

Data Path : S:\HPCHEM1\BNA_G\DATA\BG072015\
 Data File : BG017997.D
 Acq On : 20 Jul 2015 20:02
 Operator : TP/UM
 Sample : G2994-27
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TEC-COMP

Manual Integrations
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 7/22/2015 9:43:35 AM

Quant Time: Jul 21 01:37:12 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 18 01:50:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	111540	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	462874	20.00	ng	0.00
38) Acenaphthene-d10	14.25	164	262673	20.00	ng	0.00
63) Phenanthrene-d10	17.00	188	503156	20.00	ng	0.00
75) Chrysene-d12	21.20	240	522947	20.00	ng	0.00
86) Perylene-d12	23.42	264	529668	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	983376	153.80	ng	0.01
7) Phenol-d6	6.78	99	1256783	150.03	ng	0.01
23) Nitrobenzene-d5	8.75	82	748262	104.70	ng	0.00
41) 2,4,6-Tribromophenol	15.74	330	477280	179.34	ng	0.00
44) 2-Fluorobiphenyl	12.86	172	1503258	99.17	ng	0.00
78) Terphenyl-d14	19.65	244	1816648	87.51	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.91	79	11618	1.88	ng	# 46
31) Naphthalene	10.41	128	57843	2.55	ng	99
37) 2-Methylnaphthalene	12.04	142	17426	1.07	ng	95
49) Dimethylphthalate	13.70	163	415410	22.77	ng	100
50) 2,6-Dinitrotoluene	13.70	165	4819	1.17	ng	# 8
51) Acenaphthene	14.31	154	137354	9.13	ng	95
54) Dibenzofuran	14.65	168	80365	3.70	ng	98
57) Fluorene	15.30	166	130081	6.97	ng	97
70) Phenanthrene	17.04	178	1423578	54.85	ng	97
71) Anthracene	17.13	178	394690	15.63	ng	99
72) Carbazole	17.41	167	194684	8.16	ng	98
74) Fluoranthene	19.08	202	1999113	70.36	ng	96
77) Pyrene	19.43	202	1743686	59.79	ng	96
80) Benzo(a)anthracene	21.18	228	1057234	38.28	ng	99
82) Chrysene	21.24	228	959729	36.48	ng	97
83) Bis(2-ethylhexyl)phthalate	21.13	149	144616	8.04	ng	# 99
85) Indeno(1,2,3-cd)pyrene	25.67	276	460373	14.47	ng	# 86
87) Benzo(b)fluoranthene	22.76	252	1204003m	41.55	ng	
88) Benzo(k)fluoranthene	22.79	252	527939m	18.24	ng	
89) Benzo(a)pyrene	23.33	252	899176	33.30	ng	98
90) Dibenzo(a,h)anthracene	25.69	278	106704	3.81	ng	96
91) Benzo(g,h,i)perylene	26.36	276	416666	15.43	ng	94

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

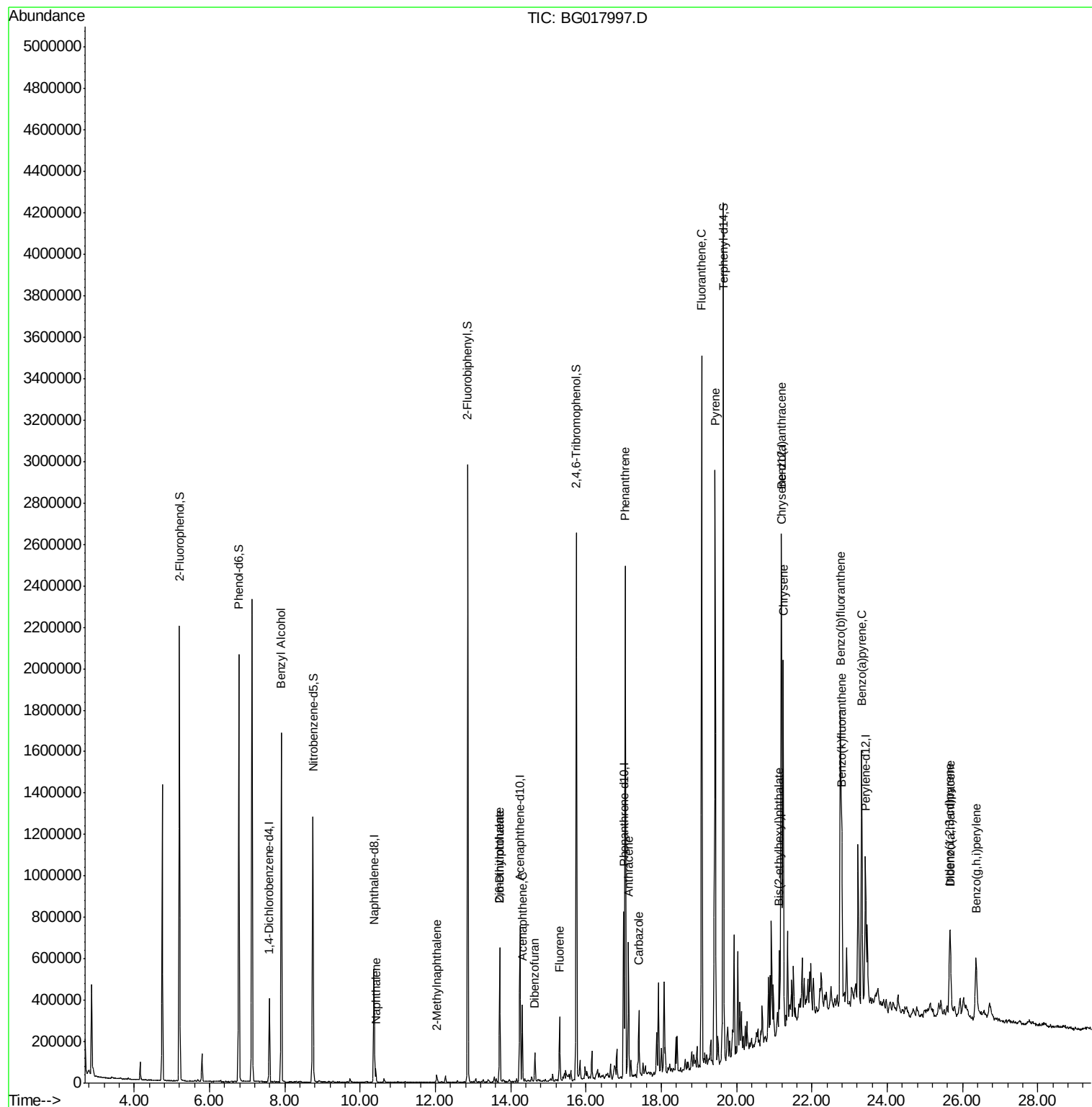
Data Path : S:\HPCHEM1\BNA_G\DATA\BG072015\
Data File : BG017997.D
Acq On : 20 Jul 2015 20:02
Operator : TP/UM
Sample : G2994-27
Misc :
ALS Vial : 17 Sample Multiplier: 1

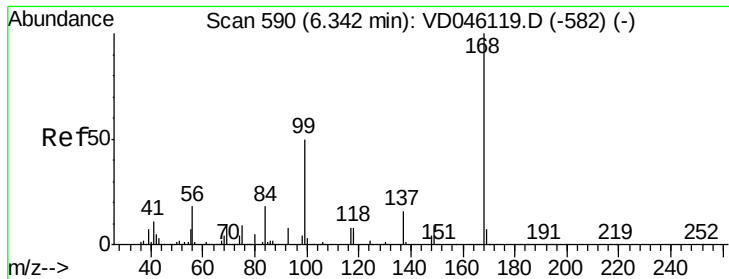
Instrument :
BNA_G
ClientSampleId :
TEC-COMP

Manual Integrations
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Quant Time: Jul 21 01:37:12 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 18 01:50:30 2015
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#1

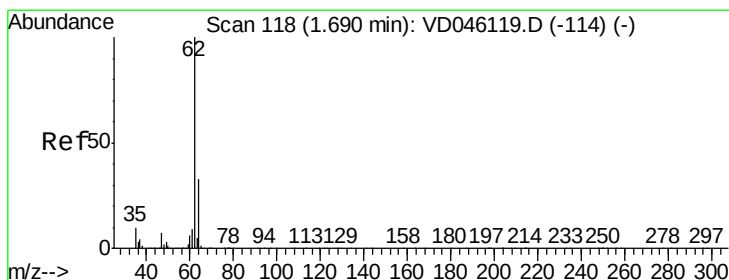
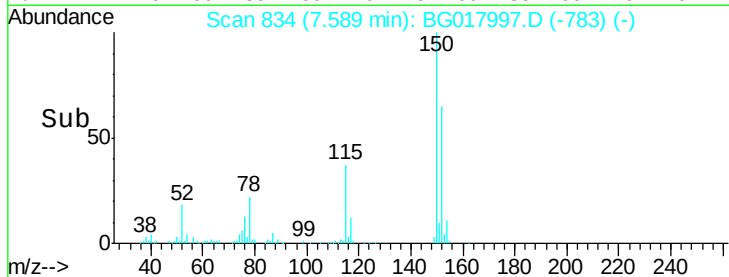
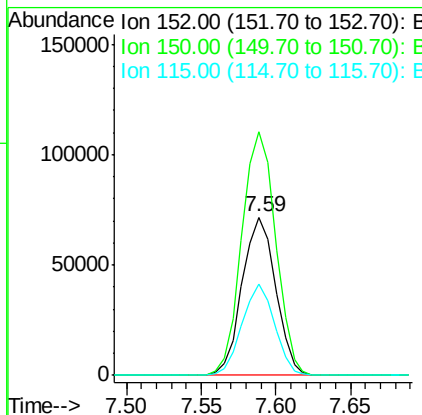
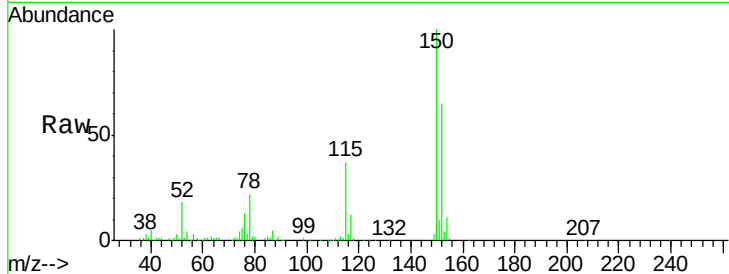
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.59 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Instrument :
BNA_G
ClientSampleId :
TEC-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	111540		
150	153.8	119.1	178.7	
115	57.6	47.0	70.4	

Manual Integrations
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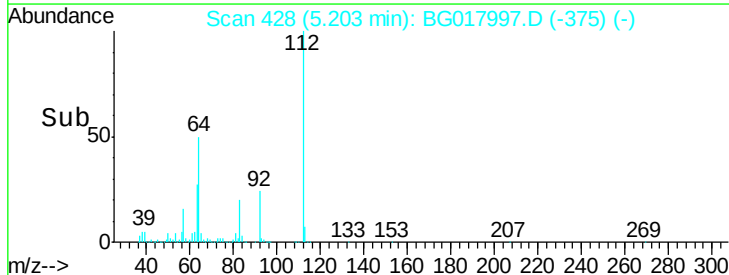
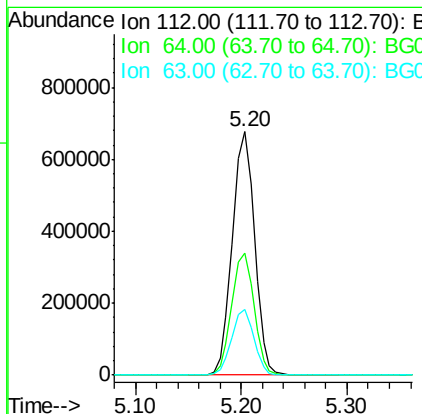
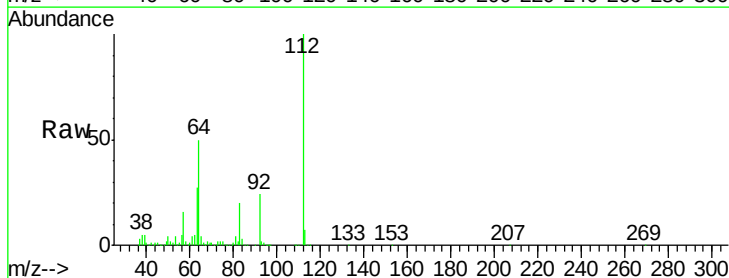
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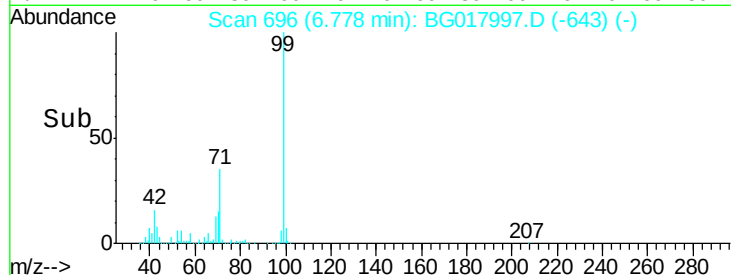
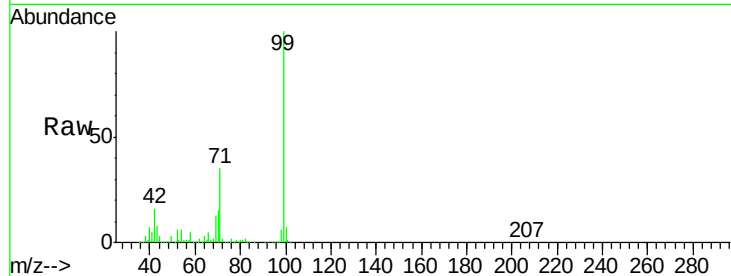
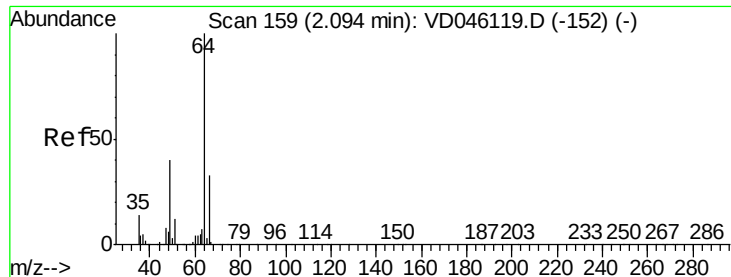


#5

2-Fluorophenol
Concen: Below ng
RT: 5.20 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	983376		
64	50.3	45.4	68.0	
63	26.8	25.3	37.9	





#7

Phenol-d6

Concen: Below ng

RT: 6.78 min Scan# 696

Delta R.T. 0.01 min

Lab File: BG017997.D

Acq: 20 Jul 2015 20:02

Tgt Ion:	99	Resp:	1256783
Ion	Ratio	Lower	Upper
99	100		
42	16.0	16.2	24.4#
71	35.2	29.5	44.3

Instrument :

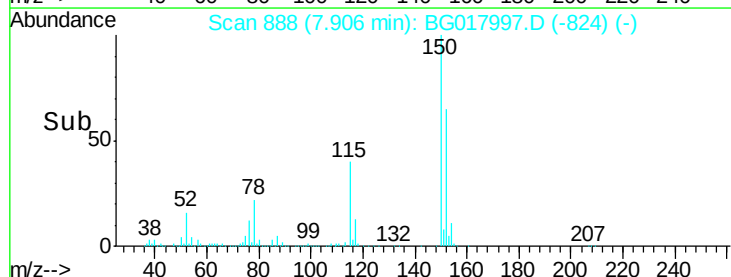
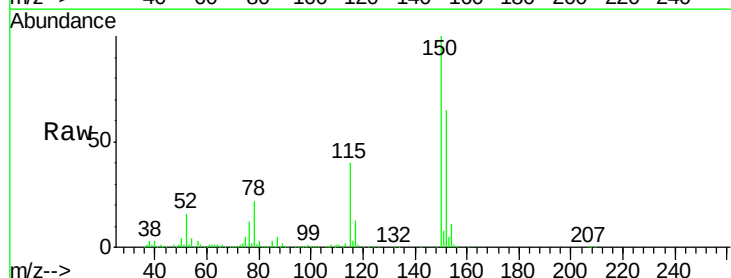
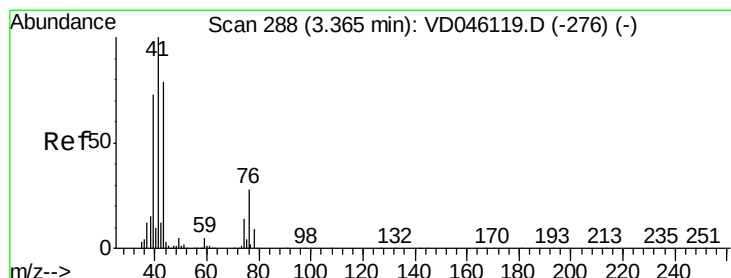
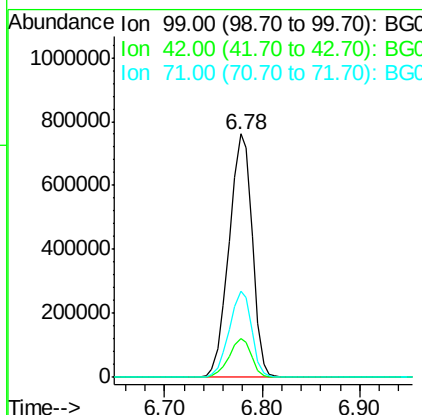
BNA_G

ClientSampleId :

TEC-COMP

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#15

Benzyl Alcohol

Concen: 1.88 ng

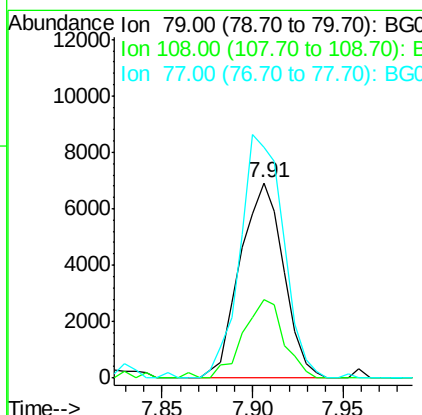
RT: 7.91 min Scan# 888

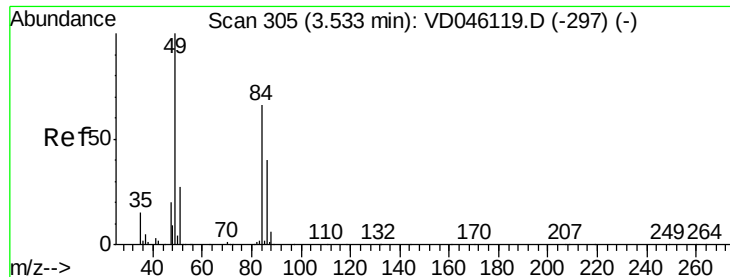
Delta R.T. 0.08 min

Lab File: BG017997.D

Acq: 20 Jul 2015 20:02

Tgt Ion:	79	Resp:	11618
Ion	Ratio	Lower	Upper
79	100		
108	40.4	58.4	87.6#
77	118.3	49.9	74.9#





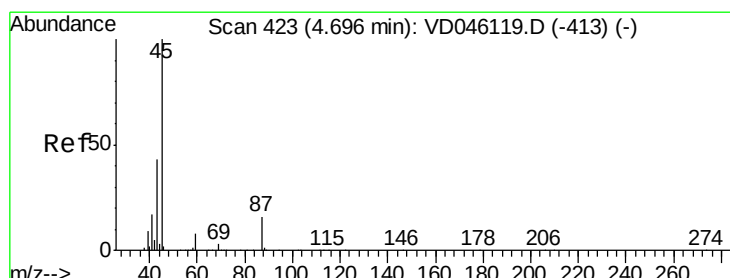
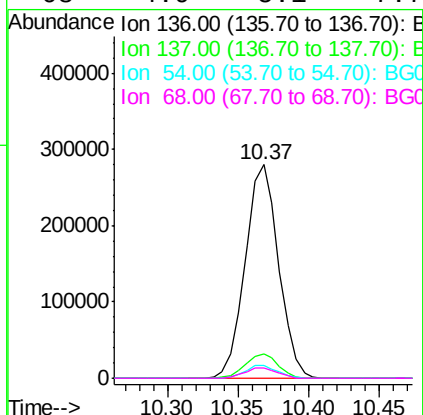
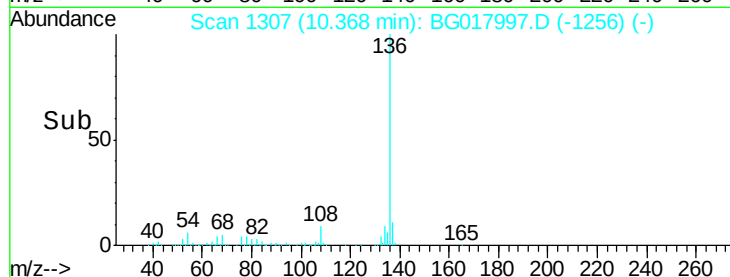
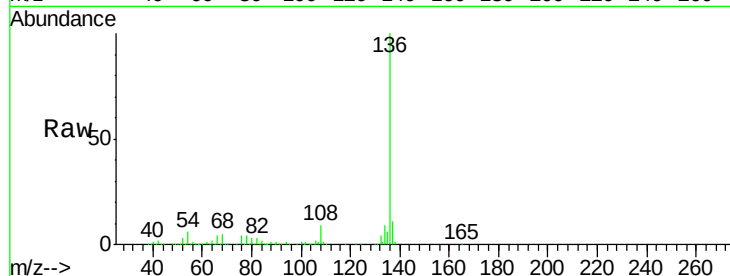
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.37 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Instrument :
BNA_G
ClientSampleId :
TEC-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	462874		
137	11.3	8.8	13.2	
54	5.8	6.6	9.8#	
68	4.9	5.1	7.7#	

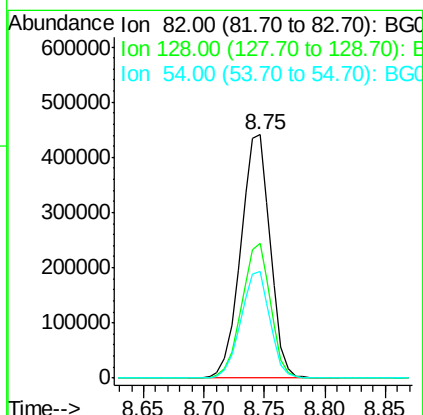
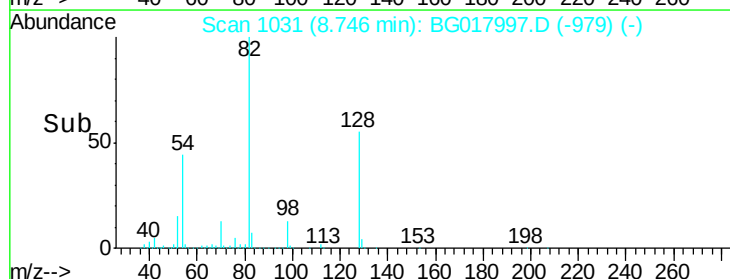
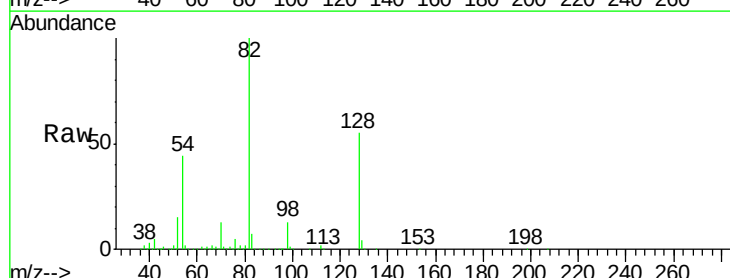
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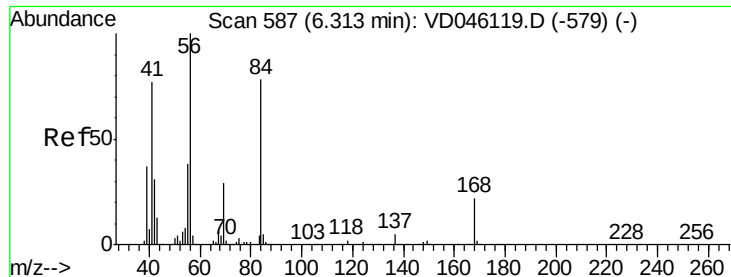
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#23
Nitrobenzene-d5
Concen: Below ng
RT: 8.75 min Scan# 1031
Delta R.T. 0.01 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

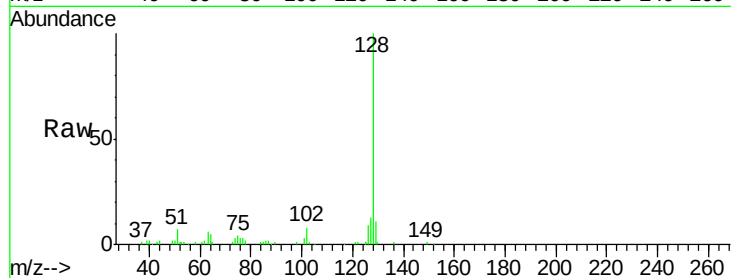
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	748262		
128	55.3	37.8	56.6	
54	43.8	39.9	59.9	





#31
Naphthalene
Concen: 2.55 ng
RT: 10.41 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

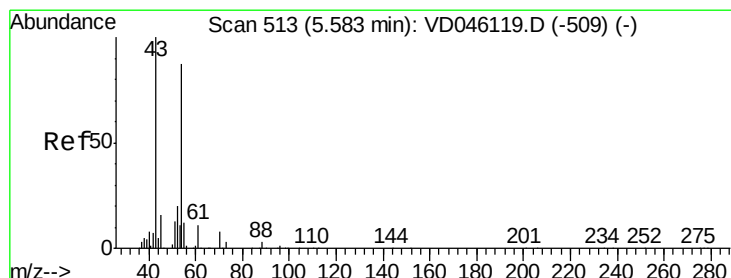
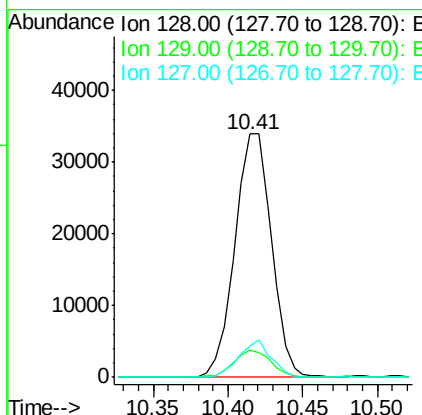
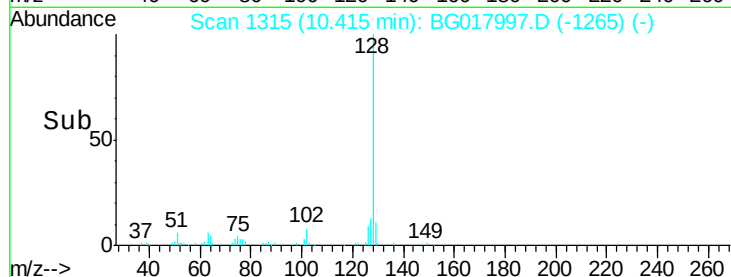
Instrument :
BNA_G
ClientSampleId :
TEC-COMP



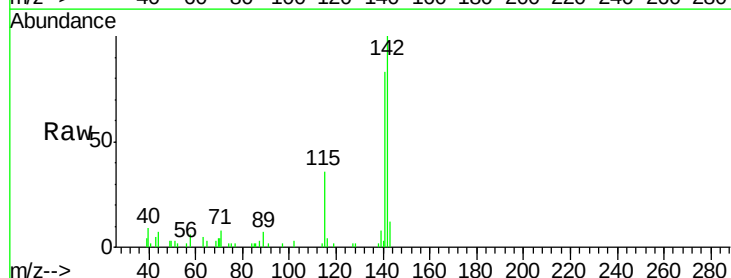
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	12.7	10.7	16.1

Manual Integrations
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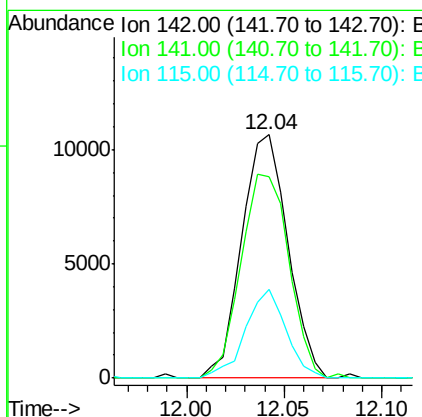
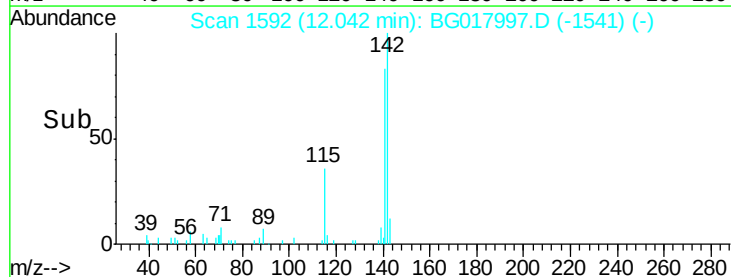
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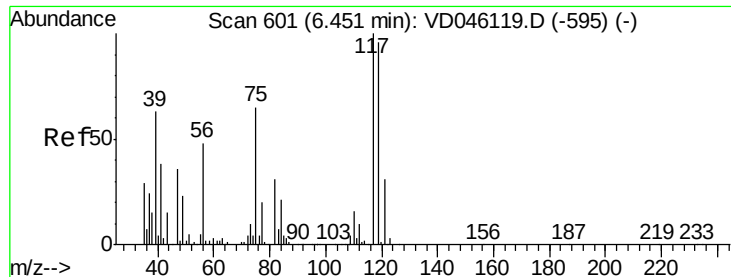


#37
2-Methylnaphthalene
Concen: 1.07 ng
RT: 12.04 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02



Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.7	70.7	106.1
115	36.4	27.8	41.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.25 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BG017997.D

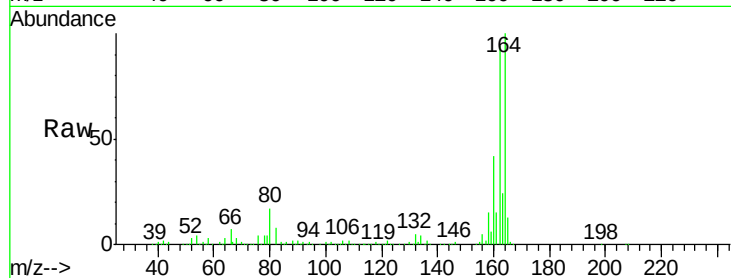
Acq: 20 Jul 2015 20:02

Instrument :

BNA_G

ClientSampleId :

TEC-COMP



Tgt Ion:164 Resp: 262673

Ion Ratio Lower Upper

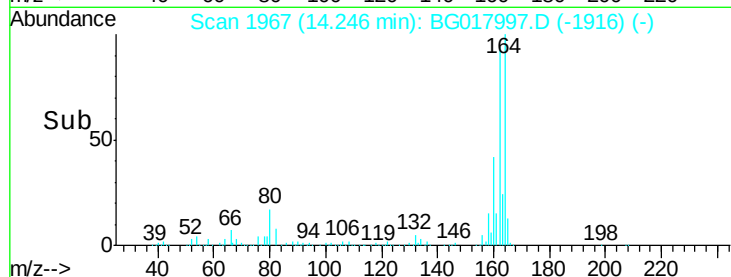
164 100

162 94.5 76.3 114.5

160 42.3 33.7 50.5

Manual Integrations
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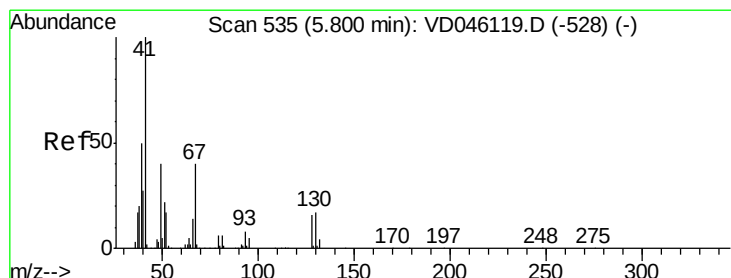
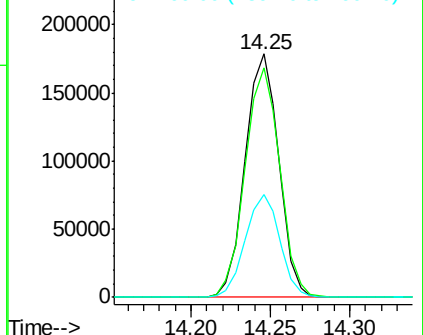
apatel
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: Below ng

RT: 15.74 min Scan# 2222

Delta R.T. 0.00 min

Lab File: BG017997.D

Acq: 20 Jul 2015 20:02

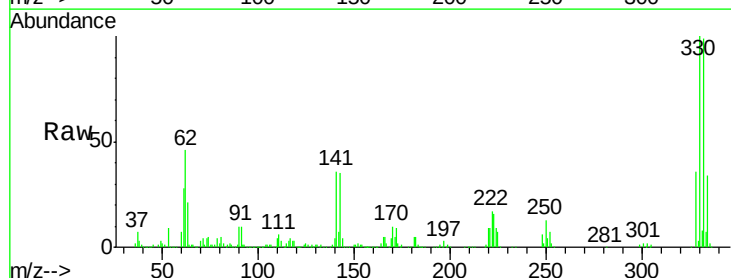
Tgt Ion:330 Resp: 477280

Ion Ratio Lower Upper

330 100

332 96.2 76.8 115.2

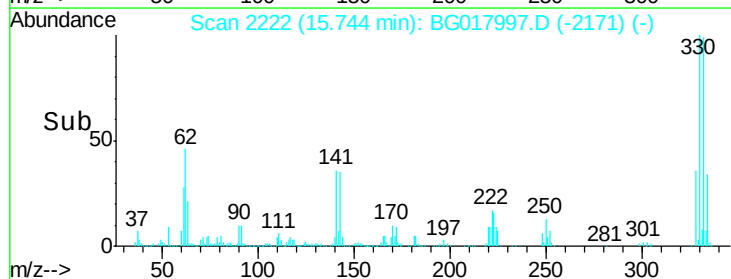
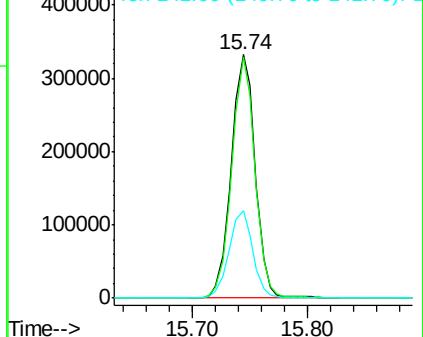
141 35.9 38.0 57.0#

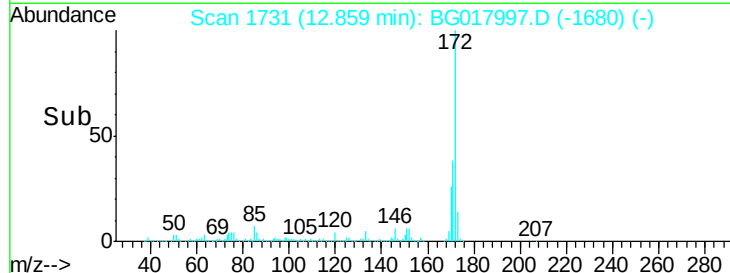
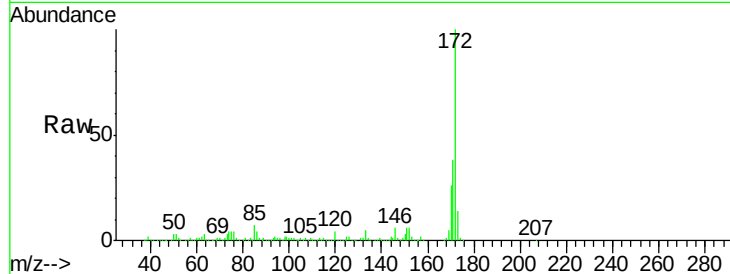
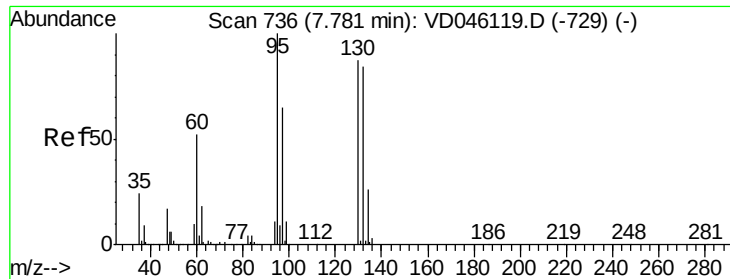


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





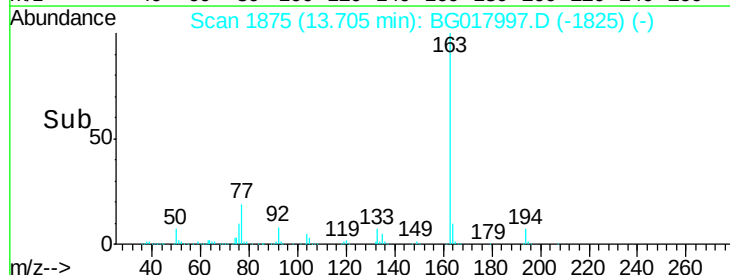
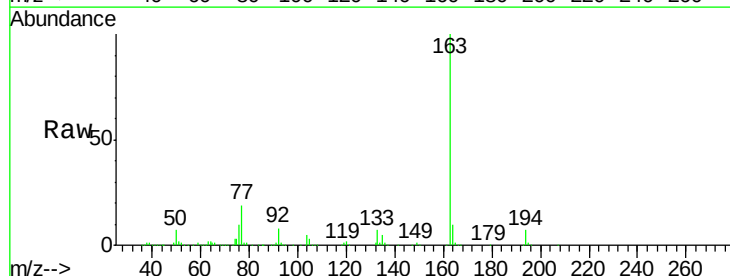
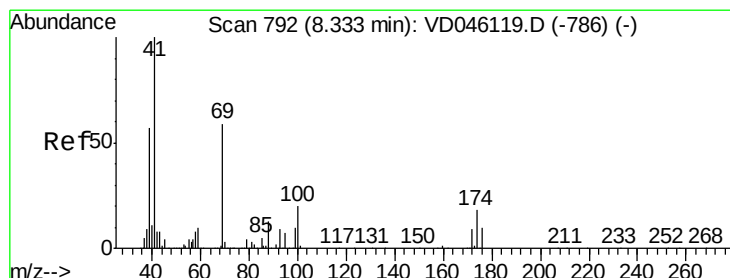
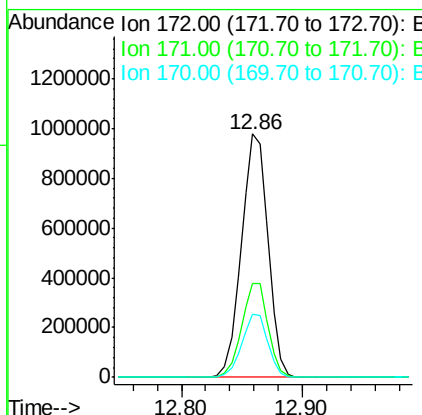
#44
2-Fluorobiphenyl
Concen: N.D. ng
RT: 12.86 min Scan# 1731
Delta R.T. 0.00 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Instrument :
BNA_G
ClientSampleId :
TEC-COMP

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.7	46.1
170	25.7	19.7	29.5

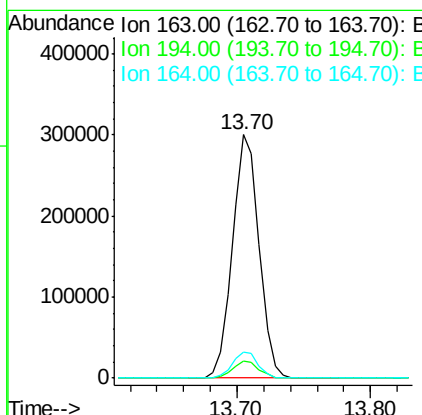
Manual Integrations
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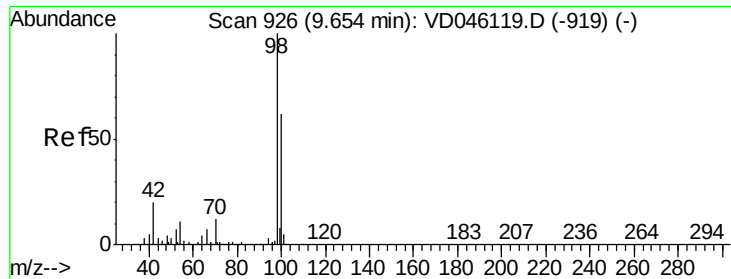
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#49
Dimethylphthalate
Concen: 22.77 ng
RT: 13.70 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.9	5.8	8.6
164	10.5	8.3	12.5





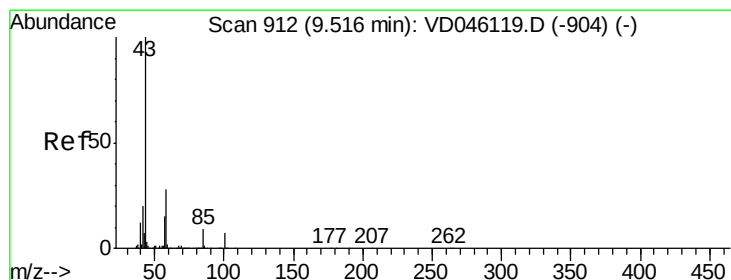
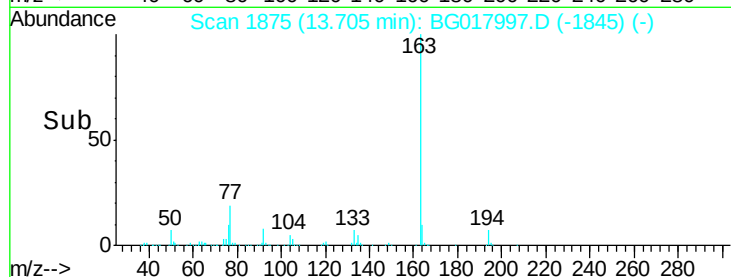
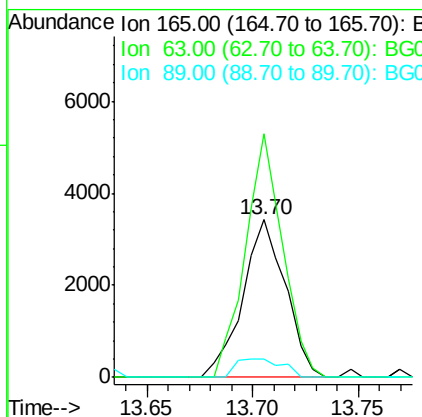
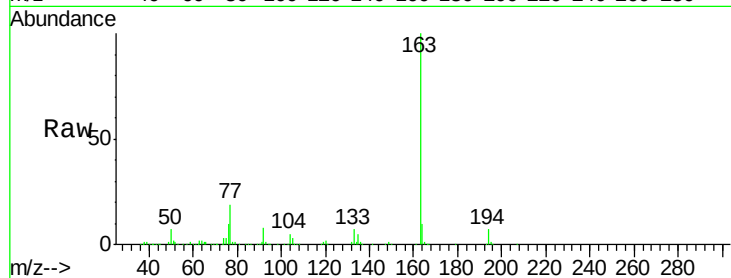
#50
2,6-Dinitrotoluene
Concen: 1.17 ng
RT: 13.70 min Scan# 1875
Delta R.T. -0.12 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Instrument :
BNA_G
ClientSampleId :
TEC-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	4819		
63	154.5	50.2	75.2#	
89	11.4	46.6	69.8#	

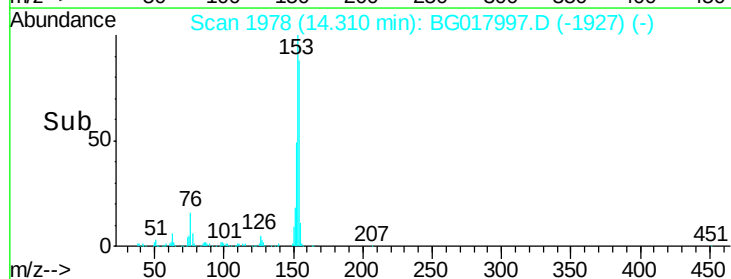
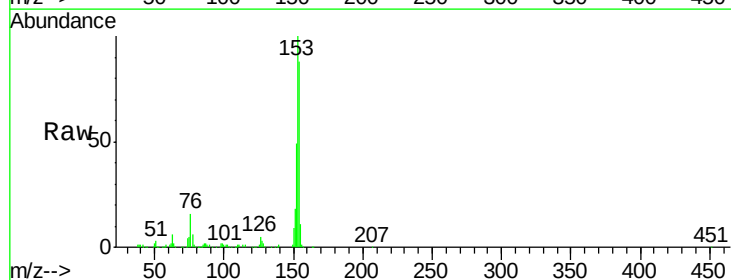
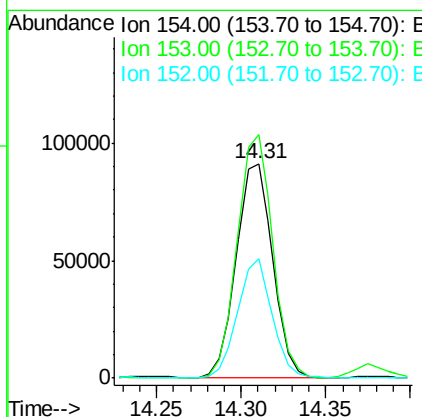
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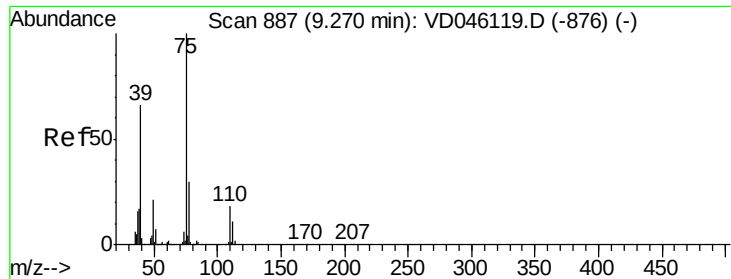
apatel
7/22/2015 9:43:35 AM



#51
Acenaphthene
Concen: 9.13 ng
RT: 14.31 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	137354		
153	113.6	87.0	130.4	
152	55.6	41.4	62.0	





#54

Dibenzenofuran

Concen: 3.70 ng

RT: 14.65 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BG017997.D

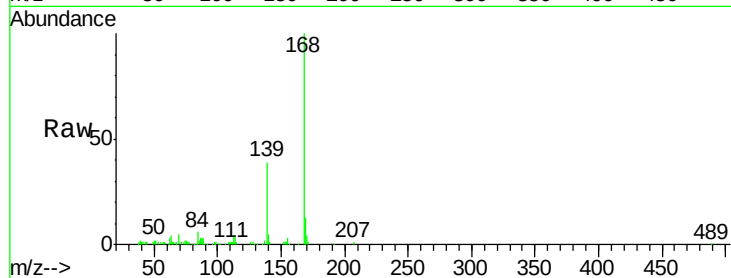
Acq: 20 Jul 2015 20:02

Instrument :

BNA_G

ClientSampleId :

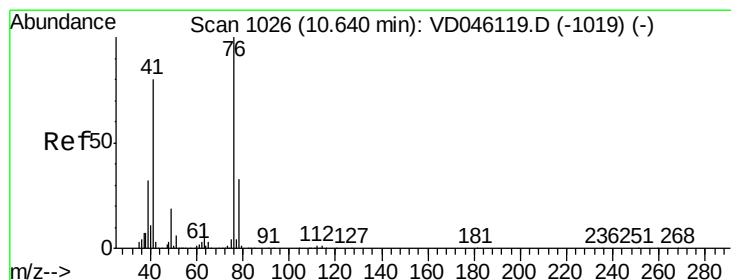
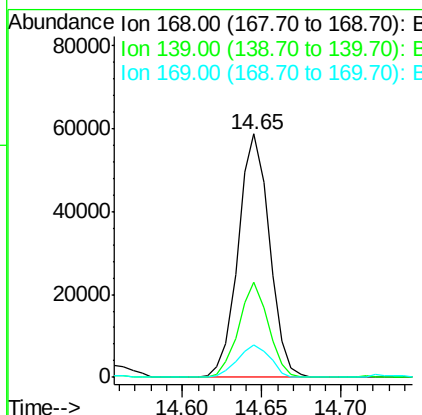
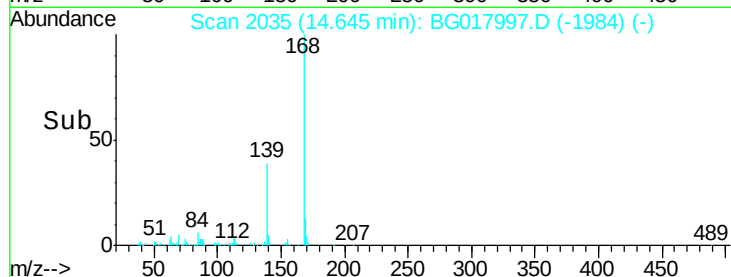
TEC-COMP



Tgt Ion:	168	Resp:	80365
Ion Ratio	Lower	Upper	
168	100		
139	38.9	32.2	48.2
169	13.1	11.3	16.9

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#57

Fluorene

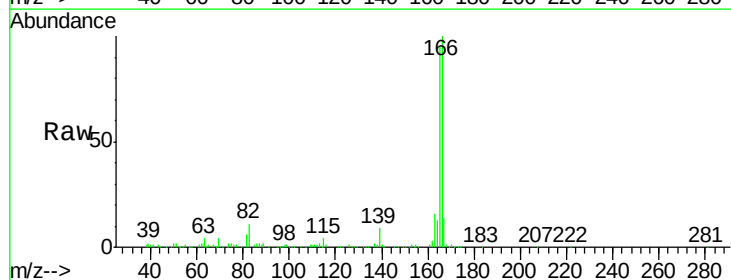
Concen: 6.97 ng

RT: 15.30 min Scan# 2146

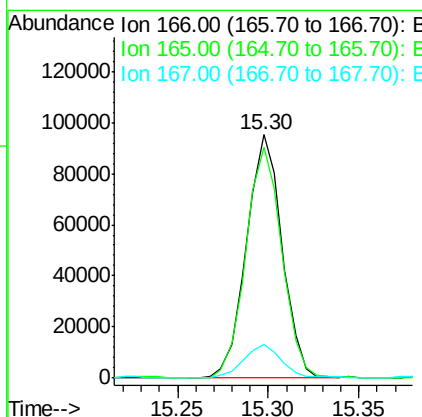
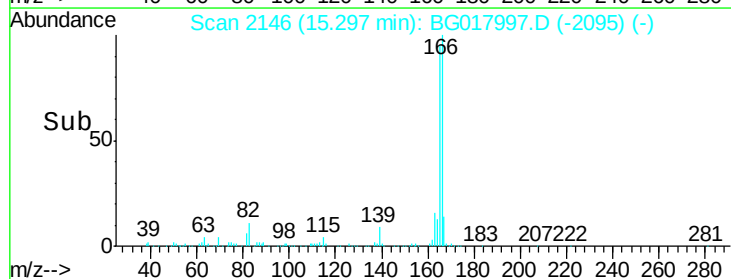
Delta R.T. 0.00 min

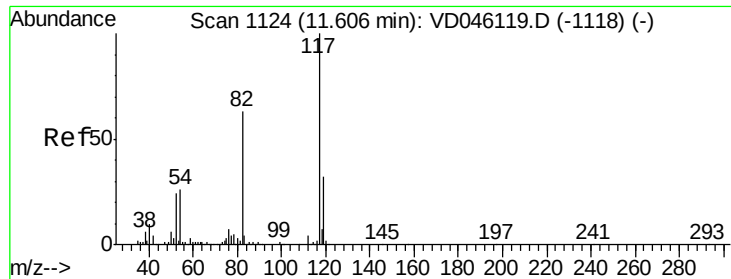
Lab File: BG017997.D

Acq: 20 Jul 2015 20:02



Tgt Ion:	166	Resp:	130081
Ion Ratio	Lower	Upper	
166	100		
165	94.6	73.4	110.0
167	14.0	11.0	16.6





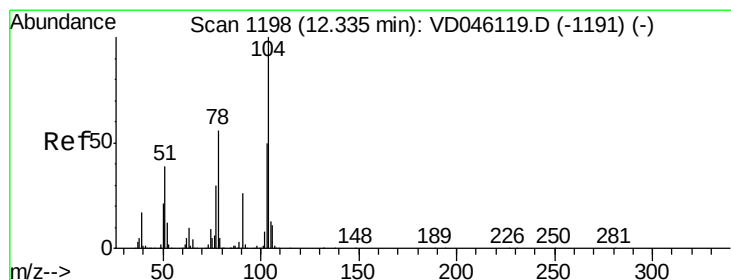
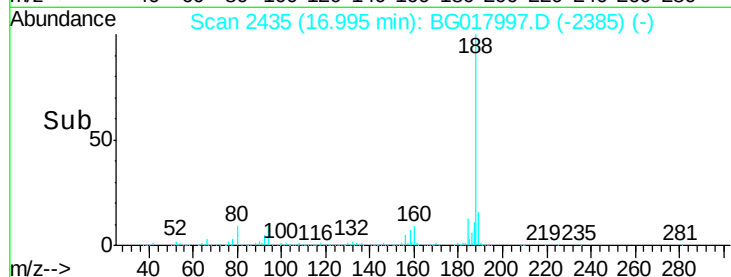
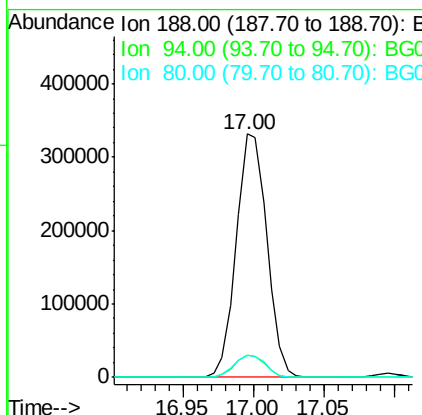
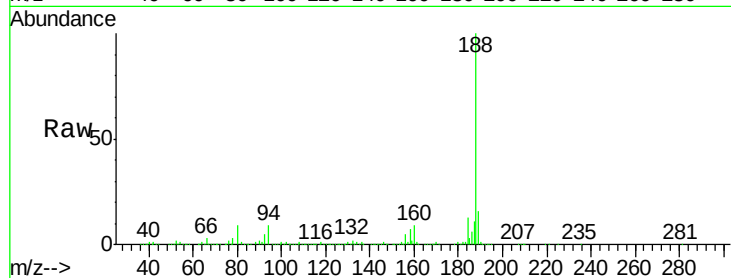
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.00 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Instrument :
BNA_G
ClientSampleId :
TEC-COMP

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.0	8.2	12.2
80	9.2	8.2	12.4

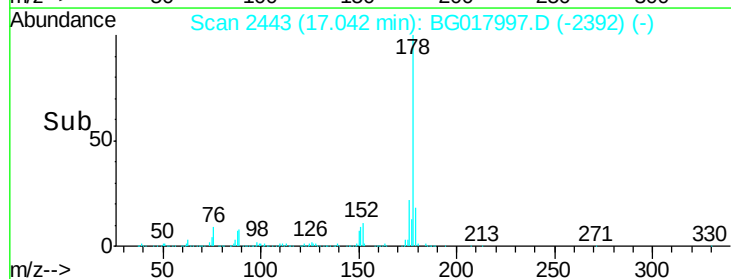
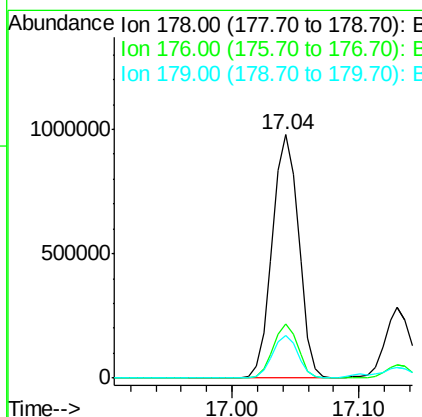
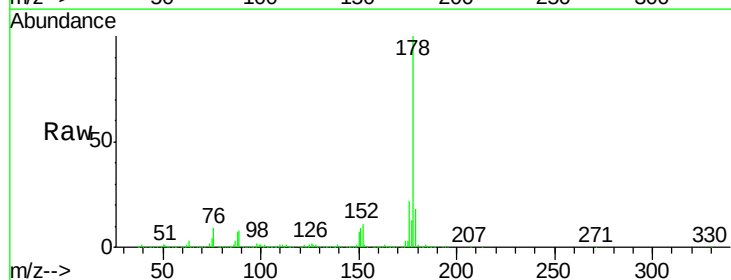
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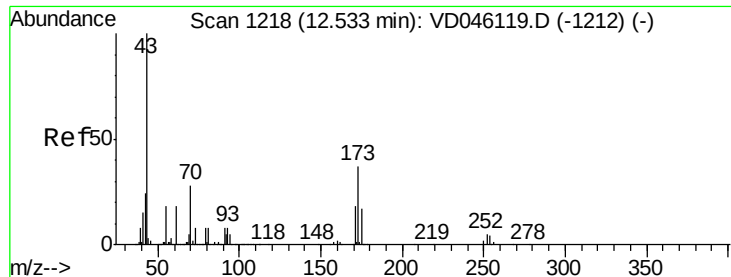
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#70
Phenanthrene
Concen: 54.85 ng
RT: 17.04 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	22.5	16.5	24.7
179	17.7	13.5	20.3





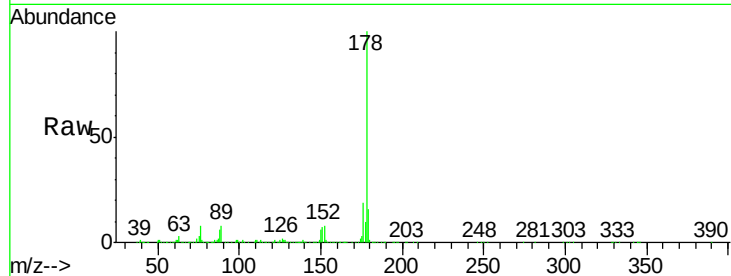
#71
 Anthracene
 Concen: 15.63 ng
 RT: 17.13 min Scan# 2458
 Delta R.T. 0.00 min
 Lab File: BG017997.D
 Acq: 20 Jul 2015 20:02

Instrument :
 BNA_G
 ClientSampleId :
 TEC-COMP

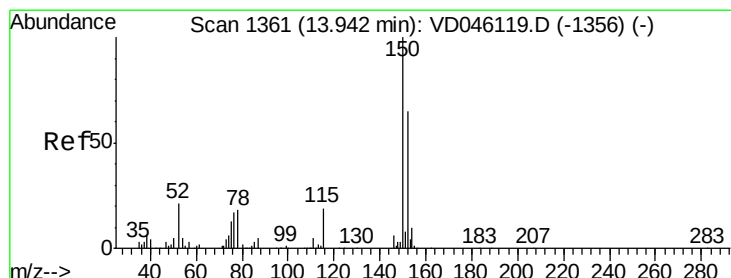
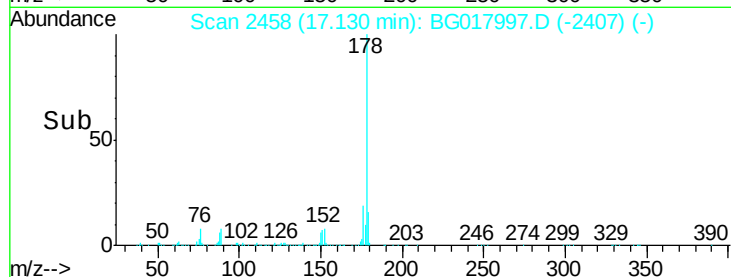
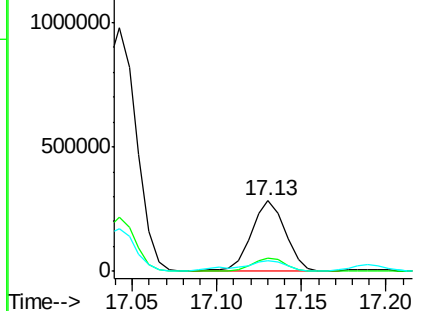
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	394690		
176	19.0	15.2	22.8	
179	15.7	13.6	20.4	

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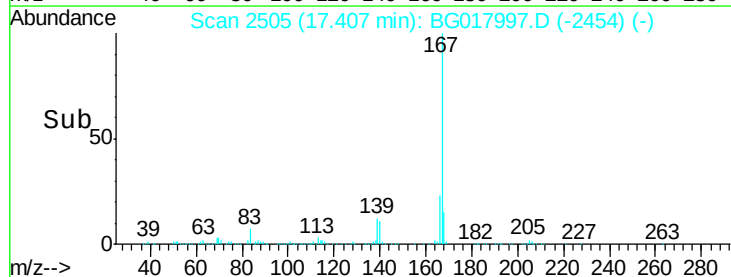
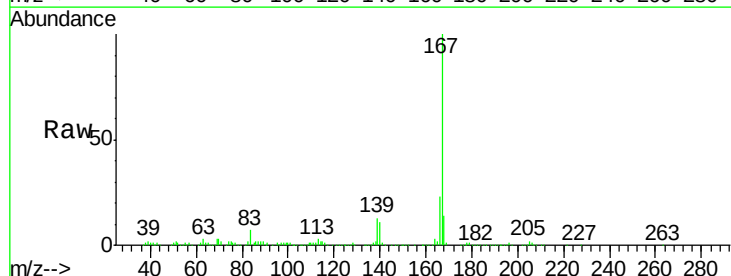
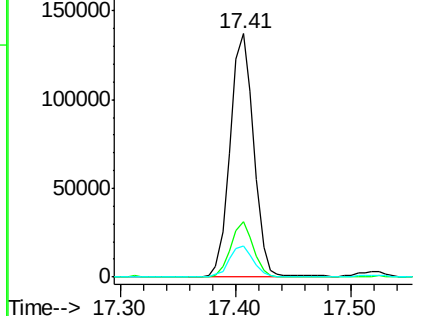
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

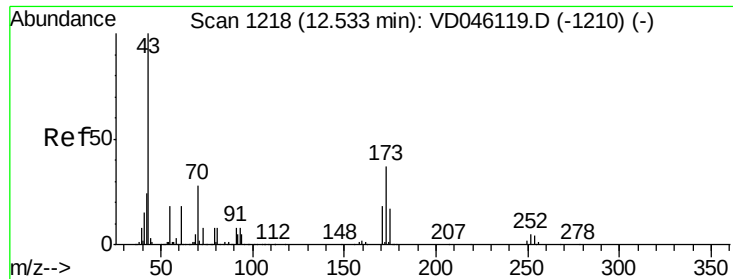


#72
 Carbazole
 Concen: 8.16 ng
 RT: 17.41 min Scan# 2505
 Delta R.T. 0.00 min
 Lab File: BG017997.D
 Acq: 20 Jul 2015 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	194684		
166	22.9	18.3	27.5	
139	12.8	11.9	17.9	

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: 70.36 ng

RT: 19.08 min Scan# 2789

Delta R.T. 0.01 min

Lab File: BG017997.D

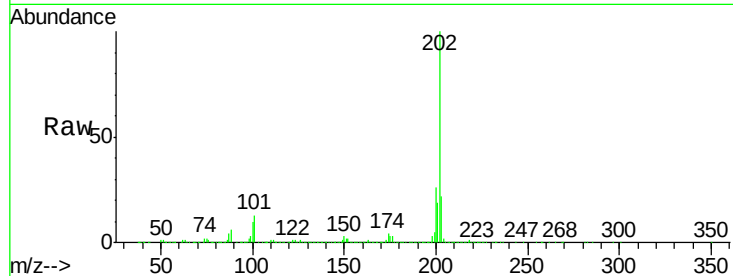
Acq: 20 Jul 2015 20:02

Instrument :

BNA_G

ClientSampleId :

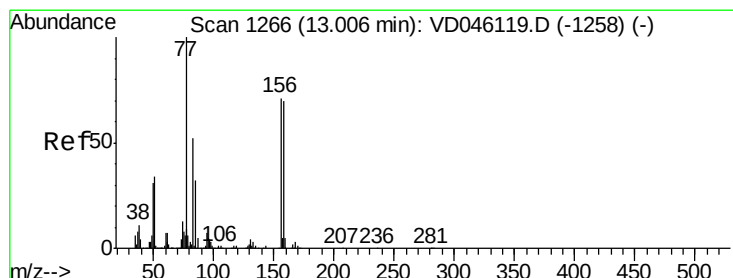
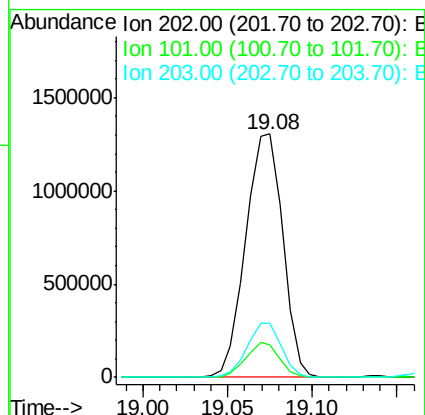
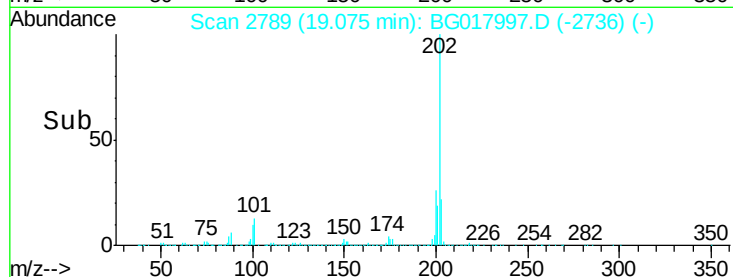
TEC-COMP



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1999113		
101	13.1	0.0	33.3	
203	22.4	0.0	39.5	

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#75

Chrysene-d12

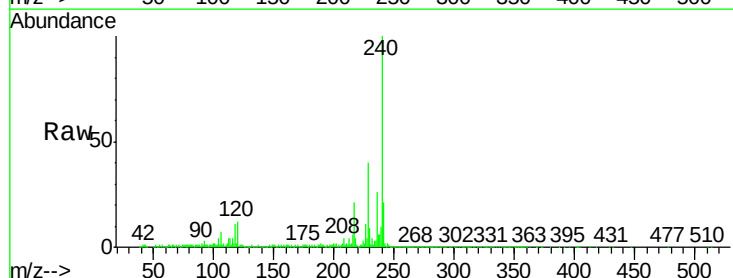
Concen: 20.00 ng

RT: 21.20 min Scan# 3151

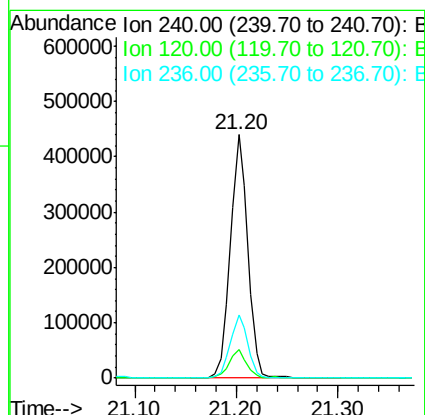
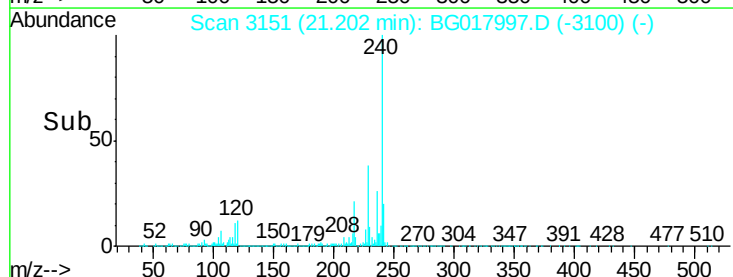
Delta R.T. 0.00 min

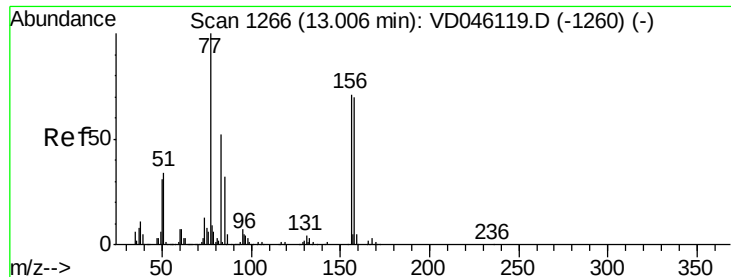
Lab File: BG017997.D

Acq: 20 Jul 2015 20:02



Tgt Ion	Ratio	Resp	Lower	Upper
240	100	522947		
120	11.9	10.8	16.2	
236	26.2	20.0	30.0	





#77

Pyrene

Concen: 59.79 ng

RT: 19.43 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG017997.D

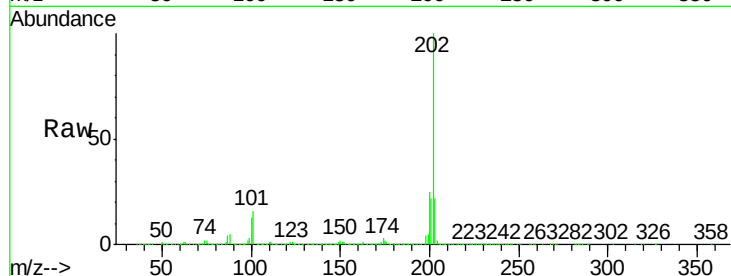
Acq: 20 Jul 2015 20:02

Instrument :

BNA_G

ClientSampleId :

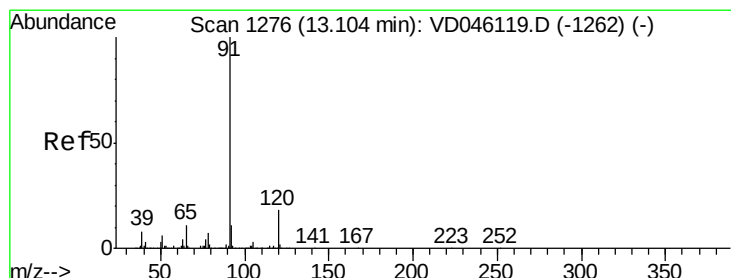
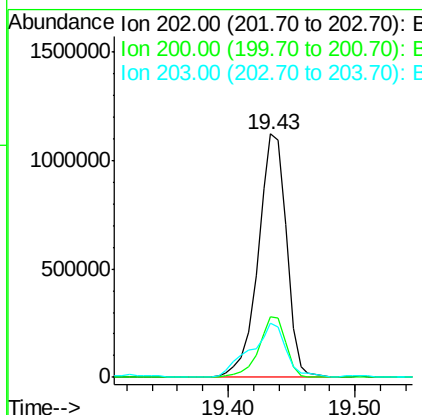
TEC-COMP



Tgt Ion:	202	Resp:	1743686
Ion	Ratio	Lower	Upper
202	100		
200	24.7	18.8	28.2
203	22.2	15.9	23.9

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#78

Terphenyl-d14

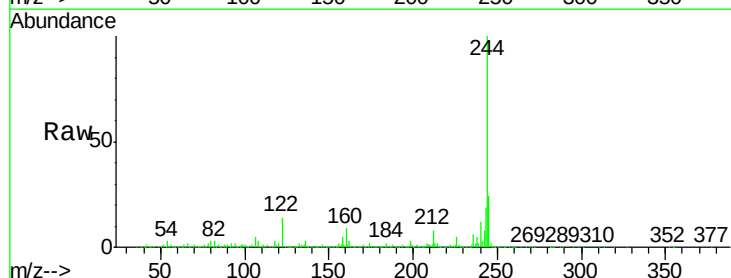
Concen: 59.79 ng

RT: 19.65 min Scan# 2886

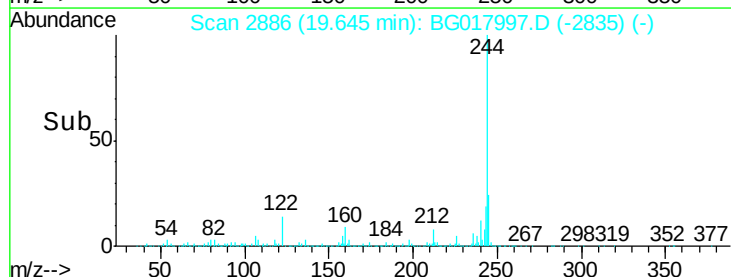
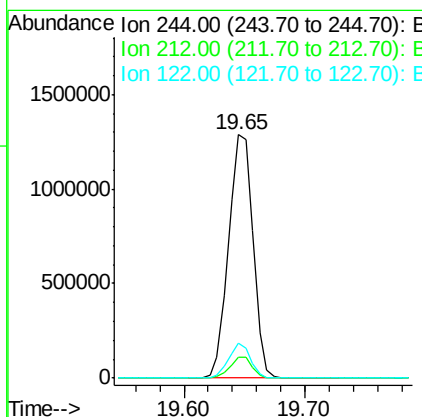
Delta R.T. 0.00 min

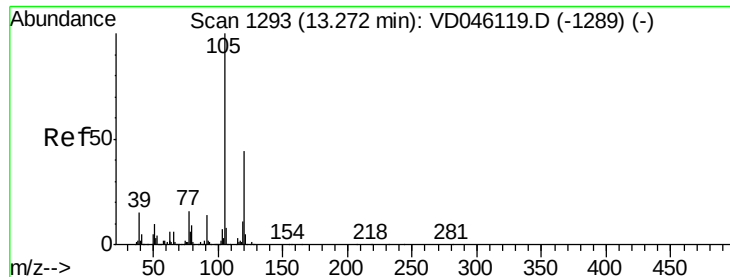
Lab File: BG017997.D

Acq: 20 Jul 2015 20:02



Tgt Ion:	244	Resp:	1816648
Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.2	10.8
122	14.3	12.8	19.2





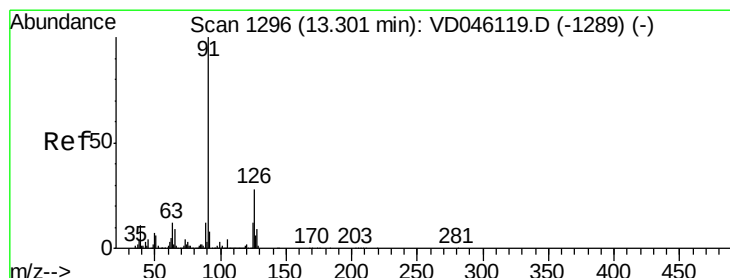
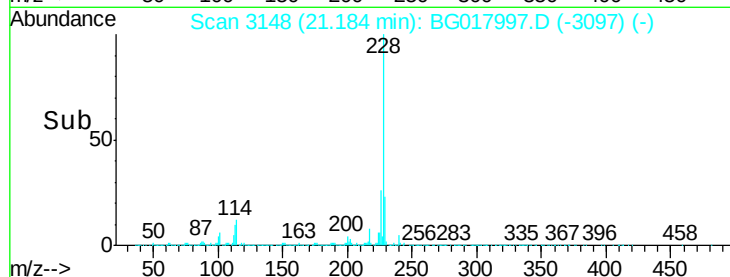
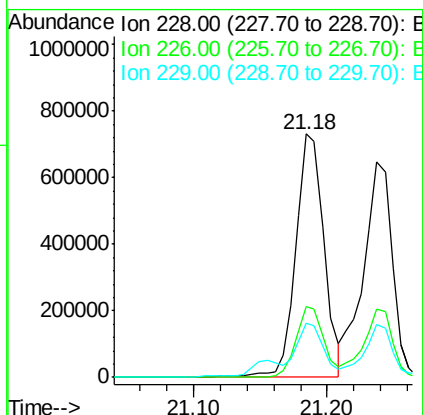
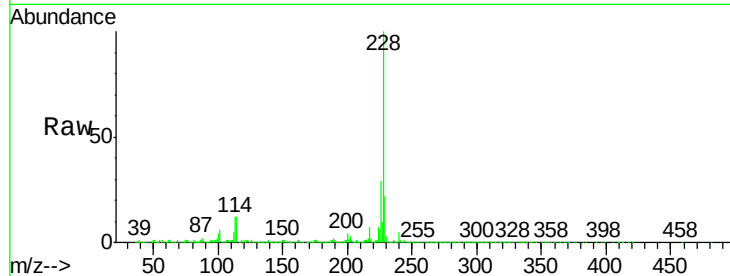
#80
Benzo(a)anthracene
Concen: 38.28 ng
RT: 21.18 min Scan# 3148
Delta R.T. 0.00 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Instrument :
BNA_G
ClientSampleId :
TEC-COMP

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.1	34.7
229	22.4	17.4	26.0

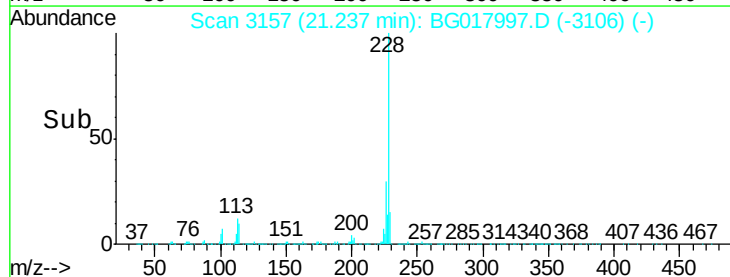
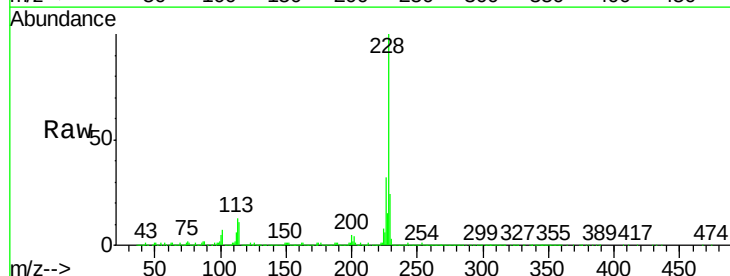
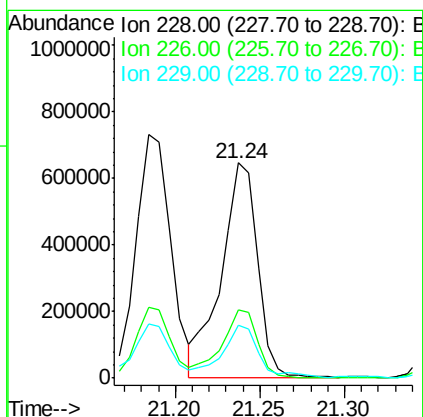
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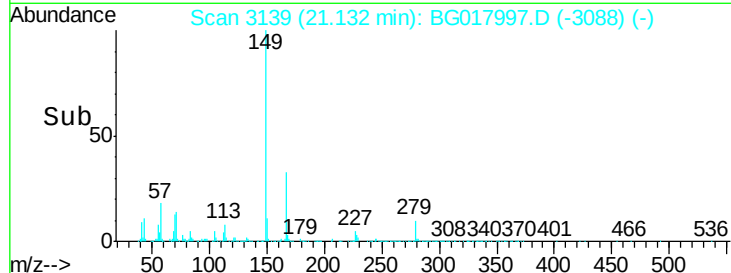
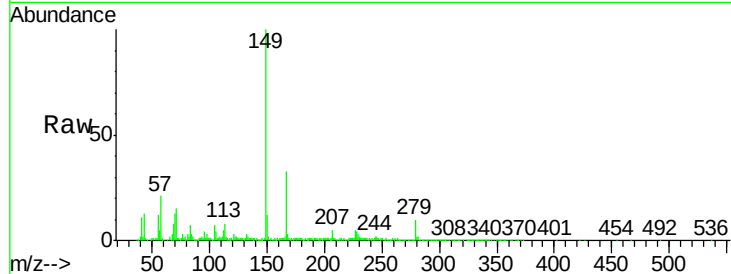
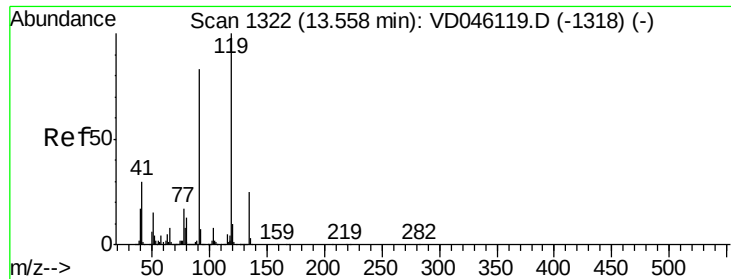
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#82
Chrysene
Concen: 36.48 ng
RT: 21.24 min Scan# 3157
Delta R.T. 0.00 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	26.1	39.1
229	24.4	17.7	26.5





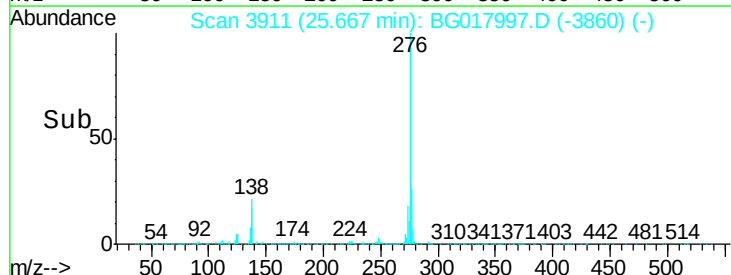
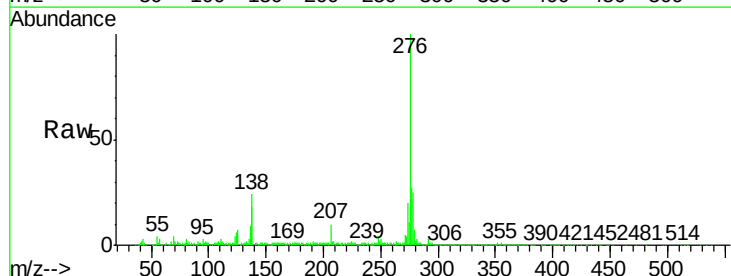
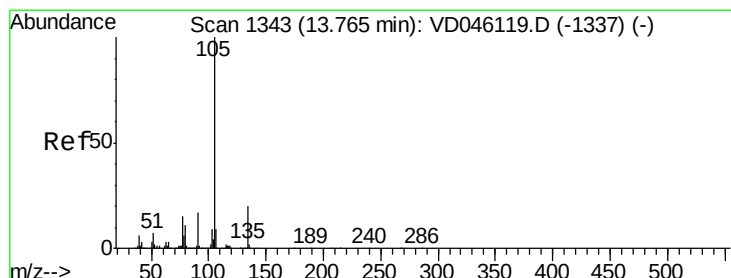
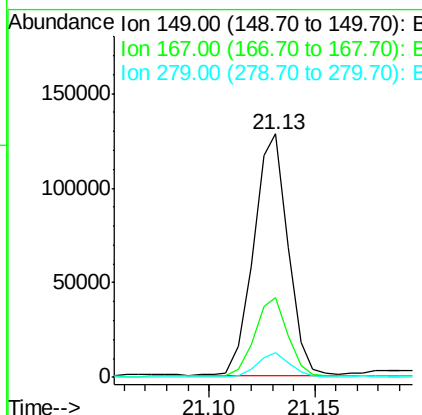
#83
Bis(2-ethylhexyl)phthalate
Concen: 8.04 ng
RT: 21.13 min Scan# 3139
Delta R.T. 0.00 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Instrument :
BNA_G
ClientSampleId :
TEC-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	144616		
167	32.9	26.6	39.8	
279	10.4	6.9	10.3	

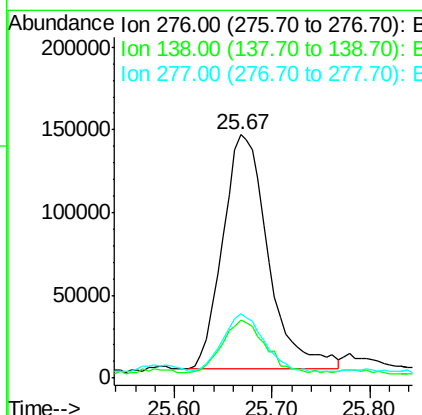
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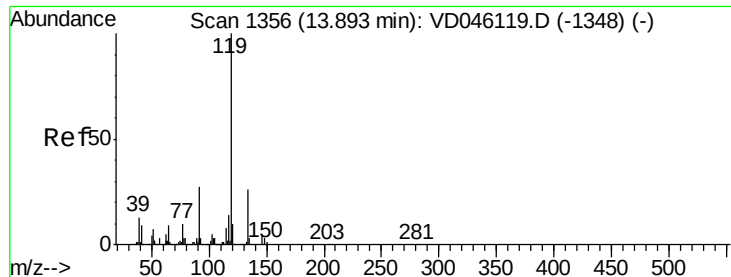
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#85
Indeno(1,2,3-cd)pyrene
Concen: 14.47 ng
RT: 25.67 min Scan# 3911
Delta R.T. 0.00 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	460373		
138	20.9	25.4	38.0	
277	22.3	21.0	31.4	





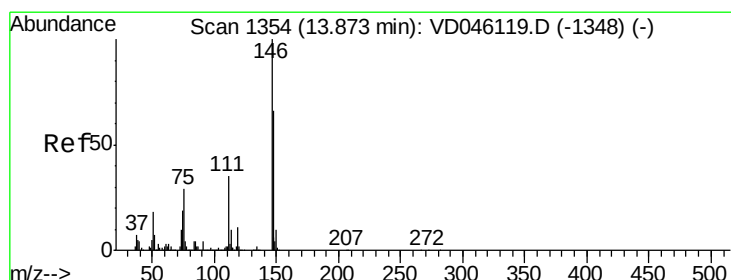
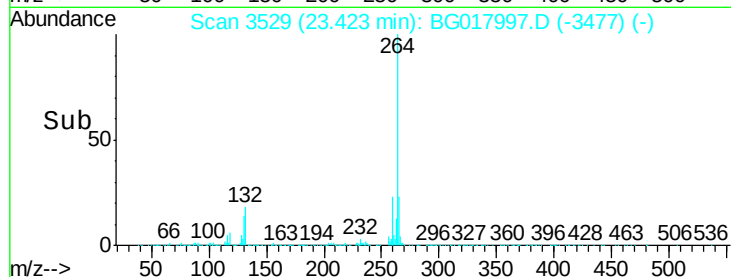
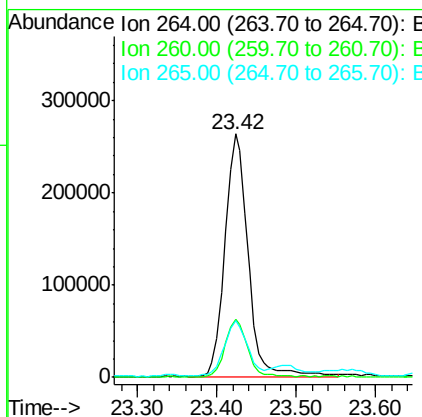
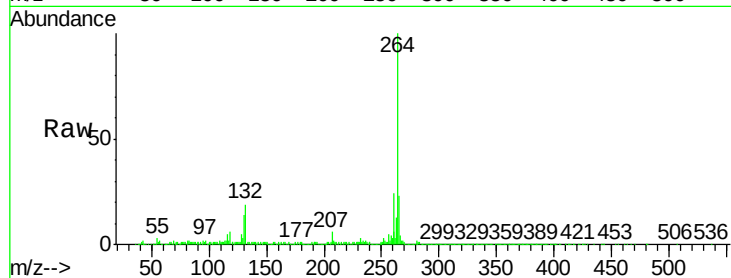
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.42 min Scan# 3529
Delta R.T. 0.01 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Instrument :
BNA_G
ClientSampleId :
TEC-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	529668		
260	23.7	18.6	27.8	
265	23.3	18.2	27.2	

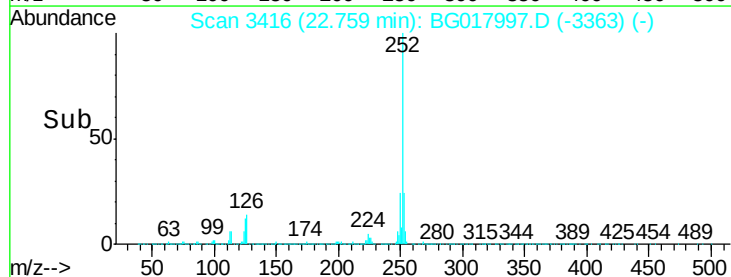
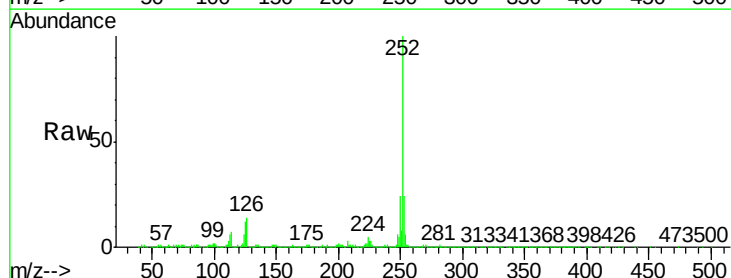
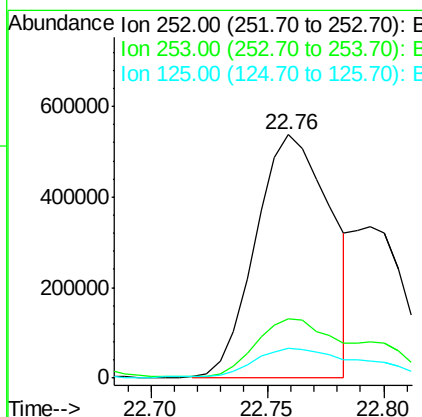
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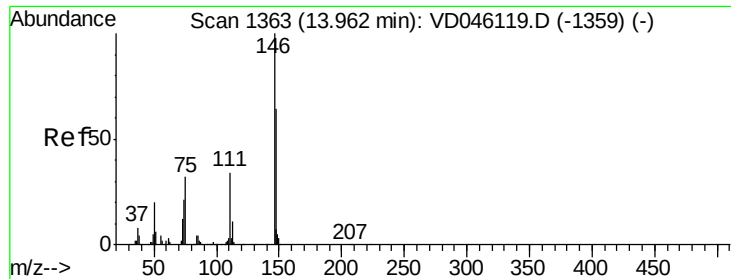
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#87
Benzo(b)fluoranthene
Concen: 41.55 ng m
RT: 22.76 min Scan# 3416
Delta R.T. 0.01 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	1204003		
253	24.1	19.7	29.5	
125	12.2	10.6	15.8	





#88

Benzo(k)fluoranthene

Concen: 18.24 ng m

RT: 22.79 min Scan# 3422

Delta R.T. 0.00 min

Lab File: BG017997.D

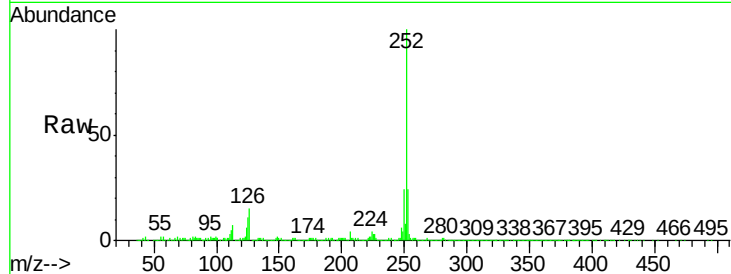
Acq: 20 Jul 2015 20:02

Instrument :

BNA_G

ClientSampleId :

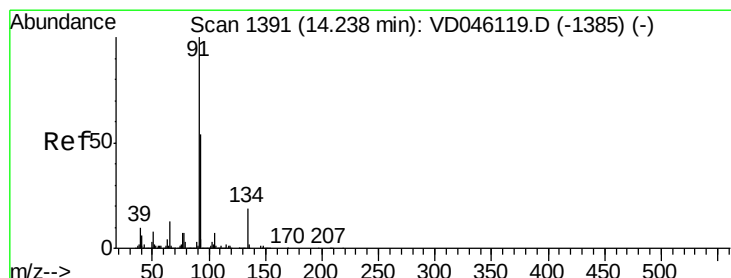
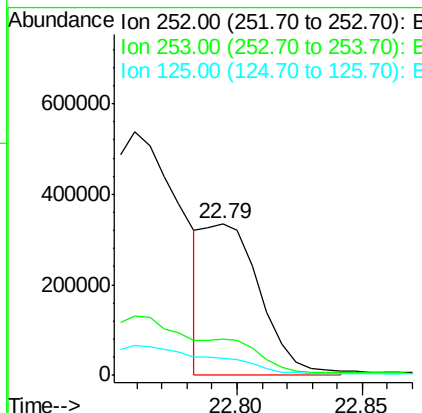
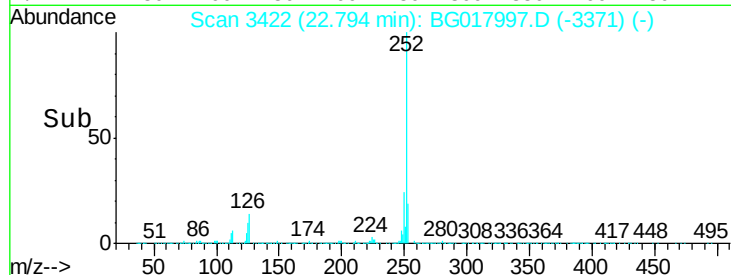
TEC-COMP



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.0	28.6
125	11.0	10.3	15.5

Manual Integrations
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apatel
7/22/2015 9:43:35 AM



#89

Benzo(a)pyrene

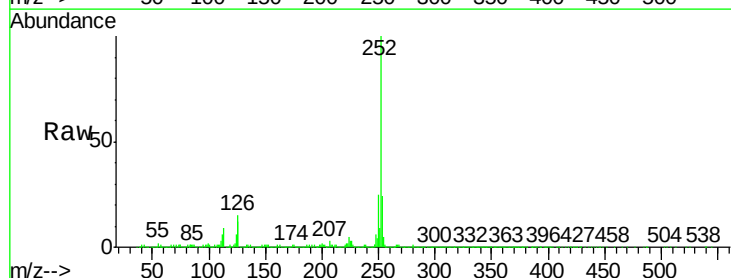
Concen: 33.30 ng

RT: 23.33 min Scan# 3513

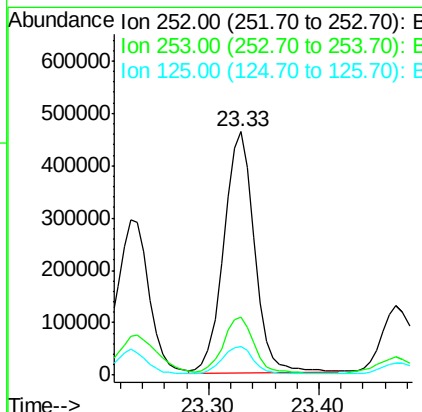
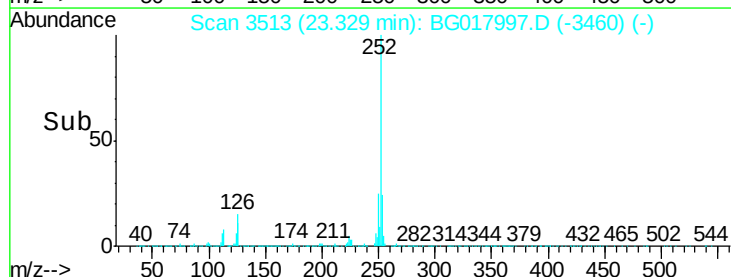
Delta R.T. 0.01 min

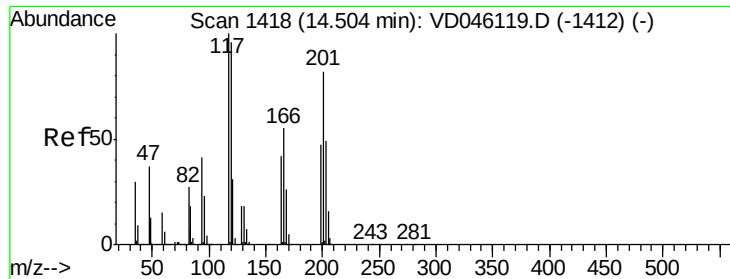
Lab File: BG017997.D

Acq: 20 Jul 2015 20:02



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.0	28.6
125	11.7	11.1	16.7





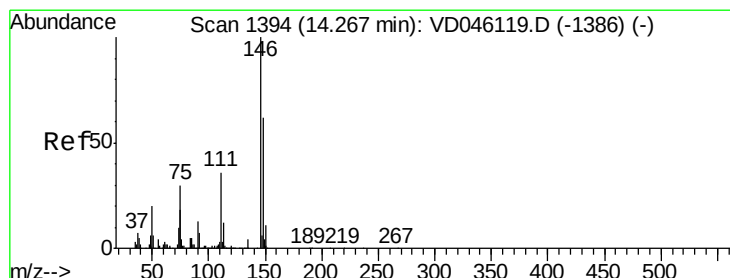
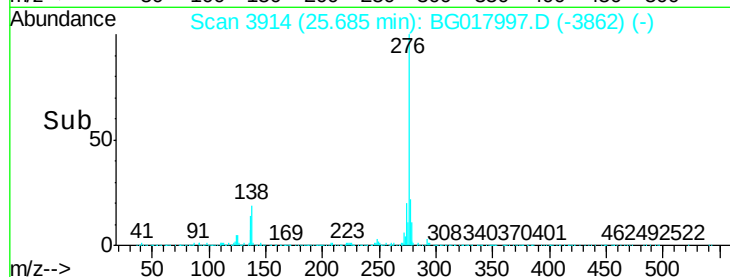
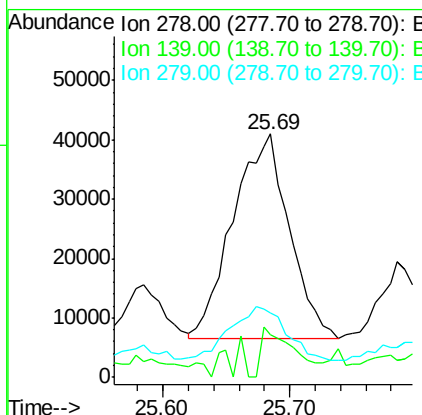
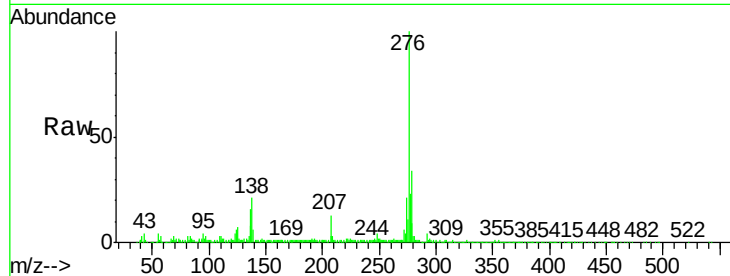
#90
Dibenzo(a,h)anthracene
Concen: 3.81 ng
RT: 25.69 min Scan# 3914
Delta R.T. 0.01 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Instrument :
BNA_G
ClientSampleId :
TEC-COMP

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.5	16.2	24.2
279	26.6	19.9	29.9

Manual Integrations
APPROVED

apatel
7/22/2015 9:43:35 AM



#91
Benzo(g,h,i)perylene
Concen: 15.43 ng
RT: 26.36 min Scan# 4029
Delta R.T. 0.01 min
Lab File: BG017997.D
Acq: 20 Jul 2015 20:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.9	28.3
138	21.8	20.8	31.2

