

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
 Data File : BF086052.D
 Acq On : 4 Apr 2016 22:10
 Operator : UM/SJ
 Sample : H2054-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B11COMP

Manual Integrations
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Quant Time: Apr 05 12:04:00 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	114516	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	403288	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	163572	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	248434	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	187599	20.00	ng	0.00
86) Perylene-d12	15.35	264	126268	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	526403	78.57	ng	0.00
7) Phenol-d6	6.42	99	692853	81.42	ng	0.00
23) Nitrobenzene-d5	7.33	82	416170	60.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	79083	51.51	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	671475	68.25	ng	-0.01
78) Terphenyl-d14	12.86	244	427756	53.60	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.06	128	133387	6.58	ng	99
37) 2-Methylnaphthalene	8.76	142	122636	9.25	ng	98
49) Dimethylphthalate	9.52	163	120745	9.96	ng	99
54) Dibenzofuran	10.01	168	30333	2.36	ng	# 93
70) Phenanthrene	11.31	178	160641	11.85	ng	98
71) Anthracene	11.36	178	35397m	2.49	ng	
74) Fluoranthene	12.50	202	164162	11.65	ng	91
77) Pyrene	12.73	202	168795	12.77	ng	98
80) Benzo(a)anthracene	13.92	228	77899	7.04	ng	# 85
82) Chrysene	13.95	228	92395m	8.67	ng	
83) Bis(2-ethylhexyl)phthalate	13.90	149	109800	13.90	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.72	276	25936	3.00	ng	95
87) Benzo(b)fluoranthene	14.95	252	62000m	7.81	ng	
88) Benzo(k)fluoranthene	14.96	252	22561m	3.21	ng	
91) Benzo(a,h,i)perylene	17.13	276	25962	4.74	ng	# 77

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

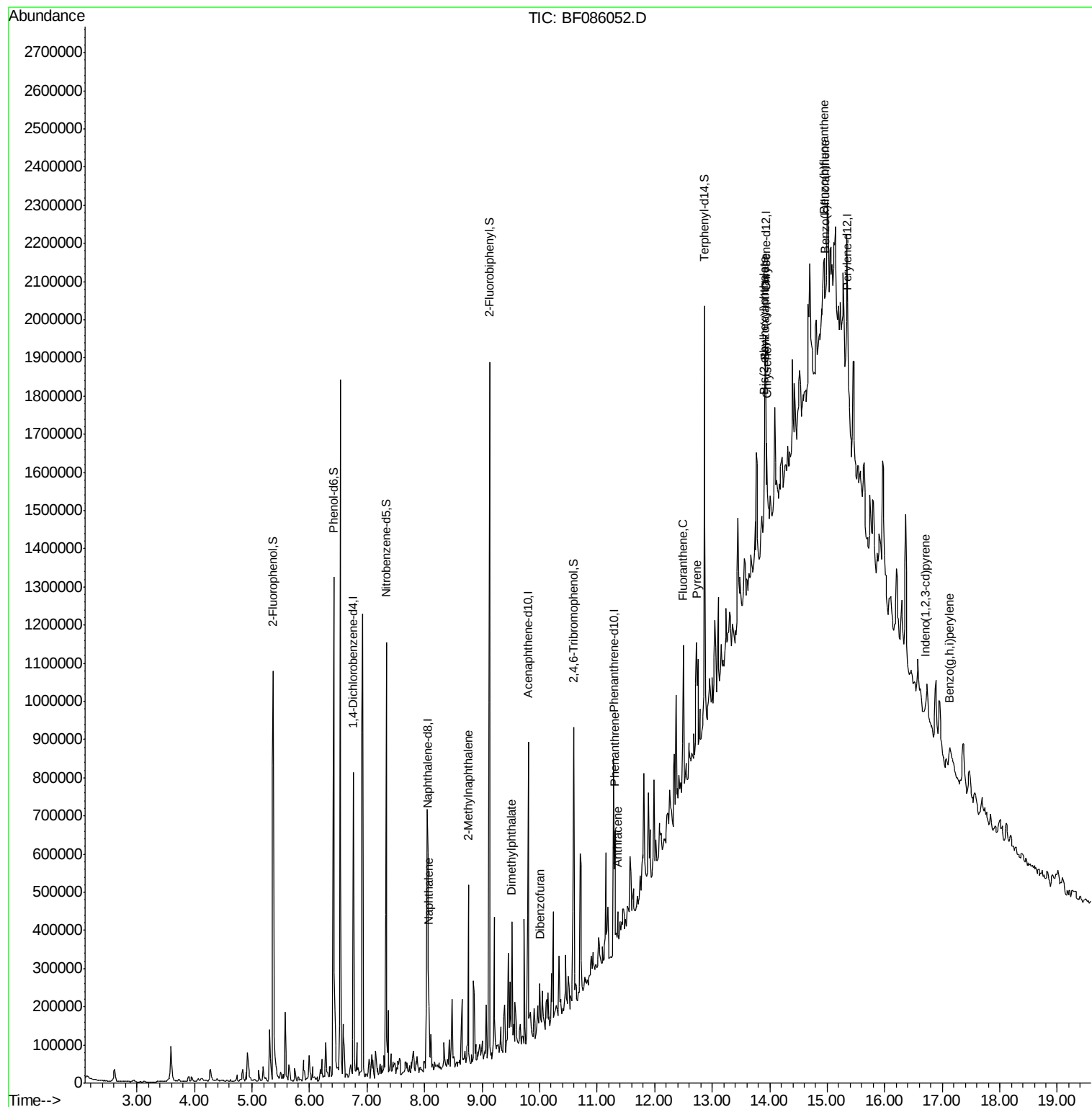
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040416\
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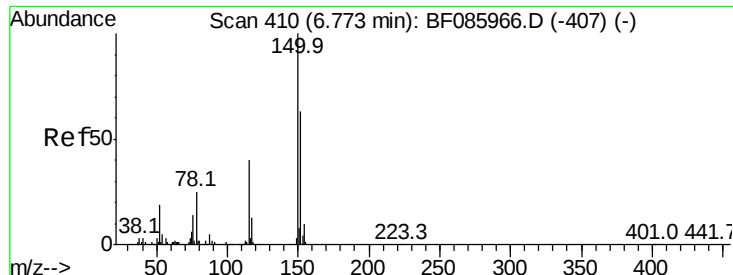
Instrument :
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Quant Time: Apr 05 12:04:00 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
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#1

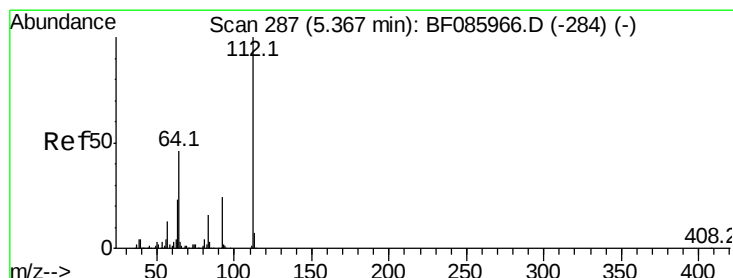
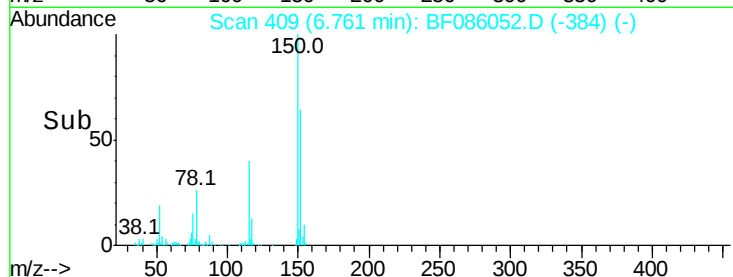
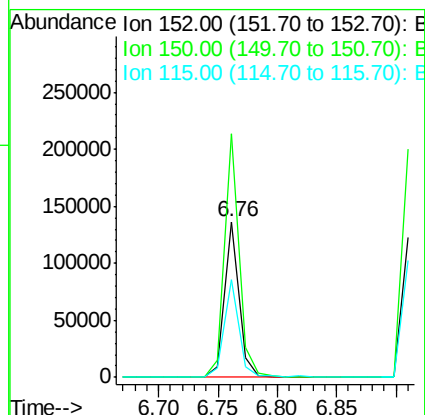
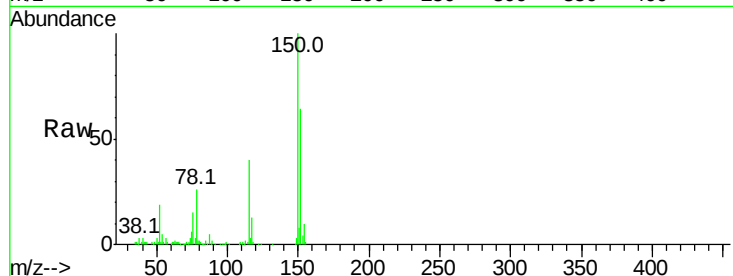
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.01 min
Lab File: BF086052.D
Acq: 4 Apr 2016 22:10

Instrument :
BNA_F
ClientSampleId :
TEC-B11COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.2	186.2
115	62.9	47.0	70.6

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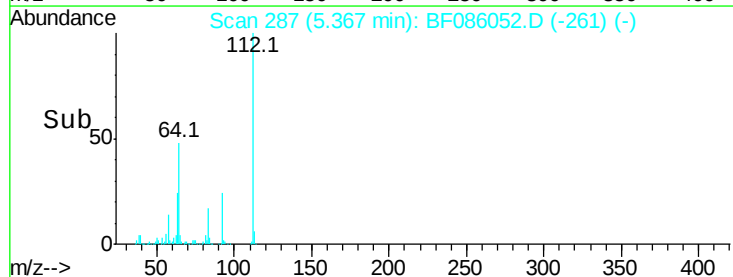
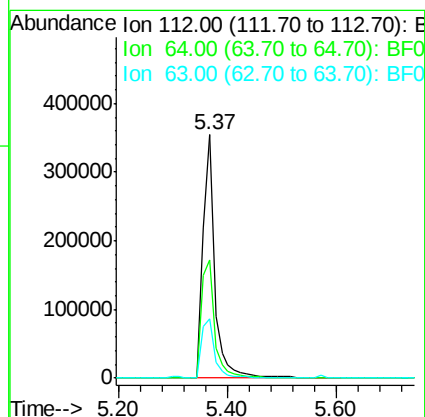
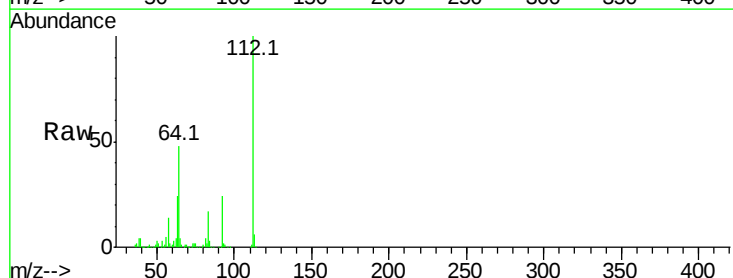
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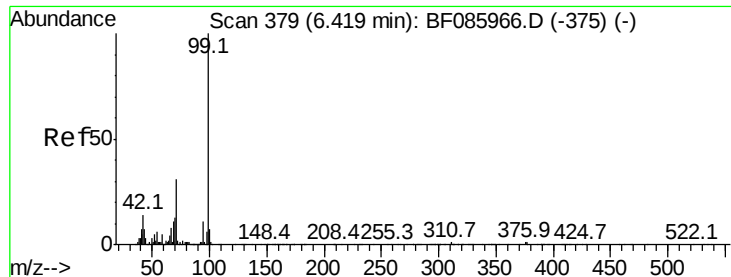


#5

2-Fluorophenol
Concen: 78.57 ng
RT: 5.37 min Scan# 287
Delta R.T. -0.00 min
Lab File: BF086052.D
Acq: 4 Apr 2016 22:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.4	39.9	59.9
63	24.5	20.2	30.2





#7

Phenol-d6

Concen: 81.42 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.00 min

Lab File: BF086052.D

Acq: 4 Apr 2016 22:10

Instrument :

BNA_F

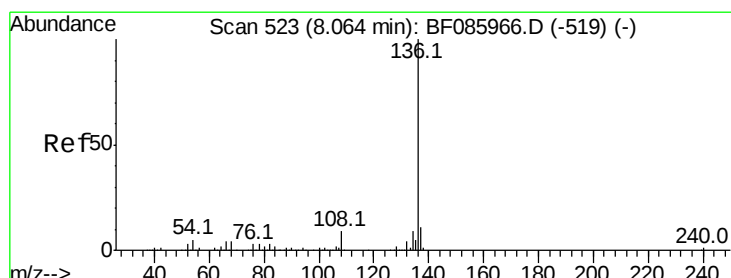
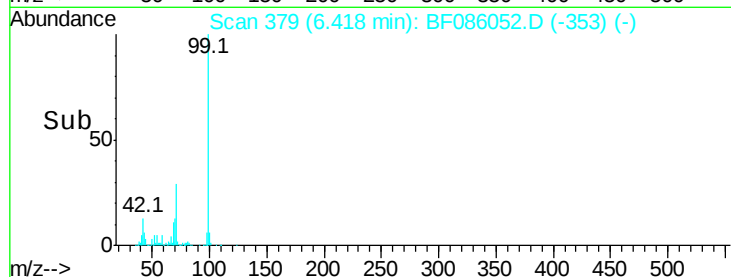
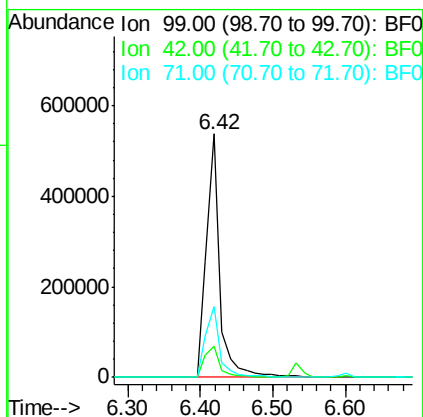
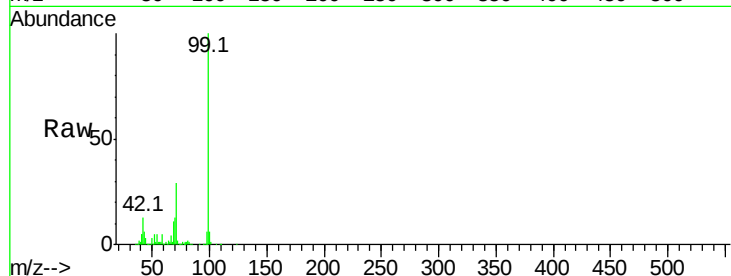
ClientSampleId :

TEC-B11COMP

Tot Ion:	99	Resp:	692853
Ion Ratio	Lower	Upper	
99	100		
42	12.9	11.1	16.7
71	29.0	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

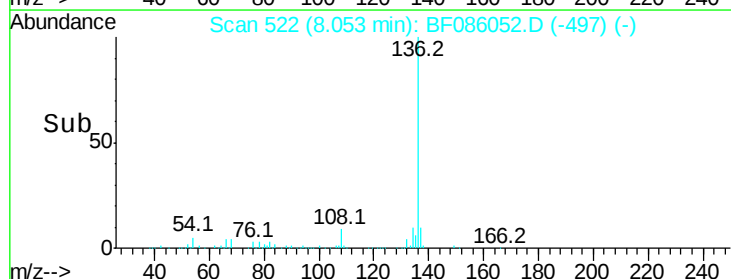
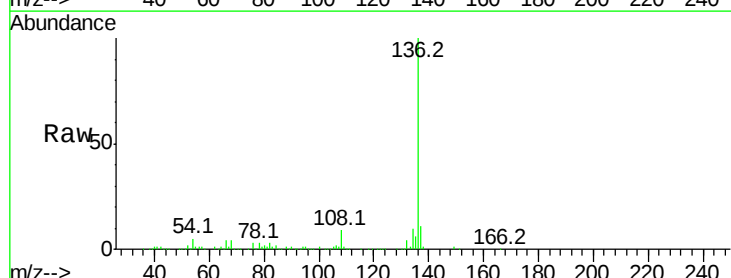
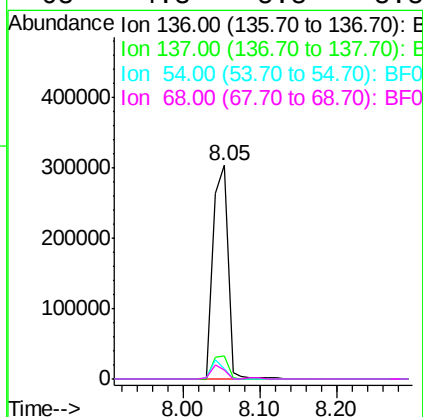
RT: 8.05 min Scan# 522

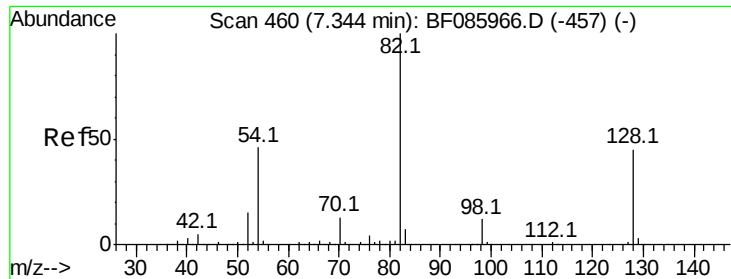
Delta R.T. -0.01 min

Lab File: BF086052.D

Acq: 4 Apr 2016 22:10

Tgt Ion:	136	Resp:	403288
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.1	13.7
54	4.7	7.4	11.0#
68	4.3	5.8	8.8#





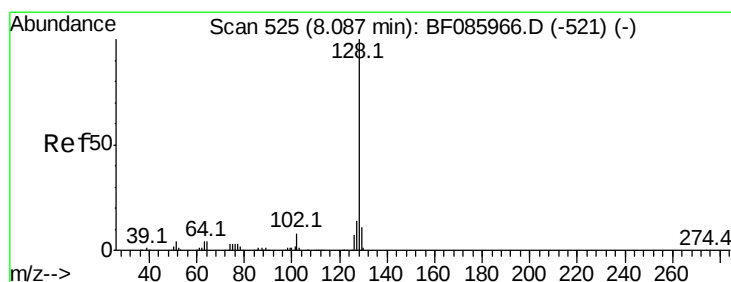
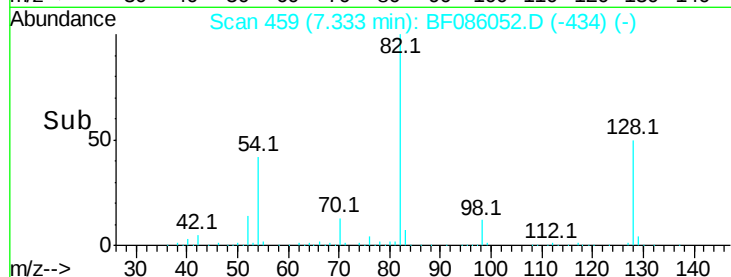
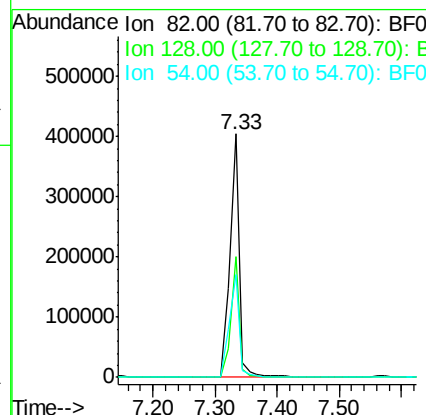
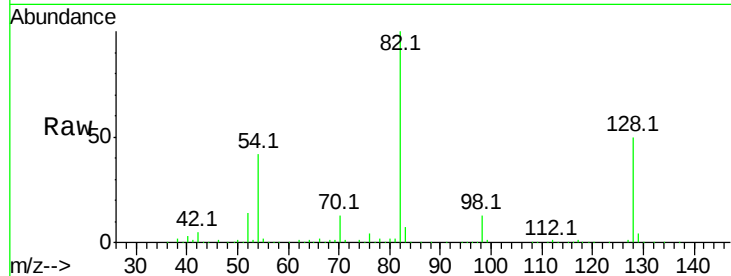
#23
 Nitrobenzene-d5
 Concen: 60.86 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: BF086052.D
 Acq: 4 Apr 2016 22:10

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B11COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.7	41.8	62.8	
54	42.1	33.4	50.0	

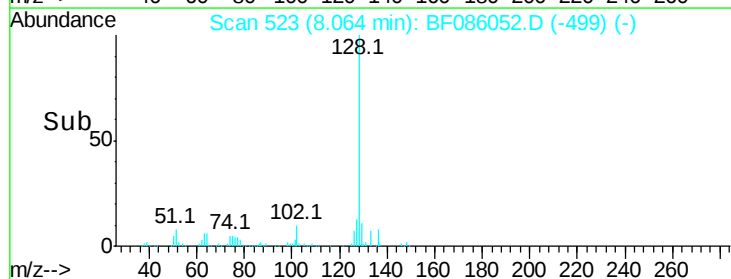
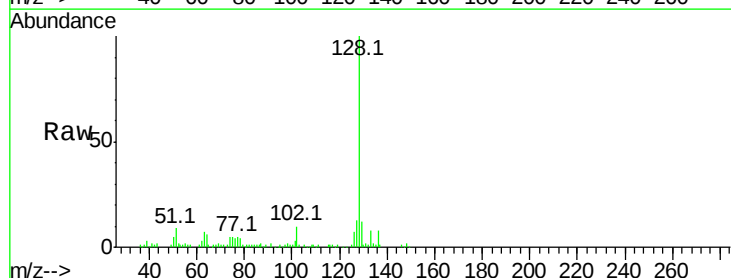
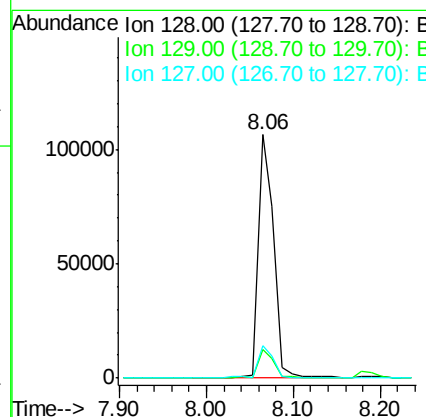
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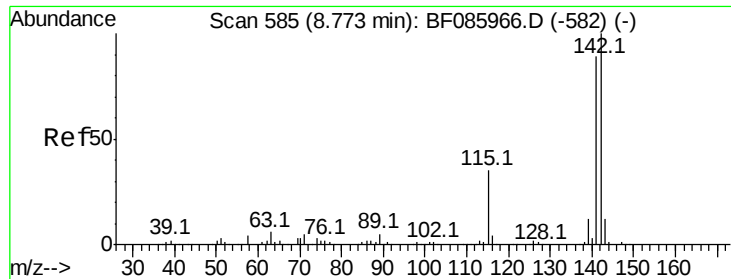
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#31
 Naphthalene
 Concen: 6.58 ng
 RT: 8.06 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: BF086052.D
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.7	9.4	14.0	
127	13.2	11.0	16.6	





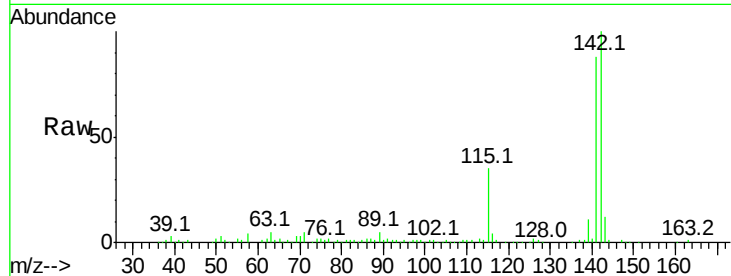
#37
2-Methylnaphthalene
Concen: 9.25 ng
RT: 8.76 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF086052.D
Acq: 4 Apr 2016 22:10

Instrument :
BNA_F
ClientSampleId :
TEC-B11COMP

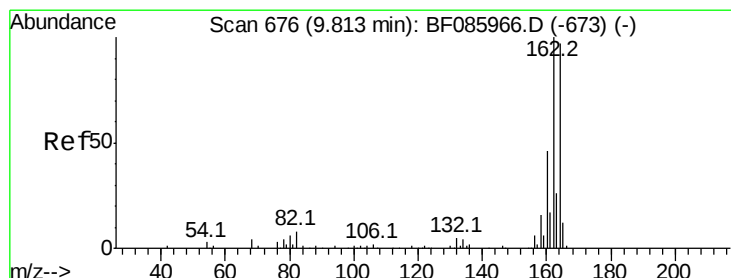
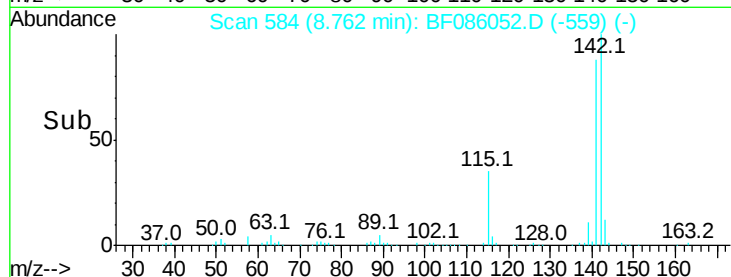
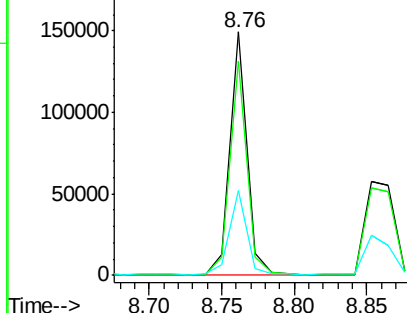
Tot Ion:	142	Resp:	122636
Ion Ratio	Lower	Upper	
142	100		
141	87.8	71.6	107.4
115	34.7	26.8	40.2

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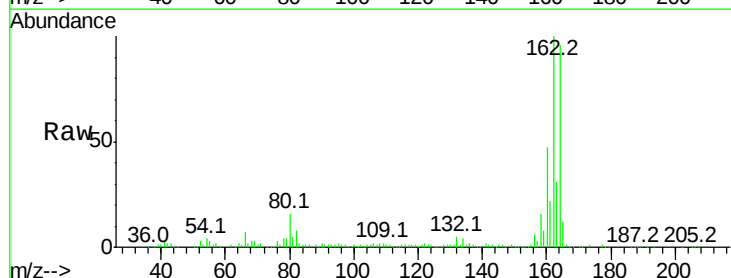


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

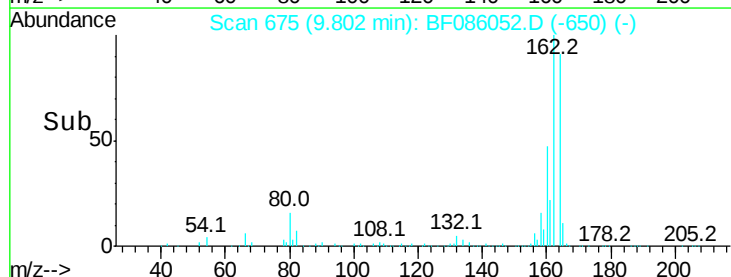
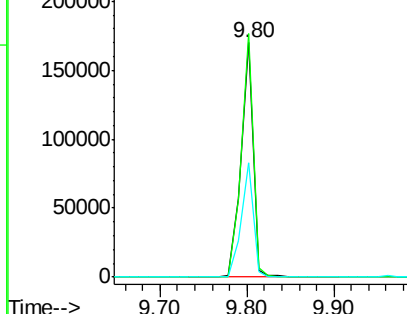


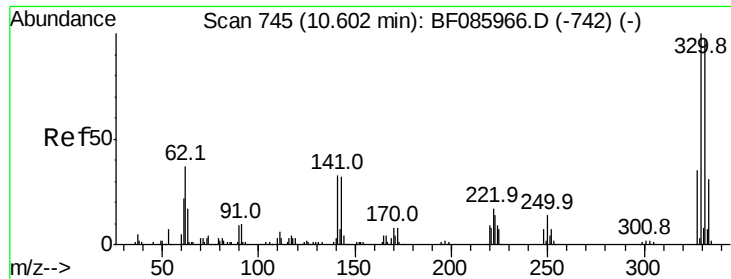
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF086052.D
Acq: 4 Apr 2016 22:10

Tgt Ion:	164	Resp:	163572
Ion Ratio	Lower	Upper	
164	100		
162	103.8	82.1	123.1
160	48.5	37.4	56.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





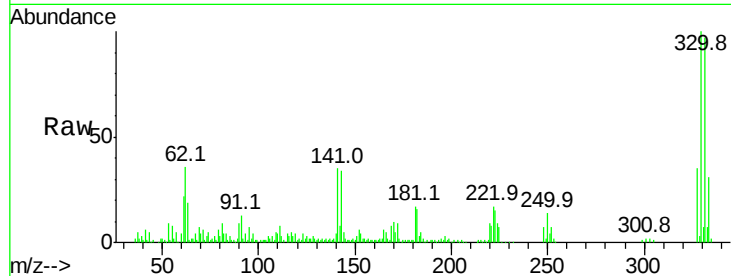
#41
 2,4,6-Tribromophenol
 Concen: 51.51 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF086052.D
 Acq: 4 Apr 2016 22:10

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B11COMP

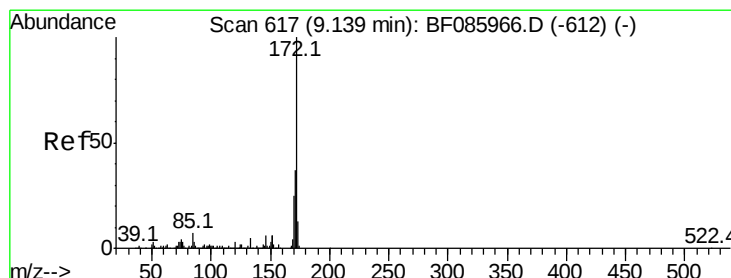
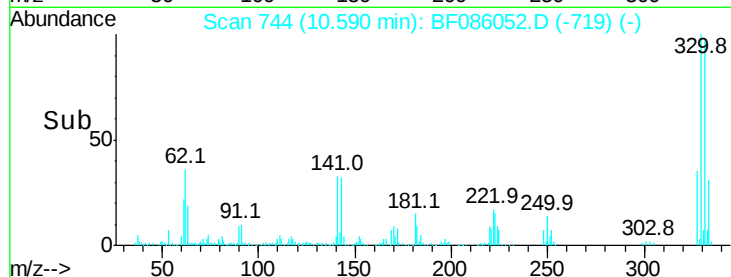
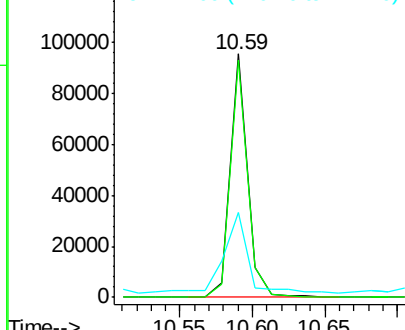
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.2	117.2
141	46.8	31.5	47.3

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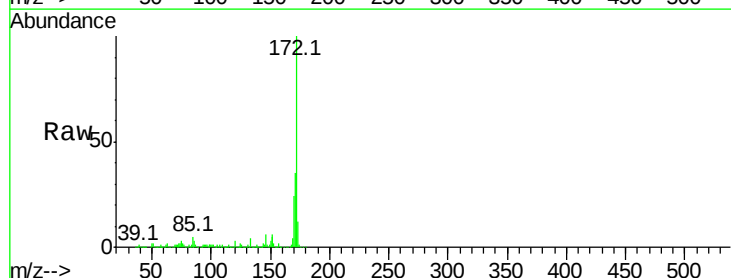


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

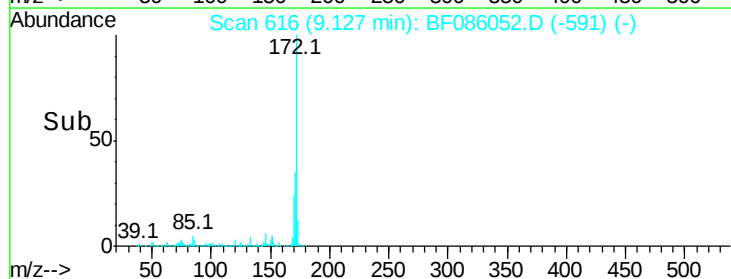
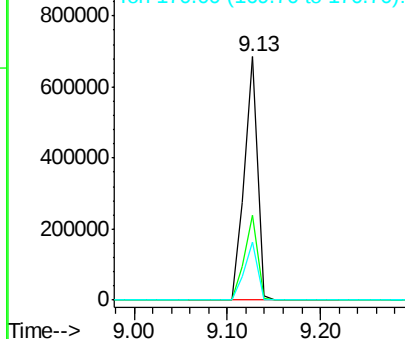


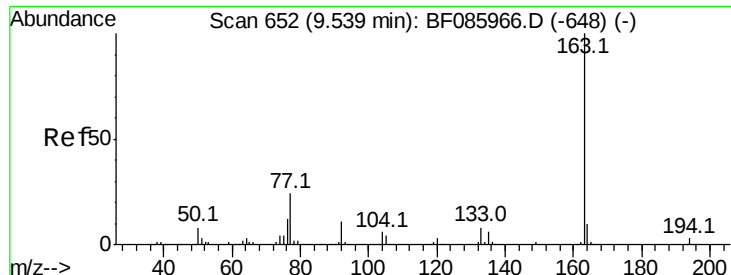
#44
 2-Fluorobiphenyl
 Concen: 68.25 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF086052.D
 Acq: 4 Apr 2016 22:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	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





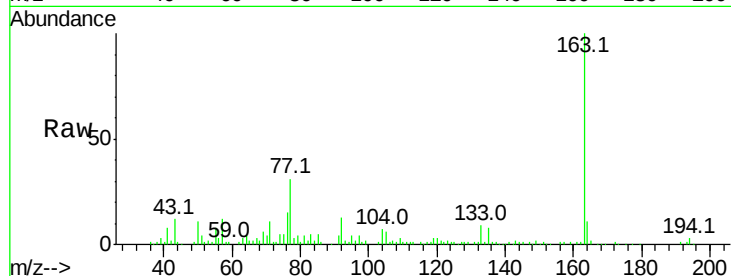
#49
Dimethylphthalate
Concen: 9.96 ng
RT: 9.52 min Scan# 650
Delta R.T. -0.02 min
Lab File: BF086052.D
Acq: 4 Apr 2016 22:10

Instrument :
BNA_F
ClientSampleId :
TEC-B11COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	120745		
194	3.0		2.9	4.3
164	10.9		8.3	12.5

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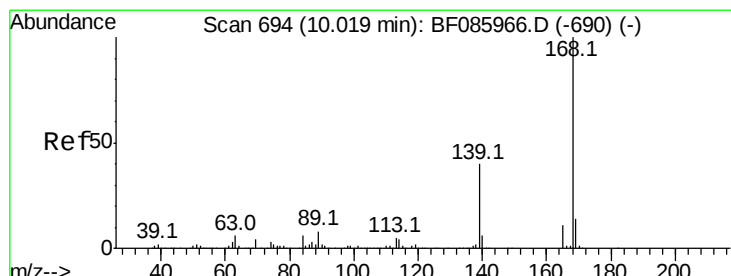
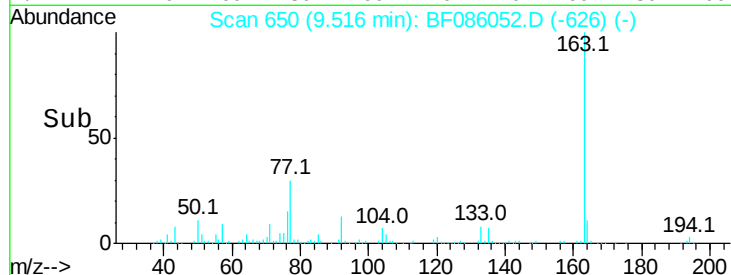
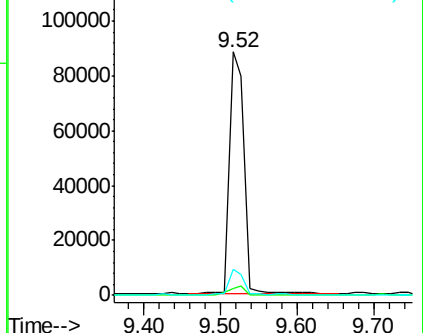


Abundance

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



#54
Dibenzofuran
Concen: 2.36 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF086052.D
Acq: 4 Apr 2016 22:10

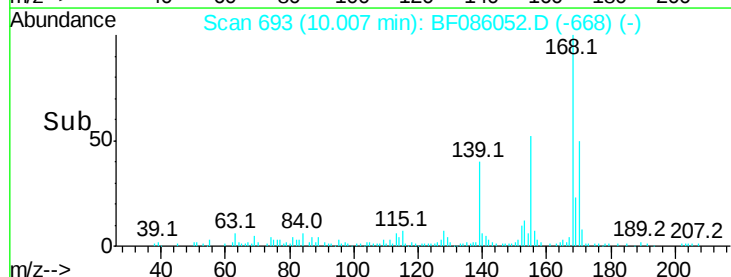
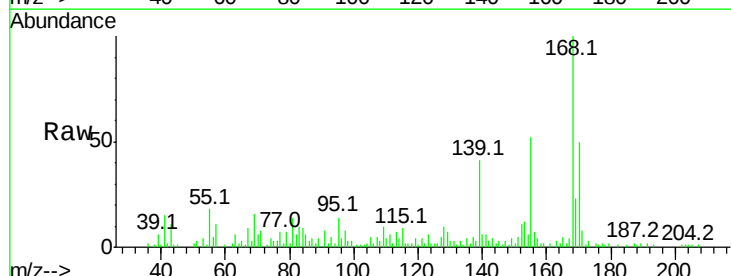
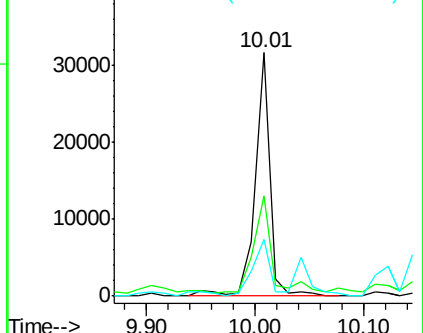
Tgt Ion	Ratio	Resp	Lower	Upper
168	100	30333		
139	41.1		31.9	47.9
169	23.2		11.0	16.6#

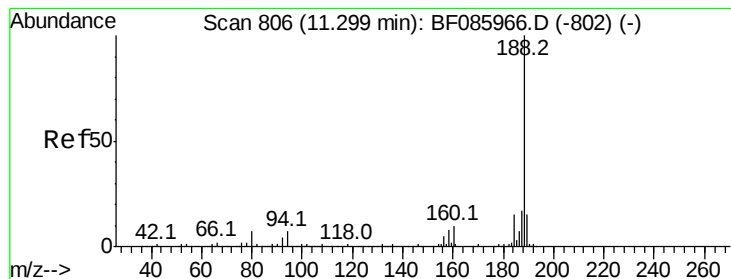
Abundance

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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF086052.D

Acq: 4 Apr 2016 22:10

Instrument :

BNA_F

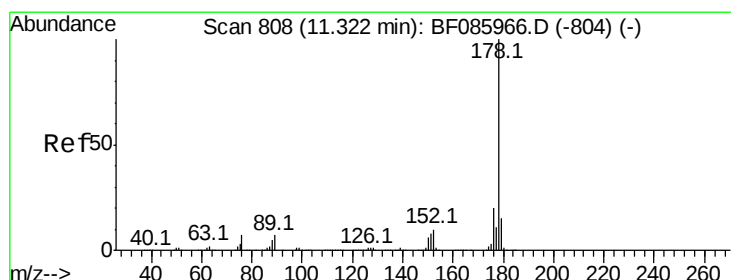
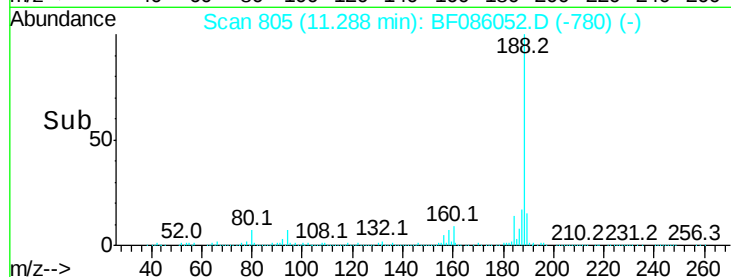
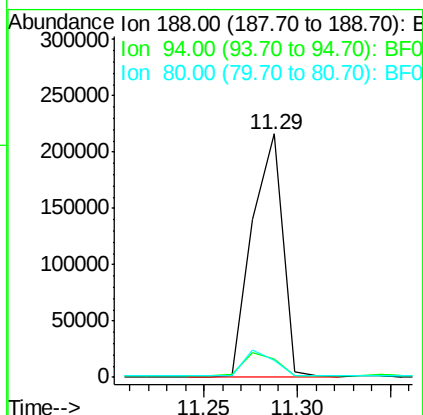
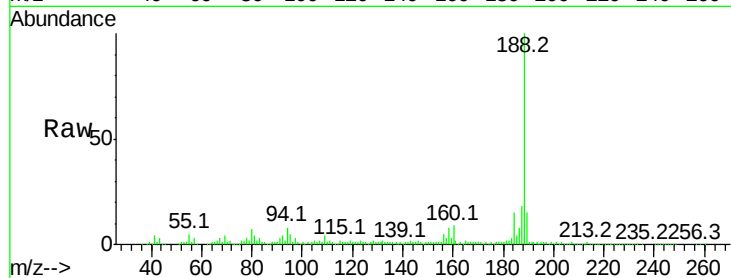
ClientSampleId :

TEC-B11COMP

Tot Ion:	188	Resp:	248434
Ion Ratio	Lower	Upper	
188	100		
94	7.6	5.4	8.0
80	7.2	5.5	8.3

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#70

Phenanthrene

Concen: 11.85 ng

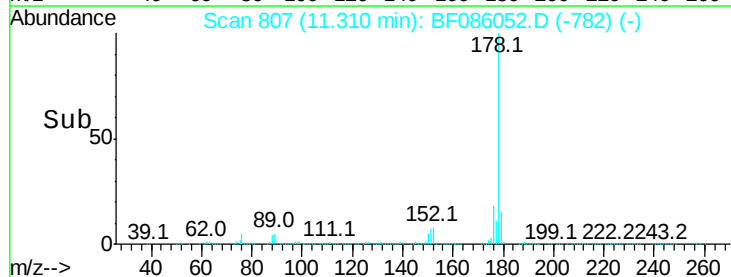
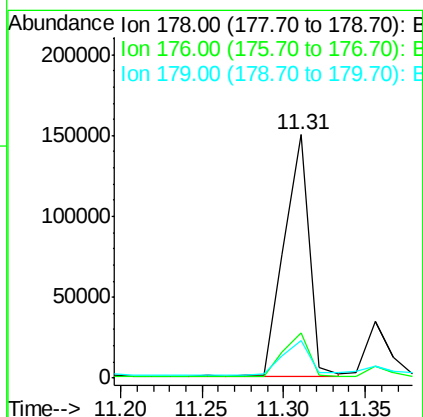
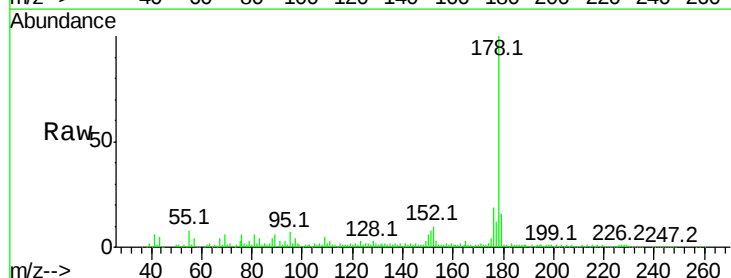
RT: 11.31 min Scan# 807

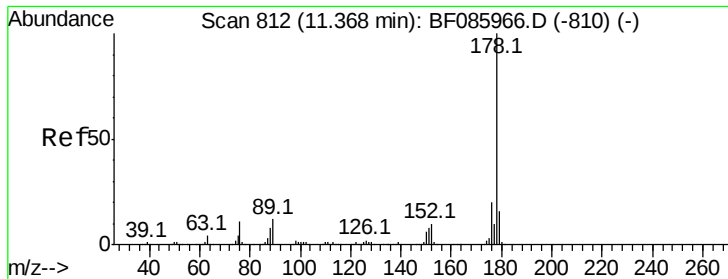
Delta R.T. -0.01 min

Lab File: BF086052.D

Acq: 4 Apr 2016 22:10

Tgt Ion:	178	Resp:	160641
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.3	24.5
179	15.6	12.6	18.8





#71

Anthracene

Concen: 2.49 ng/mL

RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF086052.D

Acq: 4 Apr 2016 22:10

Instrument :

BNA_F

ClientSampleId :

TEC-B11COMP

Tot Ion:178 Resp: 35397

Ion Ratio Lower Upper

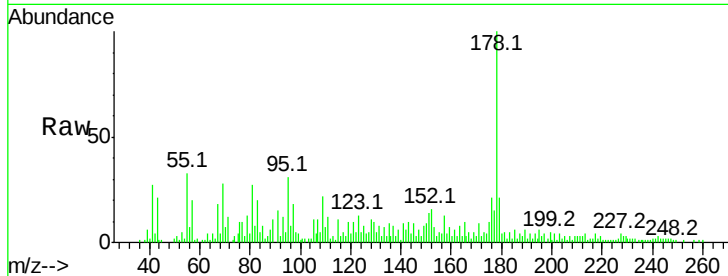
178 100

176 21.1 15.9 23.9

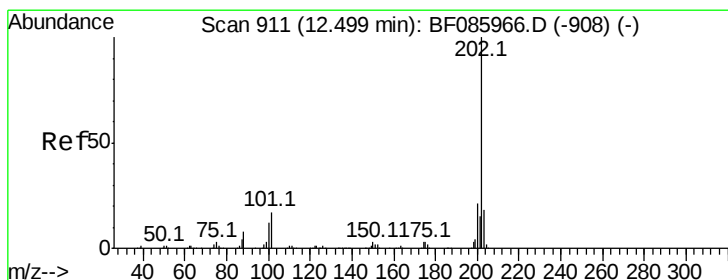
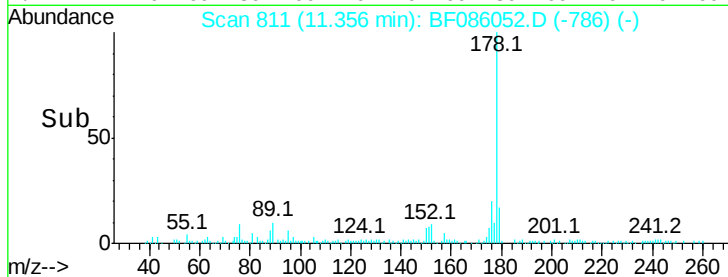
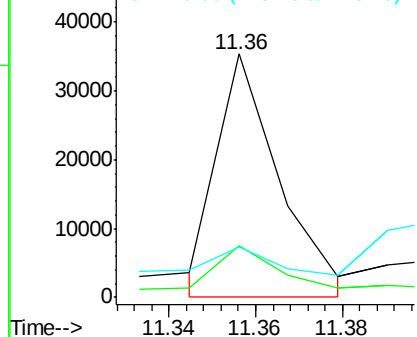
179 20.9 13.0 19.4

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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



#74

Fluoranthene

Concen: 11.65 ng

RT: 12.50 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF086052.D

Acq: 4 Apr 2016 22:10

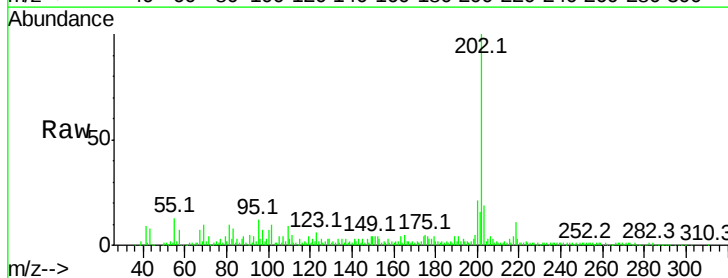
Tgt Ion:202 Resp: 164162

Ion Ratio Lower Upper

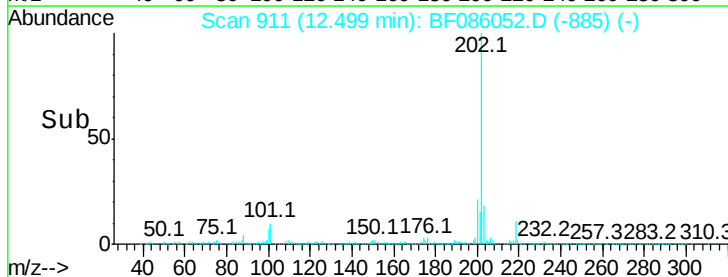
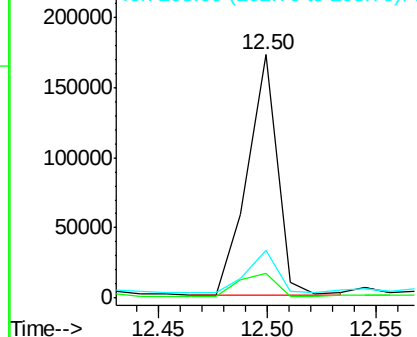
202 100

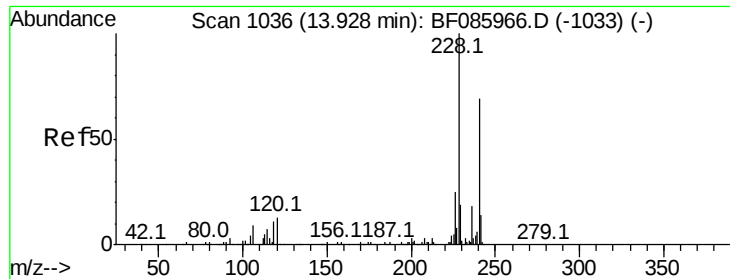
101 10.0 0.0 36.6

203 19.5 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: 13.93 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF086052.D

Acq: 4 Apr 2016 22:10

Instrument :

BNA_F

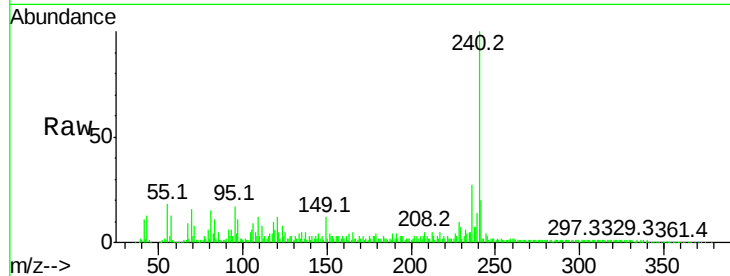
ClientSampleId :

TEC-B11COMP

Tot Ion:	240	Resp:	187599
Ion Ratio	Lower	Upper	
240	100		
120	12.0	13.8	20.8#
236	27.1	20.6	30.8

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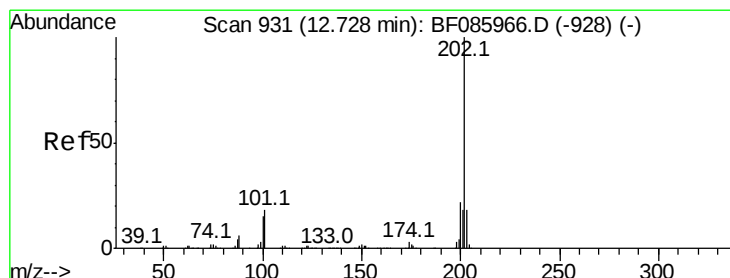
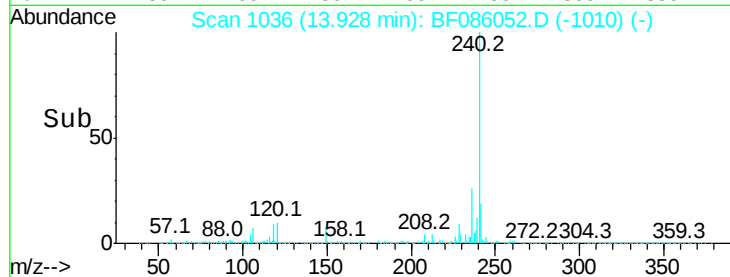
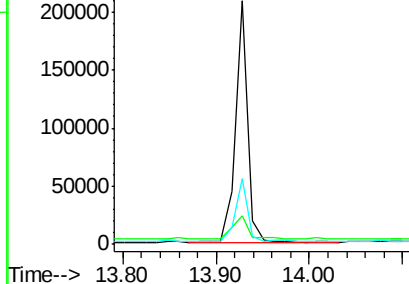
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 12.77 ng

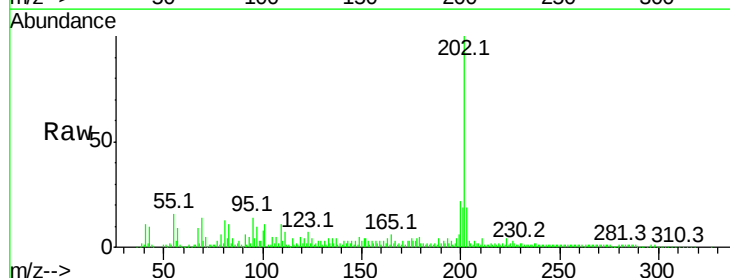
RT: 12.73 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF086052.D

Acq: 4 Apr 2016 22:10

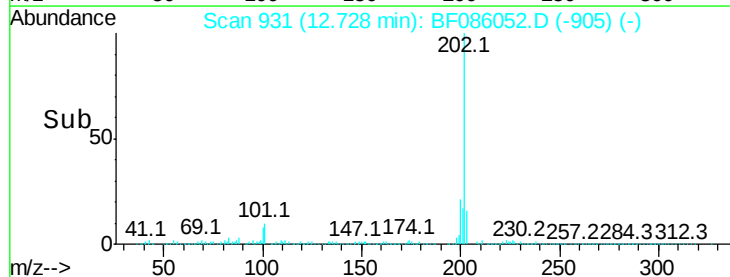
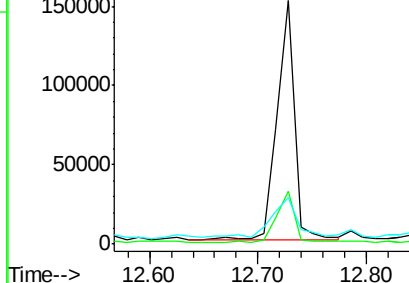
Tgt Ion:	202	Resp:	168795
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.6	26.4
203	19.1	14.0	21.0

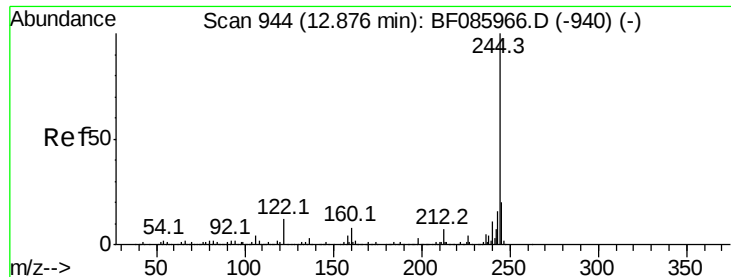


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 53.60 ng

RT: 12.86 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF086052.D

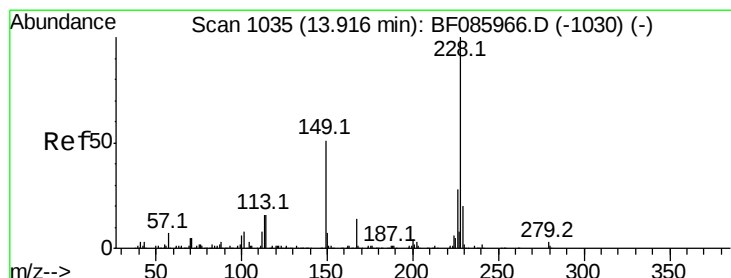
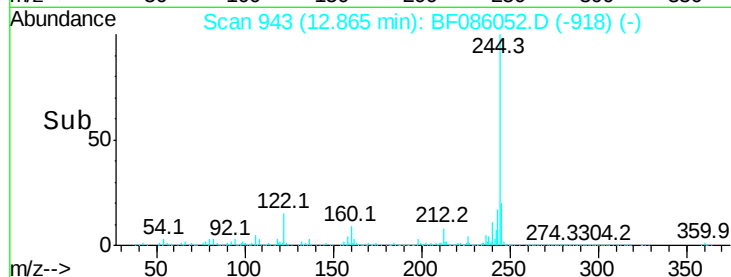
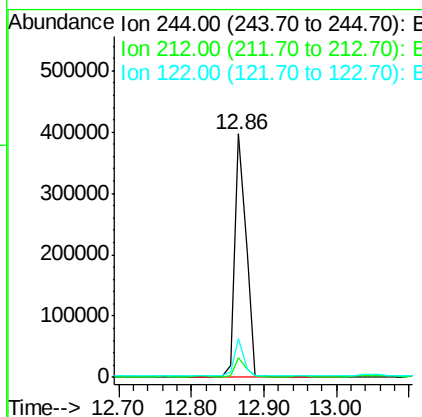
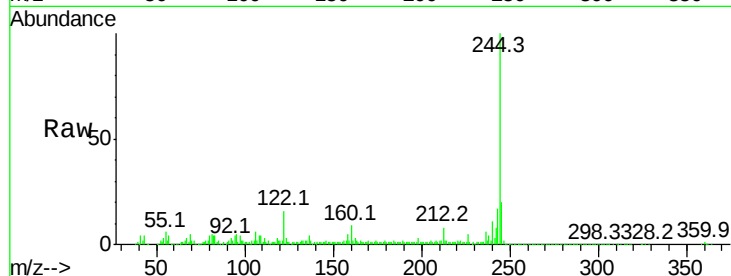
Acq: 4 Apr 2016 22:10

Instrument :
BNA_F
ClientSampleId :
TEC-B11COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.1	9.1
122	15.9	10.2	15.4

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#80

Benzo(a)anthracene

Concen: 7.04 ng

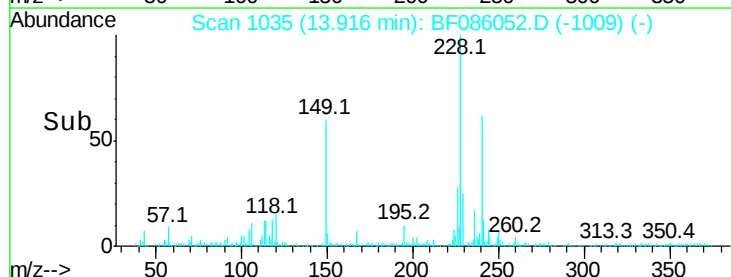
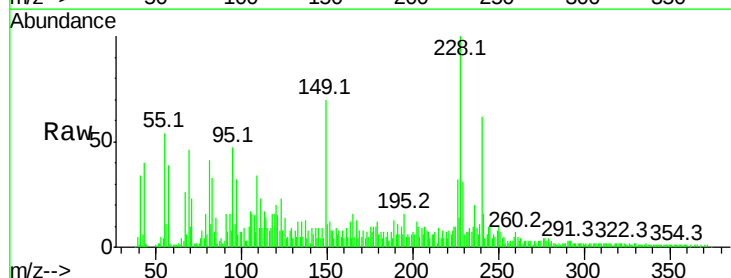
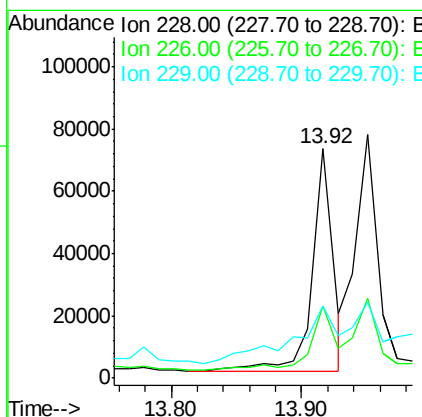
RT: 13.92 min Scan# 1035

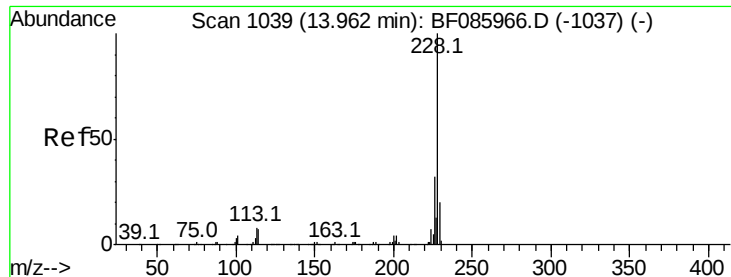
Delta R.T. -0.00 min

Lab File: BF086052.D

Acq: 4 Apr 2016 22:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.1	33.1
229	31.2	16.2	24.4





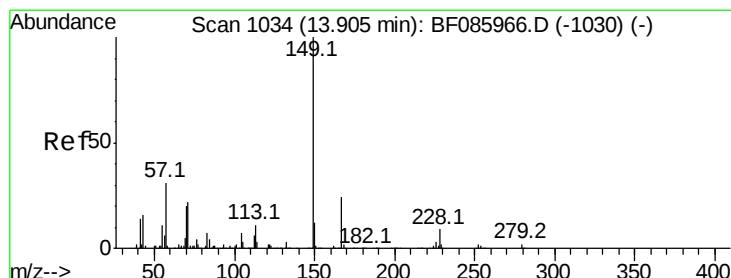
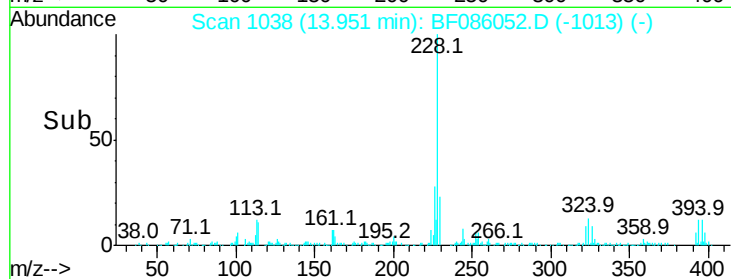
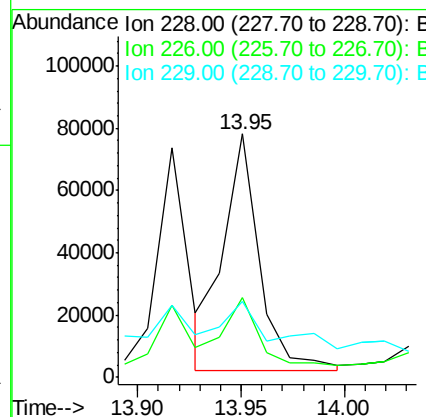
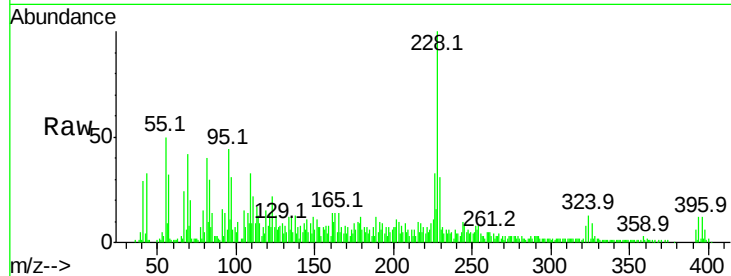
#82
Chrysene
Concen: 8.67 ng/ml
RT: 13.95 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF086052.D
Acq: 4 Apr 2016 22:10

Instrument :
BNA_F
ClientSampleId :
TEC-B11COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.6	25.0	37.6
229	31.1	15.7	23.5

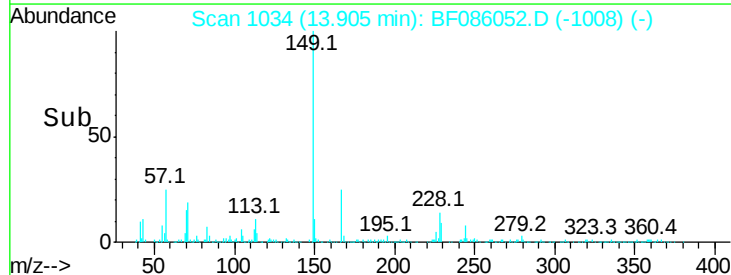
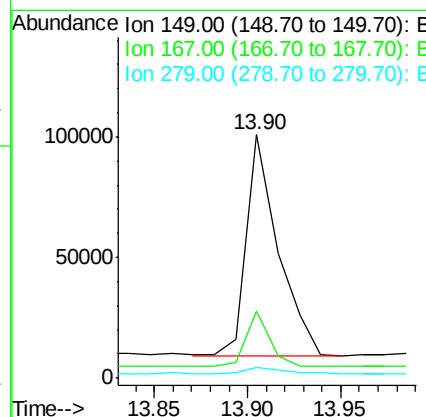
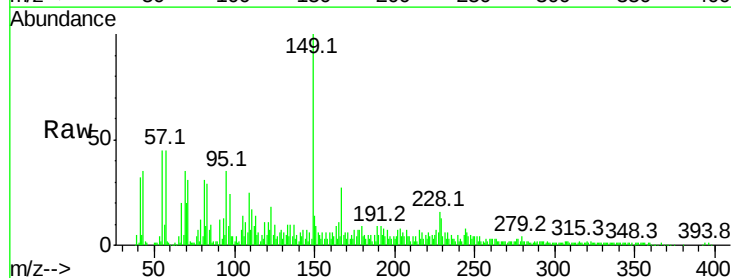
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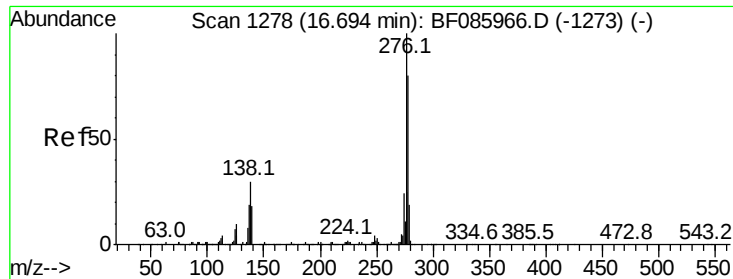
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#83
Bis(2-ethylhexyl)phthalate
Concen: 13.90 ng
RT: 13.90 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF086052.D
Acq: 4 Apr 2016 22:10

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.3	19.4	29.2
279	4.3	1.5	2.3





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.00 ng

RT: 16.72 min Scan# 1280

Delta R.T. 0.02 min

Lab File: BF086052.D

Acq: 4 Apr 2016 22:10

Instrument :

BNA_F

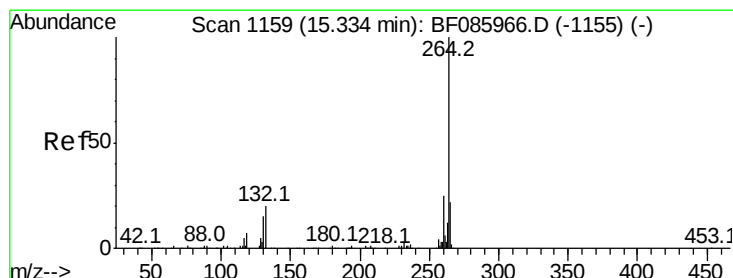
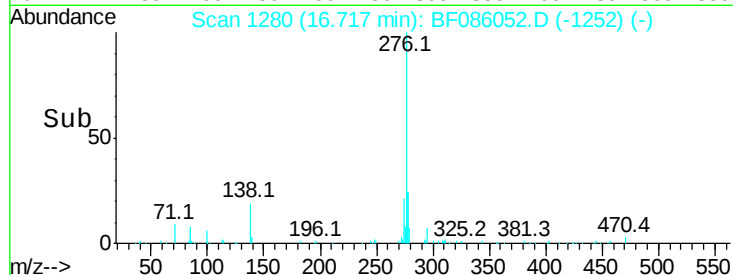
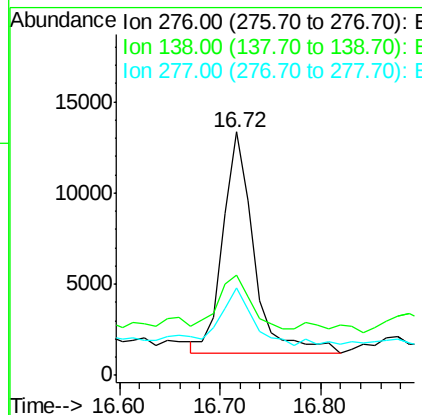
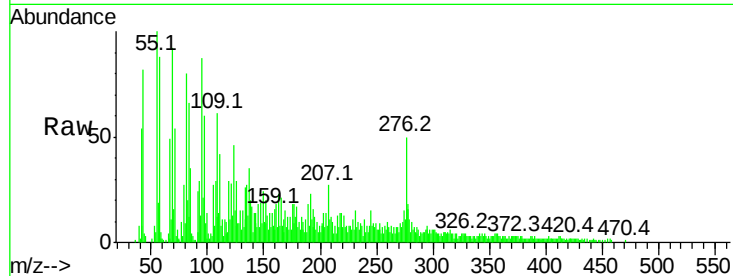
ClientSampleId :

TEC-B11COMP

Tot Ion:	276	Resp:	25936
Ion Ratio	Lower	Upper	
276	100		
138	25.1	24.2	36.4
277	25.1	20.0	30.0

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#86

Perylene-d12

Concen: 20.00 ng

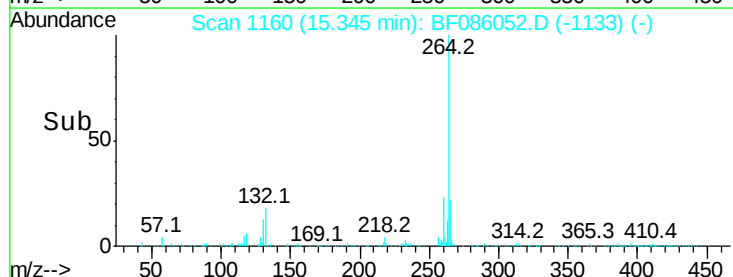
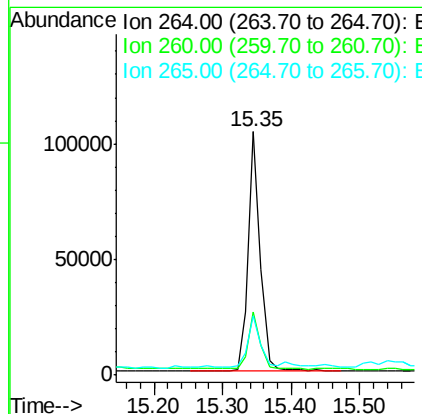
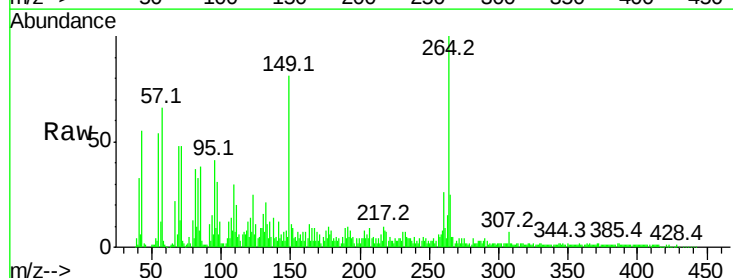
RT: 15.35 min Scan# 1160

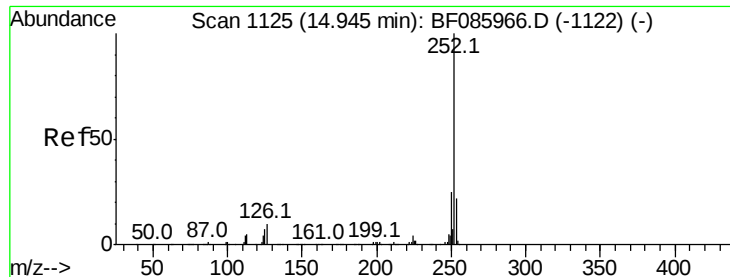
Delta R.T. 0.01 min

Lab File: BF086052.D

Acq: 4 Apr 2016 22:10

Tgt Ion:	264	Resp:	126268
Ion Ratio	Lower	Upper	
264	100		
260	25.9	19.4	29.2
265	24.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.81 ng m

RT: 14.95 min Scan# 1125

Delta R.T. -0.00 min

Lab File: BF086052.D

Acq: 4 Apr 2016 22:10

Instrument :

BNA_F

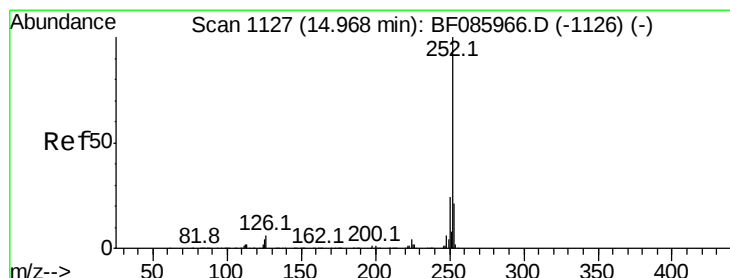
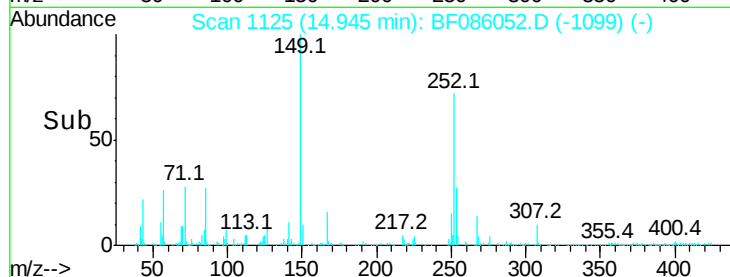
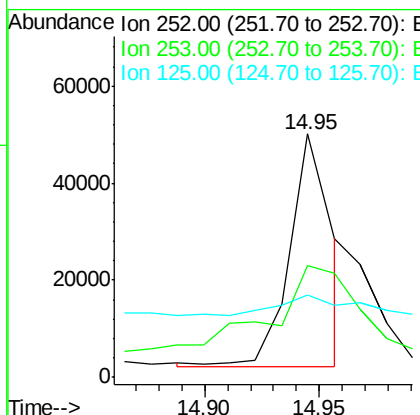
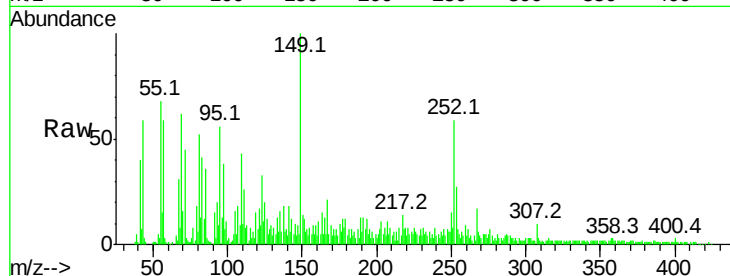
ClientSampleId :

TEC-B11COMP

Tot Ion:	252	Resp:	62000
Ion Ratio	Lower	Upper	
252	100		
253	46.1	17.6	26.4#
125	33.8	10.3	15.5#

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#88

Benzo(k)fluoranthene

Concen: 3.21 ng m

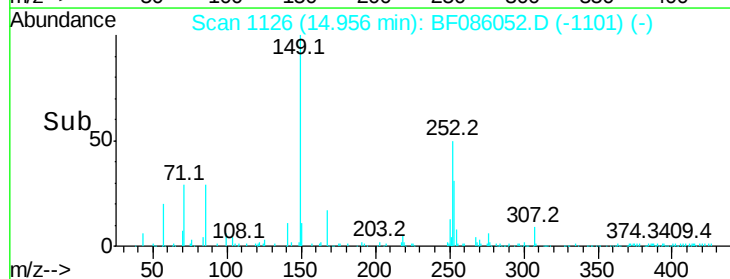
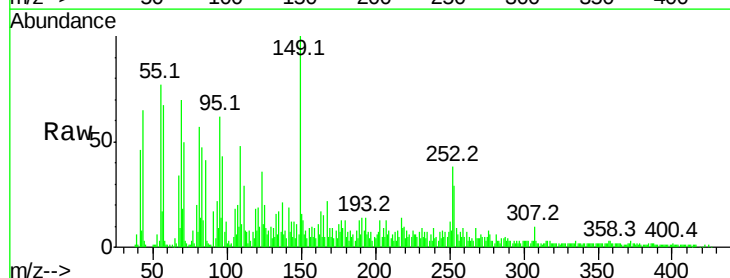
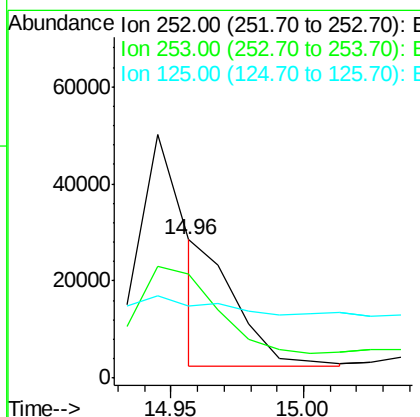
RT: 14.96 min Scan# 1126

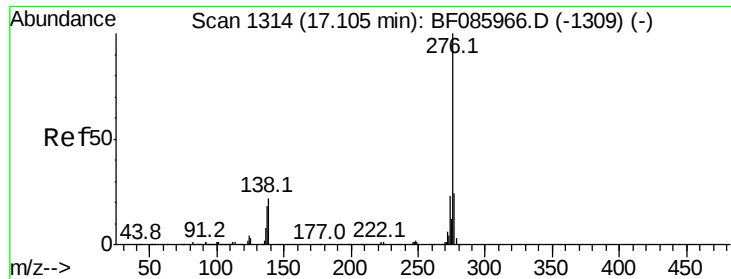
Delta R.T. -0.01 min

Lab File: BF086052.D

Acq: 4 Apr 2016 22:10

Tgt Ion:	252	Resp:	22561
Ion Ratio	Lower	Upper	
252	100		
253	75.2	17.8	26.6#
125	51.9	7.7	11.5#





#91
 Benzo(a,h,i)perylene
 Concen: 4.74 ng
 RT: 17.13 min Scan# 1316
 Delta R.T. 0.02 min
 Lab File: BF086052.D
 Acq: 4 Apr 2016 22:10

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B11COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	34.8	18.8	28.2#
138	40.0	22.6	34.0#

Manual Integrations
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