

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
 Data File : BG020085.D
 Acq On : 10 Dec 2015 21:12
 Operator : UM/SJ
 Sample : G4683-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S10-14.5

Manual Integrations
 APPROVED

MMdadoda
 12/11/2015 6:02:32 PM

Quant Time: Dec 11 06:07:38 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	18704	20.00	ng	-0.03
21) Naphthalene-d8	10.92	136	80168	20.00	ng	-0.03
38) Acenaphthene-d10	14.74	164	55176	20.00	ng	-0.03
63) Phenanthrene-d10	17.48	188	137046	20.00	ng	-0.03
75) Chrysene-d12	21.75	240	169175	20.00	ng	-0.04
86) Perylene-d12	25.03	264	159215	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	104447	100.93	ng	-0.01
7) Phenol-d6	7.26	99	159469	102.06	ng	-0.02
23) Nitrobenzene-d5	9.27	82	106559	67.84	ng	-0.03
41) 2,4,6-Tribromophenol	16.22	330	75171	89.04	ng	-0.02
44) 2-Fluorobiphenyl	13.36	172	222737	55.12	ng	-0.03
78) Terphenyl-d14	20.08	244	401901	57.95	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	14.18	163	77156	15.55	ng	99
70) Phenanthrene	17.52	178	39647	5.11	ng	93
74) Fluoranthene	19.52	202	60784	6.13	ng	91
77) Pyrene	19.88	202	55730	5.60	ng	92
80) Benzo(a)anthracene	21.73	228	29540	2.85	ng	97
82) Chrysene	21.80	228	29035	2.95	ng	98
87) Benzo(b)fluoranthene	23.99	252	32923	3.26	ng	# 95
89) Benzo(a)pyrene	24.87	252	25030m	2.61	ng	

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

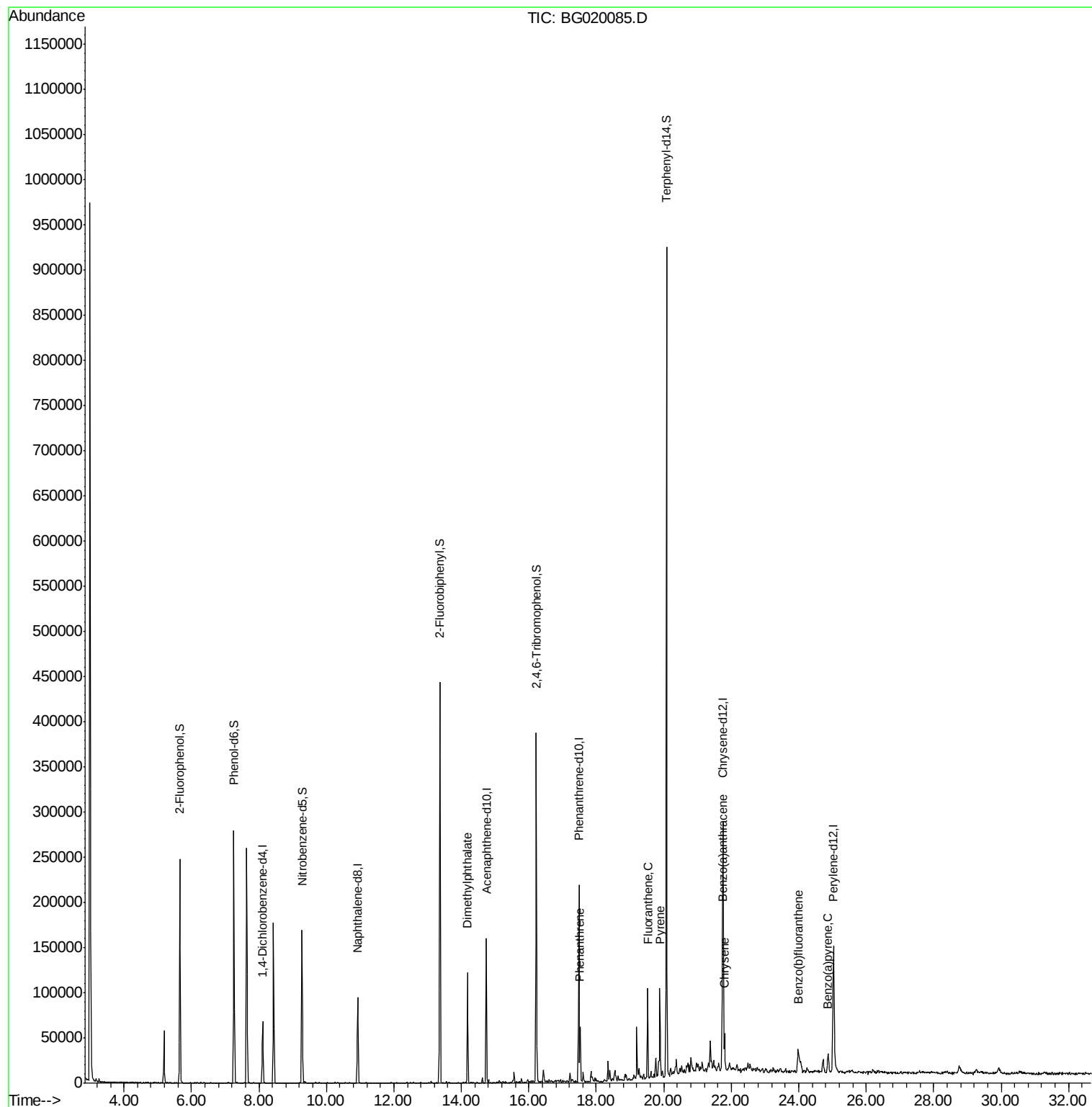
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020085.D
Acq On : 10 Dec 2015 21:12
Operator : UM/SJ
Sample : G4683-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

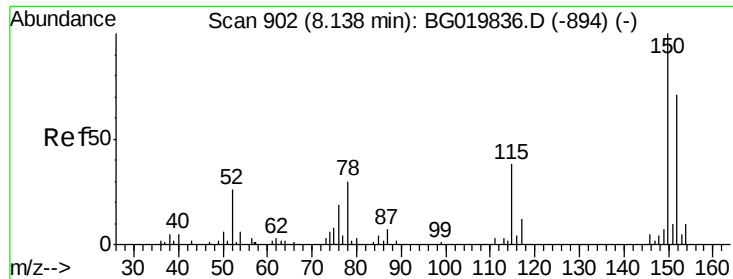
Instrument :
BNA_G
ClientSampleId :
S10-14.5

Manual Integrations
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12/11/2015 6:02:32 PM

Quant Time: Dec 11 06:07:38 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





#1

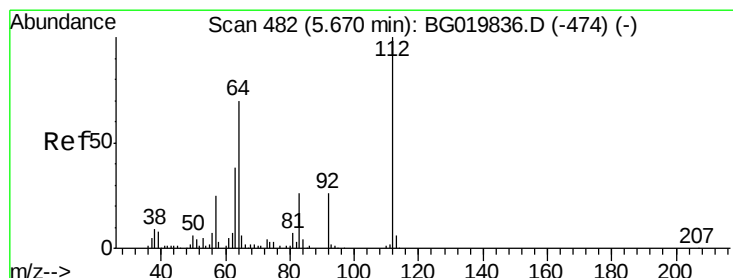
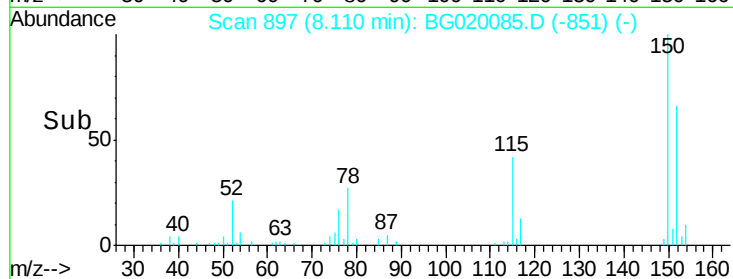
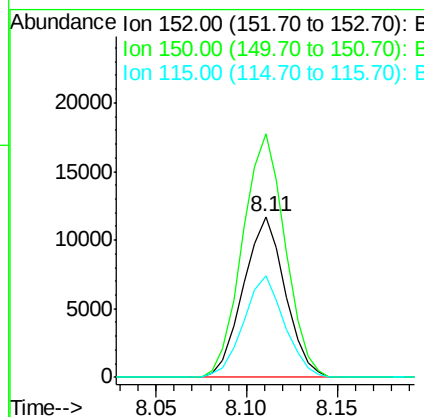
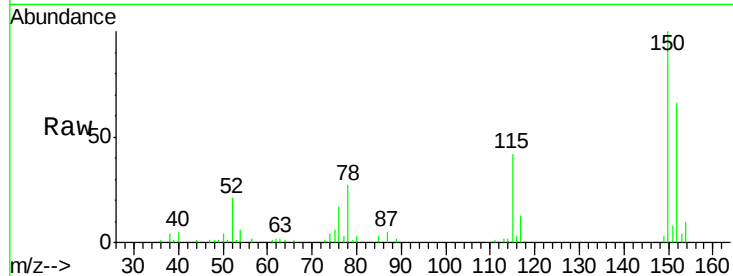
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 897
Delta R.T. -0.03 min
Lab File: BG020085.D
Acq: 10 Dec 2015 21:12

Instrument :
BNA_G
ClientSampleId :
S10-14.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	115.0	172.4
115	63.5	43.9	65.9

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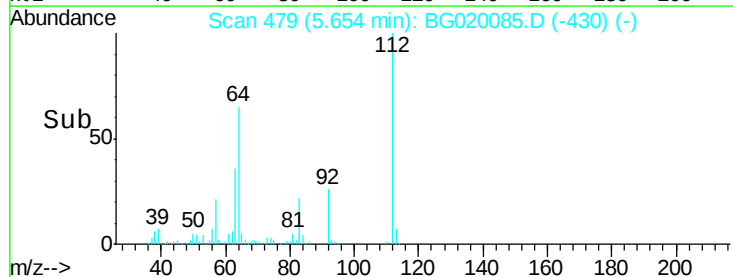
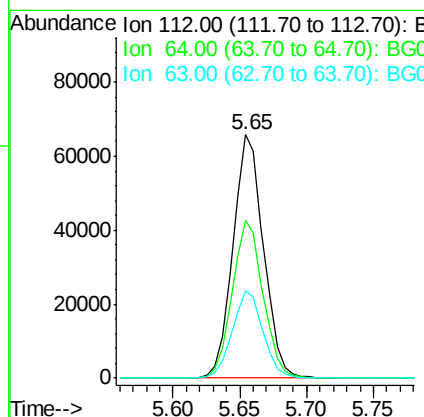
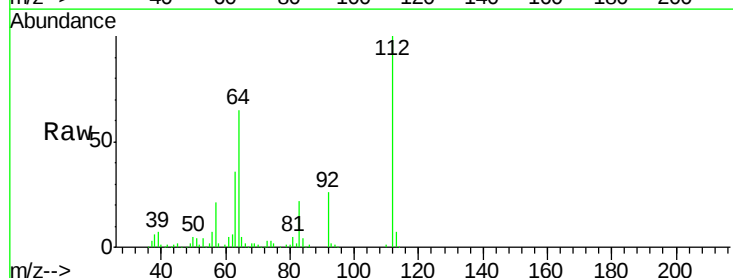
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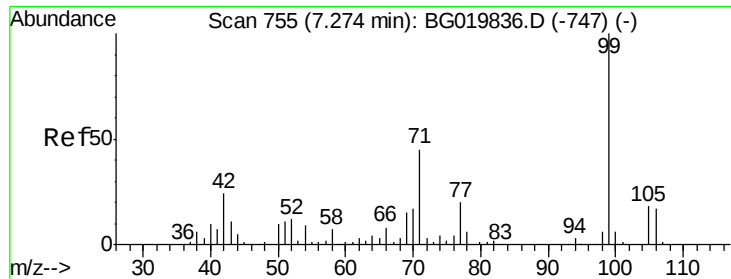


#5

2-Fluorophenol
Concen: 100.93 ng
RT: 5.65 min Scan# 479
Delta R.T. -0.01 min
Lab File: BG020085.D
Acq: 10 Dec 2015 21:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	43.7	65.5
63	36.0	24.0	36.0





#7

Phenol-d6

Concen: 102.06 ng

RT: 7.26 min Scan# 752

Delta R.T. -0.02 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

Instrument :

BNA_G

ClientSampleId :

S10-14.5

Tot Ion: 99 Resp: 159469

Ion Ratio Lower Upper

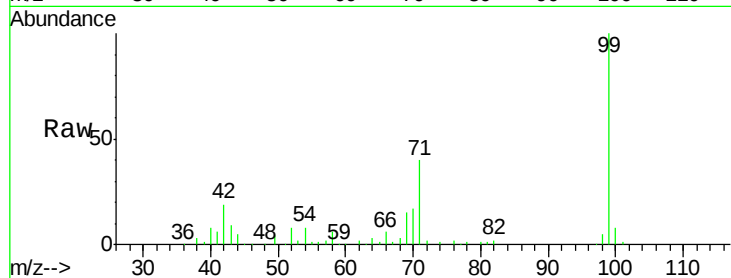
99 100

42 19.4 11.5 17.3#

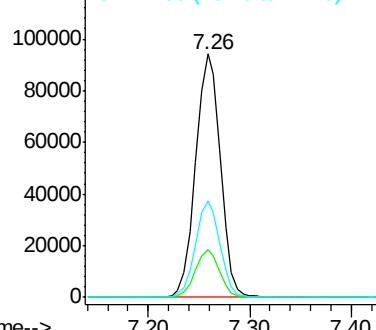
71 39.9 22.6 34.0#

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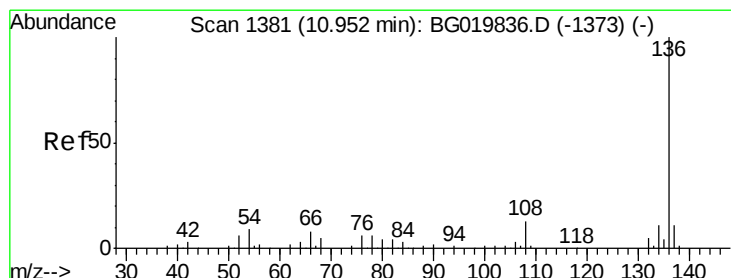
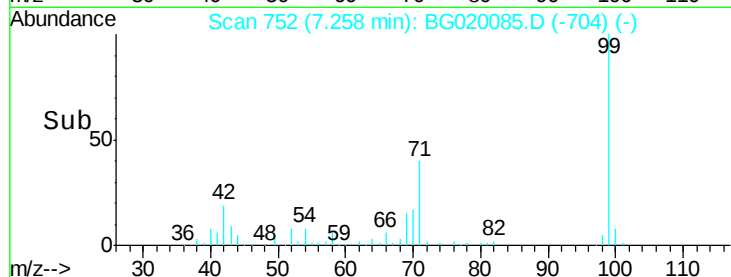
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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.92 min Scan# 1376

Delta R.T. -0.03 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

Tgt Ion: 136 Resp: 80168

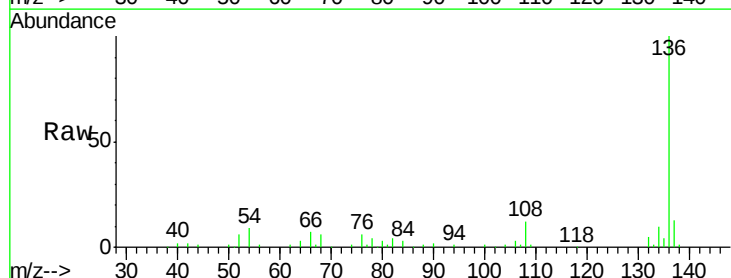
Ion Ratio Lower Upper

136 100

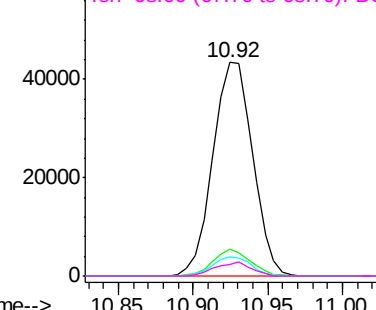
137 12.6 8.6 12.8

54 9.2 5.4 8.2#

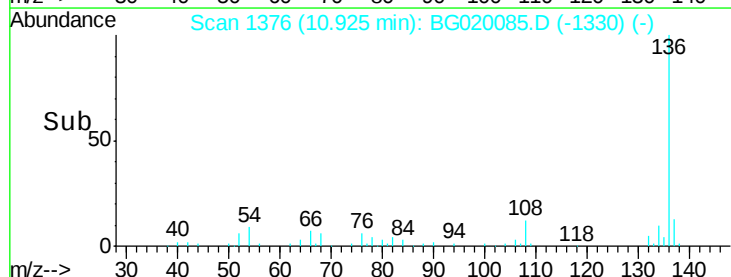
68 5.7 5.3 7.9

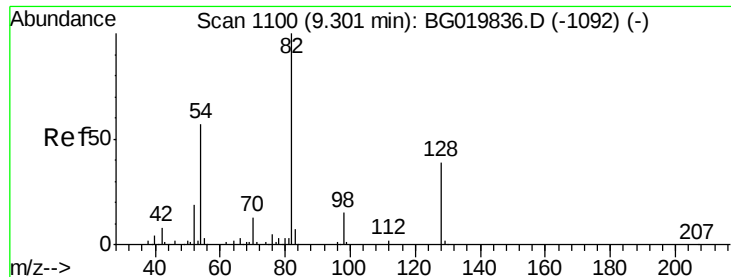


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC



Time-->





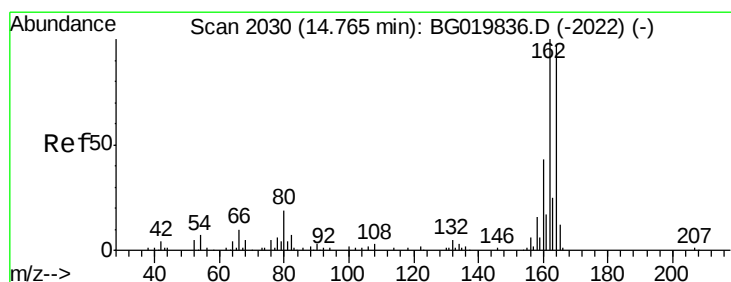
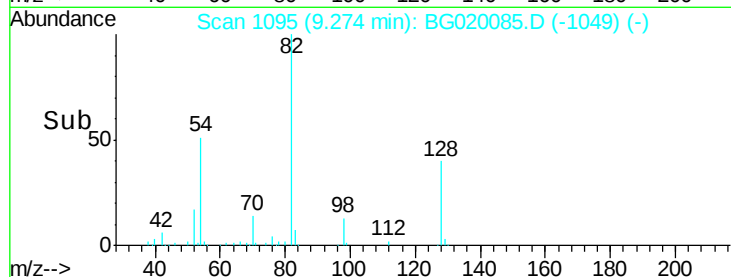
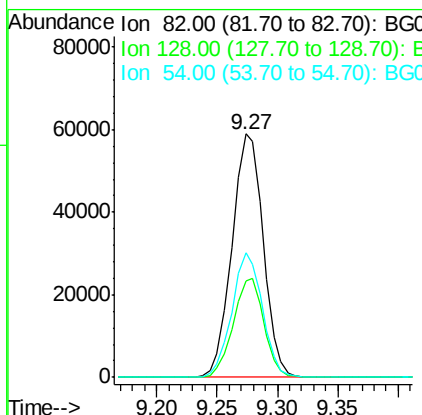
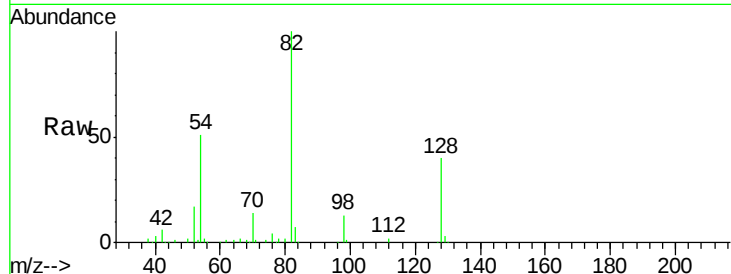
#23
Nitrobenzene-d5
Concen: 67.84 ng
RT: 9.27 min Scan# 1095
Delta R.T. -0.03 min
Lab File: BG020085.D
Acq: 10 Dec 2015 21:12

Instrument :
BNA_G
ClientSampleId :
S10-14.5

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.6	36.7	55.1	
54	51.3	33.8	50.8	

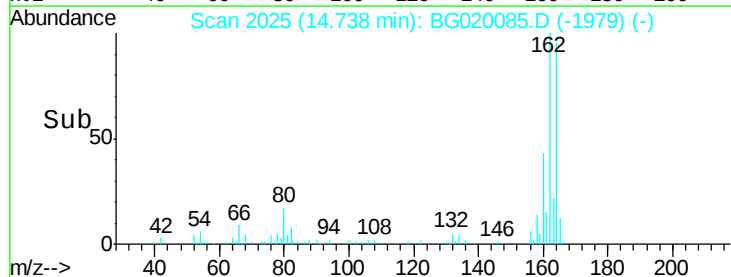
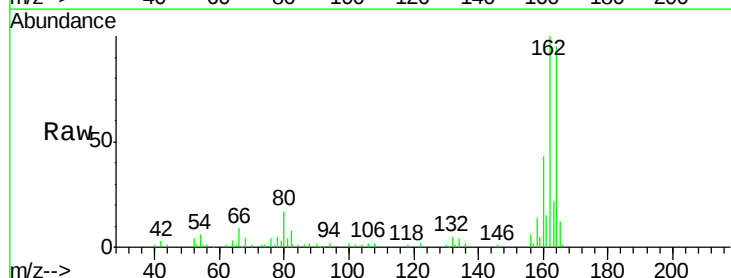
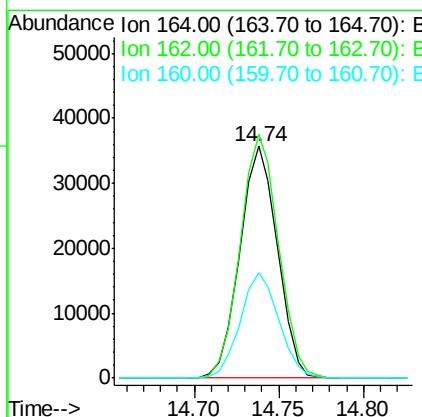
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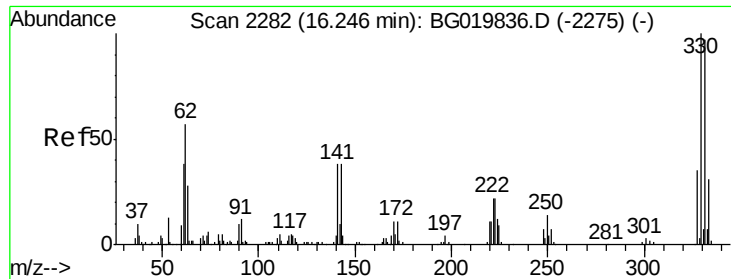
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 2025
Delta R.T. -0.03 min
Lab File: BG020085.D
Acq: 10 Dec 2015 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.9	78.8	118.2	
160	45.2	36.4	54.6	





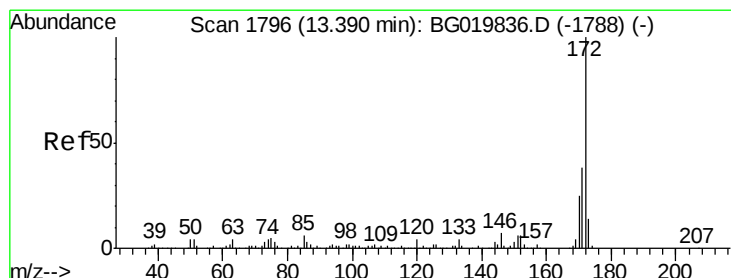
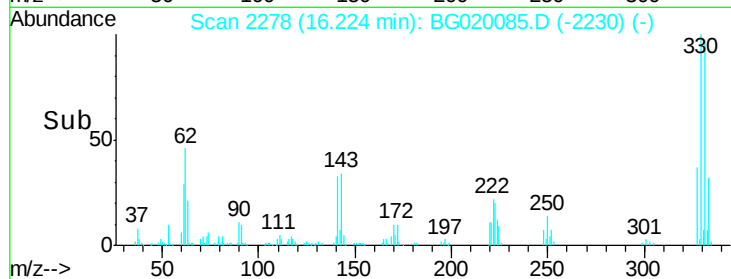
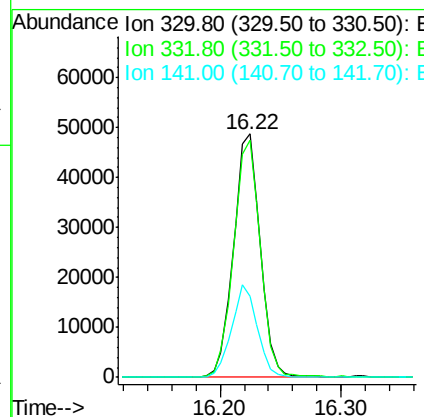
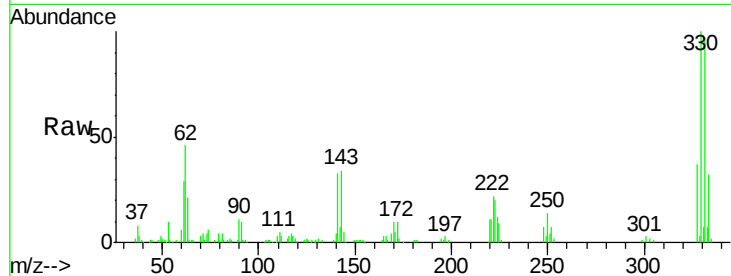
#41
 2,4,6-Tribromophenol
 Concen: 89.04 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BG020085.D
 Acq: 10 Dec 2015 21:12

Instrument :
 BNA_G
 ClientSampleId :
 S10-14.5

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.1	117.1
141	36.4	28.2	42.2

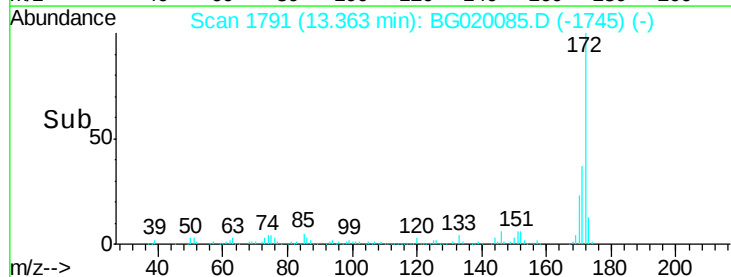
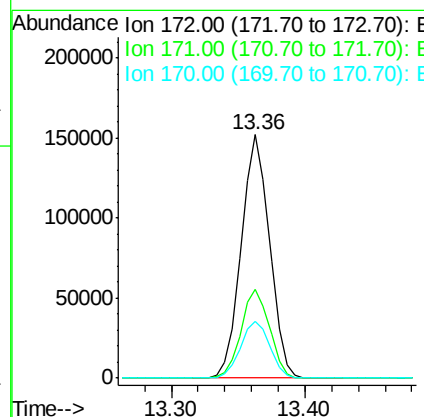
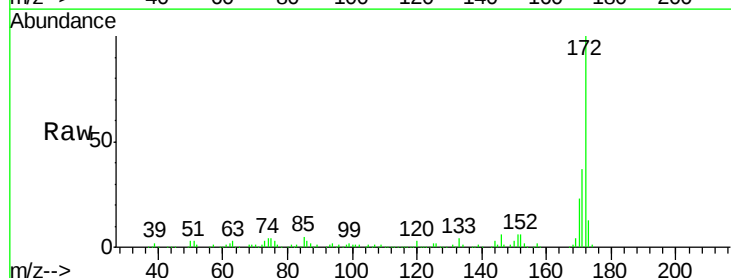
Manual Integrations
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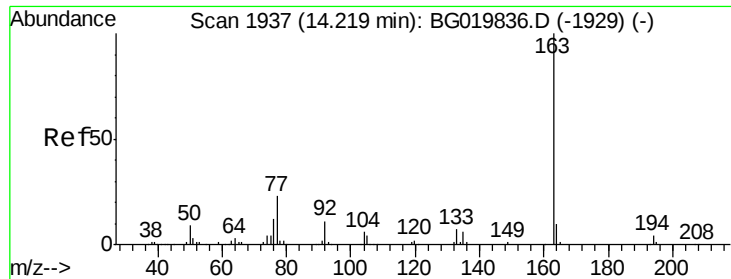
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#44
 2-Fluorobiphenyl
 Concen: 55.12 ng
 RT: 13.36 min Scan# 1791
 Delta R.T. -0.03 min
 Lab File: BG020085.D
 Acq: 10 Dec 2015 21:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.6
170	23.4	19.9	29.9





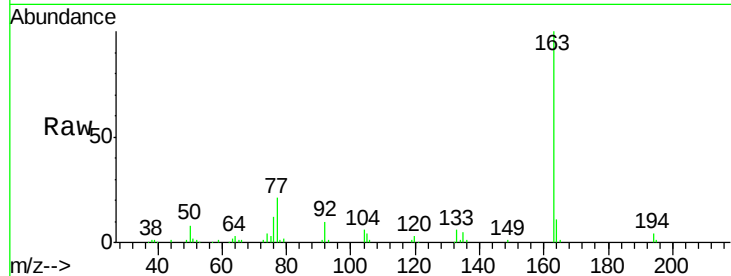
#49
Dimethylphthalate
Concen: 15.55 ng
RT: 14.18 min Scan# 1930
Delta R.T. -0.04 min
Lab File: BG020085.D
Acq: 10 Dec 2015 21:12

Instrument :
BNA_G
ClientSampleId :
S10-14.5

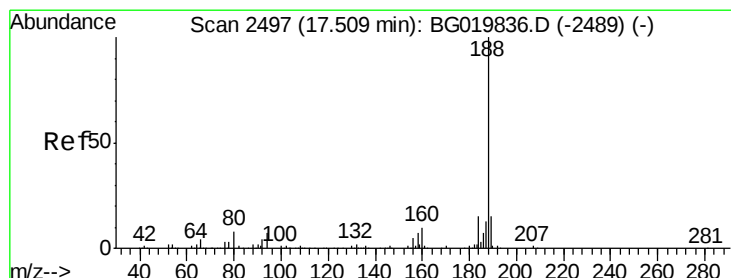
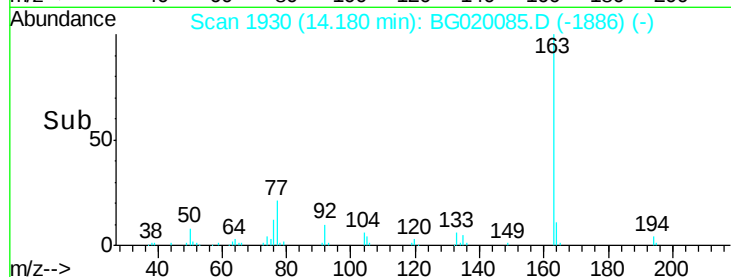
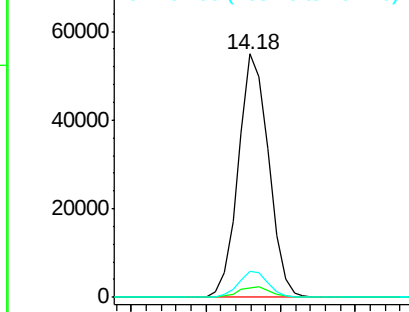
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.6	8.8	13.2

Manual Integrations
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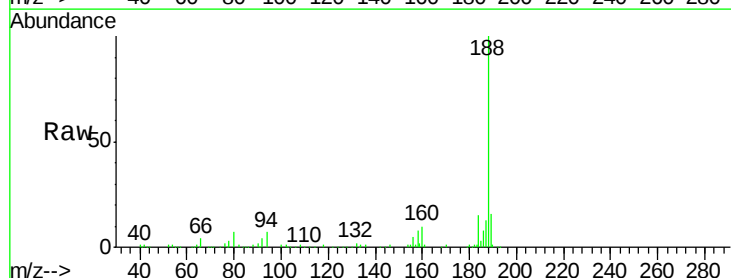


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

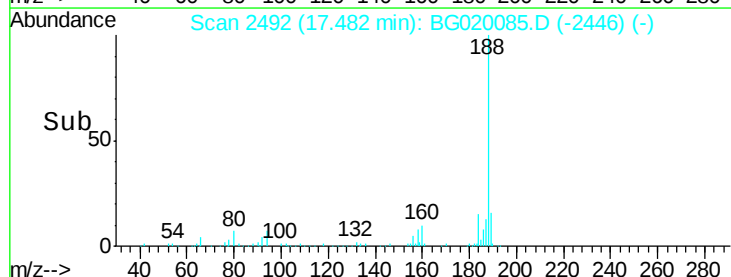
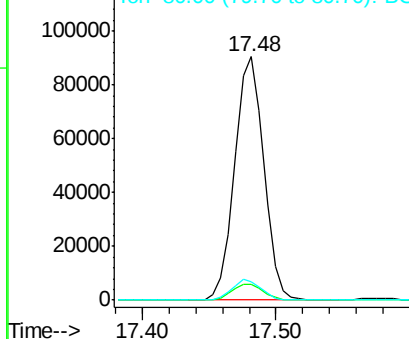


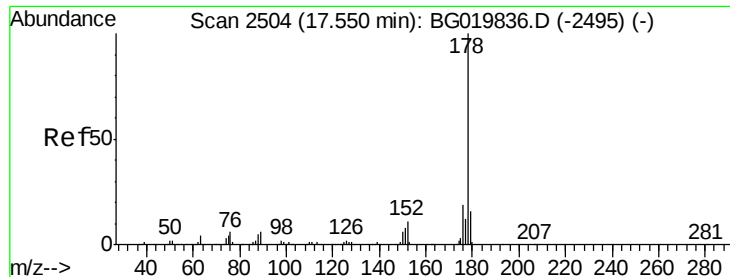
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.48 min Scan# 2492
Delta R.T. -0.03 min
Lab File: BG020085.D
Acq: 10 Dec 2015 21:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.6	7.7	11.5#
80	7.3	7.8	11.8#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 5.11 ng

RT: 17.52 min Scan# 2499

Delta R.T. -0.03 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

Instrument :

BNA_G

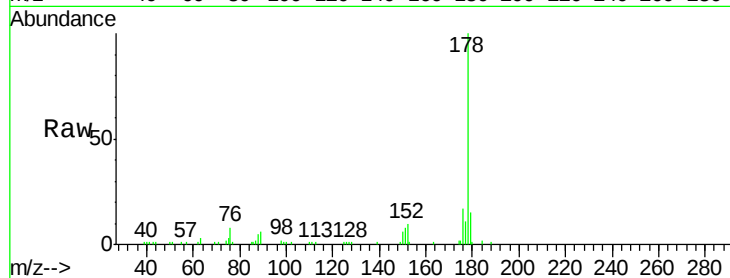
ClientSampleId :

S10-14.5

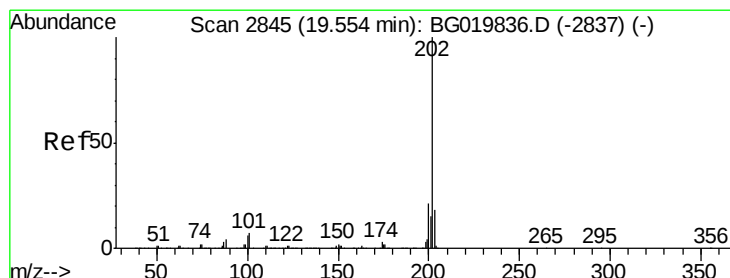
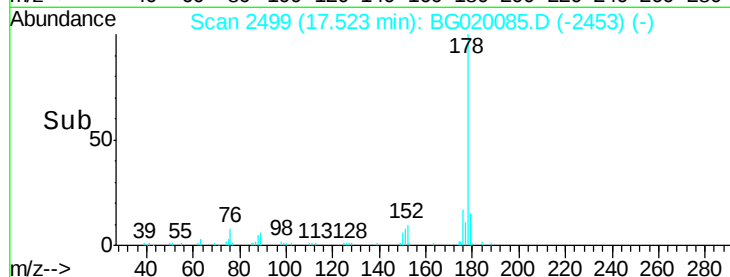
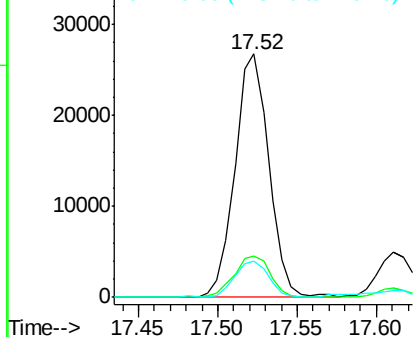
Tot Ion:	178	Resp:	39647
Ion Ratio	Lower	Upper	
178	100		
176	16.8	16.7	25.1
179	14.9	13.9	20.9

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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: 6.13 ng

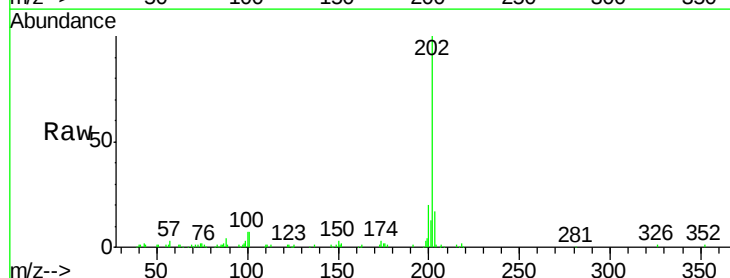
RT: 19.52 min Scan# 2839

Delta R.T. -0.03 min

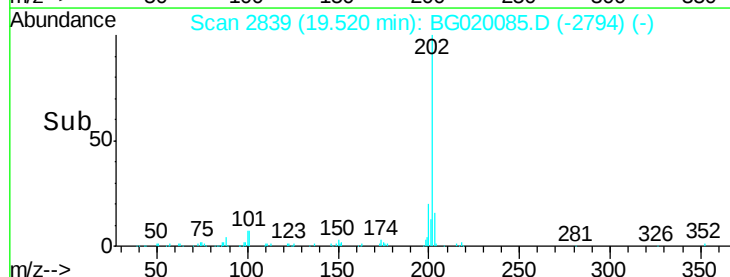
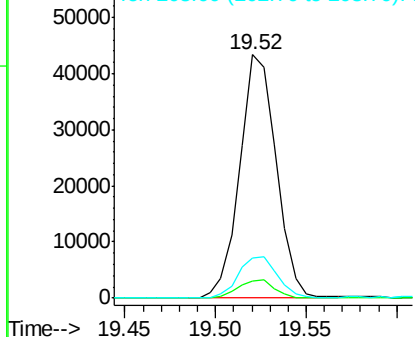
Lab File: BG020085.D

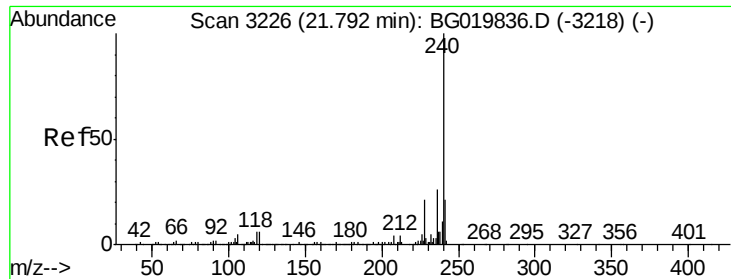
Acq: 10 Dec 2015 21:12

Tgt Ion:	202	Resp:	60784
Ion Ratio	Lower	Upper	
202	100		
101	7.0	0.0	32.4
203	16.7	0.0	39.5



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: 21.75 min Scan# 3219

Delta R.T. -0.04 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

Instrument :

BNA_G

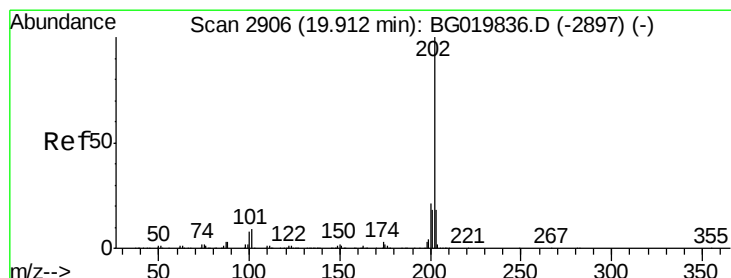
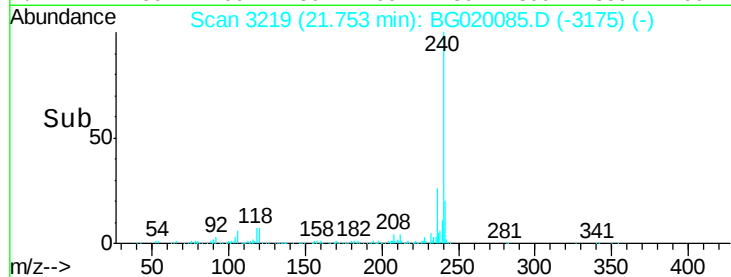
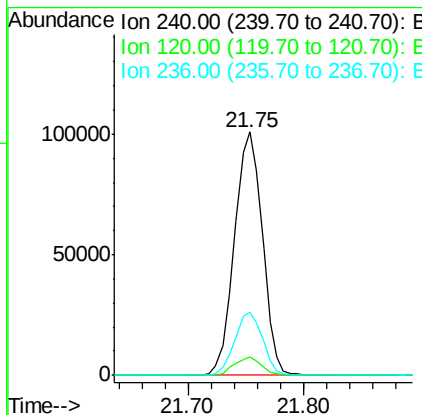
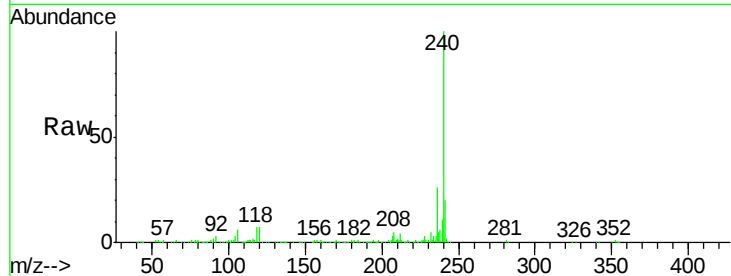
ClientSampleId :

S10-14.5

Tot Ion:	240	Resp:	169175
Ion Ratio	Lower	Upper	
240	100		
120	7.4	7.4	11.0
236	25.9	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 5.60 ng

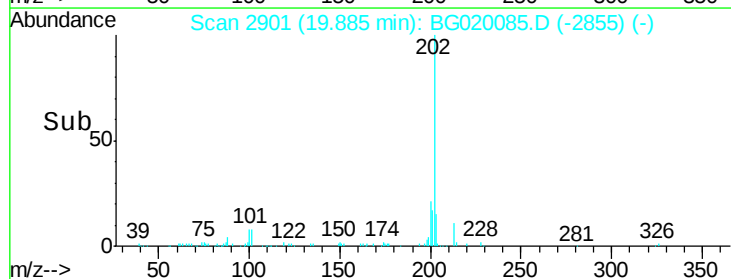
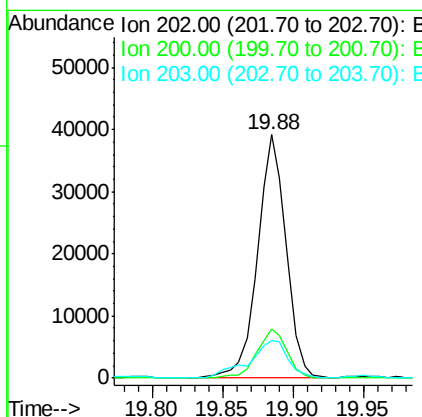
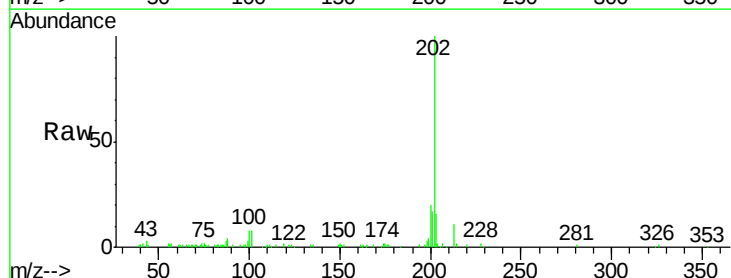
RT: 19.88 min Scan# 2901

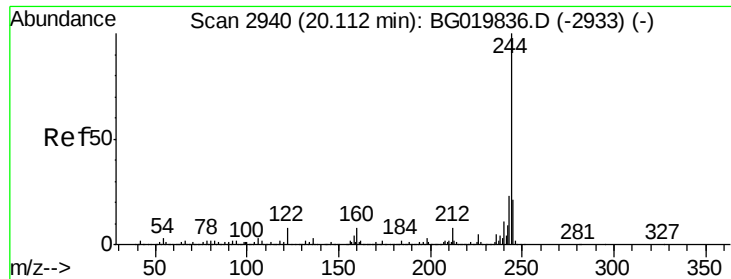
Delta R.T. -0.03 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

Tgt Ion:	202	Resp:	55730
Ion Ratio	Lower	Upper	
202	100		
200	20.4	19.4	29.0
203	15.6	15.5	23.3





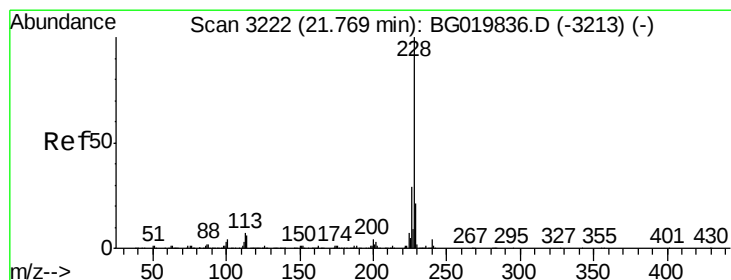
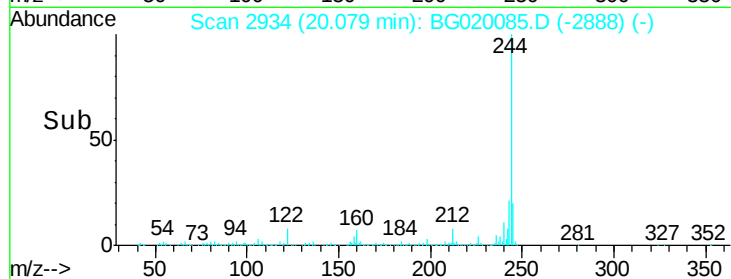
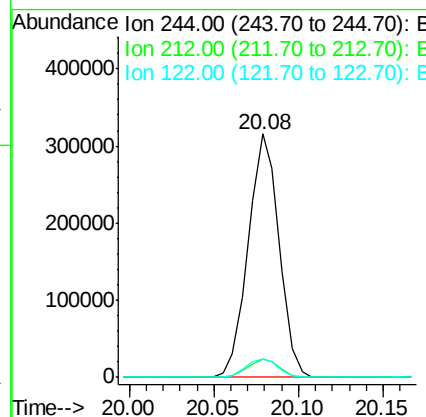
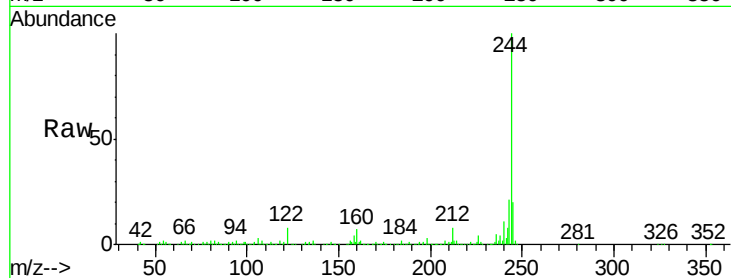
#78
 Terphenyl-d14
 Concen: 57.95 ng
 RT: 20.08 min Scan# 2934
 Delta R.T. -0.03 min
 Lab File: BG020085.D
 Acq: 10 Dec 2015 21:12

Instrument :
 BNA_G
 ClientSampleId :
 S10-14.5

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.7	6.9	10.3
122	7.6	10.2	15.2#

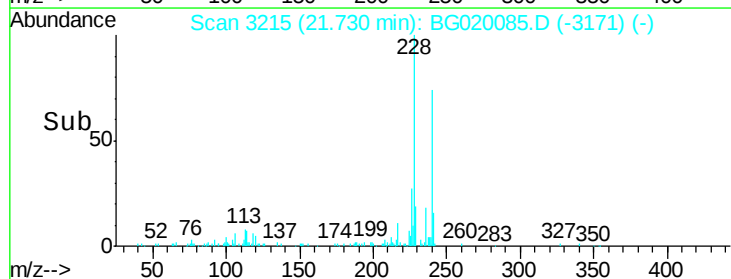
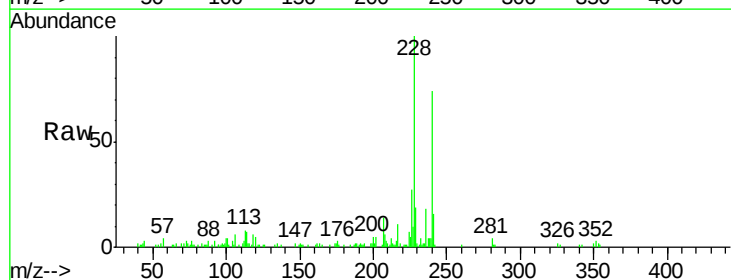
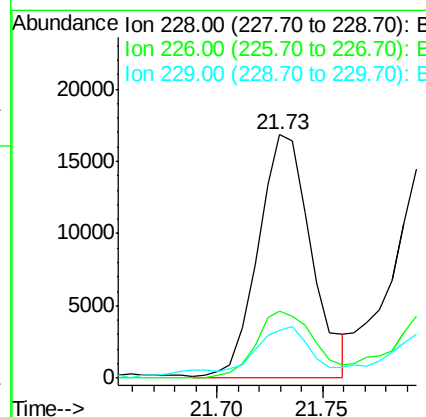
Manual Integrations
 APPROVED

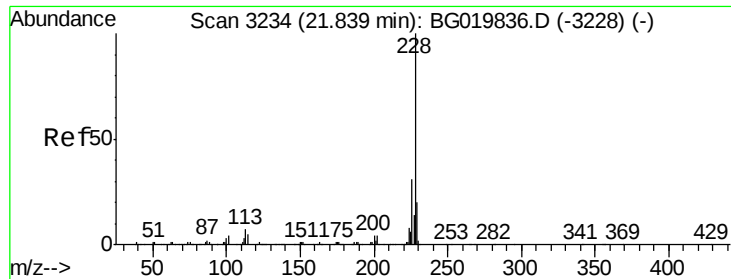
MMdadoda
 12/11/2015 6:02:32 PM



#80
 Benzo(a)anthracene
 Concen: 2.85 ng
 RT: 21.73 min Scan# 3215
 Delta R.T. -0.04 min
 Lab File: BG020085.D
 Acq: 10 Dec 2015 21:12

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	27.4	23.4	35.0
229	19.5	16.6	25.0





#82

Chrysene

Concen: 2.95 ng

RT: 21.80 min Scan# 3227

Delta R.T. -0.04 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

Instrument :

BNA_G

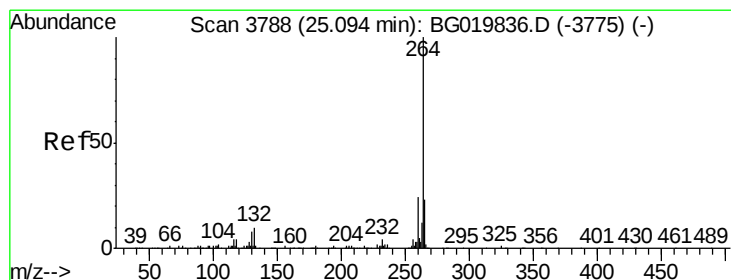
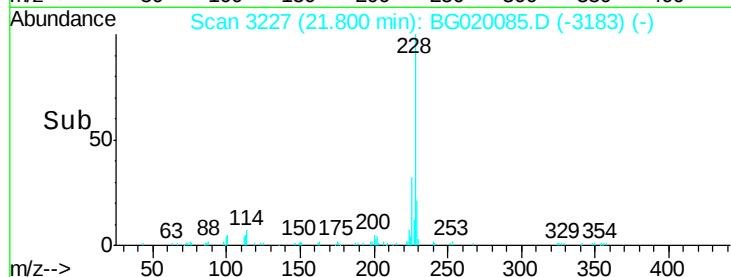
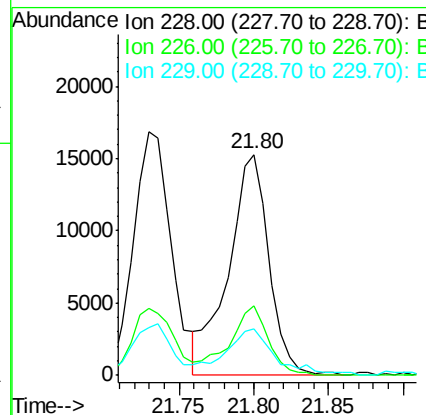
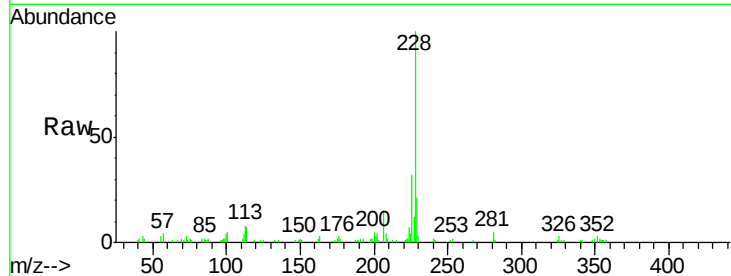
ClientSampleId :

S10-14.5

Tot Ion:	228	Resp:	29035
Ion Ratio	Lower	Upper	
228	100		
226	31.5	26.7	40.1
229	20.8	17.0	25.6

Manual Integrations
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MMdadoda
12/11/2015 6:02:32 PM



#86

Perylene-d12

Concen: 20.00 ng

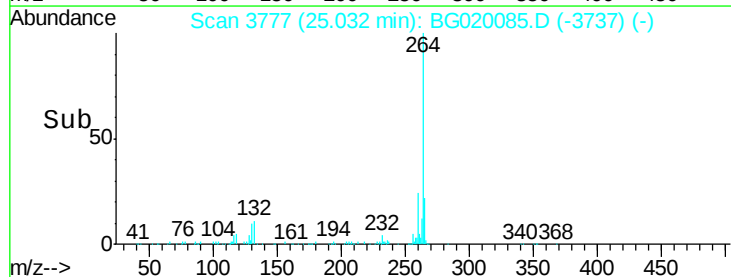
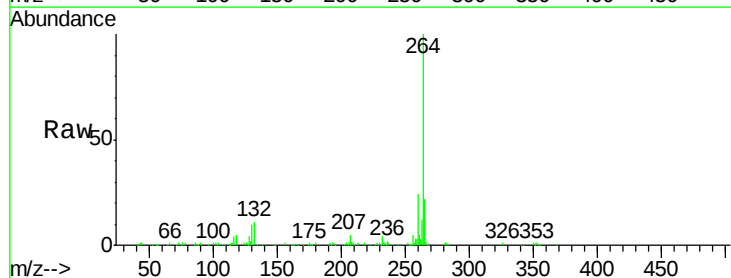
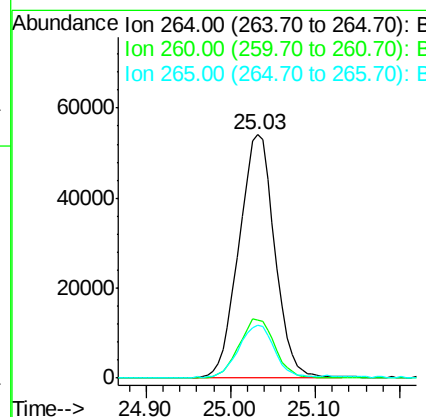
RT: 25.03 min Scan# 3777

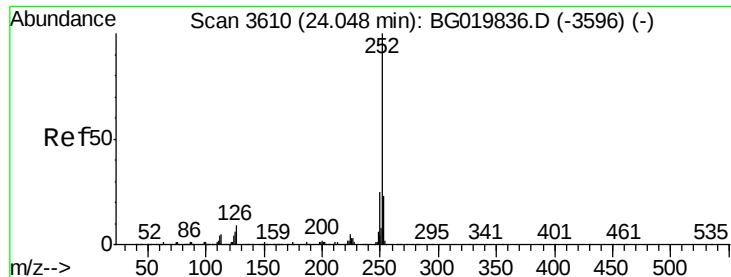
Delta R.T. -0.06 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

Tgt Ion:	264	Resp:	159215
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.5	27.7
265	21.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 3.26 ng

RT: 23.99 min Scan# 3599

Delta R.T. -0.06 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

Instrument :

BNA_G

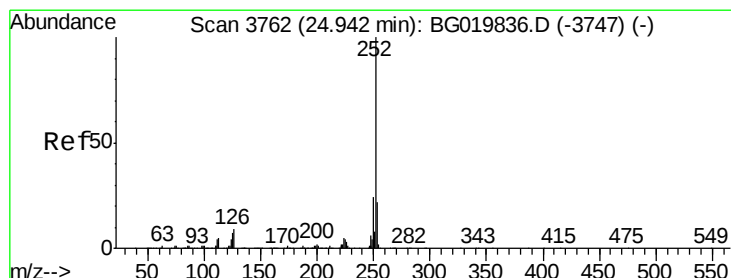
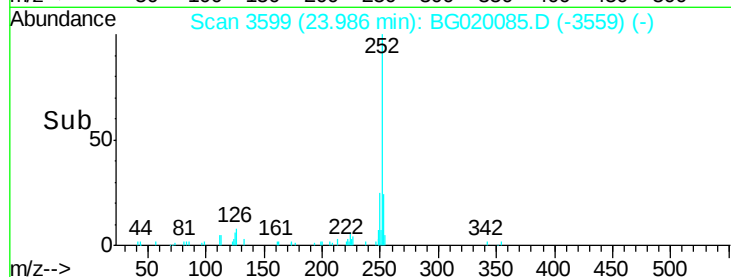
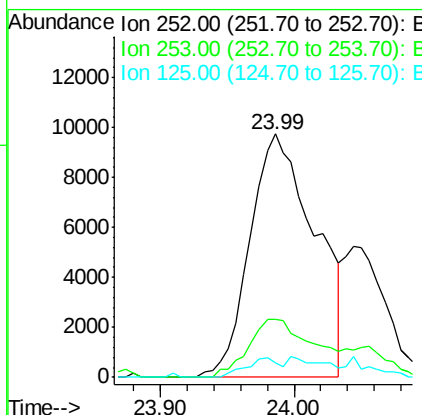
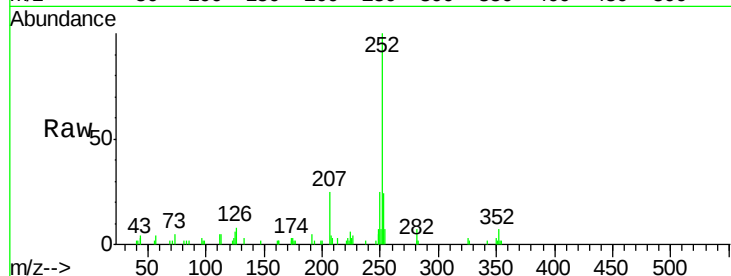
ClientSampleId :

S10-14.5

Tot Ion:	252	Resp:	32923
Ion Ratio	Lower	Upper	
252	100		
253	23.6	19.1	28.7
125	5.7	8.9	13.3#

Manual Integrations
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MMdadoda
12/11/2015 6:02:32 PM



#89

Benzo(a)pyrene

Concen: 2.61 ng m

RT: 24.87 min Scan# 3749

Delta R.T. -0.07 min

Lab File: BG020085.D

Acq: 10 Dec 2015 21:12

Tgt Ion:	252	Resp:	25030
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.7	28.1
125	7.8	9.1	13.7#

