

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017566.D
 Acq On : 9 Jun 2015 8:57
 Operator : TP/IZ
 Sample : G2457-09DL 4X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-5DL

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Quant Time: Jun 09 11:11:51 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 18:39:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	20681	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	89930	20.00	ng	0.00
38) Acenaphthene-d10	14.27	164	55480	20.00	ng	-0.01
63) Phenanthrene-d10	17.02	188	112347	20.00	ng	-0.02
75) Chrysene-d12	21.22	240	130003	20.00	ng	-0.02
86) Perylene-d12	23.45	264	130926	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	46766	39.84	ng	0.00
7) Phenol-d6	6.82	99	62205	38.90	ng	0.00
23) Nitrobenzene-d5	8.77	82	44496	24.70	ng	0.00
41) 2,4,6-Tribromophenol	15.77	330	25942	33.67	ng	-0.01
44) 2-Fluorobiphenyl	12.88	172	92061	25.03	ng	-0.02
78) Terphenyl-d14	19.66	244	122665	19.50	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	13.99	152	14151	2.37	ng	97
49) Dimethylphthalate	13.73	163	28052	5.81	ng	# 96
70) Phenanthrene	17.07	178	173922	27.77	ng	98
71) Anthracene	17.16	178	31264	5.00	ng	98
74) Fluoranthene	19.09	202	381040	46.52	ng	98
77) Pyrene	19.46	202	319457	39.89	ng	98
80) Benzo(a)anthracene	21.20	228	159997	20.01	ng	99
82) Chrysene	21.25	228	152507m	21.06	ng	
85) Indeno(1,2,3-cd)pyrene	25.71	276	64316	7.07	ng	# 95
87) Benzo(b)fluoranthene	22.78	252	199170	24.01	ng	98
88) Benzo(k)fluoranthene	22.82	252	61934m	7.80	ng	
89) Benzo(a)pyrene	23.35	252	135013m	17.74	ng	
90) Dibenzo(a,h)anthracene	25.71	278	18717	2.37	ng	# 84
91) Benzo(g,h,i)perylene	26.41	276	57005	7.58	ng	# 91

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

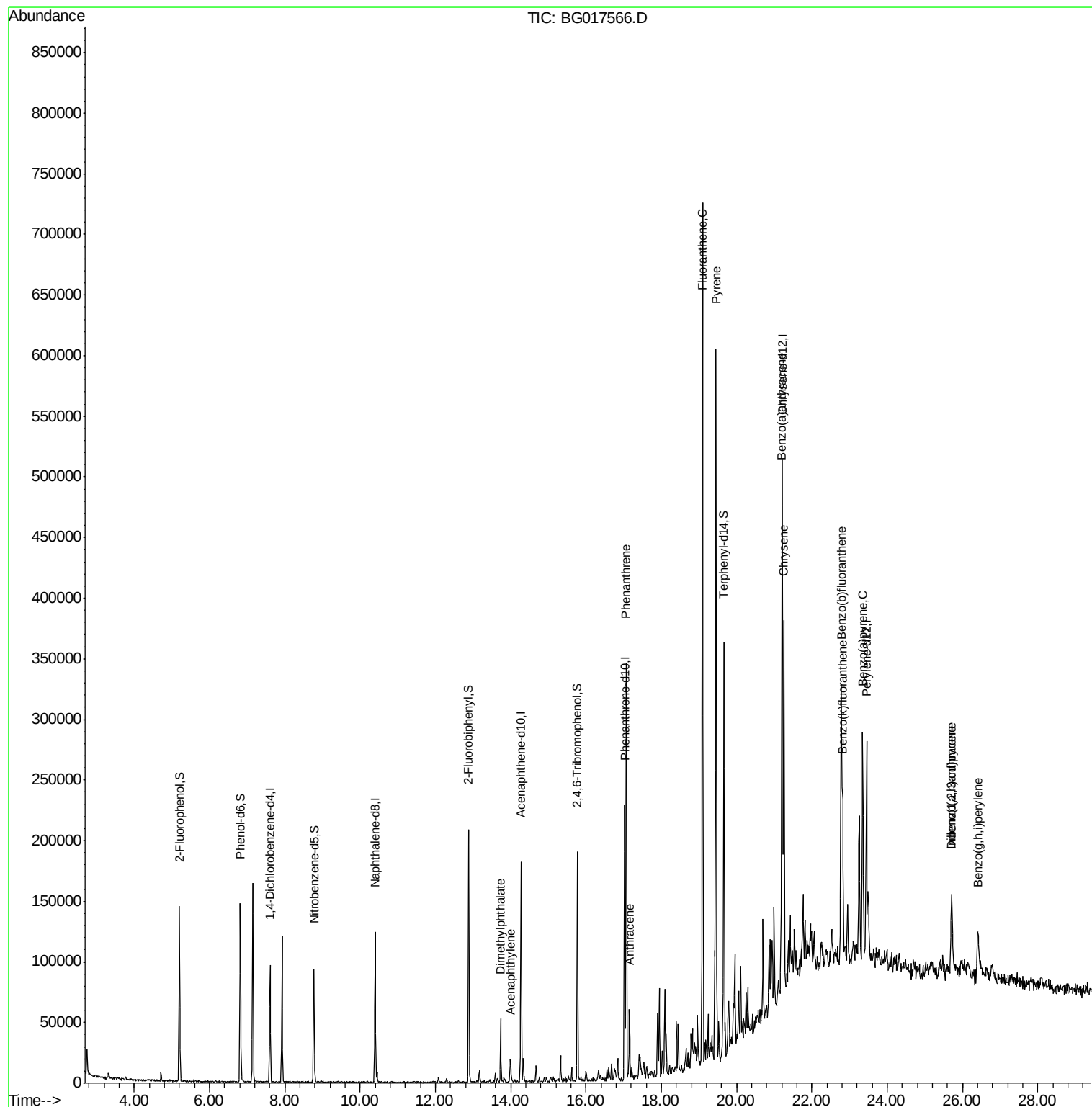
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017566.D
Acq On : 9 Jun 2015 8:57
Operator : TP/IZ
Sample : G2457-09DL 4X
Misc :
ALS Vial : 26 Sample Multiplier: 1

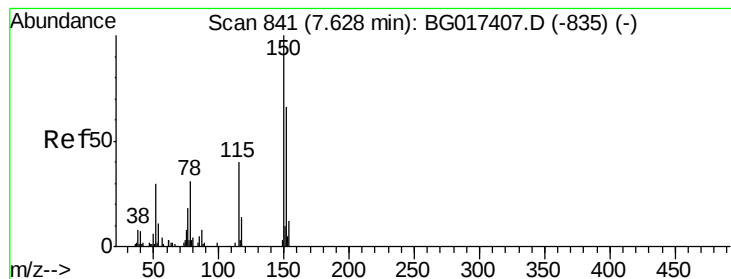
Instrument :
BNA_G
ClientSampleId :
SP-5DL

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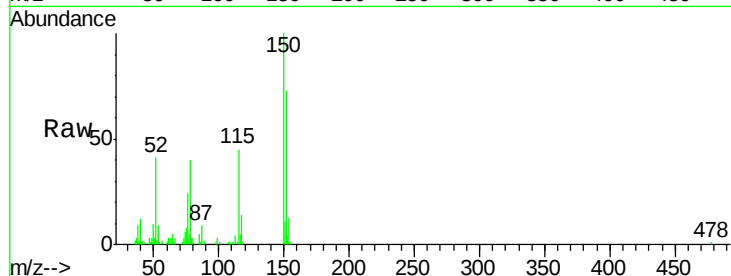
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 18:39:50 2015
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.61 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BG017566.D
 Acq: 9 Jun 2015 8:57

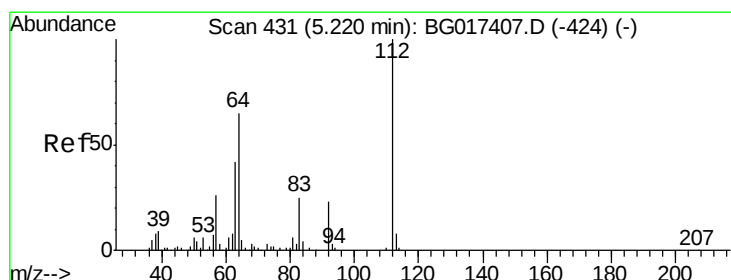
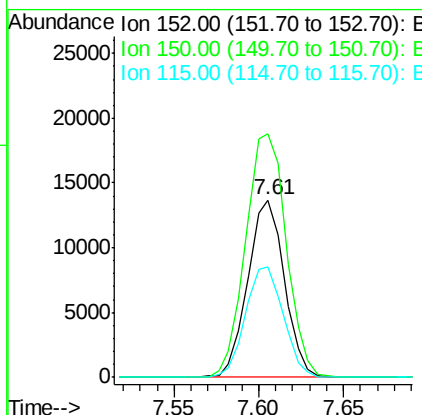
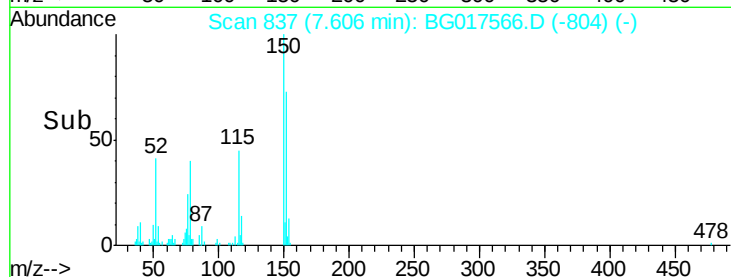
Instrument :
 BNA_G
 ClientSampled :
 SP-5DL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	137.5	121.7	182.5
115	62.4	48.6	73.0

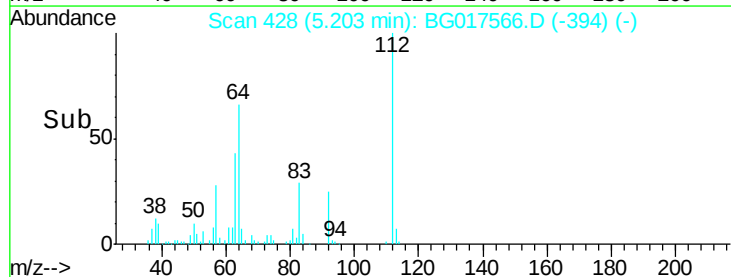
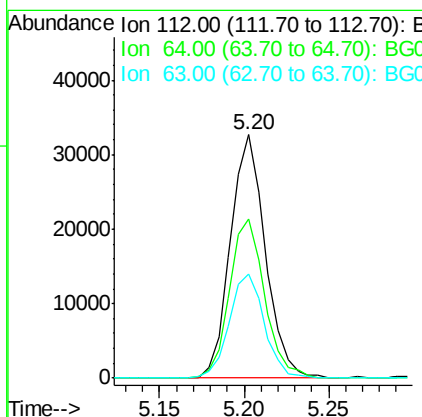
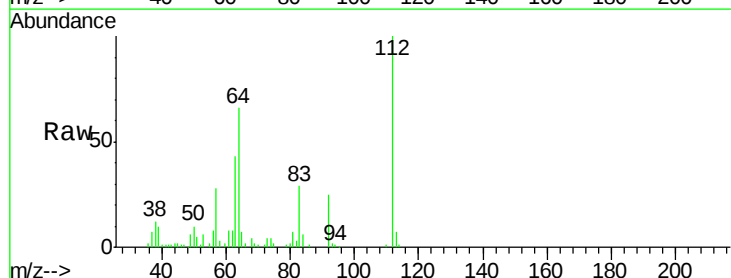
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#5
 2-Fluorophenol
 Concen: 39.84 ng
 RT: 5.20 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: BG017566.D
 Acq: 9 Jun 2015 8:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	51.6	77.4
63	42.9	33.3	49.9





#7

Phenol-d6

Concen: 38.90 ng

RT: 6.82 min Scan# 703

Delta R.T. -0.00 min

Lab File: BG017566.D

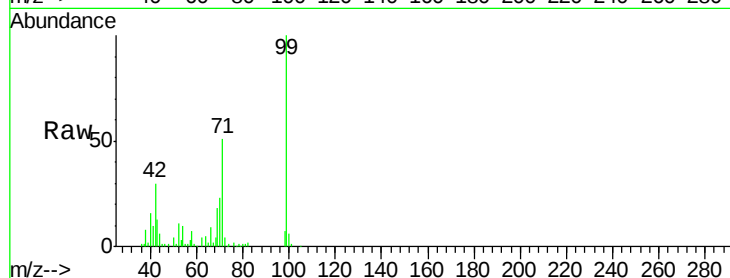
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Instrument :

BNA_G

ClientSampleId :

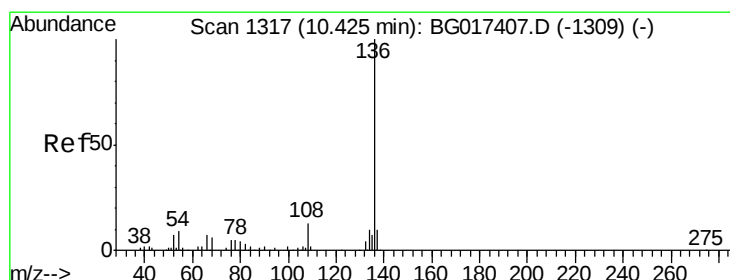
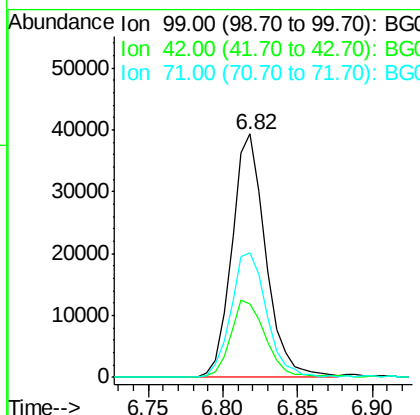
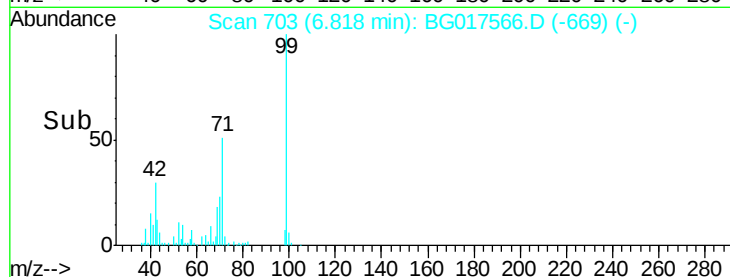
SP-5DL



Tgt Ion	Ratio	Lower	Upper
99	100		
42	30.3	21.0	31.6
71	51.0	37.2	55.8

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#21

Naphthalene-d8

Concen: 20.00 ng

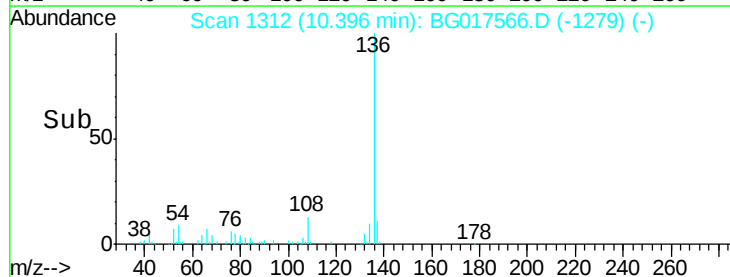
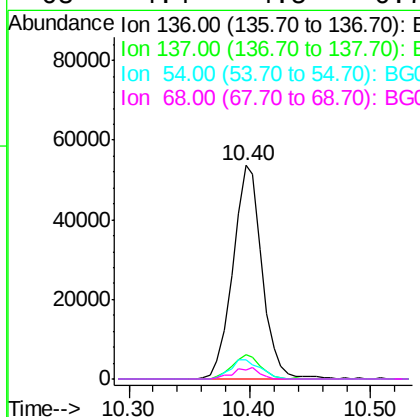
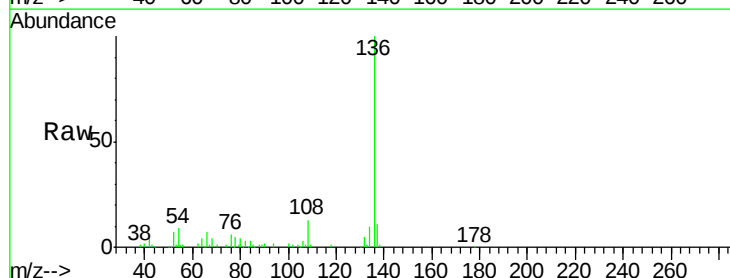
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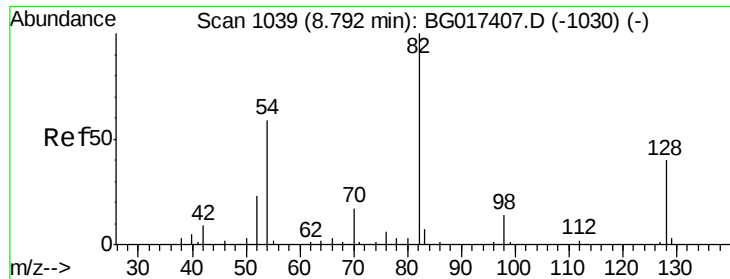
Delta R.T. -0.01 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	7.9	11.9
54	8.9	7.2	10.8
68	4.4	4.5	6.7#





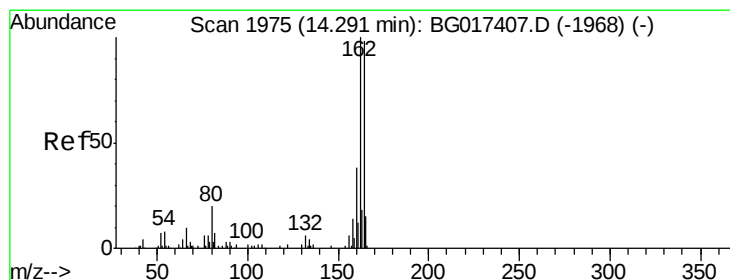
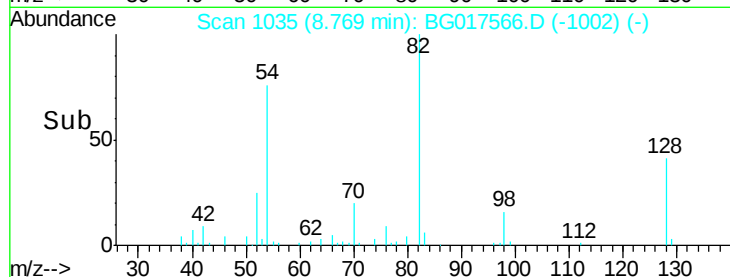
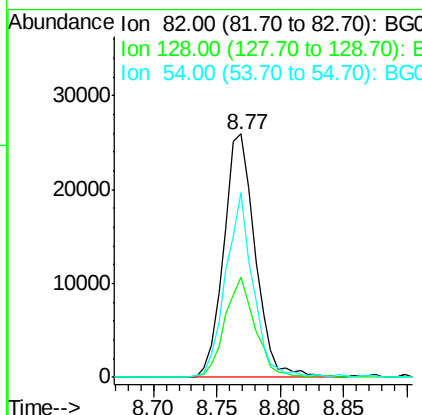
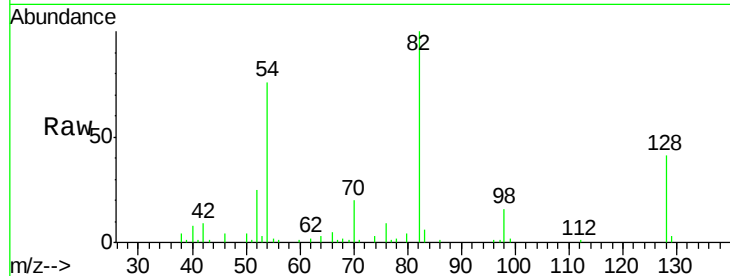
#23
 Nitrobenzene-d5
 Concen: 24.70 ng
 RT: 8.77 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BG017566.D
 Acq: 9 Jun 2015 8:57

Instrument :
 BNA_G
 ClientSampleId :
 SP-5DL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	44496		
128	41.3	32.2	48.4	
54	76.0	47.4	71.2	

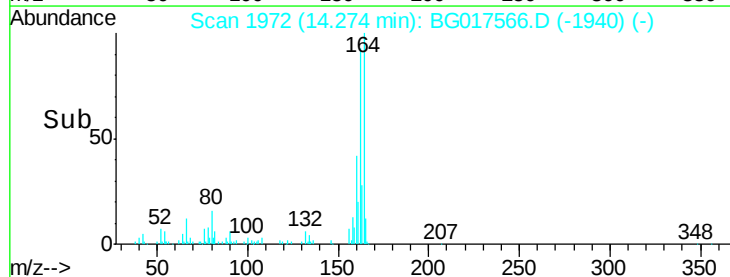
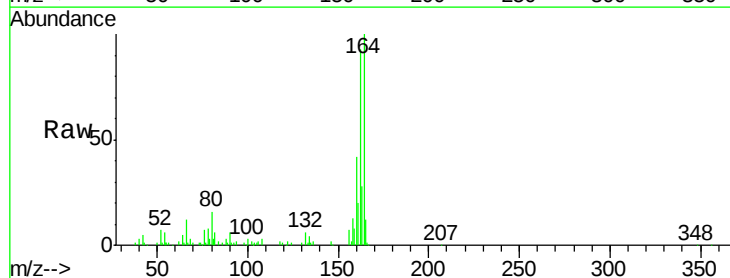
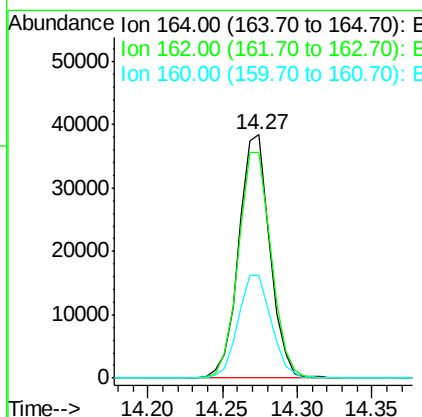
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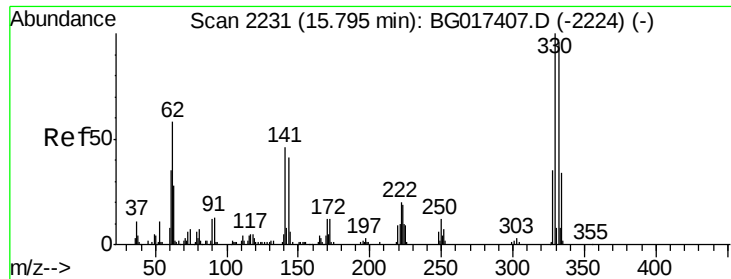
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.27 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: BG017566.D
 Acq: 9 Jun 2015 8:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	55480		
162	92.8	81.8	122.6	
160	42.2	31.0	46.4	





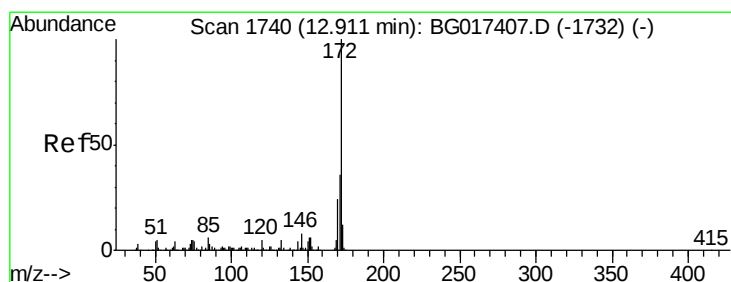
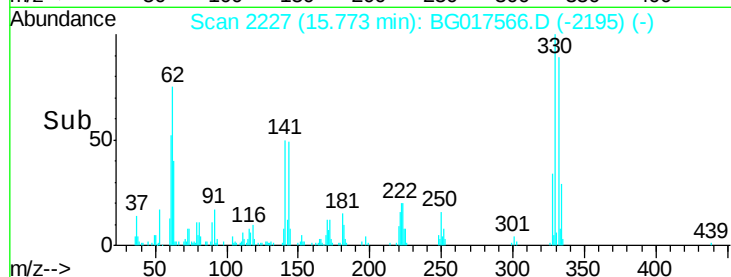
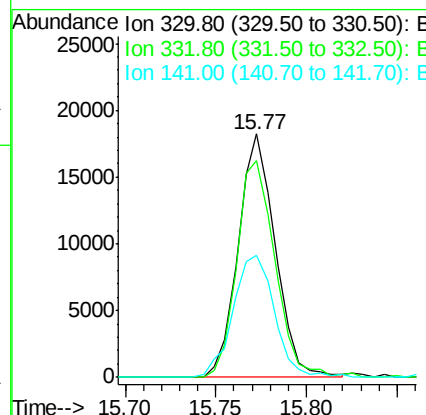
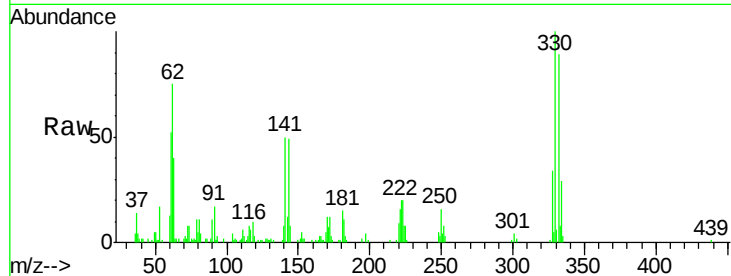
#41
 2,4,6-Tribromophenol
 Concen: 33.67 ng
 RT: 15.77 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG017566.D
 Acq: 9 Jun 2015 8:57

Instrument :
 BNA_G
 ClientSampled :
 SP-5DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	25942		
332	92.3	75.9	113.9	
141	56.3	40.2	60.4	

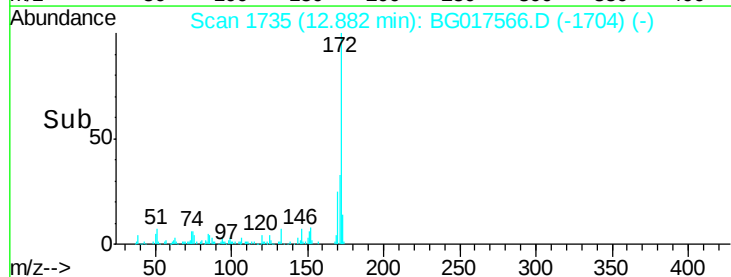
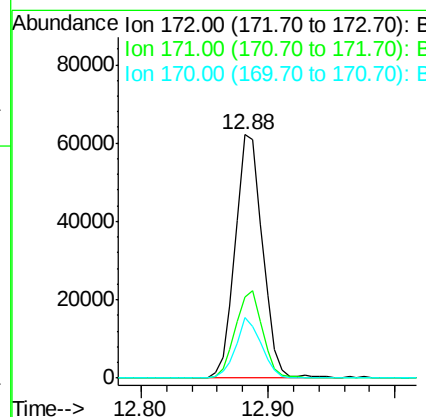
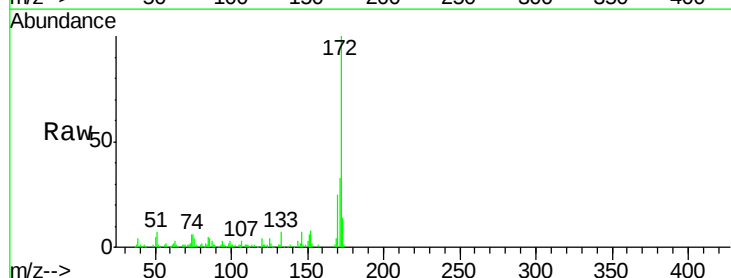
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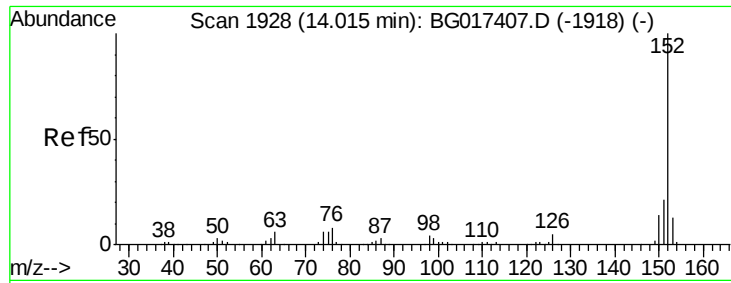
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#44
 2-Fluorobiphenyl
 Concen: 25.03 ng
 RT: 12.88 min Scan# 1735
 Delta R.T. -0.02 min
 Lab File: BG017566.D
 Acq: 9 Jun 2015 8:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	92061		
171	33.5	29.0	43.6	
170	24.7	18.9	28.3	





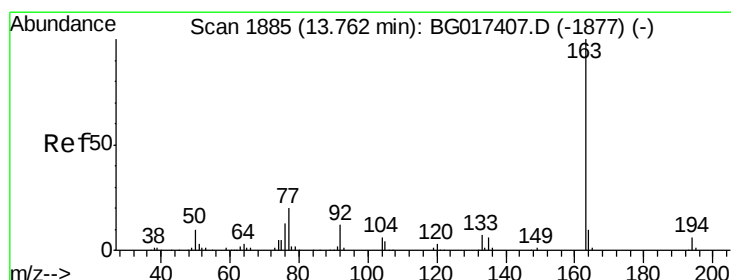
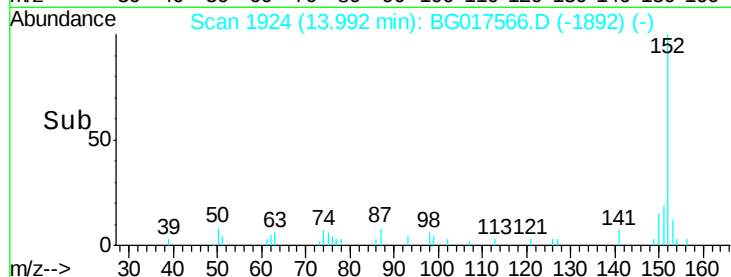
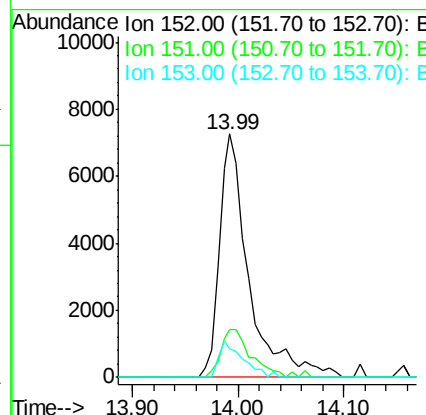
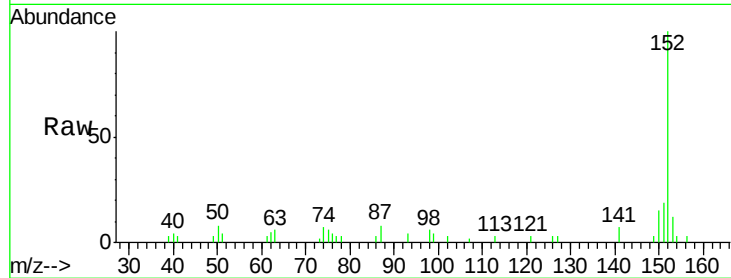
#48
Acenaphthylene
Concen: 2.37 ng
RT: 13.99 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Instrument :
BNA_G
ClientSampleId :
SP-5DL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	14151		
151	19.4	16.5	24.7	
153	11.7	10.7	16.1	

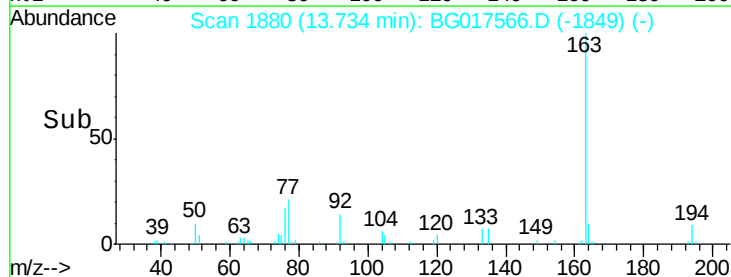
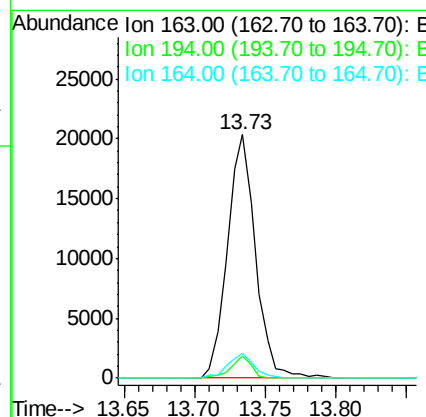
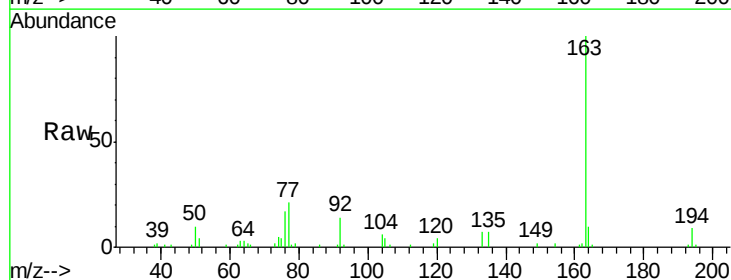
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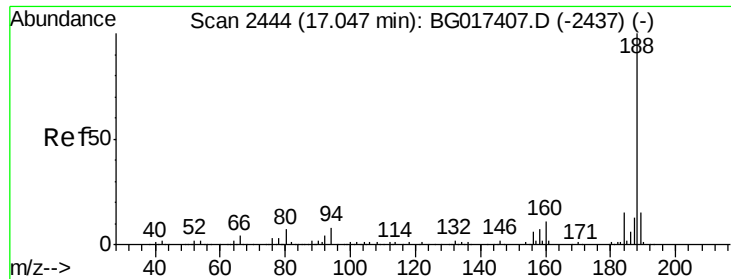
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#49
Dimethylphthalate
Concen: 5.81 ng
RT: 13.73 min Scan# 1880
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	28052		
194	9.2	4.9	7.3#	
164	10.1	8.2	12.2	





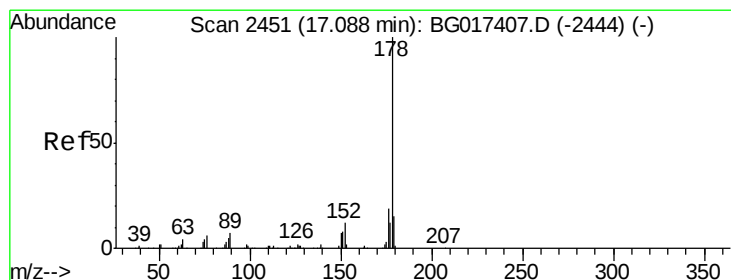
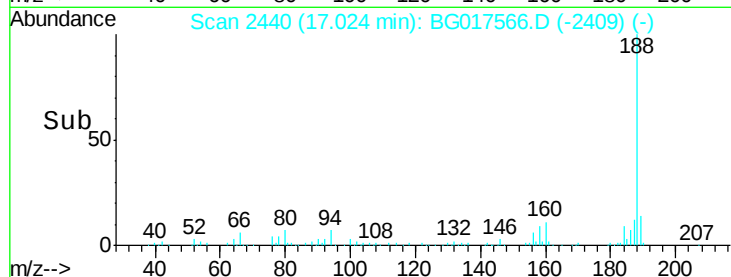
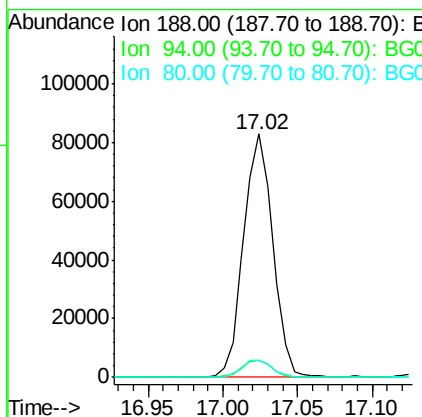
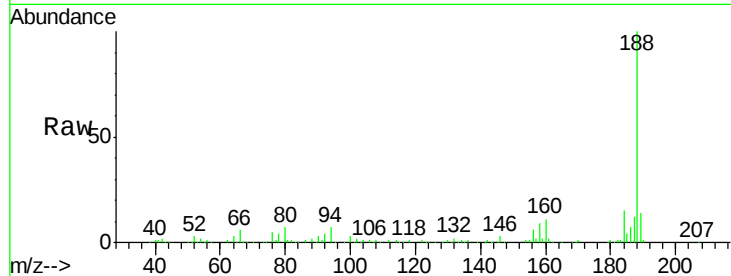
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.02 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Instrument :
BNA_G
ClientSampled :
SP-5DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.8	6.3	9.5
80	7.1	5.2	7.8

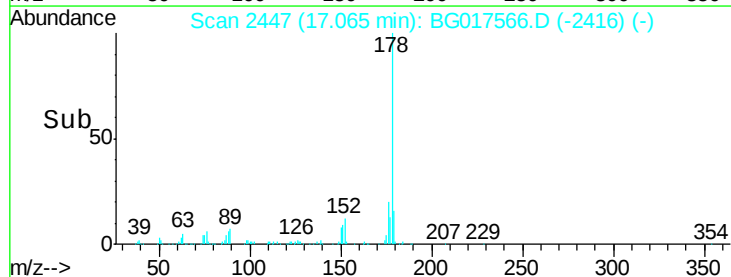
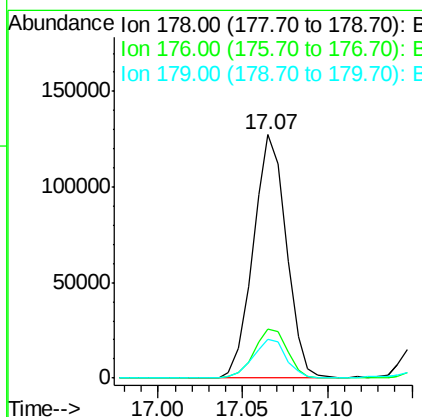
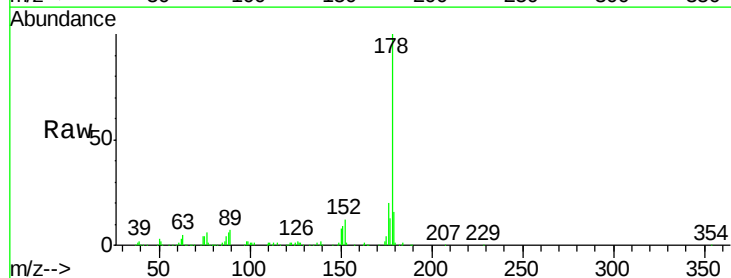
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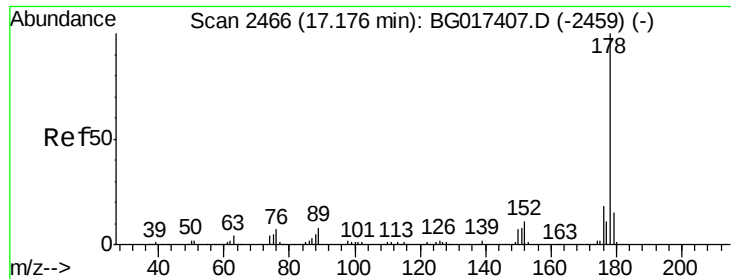
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#70
Phenanthrene
Concen: 27.77 ng
RT: 17.07 min Scan# 2447
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.3	15.6	23.4
179	16.1	12.2	18.2





#71

Anthracene

Concen: 5.00 ng

RT: 17.16 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Instrument :

BNA_G

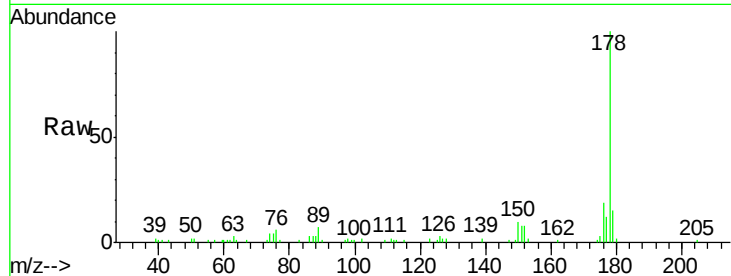
ClientSampled :

SP-5DL

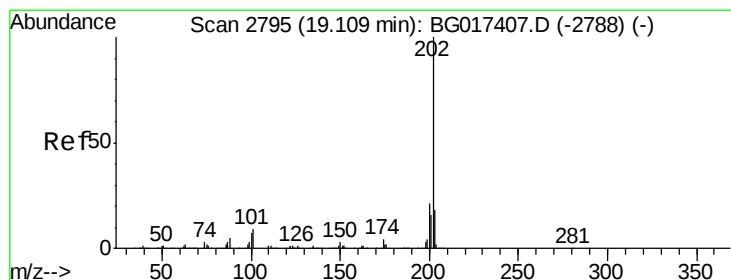
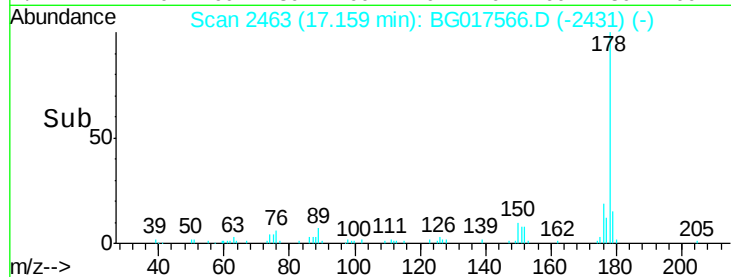
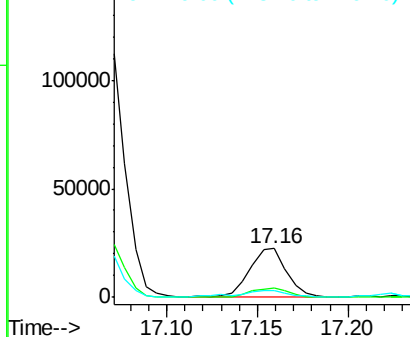
Tgt Ion:	178	Resp:	31264
Ion Ratio	Lower	Upper	
178	100		
176	19.0	14.2	21.2
179	14.7	12.2	18.4

Manual Integrations
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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: 46.52 ng

RT: 19.09 min Scan# 2792

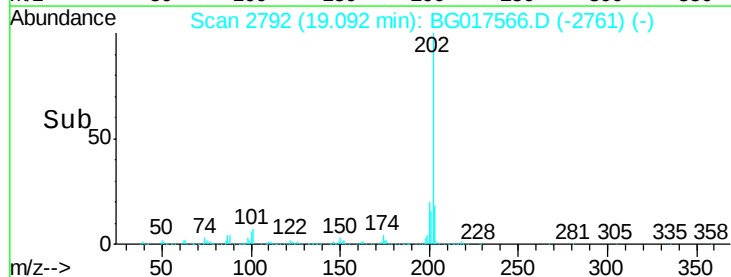
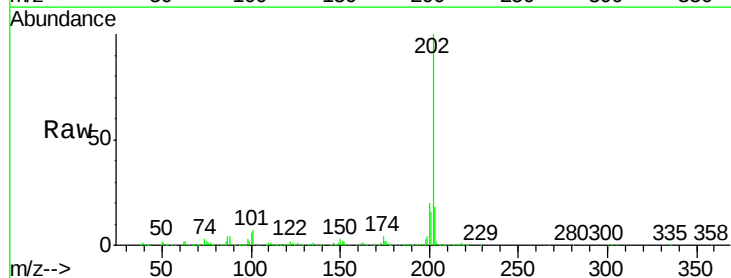
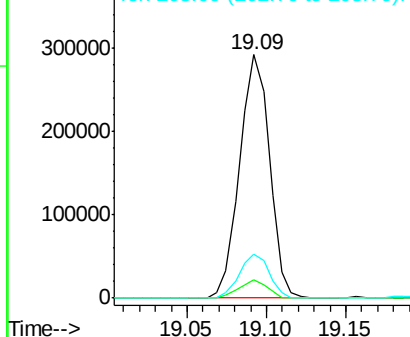
Delta R.T. -0.02 min

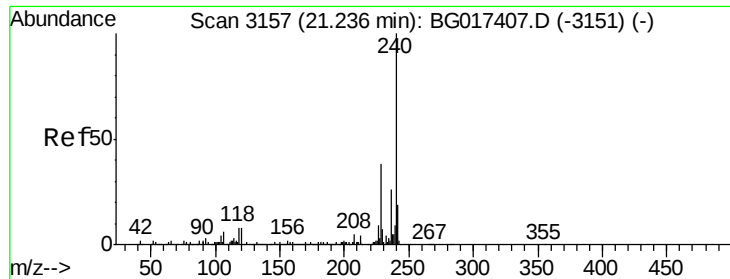
Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Tgt Ion:	202	Resp:	381040
Ion Ratio	Lower	Upper	
202	100		
101	7.4	0.0	28.8
203	18.1	0.0	37.6

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: 21.22 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Instrument :

BNA_G

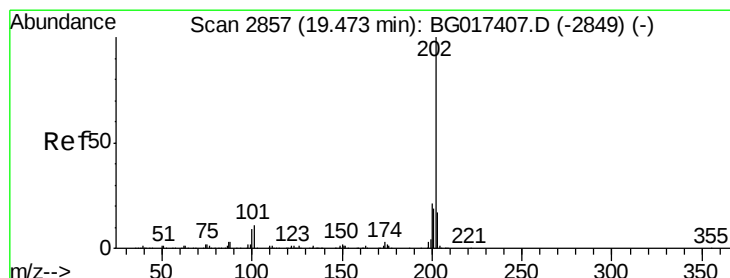
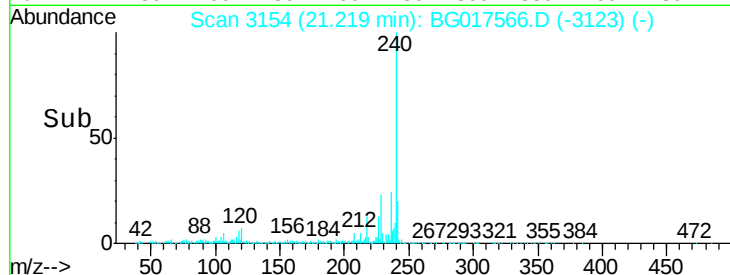
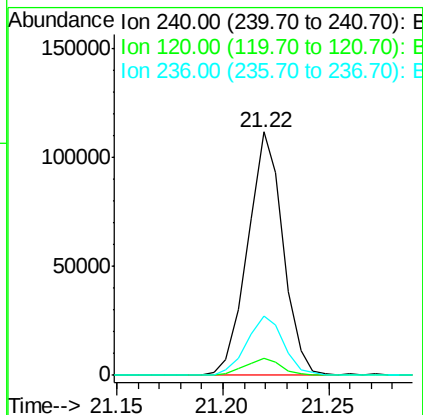
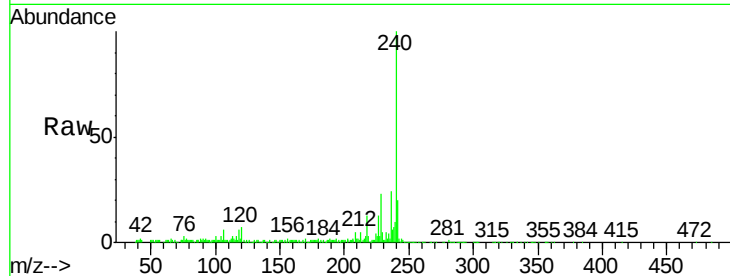
ClientSampled :

SP-5DL

Tgt	Ion	240	Resp:	130003
Ion	Ratio	Lower	Upper	
240	100			
120	7.0	6.5	9.7	
236	24.3	20.8	31.2	

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#77

Pyrene

Concen: 39.89 ng

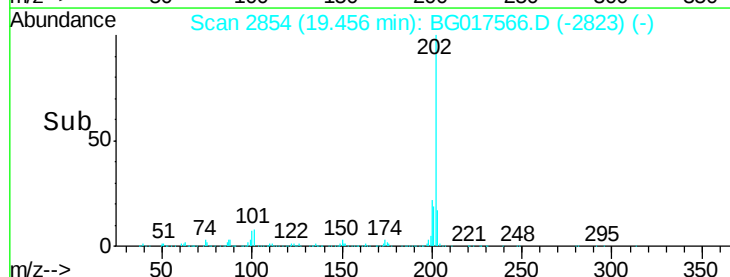
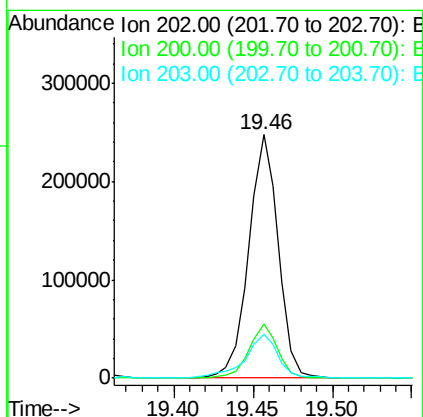
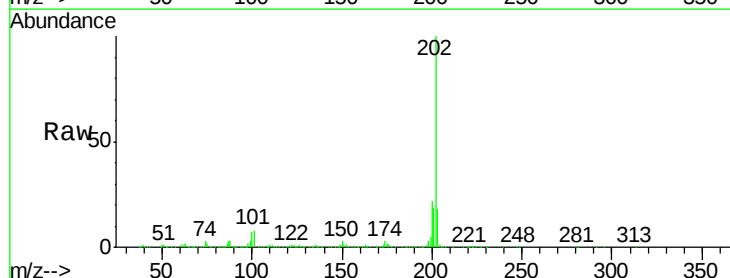
RT: 19.46 min Scan# 2854

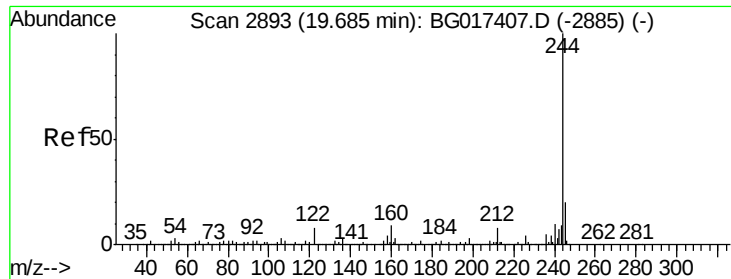
Delta R.T. -0.02 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Tgt	Ion	202	Resp:	319457
Ion	Ratio	Lower	Upper	
202	100			
200	22.4	17.0	25.4	
203	17.9	13.9	20.9	





#78

Terphenyl-d14

Concen: 19.50 ng

RT: 19.66 min Scan# 2889

Delta R.T. -0.02 min

Lab File: BG017566.D

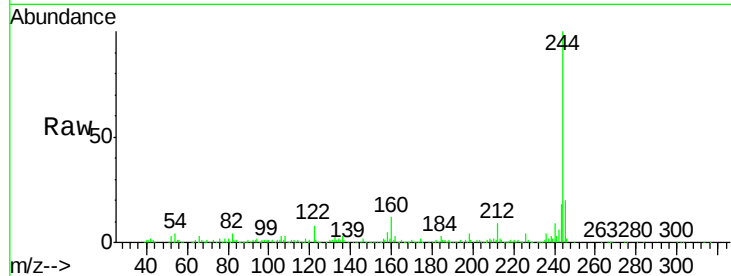
Acq: 9 Jun 2015 8:57

Instrument :

BNA_G

ClientSampleId :

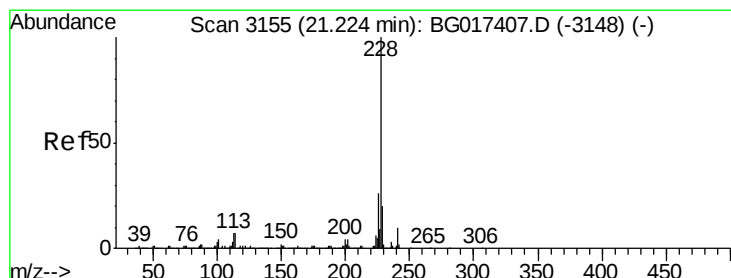
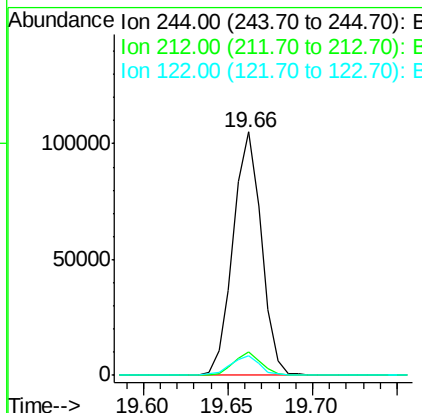
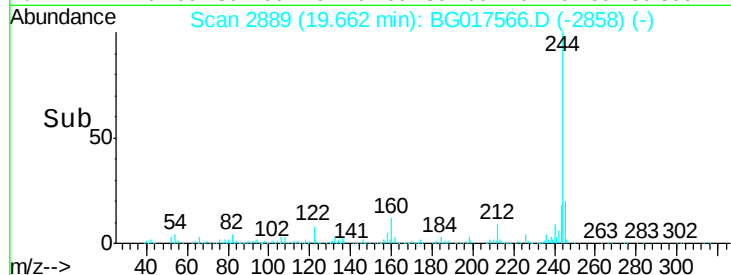
SP-5DL



Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.5	6.4	9.6
122	8.2	6.6	10.0

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#80

Benzo(a)anthracene

Concen: 20.01 ng

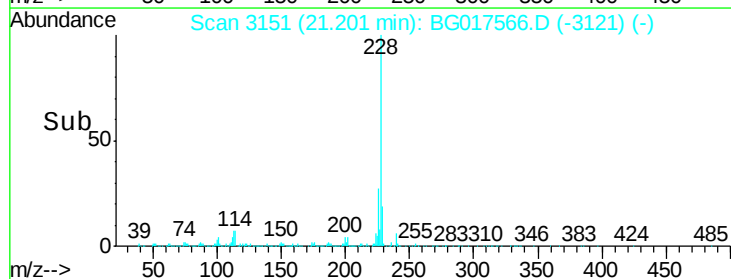
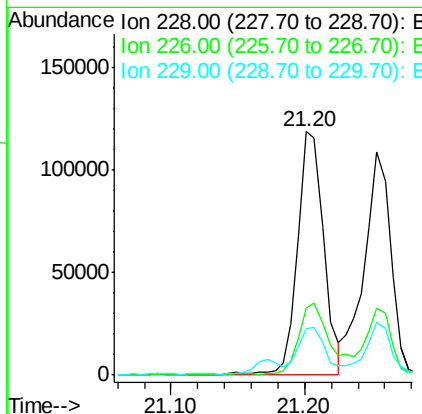
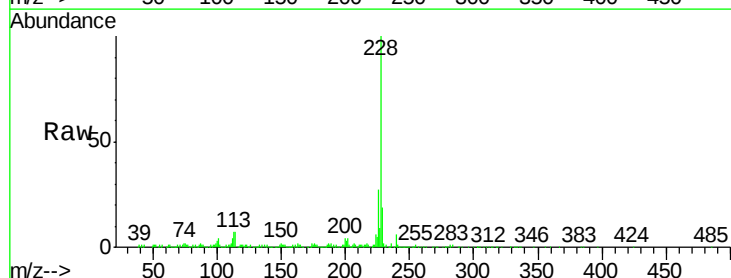
RT: 21.20 min Scan# 3151

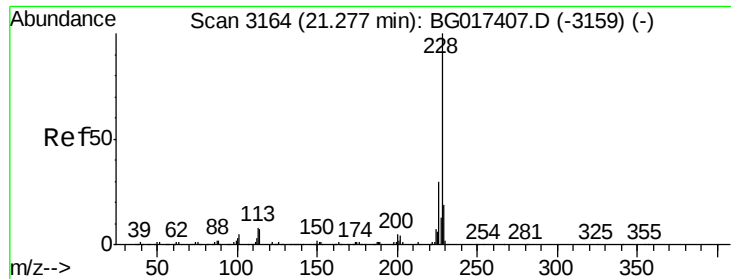
Delta R.T. -0.02 min

Lab File: BG017566.D

Acq: 9 Jun 2015 8:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.3	21.0	31.6
229	19.3	15.7	23.5





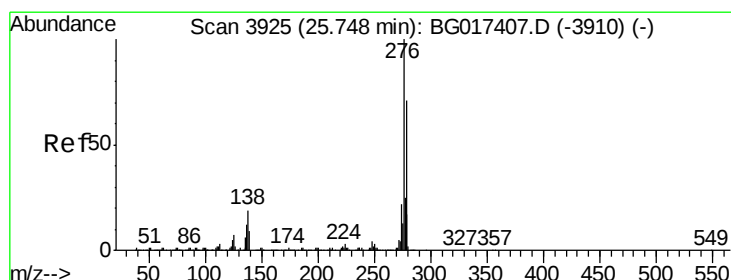
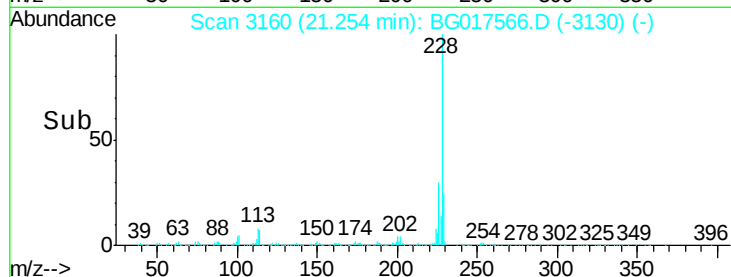
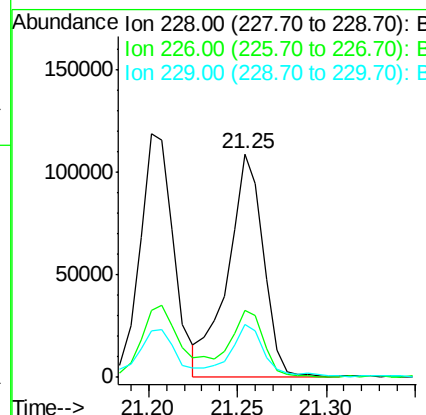
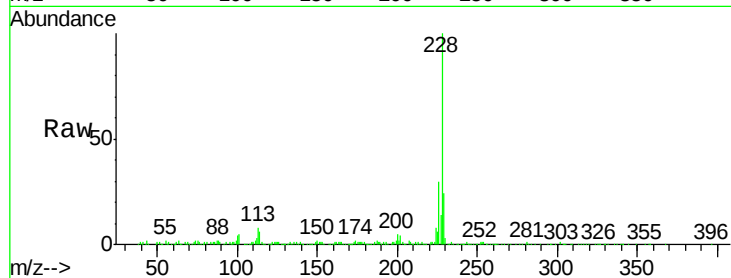
#82
Chrysene
Concen: 21.06 ng m
RT: 21.25 min Scan# 3160
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Instrument :
BNA_G
ClientSampleId :
SP-5DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.7	35.5
229	23.8	15.2	22.8

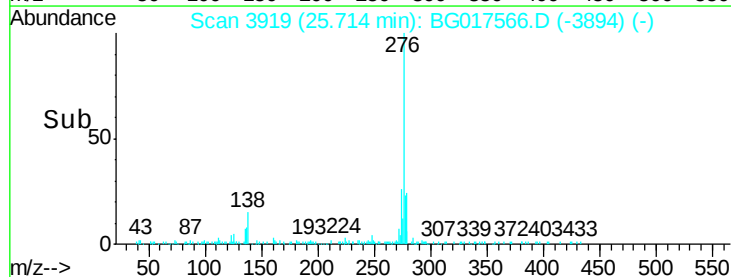
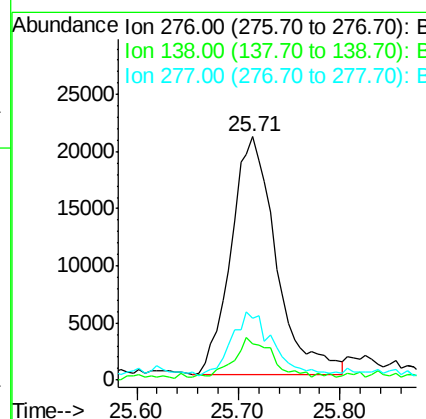
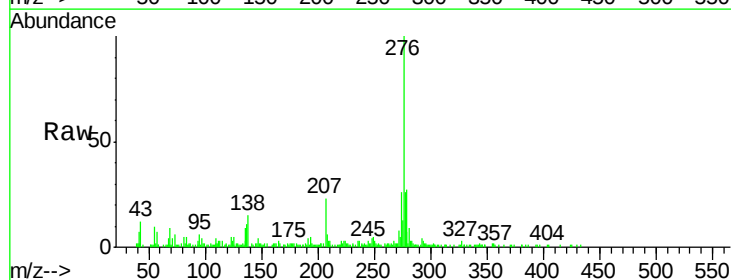
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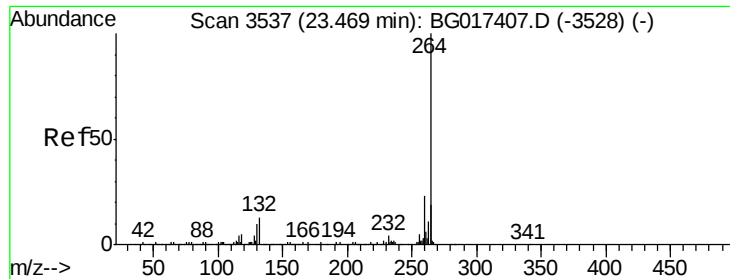
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.07 ng
RT: 25.71 min Scan# 3919
Delta R.T. -0.05 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.5	15.4	23.0
277	24.9	20.5	30.7





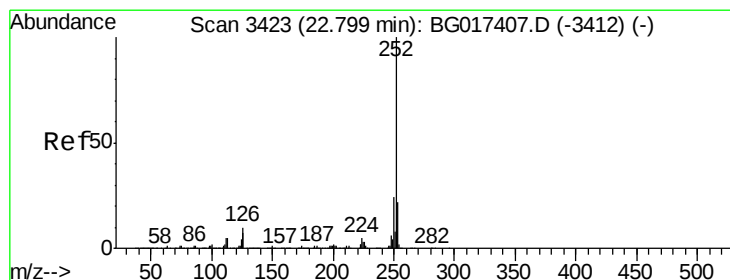
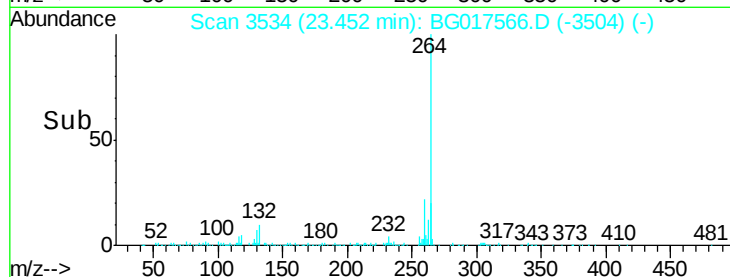
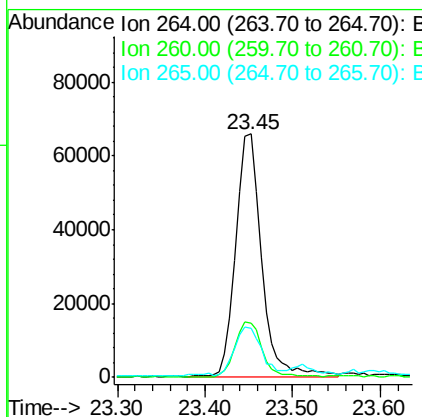
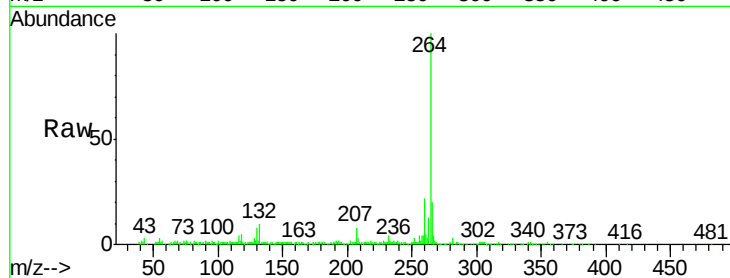
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.45 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Instrument :
BNA_G
ClientSampleId :
SP-5DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.2	27.4
265	20.2	15.8	23.6

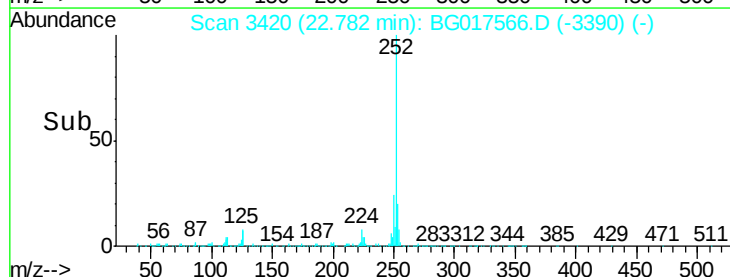
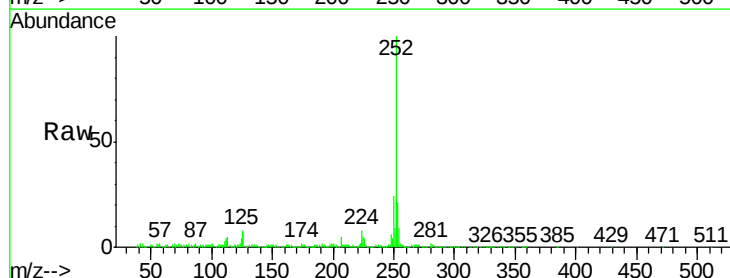
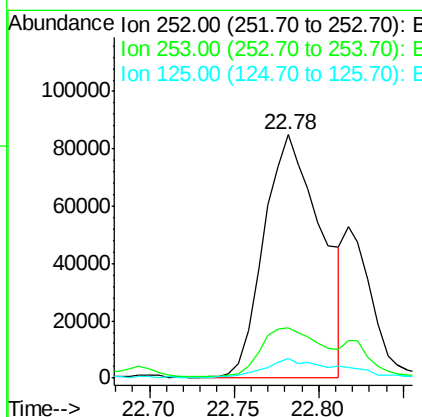
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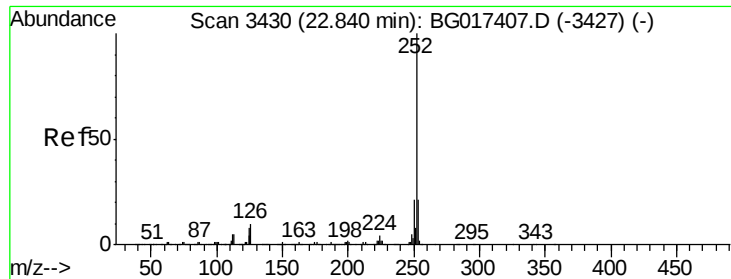
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#87
Benzo(b)fluoranthene
Concen: 24.01 ng
RT: 22.78 min Scan# 3420
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.4	26.2
125	7.9	5.8	8.8





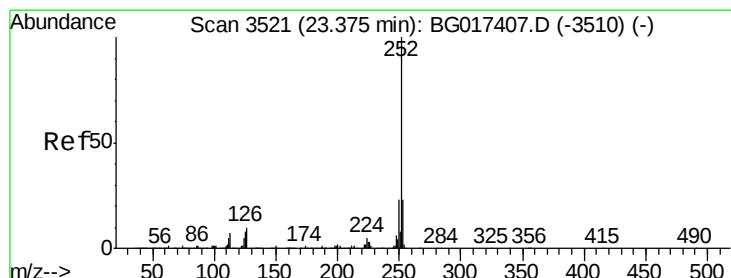
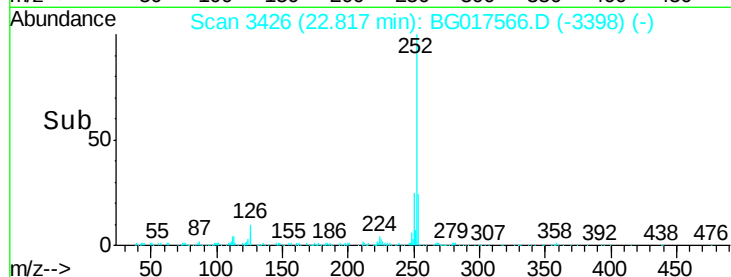
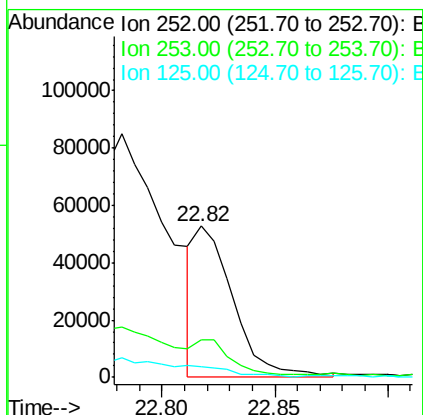
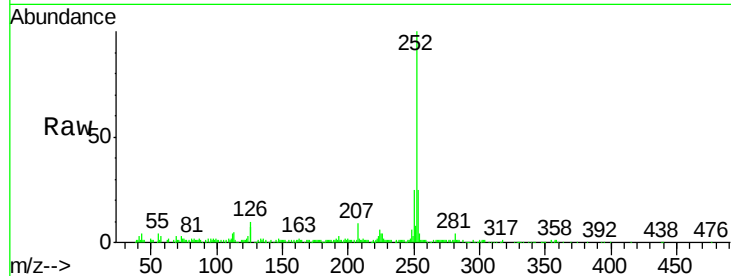
#88
Benzo(k)fluoranthene
Concen: 7.80 ng m
RT: 22.82 min Scan# 3426
Delta R.T. -0.04 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Instrument :
BNA_G
ClientSampleId :
SP-5DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.7	26.5
125	7.2	6.5	9.7

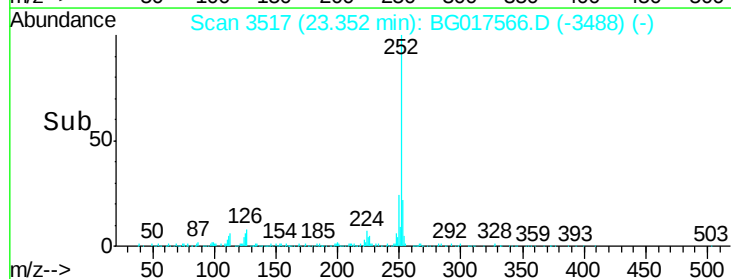
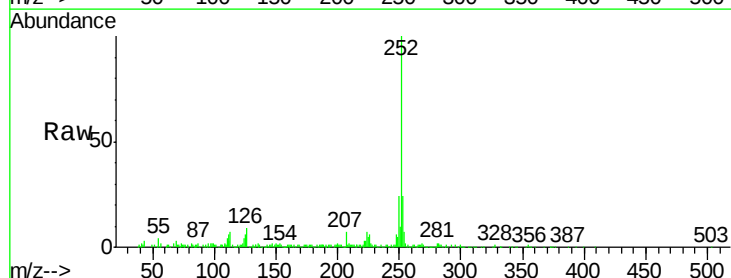
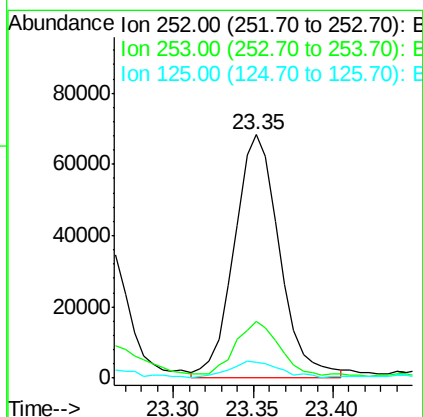
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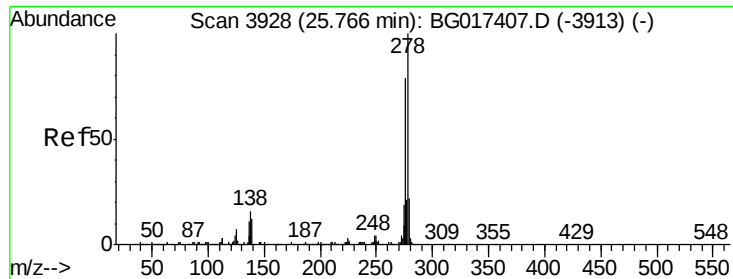
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#89
Benzo(a)pyrene
Concen: 17.74 ng m
RT: 23.35 min Scan# 3517
Delta R.T. -0.03 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	6.3	6.5	9.7#





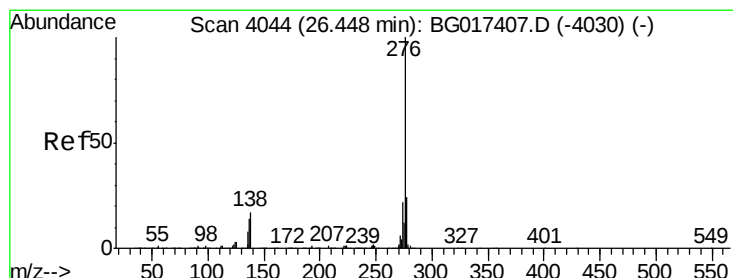
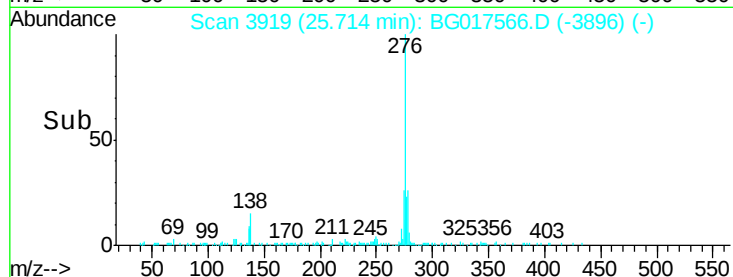
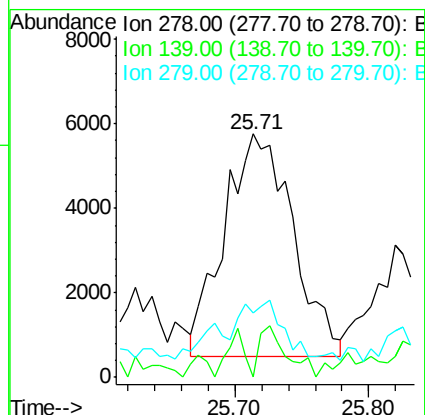
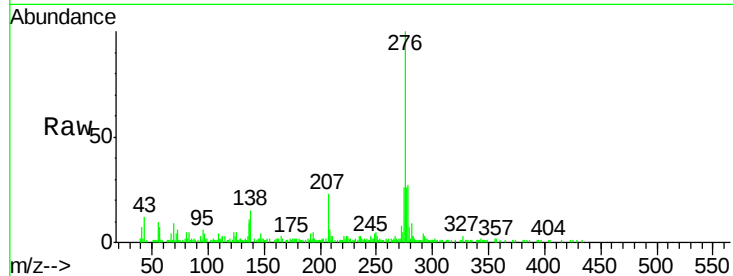
#90
Dibenzo(a,h)anthracene
Concen: 2.37 ng
RT: 25.71 min Scan# 3919
Delta R.T. -0.06 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Instrument :
BNA_G
ClientSampleId :
SP-5DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.4	14.0#
279	26.2	17.8	26.8

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.58 ng
RT: 26.41 min Scan# 4037
Delta R.T. -0.06 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	19.5	19.2	28.8
138	12.6	13.5	20.3#

