Phenol-d6

Concen: 135.93 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086118.D

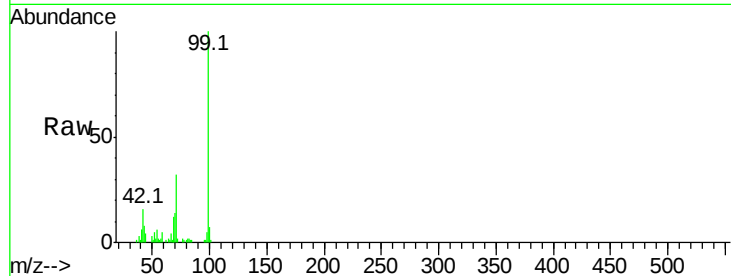
Acq: 7 Apr 2016 00:50

Instrument :

BNA_F

ClientSampleId :

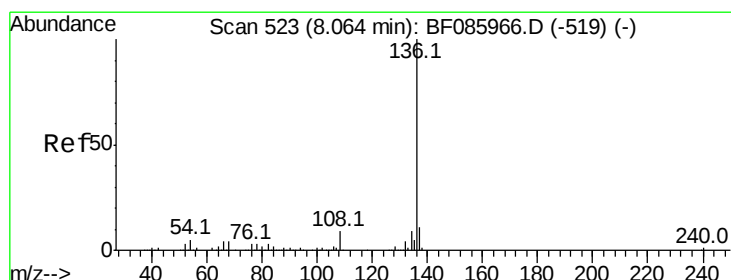
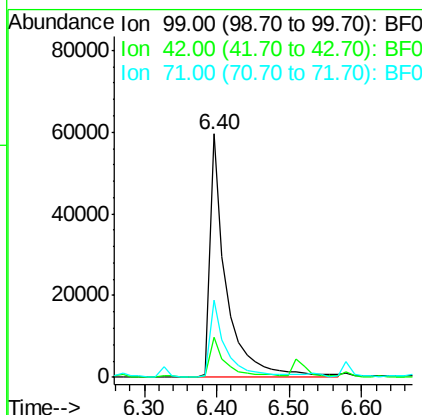
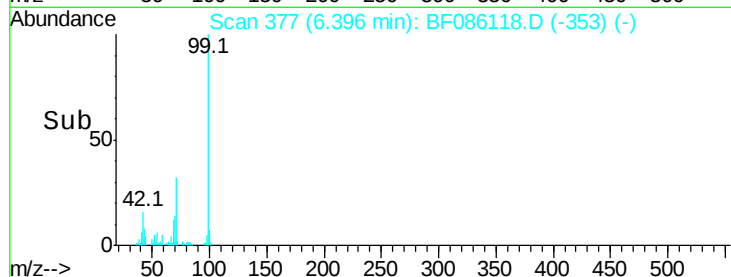
TEC-B2COMP



Tot Ion:	99	Resp:	92876
Ion Ratio	Lower	Upper	
99	100		
42	16.3	11.1	16.7
71	31.5	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

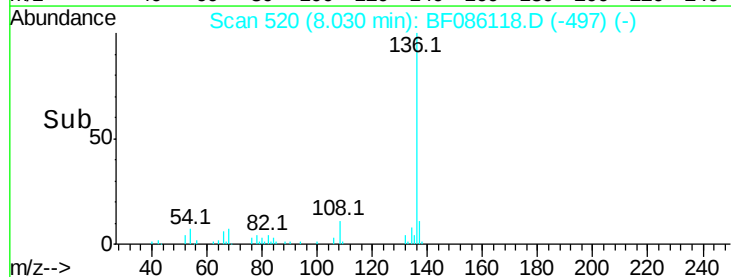
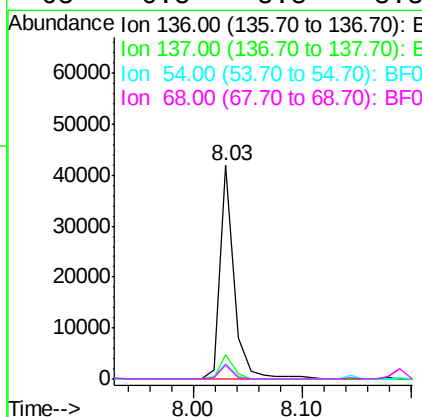
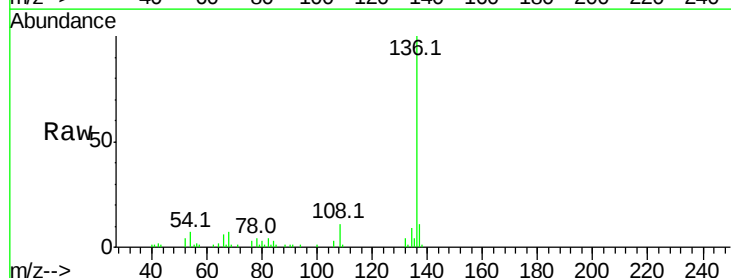
RT: 8.03 min Scan# 520

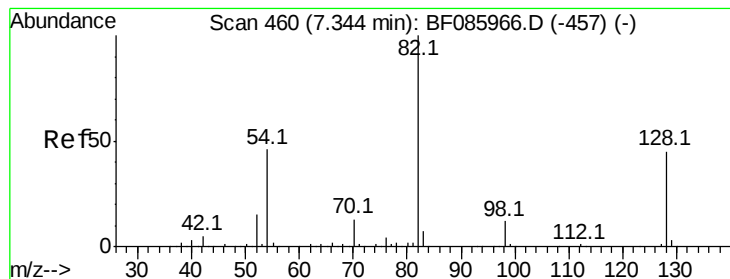
Delta R.T. -0.03 min

Lab File: BF086118.D

Acq: 7 Apr 2016 00:50

Tgt Ion:	136	Resp:	38343
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	7.1	7.4	11.0#
68	6.5	5.8	8.8





#23

Nitrobenzene-d5

Concen: 85.44 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086118.D

Acq: 7 Apr 2016 00:50

Instrument :

BNA_F

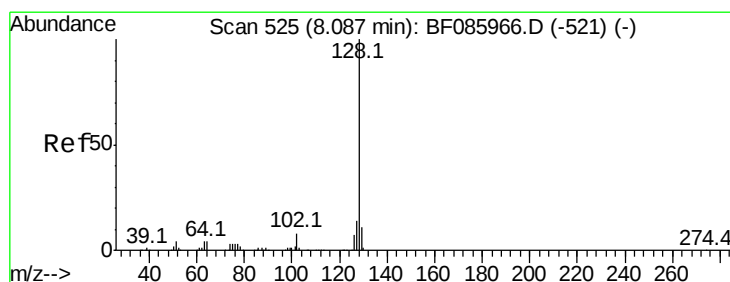
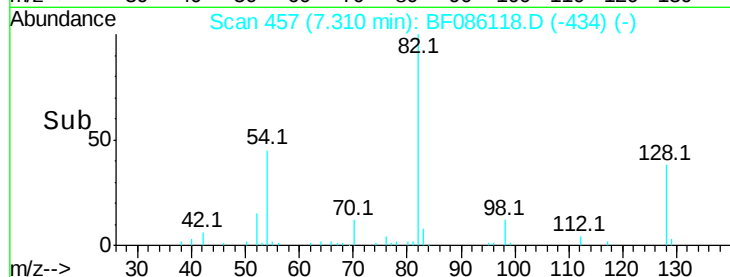
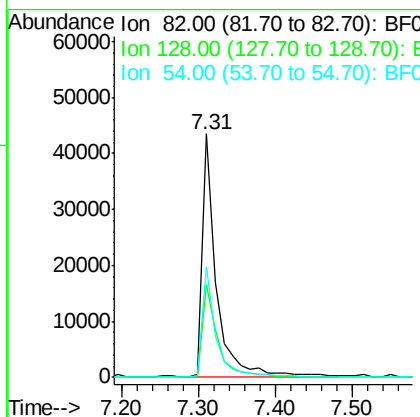
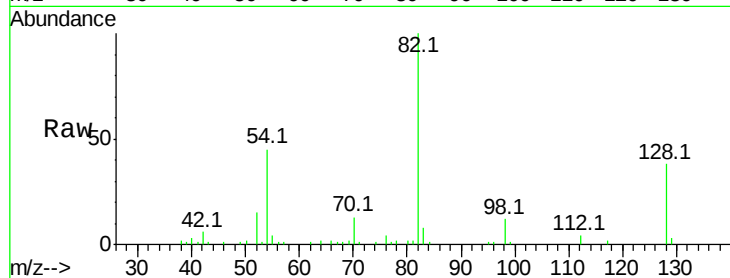
ClientSampleId :

TEC-B2COMP

Tot Ion:	82	Resp:	55552
Ion Ratio	Lower	Upper	
82	100		
128	38.2	41.8	62.8#
54	45.4	33.4	50.0

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#31

Naphthalene

Concen: 13.96 ng

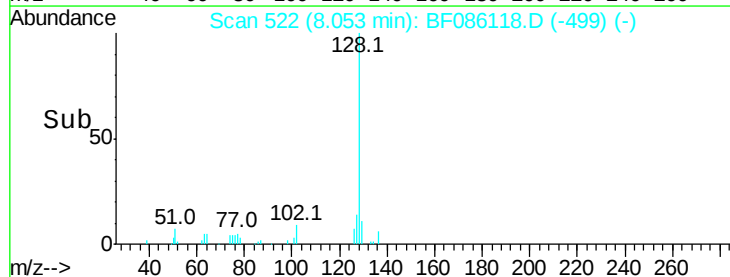
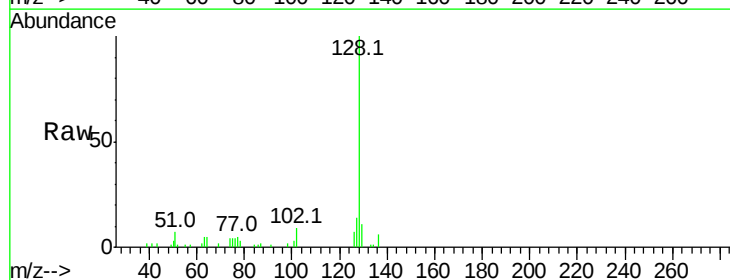
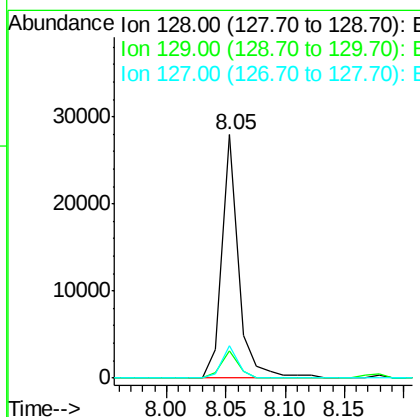
RT: 8.05 min Scan# 522

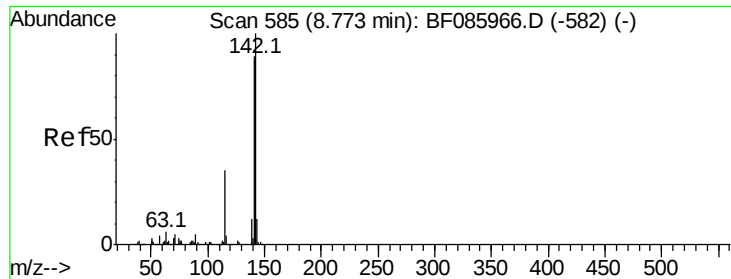
Delta R.T. -0.03 min

Lab File: BF086118.D

Acq: 7 Apr 2016 00:50

Tgt Ion:	128	Resp:	26917
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.4	14.0
127	13.5	11.0	16.6





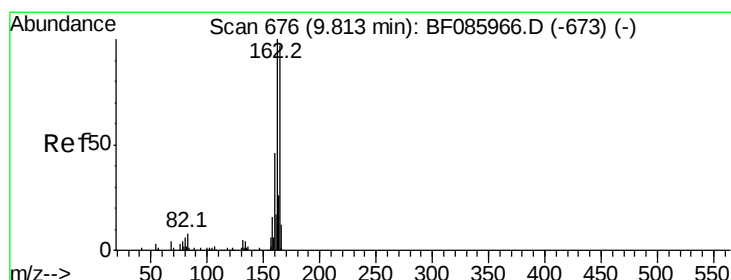
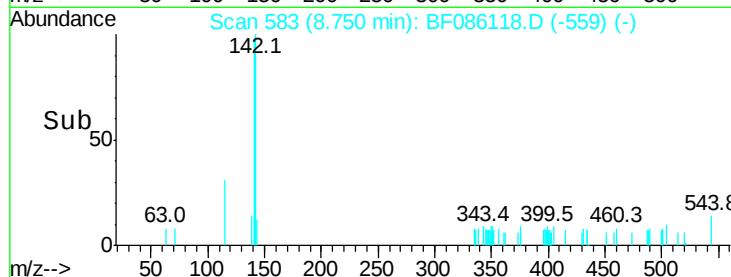
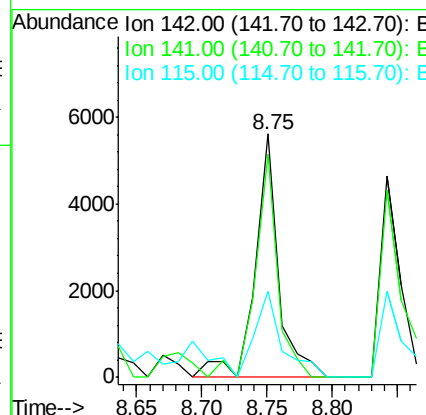
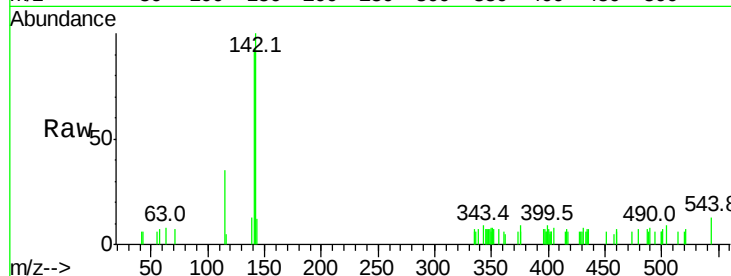
#37
2-Methylnaphthalene
Concen: 5.60 ng
RT: 8.75 min Scan# 583
Delta R.T. -0.02 min
Lab File: BF086118.D
Acq: 7 Apr 2016 00:50

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.6	71.6	107.4
115	35.4	26.8	40.2

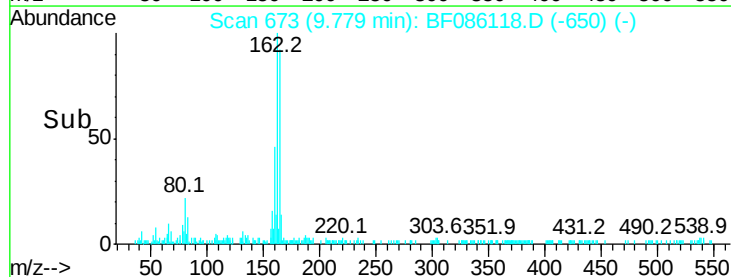
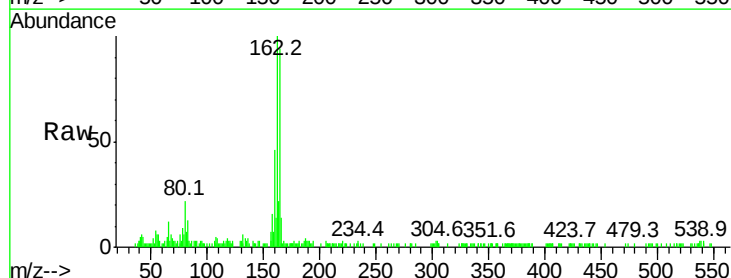
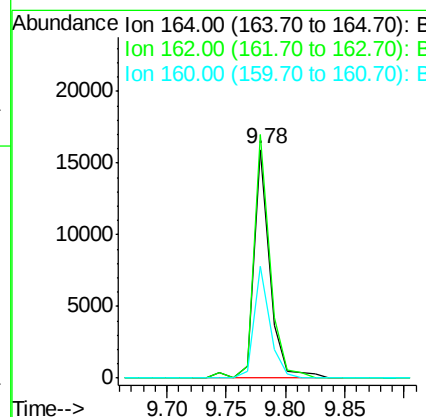
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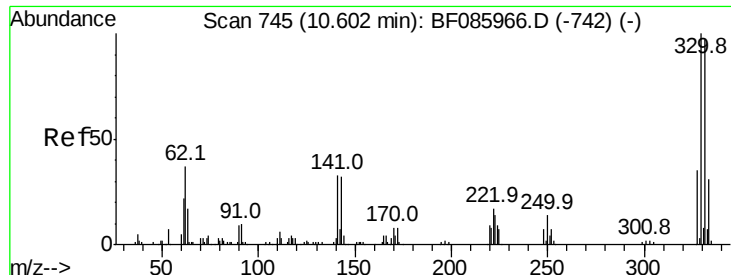
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.03 min
Lab File: BF086118.D
Acq: 7 Apr 2016 00:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.4	82.1	123.1
160	49.0	37.4	56.2





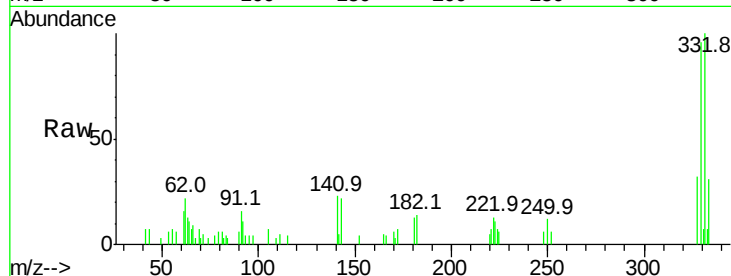
#41
 2,4,6-Tribromophenol
 Concen: 85.17 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.02 min
 Lab File: BF086118.D
 Acq: 7 Apr 2016 00:50

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.8	78.2	117.2
141	50.4	31.5	47.3

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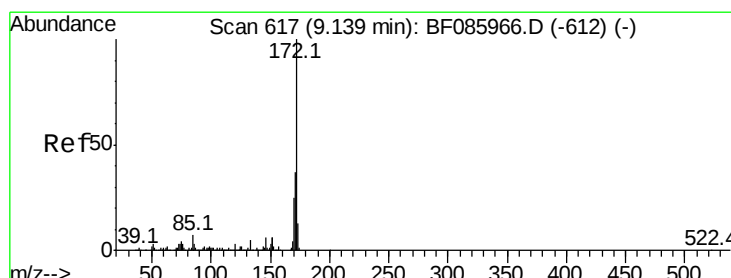
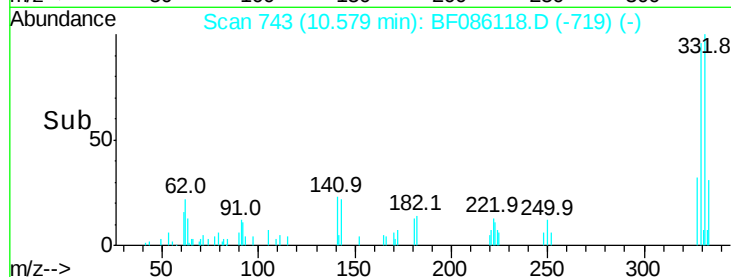
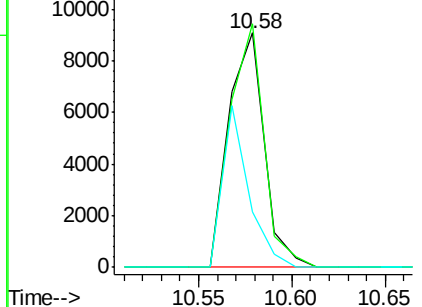


Abundance

Ion 329.80 (329.50 to 330.50): E

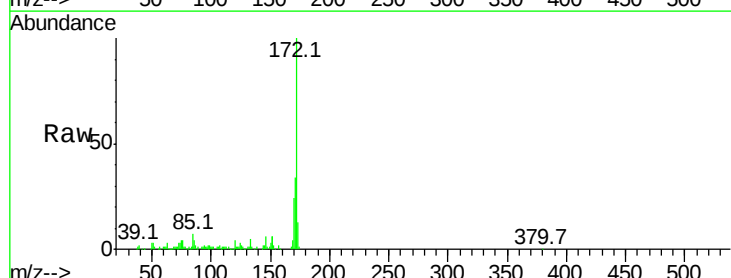
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 102.59 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF086118.D
 Acq: 7 Apr 2016 00:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.4	44.2
170	23.9	19.8	29.6

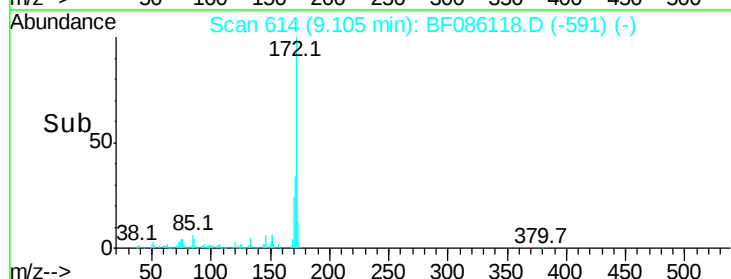
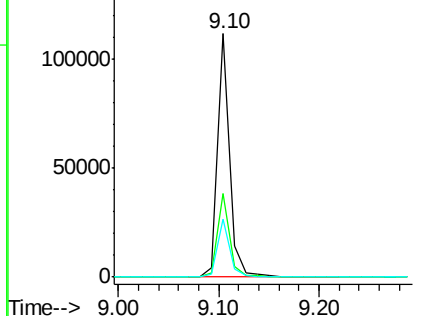


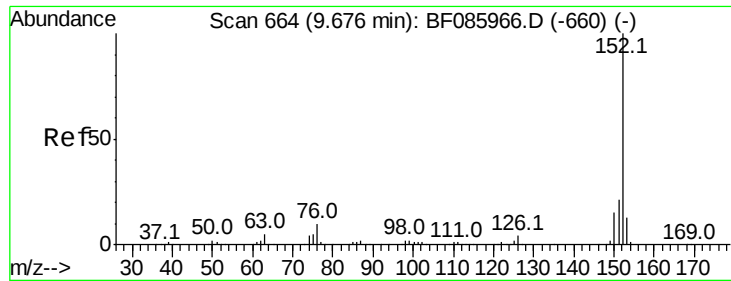
Abundance

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





#48

Acenaphthylene

Concen: 3.87 ng

RT: 9.64 min Scan# 661

Delta R.T. -0.03 min

Lab File: BF086118.D

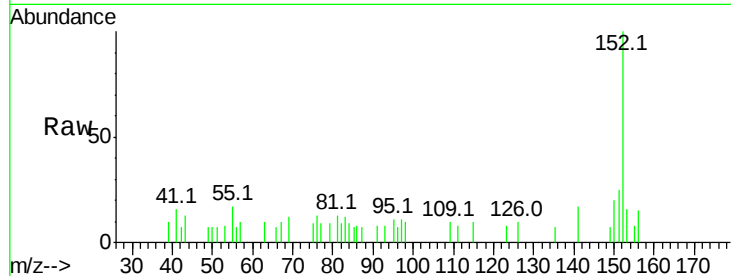
Acq: 7 Apr 2016 00:50

Instrument :

BNA_F

ClientSampleId :

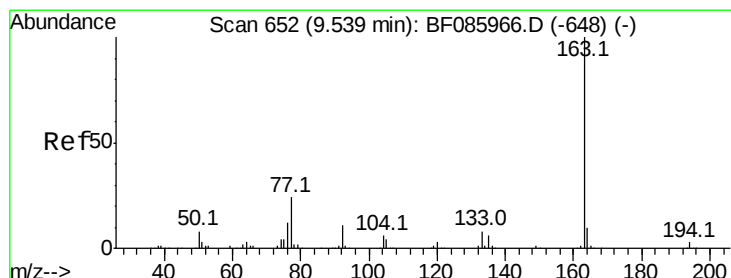
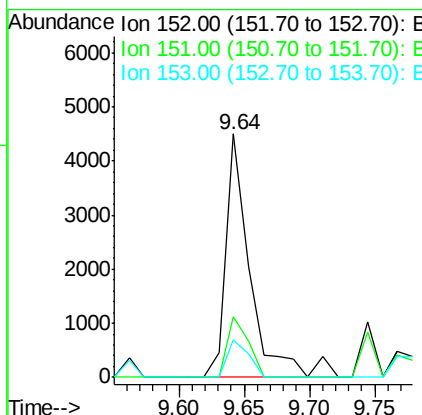
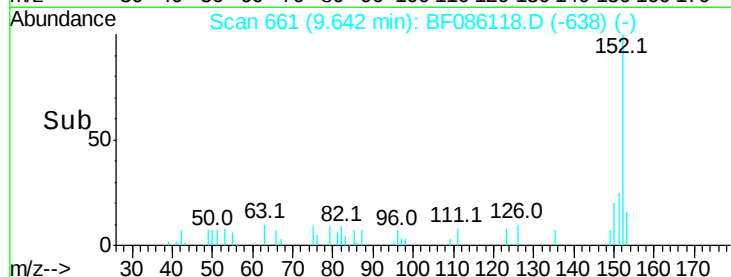
TEC-B2COMP



Tot Ion:	152	Resp:	5843
Ion Ratio	Lower	Upper	
152	100		
151	24.7	16.8	25.2
153	15.5	10.9	16.3

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#49

Dimethylphthalate

Concen: 9.31 ng

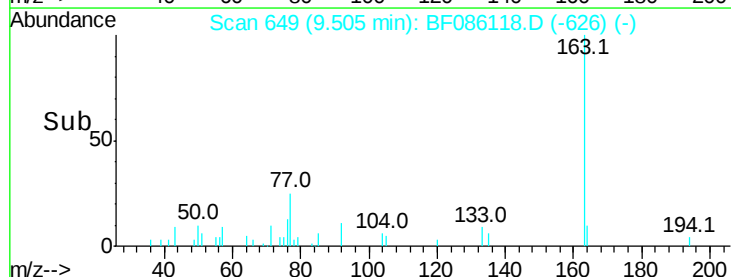
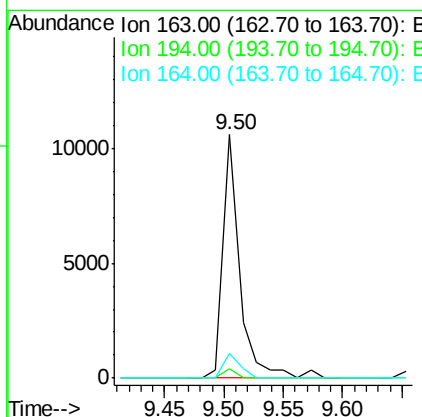
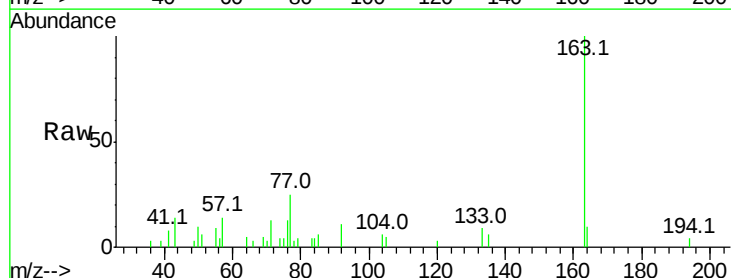
RT: 9.50 min Scan# 649

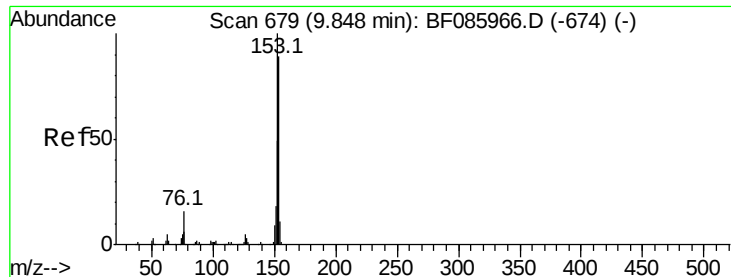
Delta R.T. -0.03 min

Lab File: BF086118.D

Acq: 7 Apr 2016 00:50

Tgt Ion:	163	Resp:	10415
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.9	4.3
164	10.2	8.3	12.5





#51

Acenaphthene

Concen: 9.03 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.03 min

Lab File: BF086118.D

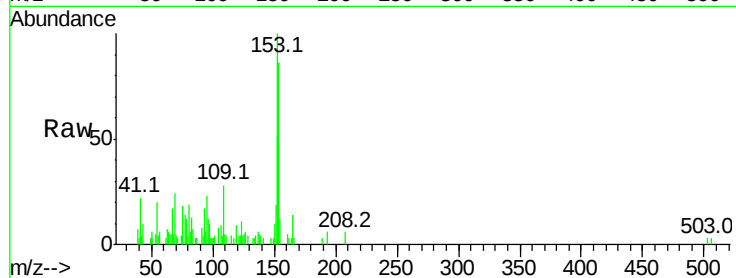
Acq: 7 Apr 2016 00:50

Instrument :

BNA_F

ClientSampleId :

TEC-B2COMP



Tot Ion:154 Resp: 8118

Ion Ratio Lower Upper

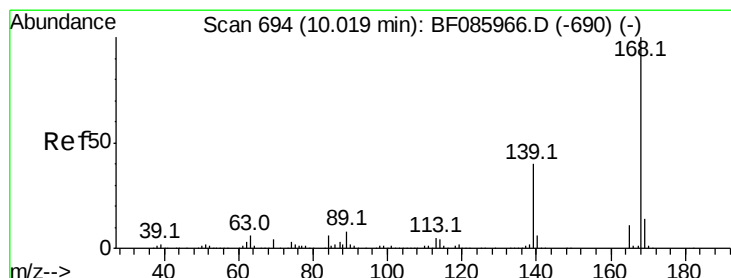
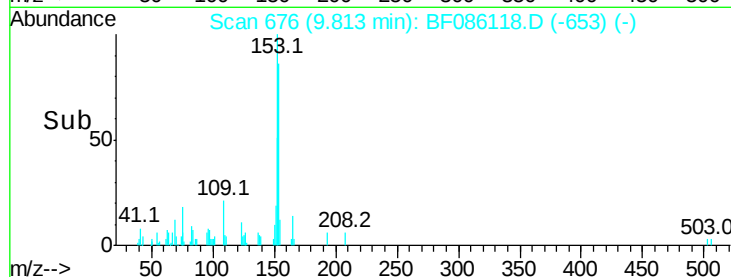
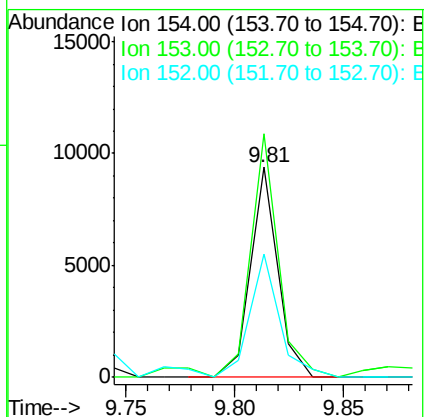
154 100

153 116.0 90.1 135.1

152 58.9 44.2 66.2

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#54

Dibenzofuran

Concen: 7.21 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.03 min

Lab File: BF086118.D

Acq: 7 Apr 2016 00:50

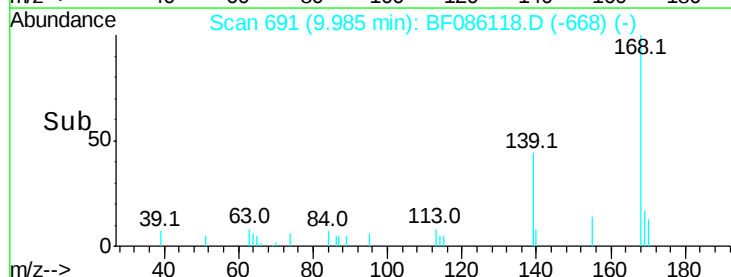
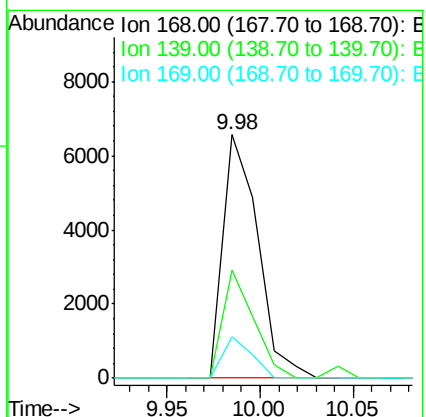
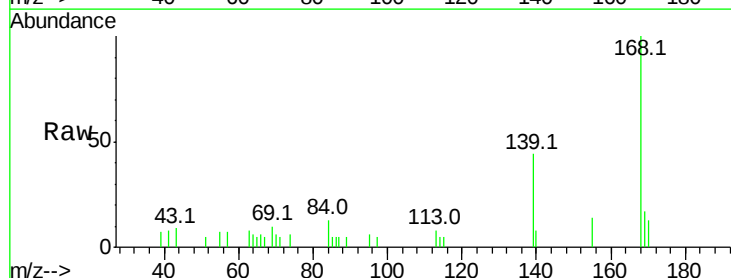
Tgt Ion:168 Resp: 8560

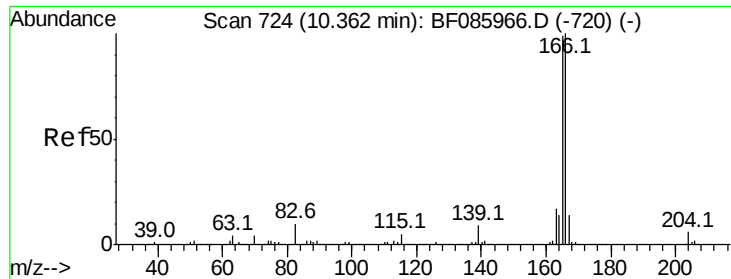
Ion Ratio Lower Upper

168 100

139 44.1 31.9 47.9

169 17.0 11.0 16.6#





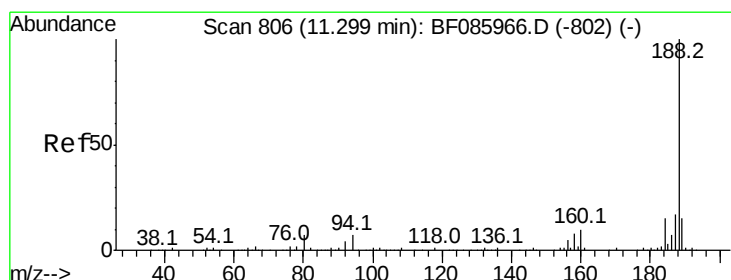
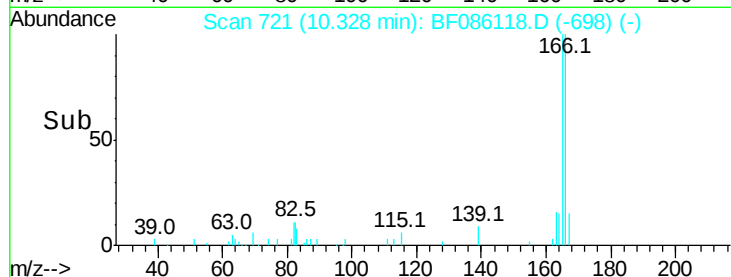
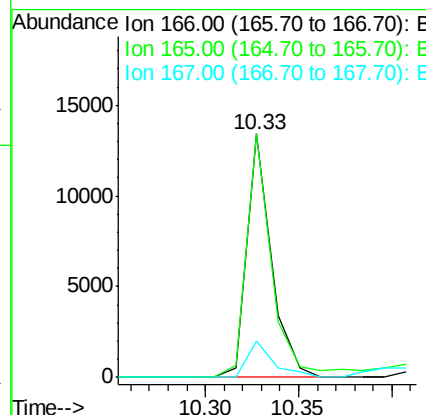
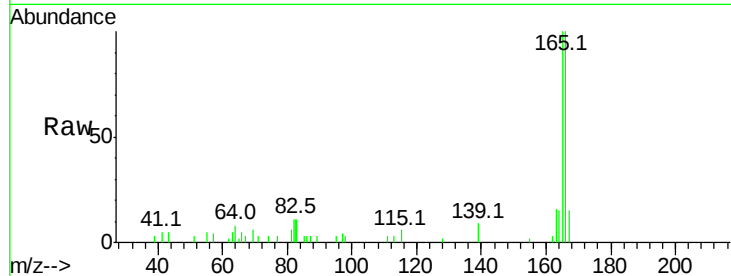
#57
Fluorene
 Concen: 12.10 ng
 RT: 10.33 min Scan# 721
 Delta R.T. -0.03 min
 Lab File: BF086118.D
 Acq: 7 Apr 2016 00:50

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.4	119.0
167	14.9	11.0	16.4

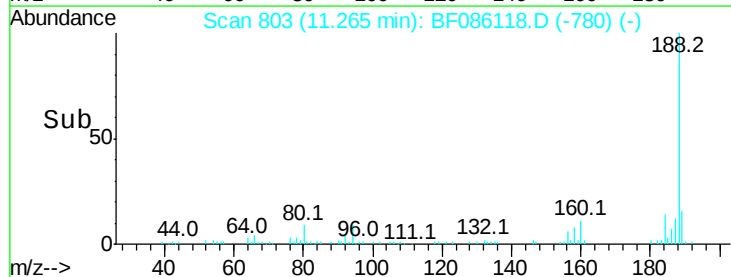
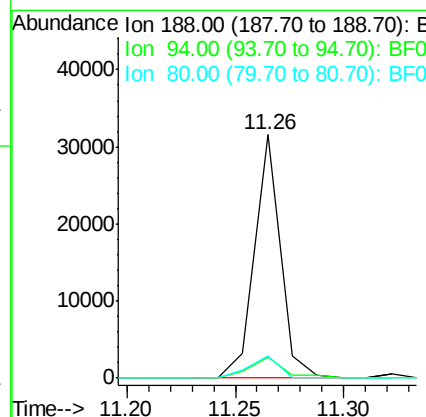
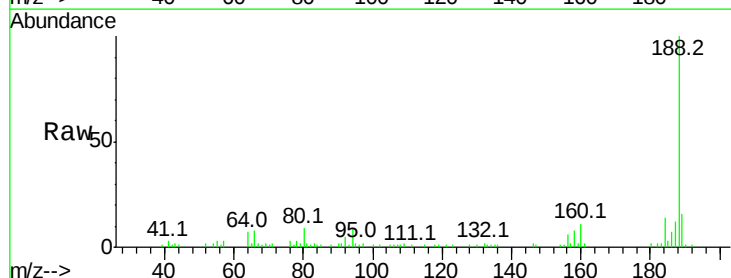
Manual Integrations
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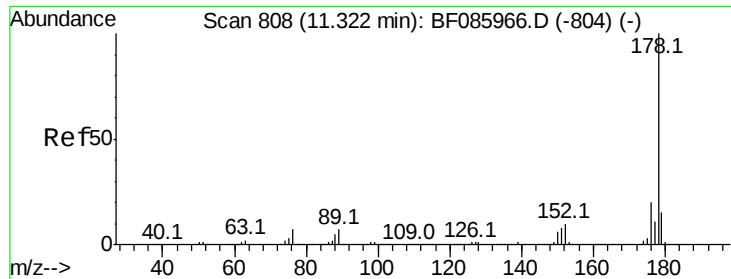
Sohil
 4/7/2016 8:59:17 AM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.03 min
 Lab File: BF086118.D
 Acq: 7 Apr 2016 00:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	5.4	8.0#
80	9.1	5.5	8.3#





#70

Phenanthrene

Concen: 55.05 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF086118.D

Acq: 7 Apr 2016 00:50

Instrument :

BNA_F

ClientSampleId :

TEC-B2COMP

Tot Ion:178 Resp: 78247

Ion Ratio Lower Upper

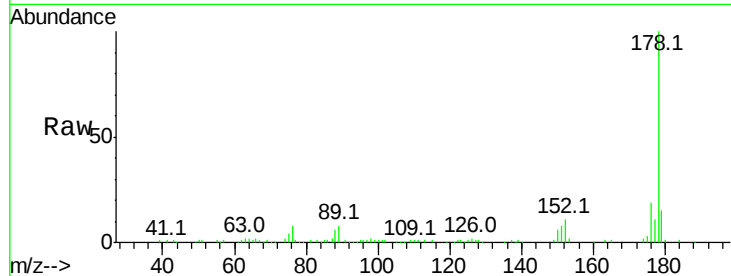
178 100

176 19.4 16.3 24.5

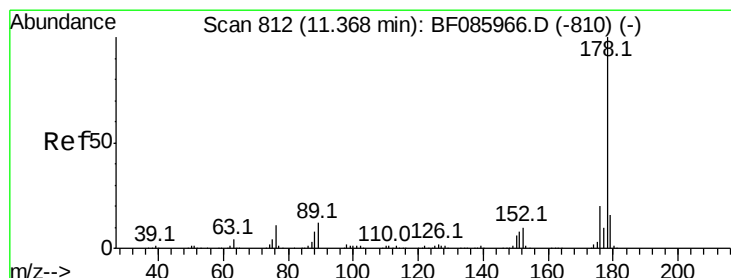
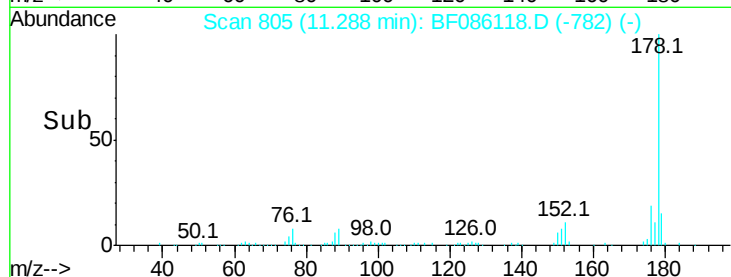
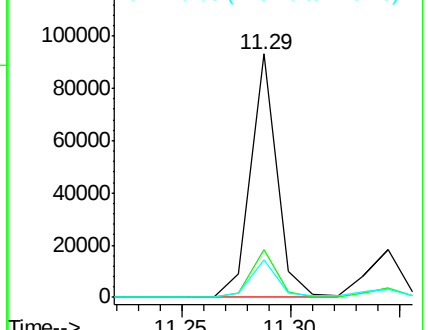
179 15.4 12.6 18.8

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



#71

Anthracene

Concen: 14.59 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.02 min

Lab File: BF086118.D

Acq: 7 Apr 2016 00:50

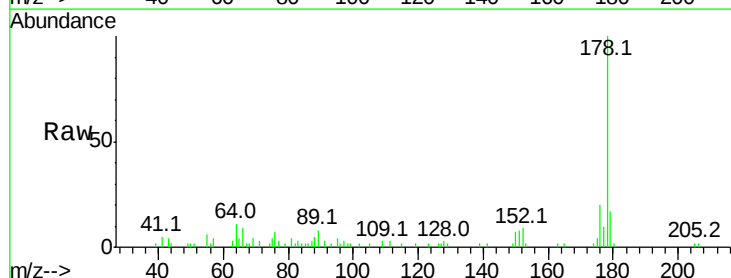
Tgt Ion:178 Resp: 21729

Ion Ratio Lower Upper

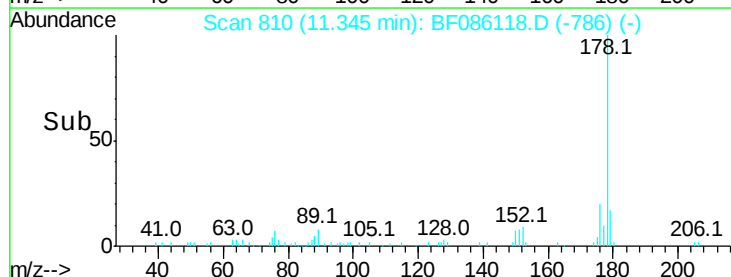
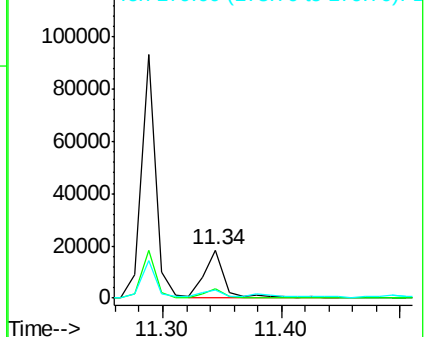
178 100

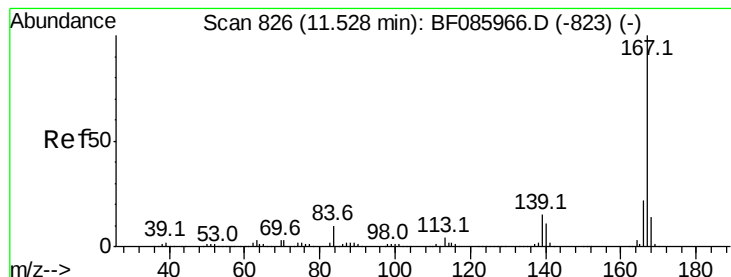
176 19.6 15.9 23.9

179 16.7 13.0 19.4



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





#72

Carbazole

Concen: 6.69 ng

RT: 11.50 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF086118.D

Acq: 7 Apr 2016 00:50

Instrument :

BNA_F

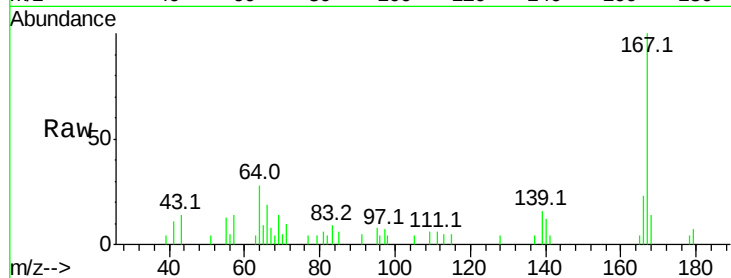
ClientSampleId :

TEC-B2COMP

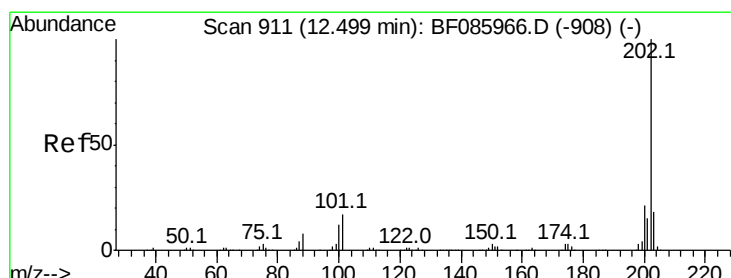
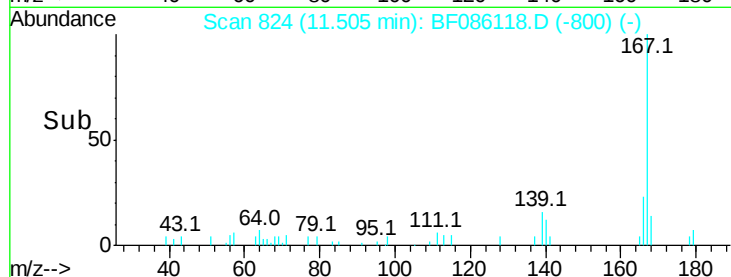
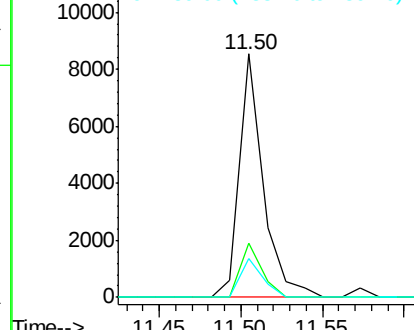
Tot Ion:	167	Resp:	8558
Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.8	26.8
139	15.9	11.6	17.4

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 59.95 ng

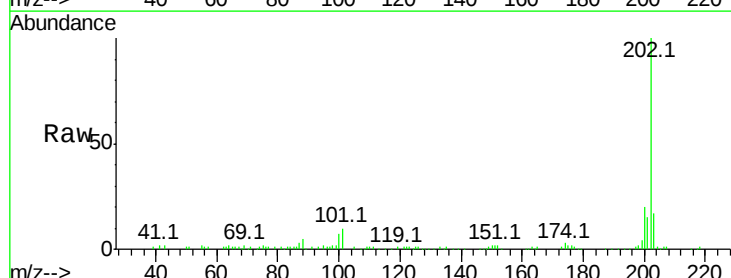
RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

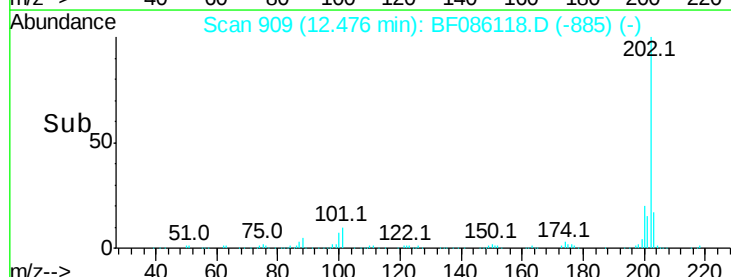
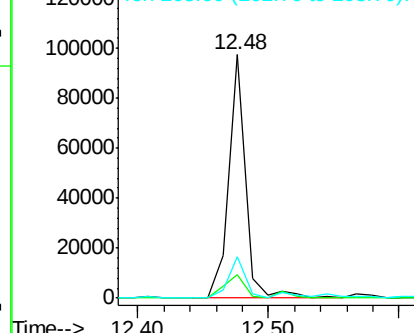
Lab File: BF086118.D

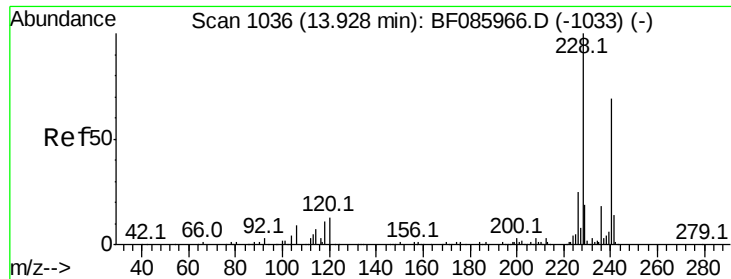
Acq: 7 Apr 2016 00:50

Tgt Ion:	202	Resp:	88629
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	36.6
203	17.1	0.0	38.1



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: 13.90 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF086118.D

Acq: 7 Apr 2016 00:50

Instrument :

BNA_F

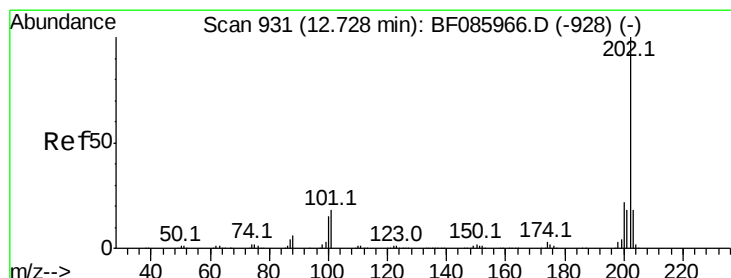
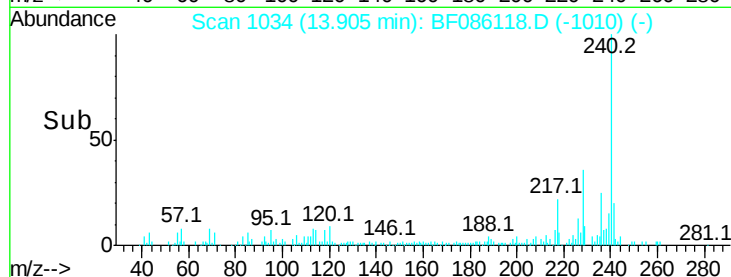
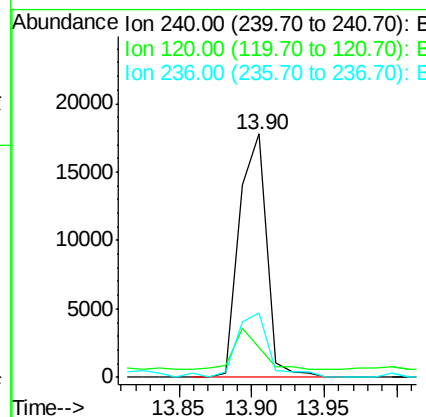
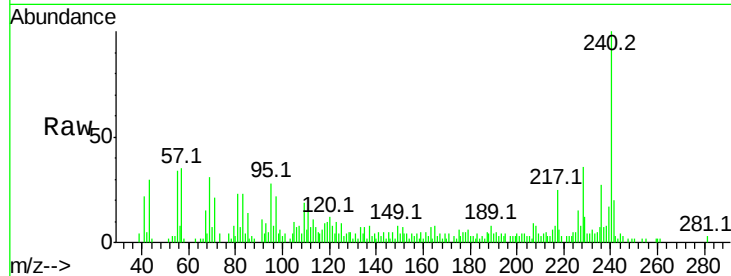
ClientSampleId :

TEC-B2COMP

Tot Ion:	240	Resp:	23333
Ion Ratio	Lower	Upper	
240	100		
120	12.2	13.8	20.8#
236	26.6	20.6	30.8

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#77

Pyrene

Concen: 45.93 ng

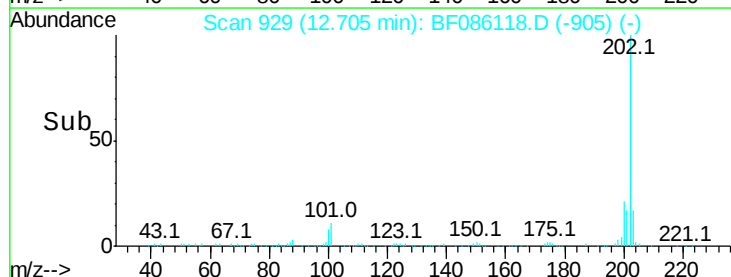
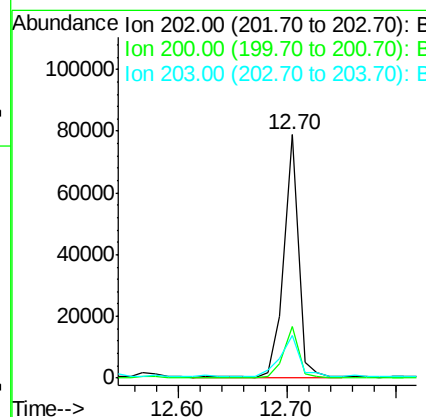
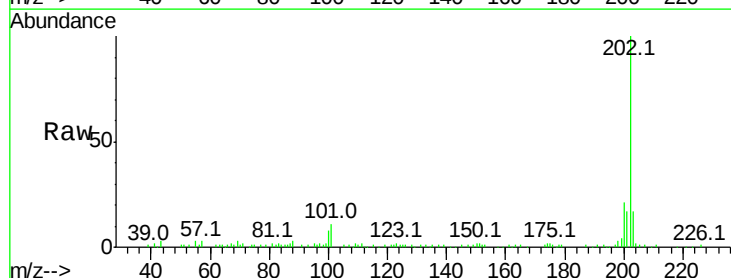
RT: 12.70 min Scan# 929

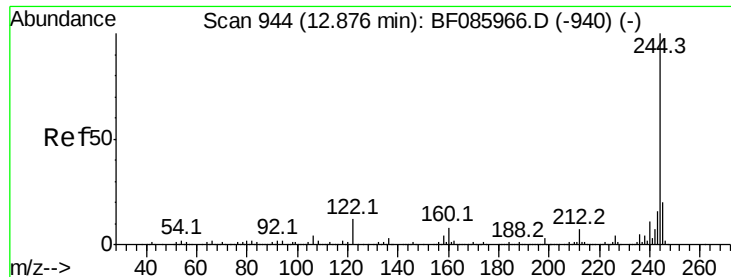
Delta R.T. -0.02 min

Lab File: BF086118.D

Acq: 7 Apr 2016 00:50

Tgt Ion:	202	Resp:	75518
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.6	26.4
203	17.3	14.0	21.0





#78

Terphenyl-d14

Concen: 68.28 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086118.D

Acq: 7 Apr 2016 00:50

Instrument :

BNA_F

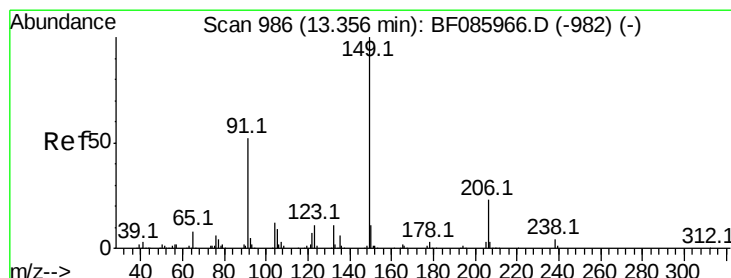
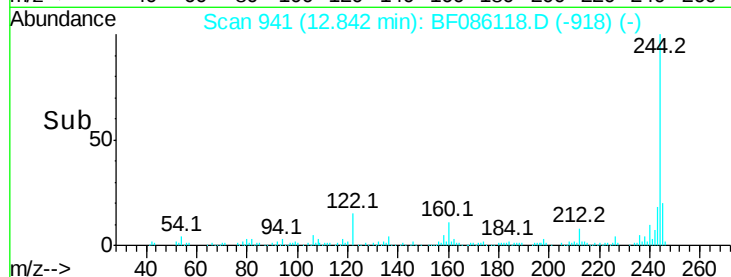
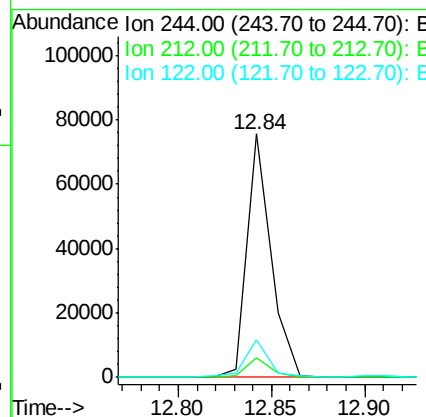
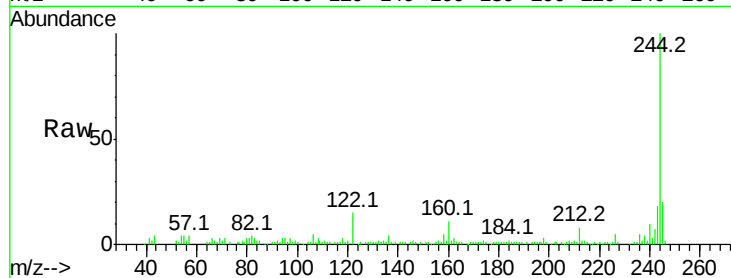
ClientSampleId :

TEC-B2COMPRE

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.1	9.1
122	15.5	10.2	15.4

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#79

Butylbenzylphthalate

Concen: 5.99 ng

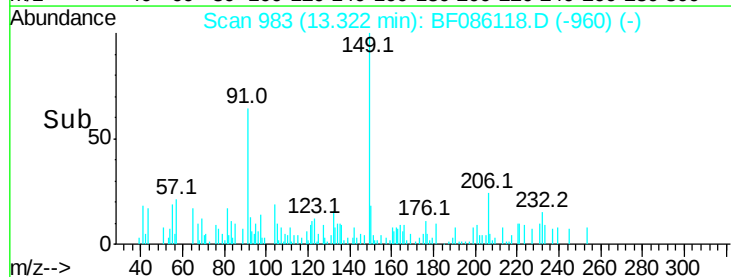
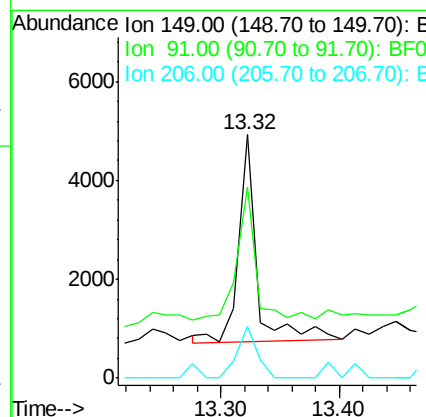
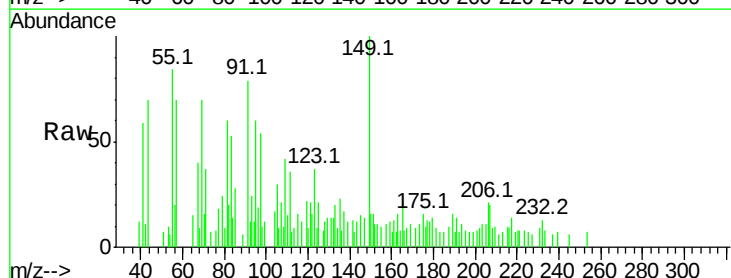
RT: 13.32 min Scan# 983

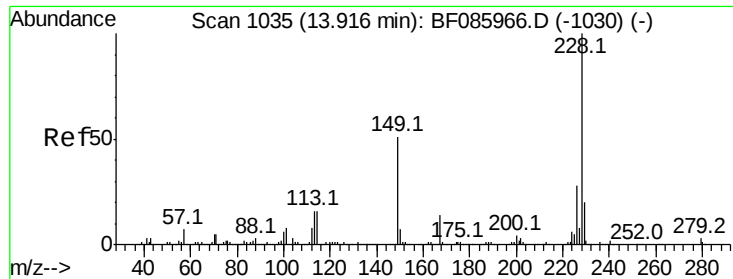
Delta R.T. -0.03 min

Lab File: BF086118.D

Acq: 7 Apr 2016 00:50

Tgt Ion	Ratio	Lower	Upper
149	100		
91	78.7	45.8	68.8
206	21.3	17.8	26.8





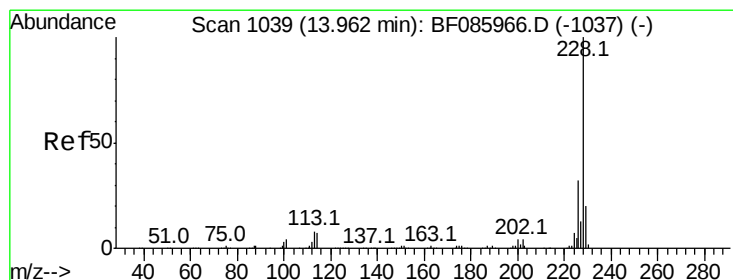
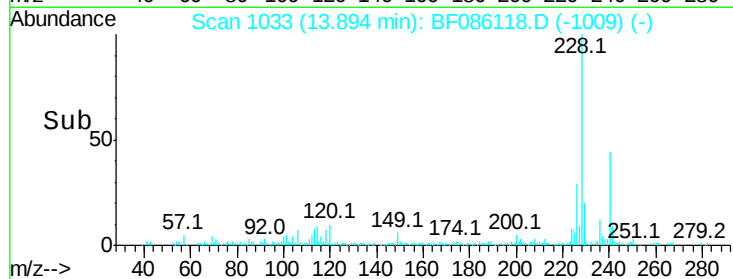
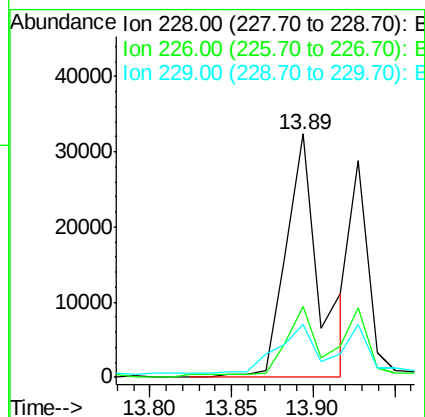
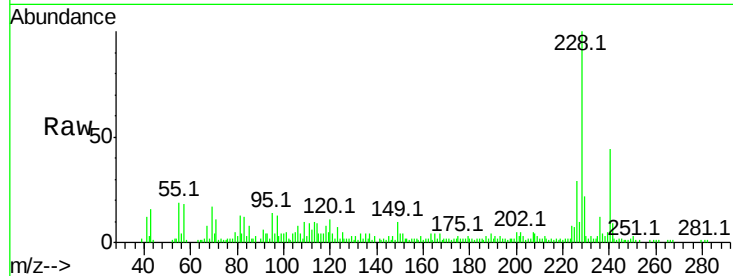
#80
Benzo(a)anthracene
Concen: 33.36 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF086118.D
Acq: 7 Apr 2016 00:50

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

Tot Ion:	228	Resp:	45884
Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.1	33.1
229	21.6	16.2	24.4

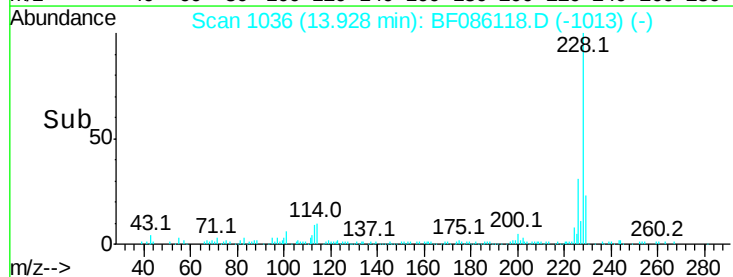
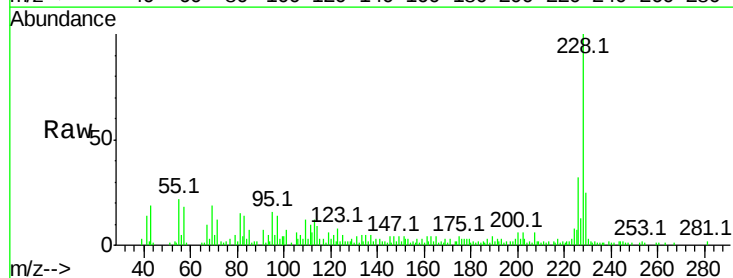
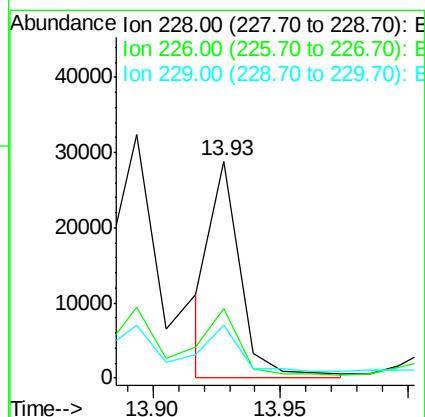
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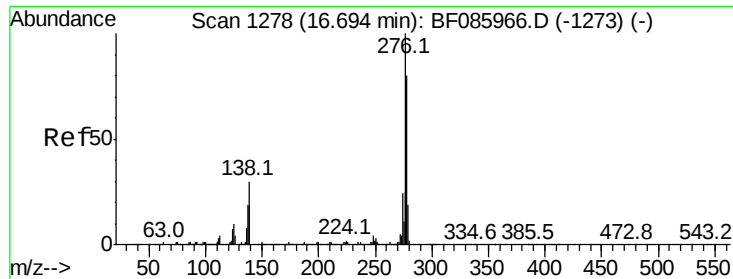
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#82
Chrysene
Concen: 17.67 ng m
RT: 13.93 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BF086118.D
Acq: 7 Apr 2016 00:50

Tgt Ion:	228	Resp:	23413
Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	24.6	15.7	23.5#





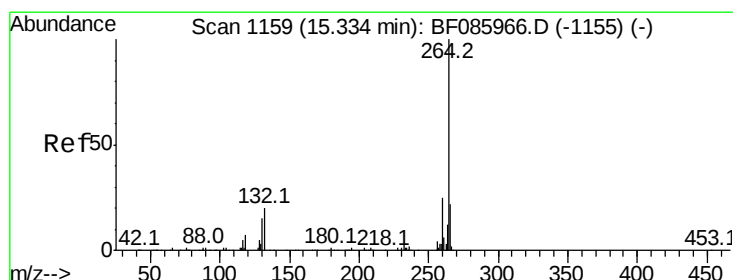
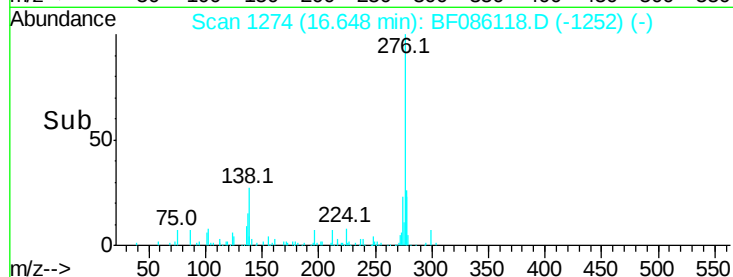
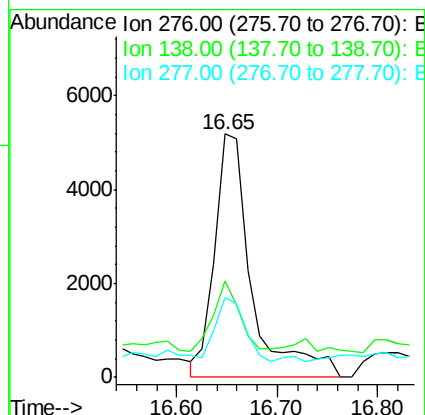
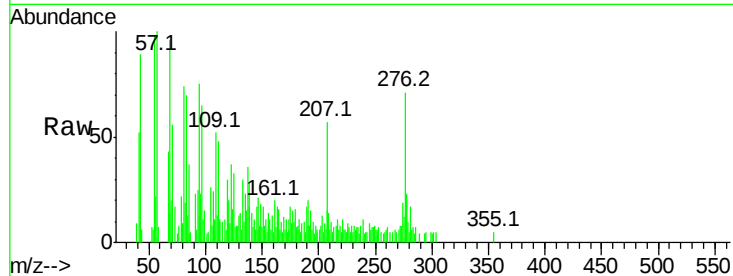
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.37 ng
RT: 16.65 min Scan# 1274
Delta R.T. -0.05 min
Lab File: BF086118.D
Acq: 7 Apr 2016 00:50

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	24.2	36.4#
277	21.5	20.0	30.0

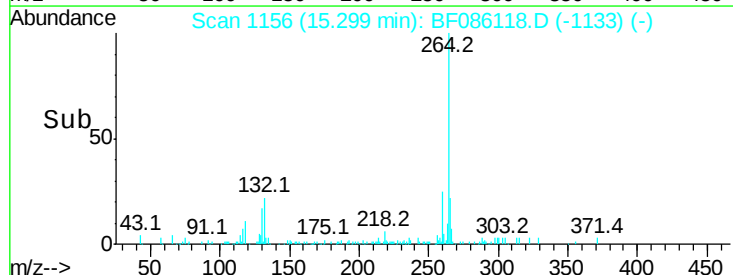
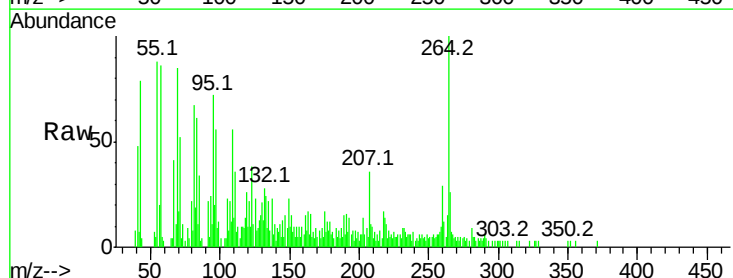
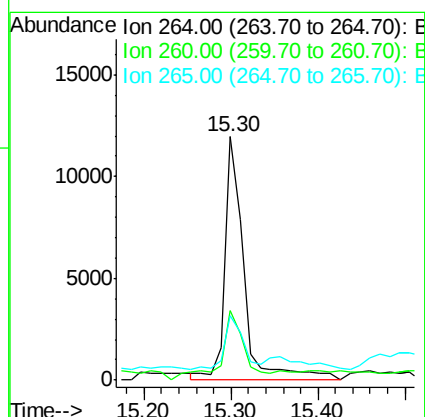
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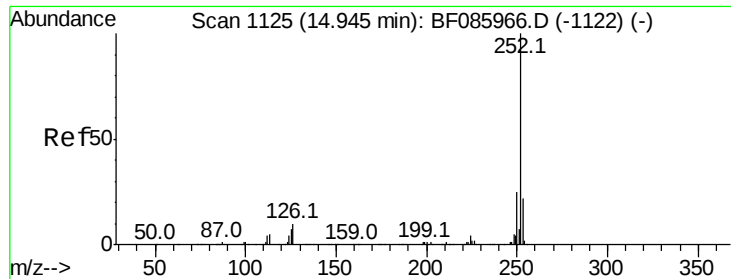
Sohil
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF086118.D
Acq: 7 Apr 2016 00:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	28.7	19.4	29.2
265	26.4	17.2	25.8#





#87

Benzo(b)fluoranthene

Concen: 26.23 ng m

RT: 14.91 min Scan# 1122

Delta R.T. -0.03 min

Lab File: BF086118.D

Acq: 7 Apr 2016 00:50

Instrument :

BNA_F

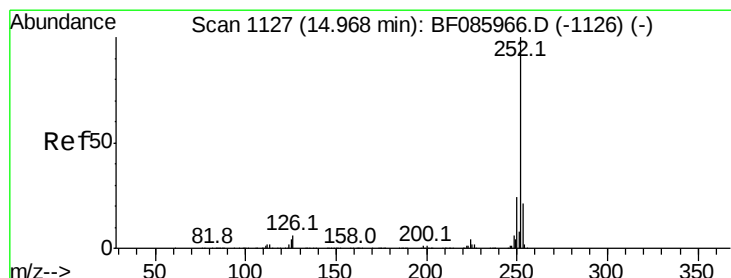
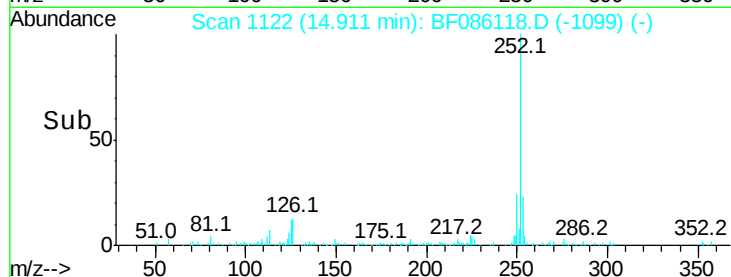
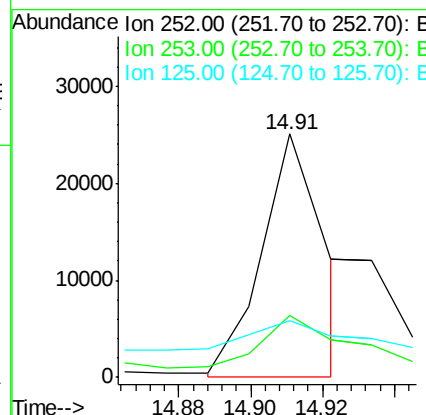
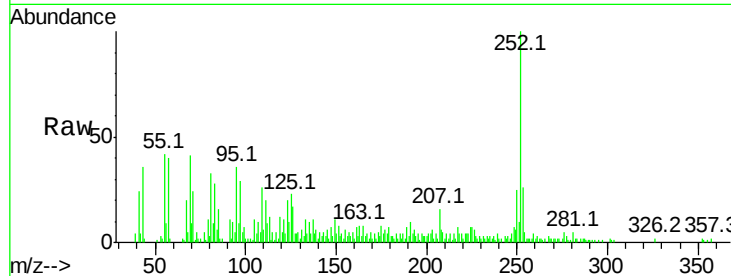
ClientSampleId :

TEC-B2COMP

Tot Ion:	252	Resp:	30522
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.6	26.4
125	23.4	10.3	15.5#

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#88

Benzo(k)fluoranthene

Concen: 11.87 ng m

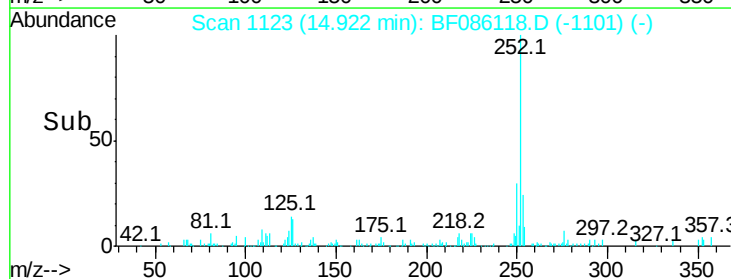
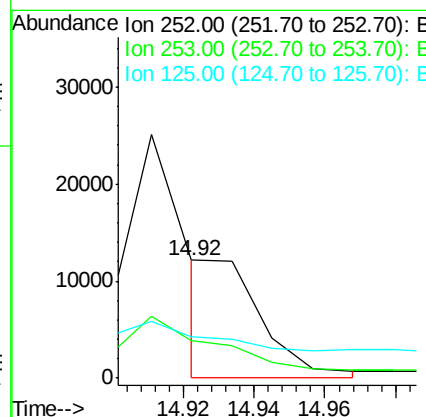
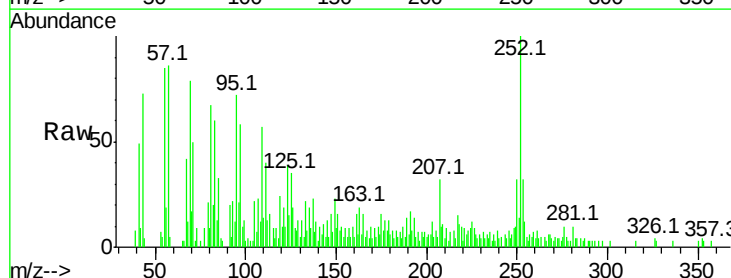
RT: 14.92 min Scan# 1123

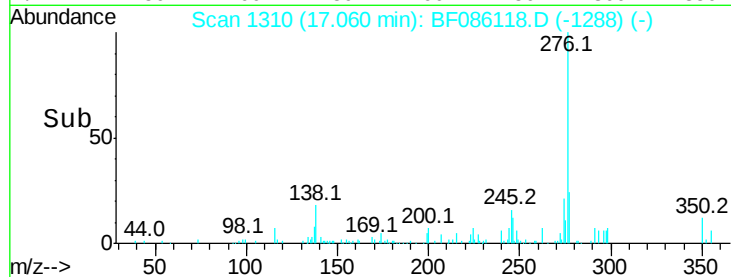
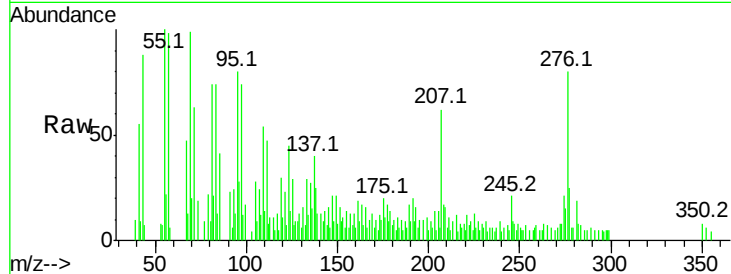
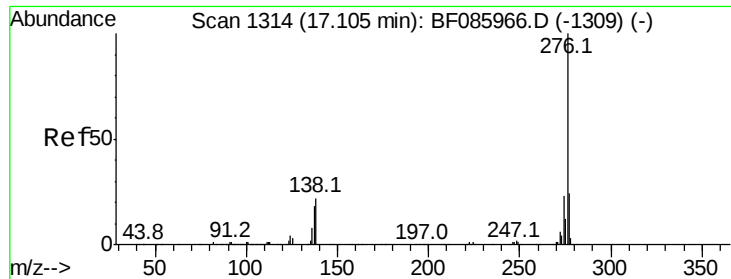
Delta R.T. -0.05 min

Lab File: BF086118.D

Acq: 7 Apr 2016 00:50

Tgt Ion:	252	Resp:	12234
Ion Ratio	Lower	Upper	
252	100		
253	31.9	17.8	26.6#
125	35.1	7.7	11.5#





#91
 Benzo(a,h,i)perylene
 Concen: 16.17 ng
 RT: 17.06 min Scan# 1310
 Delta R.T. -0.05 min
 Lab File: BF086118.D
 Acq: 7 Apr 2016 00:50

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	31.2	18.8	28.2#	
138	31.5	22.6	34.0	

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2COMP

Manual Integrations
 APPROVED

Sohil
 4/7/2016 8:59:17 AM

