

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
 Data File : BG017530.D
 Acq On : 7 Jun 2015 12:15
 Operator : TP/IZ
 Sample : G2457-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2

Manual Integrations
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Quant Time: Jun 08 07:59:30 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 01:31:15 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	21742	20.00	ng	-0.01
21) Naphthalene-d8	10.41	136	94711	20.00	ng	-0.01
38) Acenaphthene-d10	14.29	164	56156	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	116055	20.00	ng	0.00
75) Chrysene-d12	21.24	240	130141	20.00	ng	0.00
86) Perylene-d12	23.48	264	131685	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	131250	106.35	ng	0.00
7) Phenol-d6	6.84	99	178088	105.93	ng	0.00
23) Nitrobenzene-d5	8.79	82	126848	66.86	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	71995	92.30	ng	0.00
44) 2-Fluorobiphenyl	12.91	172	271478	72.93	ng	0.00
78) Terphenyl-d14	19.69	244	394117	62.59	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	13.75	163	77679	15.89	ng	100
70) Phenanthrene	17.08	178	98432	15.21	ng	99
71) Anthracene	17.18	178	29245	4.52	ng	97
74) Fluoranthene	19.11	202	215776	25.50	ng	97
77) Pyrene	19.47	202	207690	25.91	ng	99
80) Benzo(a)anthracene	21.23	228	114534	14.31	ng	95
82) Chrysene	21.27	228	93650	12.92	ng	97
85) Indeno(1,2,3-cd)pyrene	25.76	276	75227	8.27	ng	# 94
87) Benzo(b)fluoranthene	22.81	252	146105	17.51	ng	# 96
88) Benzo(k)fluoranthene	22.85	252	46581m	5.83	ng	
89) Benzo(a)pyrene	23.38	252	124226	16.23	ng	100
90) Dibenzo(a,h)anthracene	25.76	278	20373	2.56	ng	# 76
91) Benzo(g,h,i)perylene	26.46	276	75391	9.96	ng	97

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

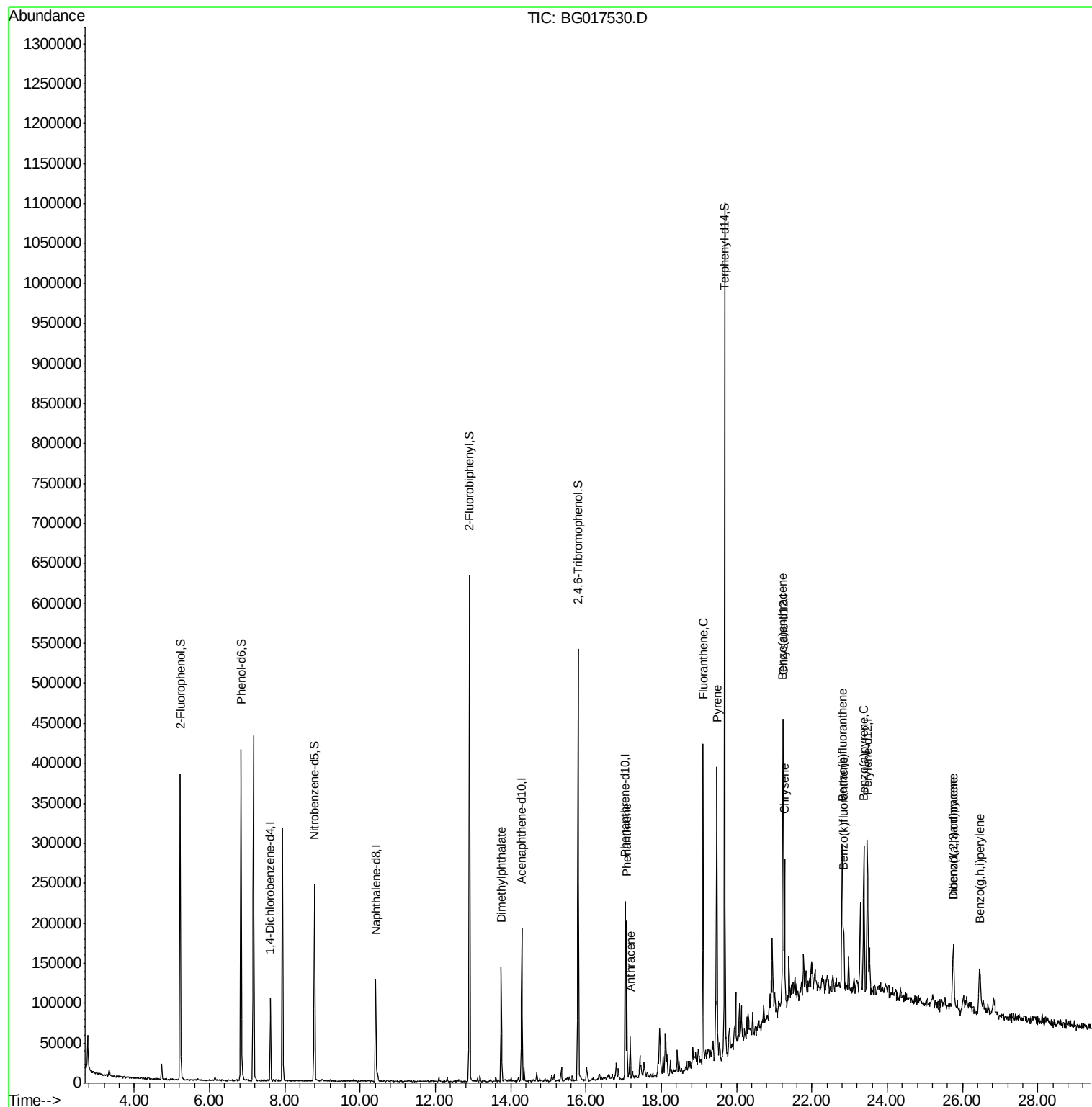
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060615\
Data File : BG017530.D
Acq On : 7 Jun 2015 12:15
Operator : TP/IZ
Sample : G2457-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

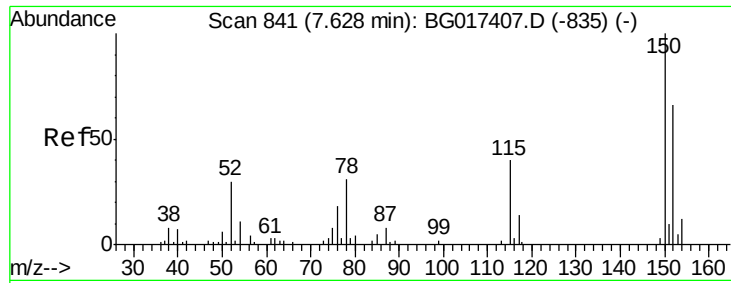
Instrument :
BNA_G
ClientSampleId :
SP-2

Manual Integrations
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Quant Time: Jun 08 07:59:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 04 01:31:15 2015
Response via : Initial Calibration





#1

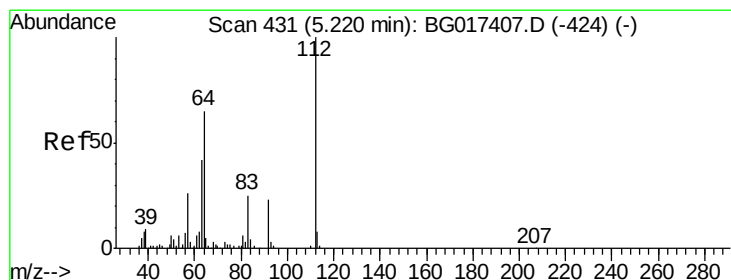
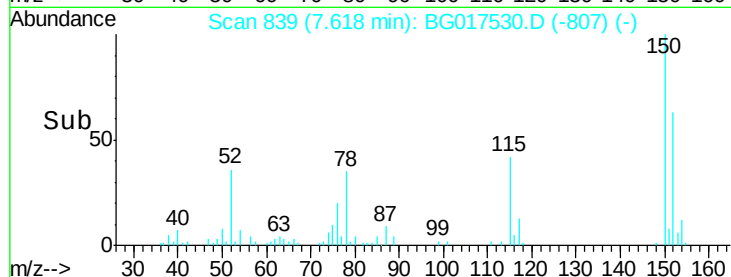
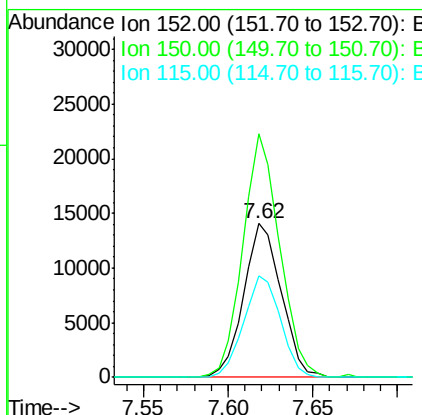
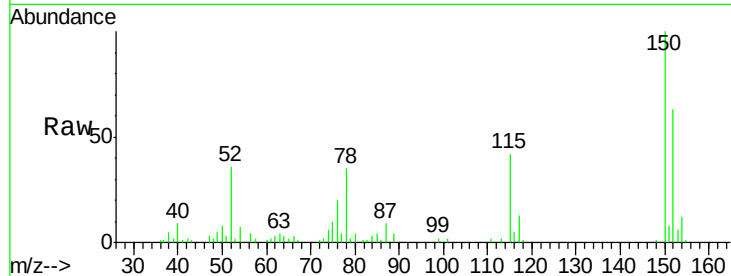
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.62 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

Instrument :
BNA_G
ClientSampled :
SP-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.7	121.7	182.5
115	66.5	48.6	73.0

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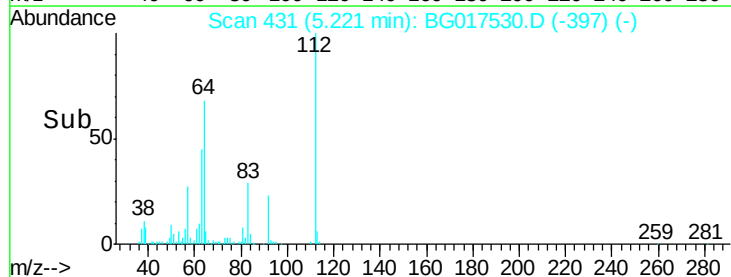
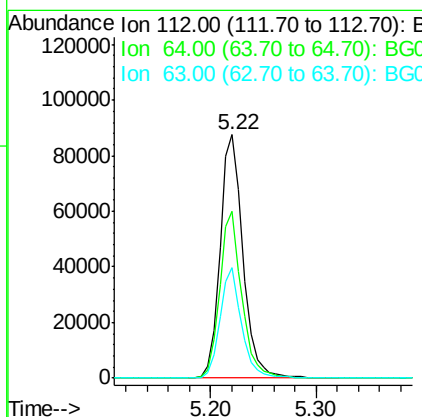
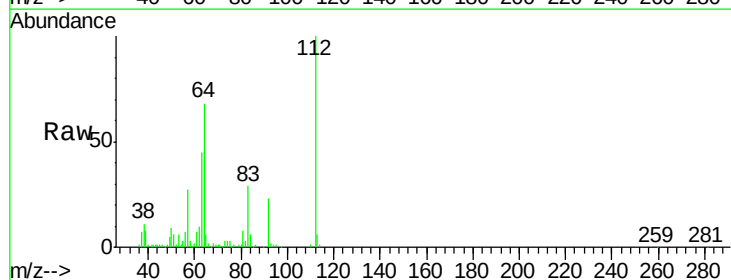
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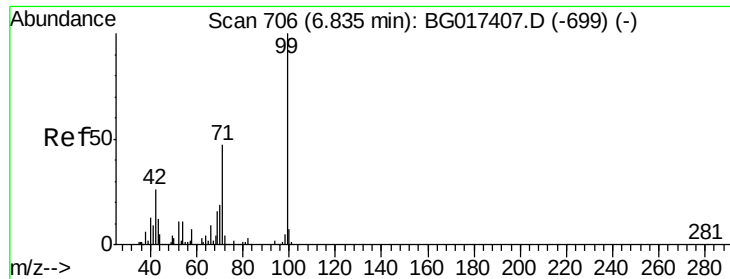


#5

2-Fluorophenol
Concen: 106.35 ng
RT: 5.22 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	51.6	77.4
63	45.2	33.3	49.9





#7

Phenol-d6

Concen: 105.93 ng

RT: 6.84 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

Instrument :

BNA_G

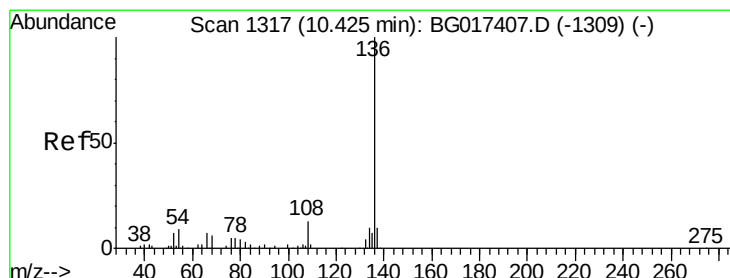
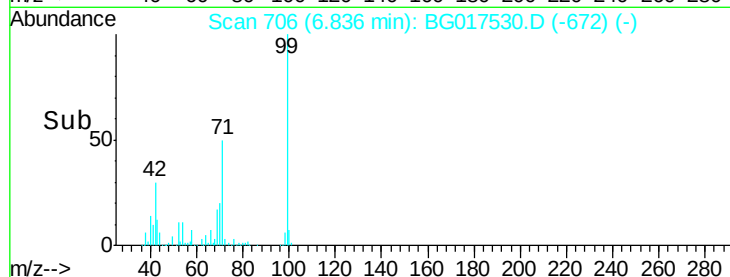
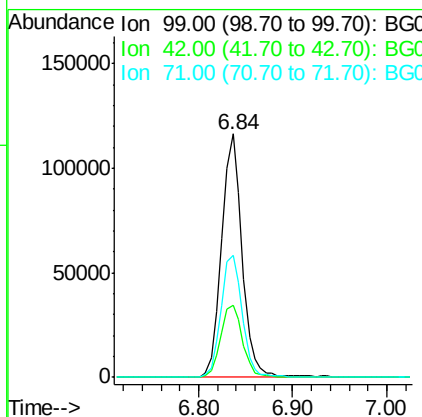
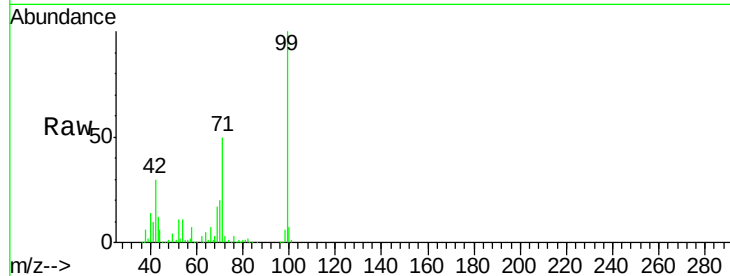
ClientSampleId :

SP-2

Tgt Ion	Ratio	Lower	Upper
99	100		
42	29.7	21.0	31.6
71	50.1	37.2	55.8

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#21

Naphthalene-d8

Concen: 20.00 ng

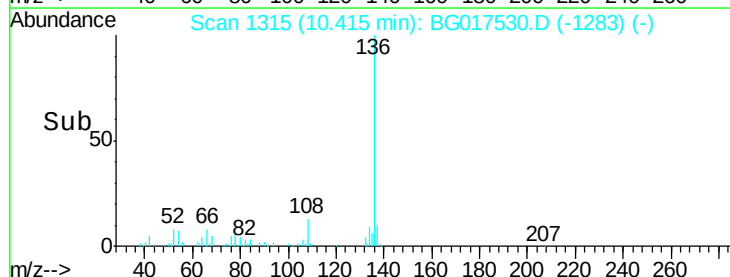
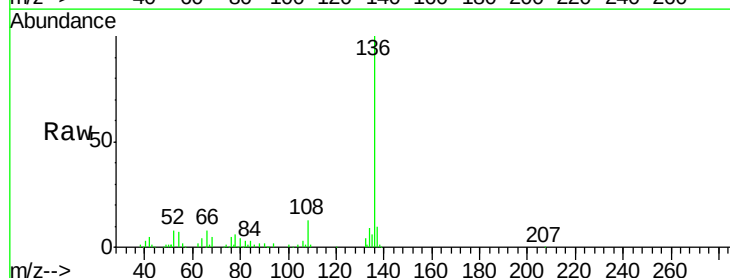
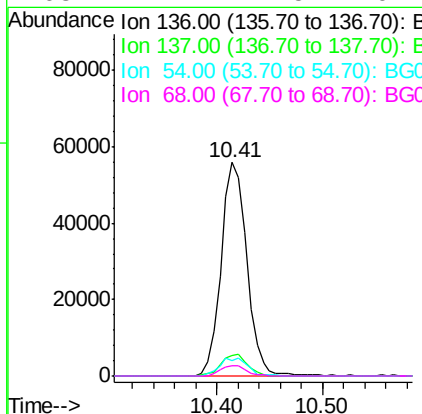
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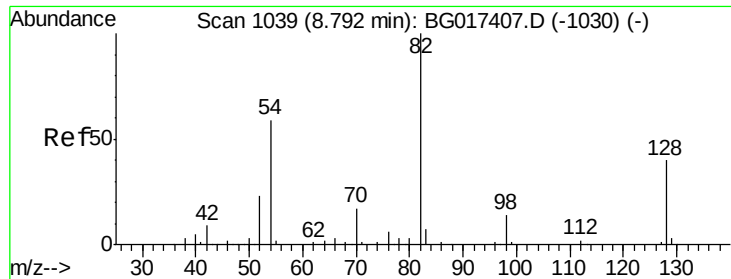
Delta R.T. -0.01 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

Tgt Ion	Ratio	Lower	Upper
136	100		
137	9.6	7.9	11.9
54	7.5	7.2	10.8
68	4.7	4.5	6.7





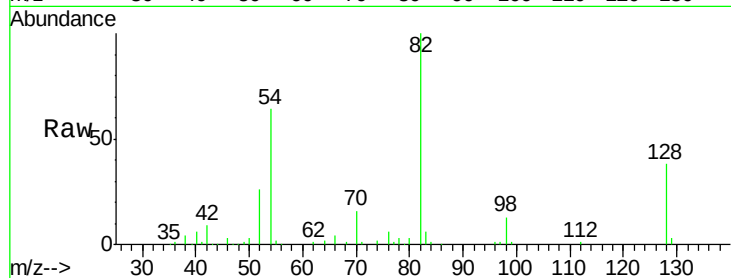
#23
 Nitrobenzene-d5
 Concen: 66.86 ng
 RT: 8.79 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BG017530.D
 Acq: 7 Jun 2015 12:15

Instrument :
 BNA_G
 ClientSampled :
 SP-2

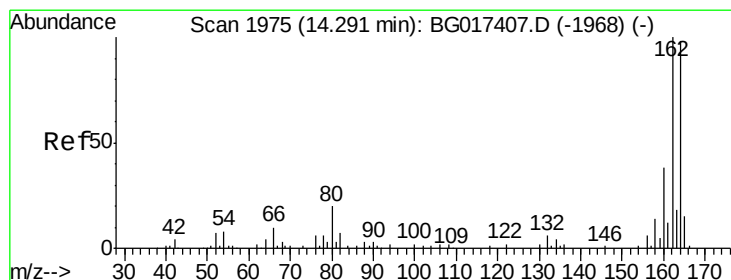
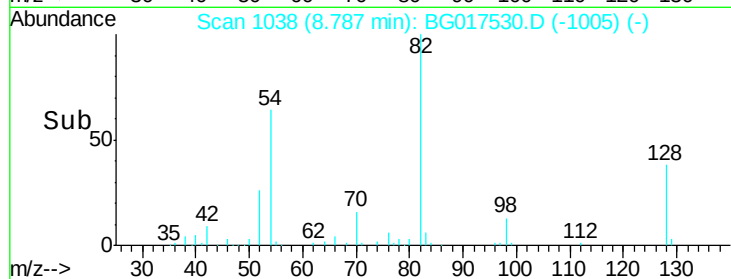
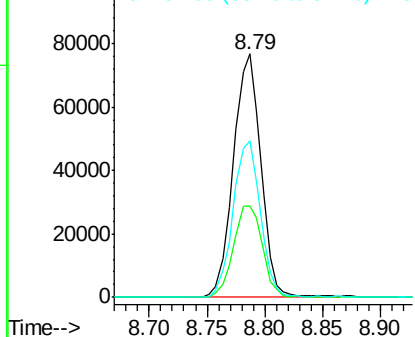
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	126848		
128	37.8	32.2	48.4	
54	64.0	47.4	71.2	

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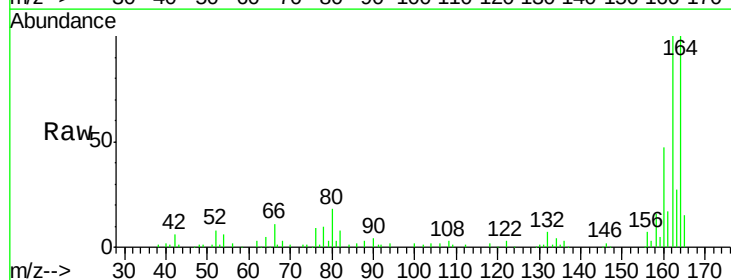


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

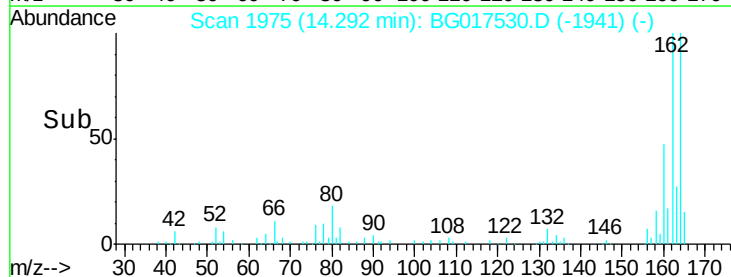
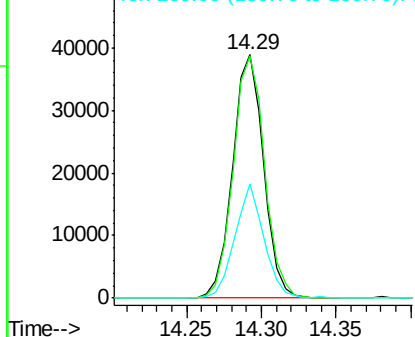


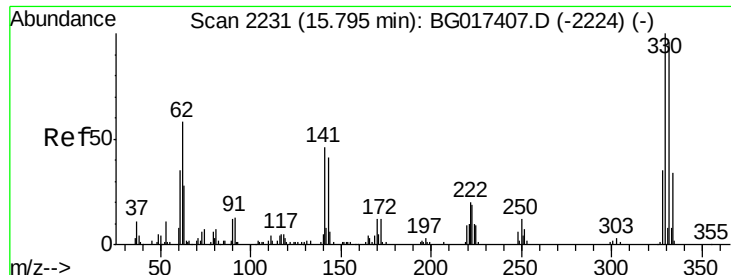
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.29 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: BG017530.D
 Acq: 7 Jun 2015 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	56156		
162	99.7	81.8	122.6	
160	47.0	31.0	46.4	



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





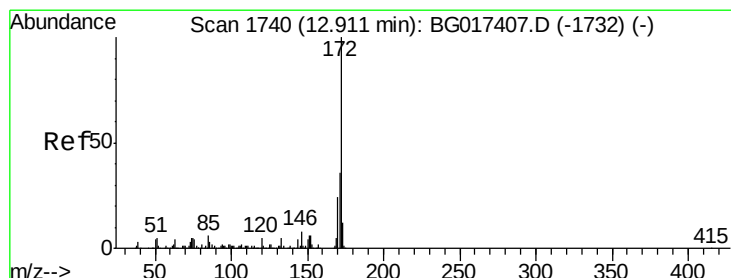
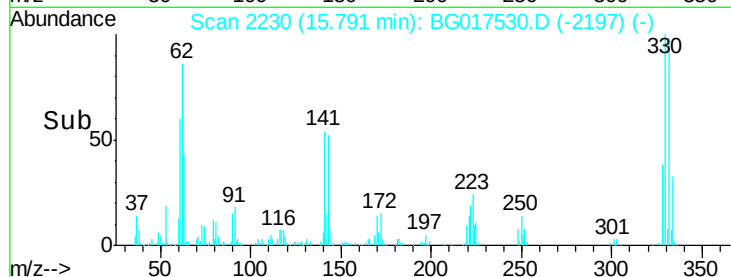
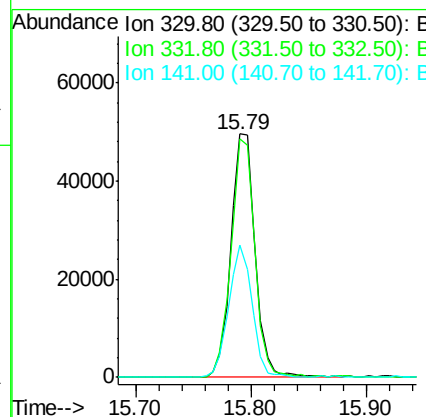
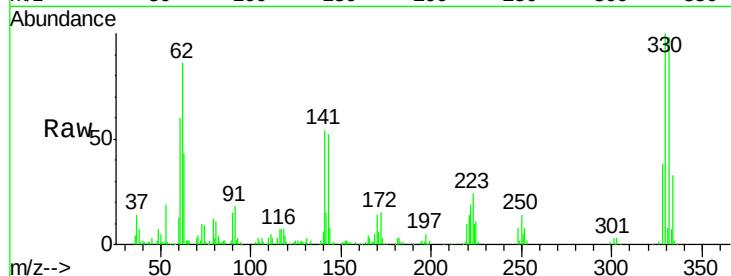
#41
 2,4,6-Tribromophenol
 Concen: 92.30 ng
 RT: 15.79 min Scan# 2230
 Delta R.T. -0.00 min
 Lab File: BG017530.D
 Acq: 7 Jun 2015 12:15

Instrument :
 BNA_G
 ClientSampled :
 SP-2

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	71995		
332	95.6	75.9	113.9	
141	52.7	40.2	60.4	

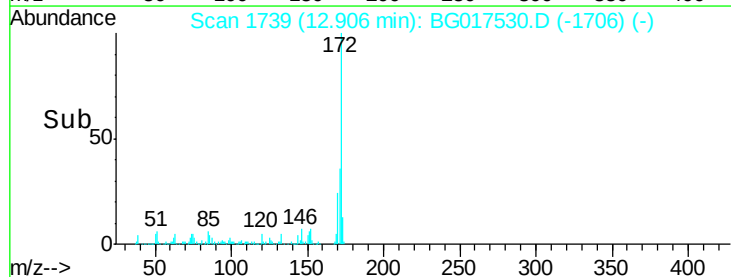
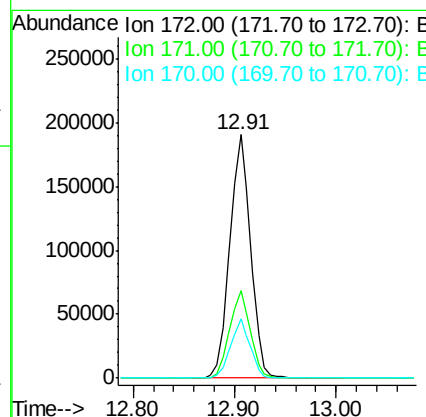
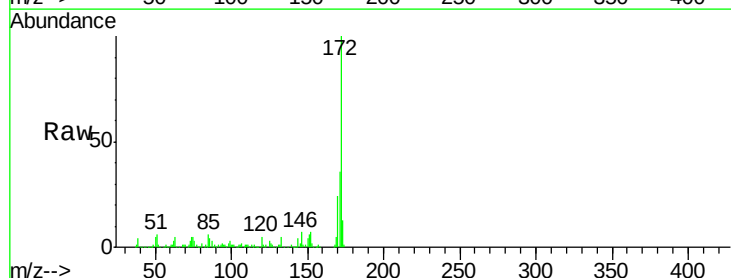
Manual Integrations
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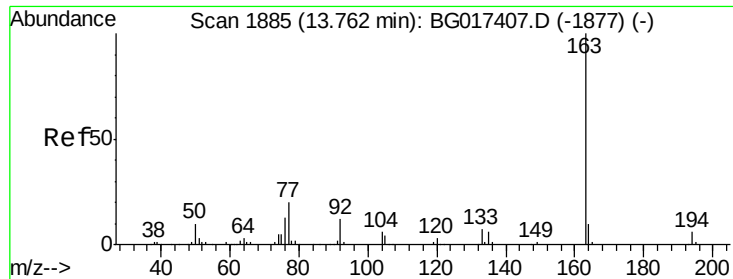
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#44
 2-Fluorobiphenyl
 Concen: 72.93 ng
 RT: 12.91 min Scan# 1739
 Delta R.T. -0.00 min
 Lab File: BG017530.D
 Acq: 7 Jun 2015 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	271478		
171	36.2	29.0	43.6	
170	24.2	18.9	28.3	





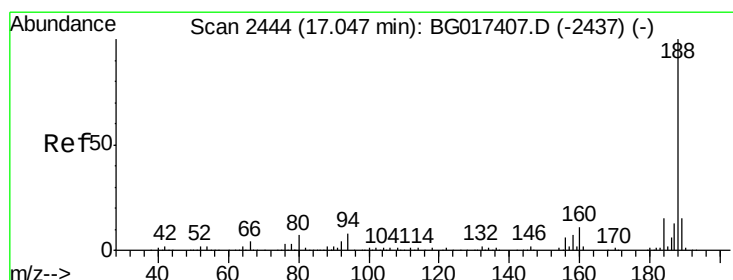
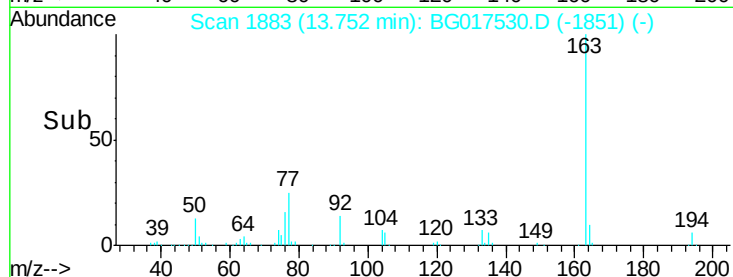
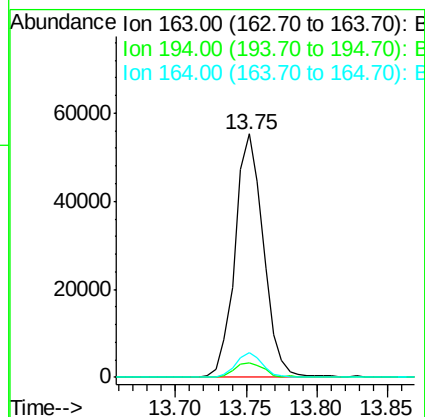
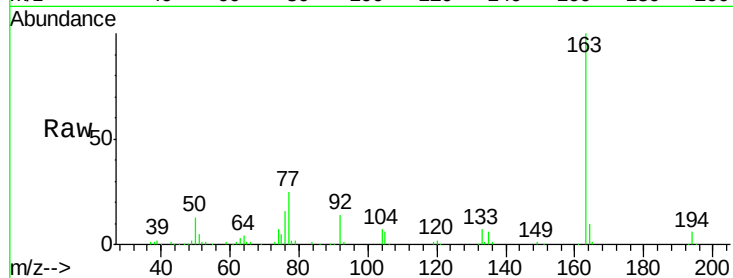
#49
Dimethylphthalate
Concen: 15.89 ng
RT: 13.75 min Scan# 1883
Delta R.T. -0.01 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

Instrument :
BNA_G
ClientSampleId :
SP-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	6.0	4.9	7.3
164	10.1	8.2	12.2

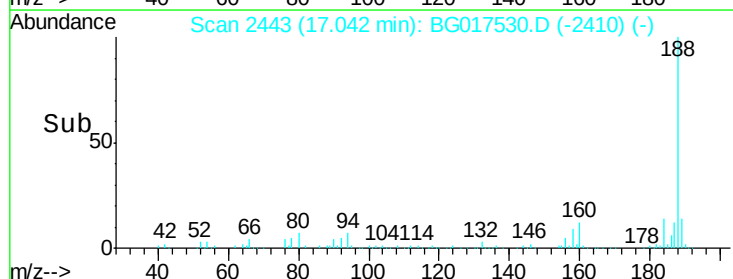
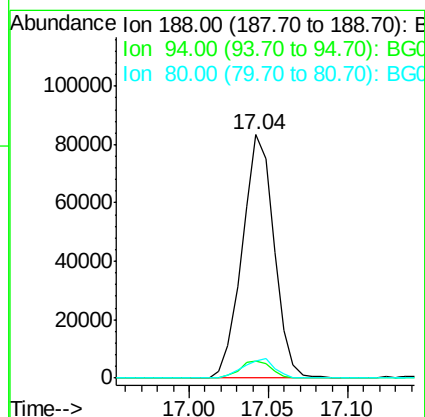
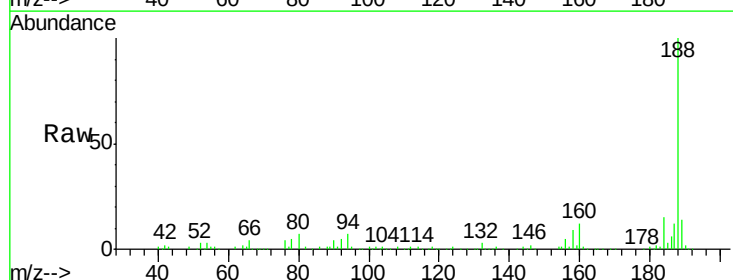
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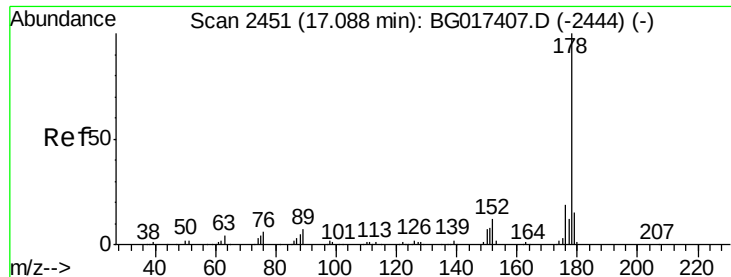
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.04 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.9	6.3	9.5
80	6.9	5.2	7.8





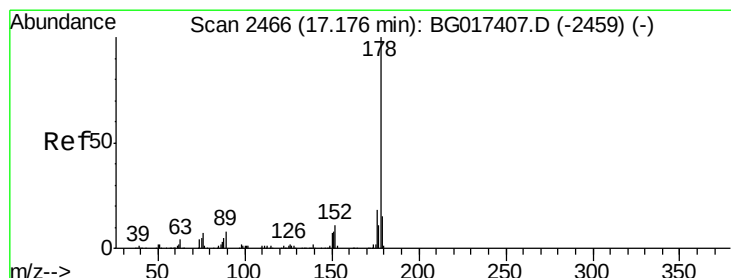
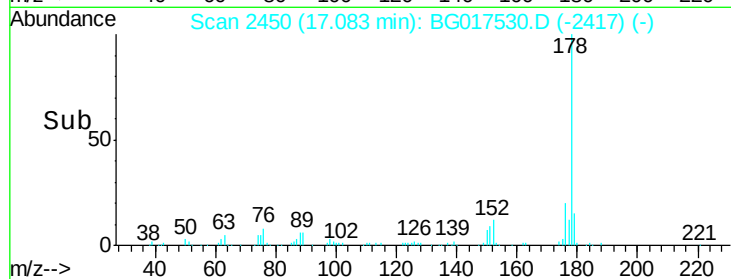
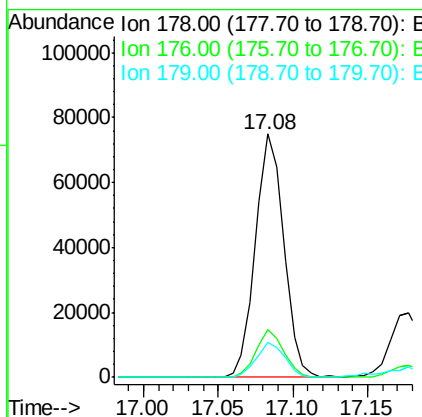
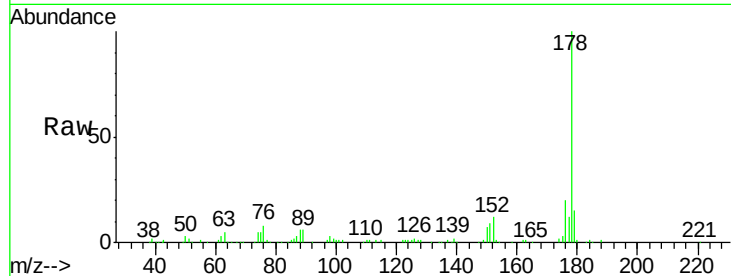
#70
Phenanthrene
Concen: 15.21 ng
RT: 17.08 min Scan# 2450
Delta R.T. -0.00 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

Instrument :
BNA_G
ClientSampled :
SP-2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	14.5	12.2	18.2

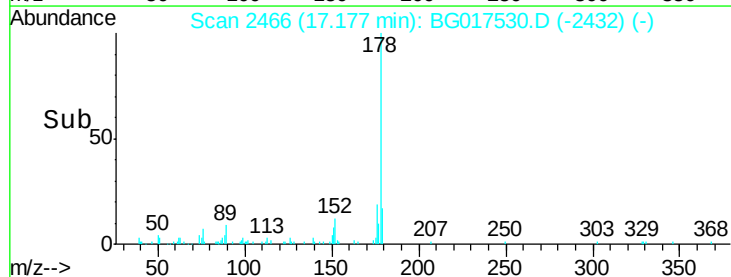
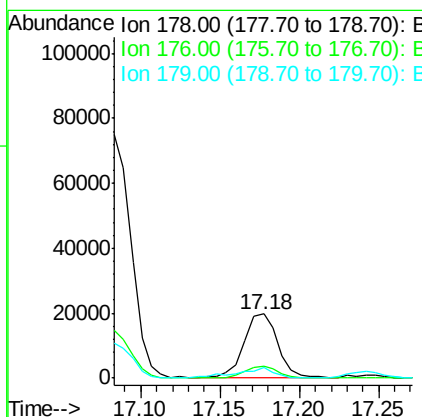
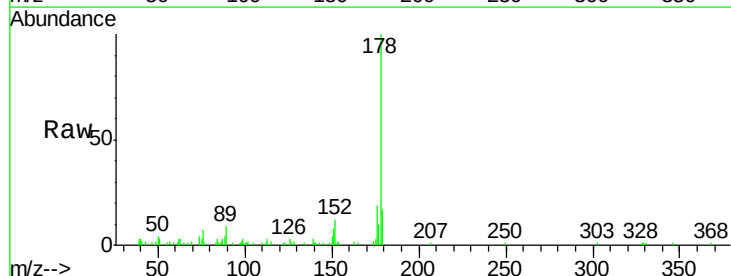
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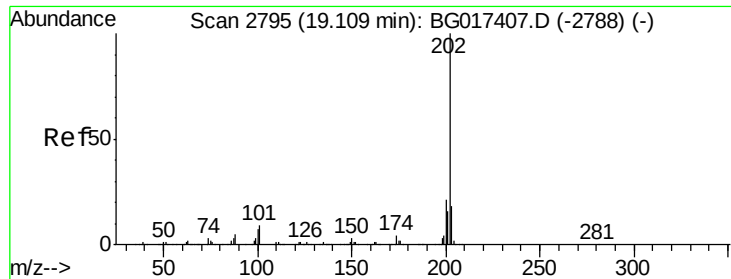
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#71
Anthracene
Concen: 4.52 ng
RT: 17.18 min Scan# 2466
Delta R.T. 0.00 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.2	21.2
179	16.6	12.2	18.4





#74

Fluoranthene

Concen: 25.50 ng

RT: 19.11 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BG017530.D

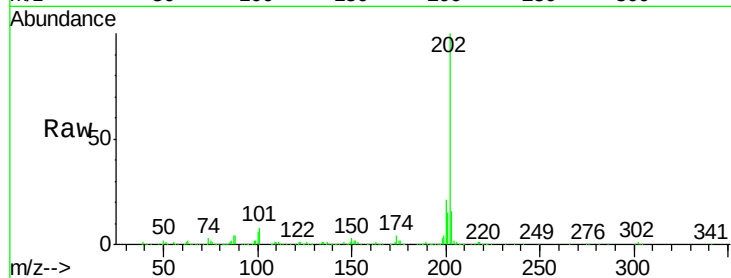
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Instrument :

BNA_G

ClientSampleId :

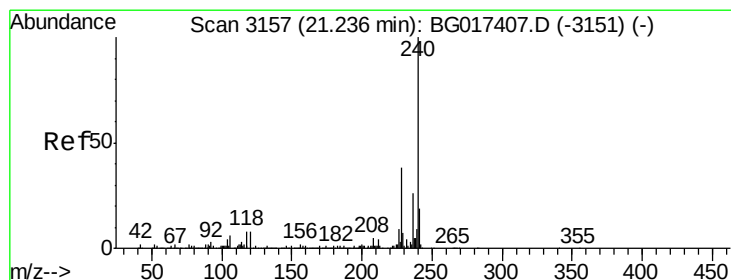
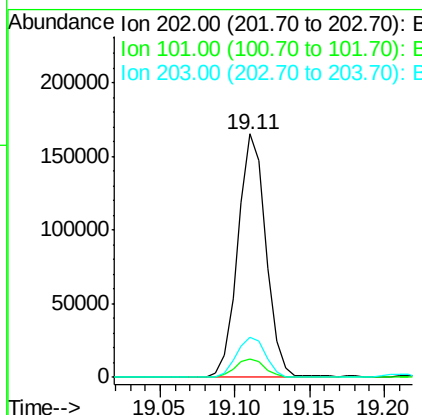
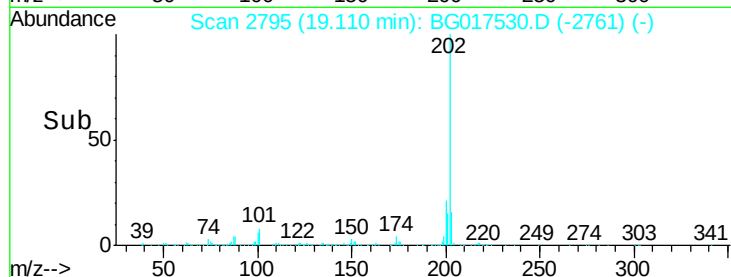
SP-2



Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		215776		
101	7.8	0.0	28.8		
203	16.3	0.0	37.6		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

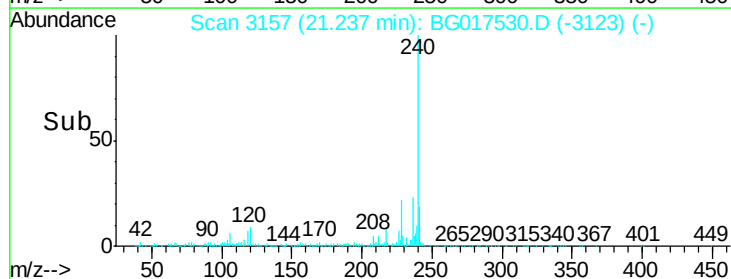
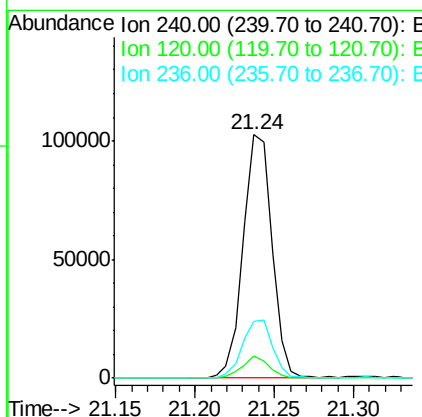
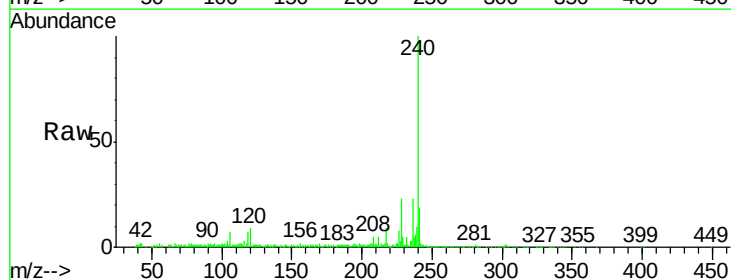
RT: 21.24 min Scan# 3157

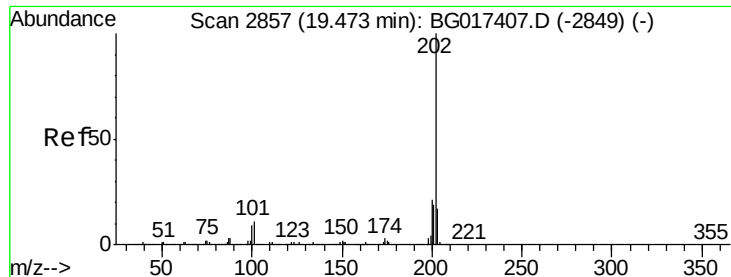
Delta R.T. 0.00 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		130141		
120	9.2	6.5	9.7		
236	23.3	20.8	31.2		





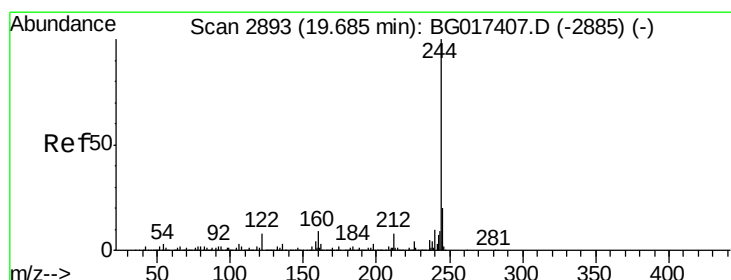
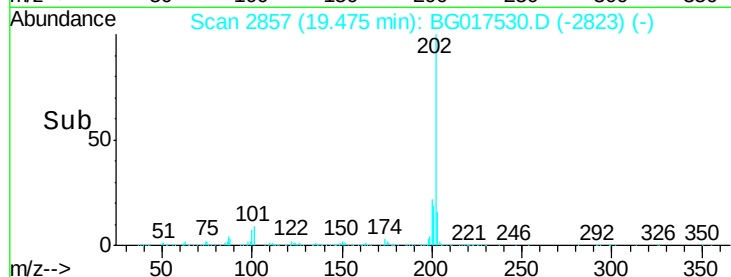
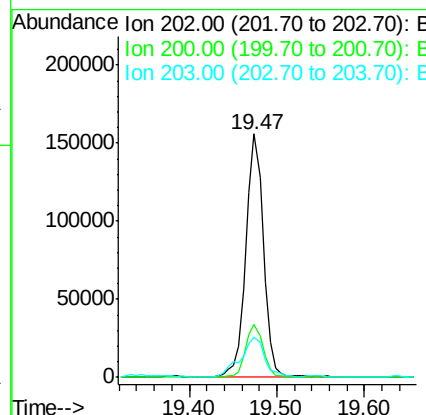
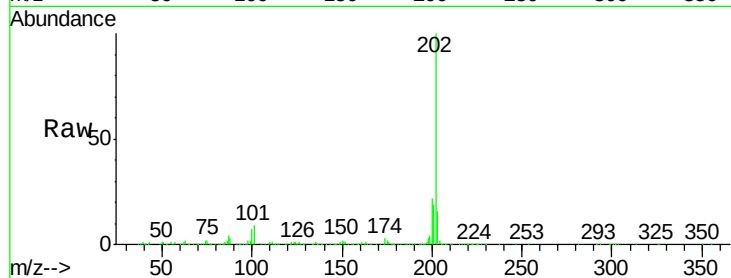
#77
 Pyrene
 Concen: 25.91 ng
 RT: 19.47 min Scan# 2857
 Delta R.T. 0.00 min
 Lab File: BG017530.D
 Acq: 7 Jun 2015 12:15

Instrument :
 BNA_G
 ClientSampleId :
 SP-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.6	17.0	25.4
203	16.4	13.9	20.9

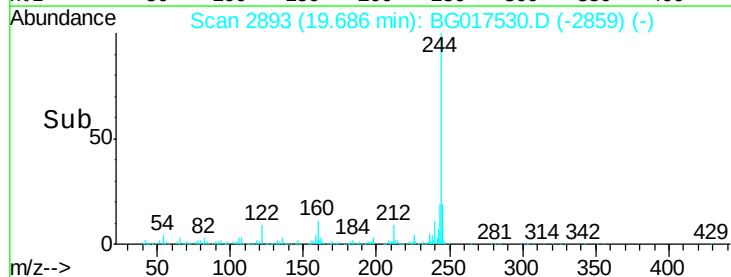
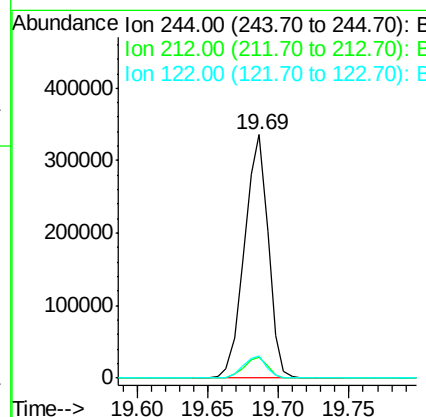
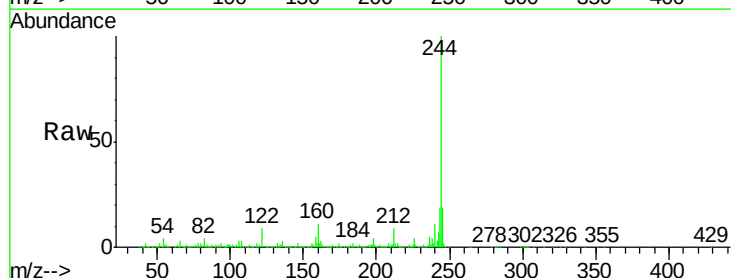
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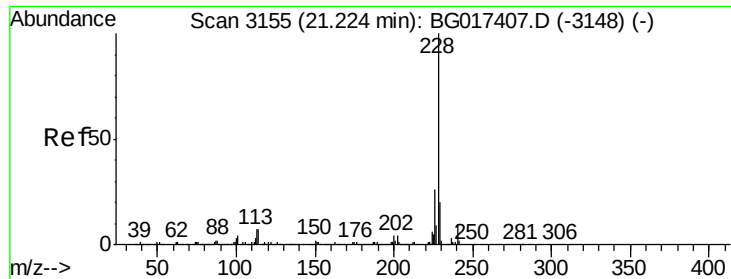
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#78
 Terphenyl-d14
 Concen: 62.59 ng
 RT: 19.69 min Scan# 2893
 Delta R.T. 0.00 min
 Lab File: BG017530.D
 Acq: 7 Jun 2015 12:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.6	6.4	9.6
122	9.3	6.6	10.0





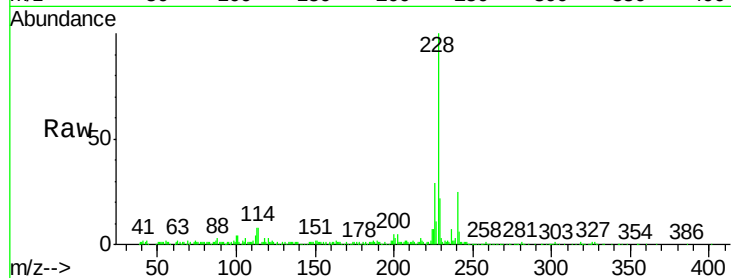
#80
Benzo(a)anthracene
Concen: 14.31 ng
RT: 21.23 min Scan# 3155
Delta R.T. 0.00 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

Instrument :
BNA_G
ClientSampled :
SP-2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.0	31.6
229	21.9	15.7	23.5

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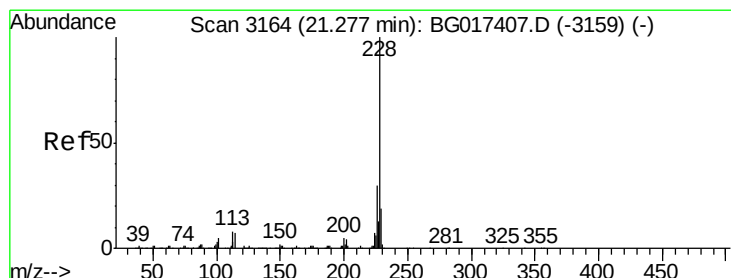
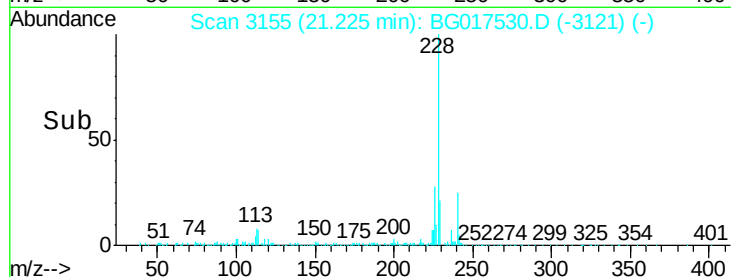
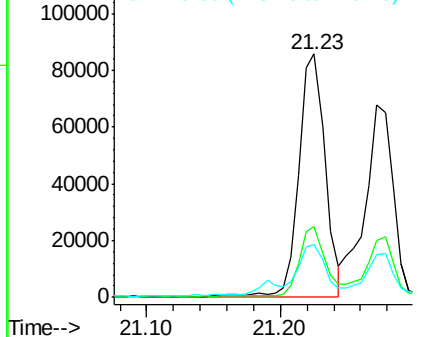


Abundance

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: 12.92 ng
RT: 21.27 min Scan# 3163
Delta R.T. -0.00 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

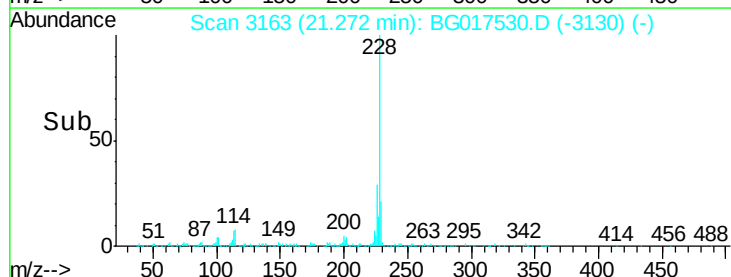
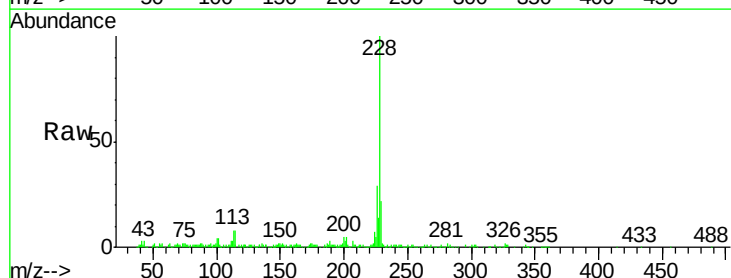
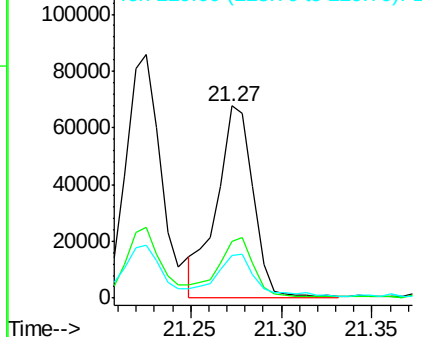
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.7	35.5
229	21.9	15.2	22.8

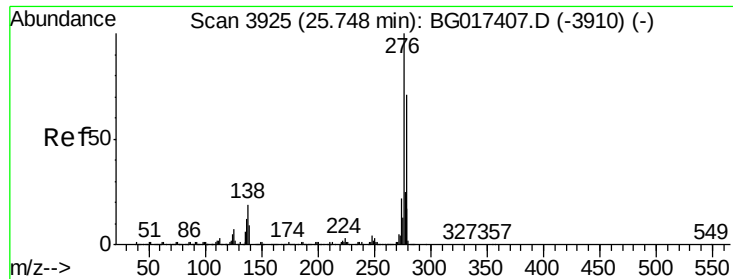
Abundance

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





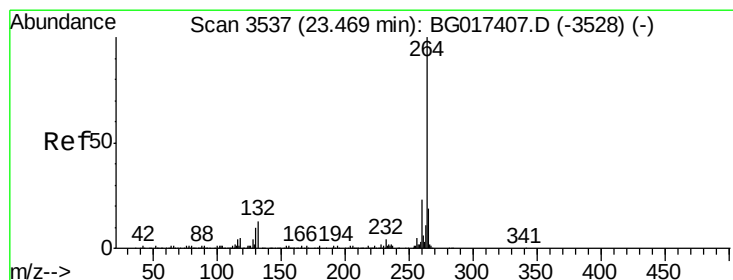
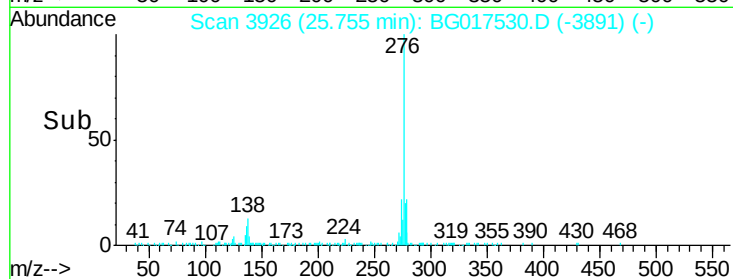
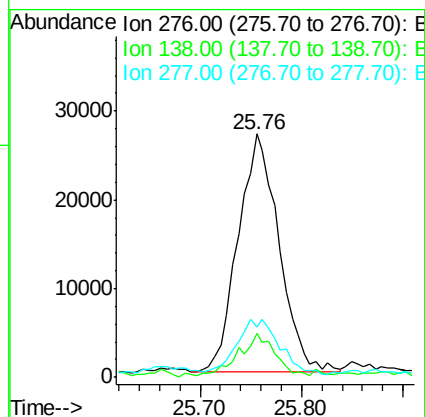
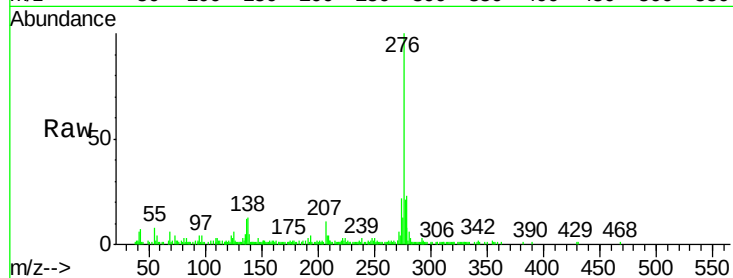
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.27 ng
 RT: 25.76 min Scan# 3926
 Delta R.T. 0.01 min
 Lab File: BG017530.D
 Acq: 7 Jun 2015 12:15

Instrument :
 BNA_G
 ClientSampleId :
 SP-2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.9	15.4	23.0#
277	23.6	20.5	30.7

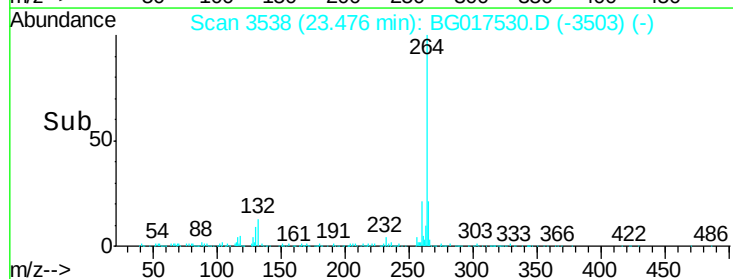
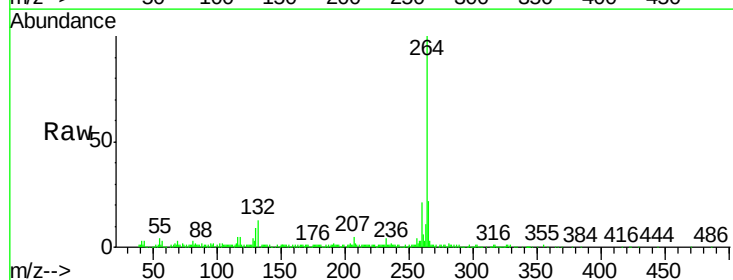
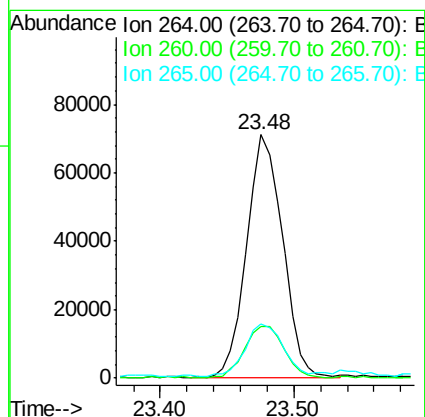
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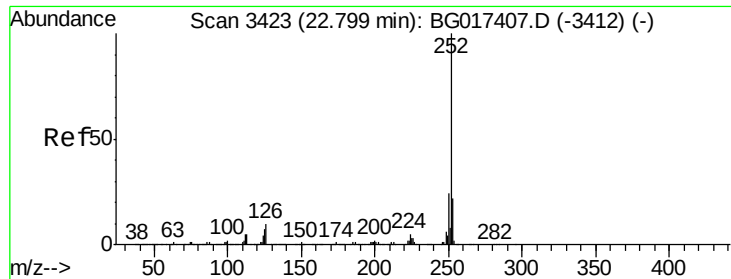
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.48 min Scan# 3538
 Delta R.T. 0.01 min
 Lab File: BG017530.D
 Acq: 7 Jun 2015 12:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.5	18.2	27.4
265	22.0	15.8	23.6





#87

Benzo(b)fluoranthene

Concen: 17.51 ng

RT: 22.81 min Scan# 3424

Delta R.T. 0.01 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

Instrument :

BNA_G

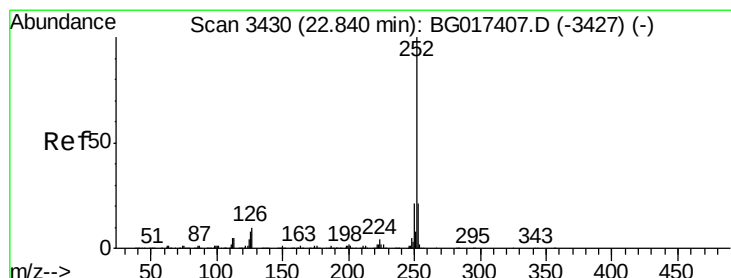
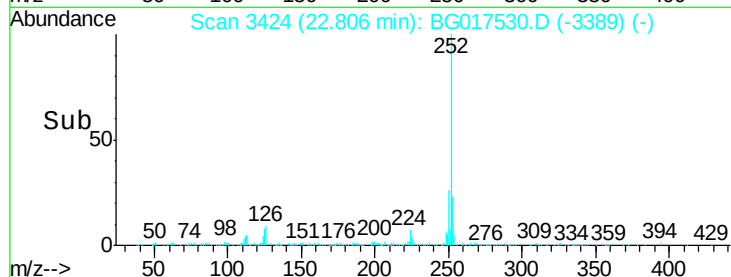
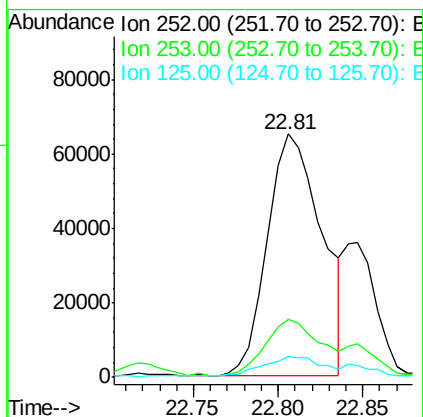
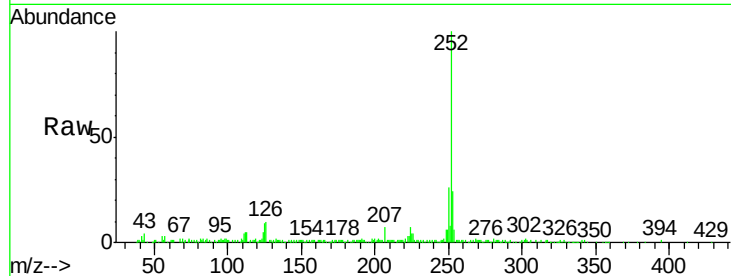
ClientSampled :

SP-2

Tgt Ion:	252	Resp:	146105
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.4	26.2
125	8.8	5.8	8.8#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 5.83 ng m

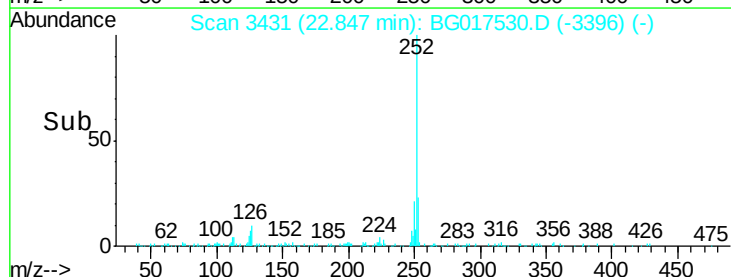
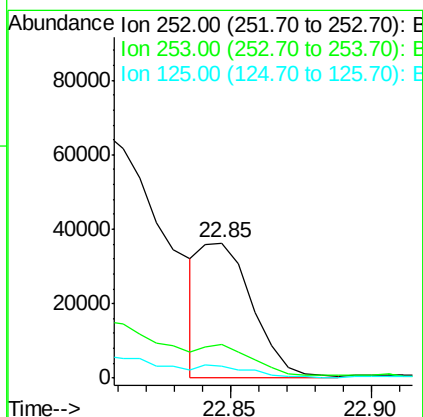
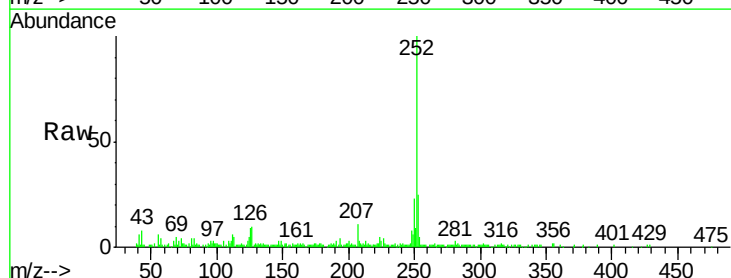
RT: 22.85 min Scan# 3431

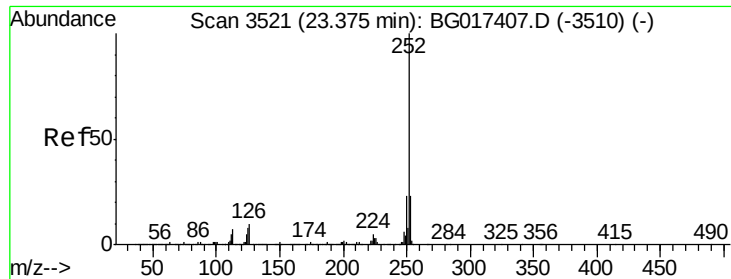
Delta R.T. 0.01 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

Tgt Ion:	252	Resp:	46581
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.7	26.5
125	8.8	6.5	9.7





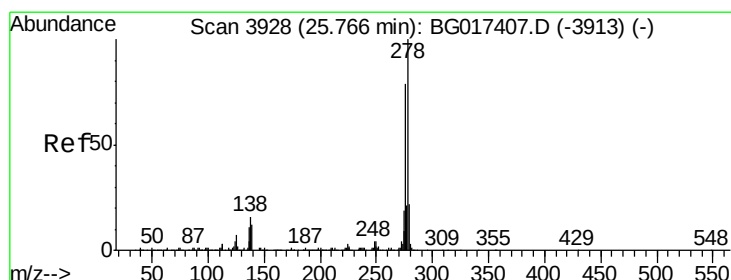
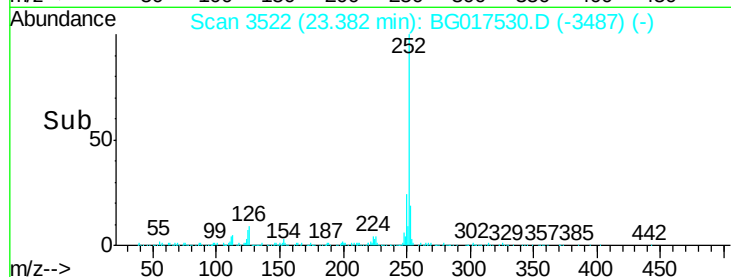
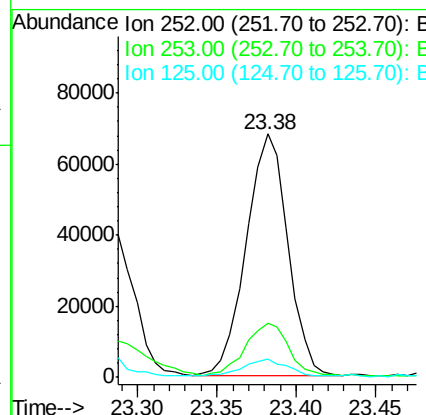
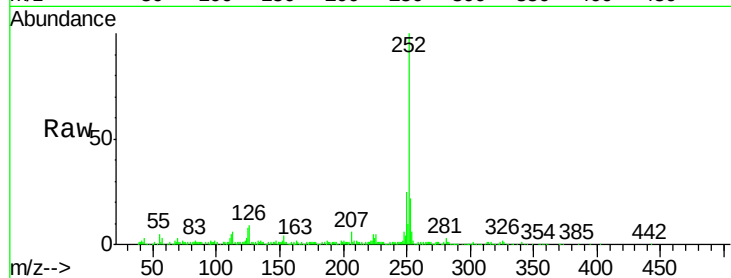
#89
Benzo(a)pyrene
Concen: 16.23 ng
RT: 23.38 min Scan# 3522
Delta R.T. 0.01 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

Instrument :
BNA_G
ClientSampleId :
SP-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.5	18.1	27.1
125	7.7	6.5	9.7

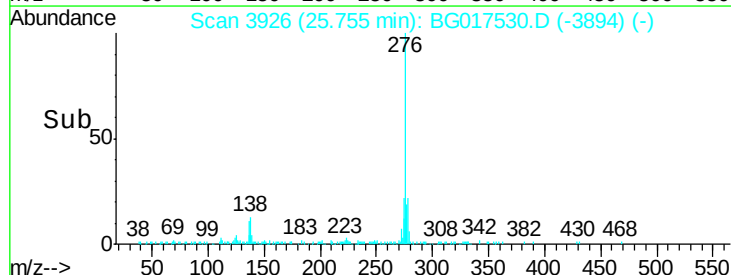
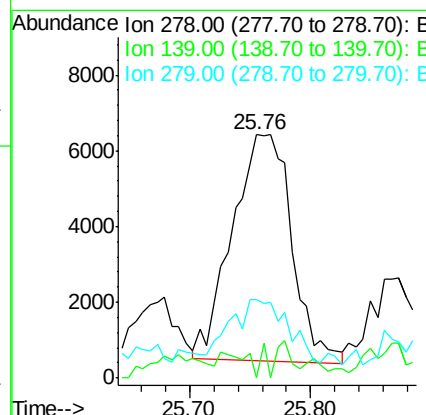
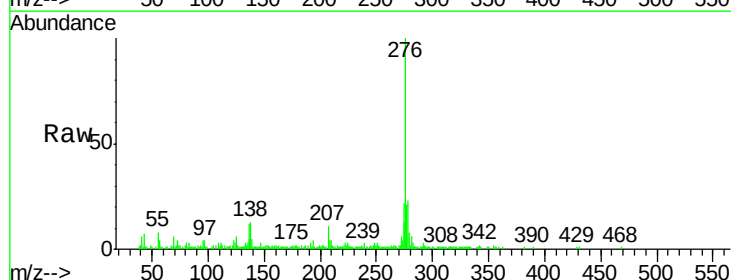
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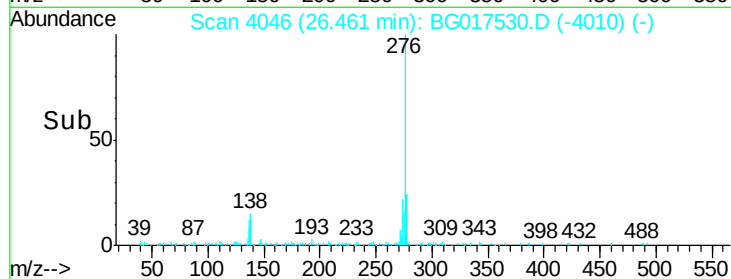
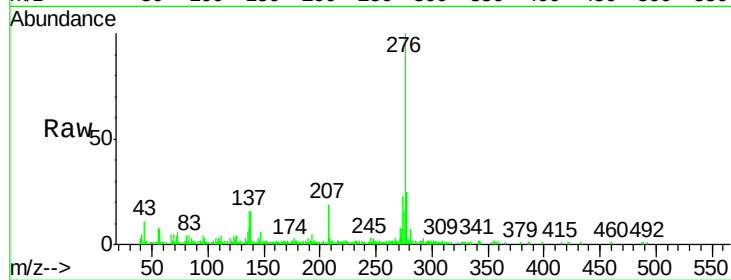
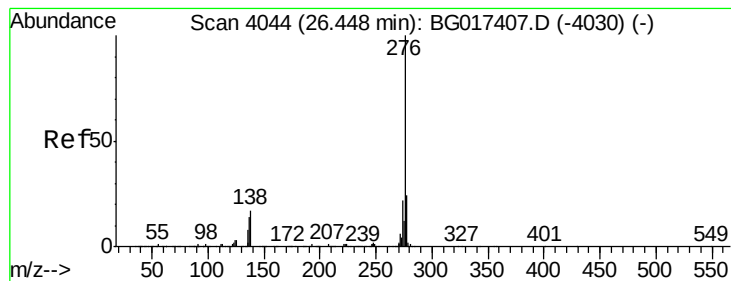
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#90
Dibenzo(a,h)anthracene
Concen: 2.56 ng
RT: 25.76 min Scan# 3926
Delta R.T. -0.01 min
Lab File: BG017530.D
Acq: 7 Jun 2015 12:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	0.0	9.4	14.0#
279	32.5	17.8	26.8#





#91

Benzo(g,h,i)perylene

Concen: 9.96 ng

RT: 26.46 min Scan# 4046

Delta R.T. 0.01 min

Lab File: BG017530.D

Acq: 7 Jun 2015 12:15

Instrument :

BNA_G

ClientSampleId :

SP-2

Tgt Ion:	276	Resp:	75391
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.2	28.8
138	15.6	13.5	20.3

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