

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
 Data File : BG020083.D
 Acq On : 10 Dec 2015 19:54
 Operator : UM/SJ
 Sample : G4683-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S20-15

Manual Integrations
 APPROVED

MMdadoda
 12/11/2015 6:02:30 PM

Quant Time: Dec 11 06:01:56 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 18:50:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	21239	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	90194	20.00	ng	-0.02
38) Acenaphthene-d10	14.74	164	60432	20.00	ng	-0.02
63) Phenanthrene-d10	17.48	188	146331	20.00	ng	-0.03
75) Chrysene-d12	21.75	240	177027	20.00	ng	-0.04
86) Perylene-d12	25.03	264	168313	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	182476	155.28	ng	-0.01
7) Phenol-d6	7.26	99	273767	154.30	ng	-0.01
23) Nitrobenzene-d5	9.28	82	183591	103.88	ng	-0.02
41) 2,4,6-Tribromophenol	16.22	330	135786	146.85	ng	-0.02
44) 2-Fluorobiphenyl	13.37	172	334846	75.66	ng	-0.02
78) Terphenyl-d14	20.08	244	587501	80.95	ng	-0.03
Target Compounds						Qvalue
10) Phenol	7.29	94	4804	2.57	ng	# 69
49) Dimethylphthalate	14.18	163	134701	24.78	ng	97
70) Phenanthrene	17.52	178	58982	7.12	ng	95
74) Fluoranthene	19.52	202	93757	8.85	ng	92
77) Pyrene	19.89	202	82956	7.97	ng	95
80) Benzo(a)anthracene	21.73	228	58138	5.37	ng	99
82) Chrysene	21.80	228	49719	4.83	ng	97
85) Indeno(1,2,3-cd)pyrene	28.77	276	24661	2.18	ng	# 100
87) Benzo(b)fluoranthene	23.99	252	57094	5.35	ng	# 95
88) Benzo(k)fluoranthene	24.05	252	22682m	2.15	ng	
89) Benzo(a)pyrene	24.87	252	44459	4.39	ng	# 97
91) Benzo(a,h,i)perylene	29.93	276	21449	2.18	ng	95

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

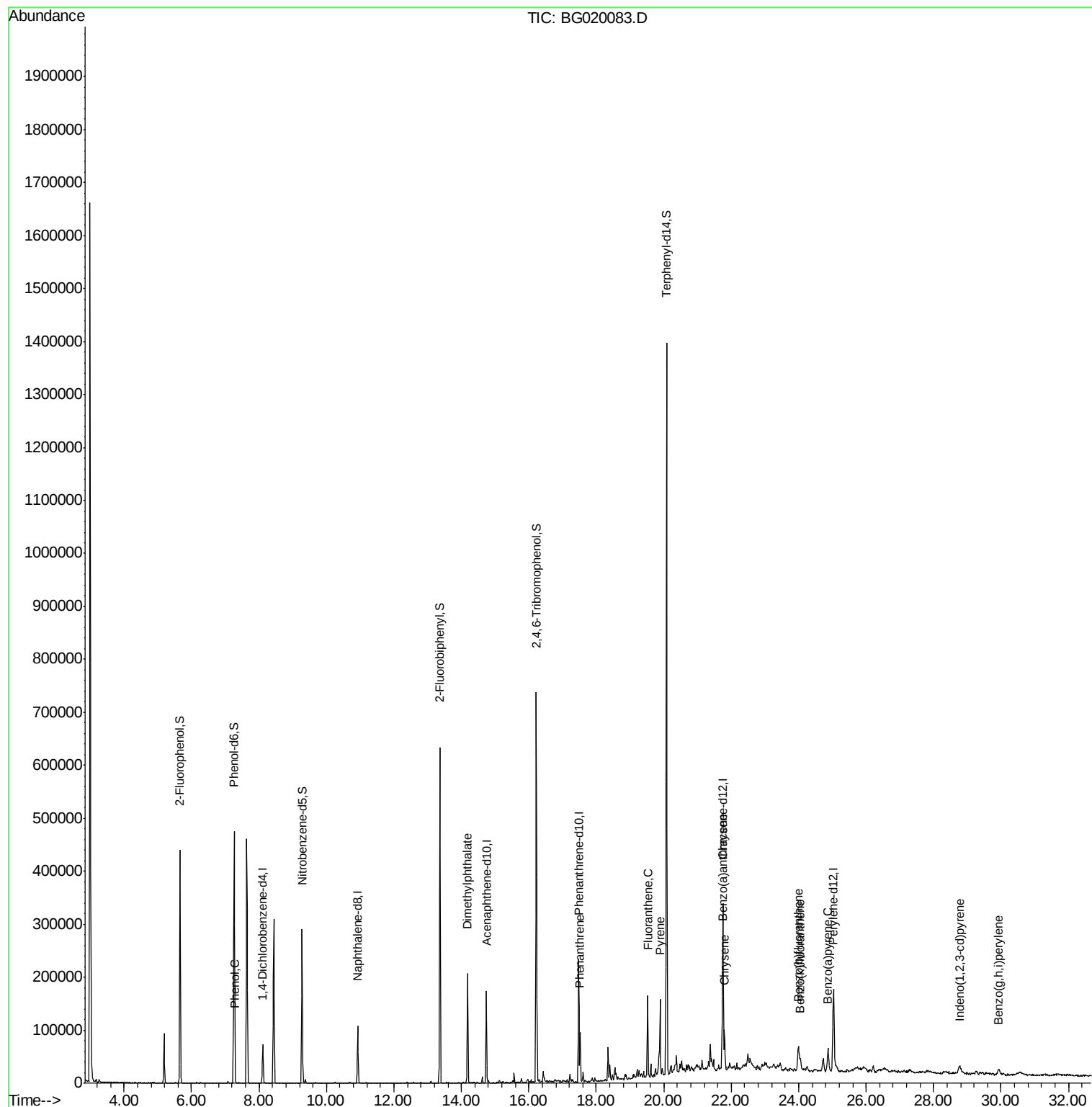
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020083.D
Acq On : 10 Dec 2015 19:54
Operator : UM/SJ
Sample : G4683-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

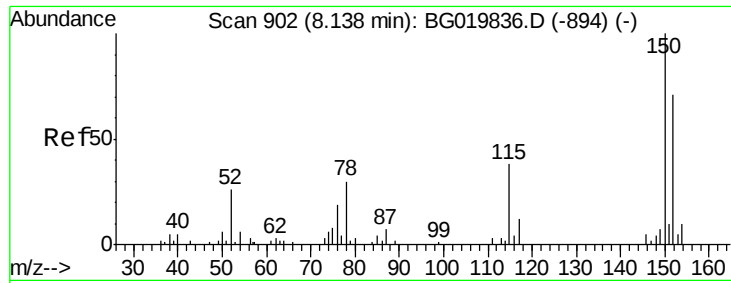
Instrument :
BNA_G
ClientSampleId :
S20-15

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Quant Time: Dec 11 06:01:56 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

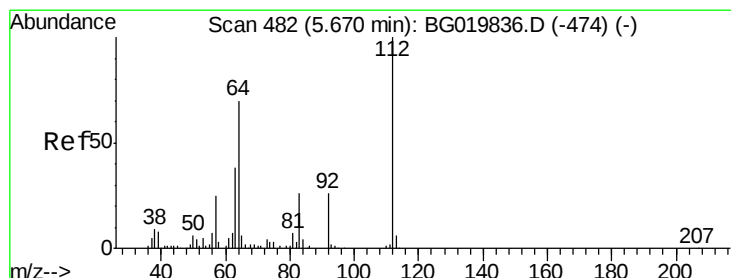
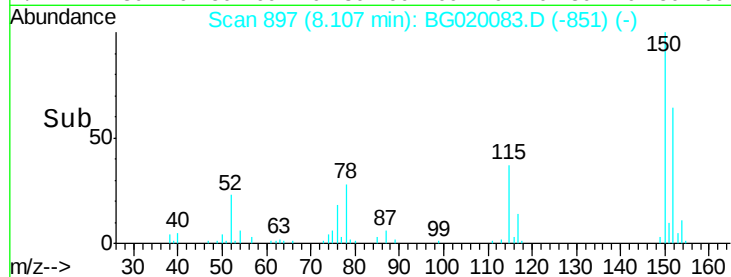
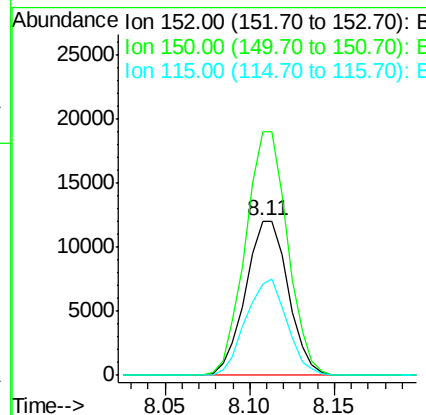
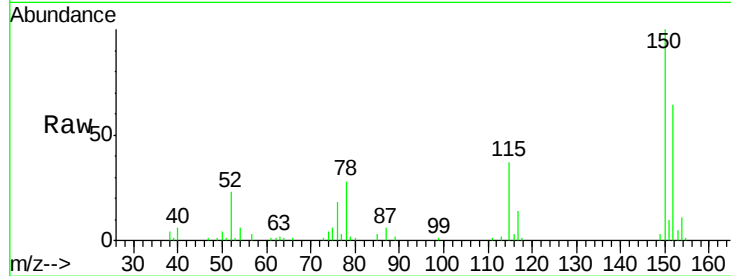
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 897
Delta R.T. -0.03 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Instrument :
BNA_G
ClientSampled :
S20-15

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	115.0	172.4
115	59.0	43.9	65.9

Manual Integrations
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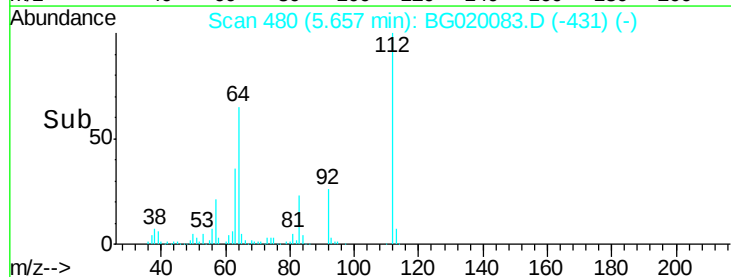
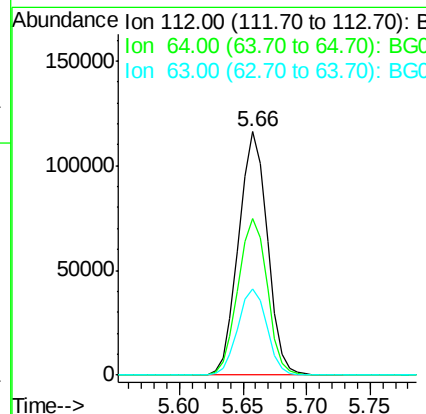
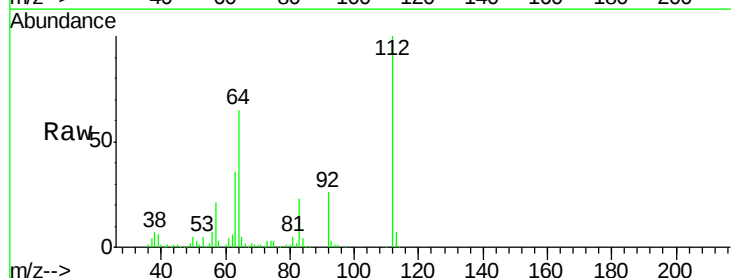
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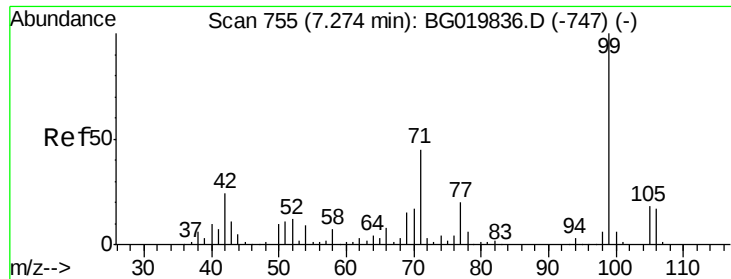


#5

2-Fluorophenol
Concen: 155.28 ng
RT: 5.66 min Scan# 480
Delta R.T. -0.01 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	43.7	65.5
63	35.5	24.0	36.0





#7

Phenol-d6

Concen: 154.30 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

Instrument :

BNA_G

ClientSampleId :

S20-15

Tot Ion: 99 Resp: 273767
Ion Ratio Lower Upper

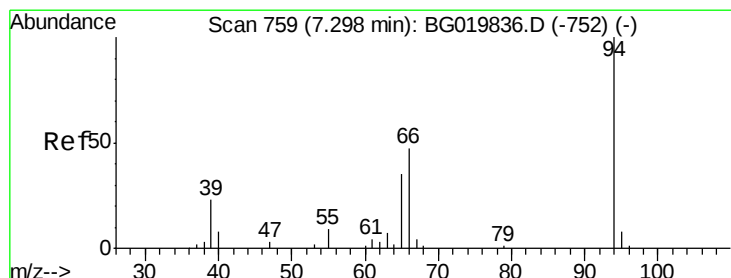
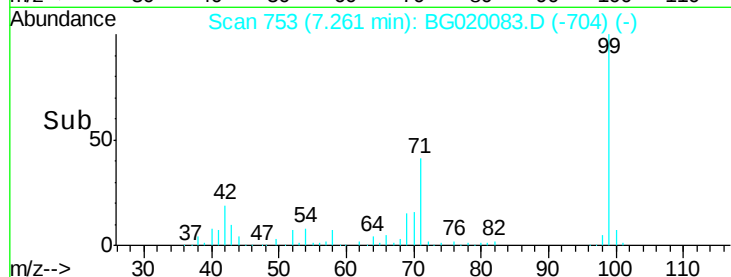
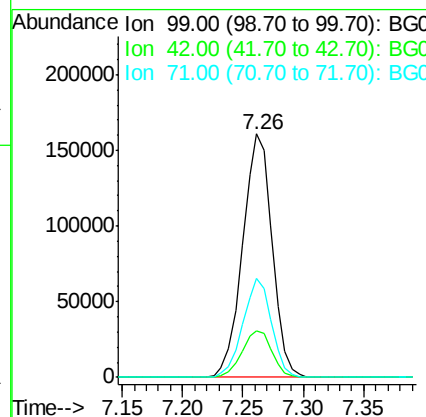
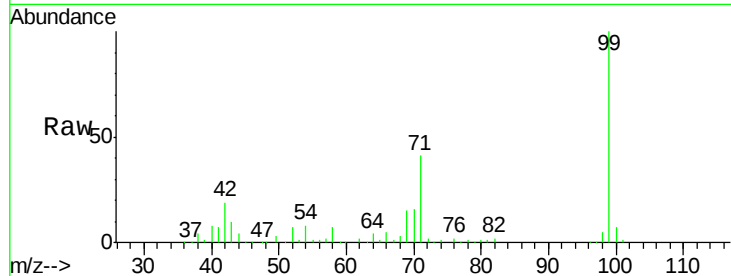
99 100

42 19.0 11.5 17.3#

71 40.8 22.6 34.0#

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#10

Phenol

Concen: 2.57 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.01 min

Lab File: BG020083.D

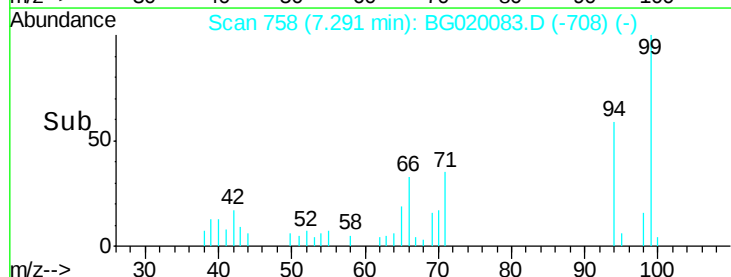
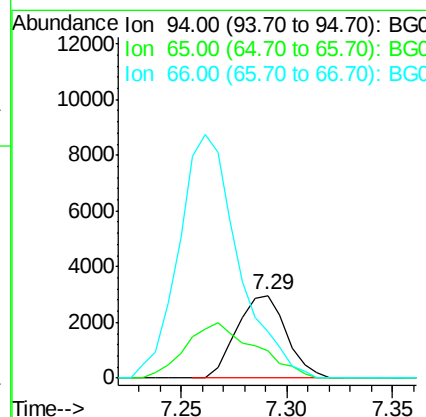
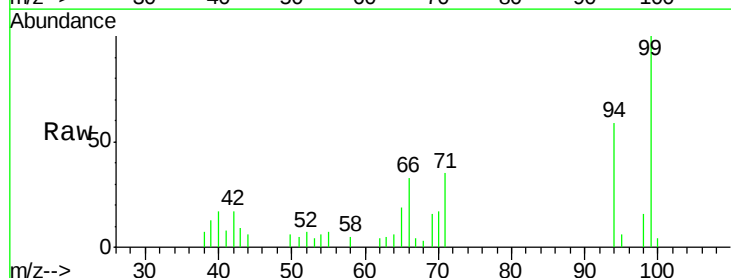
Acq: 10 Dec 2015 19:54

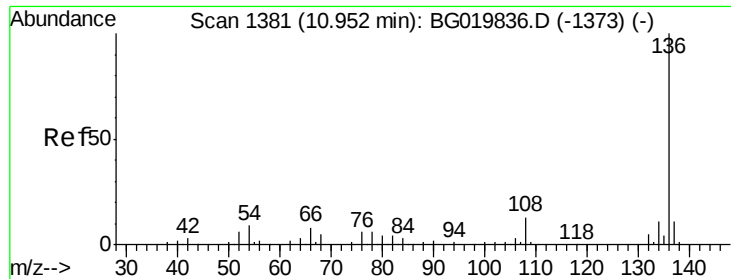
Tgt Ion: 94 Resp: 4804
Ion Ratio Lower Upper

94 100

65 32.7 5.4 45.4

66 56.5 11.8 51.8#





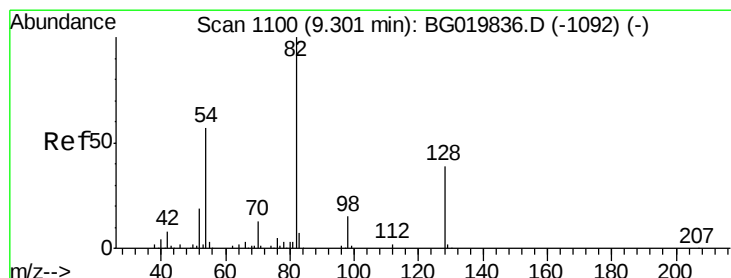
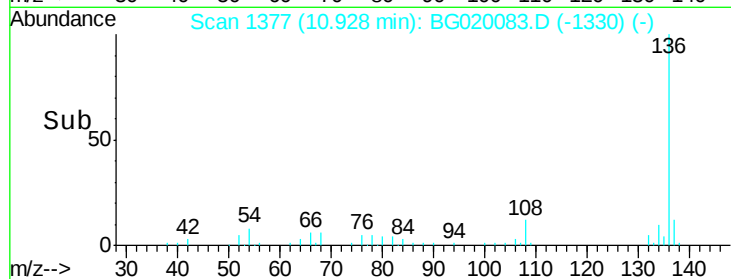
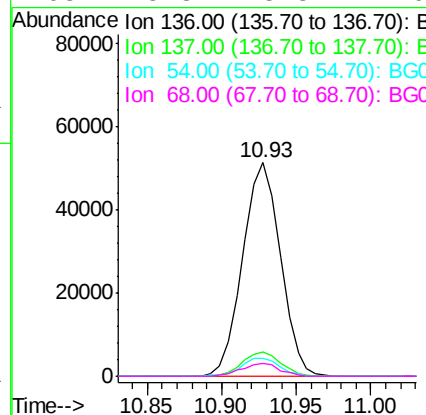
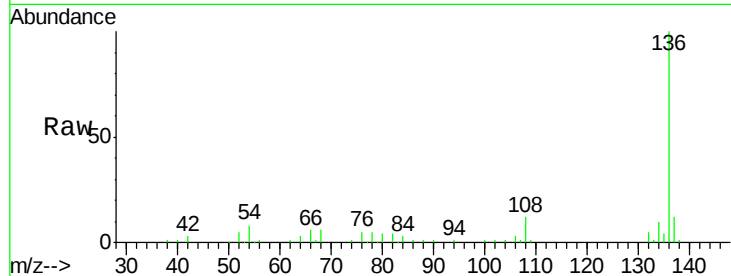
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 1377
Delta R.T. -0.02 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Instrument :
BNA_G
ClientSampleId :
S20-15

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.6	8.6	12.8
54	8.2	5.4	8.2#
68	5.8	5.3	7.9

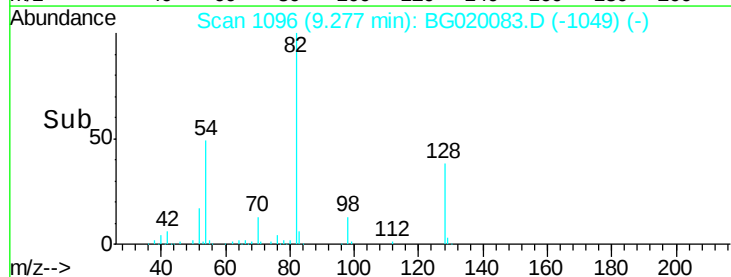
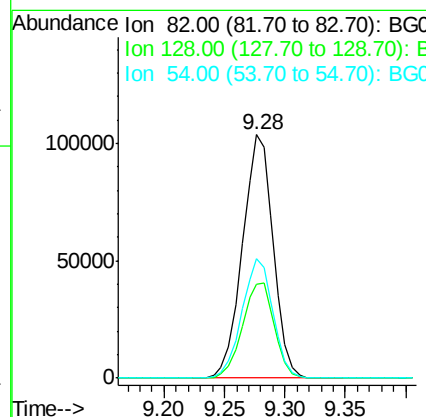
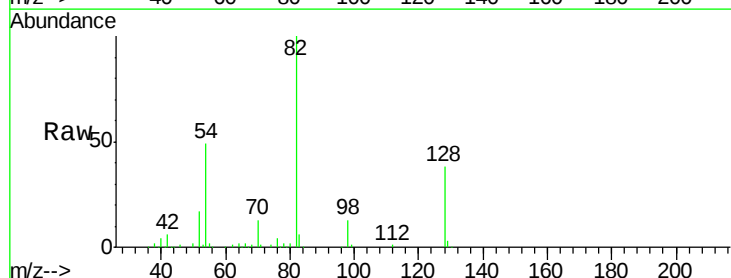
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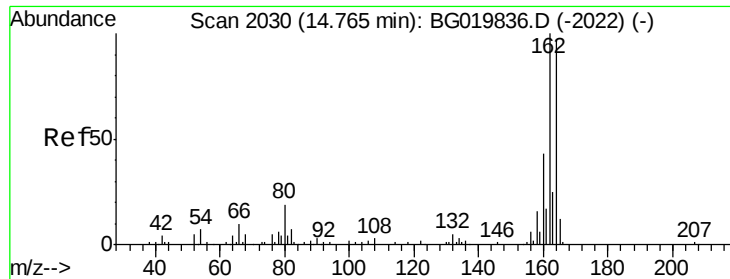
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#23
Nitrobenzene-d5
Concen: 103.88 ng
RT: 9.28 min Scan# 1096
Delta R.T. -0.02 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	38.5	36.7	55.1
54	48.9	33.8	50.8





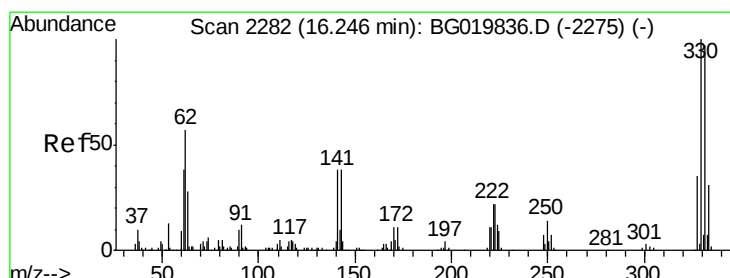
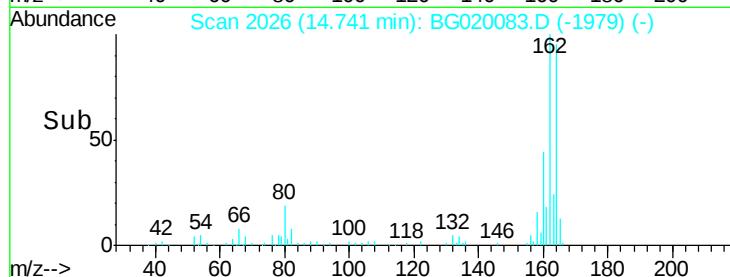
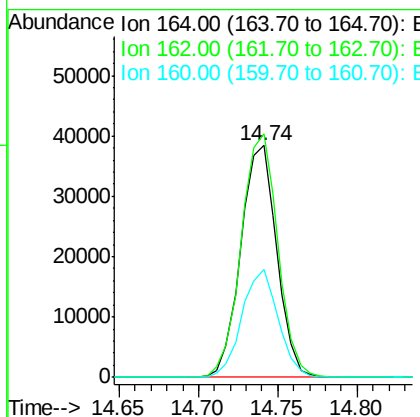
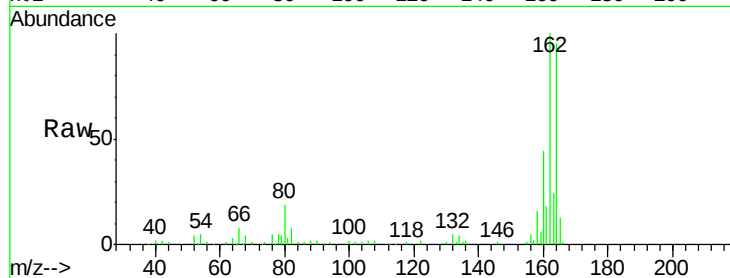
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Instrument :
BNA_G
ClientSampled :
S20-15

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.0	78.8	118.2
160	46.6	36.4	54.6

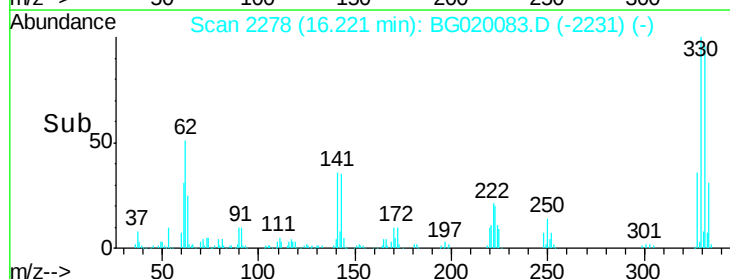
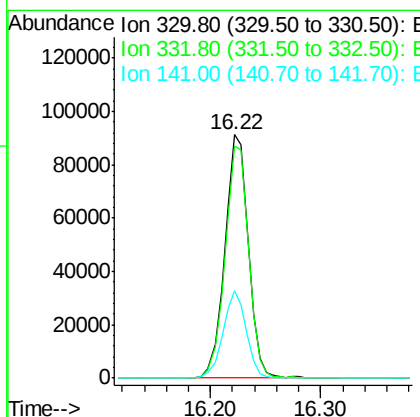
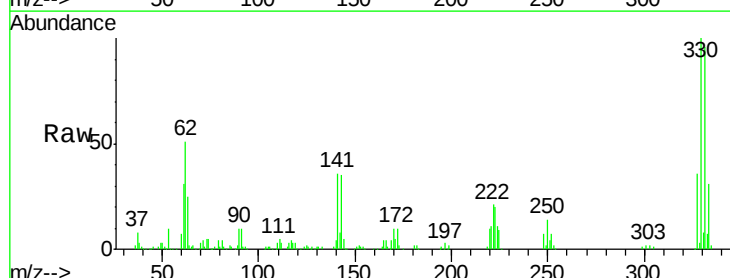
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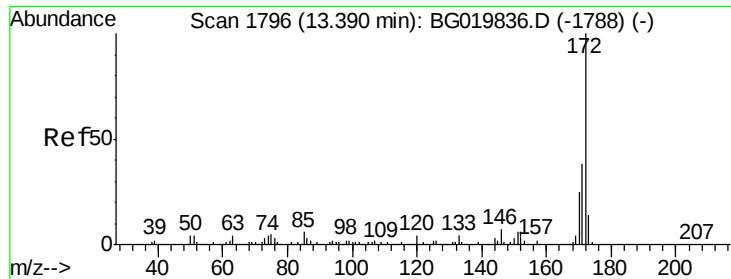
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#41
2,4,6-Tribromophenol
Concen: 146.85 ng
RT: 16.22 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.1	117.1
141	35.1	28.2	42.2





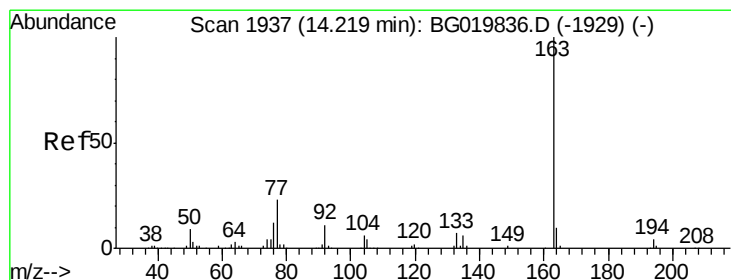
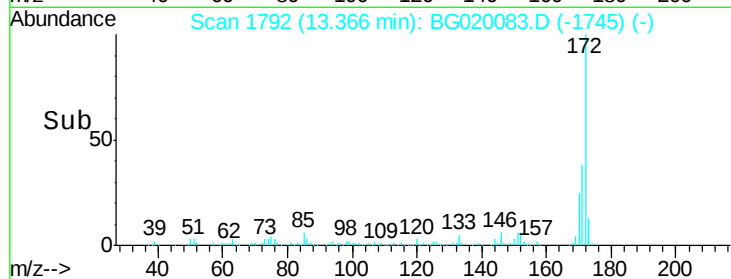
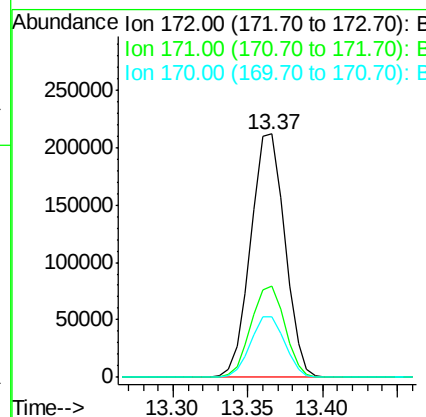
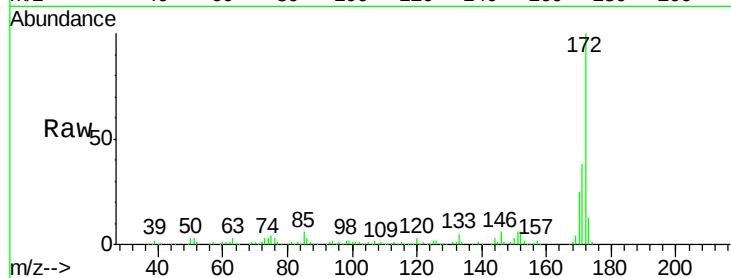
#44
2-Fluorobiphenyl
Concen: 75.66 ng
RT: 13.37 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Instrument :
BNA_G
ClientSampled :
S20-15

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.0	43.6
170	25.0	19.9	29.9

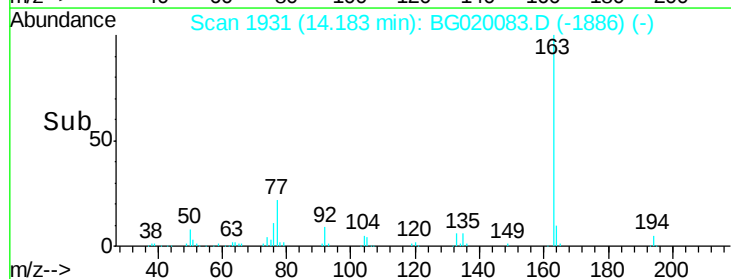
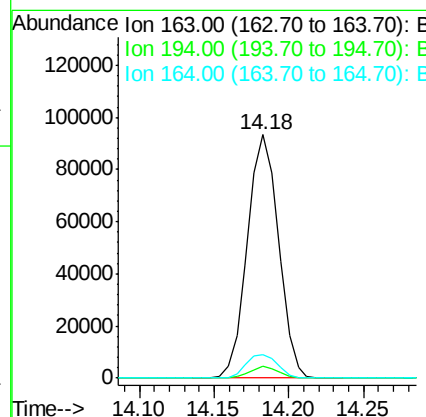
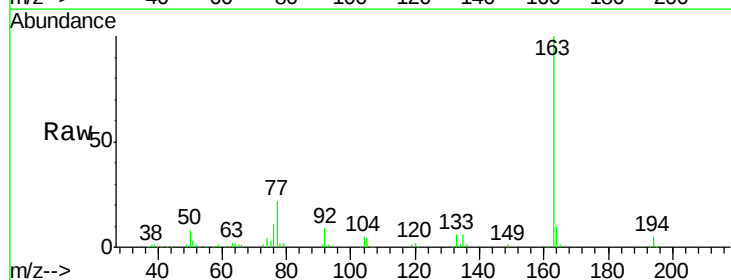
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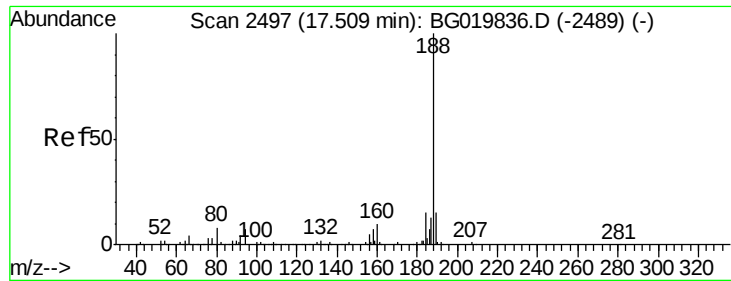
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#49
Dimethylphthalate
Concen: 24.78 ng
RT: 14.18 min Scan# 1931
Delta R.T. -0.04 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.1	4.7
164	9.8	8.8	13.2





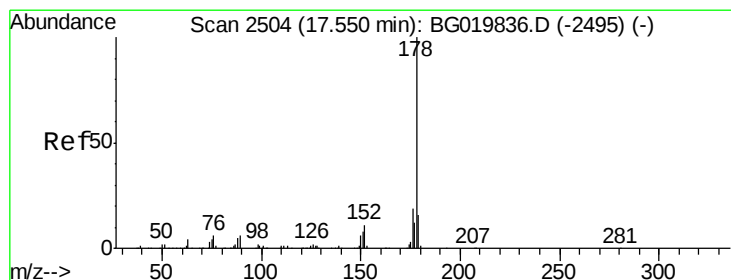
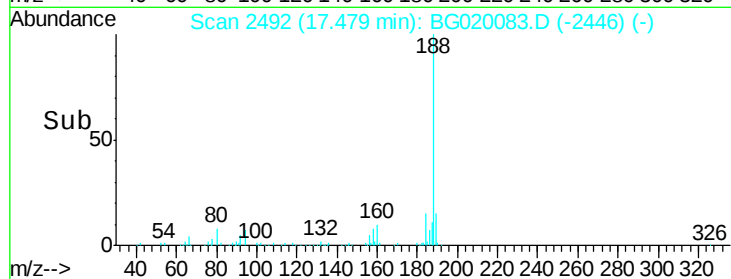
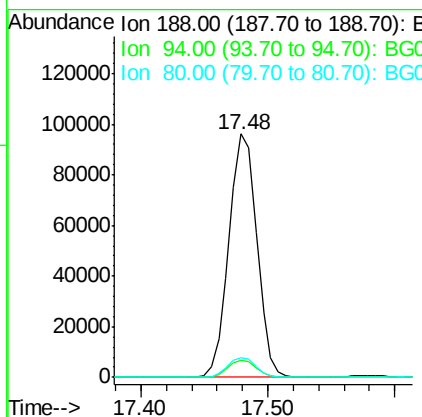
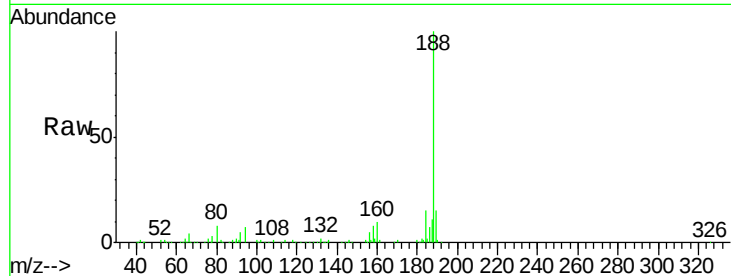
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.03 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Instrument :
BNA_G
ClientSampleId :
S20-15

Tot Ion	Ratio	Resp	Lower	Upper
188	100	146331		
94	6.8	7.7	11.5#	
80	7.9	7.8	11.8	

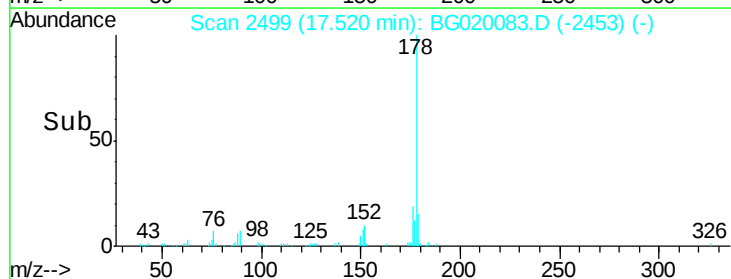
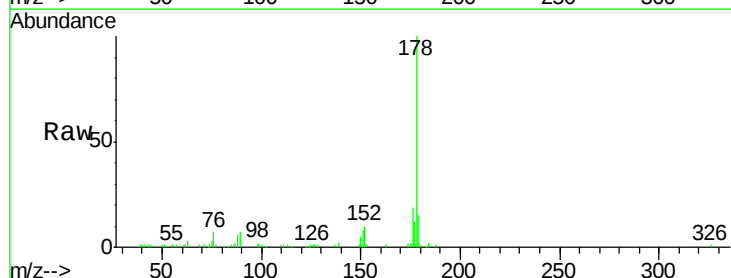
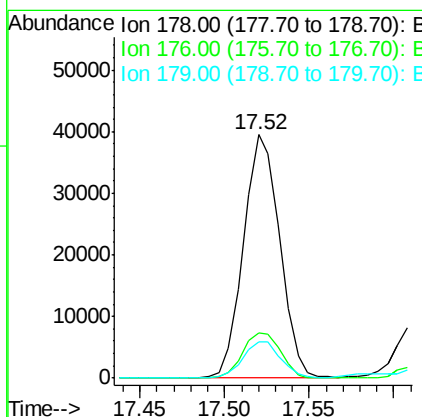
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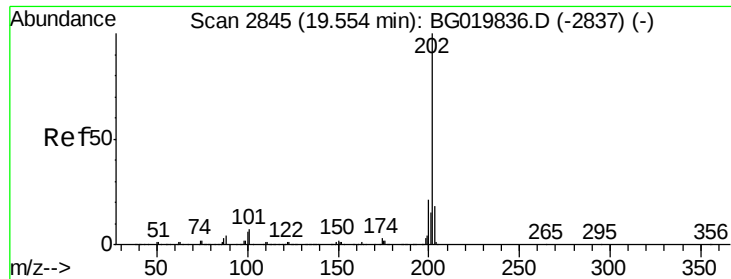
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#70
Phenanthrene
Concen: 7.12 ng
RT: 17.52 min Scan# 2499
Delta R.T. -0.03 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	58982		
176	18.8	16.7	25.1	
179	14.9	13.9	20.9	





#74

Fluoranthene

Concen: 8.85 ng

RT: 19.52 min Scan# 2840

Delta R.T. -0.03 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

Instrument :

BNA_G

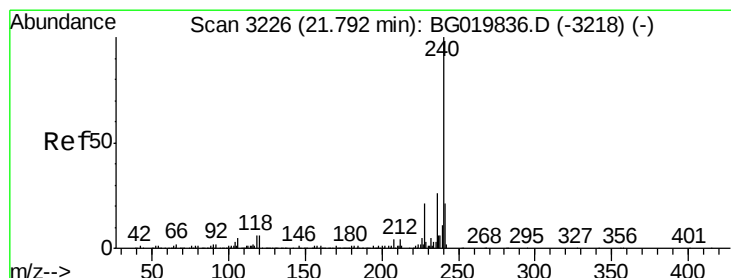
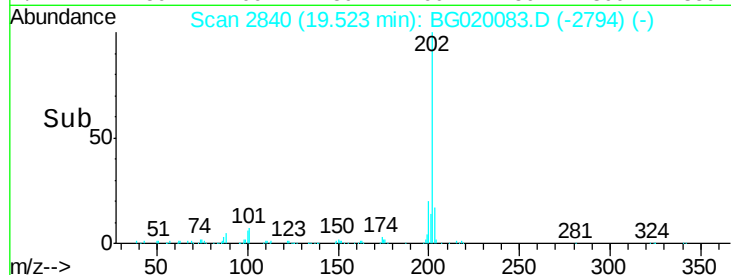
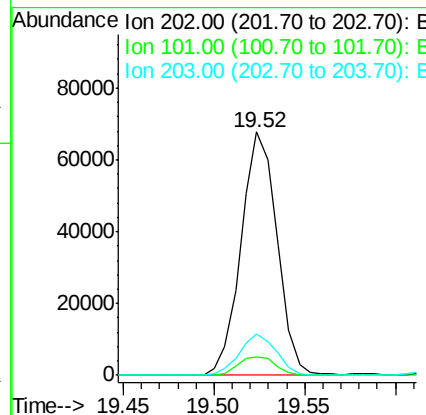
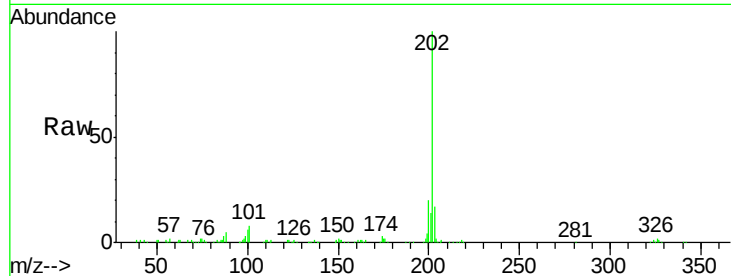
ClientSampleId :

S20-15

Tot Ion:	202	Resp:	93757
Ion Ratio	Lower	Upper	
202	100		
101	7.7	0.0	32.4
203	16.9	0.0	39.5

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

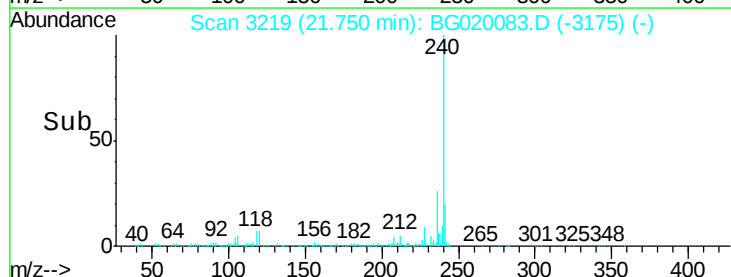
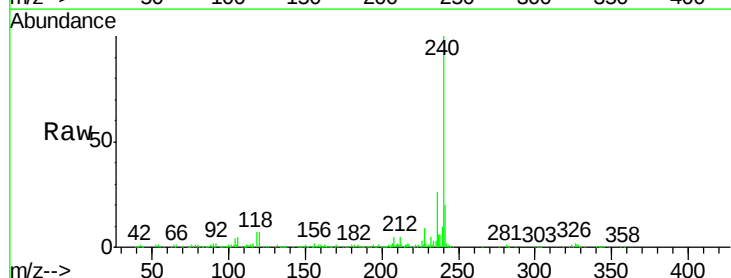
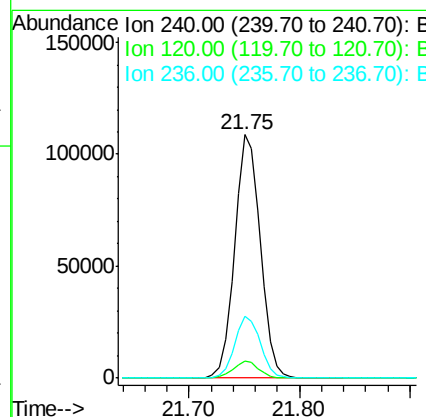
RT: 21.75 min Scan# 3219

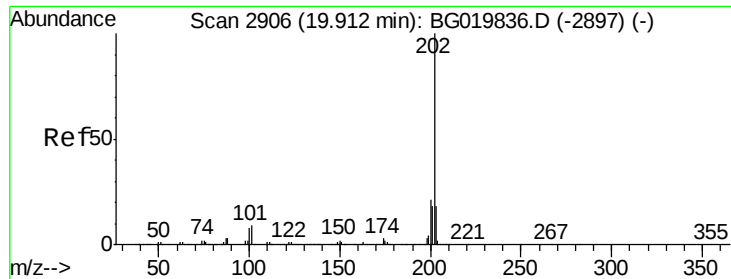
Delta R.T. -0.04 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

Tgt Ion:	240	Resp:	177027
Ion Ratio	Lower	Upper	
240	100		
120	7.1	7.4	11.0#
236	25.5	20.7	31.1





#77

Pvrene

Concen: 7.97 ng

RT: 19.89 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

Instrument :

BNA_G

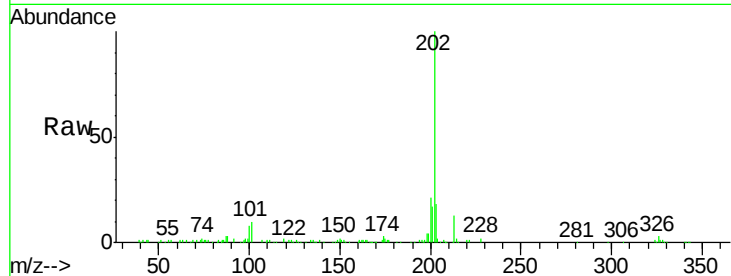
ClientSampleId :

S20-15

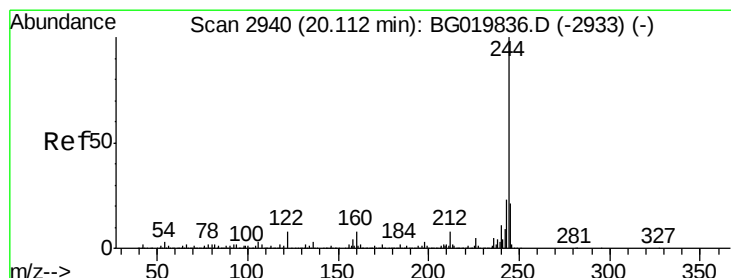
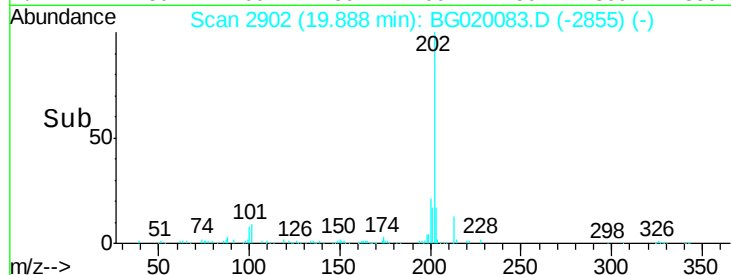
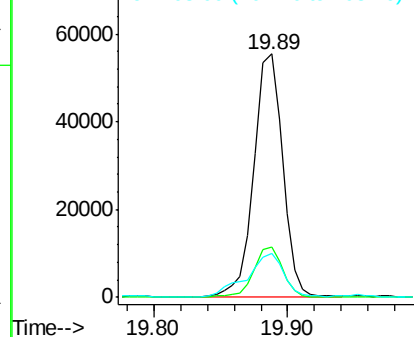
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		82956		
200	20.7		19.4	29.0	
203	18.3		15.5	23.3	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 80.95 ng

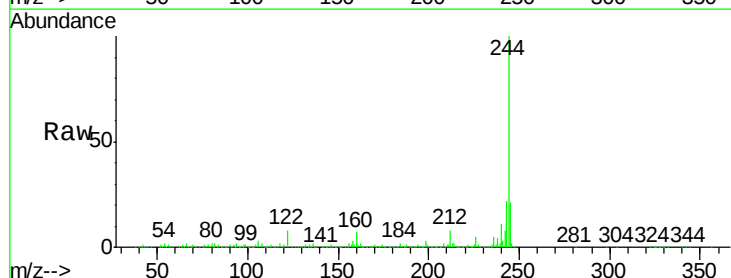
RT: 20.08 min Scan# 2935

Delta R.T. -0.03 min

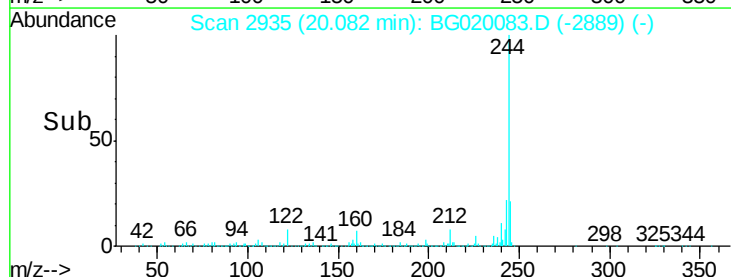
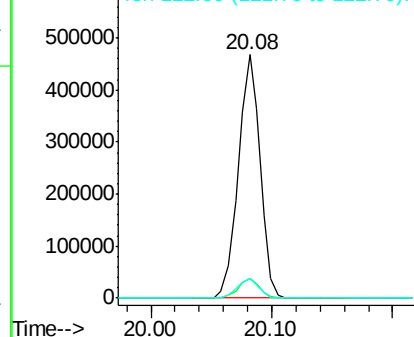
Lab File: BG020083.D

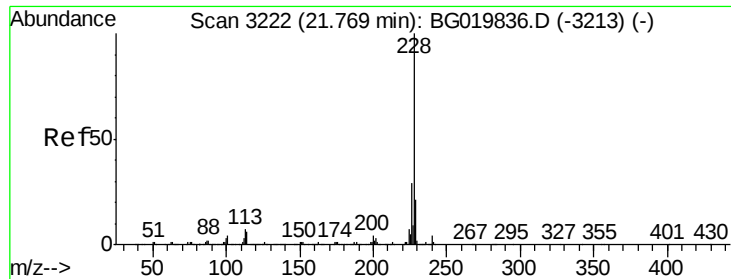
Acq: 10 Dec 2015 19:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		587501		
212	8.3		6.9	10.3	
122	8.1		10.2	15.2#	



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





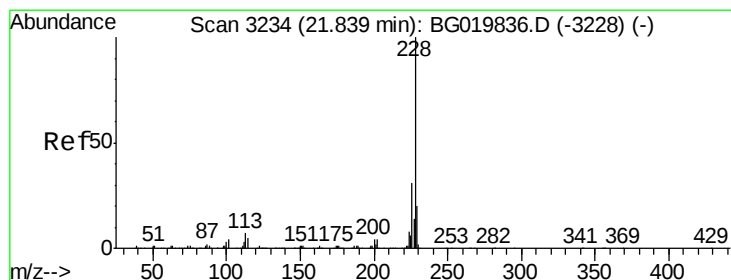
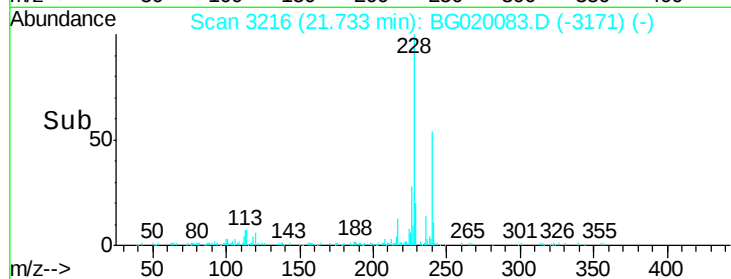
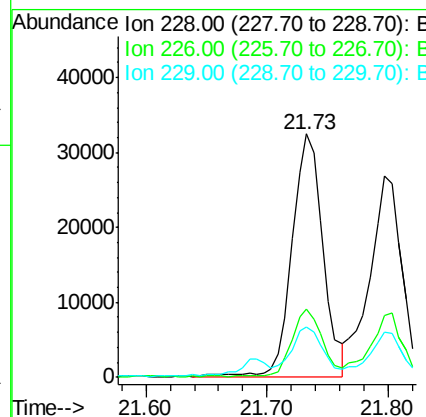
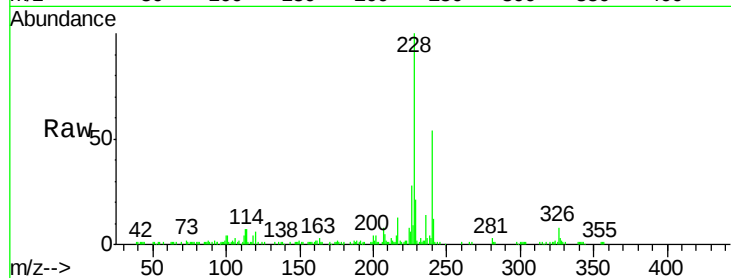
#80
Benzo(a)anthracene
Concen: 5.37 ng
RT: 21.73 min Scan# 3216
Delta R.T. -0.04 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Instrument :
BNA_G
ClientSampleId :
S20-15

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.4	35.0
229	20.7	16.6	25.0

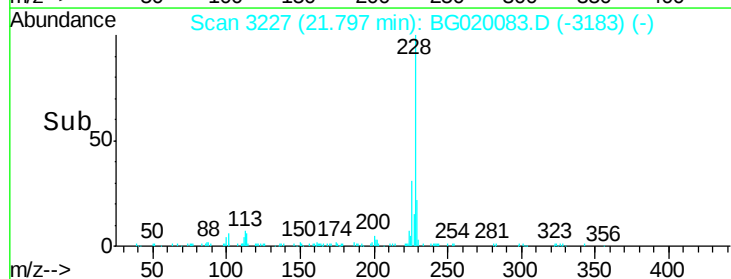
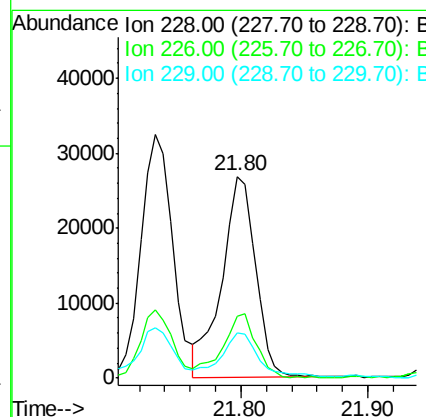
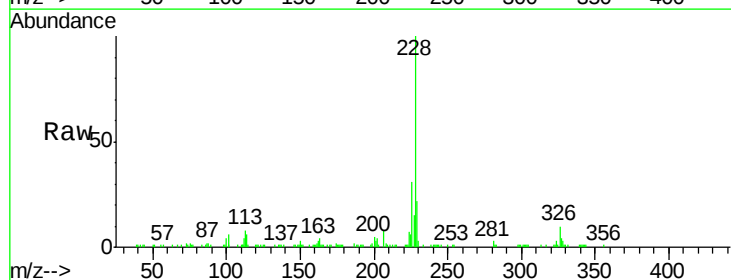
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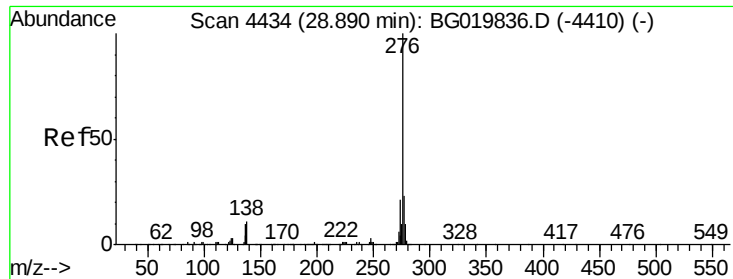
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#82
Chrysene
Concen: 4.83 ng
RT: 21.80 min Scan# 3227
Delta R.T. -0.04 min
Lab File: BG020083.D
Acq: 10 Dec 2015 19:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	26.7	40.1
229	22.2	17.0	25.6





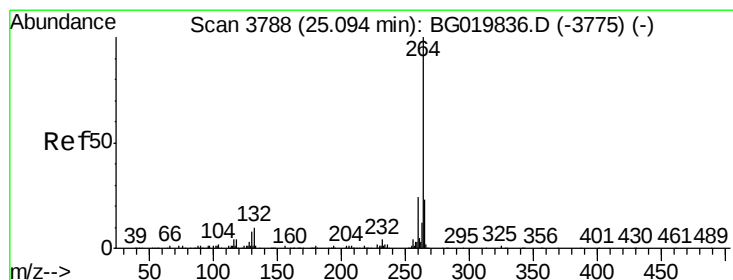
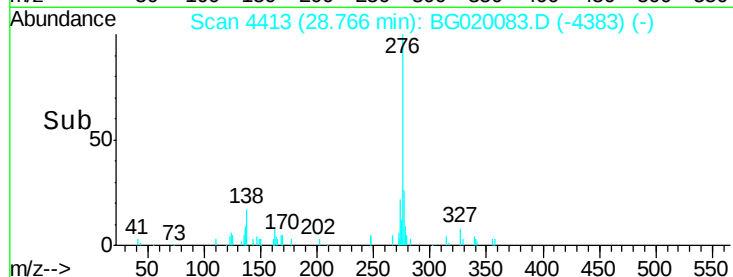
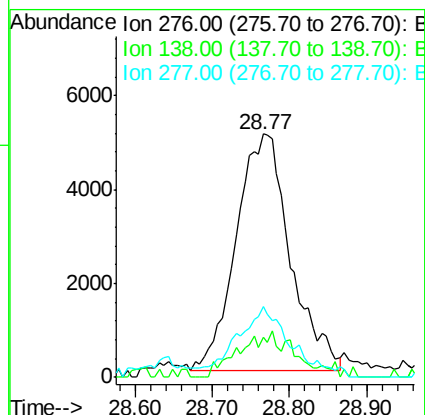
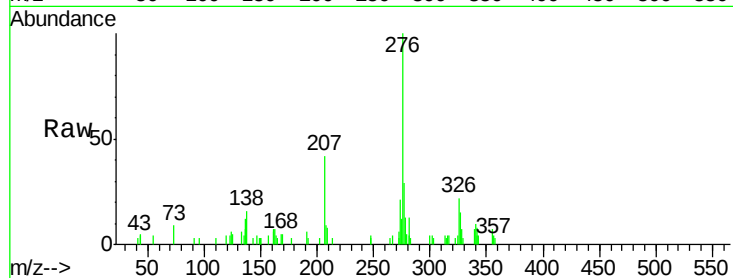
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.18 ng
 RT: 28.77 min Scan# 4413
 Delta R.T. -0.12 min
 Lab File: BG020083.D
 Acq: 10 Dec 2015 19:54

Instrument :
 BNA_G
 ClientSampleId :
 S20-15

Tot Ion:	276	Resp:	24661
Ion Ratio	Lower	Upper	
276	100		
138	8.2	0.0	0.0#
277	29.6	0.0	0.0#

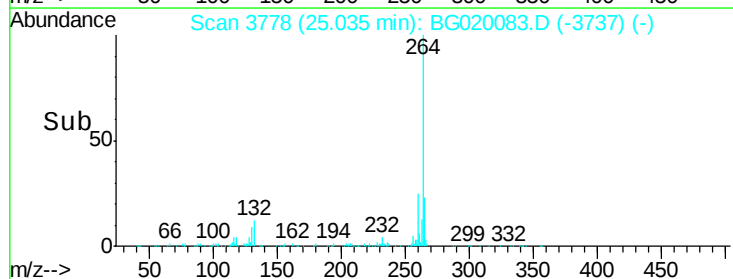
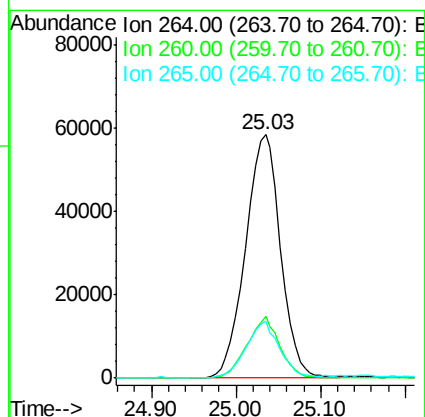
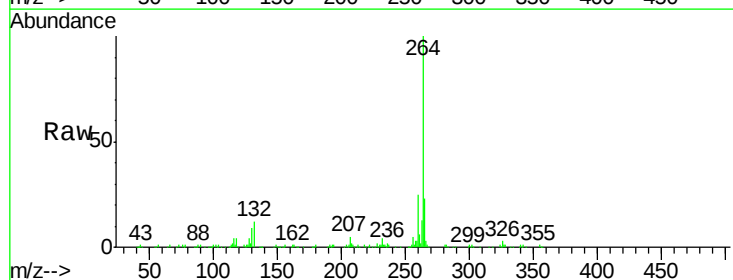
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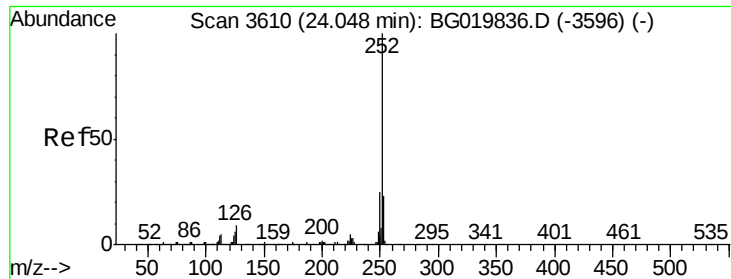
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.03 min Scan# 3778
 Delta R.T. -0.06 min
 Lab File: BG020083.D
 Acq: 10 Dec 2015 19:54

Tgt Ion:	264	Resp:	168313
Ion Ratio	Lower	Upper	
264	100		
260	25.3	18.5	27.7
265	23.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 5.35 ng

RT: 23.99 min Scan# 3600

Delta R.T. -0.06 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

Instrument :

BNA_G

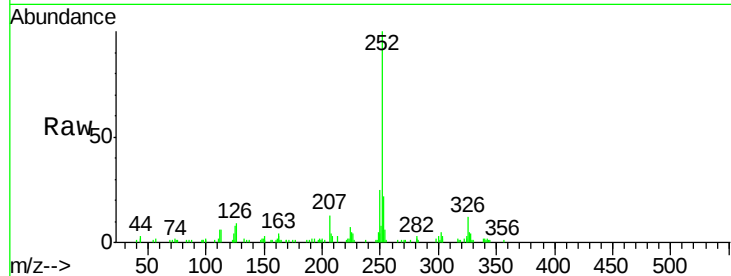
ClientSampleId :

S20-15

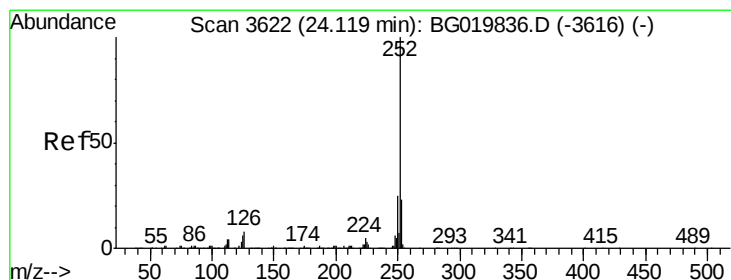
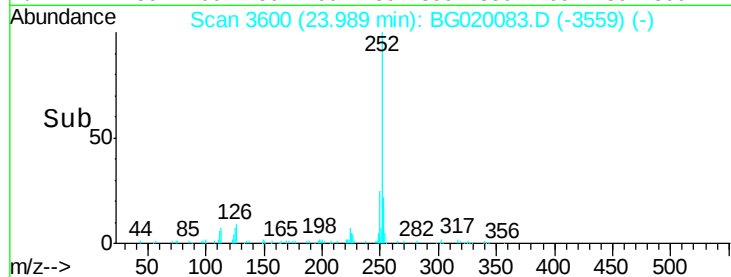
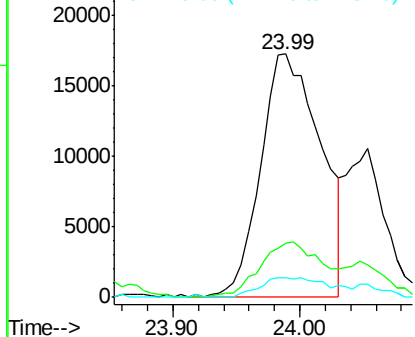
Tot Ion:	252	Resp:	57094
Ion Ratio	Lower	Upper	
252	100		
253	22.2	19.1	28.7
125	8.2	8.9	13.3#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.15 ng m

RT: 24.05 min Scan# 3611

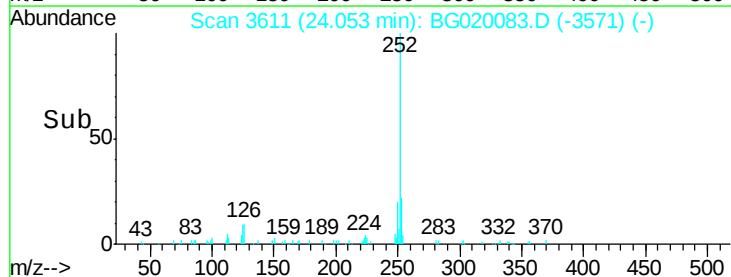
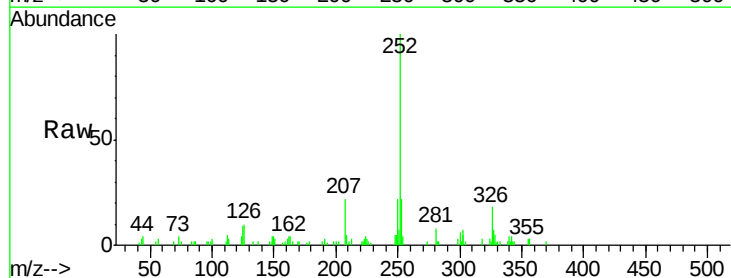
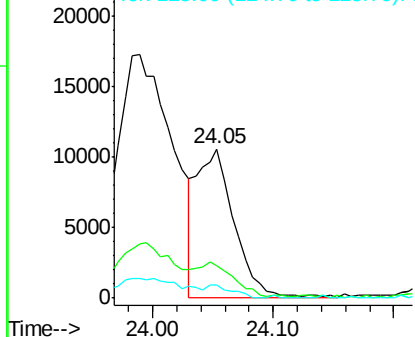
Delta R.T. -0.07 min

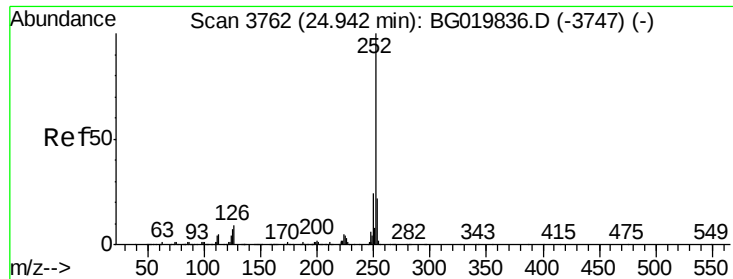
Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

Tgt Ion:	252	Resp:	22682
Ion Ratio	Lower	Upper	
252	100		
253	22.1	19.0	28.4
125	8.5	8.9	13.3#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.39 ng

RT: 24.87 min Scan# 3750

Delta R.T. -0.07 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

Instrument :

BNA_G

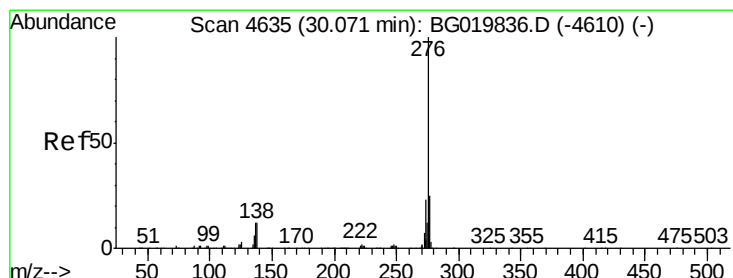
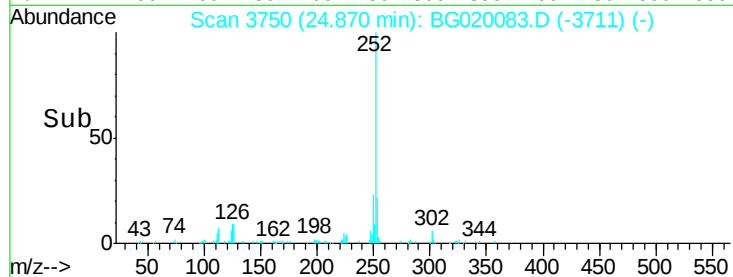
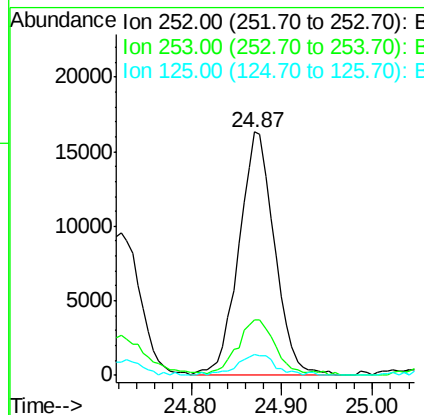
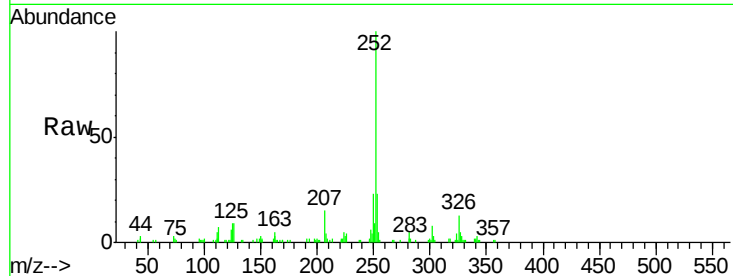
ClientSampleId :

S20-15

Tot Ion:	252	Resp:	44459
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.7	28.1
125	8.8	9.1	13.7#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 2.18 ng

RT: 29.93 min Scan# 4612

Delta R.T. -0.14 min

Lab File: BG020083.D

Acq: 10 Dec 2015 19:54

Tgt Ion:	276	Resp:	21449
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.4	27.6
138	17.6	17.4	26.0

