

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
 Data File : BF086053.D
 Acq On : 4 Apr 2016 22:38
 Operator : UM/SJ
 Sample : H2165-02 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2COMP

Manual Integrations
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Quant Time: Apr 05 03:41:38 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	6.76	152	10947	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	40126	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	17499	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	26675	20.00	ng	-0.01
75) Chrysene-d12	13.92	240	20924	20.00	ng	-0.01
86) Perylene-d12	15.32	264	16888	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	75885	118.49	ng	0.00
7) Phenol-d6	6.42	99	100848	123.97	ng	0.00
23) Nitrobenzene-d5	7.33	82	54809	80.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	15150	92.24	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	100990	95.96	ng	-0.01
78) Terphenyl-d14	12.87	244	69368	77.93	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.08	128	28172	13.96	ng	97
37) 2-Methylnaphthalene	8.76	142	7782	5.90	ng	96
48) Acenaphthylene	9.66	152	4302	2.46	ng	99
49) Dimethylphthalate	9.53	163	10742	8.28	ng	97
51) Acenaphthene	9.84	154	9024	8.66	ng	96
54) Dibenzofuran	10.01	168	10788	7.84	ng	97
57) Fluorene	10.35	166	13957	11.87	ng	96
70) Phenanthrene	11.31	178	85420	58.70	ng	97
71) Anthracene	11.36	178	26803	17.58	ng	98
72) Carbazole	11.53	167	10166	7.76	ng	97
74) Fluoranthene	12.50	202	85039	56.18	ng	90
77) Pvrene	12.73	202	70350	47.71	ng	99
79) Butylbenzylphthalate	13.35	149	3243	4.88	ng	# 70
80) Benzo(a)anthracene	13.91	228	33737	27.35	ng	94
82) Chrysene	13.94	228	24588	20.70	ng	# 93
85) Indeno(1,2,3-cd)pyrene	16.68	276	11102	11.52	ng	98
87) Benzo(b)fluoranthene	14.93	252	33004m	31.07	ng	
88) Benzo(k)fluoranthene	14.96	252	13852m	14.72	ng	
91) Benzo(a,h,i)perylene	17.11	276	11138	15.20	ng	# 79

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

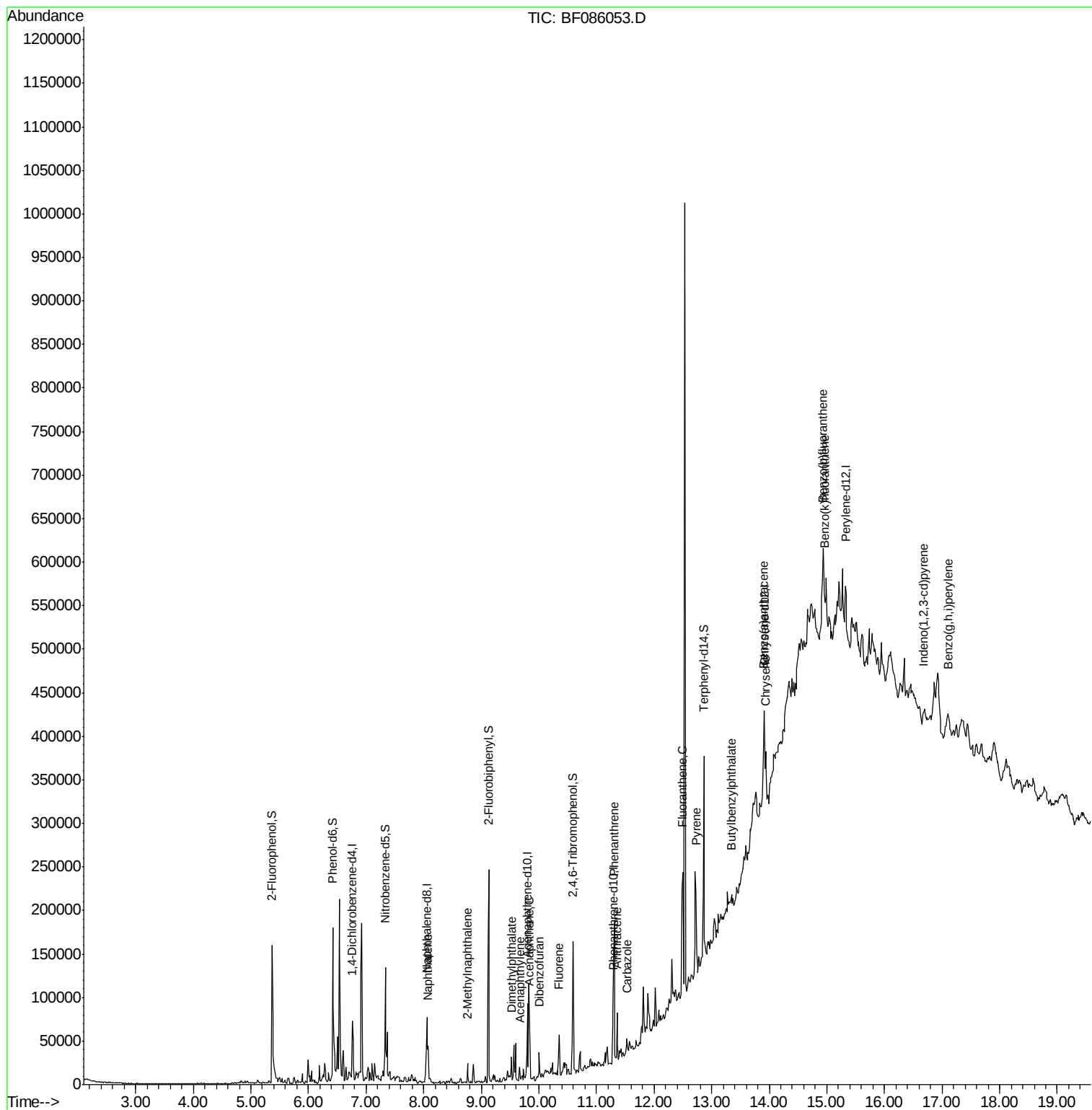
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
Data File : BF086053.D
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ALS Vial : 19 Sample Multiplier: 1

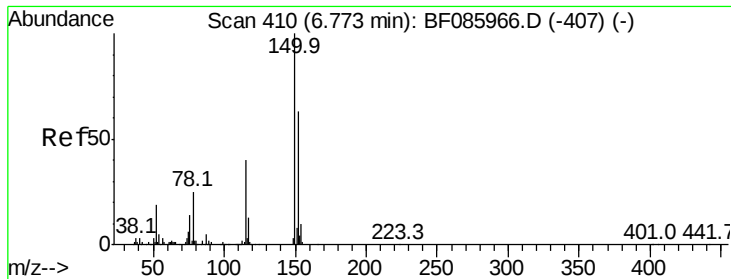
Instrument :
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ClientSampleId :
TEC-B2COMP

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Quant Time: Apr 05 03:41:38 2016
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#1

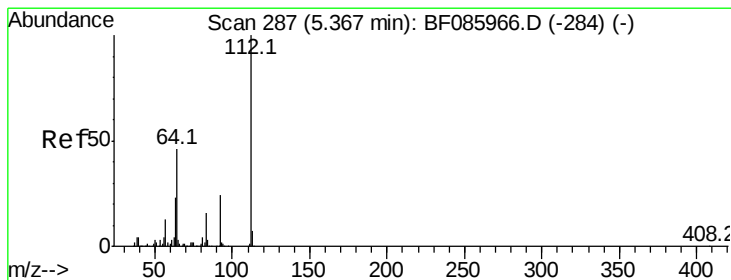
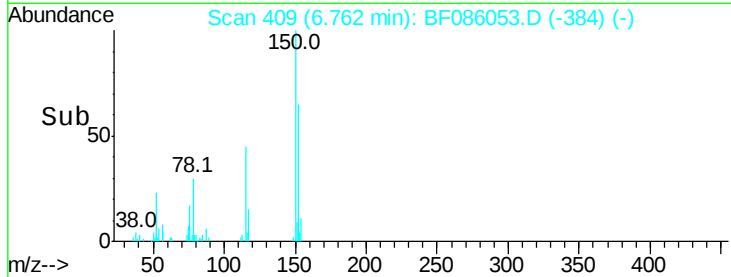
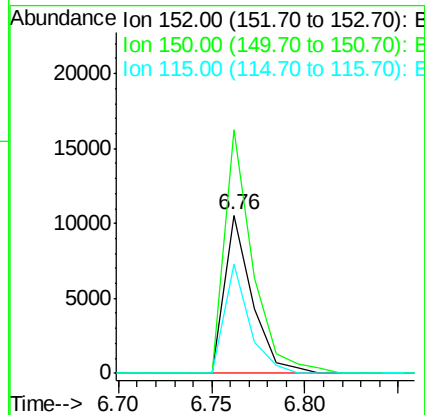
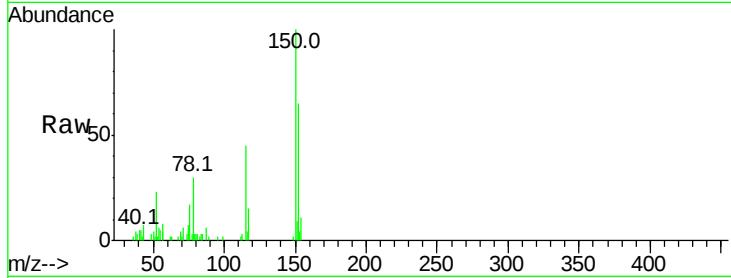
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF086053.D
Acq: 4 Apr 2016 22:38

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.2	186.2
115	68.7	47.0	70.6

Manual Integrations
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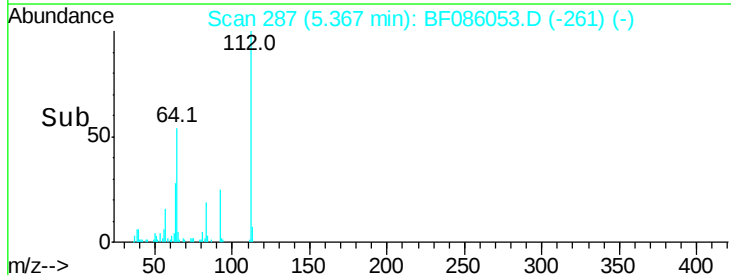
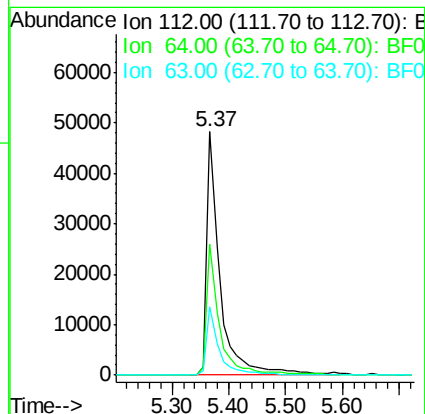
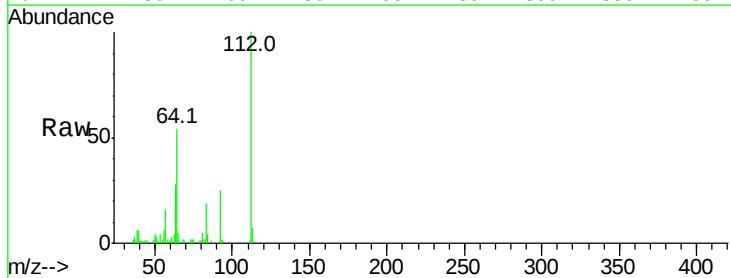
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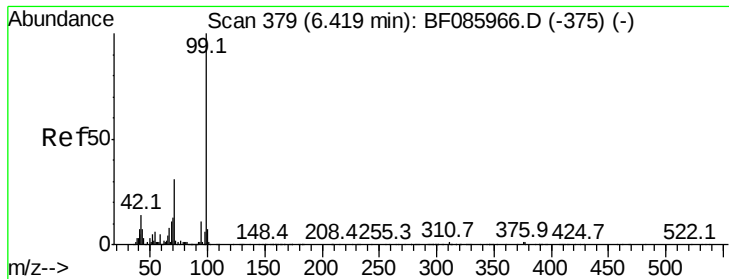


#5

2-Fluorophenol
Concen: 118.49 ng
RT: 5.37 min Scan# 287
Delta R.T. 0.00 min
Lab File: BF086053.D
Acq: 4 Apr 2016 22:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	39.9	59.9
63	27.8	20.2	30.2





#7

Phenol-d6

Concen: 123.97 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF086053.D

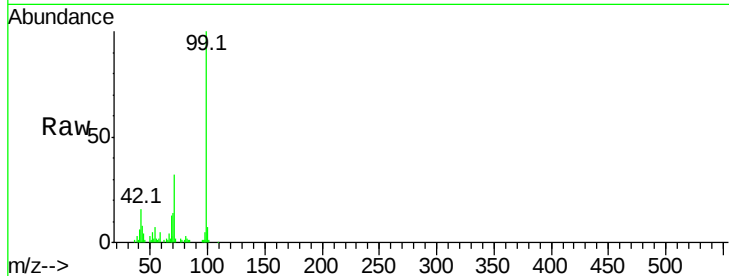
Acq: 4 Apr 2016 22:38

Instrument :

BNA_F

ClientSampleId :

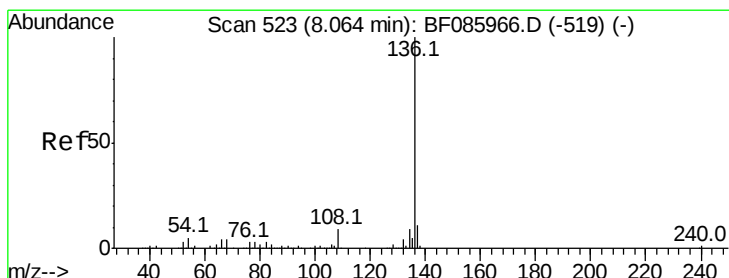
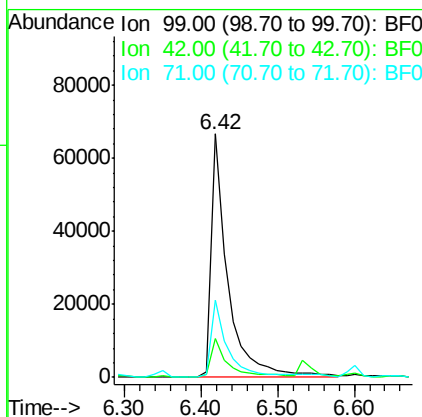
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Tot Ion:	99	Resp:	100848
Ion Ratio	Lower	Upper	
99	100		
42	15.8	11.1	16.7
71	31.5	24.9	37.3

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#21

Naphthalene-d8

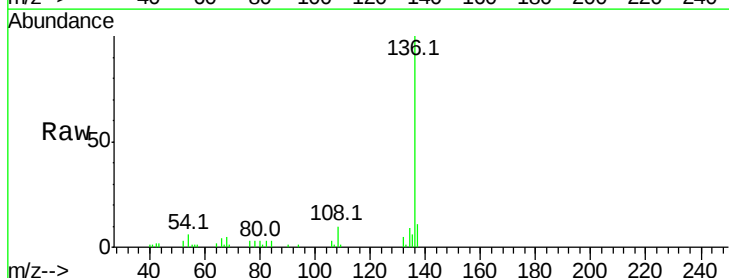
Concen: 20.00 ng

RT: 8.05 min Scan# 522

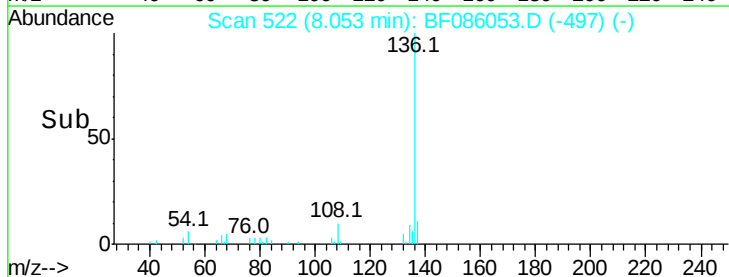
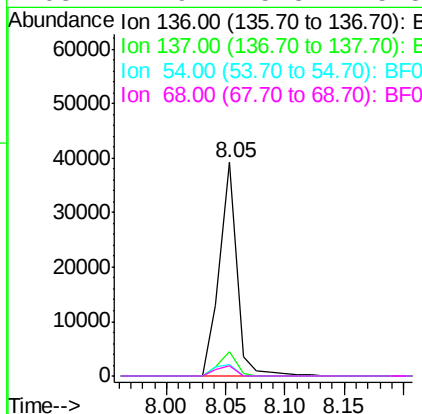
Delta R.T. -0.01 min

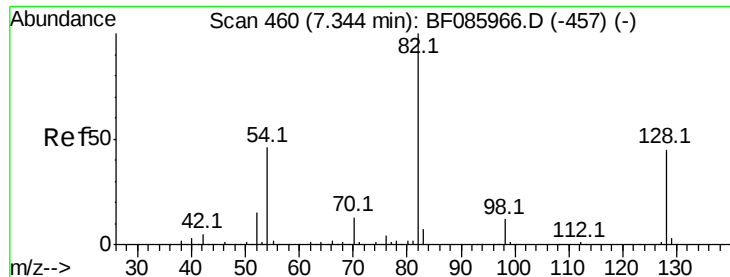
Lab File: BF086053.D

Acq: 4 Apr 2016 22:38



Tgt Ion:	136	Resp:	40126
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	5.6	7.4	11.0#
68	4.9	5.8	8.8#





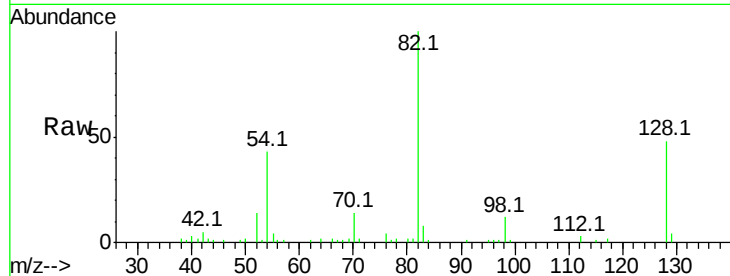
#23
Nitrobenzene-d5
Concen: 80.55 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.01 min
Lab File: BF086053.D
Acq: 4 Apr 2016 22:38

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

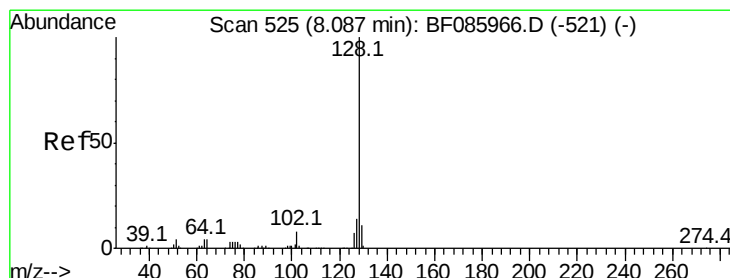
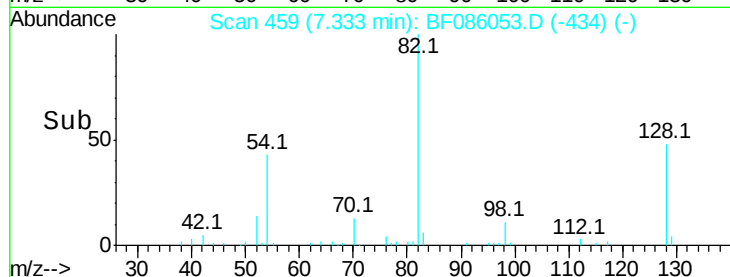
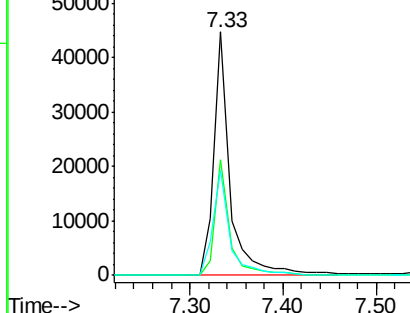
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	41.8	62.8
54	43.2	33.4	50.0

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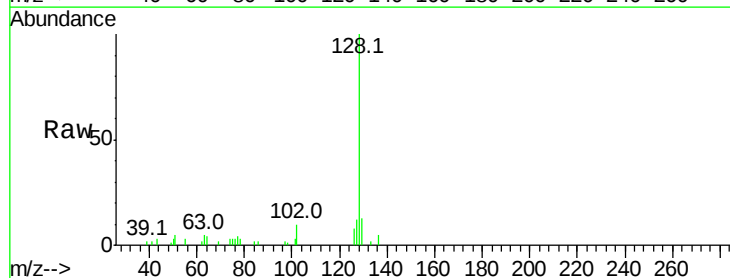


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

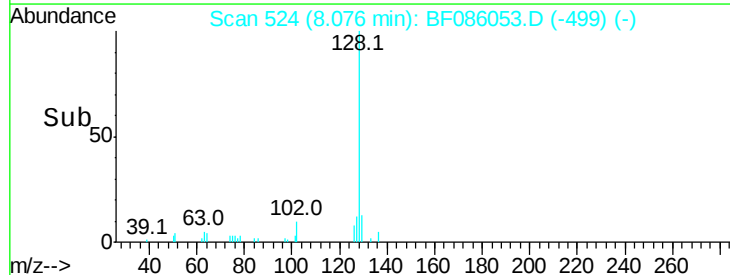
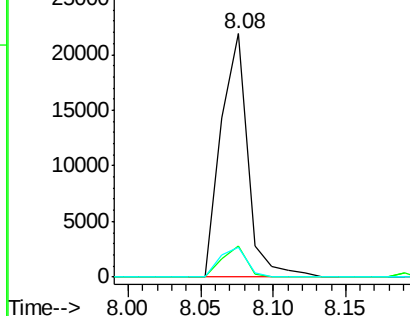


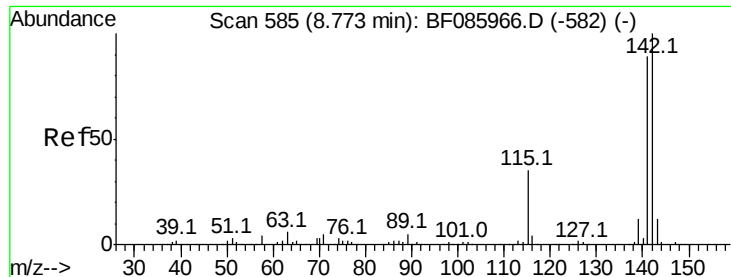
#31
Naphthalene
Concen: 13.96 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF086053.D
Acq: 4 Apr 2016 22:38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.9	9.4	14.0
127	12.4	11.0	16.6



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





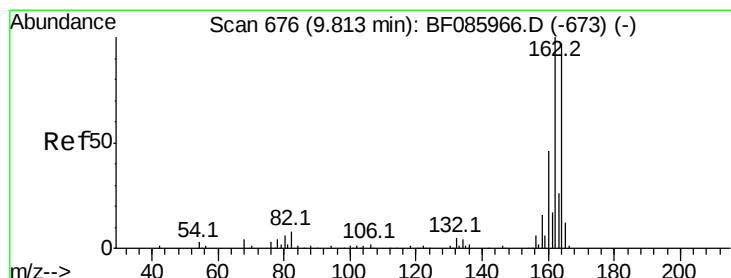
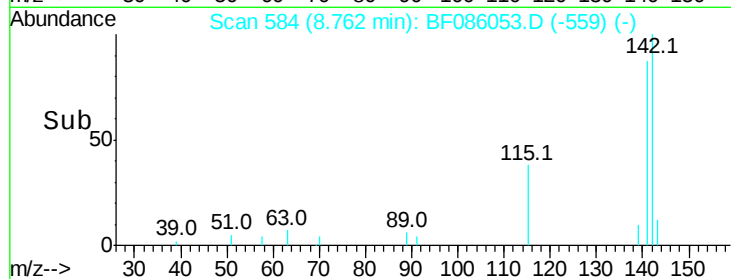
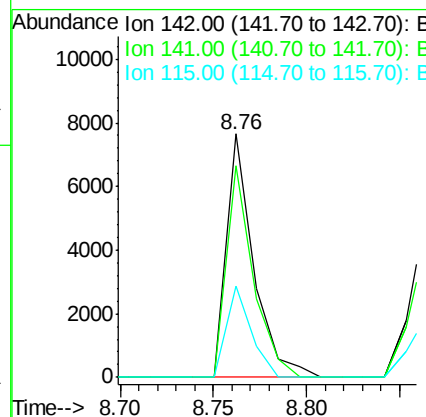
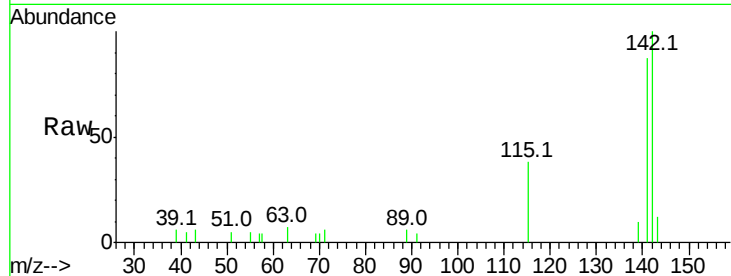
#37
2-Methylnaphthalene
Concen: 5.90 ng
RT: 8.76 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF086053.D
Acq: 4 Apr 2016 22:38

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.2	71.6	107.4
115	37.7	26.8	40.2

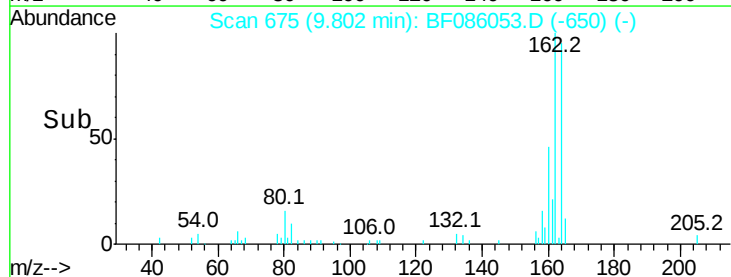
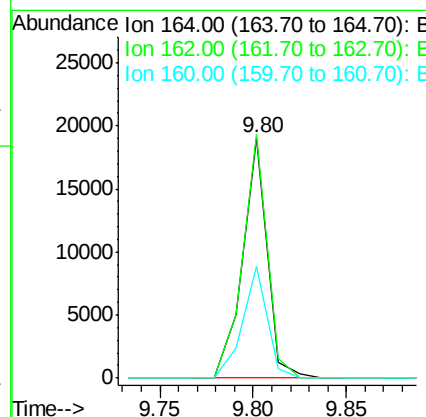
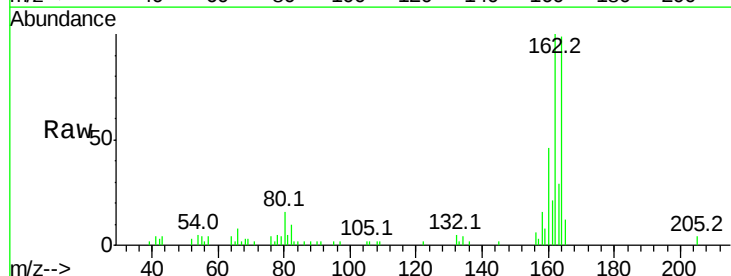
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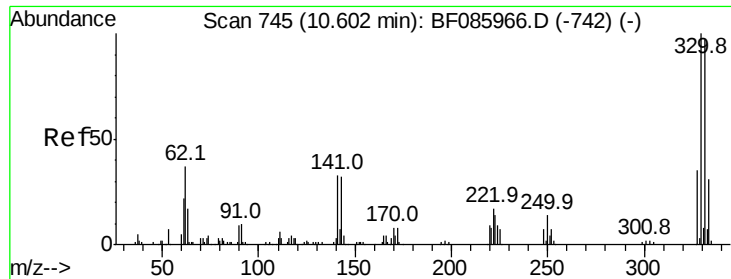
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF086053.D
Acq: 4 Apr 2016 22:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.1	123.1
160	46.7	37.4	56.2





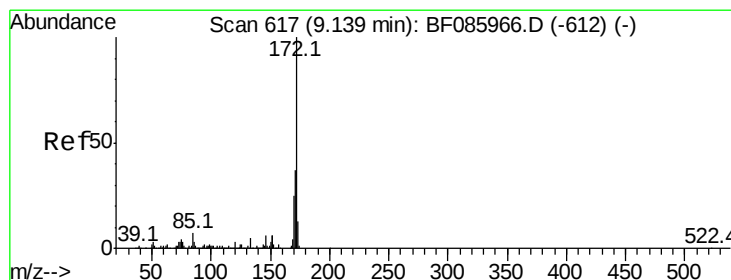
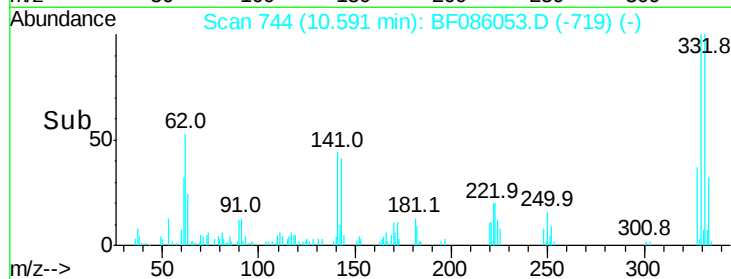
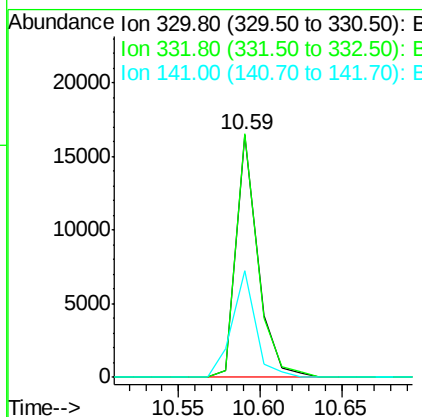
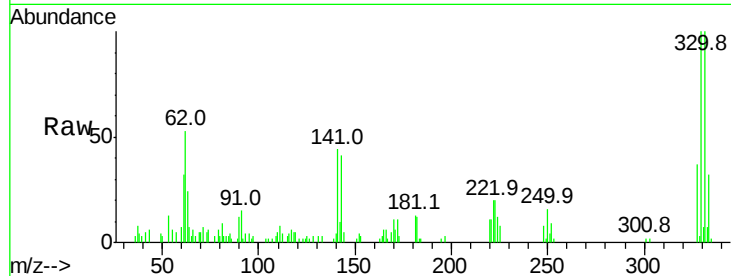
#41
 2,4,6-Tribromophenol
 Concen: 92.24 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF086053.D
 Acq: 4 Apr 2016 22:38

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	100.1	78.2	117.2	
141	47.2	31.5	47.3	

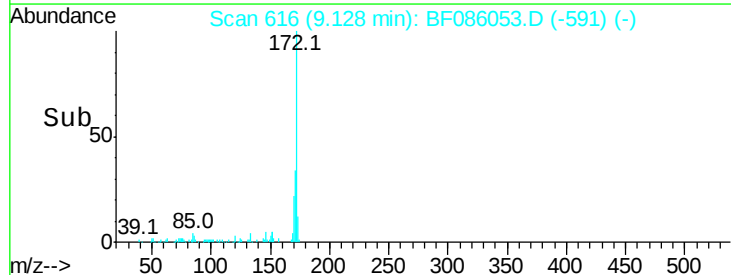
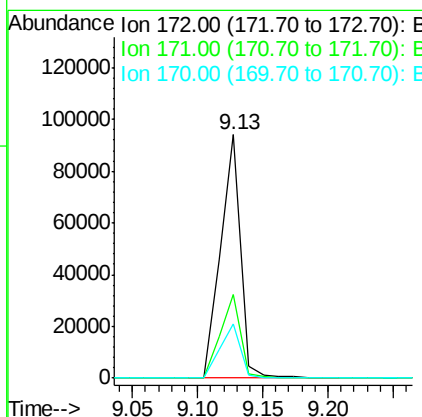
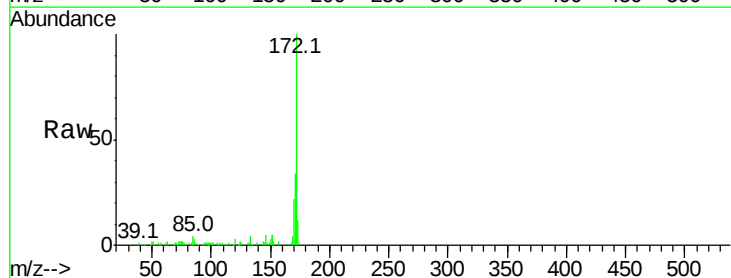
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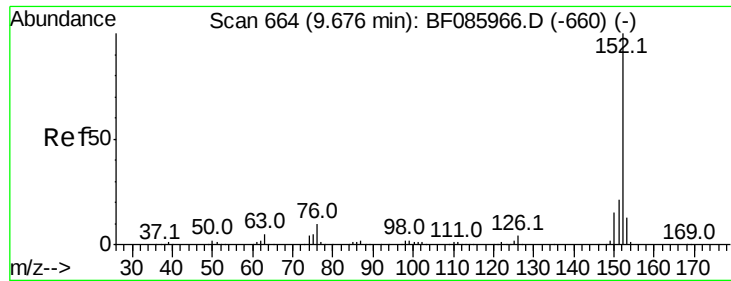
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#44
 2-Fluorobiphenyl
 Concen: 95.96 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086053.D
 Acq: 4 Apr 2016 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.2	29.4	44.2	
170	22.1	19.8	29.6	





#48

Acenaphthylene

Concen: 2.46 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF086053.D

Acq: 4 Apr 2016 22:38

Instrument :

BNA_F

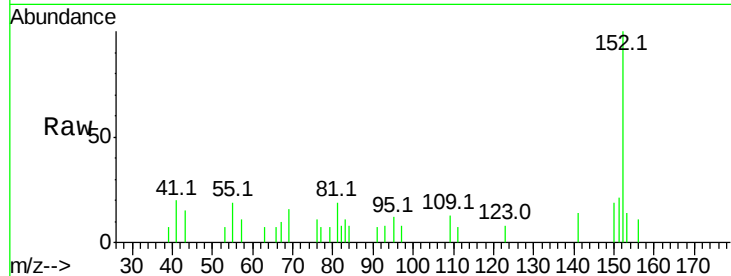
ClientSampleId :

TEC-B2COMP

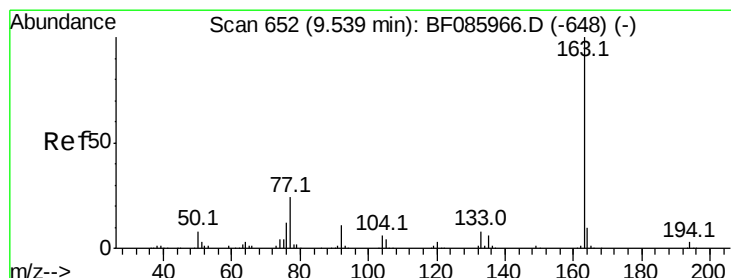
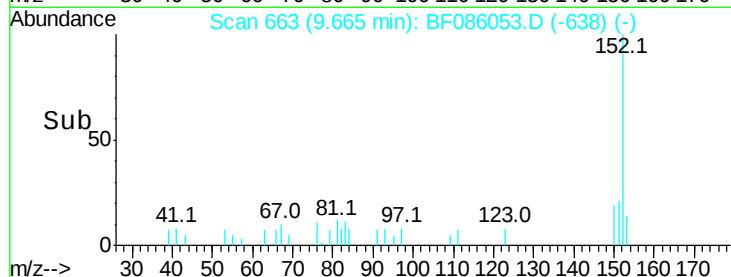
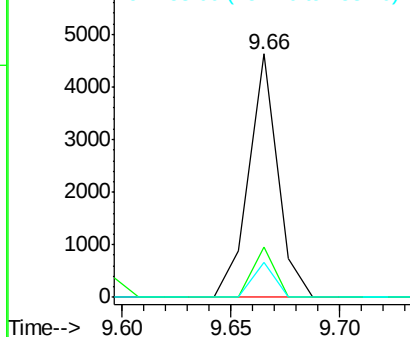
Tot Ion:	152	Resp:	4302
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.8	25.2
153	14.2	10.9	16.3

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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



#49

Dimethylphthalate

Concen: 8.28 ng

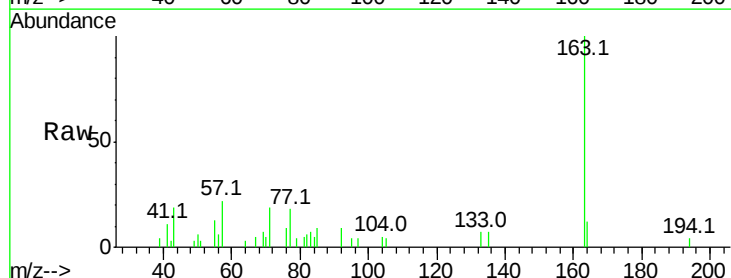
RT: 9.53 min Scan# 651

Delta R.T. -0.01 min

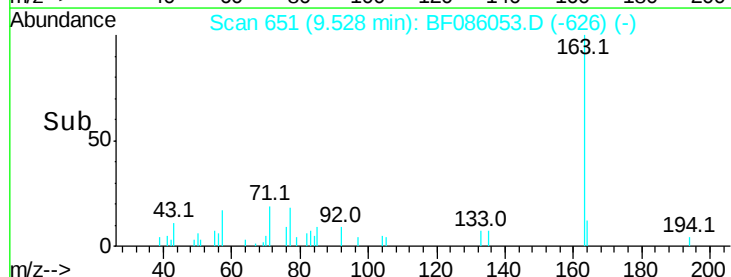
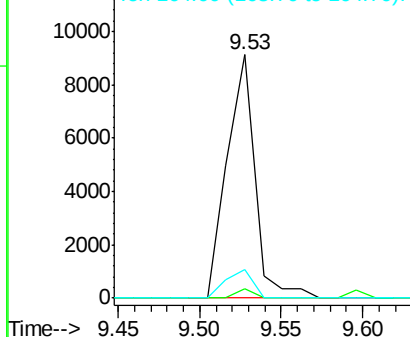
Lab File: BF086053.D

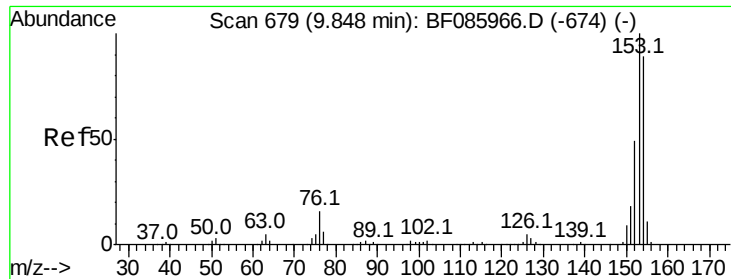
Acq: 4 Apr 2016 22:38

Tgt Ion:	163	Resp:	10742
Ion Ratio	Lower	Upper	
163	100		
194	4.0	2.9	4.3
164	11.8	8.3	12.5



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





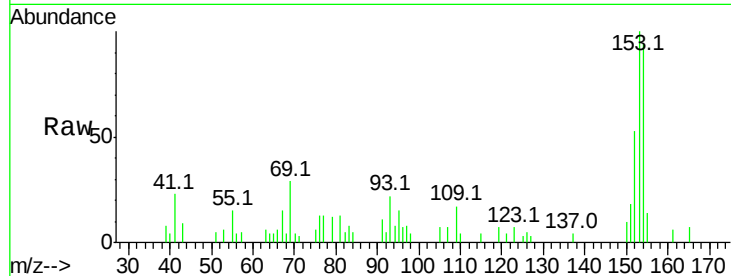
#51
Acenaphthene
Concen: 8.66 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.01 min
Lab File: BF086053.D
Acq: 4 Apr 2016 22:38

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

Tot Ion	Ratio	Lower	Upper
154	100		
153	106.9	90.1	135.1
152	56.2	44.2	66.2

Manual Integrations
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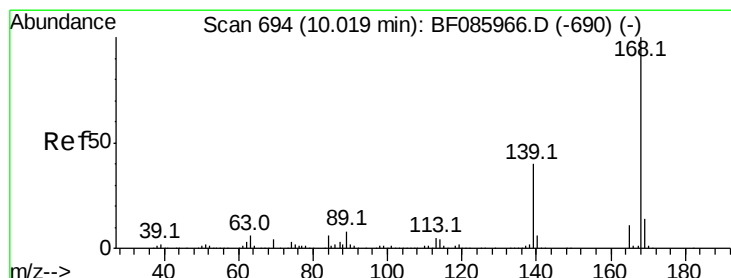
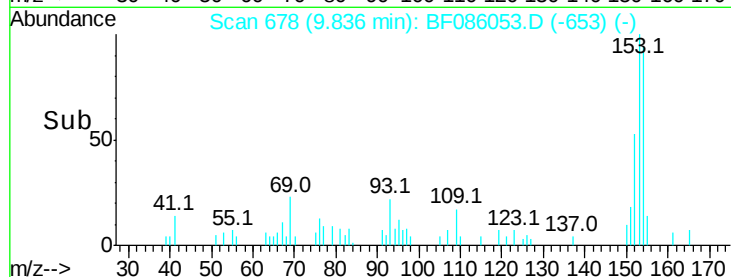
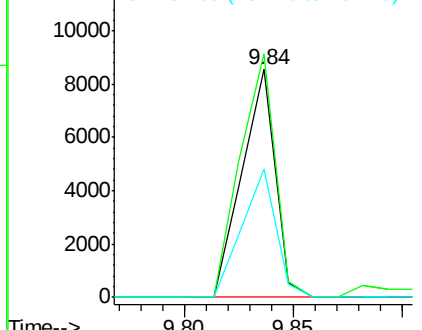


Abundance

Ion 154.00 (153.70 to 154.70): E

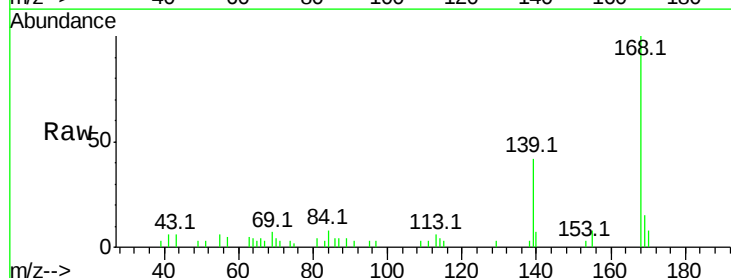
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54
Dibenzofuran
Concen: 7.84 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF086053.D
Acq: 4 Apr 2016 22:38

Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.7	31.9	47.9
169	14.7	11.0	16.6

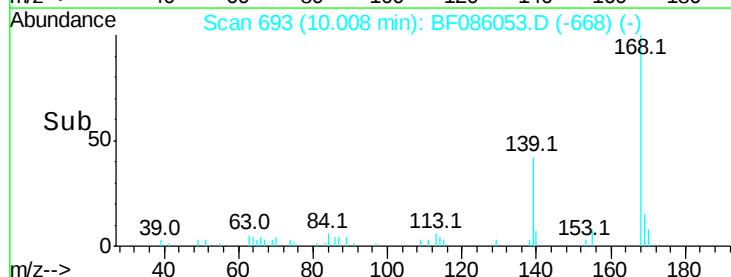
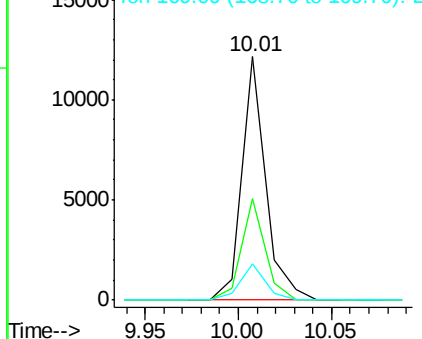


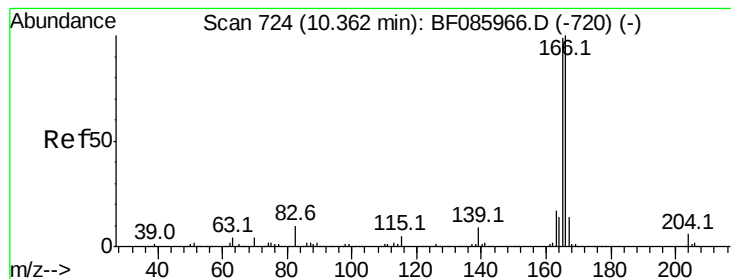
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 11.87 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF086053.D

Acq: 4 Apr 2016 22:38

Instrument :

BNA_F

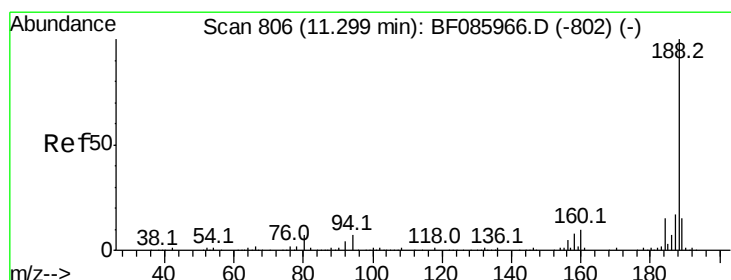
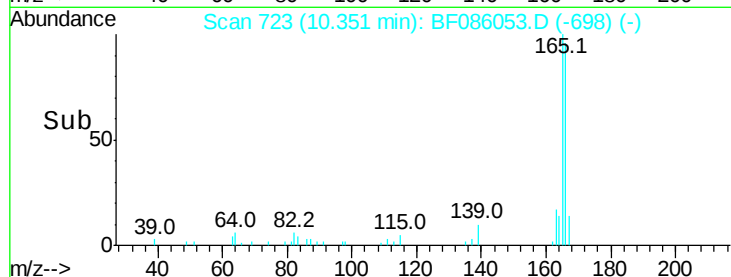
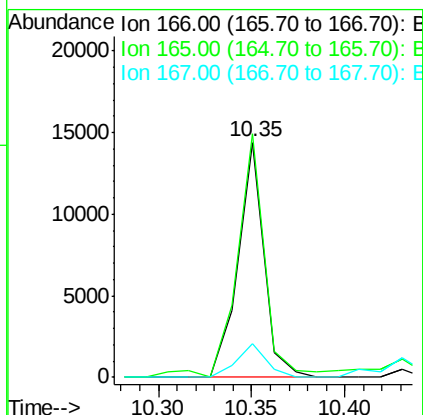
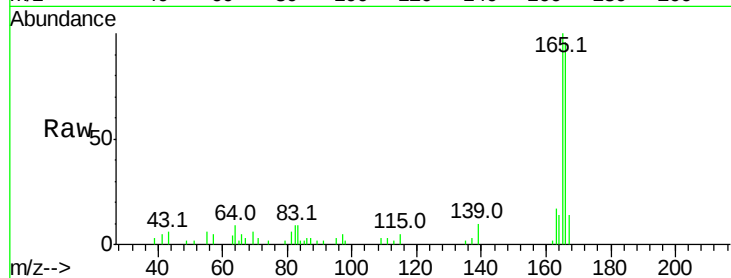
ClientSampleId :

TEC-B2COMP

Tot Ion:	166	Resp:	13957
Ion Ratio	Lower	Upper	
166	100		
165	103.8	79.4	119.0
167	14.5	11.0	16.4

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

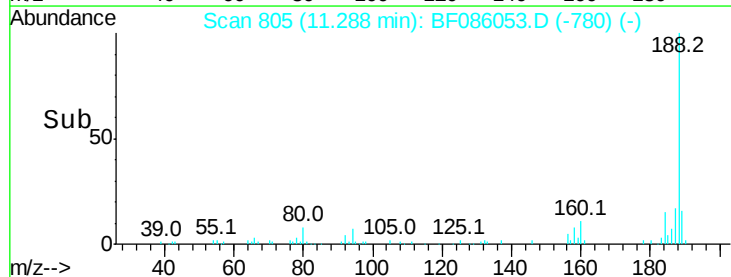
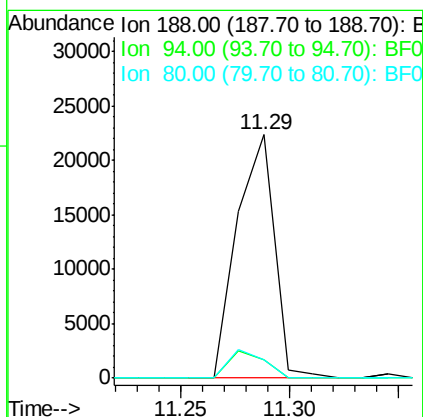
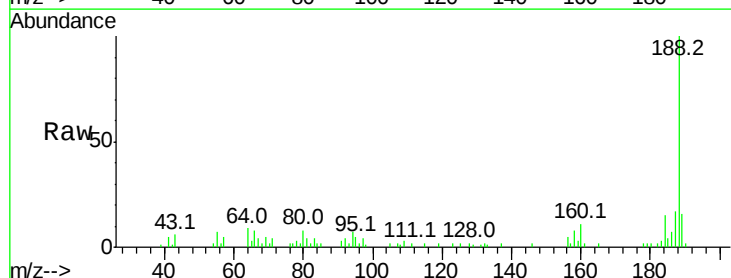
RT: 11.29 min Scan# 805

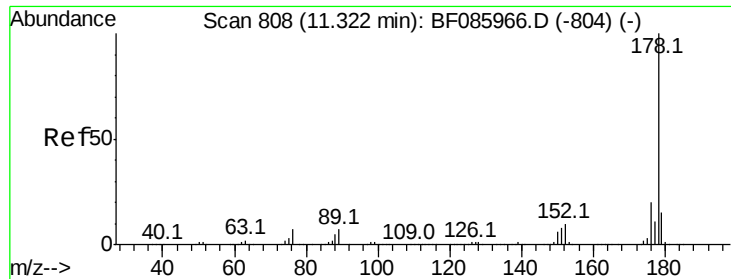
Delta R.T. -0.01 min

Lab File: BF086053.D

Acq: 4 Apr 2016 22:38

Tgt Ion:	188	Resp:	26675
Ion Ratio	Lower	Upper	
188	100		
94	7.4	5.4	8.0
80	7.6	5.5	8.3





#70

Phenanthrene

Concen: 58.70 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF086053.D

Acq: 4 Apr 2016 22:38

Instrument :

BNA_F

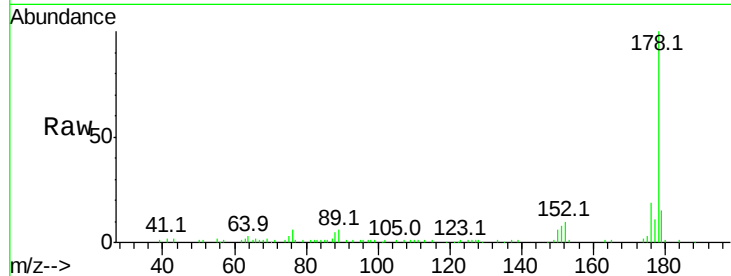
ClientSampleId :

TEC-B2COMP

Tot Ion:178	Resp:	85420
Ion Ratio	Lower	Upper
178	100	
176	19.0	16.3 24.5
179	14.8	12.6 18.8

Manual Integrations
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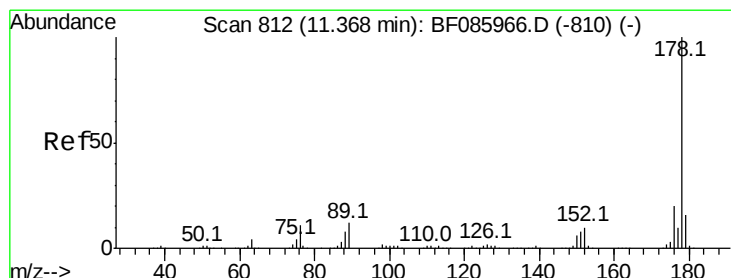
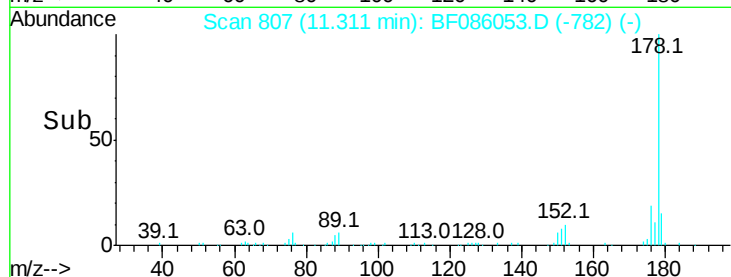
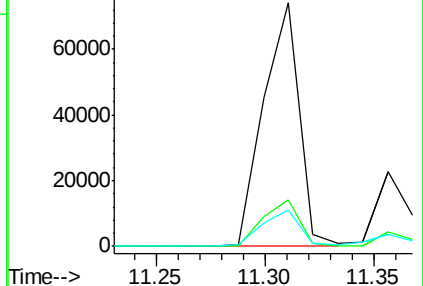
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 17.58 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF086053.D

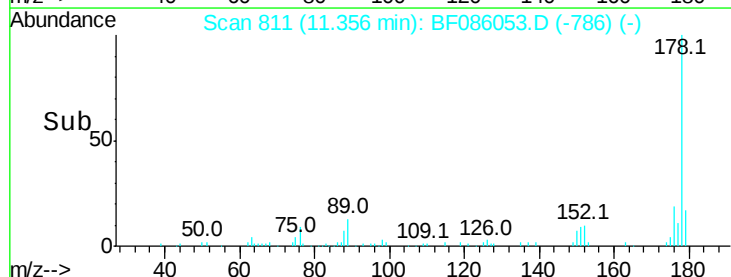
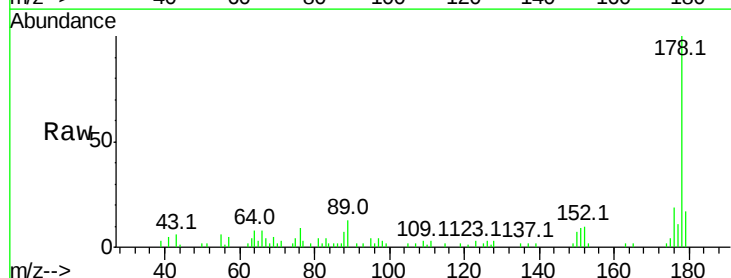
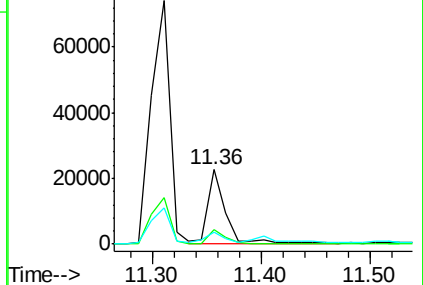
Acq: 4 Apr 2016 22:38

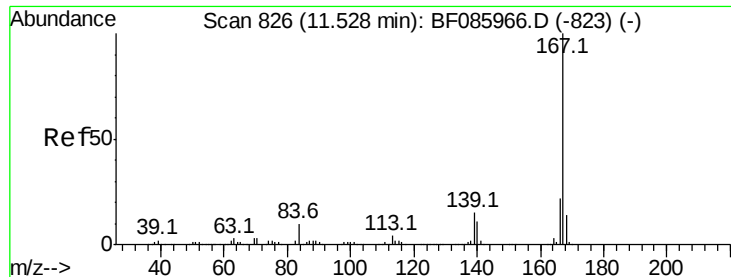
Tgt Ion:178	Resp:	26803
Ion Ratio	Lower	Upper
178	100	
176	18.8	15.9 23.9
179	17.0	13.0 19.4

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: 7.76 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF086053.D

Acq: 4 Apr 2016 22:38

Instrument :

BNA_F

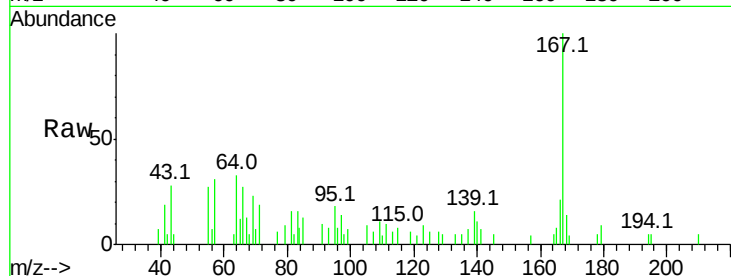
ClientSampleId :

TEC-B2COMP

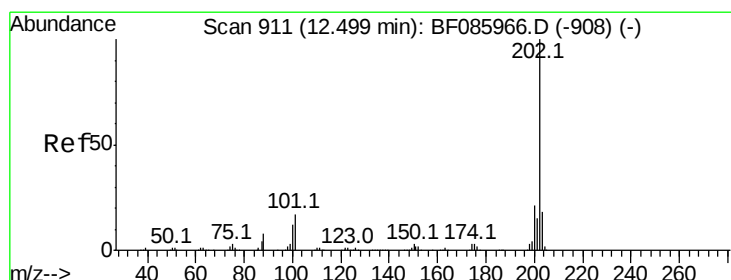
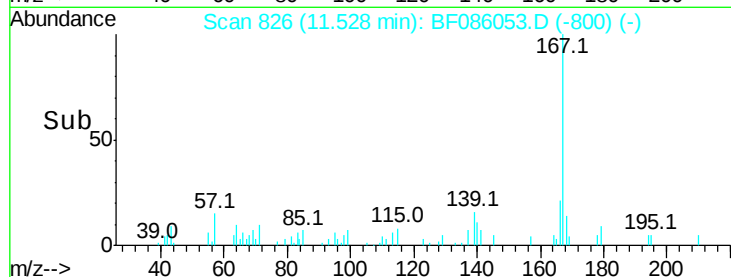
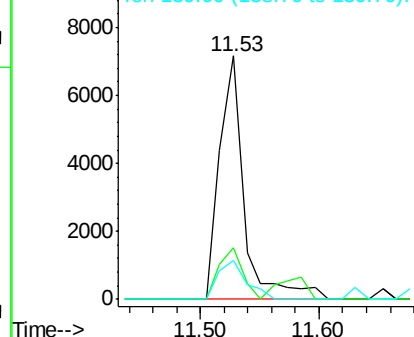
Manual Integrations
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Tot Ion:	167	Resp:	10166
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.8	26.8
139	15.9	11.6	17.4



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: 56.18 ng

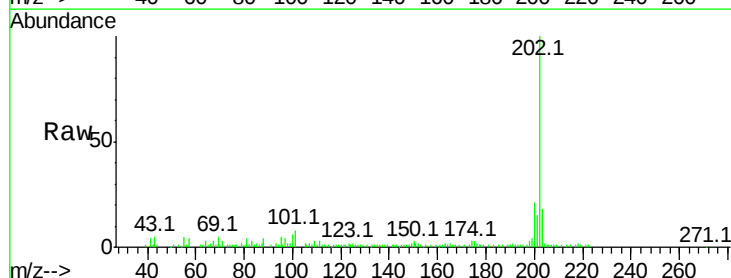
RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

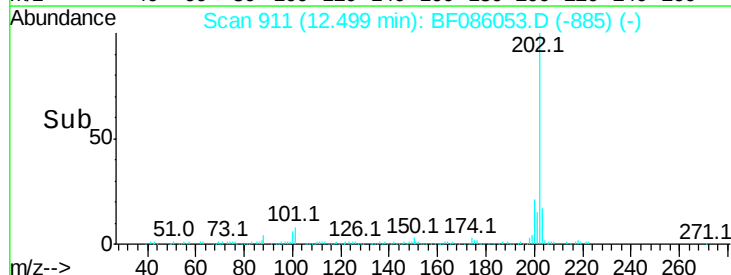
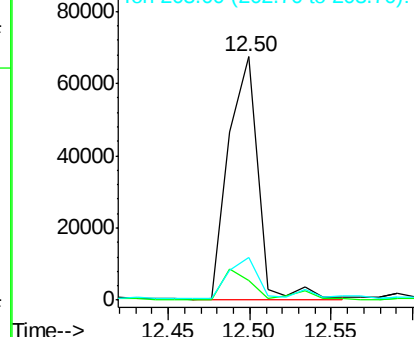
Lab File: BF086053.D

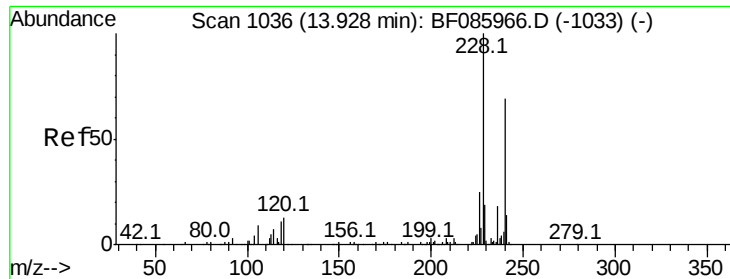
Acq: 4 Apr 2016 22:38

Tgt Ion:	202	Resp:	85039
Ion Ratio	Lower	Upper	
202	100		
101	8.1	0.0	36.6
203	17.5	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: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF086053.D

Acq: 4 Apr 2016 22:38

Instrument :

BNA_F

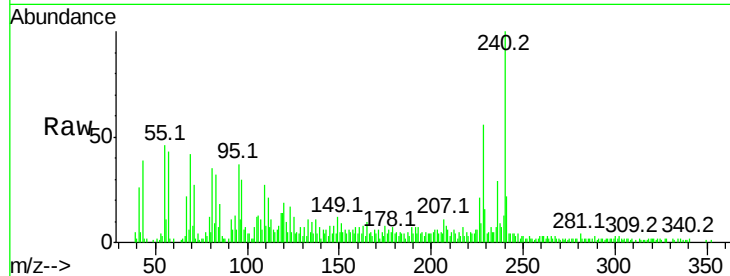
ClientSampleId :

TEC-B2COMP

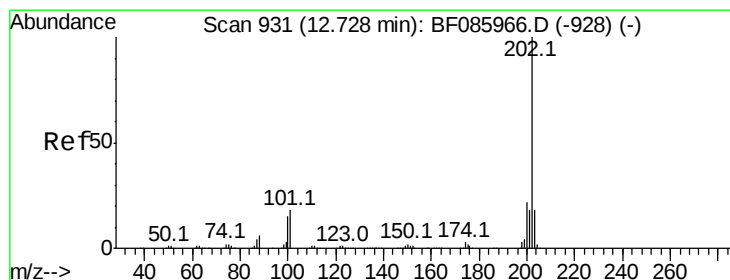
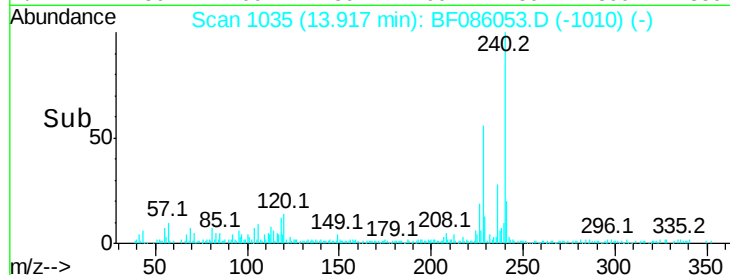
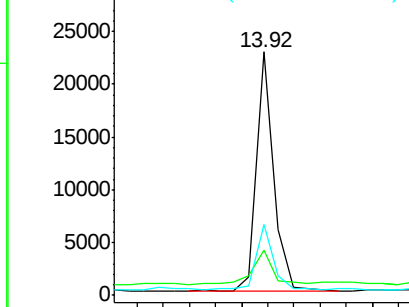
Tot Ion:	240	Resp:	20924
Ion Ratio	Lower	Upper	
240	100		
120	18.8	13.8	20.8
236	29.1	20.6	30.8

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 47.71 ng

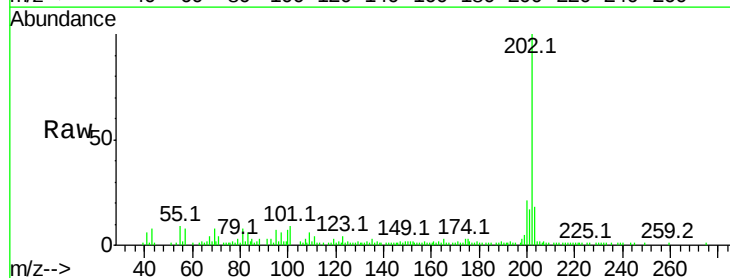
RT: 12.73 min Scan# 931

Delta R.T. 0.00 min

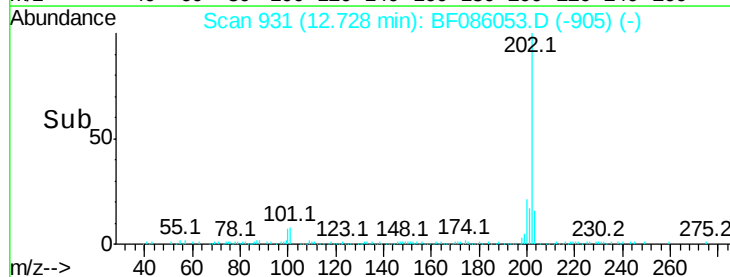
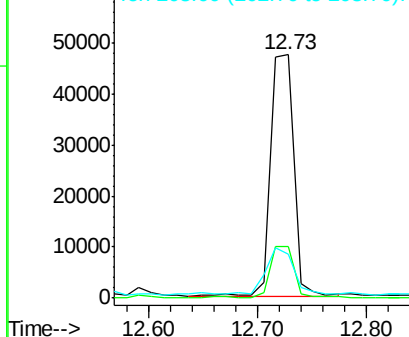
Lab File: BF086053.D

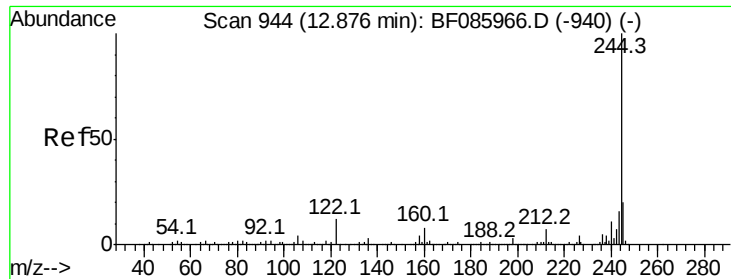
Acq: 4 Apr 2016 22:38

Tgt Ion:	202	Resp:	70350
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.6	26.4
203	17.9	14.0	21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 77.93 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF086053.D

Acq: 4 Apr 2016 22:38

Instrument :

BNA_F

ClientSampleId :

TEC-B2COMP

Tot Ion:244 Resp: 69368

Ion Ratio Lower Upper

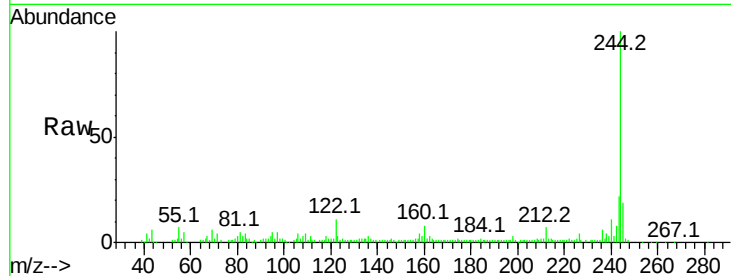
244 100

212 7.3 6.1 9.1

122 11.4 10.2 15.4

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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

100000

80000

60000

40000

20000

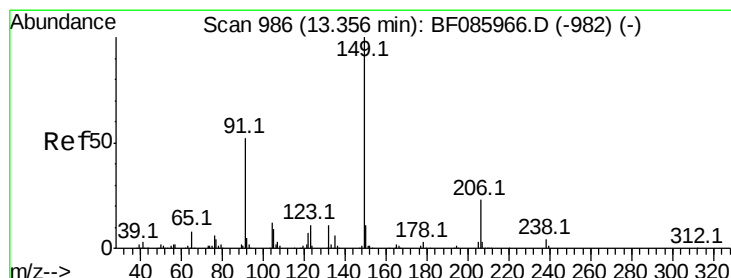
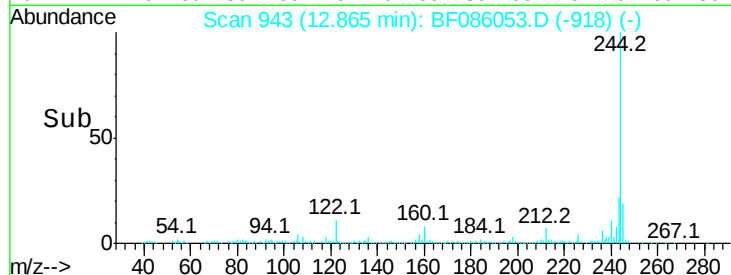
0

12.80

12.87

12.90

Time-->



#79

Butylbenzylphthalate

Concen: 4.88 ng

RT: 13.35 min Scan# 985

Delta R.T. -0.01 min

Lab File: BF086053.D

Acq: 4 Apr 2016 22:38

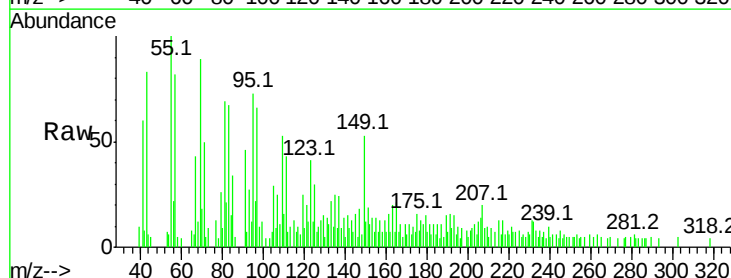
Tgt Ion:149 Resp: 3243

Ion Ratio Lower Upper

149 100

91 85.8 45.8 68.8#

206 25.5 17.8 26.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

5000

4000

3000

2000

1000

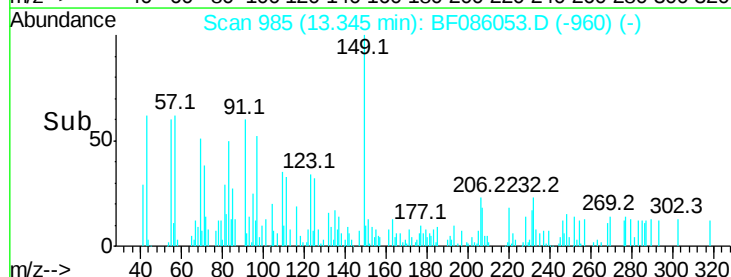
0

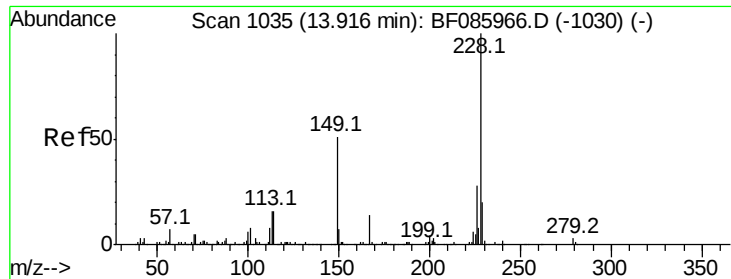
13.30

13.35

13.40

Time-->





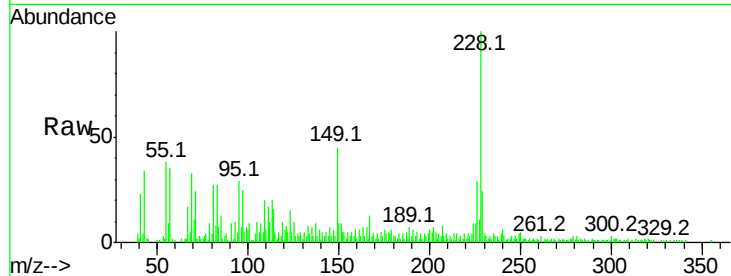
#80
Benzo(a)anthracene
Concen: 27.35 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF086053.D
Acq: 4 Apr 2016 22:38

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

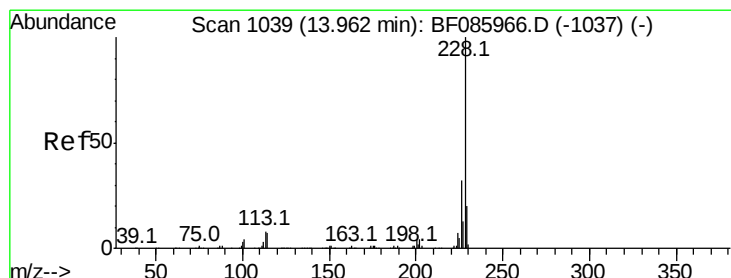
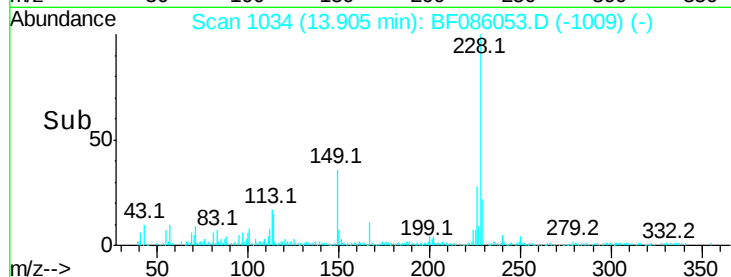
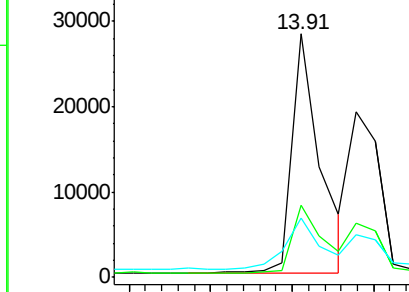
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.1	33.1
229	24.3	16.2	24.4

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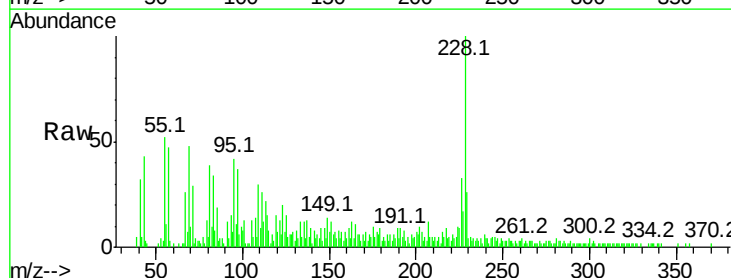


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

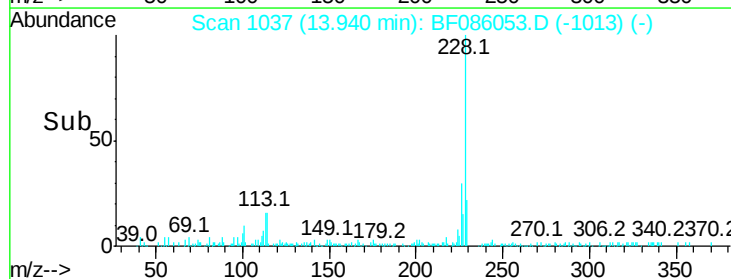
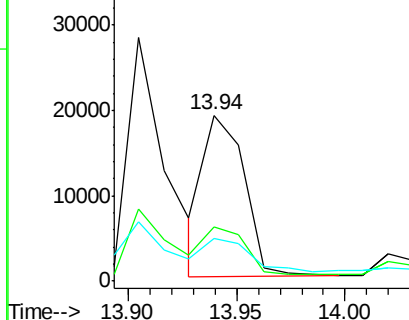


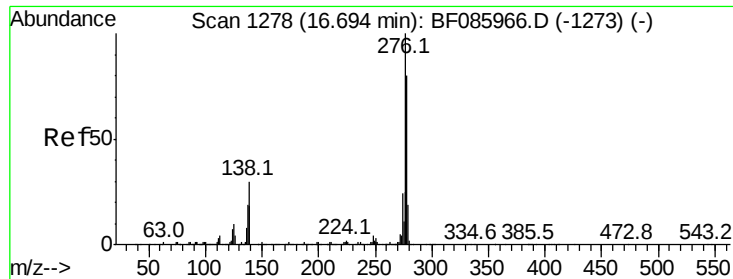
#82
Chrysene
Concen: 20.70 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF086053.D
Acq: 4 Apr 2016 22:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.0	37.6
229	25.7	15.7	23.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





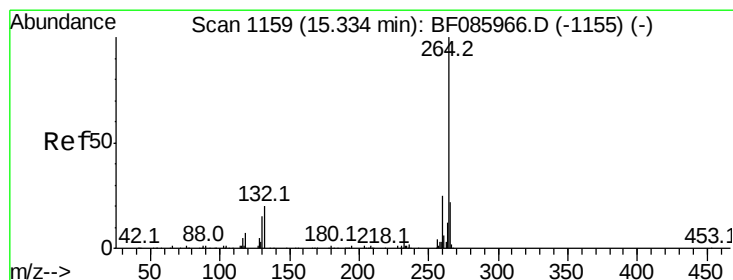
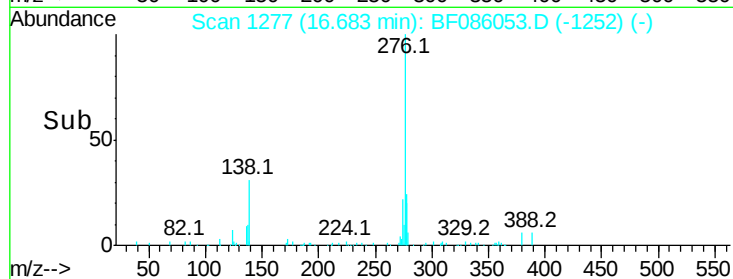
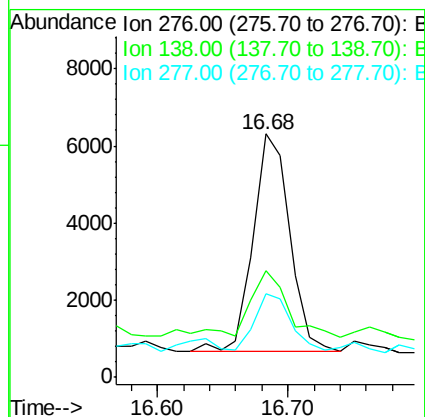
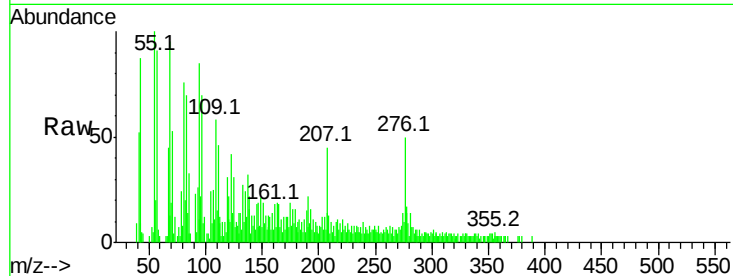
#85
Indeno(1,2,3-cd)pyrene
Concen: 11.52 ng
RT: 16.68 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF086053.D
Acq: 4 Apr 2016 22:38

Instrument :
BNA_F
ClientSampleId :
TEC-B2COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.6	24.2	36.4
277	25.0	20.0	30.0

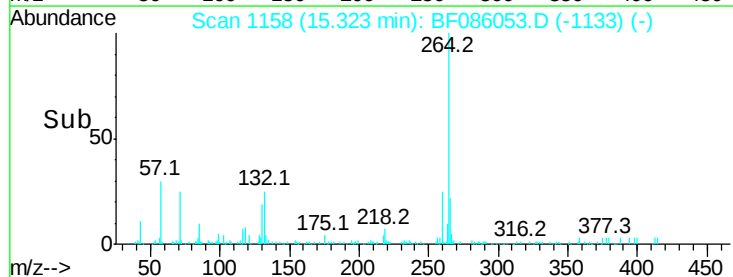
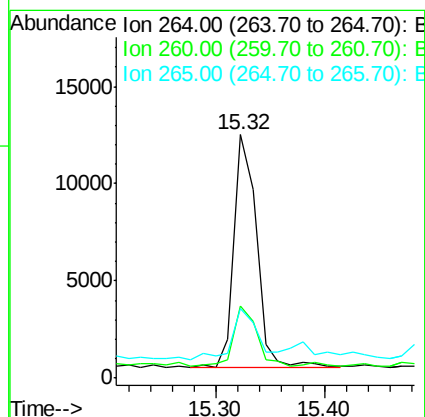
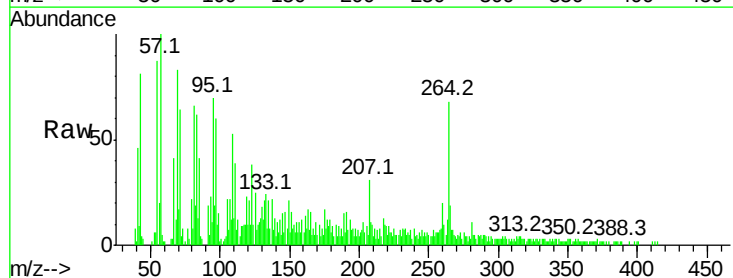
Manual Integrations
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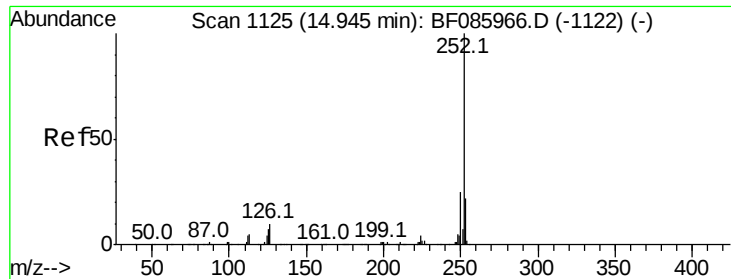
Sohil
4/5/2016 6:39:10 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF086053.D
Acq: 4 Apr 2016 22:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	29.8	19.4	29.2#
265	28.7	17.2	25.8#





#87

Benzo(b)fluoranthene

Concen: 31.07 ng m

RT: 14.93 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF086053.D

Acq: 4 Apr 2016 22:38

Instrument :

BNA_F

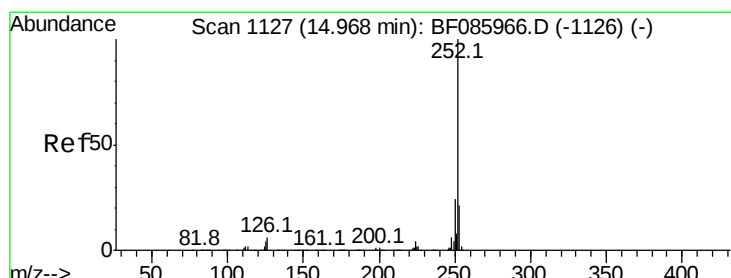
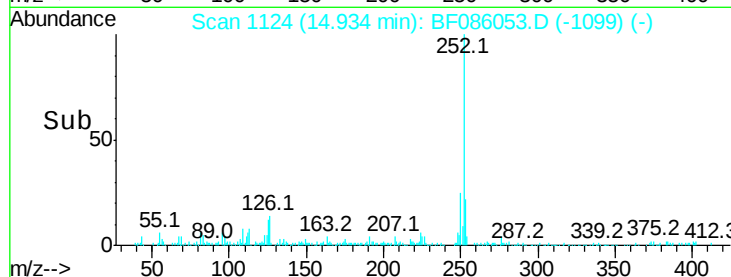
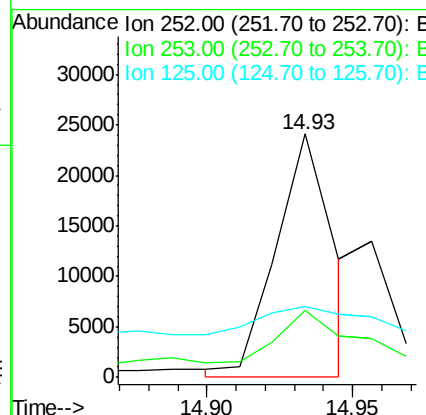
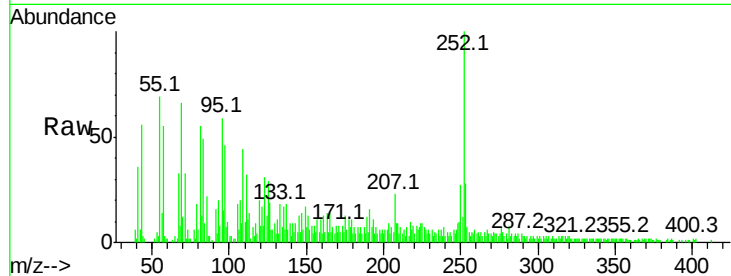
ClientSampleId :

TEC-B2COMP

Tot Ion:	252	Resp:	33004
Ion Ratio	Lower	Upper	
252	100		
253	27.6	17.6	26.4#
125	29.2	10.3	15.5#

Manual Integrations
APPROVED

Sohil
4/5/2016 6:39:10 PM



#88

Benzo(k)fluoranthene

Concen: 14.72 ng m

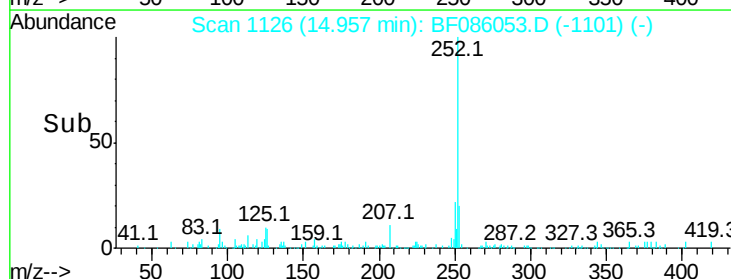
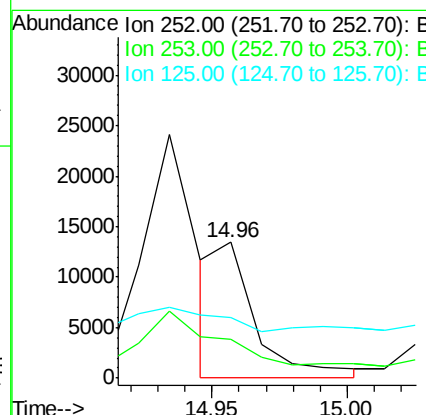
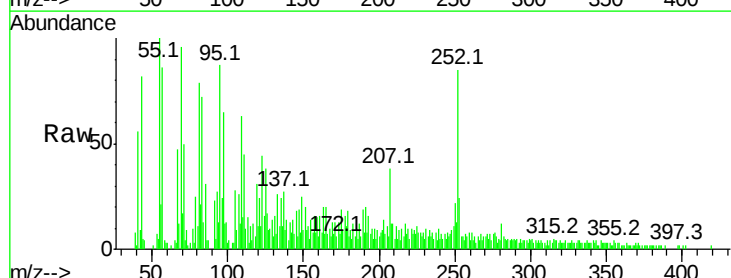
RT: 14.96 min Scan# 1126

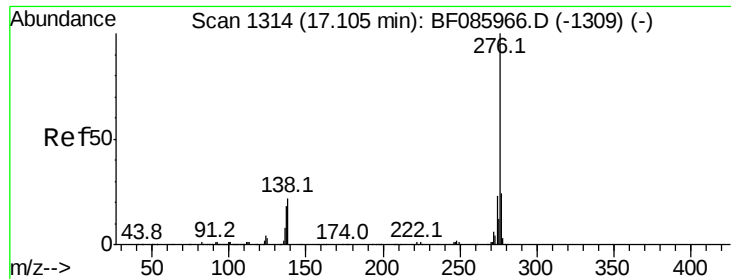
Delta R.T. -0.01 min

Lab File: BF086053.D

Acq: 4 Apr 2016 22:38

Tgt Ion:	252	Resp:	13852
Ion Ratio	Lower	Upper	
252	100		
253	28.3	17.8	26.6#
125	44.9	7.7	11.5#





#91
 Benzo(a,h,i)perylene
 Concen: 15.20 ng
 RT: 17.11 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: BF086053.D
 Acq: 4 Apr 2016 22:38

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2COMP

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	32.2	18.8	28.2	#
138	40.5	22.6	34.0	#

Manual Integrations
 APPROVED

Sohil
 4/5/2016 6:39:10 PM

