

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041816\
 Data File : BG021733.D
 Acq On : 18 Apr 2016 10:27
 Operator : UM/SJ
 Sample : H2558-03DL 2X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-13-7.5-8DL

Manual Integrations
 APPROVED

Sohil
 4/18/2016 7:28:13 PM

Quant Time: Apr 18 12:06:41 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	32841	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	150458	20.00	ng	0.00
38) Acenaphthene-d10	14.83	164	96896	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	187526	20.00	ng	0.00
75) Chrysene-d12	21.83	240	214575	20.00	ng	0.00
86) Perylene-d12	25.16	264	213911	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	142497	72.26	ng	0.00
7) Phenol-d6	7.36	99	212686	72.20	ng	0.00
23) Nitrobenzene-d5	9.38	82	167666	57.28	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	81677	78.21	ng	0.00
44) 2-Fluorobiphenyl	13.46	172	354912	53.67	ng	0.00
78) Terphenyl-d14	20.14	244	444580	51.70	ng	0.00
Target Compounds						
31) Naphthalene	11.09	128	192413	23.90	ng	Qvalue # 85
37) 2-Methylnaphthalene	12.67	142	267773	48.44	ng	94
45) 1,1'-Biphenyl	13.67	154	71193	8.72	ng	95
49) Dimethylphthalate	14.27	163	33597	4.01	ng	# 81
70) Phenanthrene	17.60	178	50412	4.88	ng	# 84
74) Fluoranthene	19.60	202	55915	4.53	ng	97
77) Pyrene	19.95	202	82618	6.68	ng	97
80) Benzo(a)anthracene	21.81	228	28469	2.31	ng	95
82) Chrysene	21.88	228	24294	2.05	ng	96
87) Benzo(b)fluoranthene	24.10	252	34332m	2.77	ng	
89) Benzo(a)pyrene	25.00	252	25627	2.13	ng	99

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

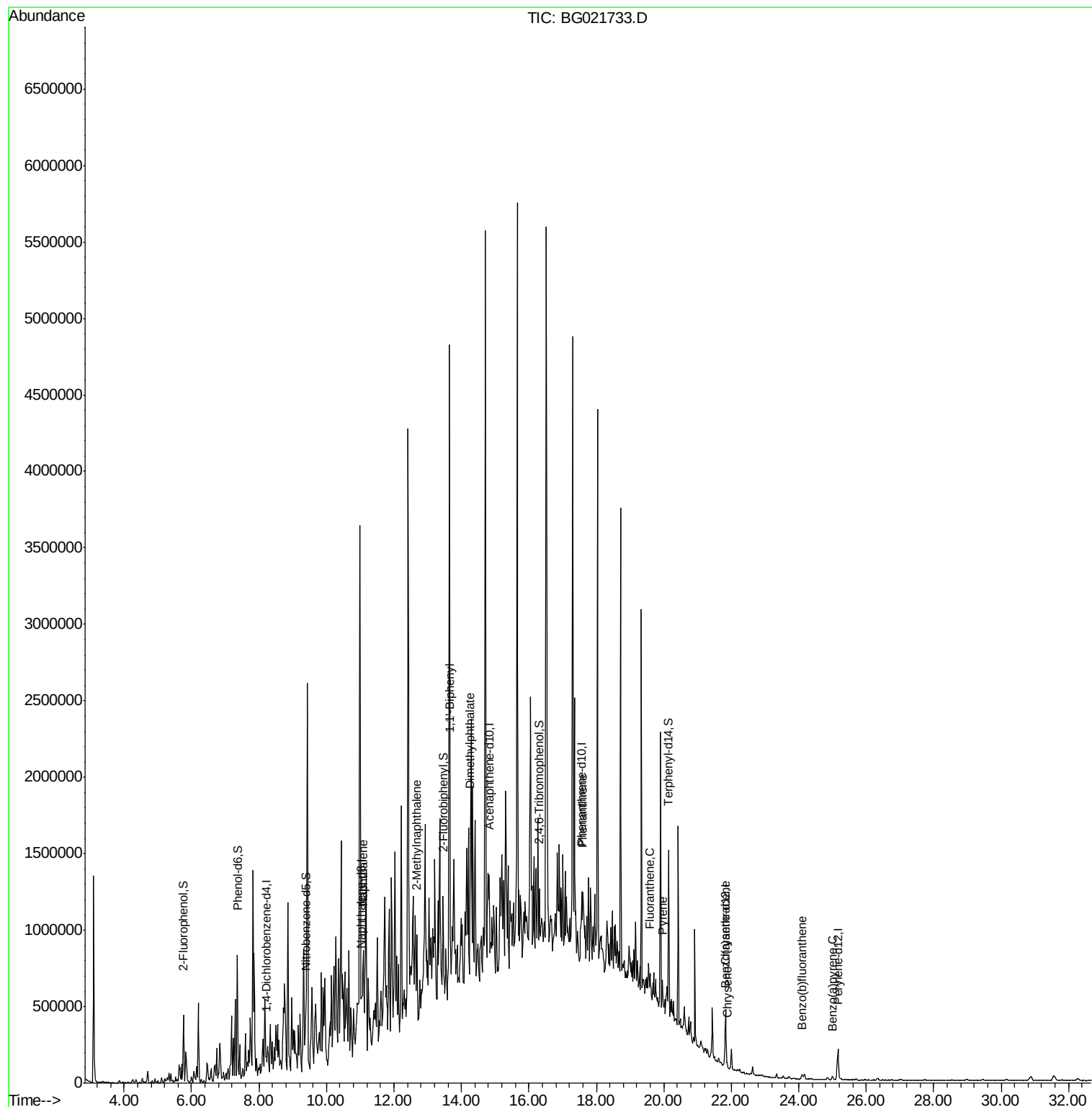
Data Path : Z:\HPCHEM1\BNA G\DATA\BG041816\
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ALS Vial : 39 Sample Multiplier: 1

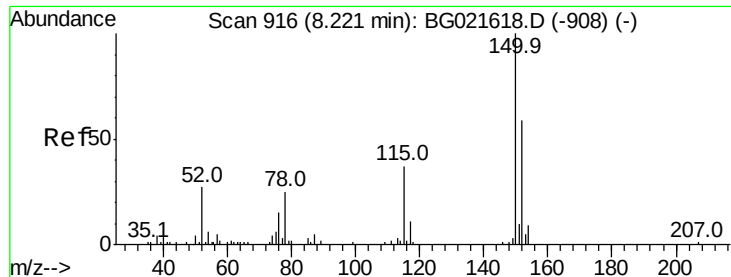
Instrument :
BNA_G
ClientSampleId :
SB-13-7.5-8DL

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Instrument :

BNA_G

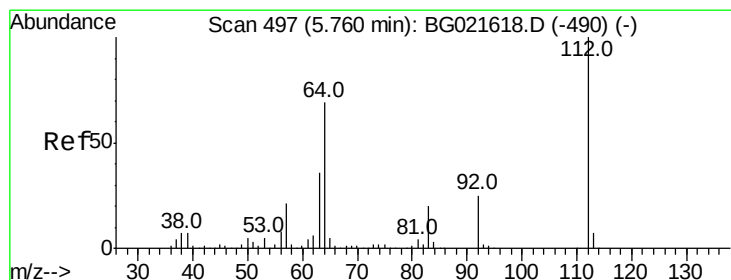
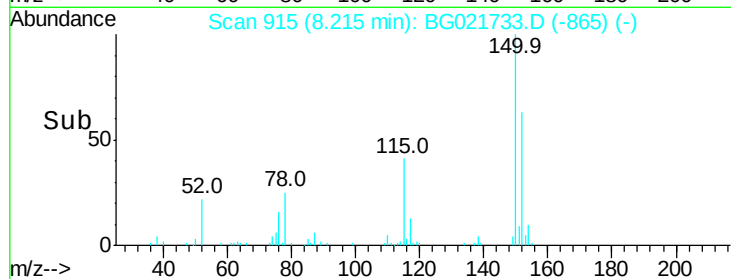
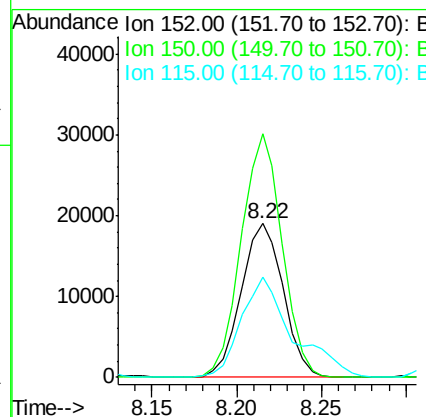
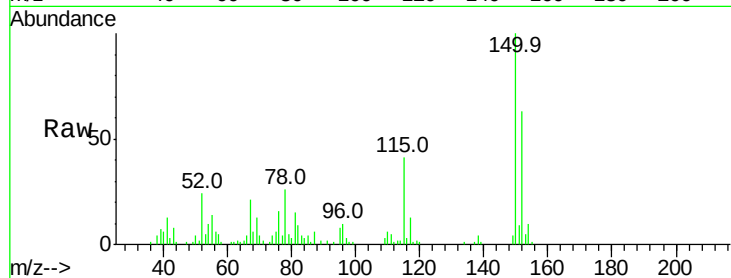
ClientSampleId :

SB-13-7.5-8DL

Tot Ion:	152	Resp:	32841
Ion Ratio	Lower	Upper	
152	100		
150	158.7	130.1	195.1
115	65.6	62.2	93.2

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#5

2-Fluorophenol

Concen: 72.26 ng

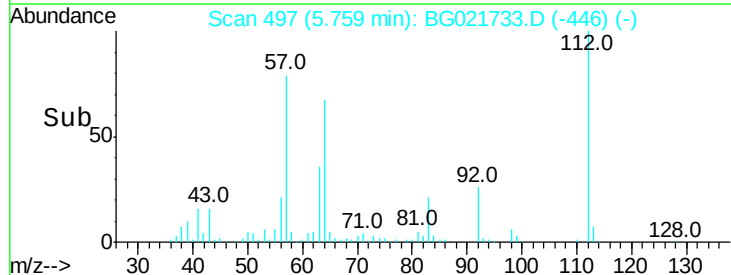
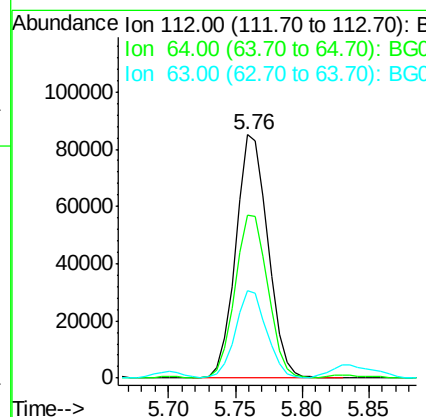
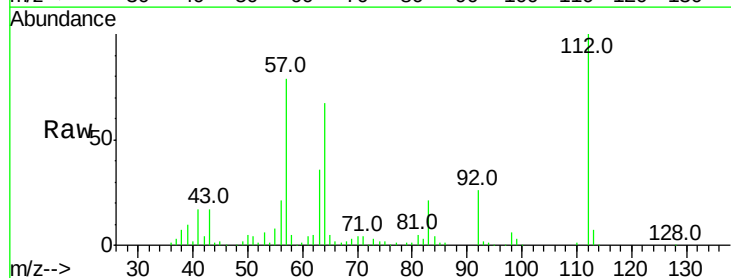
RT: 5.76 min Scan# 497

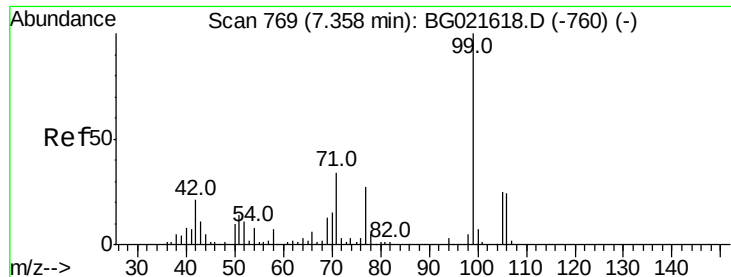
Delta R.T. 0.00 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Tgt Ion:	112	Resp:	142497
Ion Ratio	Lower	Upper	
112	100		
64	67.0	51.1	76.7
63	35.9	24.6	37.0





#7

Phenol-d6

Concen: 72.20 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.01 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Instrument :

BNA_G

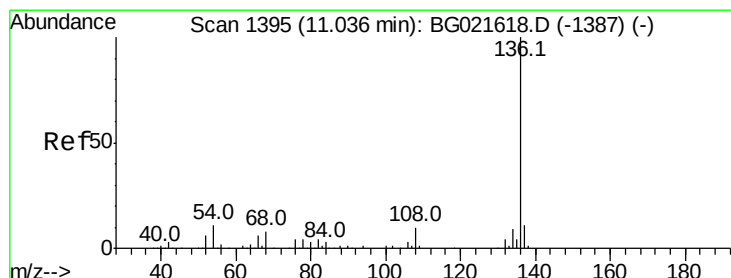
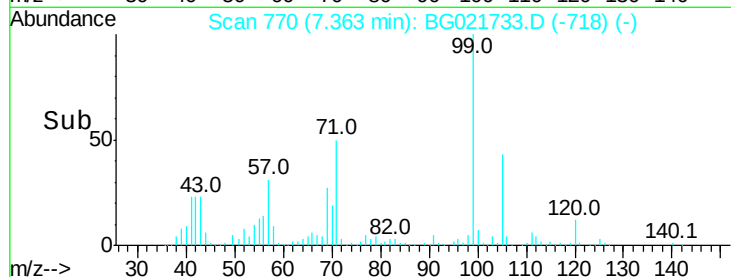
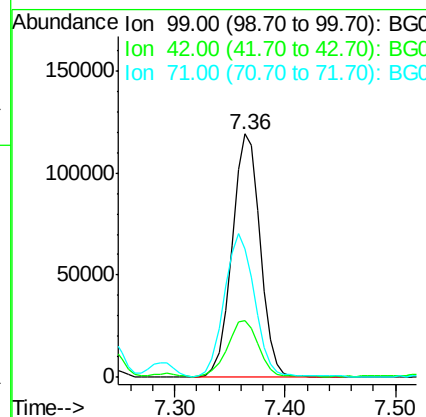
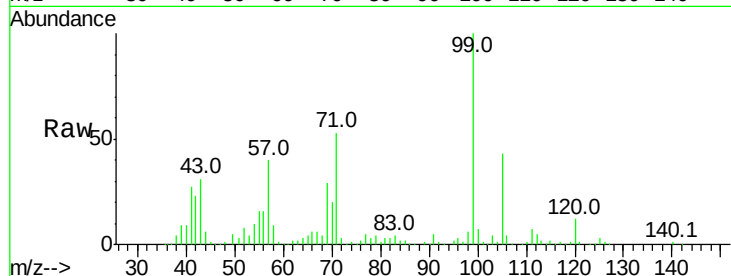
ClientSampleId :

SB-13-7.5-8DL

Tot Ion	Ratio	Resp	Lower	Upper
99	100	212686		
42	23.3	16.4	24.6	
71	52.7	25.0	37.4	

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#21

Naphthalene-d8

Concen: 20.00 ng

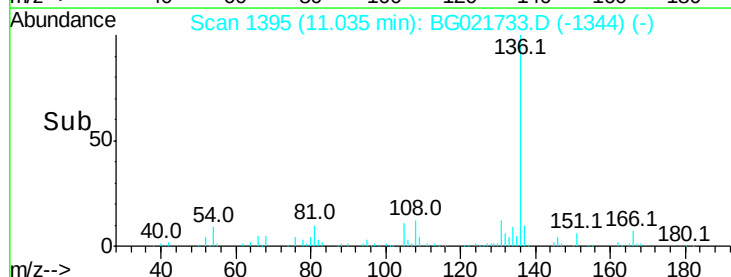
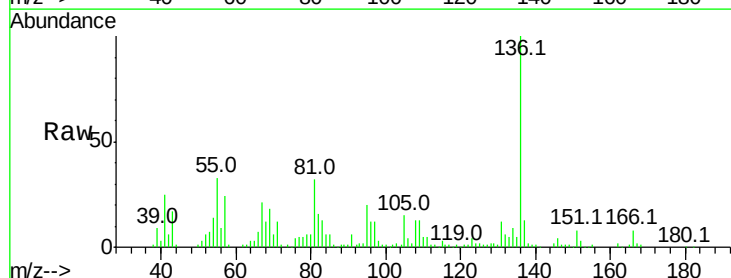
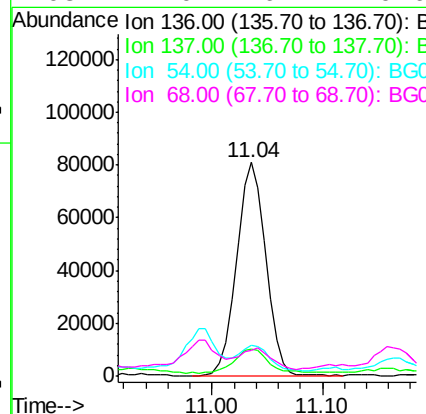
RT: 11.04 min Scan# 1395

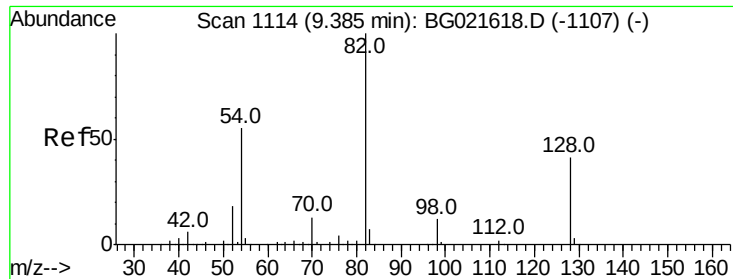
Delta R.T. -0.00 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	150458		
137	12.8	9.0	13.4	
54	14.4	9.6	14.4	
68	12.0	6.4	9.6	





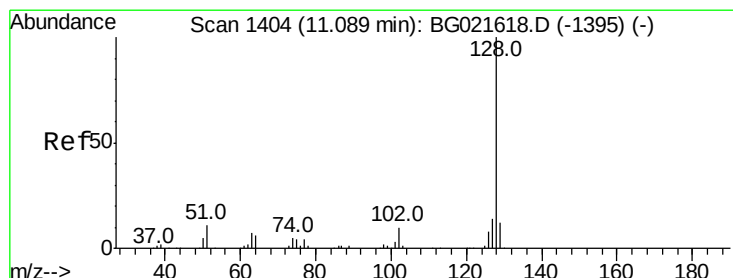
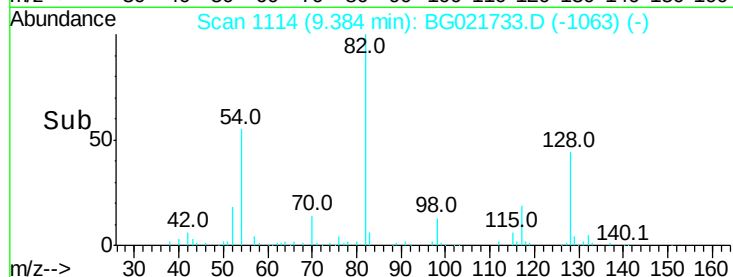
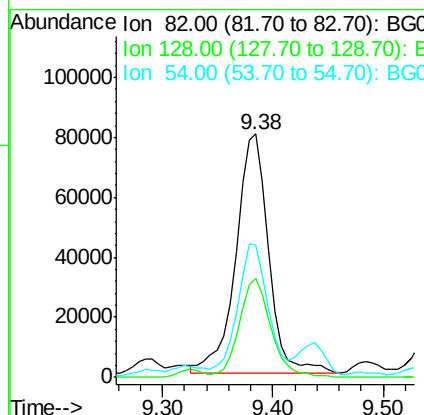
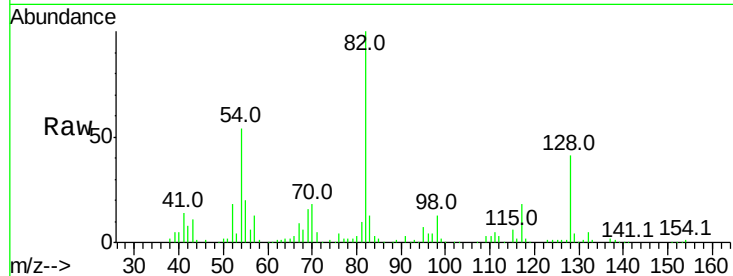
#23
Nitrobenzene-d5
Concen: 57.28 ng
RT: 9.38 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BG021733.D
Acq: 18 Apr 2016 10:27

Instrument :
BNA_G
ClientSampled :
SB-13-7.5-8DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	167666		
128	40.7	33.4	50.0	
54	54.2	46.1	69.1	

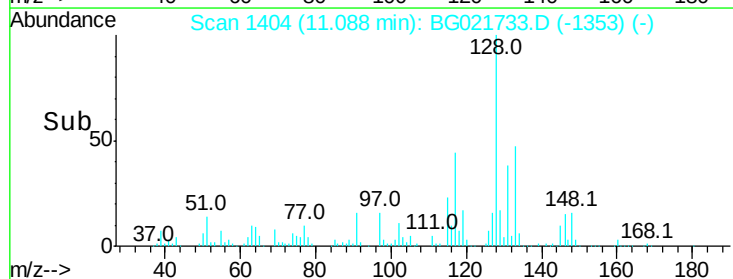
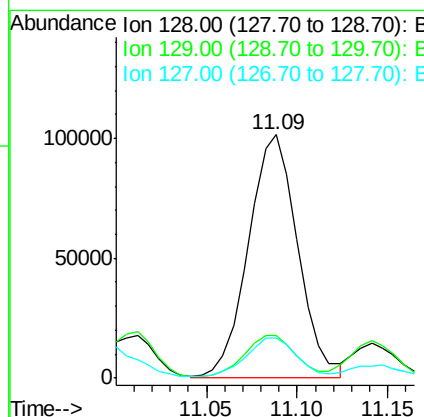
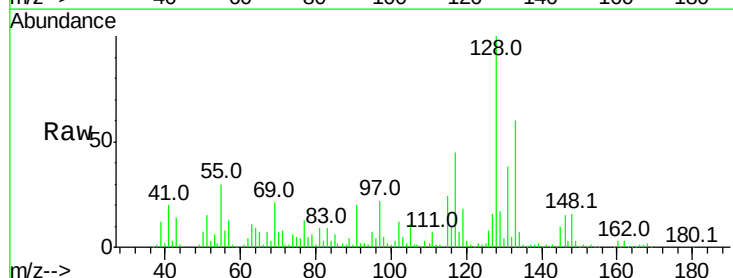
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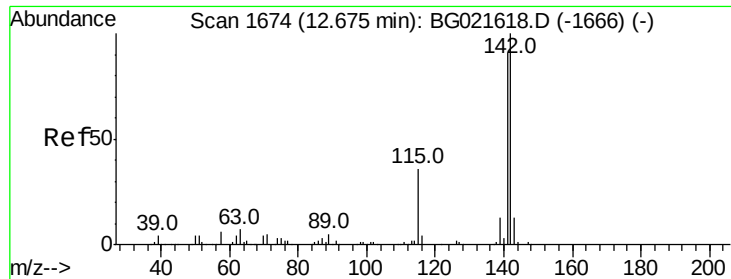
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#31
Naphthalene
Concen: 23.90 ng
RT: 11.09 min Scan# 1404
Delta R.T. -0.00 min
Lab File: BG021733.D
Acq: 18 Apr 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	192413		
129	17.3	7.0	10.6#	
127	16.4	10.1	15.1#	





#37

2-Methylnaphthalene

Concen: 48.44 ng

RT: 12.67 min Scan# 1674

Delta R.T. -0.00 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Instrument :

BNA_G

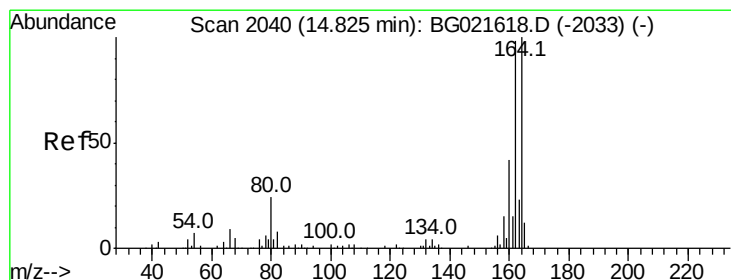
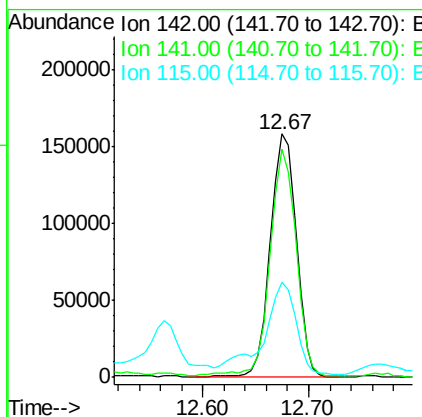
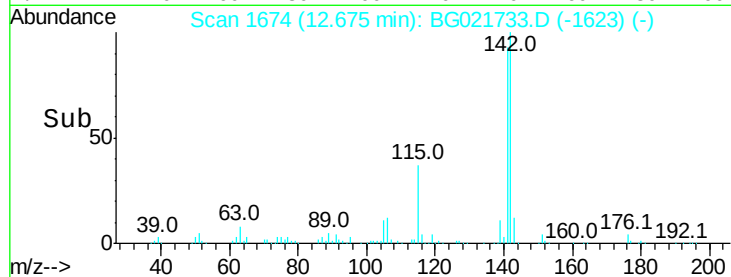
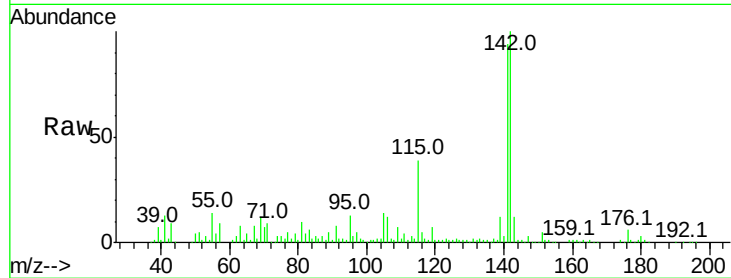
ClientSampleId :

SB-13-7.5-8DL

Tot Ion:	142	Resp:	267773
Ion Ratio	Lower	Upper	
142	100		
141	93.7	71.4	107.0
115	39.3	27.4	41.2

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#38

Acenaphthene-d10

Concen: 20.00 ng

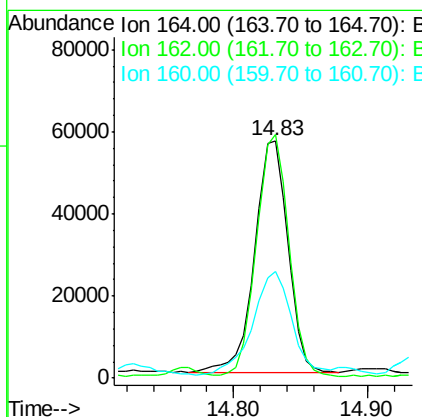
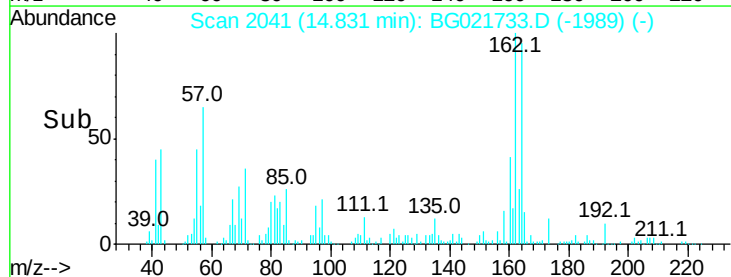
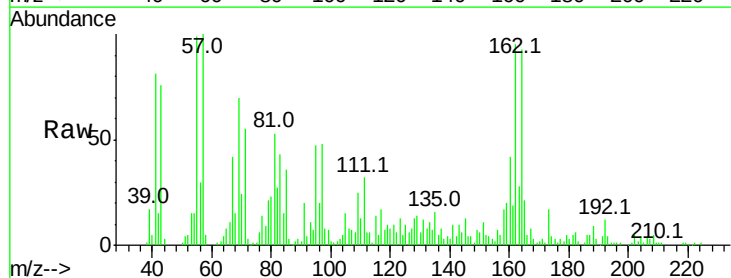
RT: 14.83 min Scan# 2041

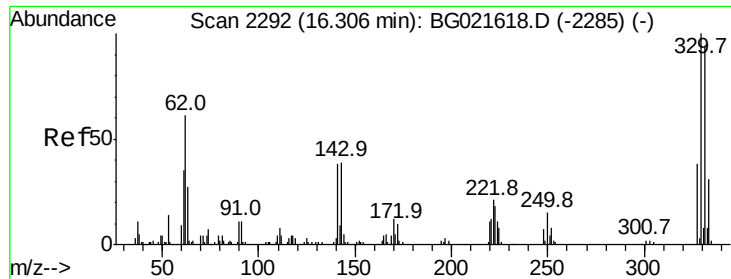
Delta R.T. 0.01 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Tgt Ion:	164	Resp:	96896
Ion Ratio	Lower	Upper	
164	100		
162	102.4	78.0	117.0
160	44.9	32.9	49.3





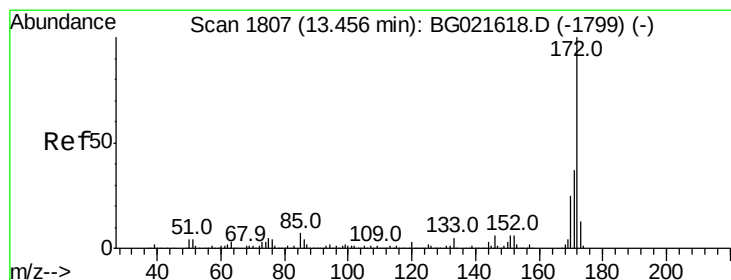
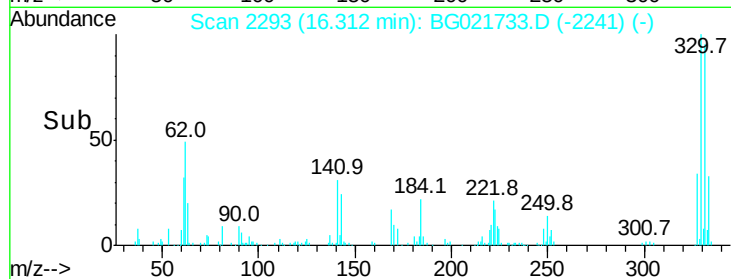
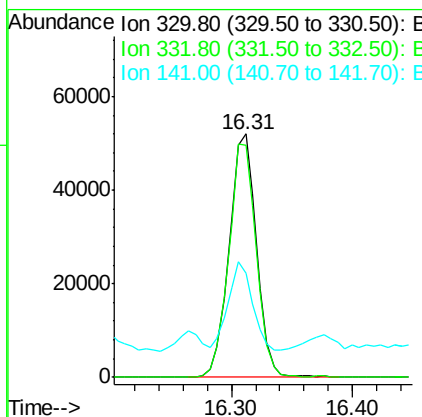
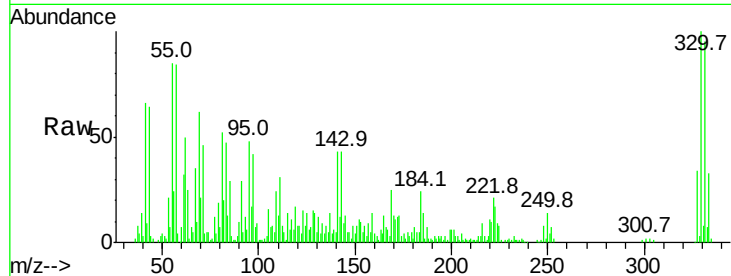
#41
 2,4,6-Tribromophenol
 Concen: 78.21 ng
 RT: 16.31 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: BG021733.D
 Acq: 18 Apr 2016 10:27

Instrument :
 BNA_G
 ClientSampleId :
 SB-13-7.5-8DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.0	117.0
141	31.7	33.8	50.8#

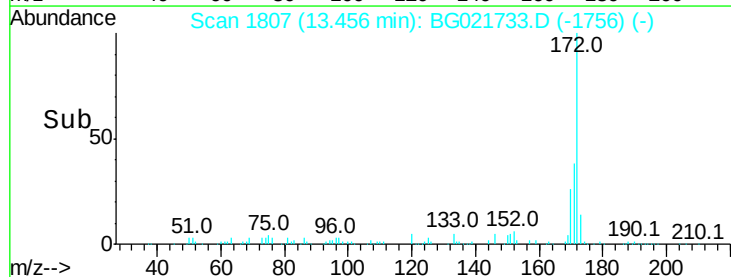
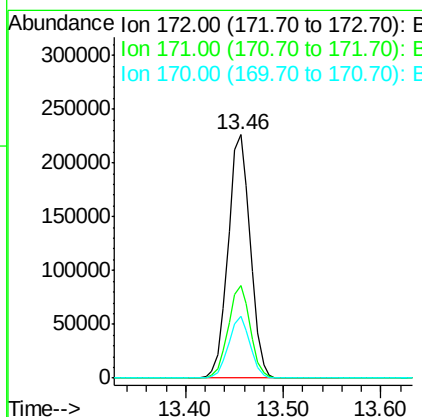
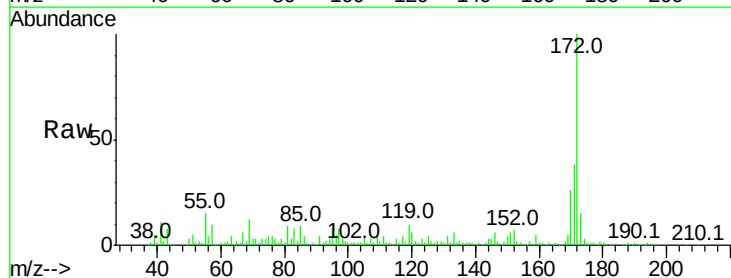
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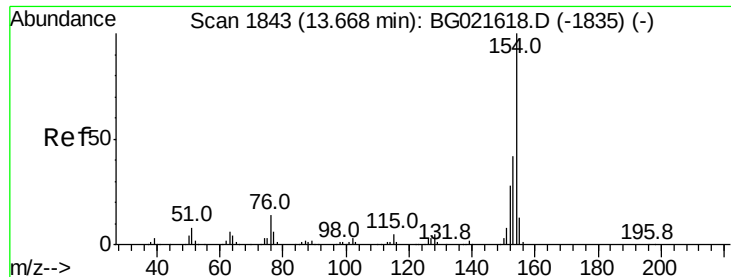
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#44
 2-Fluorobiphenyl
 Concen: 53.67 ng
 RT: 13.46 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BG021733.D
 Acq: 18 Apr 2016 10:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	27.8	41.6
170	25.6	19.6	29.4





#45

1,1'-Biphenyl

Concen: 8.72 ng

RT: 13.67 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Instrument :

BNA_G

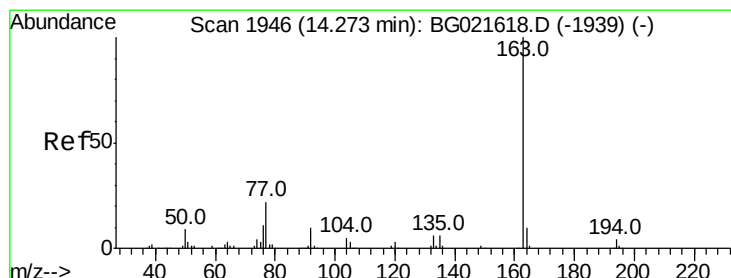
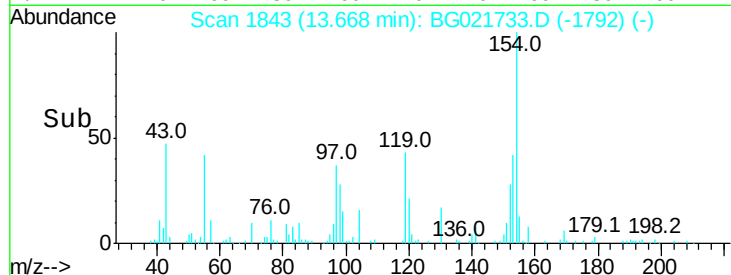
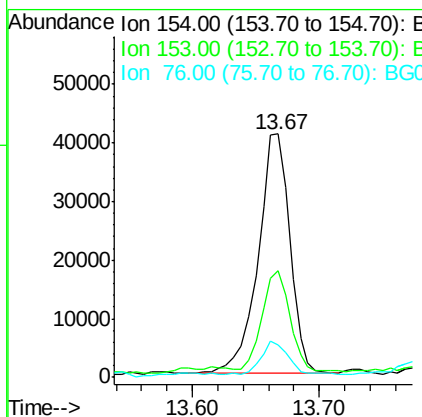
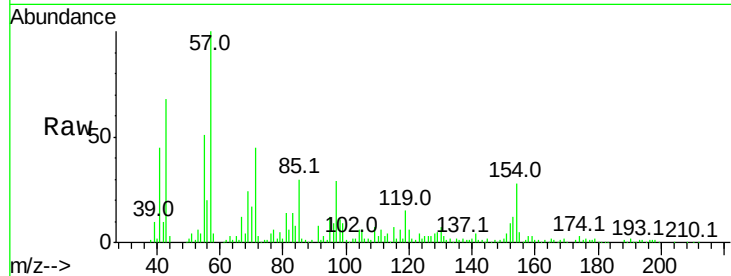
ClientSampleId :

SB-13-7.5-8DL

Tot Ion:	154	Resp:	71193
Ion Ratio	Lower	Upper	
154	100		
153	43.6	19.7	59.7
76	13.2	0.0	33.0

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#49

Dimethylphthalate

Concen: 4.01 ng

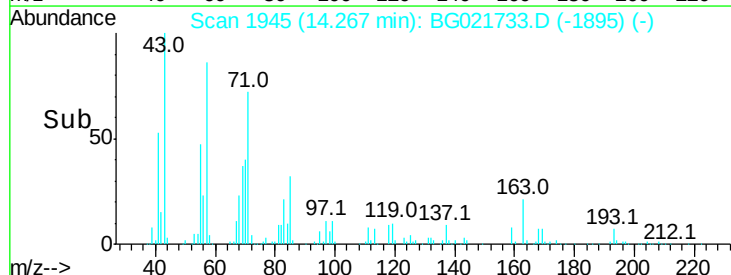
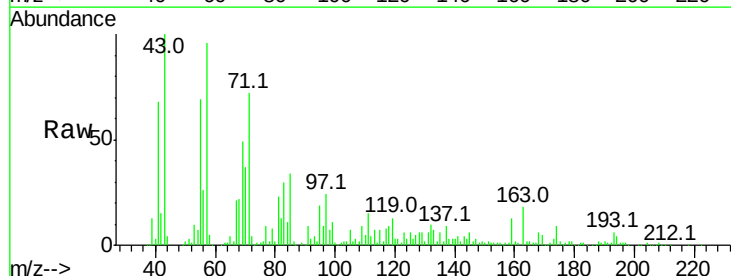
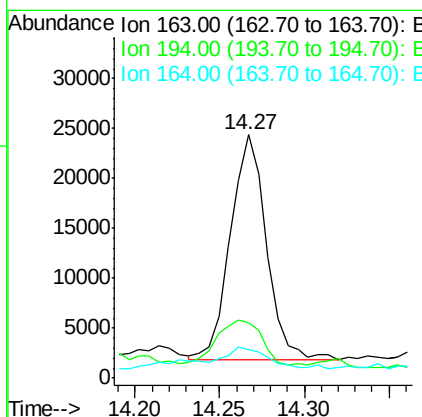
RT: 14.27 min Scan# 1945

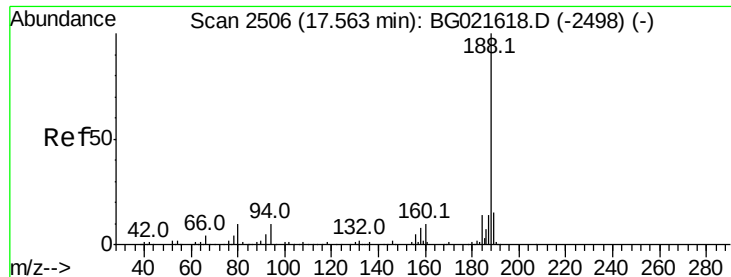
Delta R.T. -0.01 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Tgt Ion:	163	Resp:	33597
Ion Ratio	Lower	Upper	
163	100		
194	22.6	3.0	4.6#
164	11.8	8.1	12.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Instrument :

BNA_G

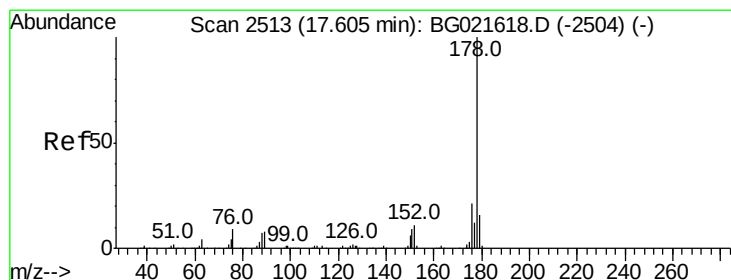
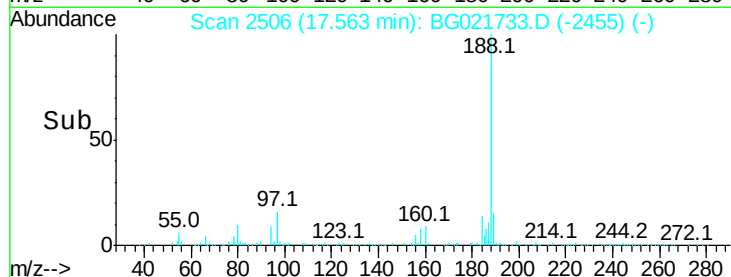
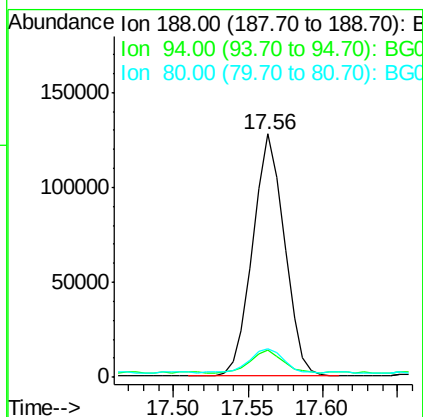
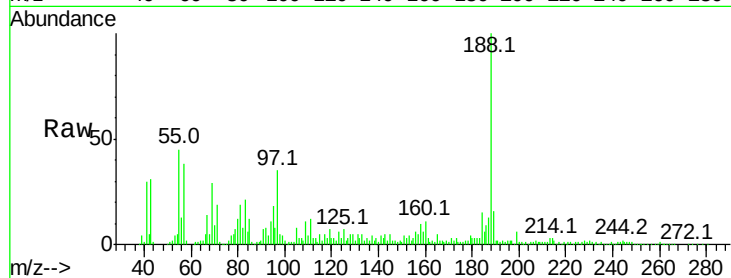
ClientSampleId :

SB-13-7.5-8DL

Tot Ion:	188	Resp:	187526
Ion Ratio	Lower	Upper	
188	100		
94	11.2	7.5	11.3
80	11.9	8.6	13.0

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#70

Phenanthrene

Concen: 4.88 ng

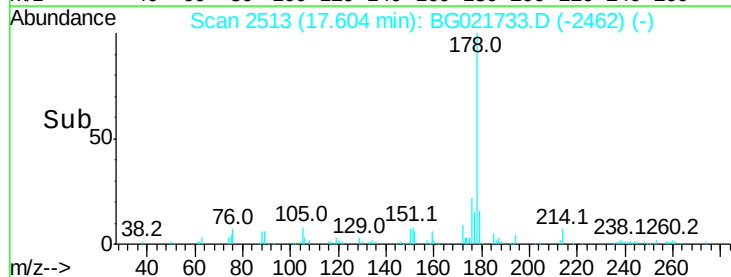
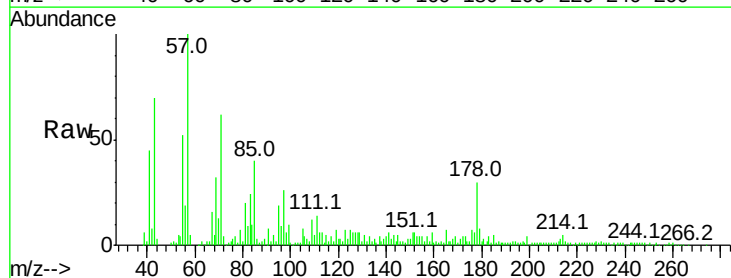
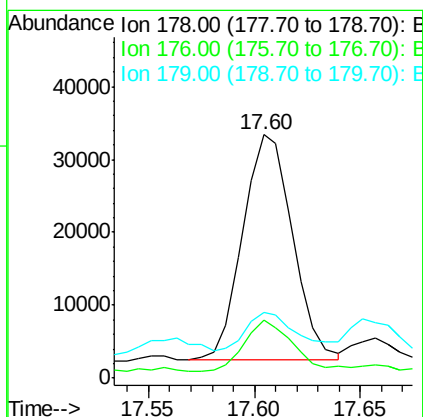
RT: 17.60 min Scan# 2513

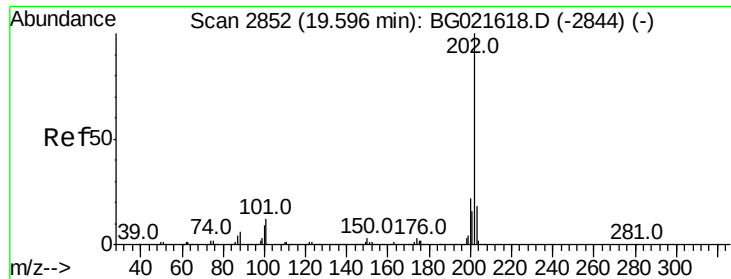
Delta R.T. -0.00 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Tgt Ion:	178	Resp:	50412
Ion Ratio	Lower	Upper	
178	100		
176	23.9	16.2	24.4
179	26.8	12.0	18.0#





#74

Fluoranthene

Concen: 4.53 ng

RT: 19.60 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Instrument :

BNA_G

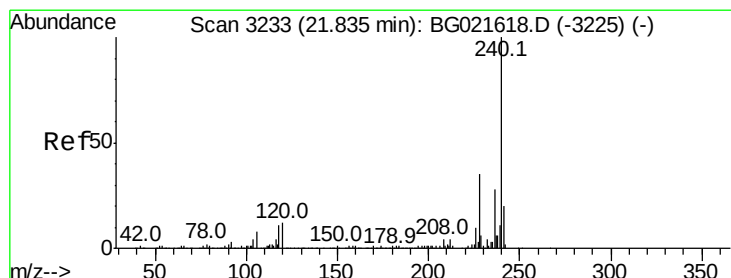
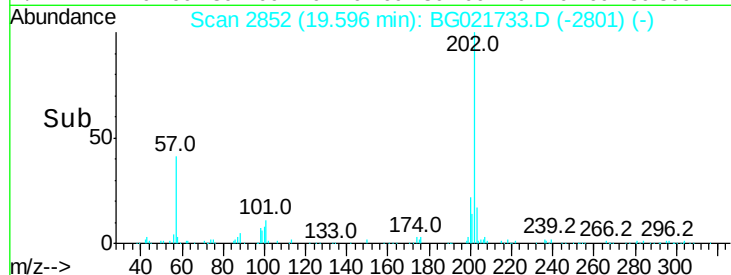
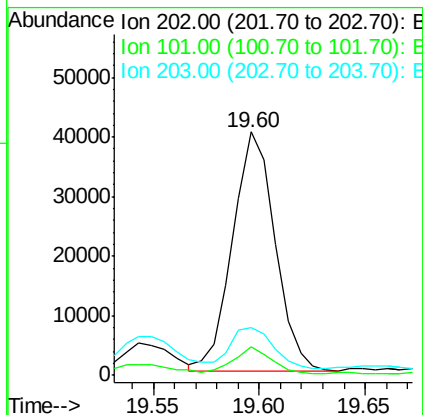
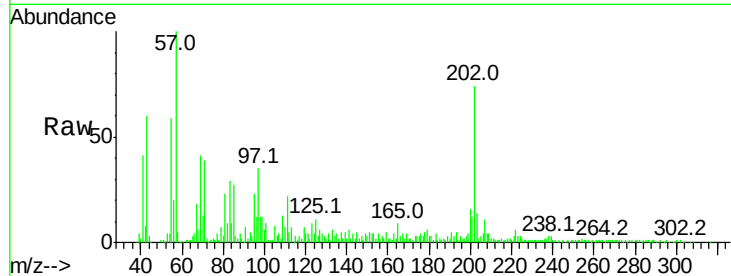
ClientSampleId :

SB-13-7.5-8DL

Tot Ion:	202	Resp:	55915
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	31.0
203	19.6	0.0	37.9

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#75

Chrysene-d12

Concen: 20.00 ng

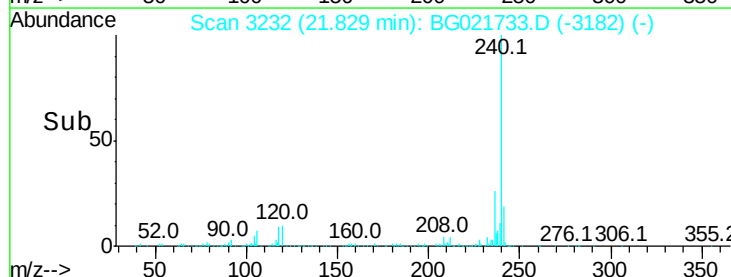
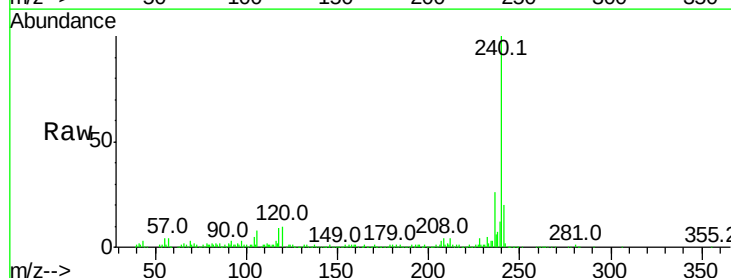
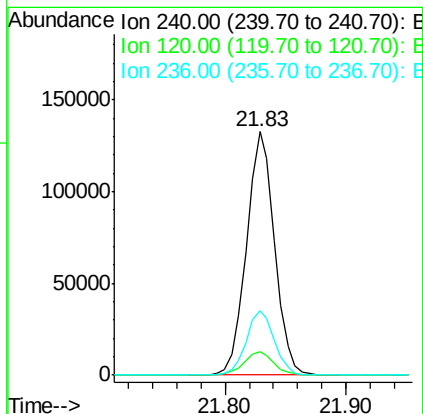
RT: 21.83 min Scan# 3232

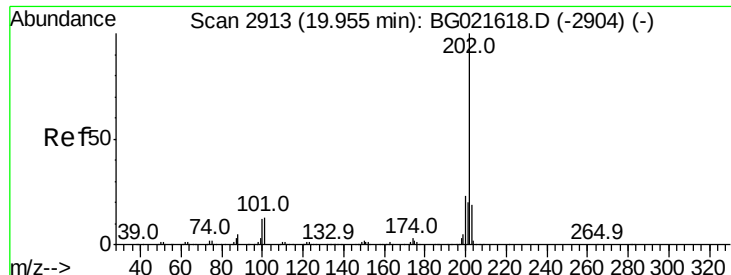
Delta R.T. -0.01 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Tgt Ion:	240	Resp:	214575
Ion Ratio	Lower	Upper	
240	100		
120	9.8	8.4	12.6
236	26.5	19.6	29.4





#77

Pvrene

Concen: 6.68 ng

RT: 19.95 min Scan# 2913

Delta R.T. -0.00 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Instrument :

BNA_G

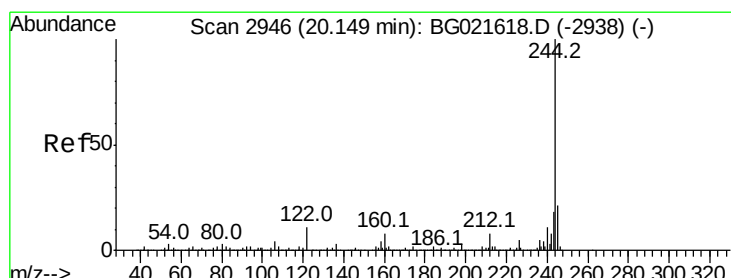
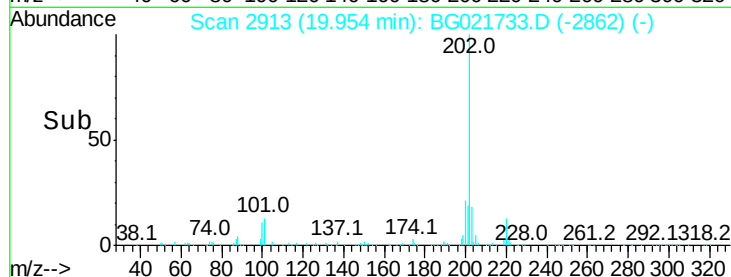
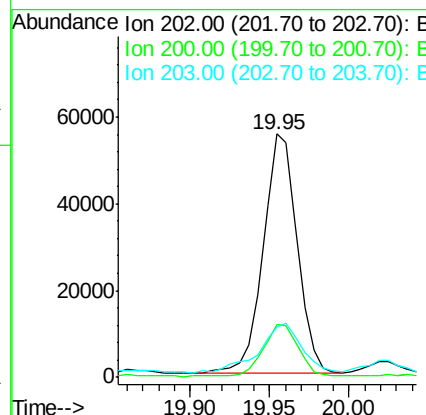
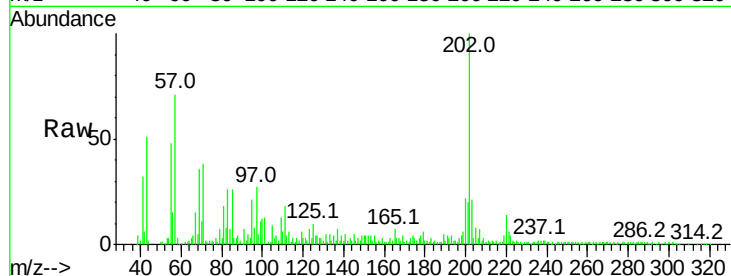
ClientSampleId :

SB-13-7.5-8DL

Tot Ion:	202	Resp:	82618
Ion Ratio	Lower	Upper	
202	100		
200	21.8	18.2	27.2
203	20.6	15.0	22.4

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#78

Terphenyl-d14

Concen: 51.70 ng

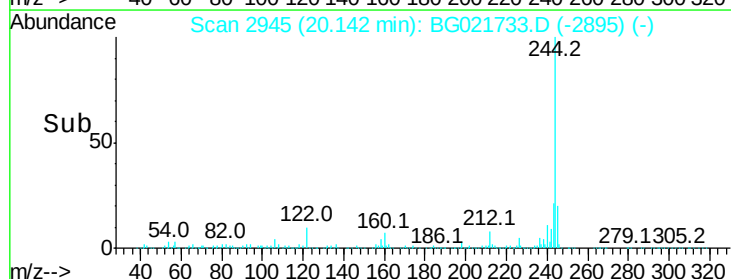
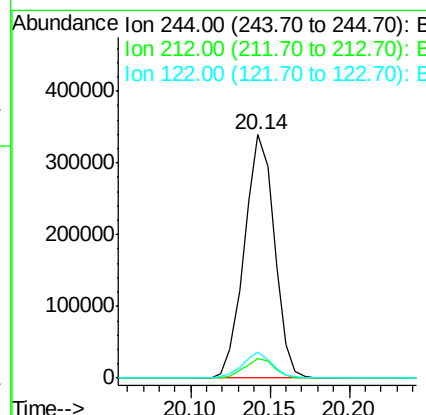
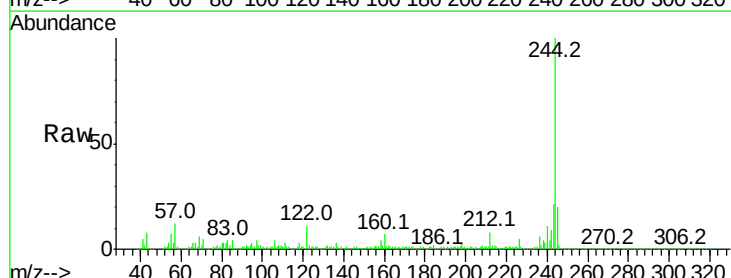
RT: 20.14 min Scan# 2945

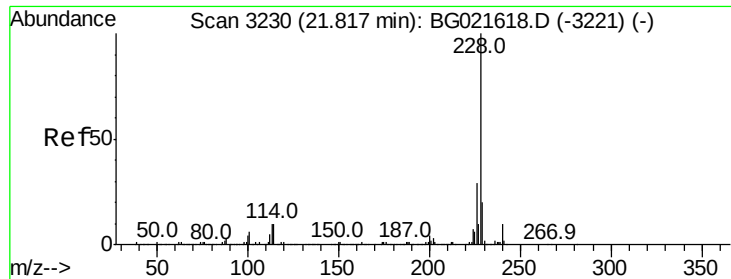
Delta R.T. -0.01 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Tgt Ion:	244	Resp:	444580
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.5	9.7
122	10.6	8.6	12.8





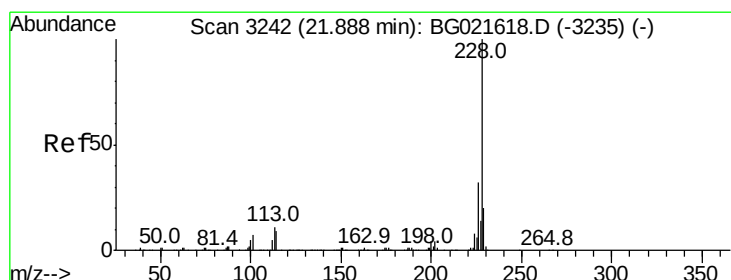
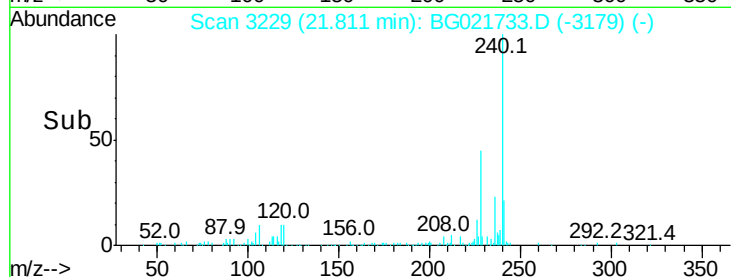
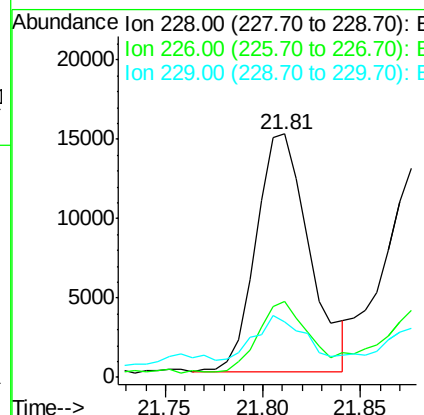
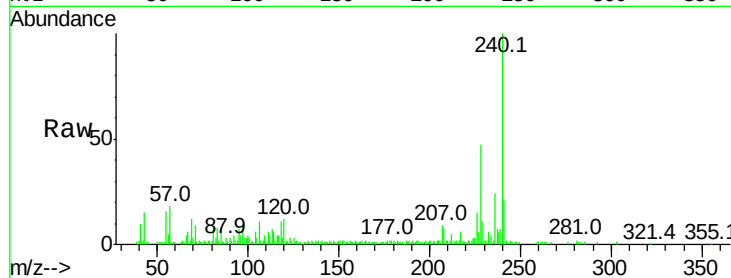
#80
Benzo(a)anthracene
Concen: 2.31 ng
RT: 21.81 min Scan# 3229
Delta R.T. -0.01 min
Lab File: BG021733.D
Acq: 18 Apr 2016 10:27

Instrument :
BNA_G
ClientSampleId :
SB-13-7.5-8DL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	28469		
226	31.1	22.6	34.0	
229	22.5	16.1	24.1	

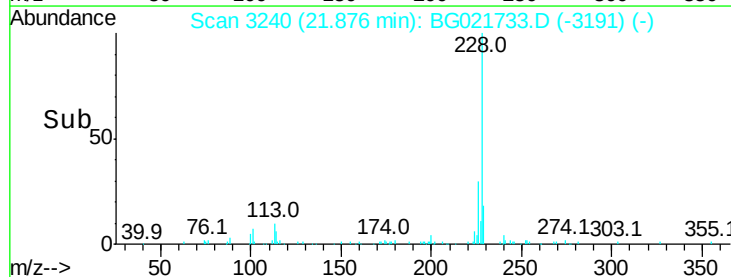
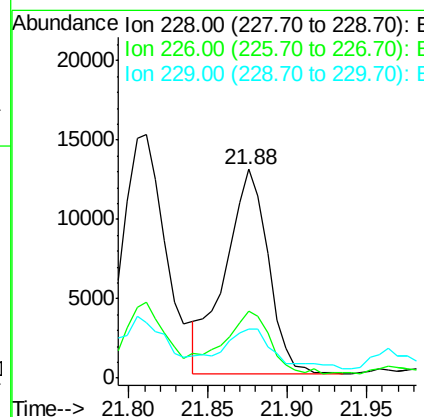
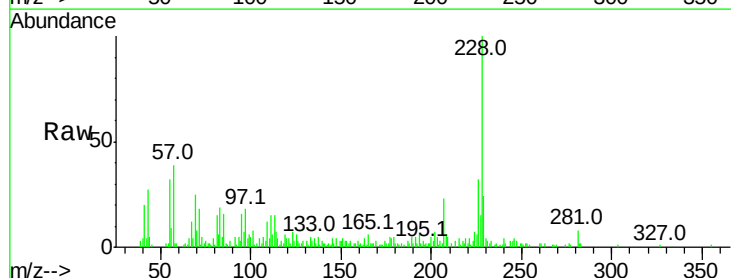
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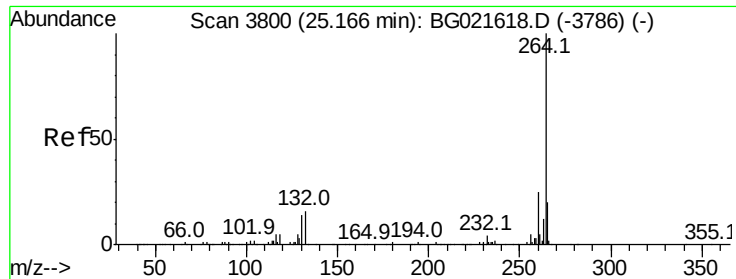
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#82
Chrysene
Concen: 2.05 ng
RT: 21.88 min Scan# 3240
Delta R.T. -0.01 min
Lab File: BG021733.D
Acq: 18 Apr 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	24294		
226	32.1	25.4	38.0	
229	23.7	15.9	23.9	





#86

Pervlene-d12

Concen: 20.00 ng

RT: 25.16 min Scan# 3799

Delta R.T. -0.01 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Instrument :

BNA_G

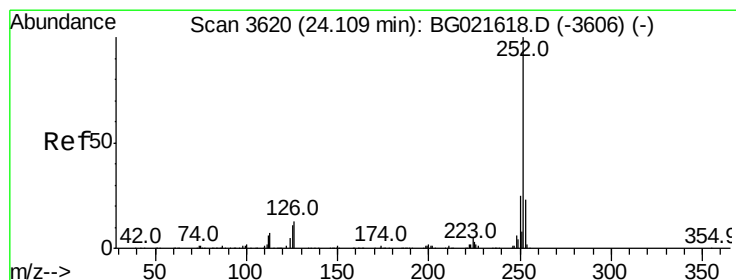
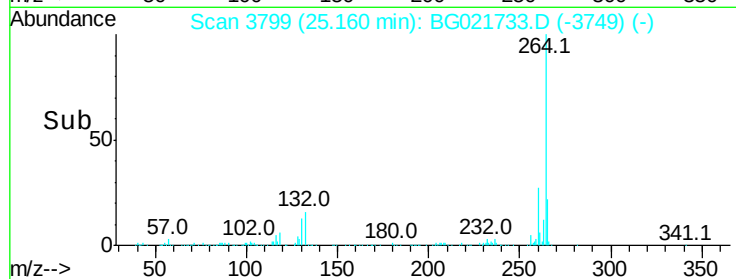
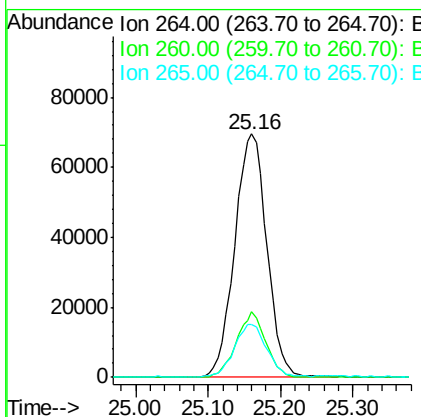
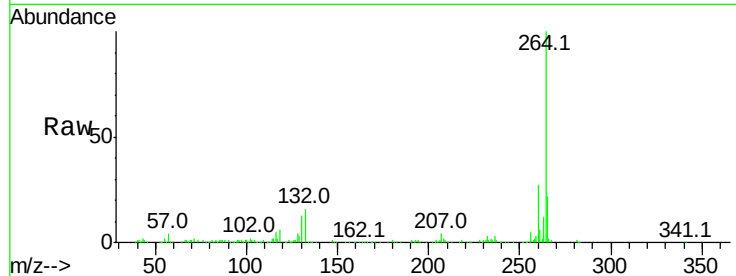
ClientSampleId :

SB-13-7.5-8DL

Tot Ion	Ratio	Resp	Lower	Upper
264	100	213911		
260	26.9	20.2	30.4	
265	21.7	17.8	26.8	

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#87

Benzo(b)fluoranthene

Concen: 2.77 ng m

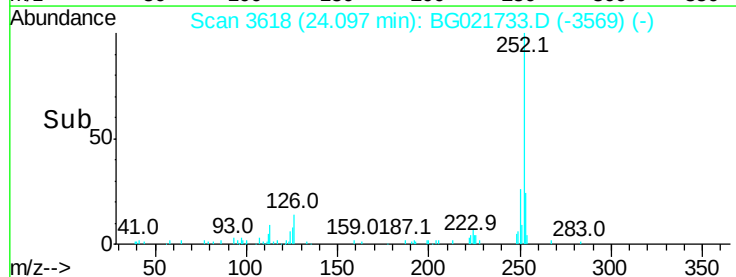
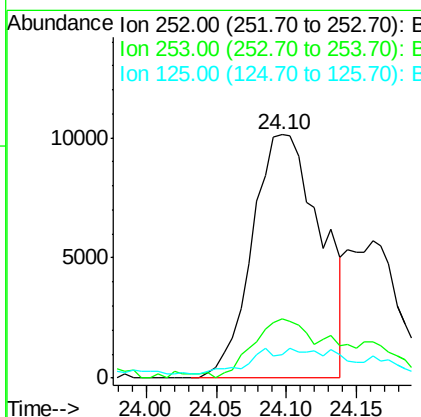
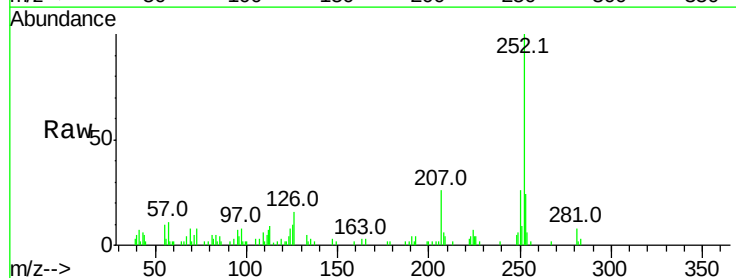
RT: 24.10 min Scan# 3618

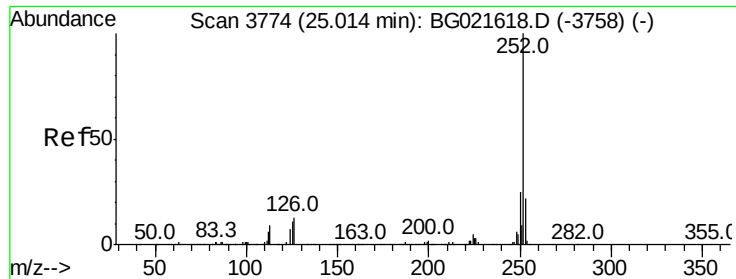
Delta R.T. -0.01 min

Lab File: BG021733.D

Acq: 18 Apr 2016 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	34332		
253	24.3	17.5	26.3	
125	9.8	8.6	13.0	





#89

Benzo(a)pyrene

Concen: 2.13 ng

RT: 25.00 min Scan# 3771

Delta R.T. -0.02 min

Lab File: BG021733.D

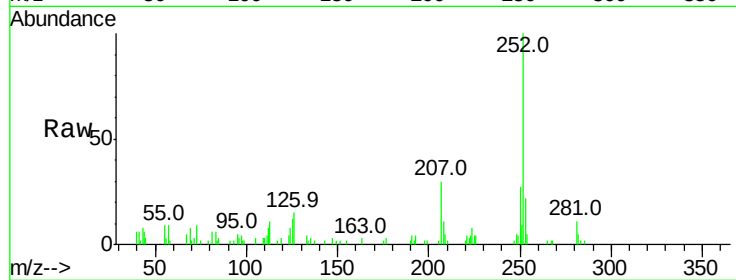
Acq: 18 Apr 2016 10:27

Instrument :

BNA_G

ClientSampleId :

SB-13-7.5-8DL



Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	11.7	9.6	14.4

Manual Integrations
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