

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086892.D
 Acq On : 11 May 2016 10:25
 Operator : UM/SJ
 Sample : H2762-04DL3 400X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMP

Manual Integrations
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Quant Time: May 11 13:25:58 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	151641	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	588718	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	242461	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	385710	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	330999	20.00	ng	-0.01
86) Perylene-d12	15.20	264	278620	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	21974	2.45	ng	0.00
7) Phenol-d6	6.36	99	29216	2.44	ng	0.00
23) Nitrobenzene-d5	7.25	82	21139	1.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	3145	1.23	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	44485	3.08	ng	-0.01
78) Terphenyl-d14	12.77	244	28343	1.82	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.01	128	4226703	143.34	ng	97
37) 2-Methylnaphthalene	8.68	142	441969	25.64	ng	97
45) 1,1'-Biphenyl	9.15	154	75468	3.91	ng	99
48) Acenaphthylene	9.58	152	227753	10.25	ng	97
51) Acenaphthene	9.76	154	110715	8.01	ng	98
57) Fluorene	10.26	166	154432	10.20	ng	98
70) Phenanthrene	11.22	178	487220	23.67	ng	100
71) Anthracene	11.28	178	142799	6.78	ng	98
74) Fluoranthene	12.41	202	176062	8.32	ng	92
77) Pyrene	12.62	202	261480	10.32	ng	99
80) Benzo(a)anthracene	13.81	228	91630m	4.93	ng	
82) Chrysene	13.85	228	56997	3.02	ng	98
87) Benzo(b)fluoranthene	14.82	252	46928m	2.59	ng	
88) Benzo(k)fluoranthene	14.82	252	66356	4.48	ng	# 97
89) Benzo(a)pyrene	15.14	252	56081m	3.59	ng	
91) Benzo(g,h,i)perylene	16.88	276	26820m	2.01	ng	

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

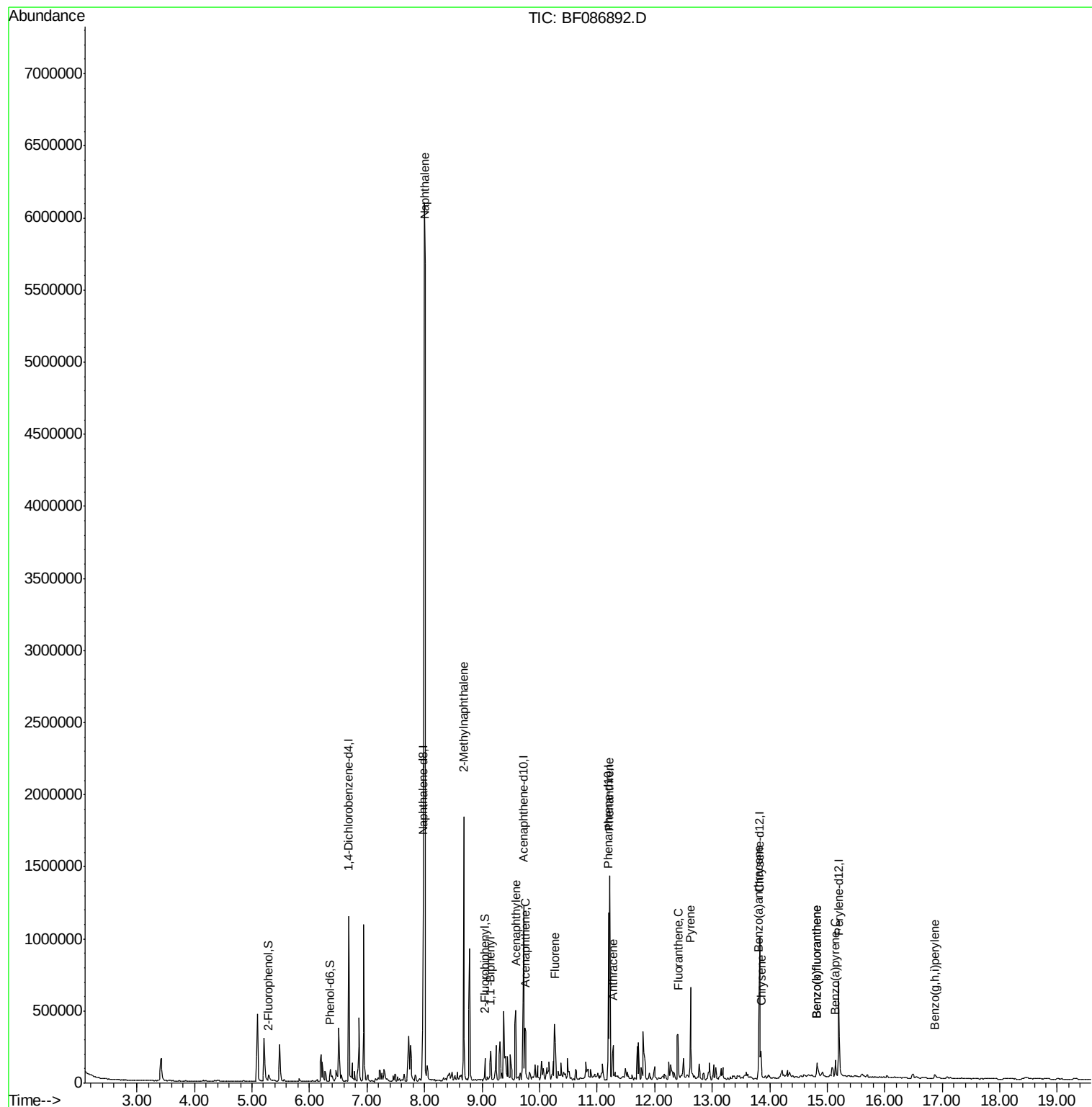
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
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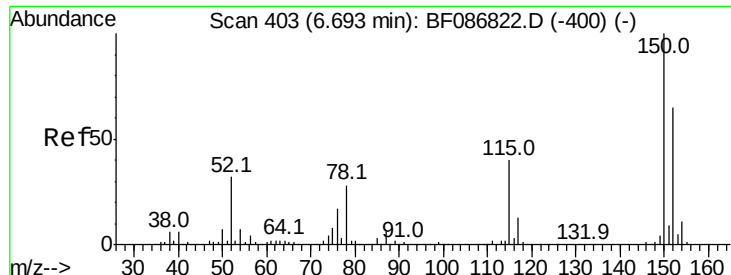
Instrument :
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TEC-B3COMP

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Quant Time: May 11 13:25:58 2016
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#1

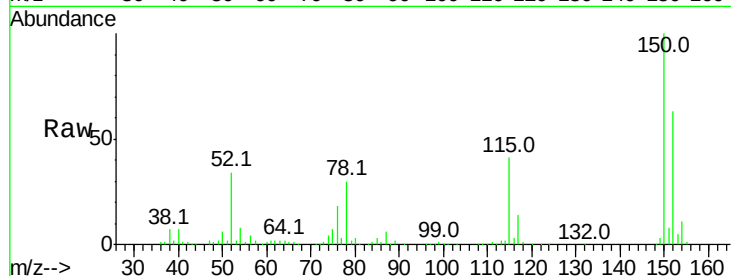
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 402
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	125.8	188.6
115	65.9	51.5	77.3

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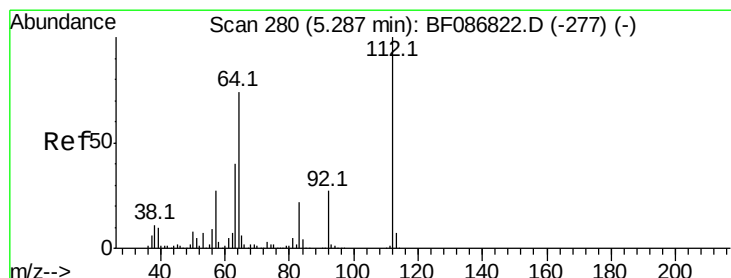
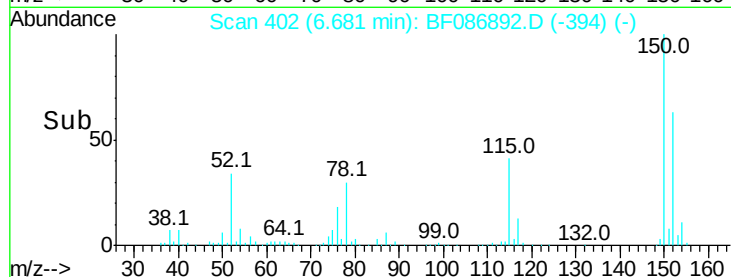
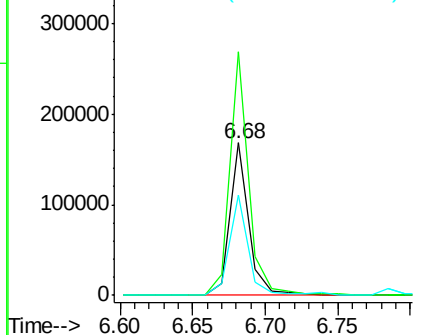


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

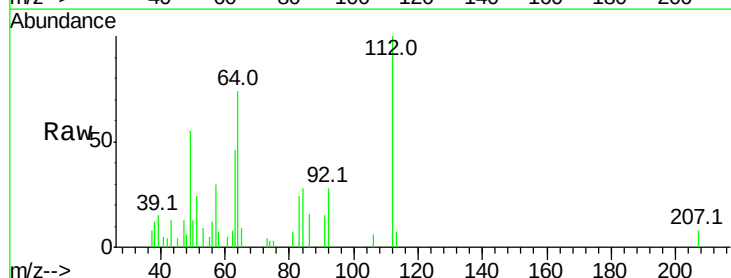
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 2.45 ng
RT: 5.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.6	52.1	78.1
63	45.5	25.7	38.5#

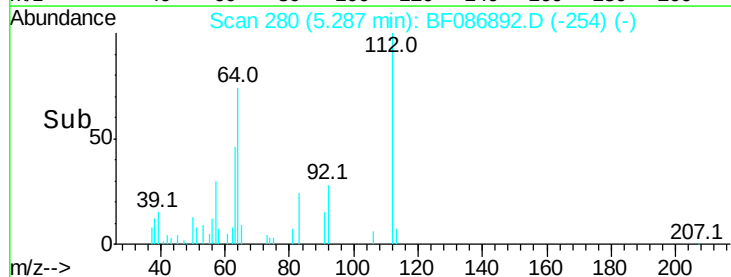
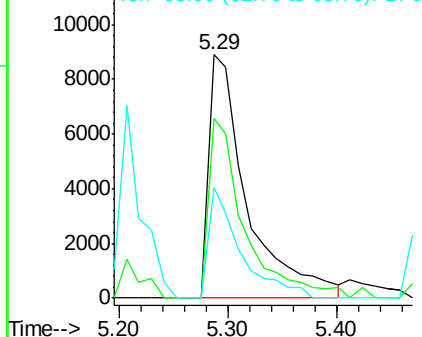


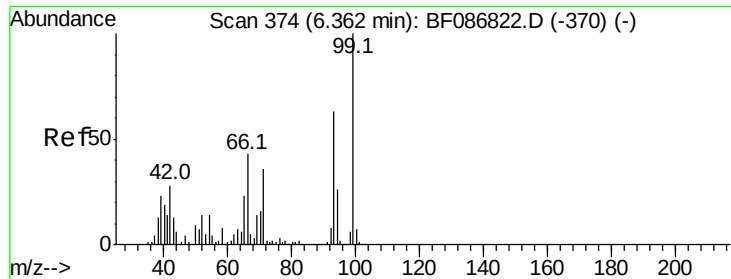
Abundance

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: 2.44 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.00 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :

BNA_F

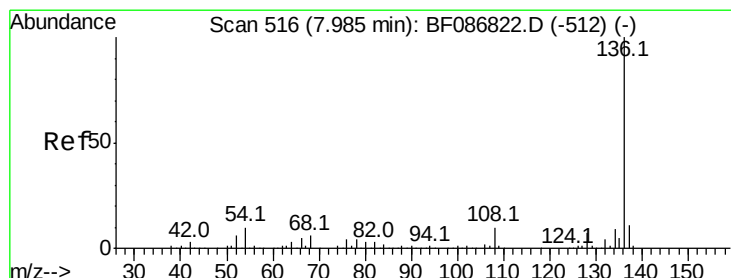
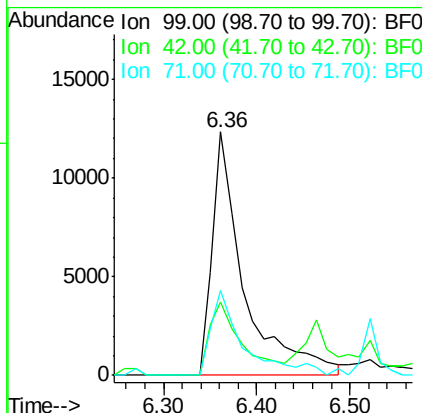
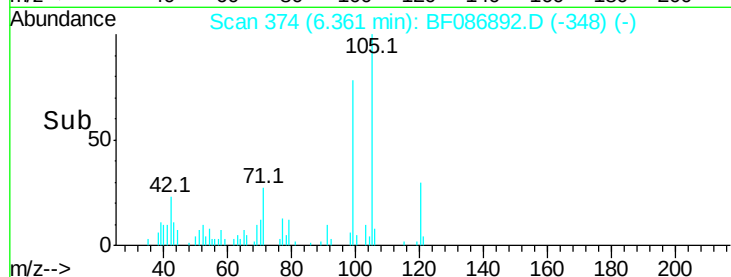
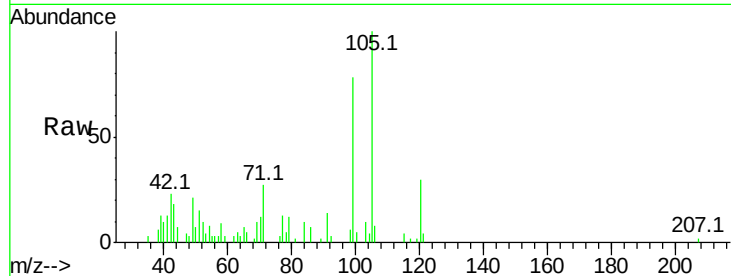
ClientSampleId :

TEC-B3COMP

Tot Ion:	99	Resp:	29216
Ion Ratio	Lower	Upper	
99	100		
42	29.9	13.6	20.4#
71	35.0	24.6	36.8

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#21

Naphthalene-d8

Concen: 20.00 ng

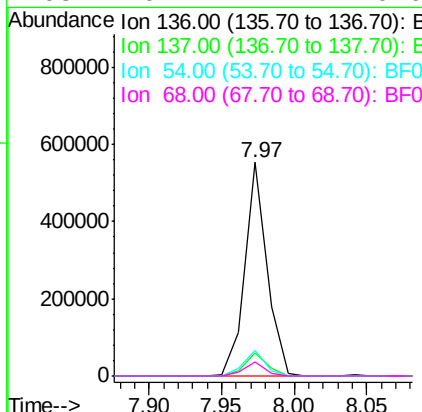
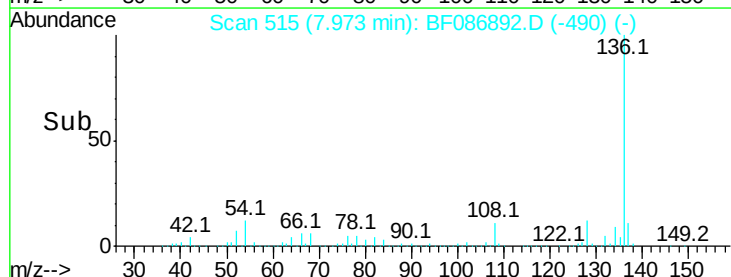
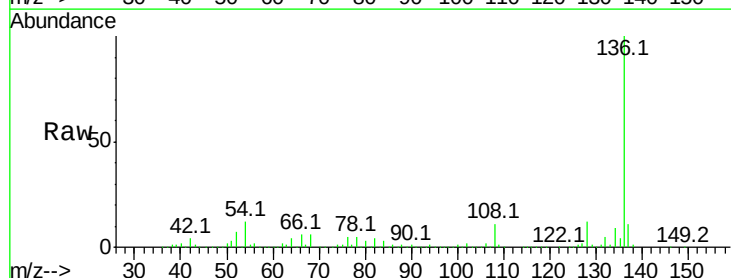
RT: 7.97 min Scan# 515

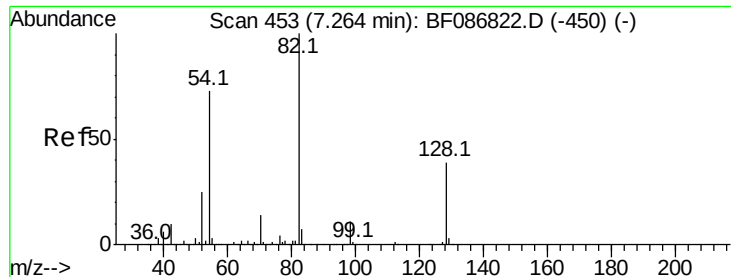
Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Tgt Ion:	136	Resp:	588718
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	12.0	5.0	7.4#
68	6.4	4.4	6.6





#23

Nitrobenzene-d5

Concen: 1.80 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :

BNA_F

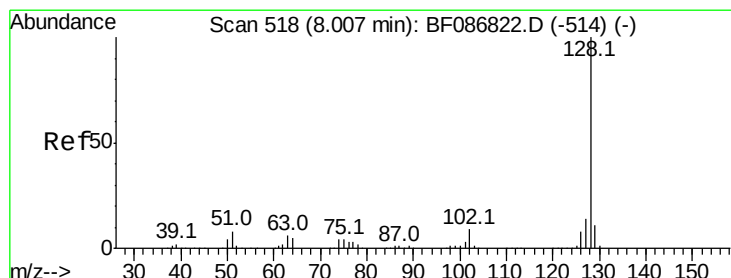
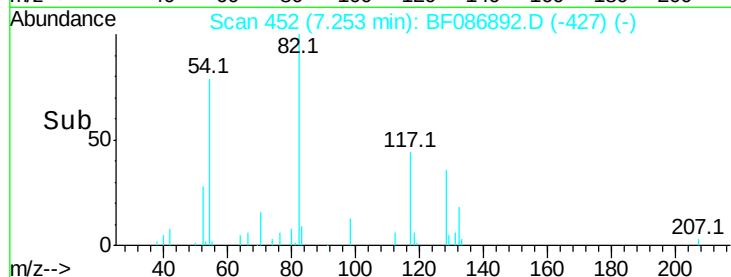
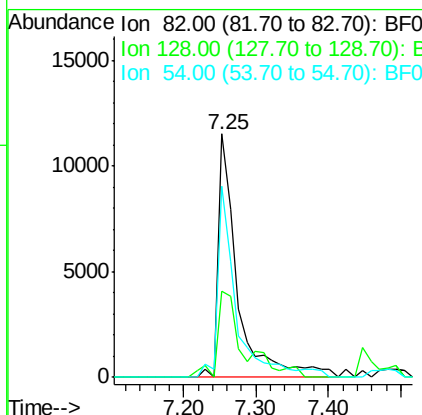
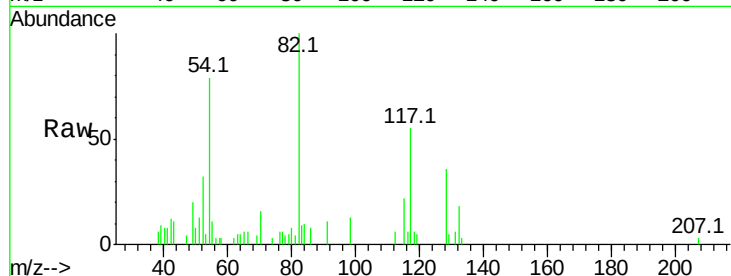
ClientSampleId :

TEC-B3COMP

Tot Ion:	82	Resp:	21139
Ion Ratio	Lower	Upper	
82	100		
128	35.6	40.6	61.0#
54	78.7	38.1	57.1#

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#31

Naphthalene

Concen: 143.34 ng

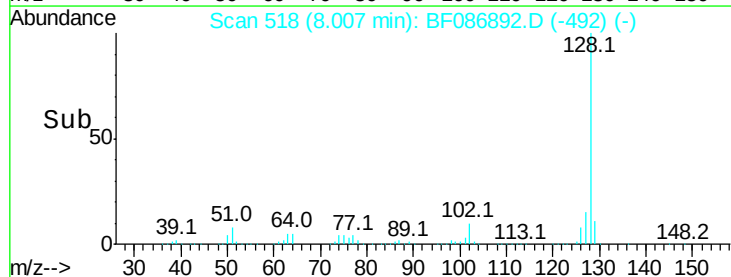
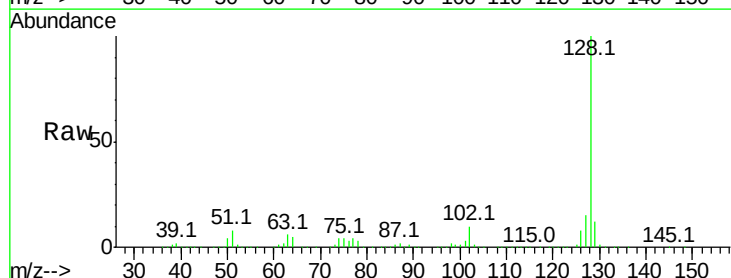
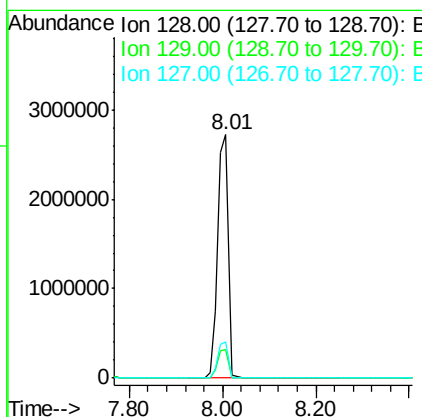
RT: 8.01 min Scan# 518

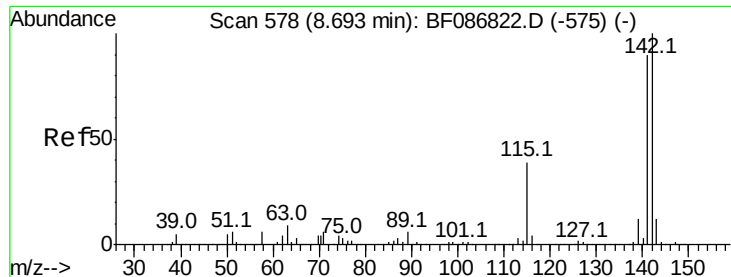
Delta R.T. -0.00 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Tgt Ion:	128	Resp:	4226703
Ion Ratio	Lower	Upper	
128	100		
129	11.7	8.6	13.0
127	14.7	10.8	16.2





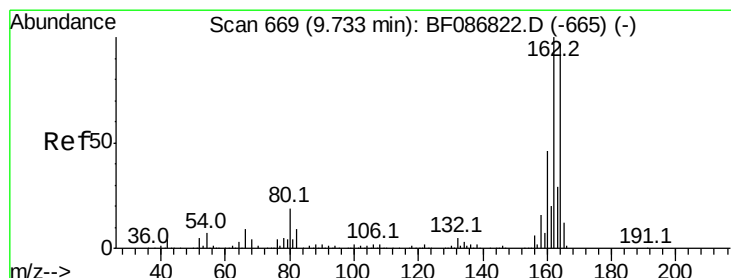
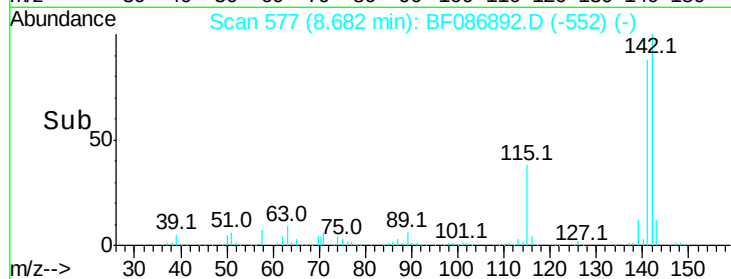
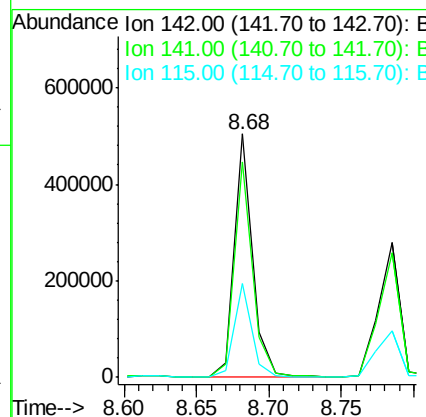
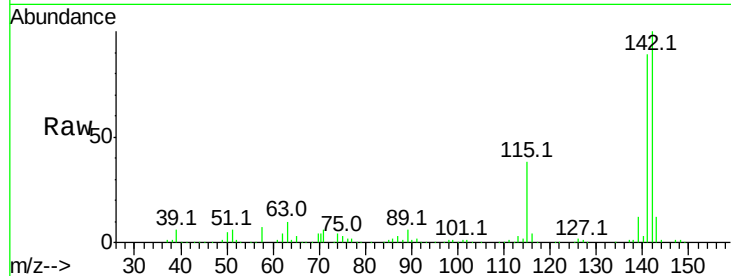
#37
 2-Methylnaphthalene
 Concen: 25.64 ng
 RT: 8.68 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: BF086892.D
 Acq: 11 May 2016 10:25

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMP

Tot Ion:	142	Resp:	441969
Ion Ratio	Lower	Upper	
142	100		
141	88.5	71.0	106.6
115	38.4	26.6	39.8

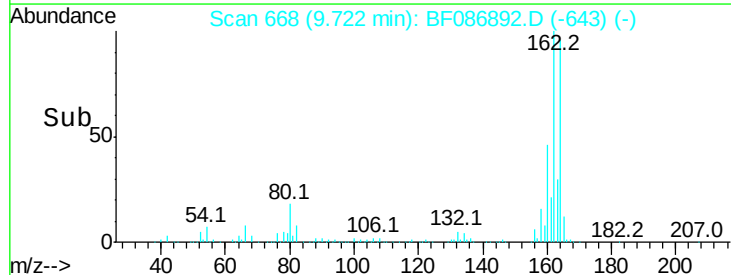
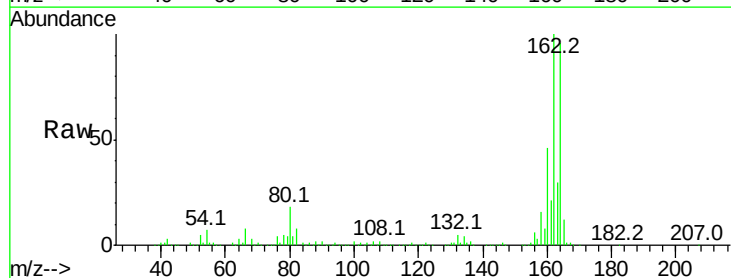
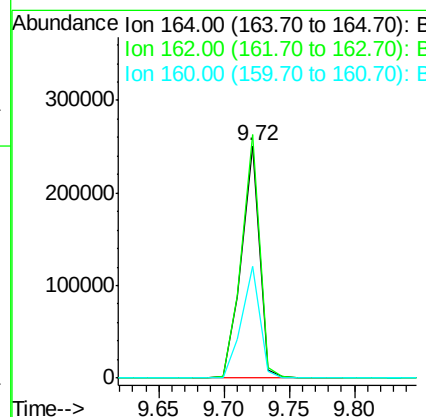
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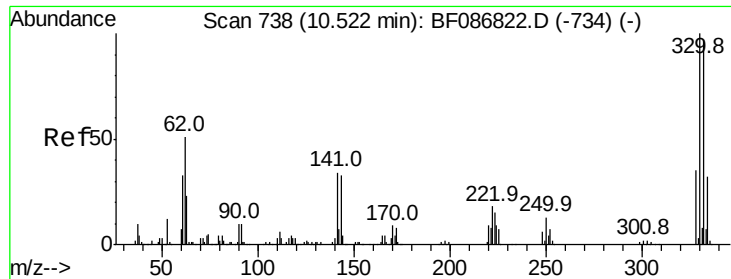
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.72 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF086892.D
 Acq: 11 May 2016 10:25

Tgt Ion:	164	Resp:	242461
Ion Ratio	Lower	Upper	
164	100		
162	104.6	82.8	124.2
160	47.9	36.9	55.3





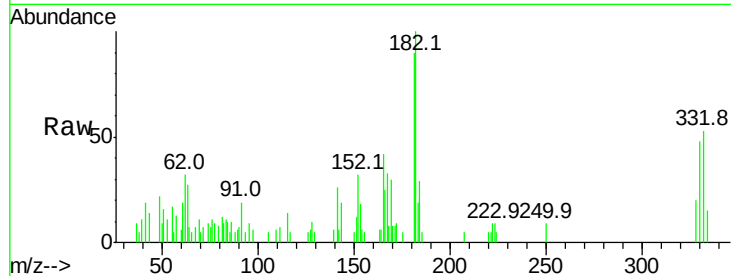
#41
 2,4,6-Tribromophenol
 Concen: 1.23 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: BF086892.D
 Acq: 11 May 2016 10:25

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	109.5	79.0	118.4
141	77.5	31.2	46.8

Manual Integrations
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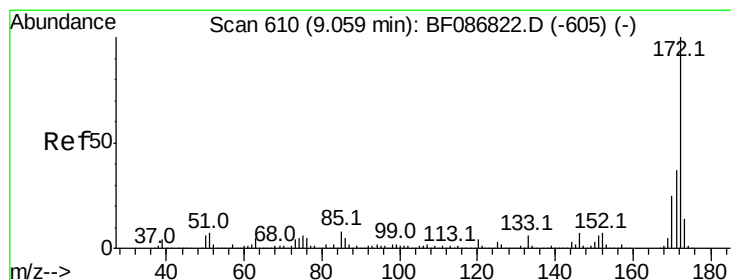
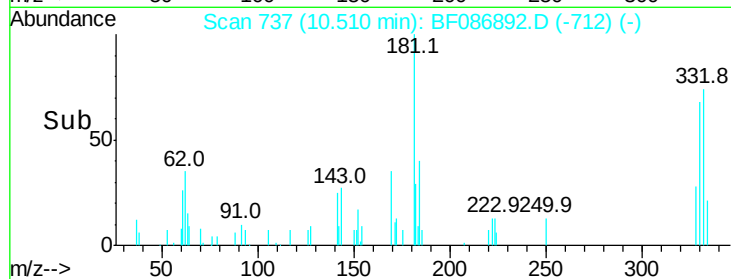
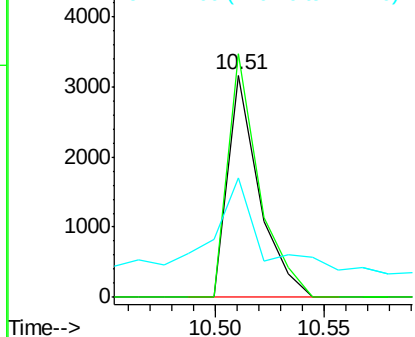


Abundance

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: 3.08 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF086892.D
 Acq: 11 May 2016 10:25

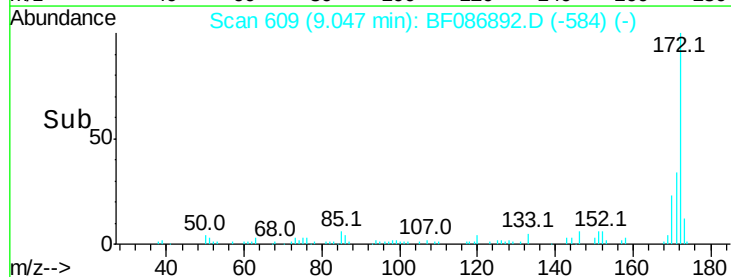
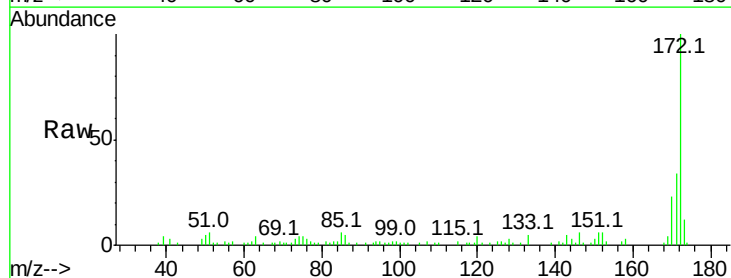
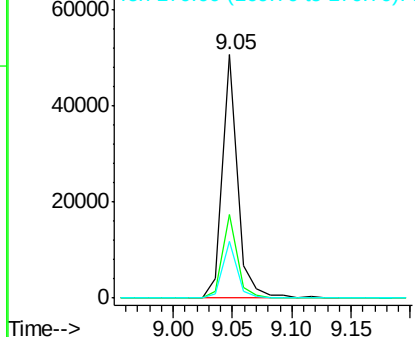
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.0	43.6
170	23.2	19.8	29.8

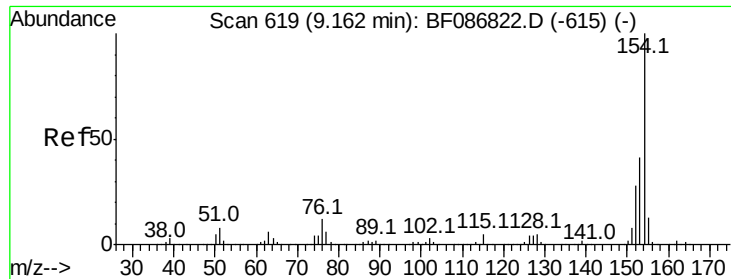
Abundance

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





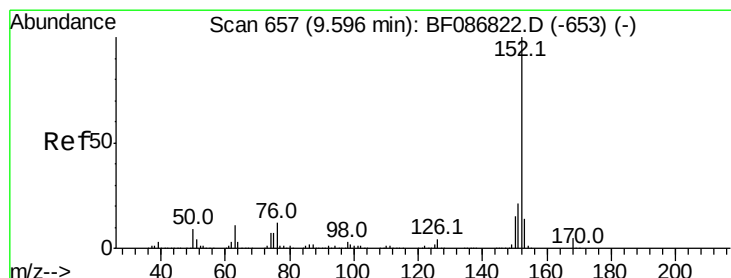
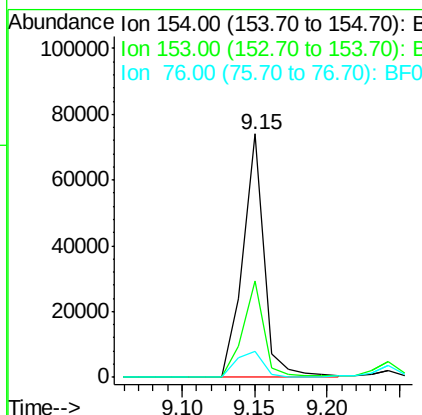
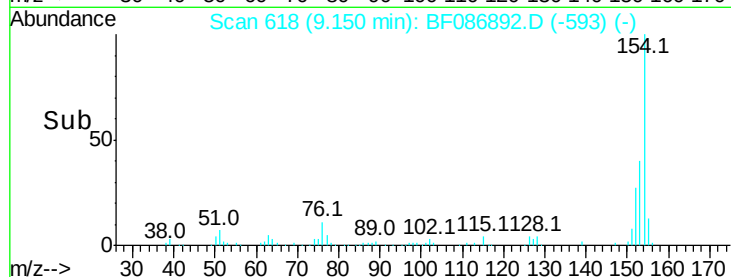
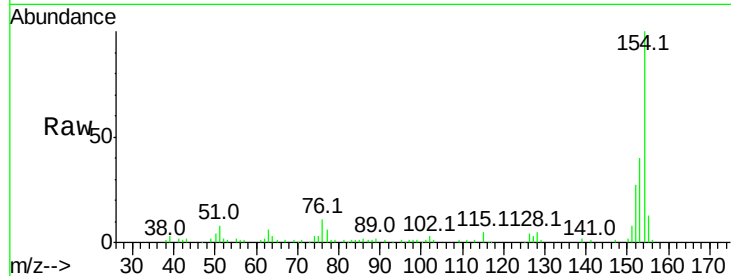
#45
 1,1'-Biphenyl
 Concen: 3.91 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF086892.D
 Acq: 11 May 2016 10:25

Instrument :
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 ClientSampleId :
 TEC-B3COMP

Tot Ion:	154	Resp:	75468
Ion Ratio	Lower	Upper	
154	100		
153	39.8	20.3	60.3
76	10.9	0.0	30.2

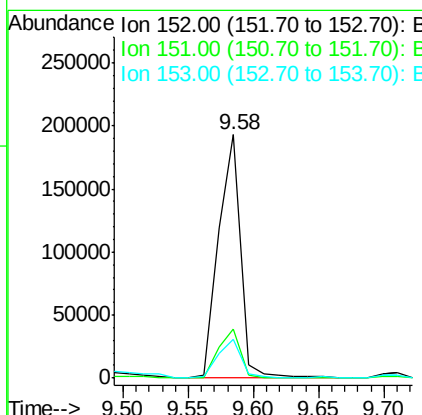
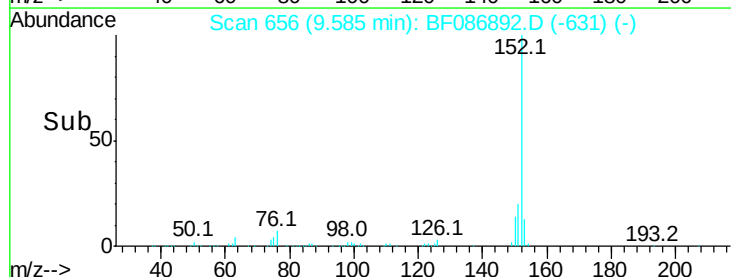
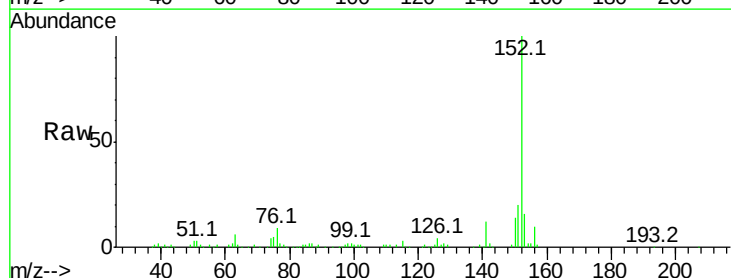
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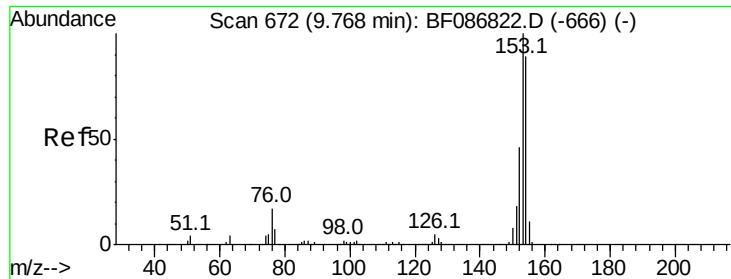
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#48
 Acenaphthylene
 Concen: 10.25 ng
 RT: 9.58 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: BF086892.D
 Acq: 11 May 2016 10:25

Tgt Ion:	152	Resp:	227753
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.8	25.2
153	15.7	10.9	16.3





#51

Acenaphthene

Concen: 8.01 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :

BNA_F

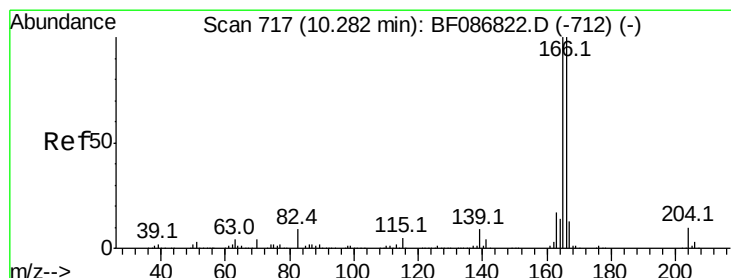
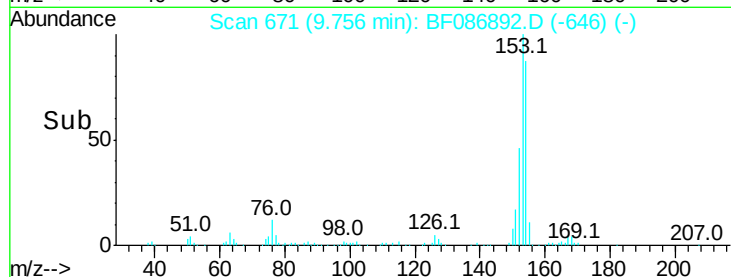
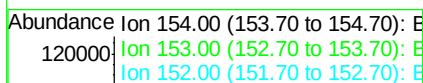
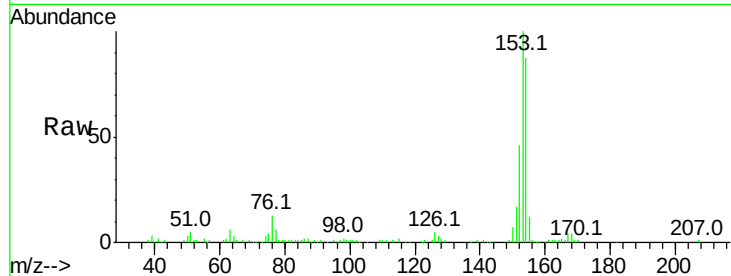
ClientSampleId :

TEC-B3COMP

Tot Ion:	154	Resp:	110715
Ion Ratio	Lower	Upper	
154	100		
153	114.4	89.8	134.6
152	53.1	43.4	65.0

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#57

Fluorene

Concen: 10.20 ng

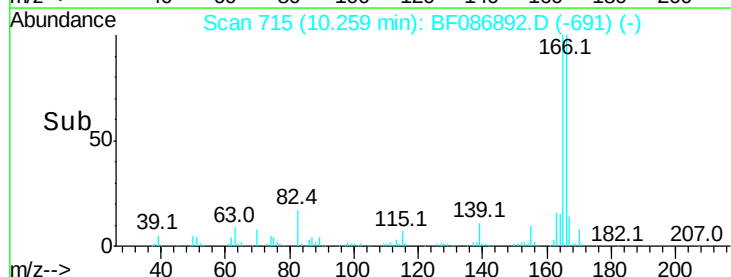
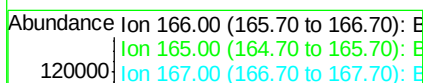
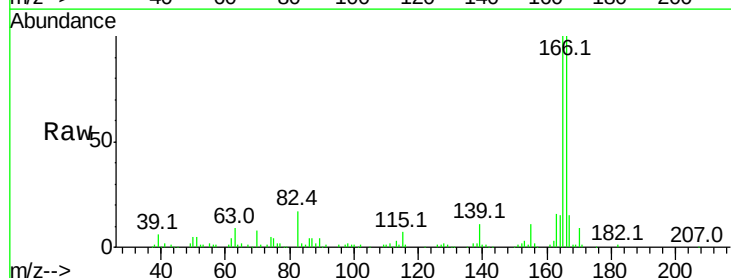
RT: 10.26 min Scan# 715

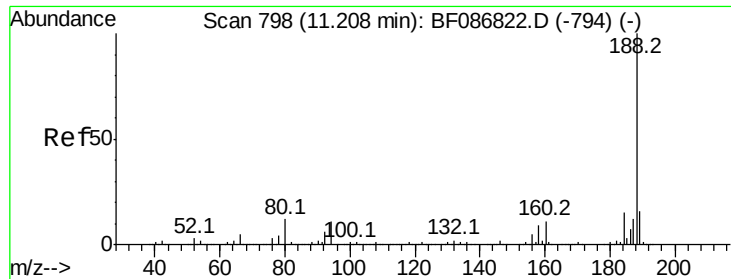
Delta R.T. -0.02 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Tgt Ion:	166	Resp:	154432
Ion Ratio	Lower	Upper	
166	100		
165	100.3	79.0	118.6
167	14.6	10.6	15.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :

BNA_F

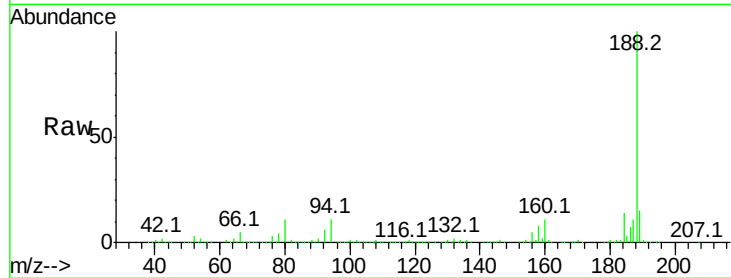
ClientSampleId :

TEC-B3COMP

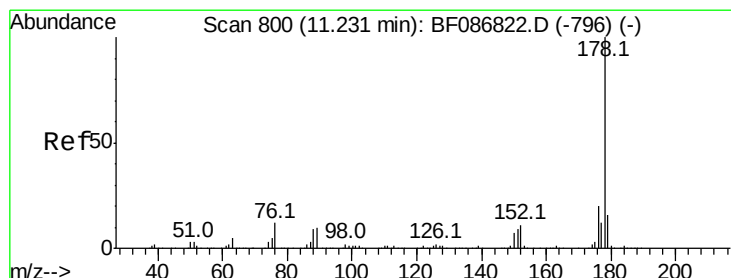
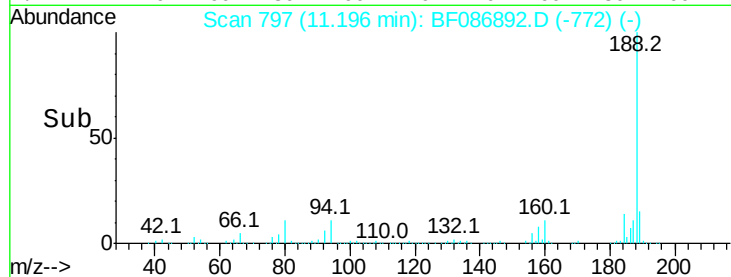
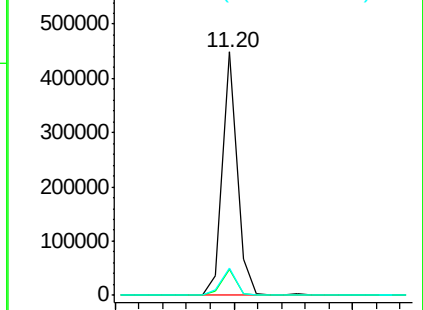
Tot Ion:	188	Resp:	385710
Ion Ratio	Lower	Upper	
188	100		
94	10.5	6.8	10.2#
80	11.2	7.1	10.7#

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Abundance Ion 188.00 (187.70 to 188.70): E



#70

Phenanthrene

Concen: 23.67 ng

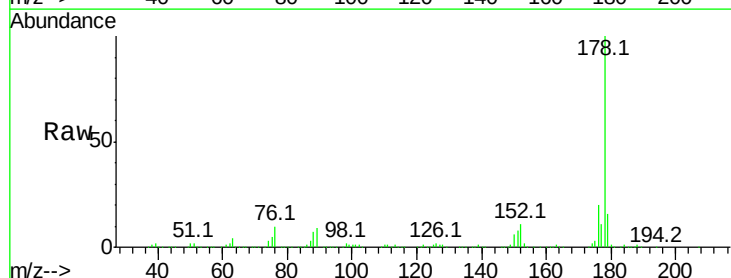
RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

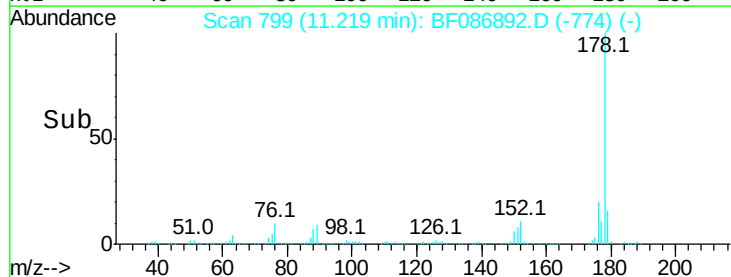
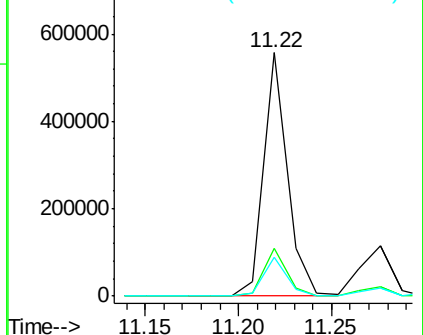
Lab File: BF086892.D

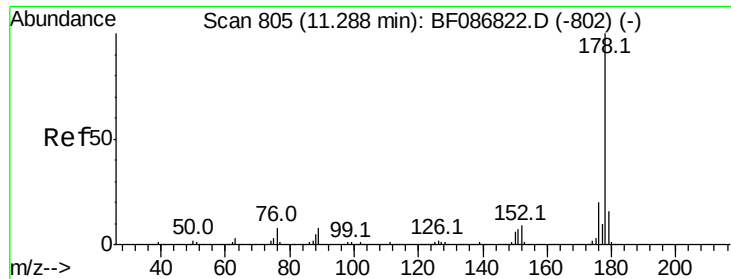
Acq: 11 May 2016 10:25

Tgt Ion:	178	Resp:	487220
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.0	24.0
179	15.7	12.6	18.8



Abundance Ion 178.00 (177.70 to 178.70): E





#71

Anthracene

Concen: 6.78 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :

BNA_F

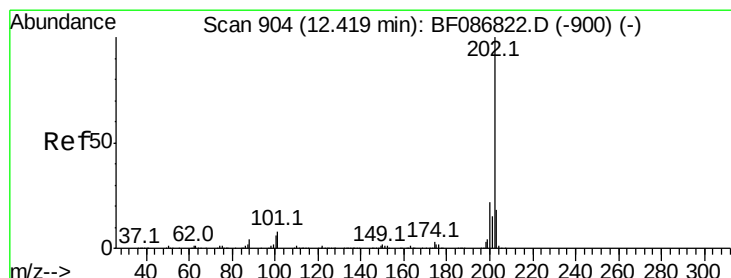
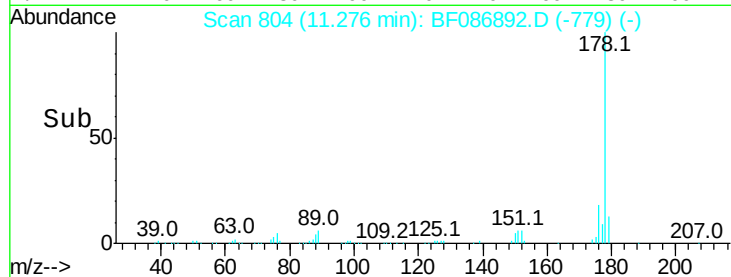
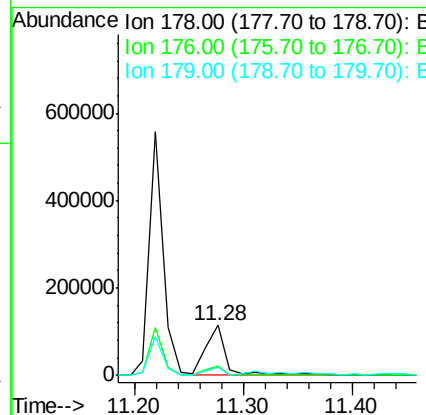
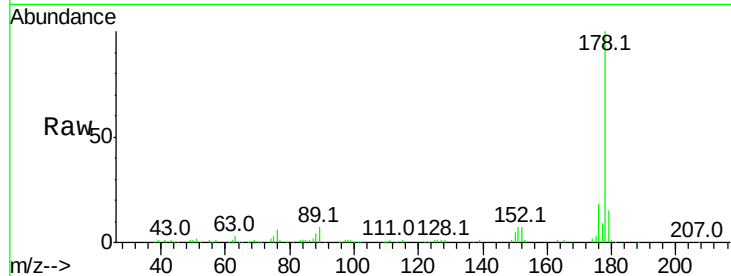
ClientSampleId :

TEC-B3COMP

Tot Ion:	178	Resp:	142799
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.6	23.4
179	15.2	12.7	19.1

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#74

Fluoranthene

Concen: 8.32 ng

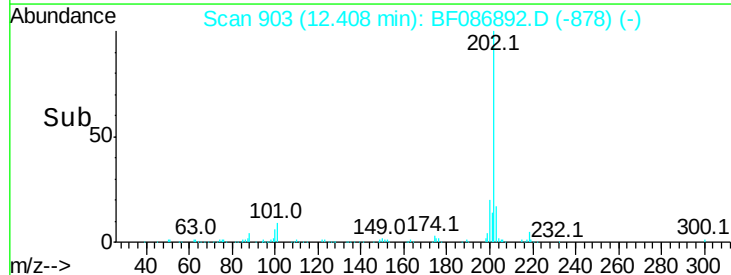
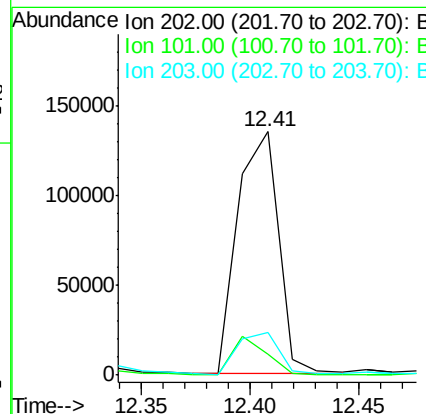
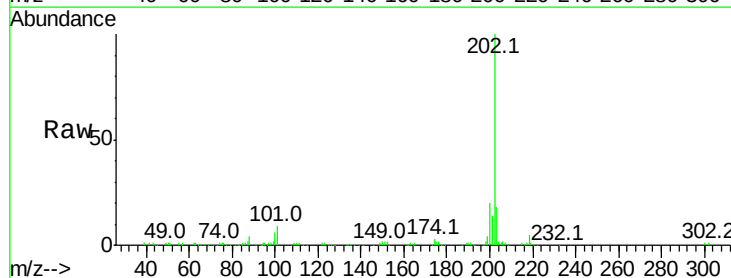
RT: 12.41 min Scan# 903

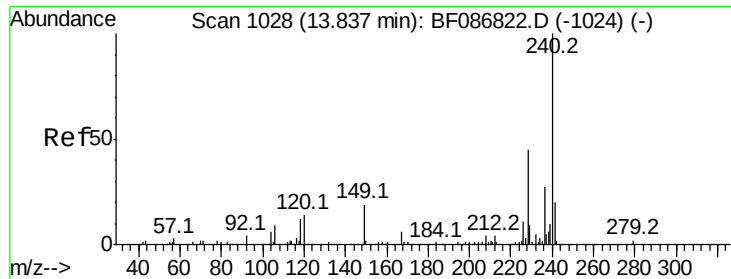
Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Tgt Ion:	202	Resp:	176062
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	35.4
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :

BNA_F

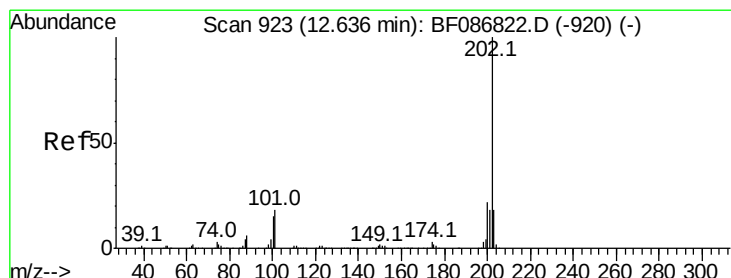
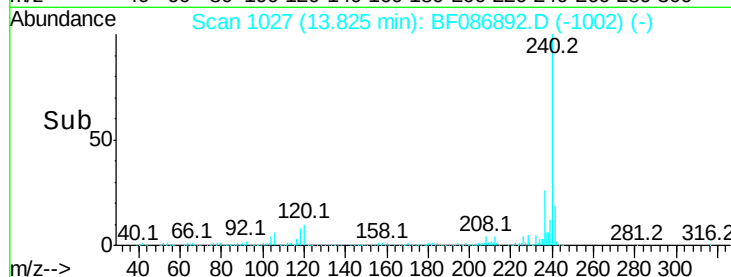
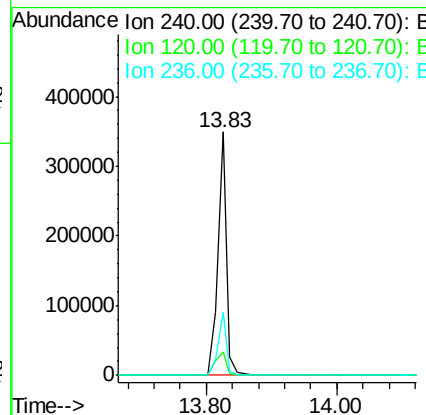
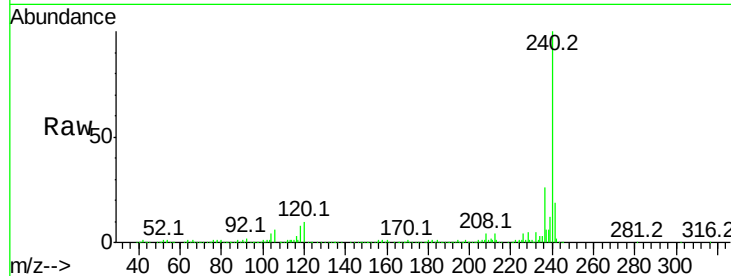
ClientSampleId :

TEC-B3COMP

Tot Ion:	240	Resp:	330999
Ion Ratio	Lower	Upper	
240	100		
120	9.8	11.2	16.8#
236	25.9	21.2	31.8

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#77

Pyrene

Concen: 10.32 ng

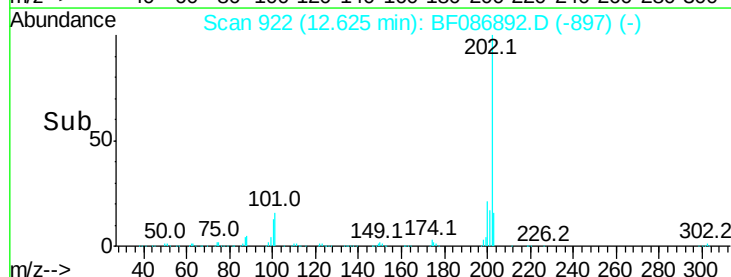
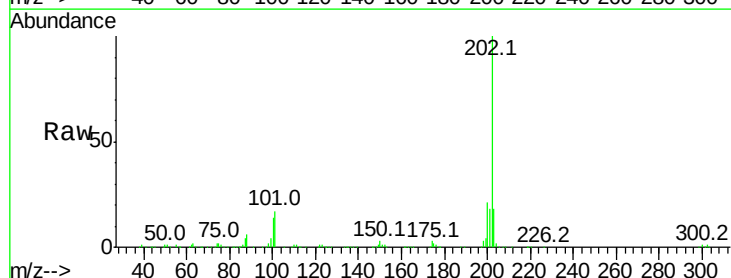
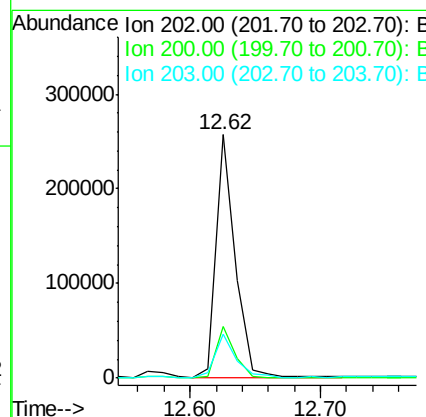
RT: 12.62 min Scan# 922

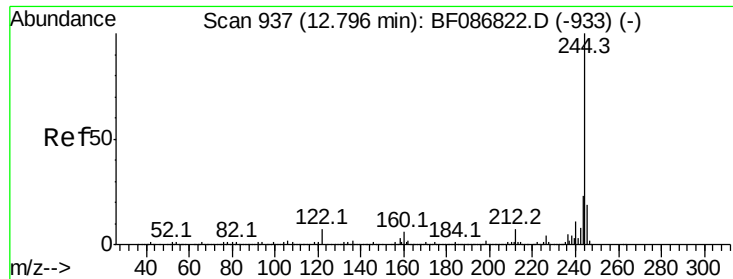
Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Tgt Ion:	202	Resp:	261480
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	17.8	14.2	21.4





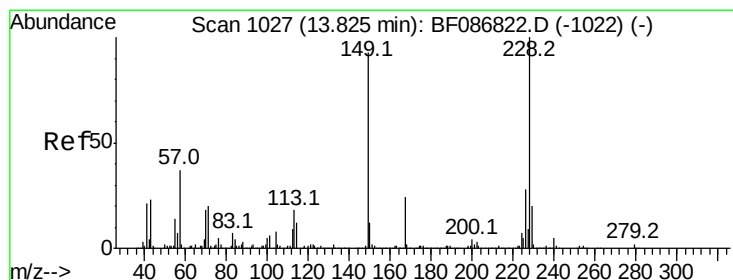
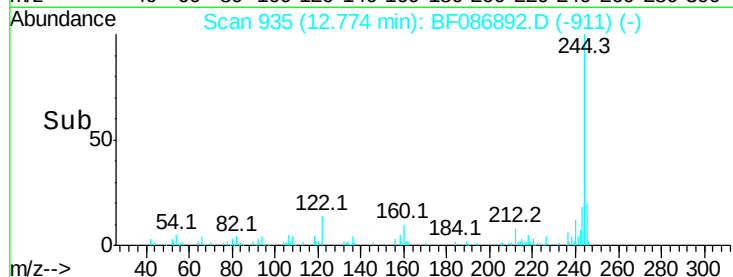
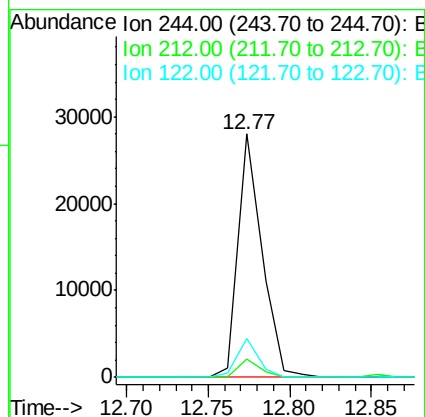
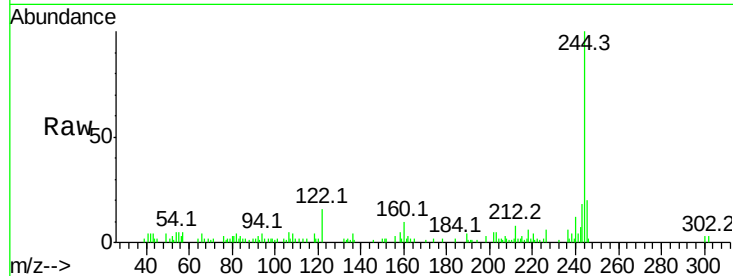
#78
 Terphenyl-d14
 Concen: 1.82 ng
 RT: 12.77 min Scan# 935
 Delta R.T. -0.02 min
 Lab File: BF086892.D
 Acq: 11 May 2016 10:25

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	15.8	12.0	18.0

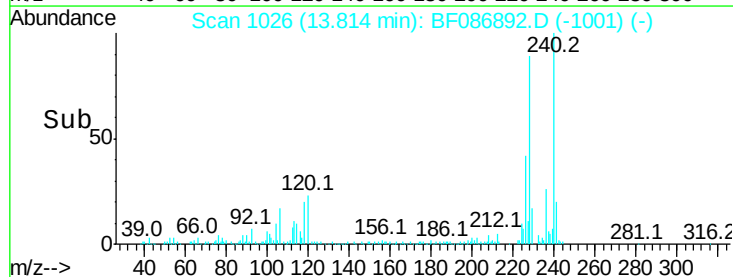
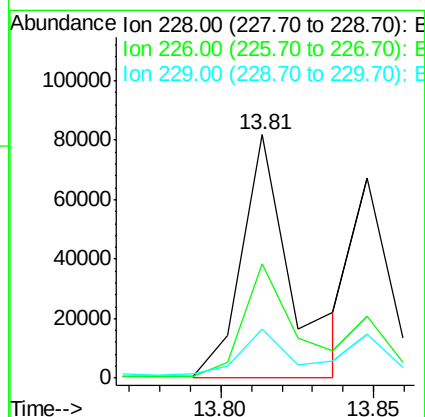
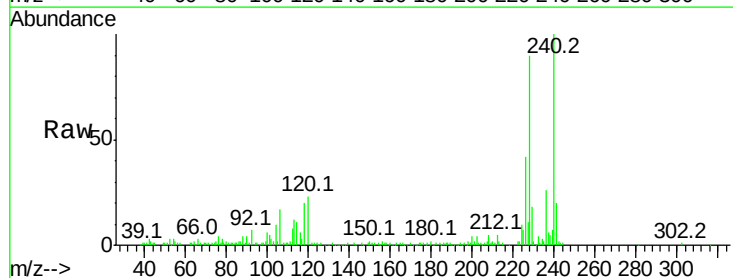
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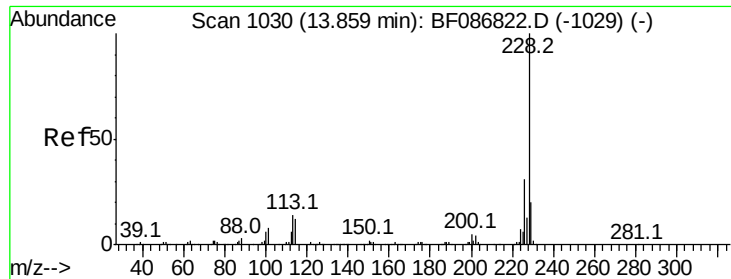
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#80
 Benzo(a)anthracene
 Concen: 4.93 ng m
 RT: 13.81 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BF086892.D
 Acq: 11 May 2016 10:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	47.0	22.5	33.7#
229	20.2	16.6	25.0





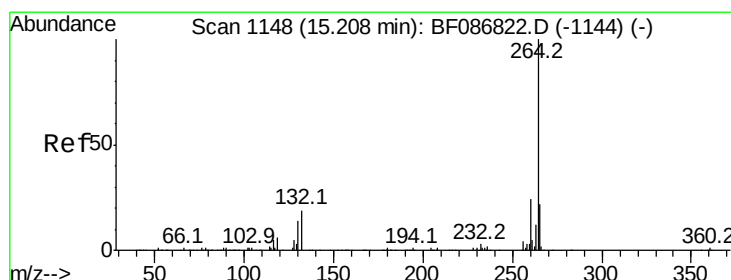
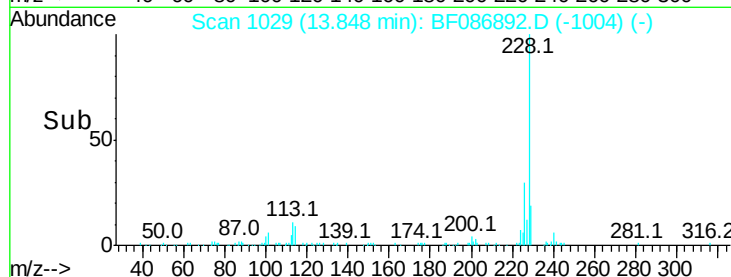
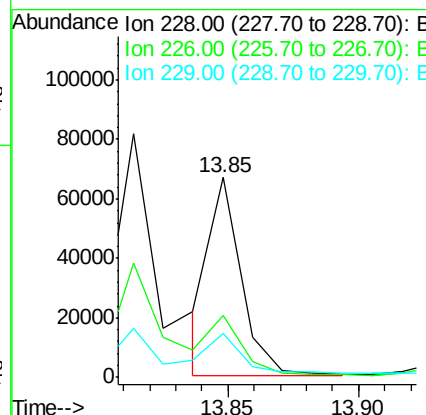
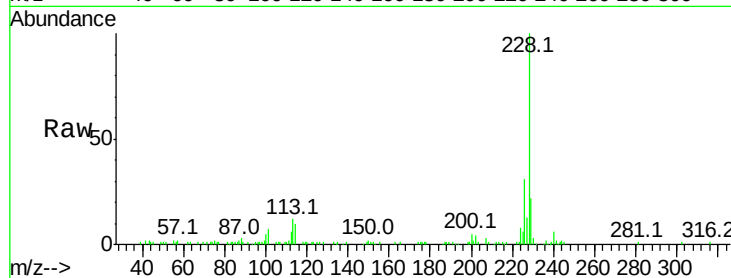
#82
Chrysene
Concen: 3.02 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMP

Tot Ion:	228	Resp:	56997
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.4	36.6
229	21.8	15.8	23.8

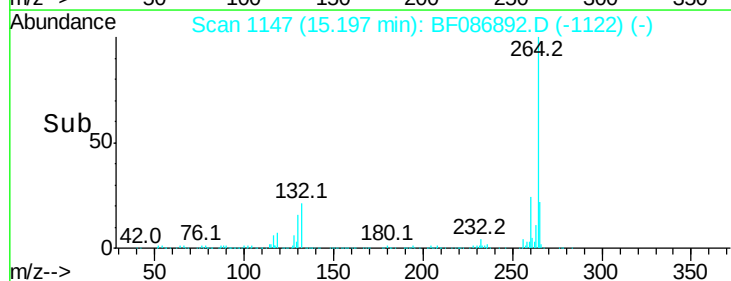
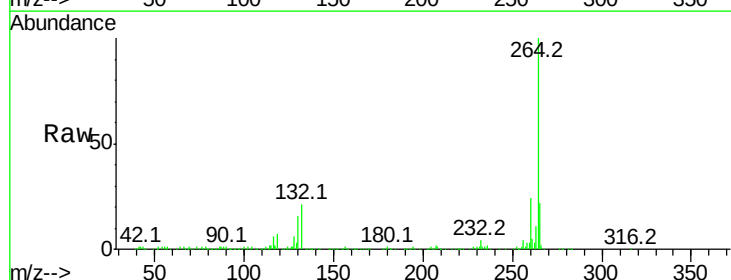
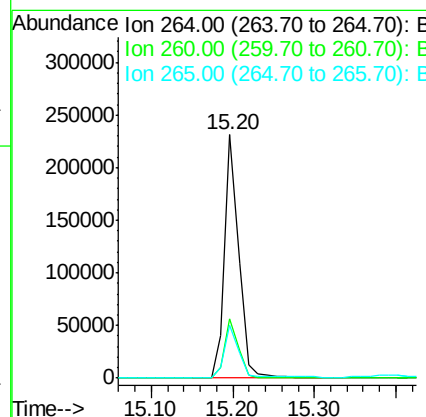
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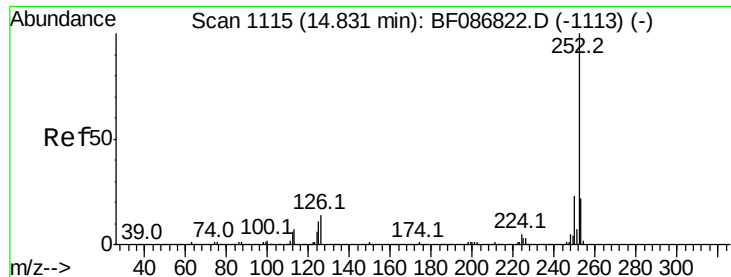
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion:	264	Resp:	278620
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.5	29.3
265	21.9	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 2.59 ng

RT: 14.82 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Instrument :

BNA_F

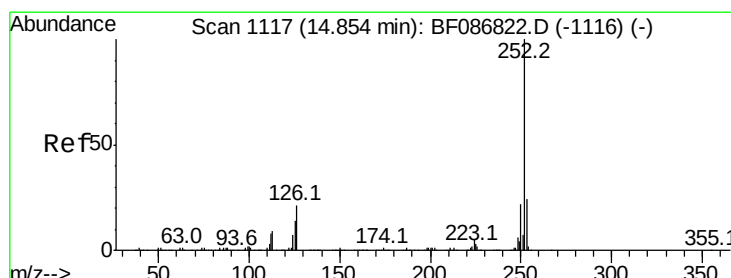
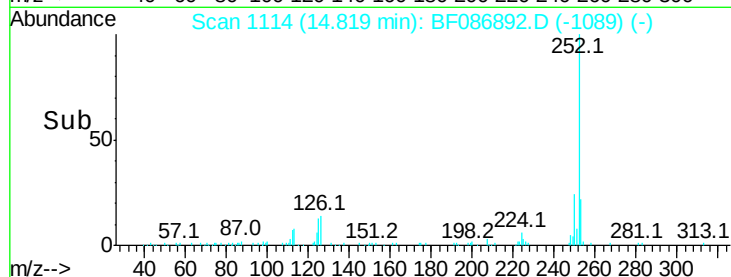
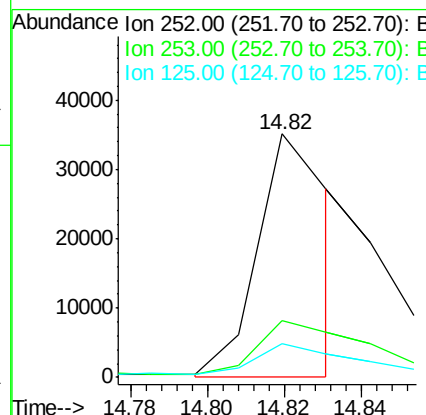
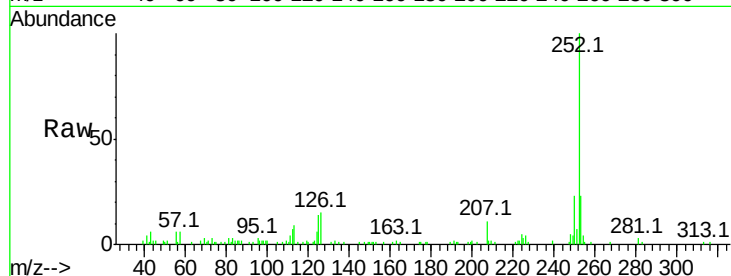
ClientSampleId :

TEC-B3COMP

Tot Ion:	252	Resp:	46928
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.6
125	13.7	11.4	17.0

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#88

Benzo(k)fluoranthene

Concen: 4.48 ng

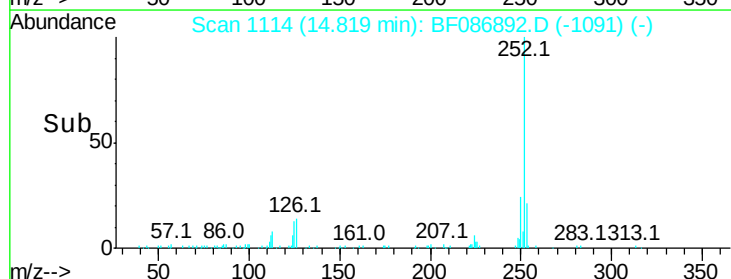
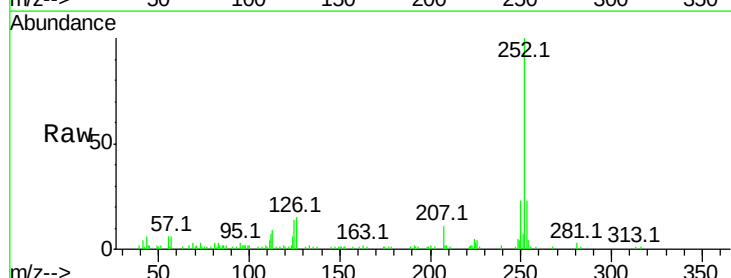
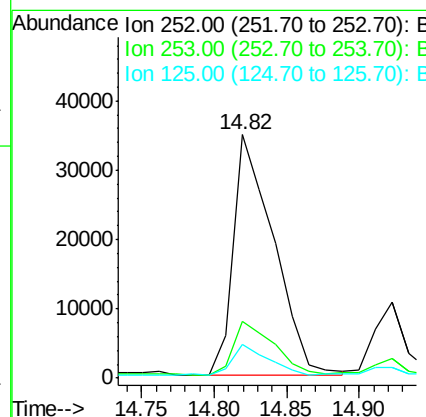
RT: 14.82 min Scan# 1114

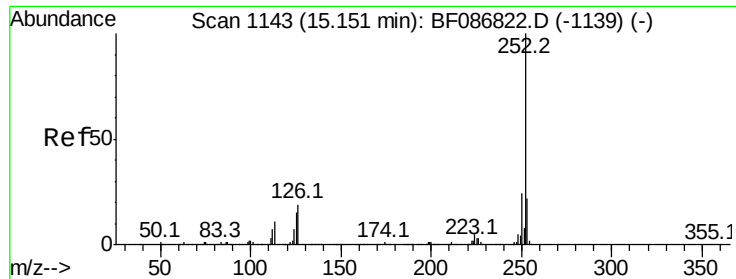
Delta R.T. -0.03 min

Lab File: BF086892.D

Acq: 11 May 2016 10:25

Tgt Ion:	252	Resp:	66356
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.6
125	13.7	9.1	13.7#





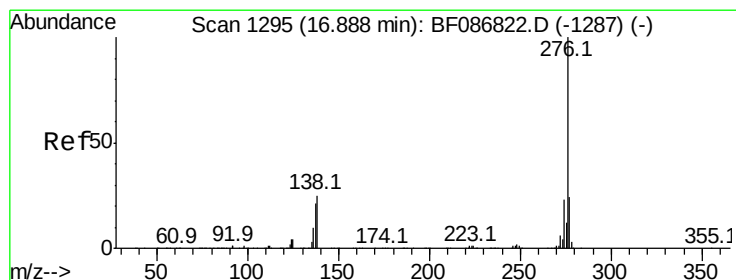
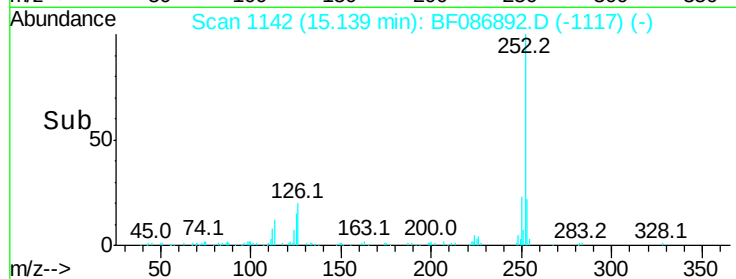
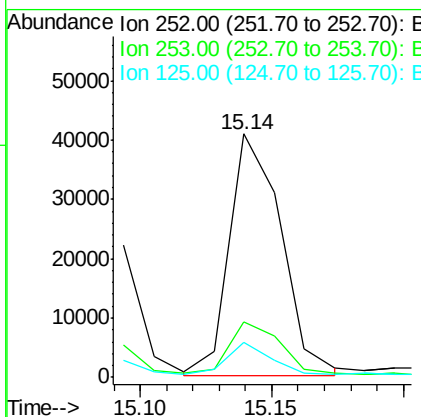
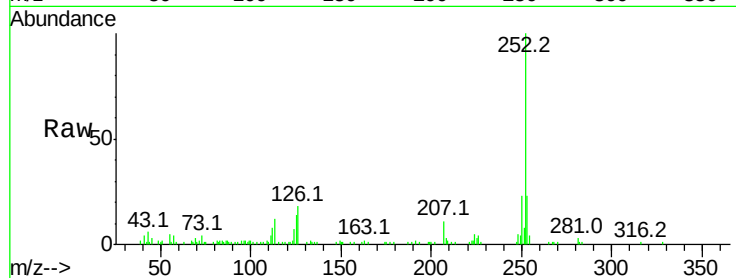
#89
Benzo(a)pyrene
Concen: 3.59 ng m
RT: 15.14 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMP

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.9	17.2	25.8
125	14.3	9.0	13.6

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#91
Benzo(g,h,i)perylene
Concen: 2.01 ng m
RT: 16.88 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF086892.D
Acq: 11 May 2016 10:25

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	22.3	19.6	29.4
138	21.4	23.6	35.4

