

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
 Data File : BG021172.D
 Acq On : 1 Mar 2016 2:08
 Operator : UM/SJ
 Sample : H1557-02DL 20X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-10DL

Manual Integrations
 APPROVED

Sohil
 3/1/2016 6:50:34 PM

Quant Time: Mar 01 10:33:51 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 29 17:40:25 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	9799	20.00	ng	0.00
21) Naphthalene-d8	10.96	136	53610	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	31848	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	68566	20.00	ng	0.00
75) Chrysene-d12	21.76	240	74500	20.00	ng	0.00
86) Perylene-d12	25.03	264	70171	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	2500	4.06	ng	0.00
7) Phenol-d6	7.30	99	3652	3.60	ng	0.00
23) Nitrobenzene-d5	9.30	82	3028	2.39	ng	-0.02
41) 2,4,6-Tribromophenol	16.23	330	1268m	3.83	ng	-0.01
44) 2-Fluorobiphenyl	13.38	172	6322	2.82	ng	-0.01
78) Terphenyl-d14	20.08	244	8307	2.70	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	17.54	178	50814	13.73	ng	98
71) Anthracene	17.62	178	14612	3.86	ng	95
74) Fluoranthene	19.53	202	202729	46.63	ng	100
77) Pyrene	19.89	202	204466	46.01	ng	98
80) Benzo(a)anthracene	21.74	228	95504	21.65	ng	97
82) Chrysene	21.80	228	88965	21.28	ng	98
87) Benzo(b)fluoranthene	23.99	252	111210	25.20	ng	98
88) Benzo(k)fluoranthene	24.05	252	37236m	8.42	ng	
89) Benzo(a)pyrene	24.87	252	55705	13.05	ng	# 92

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

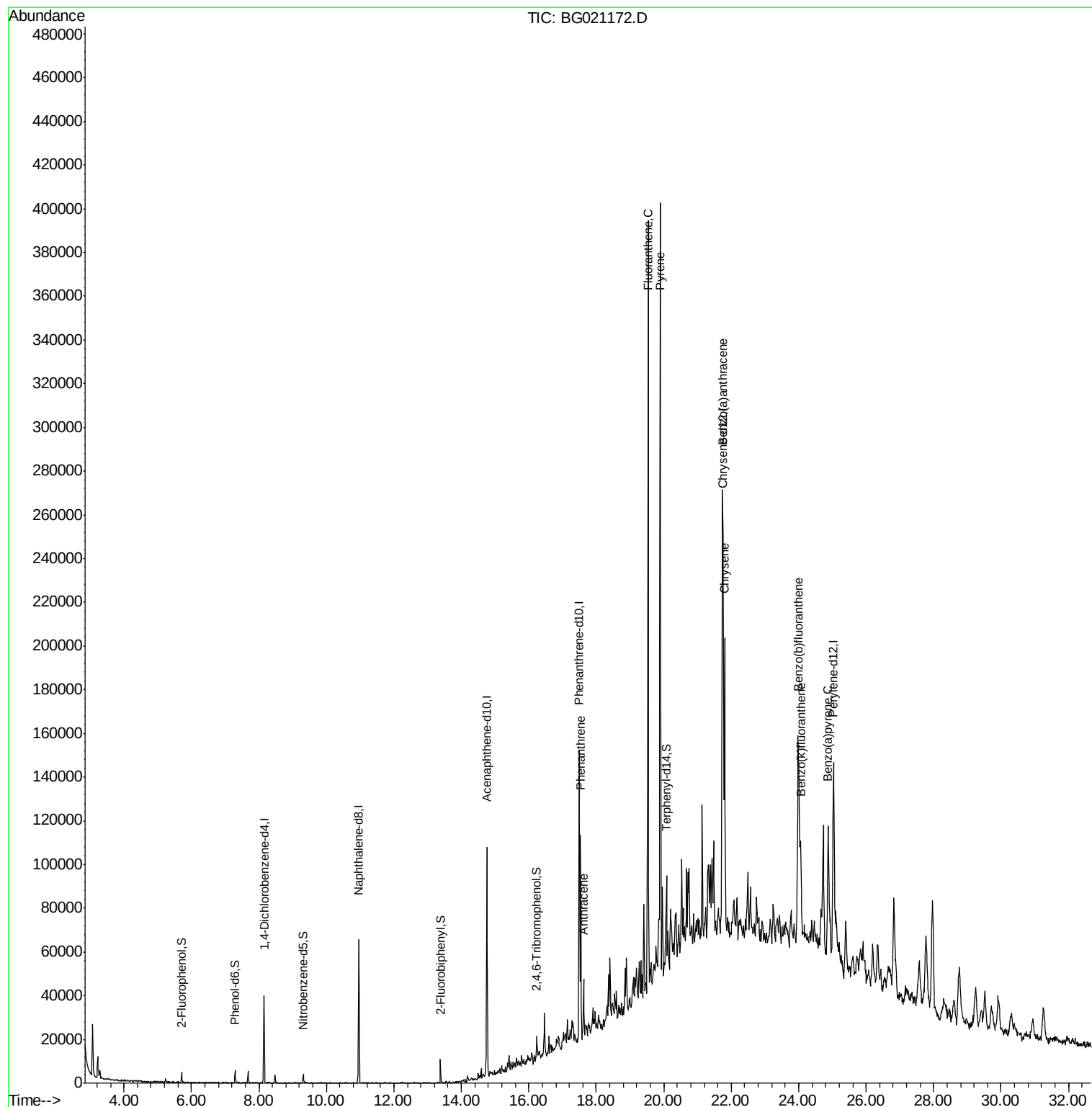
Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
Data File : BG021172.D
Acq On : 1 Mar 2016 2:08
Operator : UM/SJ
Sample : H1557-02DL 20X
Misc :
ALS Vial : 21 Sample Multiplier: 1

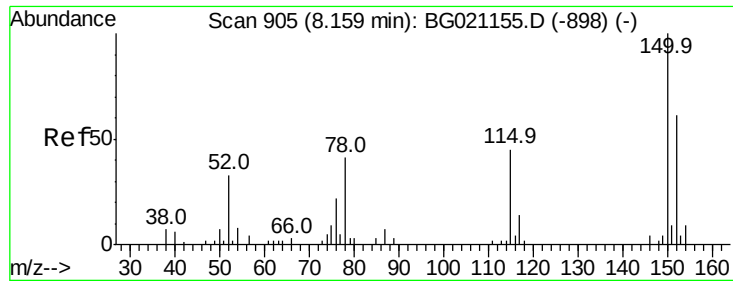
Instrument :
BNA_G
ClientSampleId :
P-10DL

Manual Integrations
APPROVED

Sohil
3/1/2016 6:50:34 PM

Quant Time: Mar 01 10:33:51 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 17:40:25 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 904

Delta R.T. -0.01 min

Lab File: BG021172.D

Acq: 1 Mar 2016 2:08

Instrument :

BNA_G

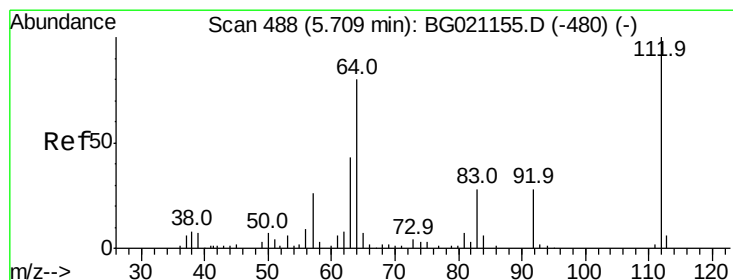
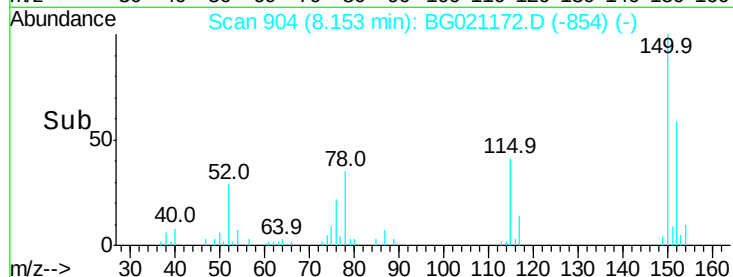
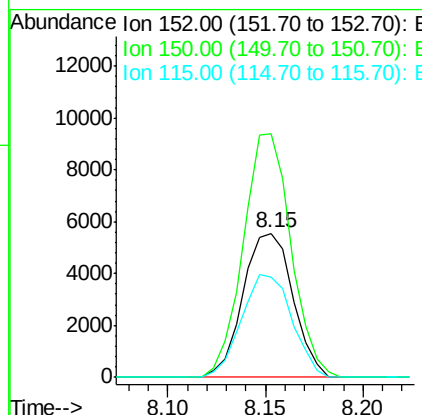
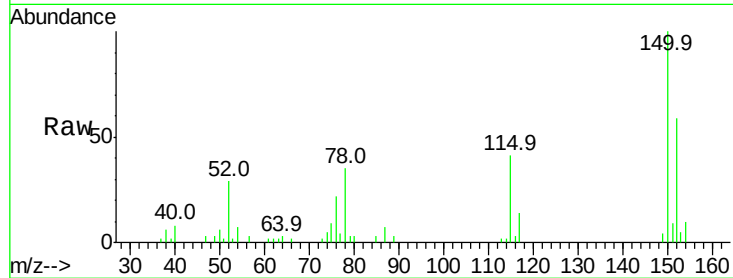
ClientSampleId :

P-10DL

Tot Ion:	152	Resp:	9799
Ion Ratio	Lower	Upper	
152	100		
150	169.4	123.4	185.2
115	69.8	43.3	64.9#

Manual Integrations
APPROVED

Sohil
3/1/2016 6:50:34 PM



#5

2-Fluorophenol

Concen: 4.06 ng

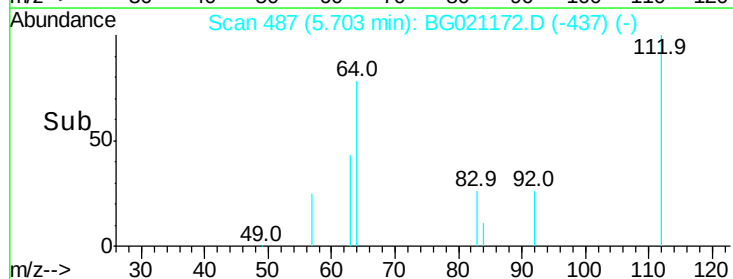
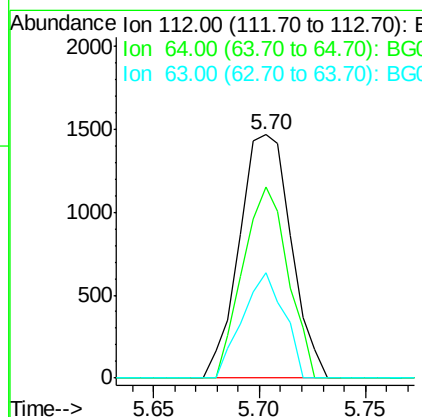
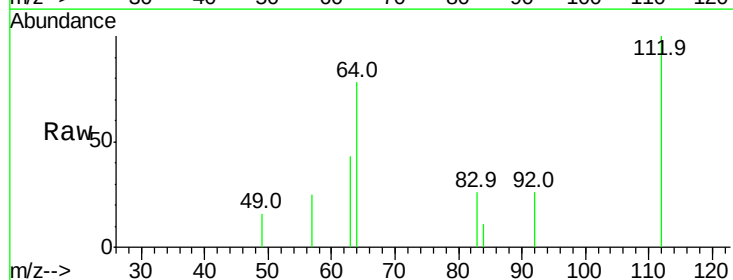
RT: 5.70 min Scan# 487

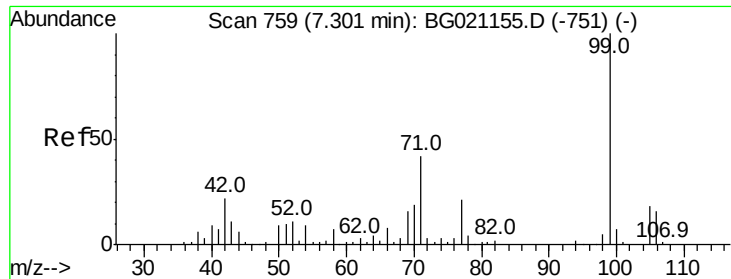
Delta R.T. -0.01 min

Lab File: BG021172.D

Acq: 1 Mar 2016 2:08

Tgt Ion:	112	Resp:	2500
Ion Ratio	Lower	Upper	
112	100		
64	78.4	42.6	63.8#
63	43.4	21.7	32.5#





#7

Phenol-d6

Concen: 3.60 ng

RT: 7.30 min Scan# 758

Delta R.T. -0.01 min

Lab File: BG021172.D

Acq: 1 Mar 2016 2:08

Instrument :

BNA_G

ClientSampleId :

P-10DL

Tot Ion: 99 Resp: 3652

Ion Ratio Lower Upper

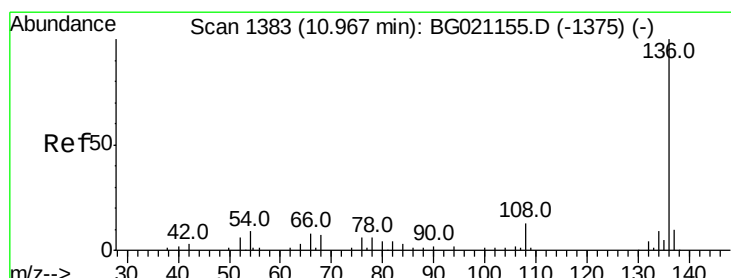
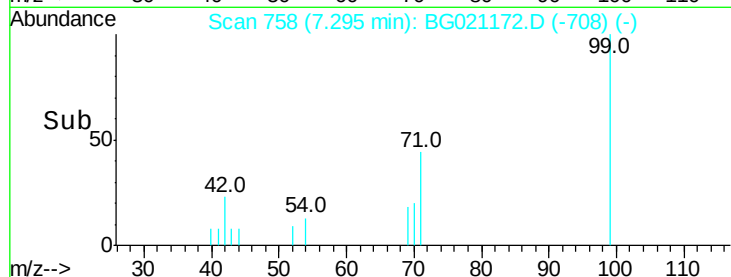
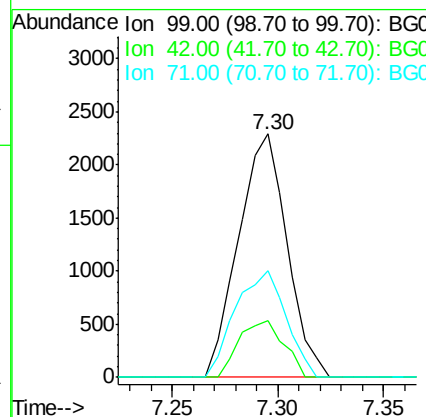
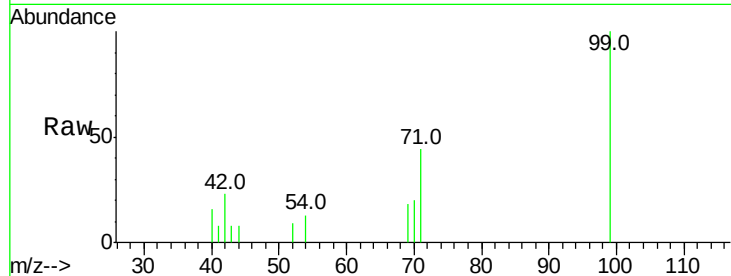
99 100

42 23.4 13.2 19.8#

71 44.0 25.2 37.8#

Manual Integrations
APPROVED

Sohil
3/1/2016 6:50:34 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.96 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BG021172.D

Acq: 1 Mar 2016 2:08

Tgt Ion: 136 Resp: 53610

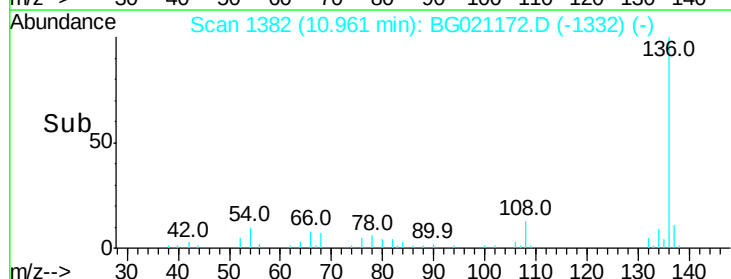
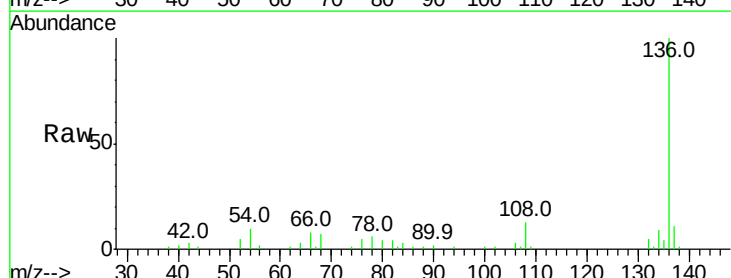
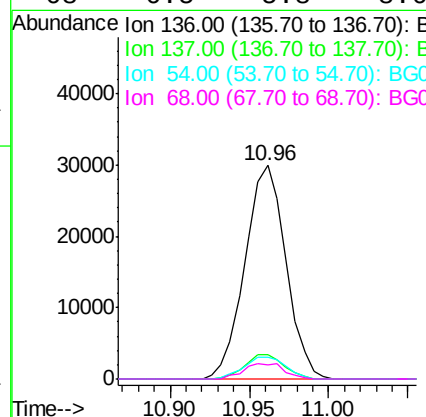
Ion Ratio Lower Upper

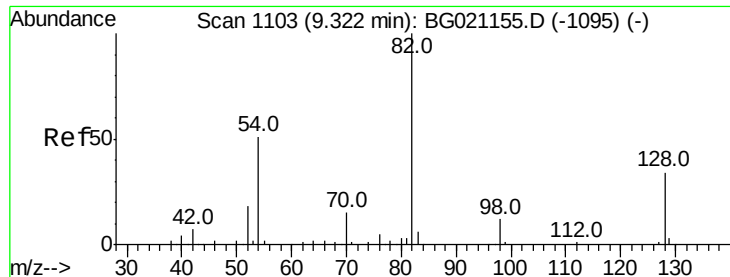
136 100

137 11.2 8.8 13.2

54 10.3 6.9 10.3

68 6.5 5.8 8.6





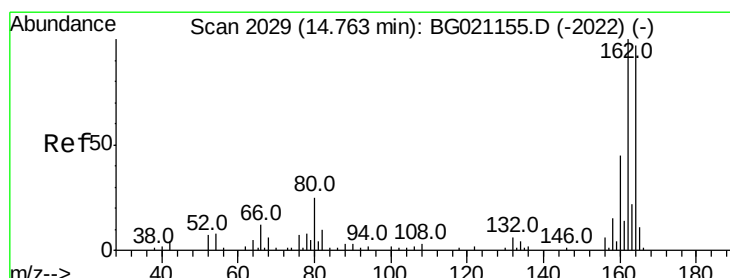
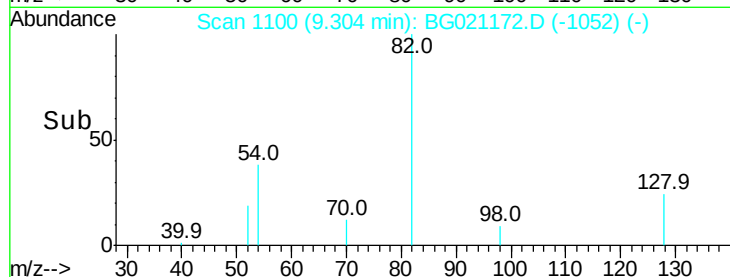
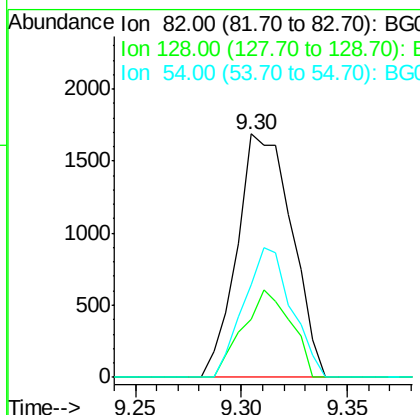
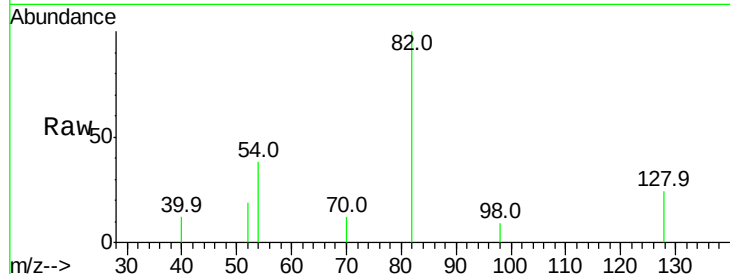
#23
Nitrobenzene-d5
Concen: 2.39 ng
RT: 9.30 min Scan# 1100
Delta R.T. -0.02 min
Lab File: BG021172.D
Acq: 1 Mar 2016 2:08

Instrument :
BNA_G
ClientSampled :
P-10DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	24.0	36.3	54.5#
54	37.8	37.6	56.4

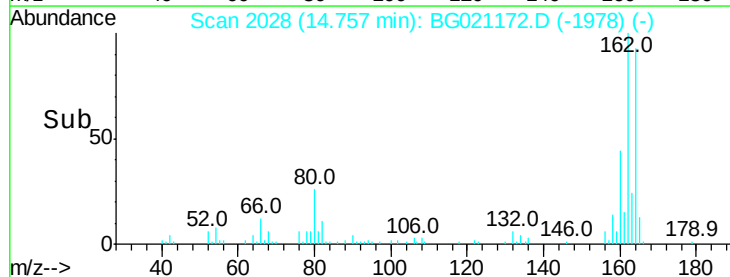
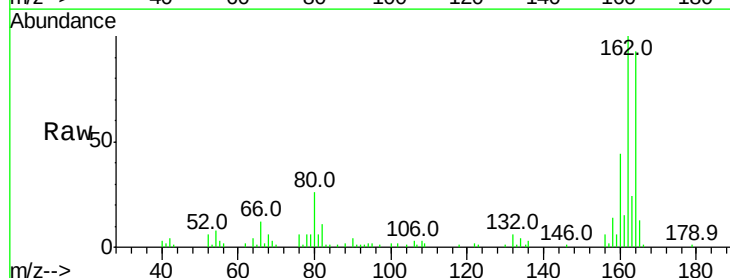
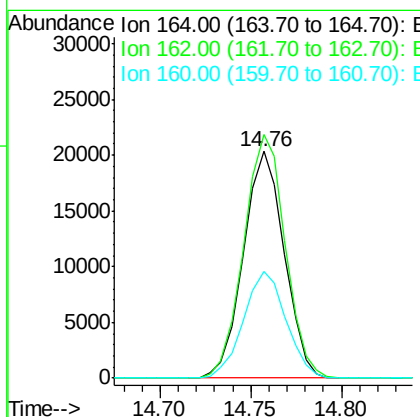
Manual Integrations
APPROVED

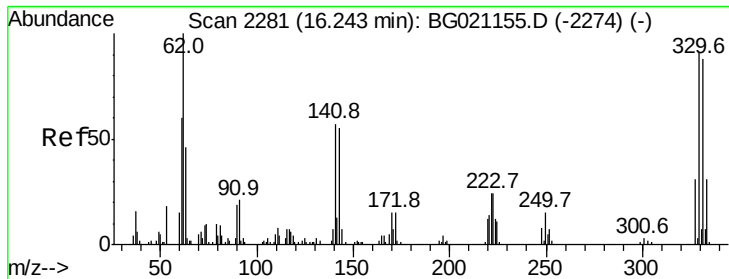
Sohil
3/1/2016 6:50:34 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BG021172.D
Acq: 1 Mar 2016 2:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.5	80.6	120.8
160	47.3	36.5	54.7





#41

2,4,6-Tribromophenol

Concen: 3.83 ng/mL

RT: 16.23 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BG021172.D

Acq: 1 Mar 2016 2:08

Instrument :

BNA_G

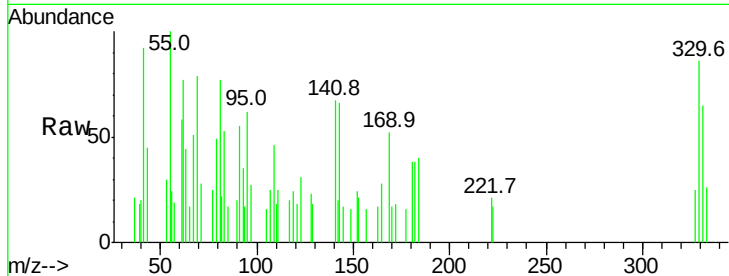
ClientSampleID :

P-10DL

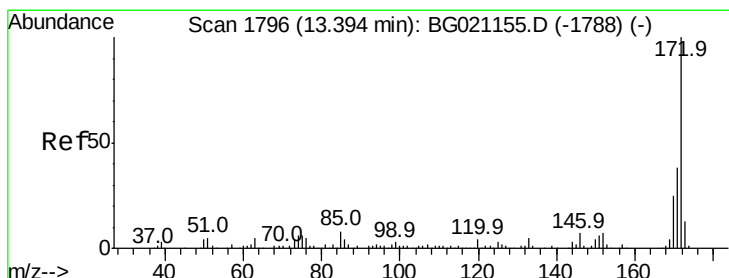
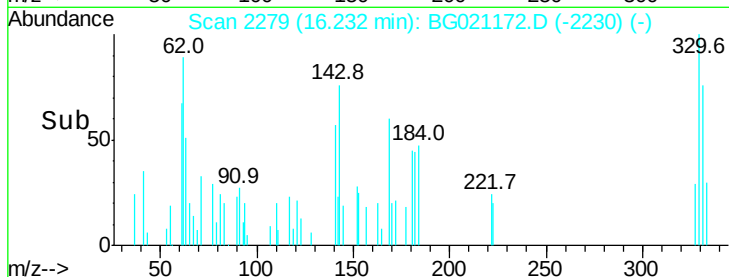
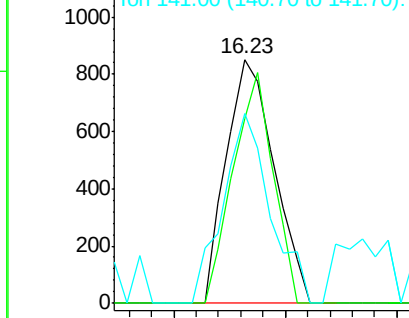
Tot Ion:	330	Resp:	1268
Ion Ratio	Lower	Upper	
330	100		
332	0.0	77.4	116.0#
141	0.0	35.3	52.9#

Manual Integrations
APPROVED

Sohil
3/1/2016 6:50:34 PM



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 2.82 ng/mL

RT: 13.38 min Scan# 1794

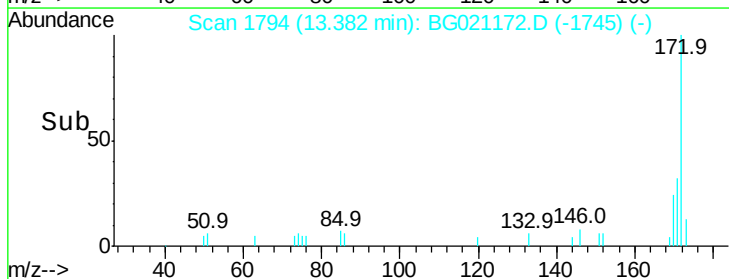
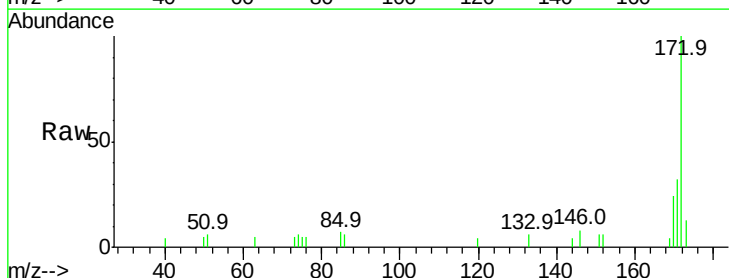
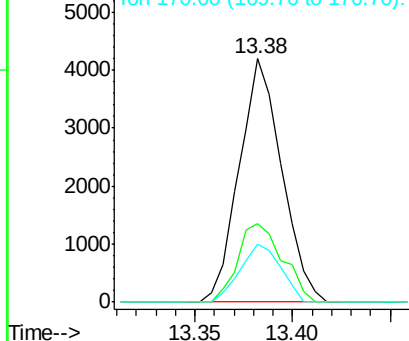
Delta R.T. -0.01 min

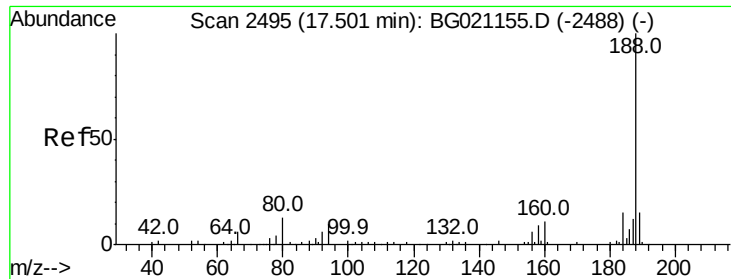
Lab File: BG021172.D

Acq: 1 Mar 2016 2:08

Tgt Ion:	172	Resp:	6322
Ion Ratio	Lower	Upper	
172	100		
171	32.0	29.4	44.0
170	24.0	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BG021172.D

Acq: 1 Mar 2016 2:08

Instrument :

BNA_G

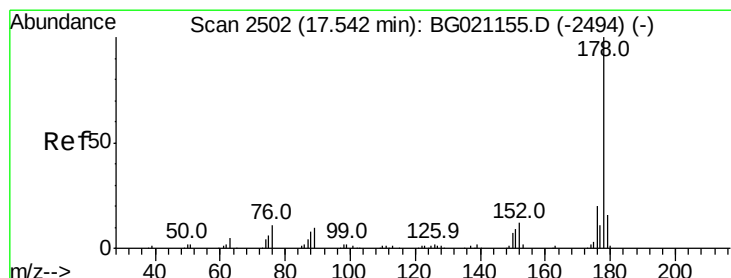
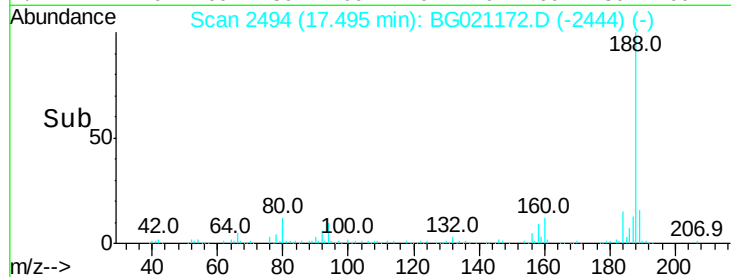
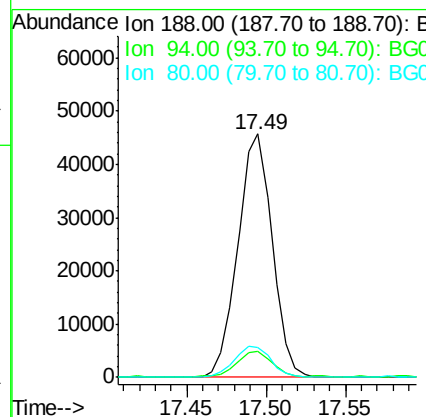
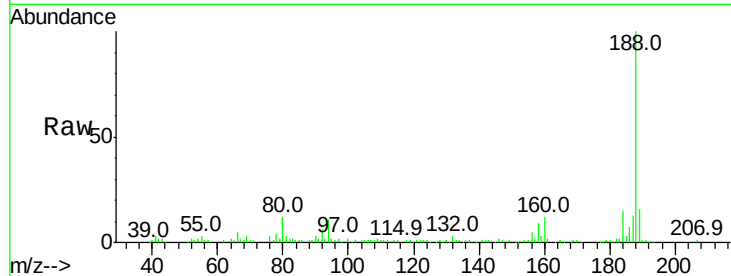
ClientSampleId :

P-10DL

Tot Ion:	188	Resp:	68566
Ion Ratio	Lower	Upper	
188	100		
94	10.8	8.2	12.4
80	12.2	9.2	13.8

Manual Integrations
APPROVED

Sohil
3/1/2016 6:50:34 PM



#70

Phenanthrene

Concen: 13.73 ng

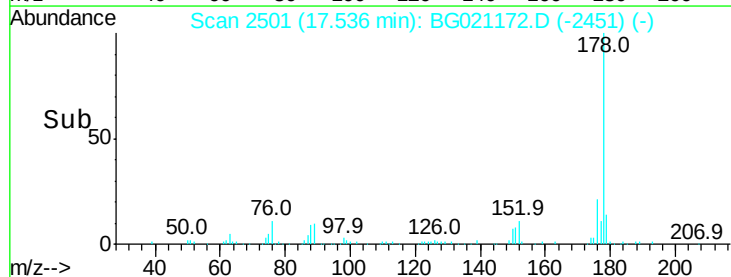
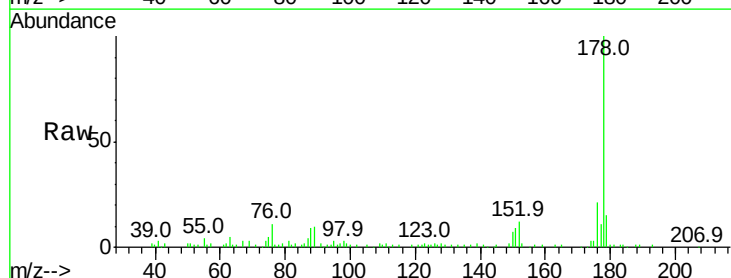
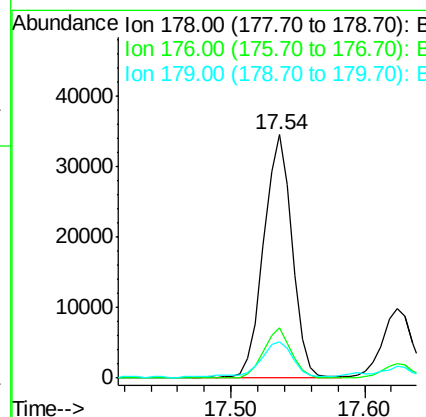
RT: 17.54 min Scan# 2501

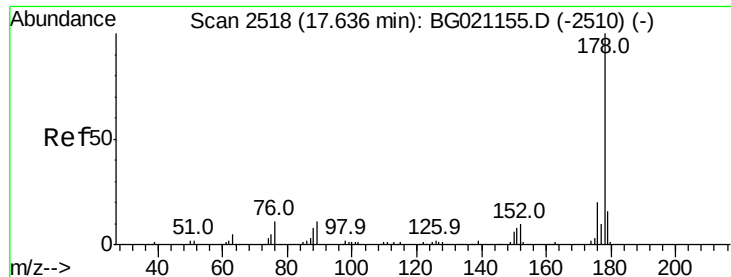
Delta R.T. -0.01 min

Lab File: BG021172.D

Acq: 1 Mar 2016 2:08

Tgt Ion:	178	Resp:	50814
Ion Ratio	Lower	Upper	
178	100		
176	20.6	16.2	24.4
179	14.8	12.9	19.3





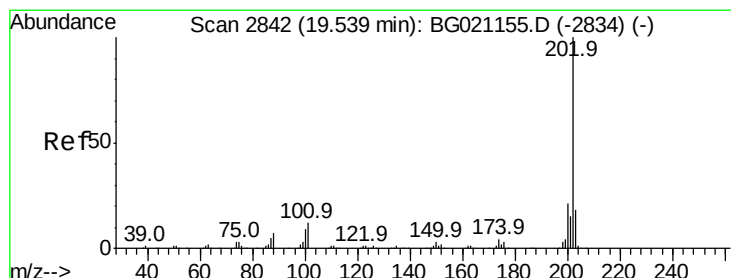
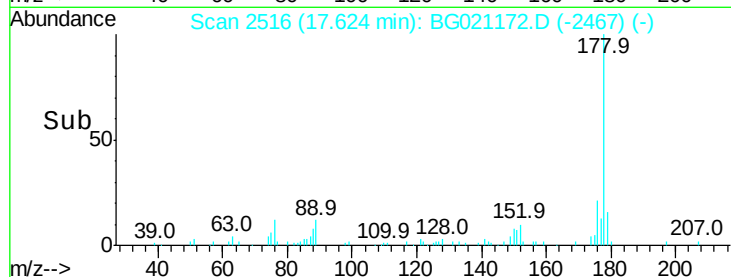
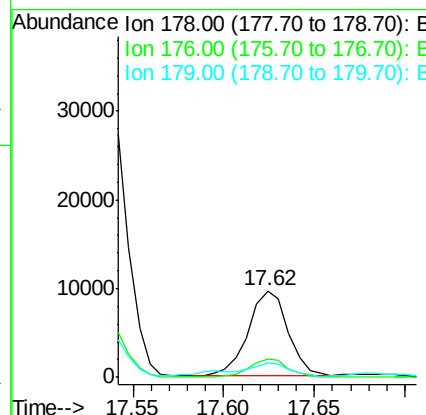
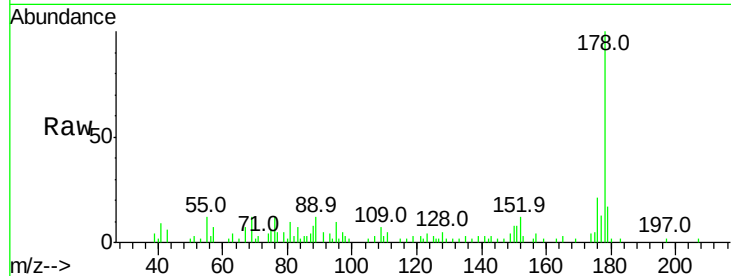
#71
 Anthracene
 Concen: 3.86 ng
 RT: 17.62 min Scan# 2516
 Delta R.T. -0.01 min
 Lab File: BG021172.D
 Acq: 1 Mar 2016 2:08

Instrument :
 BNA_G
 ClientSampled :
 P-10DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.1	14.8	22.2
179	17.5	12.6	19.0

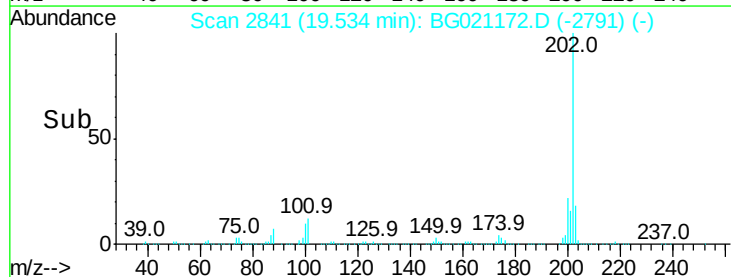
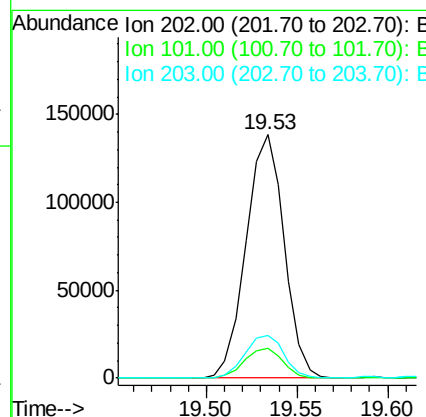
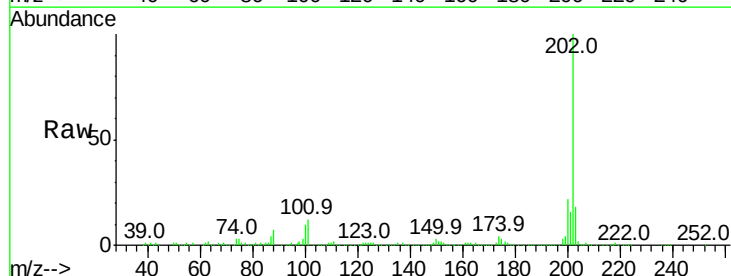
Manual Integrations
 APPROVED

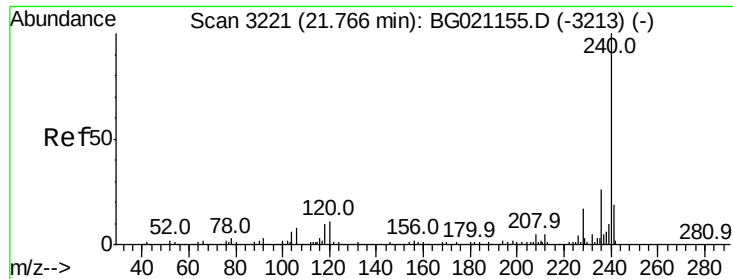
Sohil
 3/1/2016 6:50:34 PM



#74
 Fluoranthene
 Concen: 46.63 ng
 RT: 19.53 min Scan# 2841
 Delta R.T. -0.01 min
 Lab File: BG021172.D
 Acq: 1 Mar 2016 2:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.5
203	17.6	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.76 min Scan# 3220

Delta R.T. -0.01 min

Lab File: BG021172.D

Acq: 1 Mar 2016 2:08

Instrument :

BNA_G

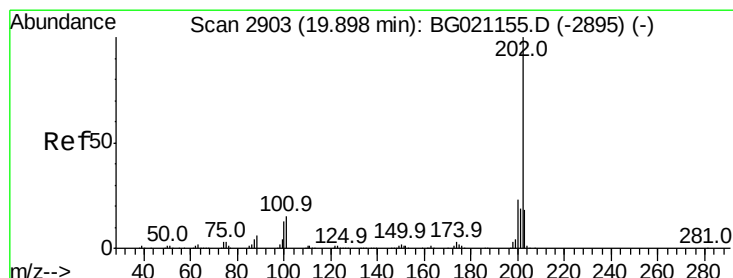
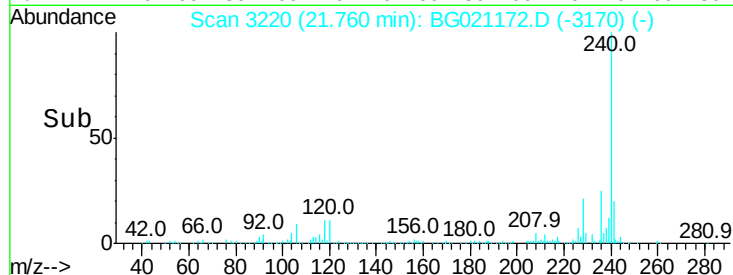
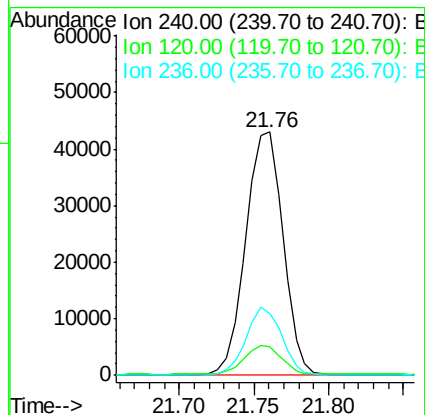
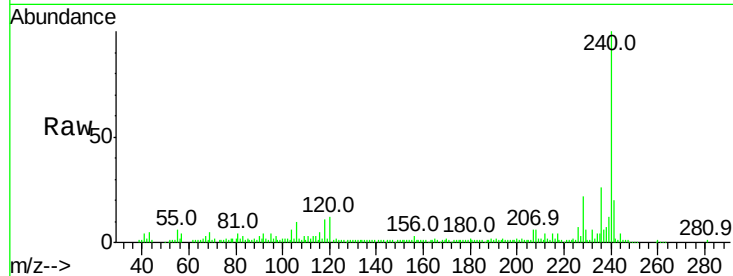
ClientSampleId :

P-10DL

Tot Ion:	240	Resp:	74500
Ion Ratio	Lower	Upper	
240	100		
120	11.6	7.5	11.3#
236	25.6	20.5	30.7

Manual Integrations
APPROVED

Sohil
3/1/2016 6:50:34 PM



#77

Pyrene

Concen: 46.01 ng

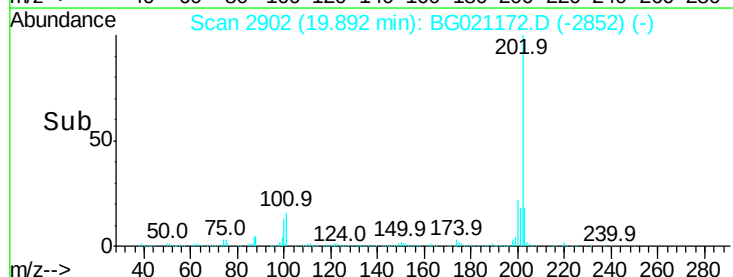
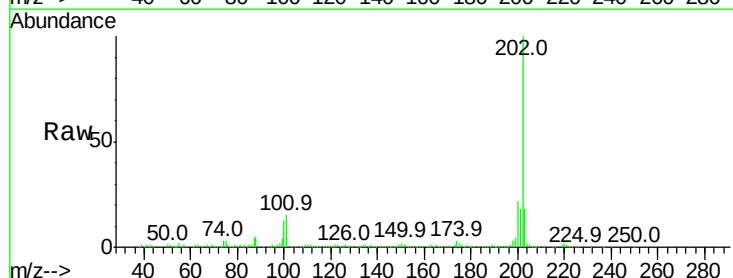
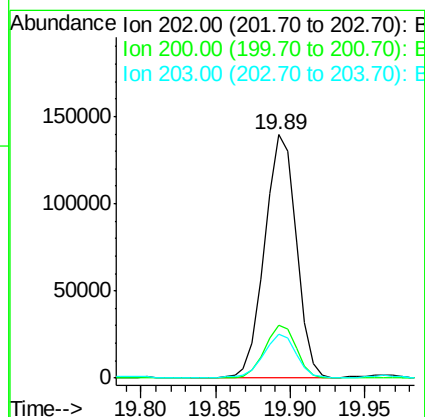
RT: 19.89 min Scan# 2902

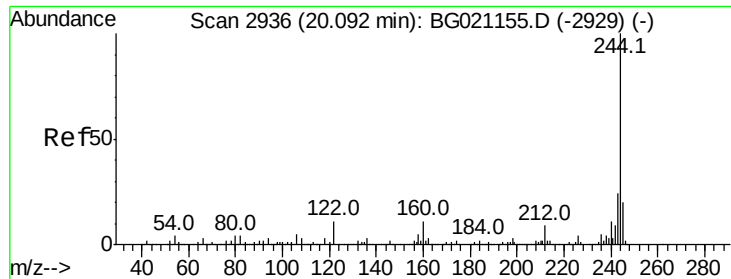
Delta R.T. -0.01 min

Lab File: BG021172.D

Acq: 1 Mar 2016 2:08

Tgt Ion:	202	Resp:	204466
Ion Ratio	Lower	Upper	
202	100		
200	21.9	16.6	25.0
203	18.3	13.8	20.8





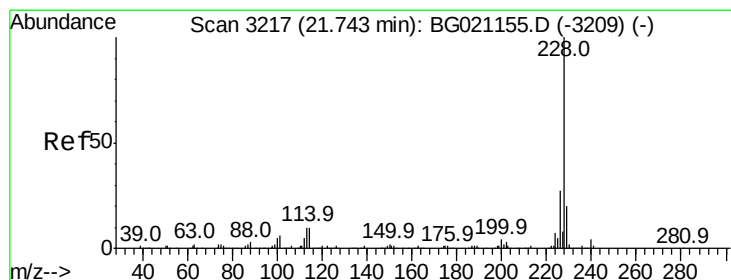
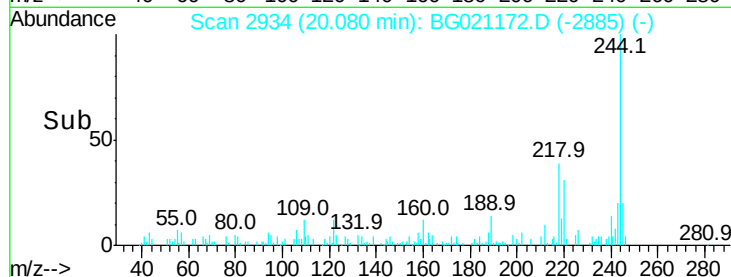
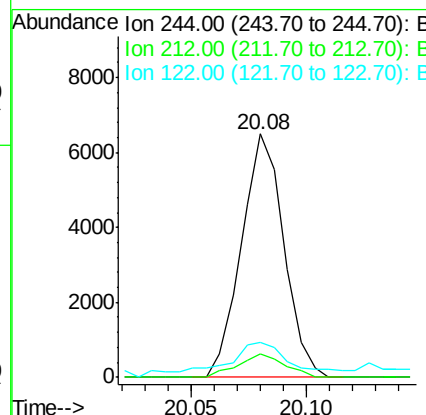
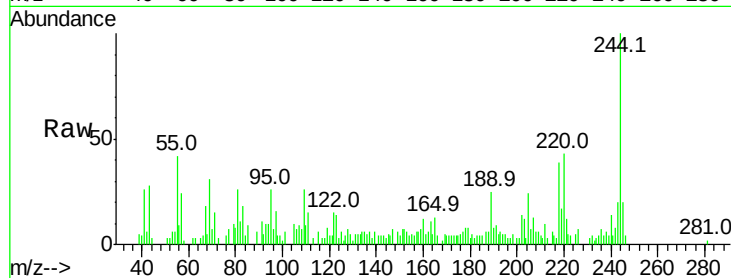
#78
 Terphenyl-d14
 Concen: 2.70 ng
 RT: 20.08 min Scan# 2934
 Delta R.T. -0.01 min
 Lab File: BG021172.D
 Acq: 1 Mar 2016 2:08

Instrument :
 BNA_G
 ClientSampled :
 P-10DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.8	5.8	8.6#
122	14.5	8.3	12.5#

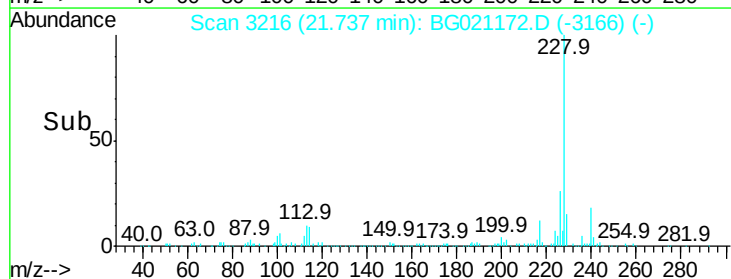
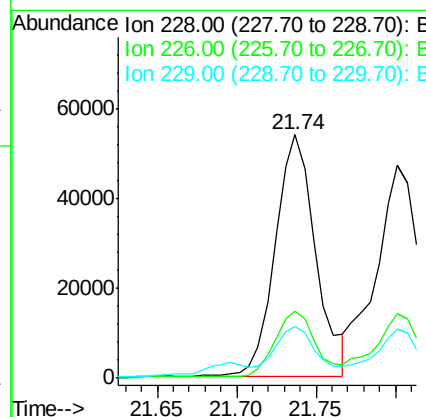
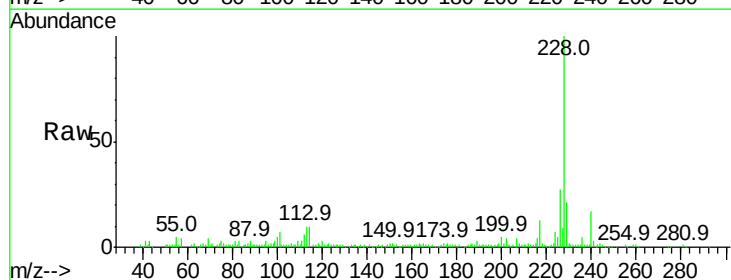
Manual Integrations
 APPROVED

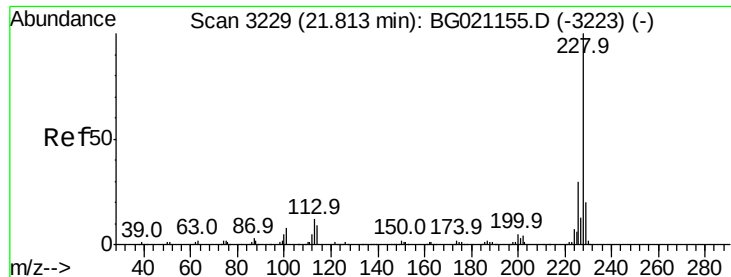
Sohil
 3/1/2016 6:50:34 PM



#80
 Benzo(a)anthracene
 Concen: 21.65 ng
 RT: 21.74 min Scan# 3216
 Delta R.T. -0.01 min
 Lab File: BG021172.D
 Acq: 1 Mar 2016 2:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.7	34.1
229	21.5	15.5	23.3





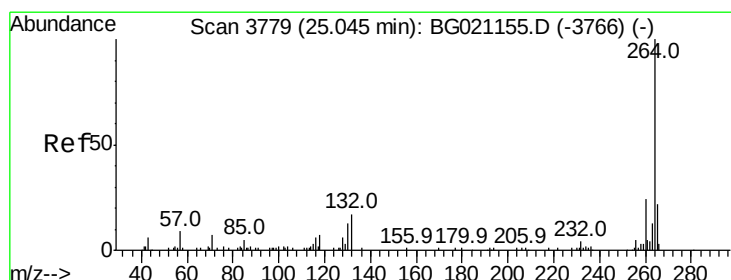
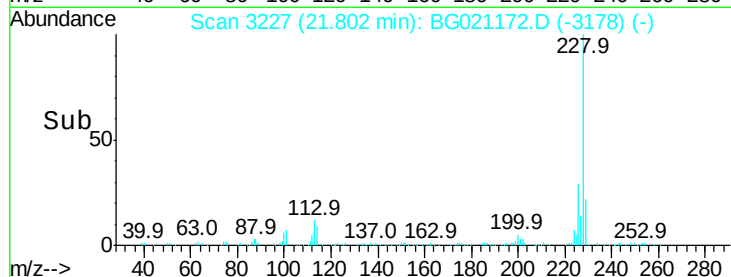
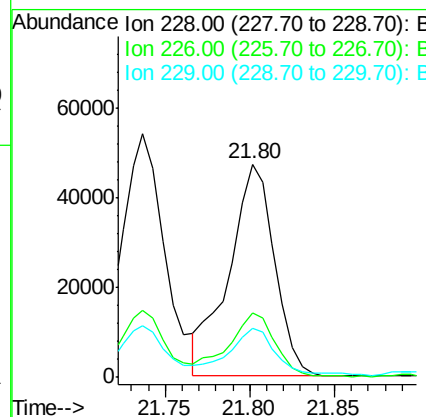
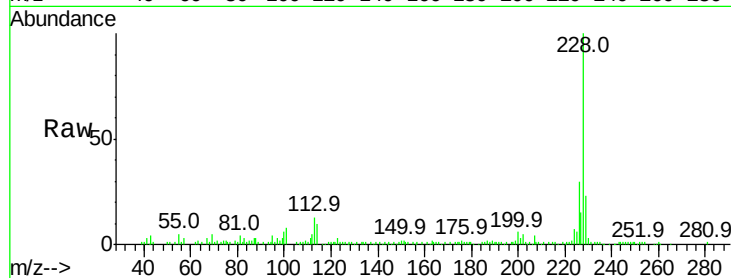
#82
Chrysene
Concen: 21.28 ng
RT: 21.80 min Scan# 3227
Delta R.T. -0.01 min
Lab File: BG021172.D
Acq: 1 Mar 2016 2:08

Instrument :
BNA_G
ClientSampleId :
P-10DL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	88965		
226	30.0		23.7	35.5
229	22.8		16.7	25.1

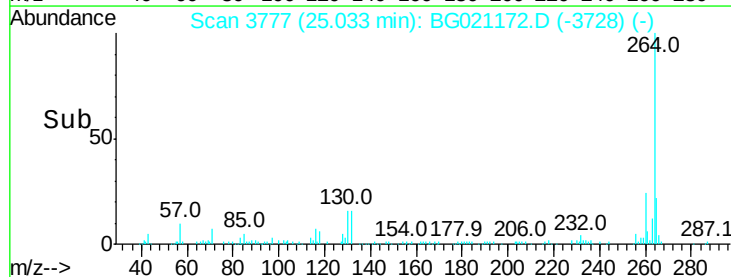
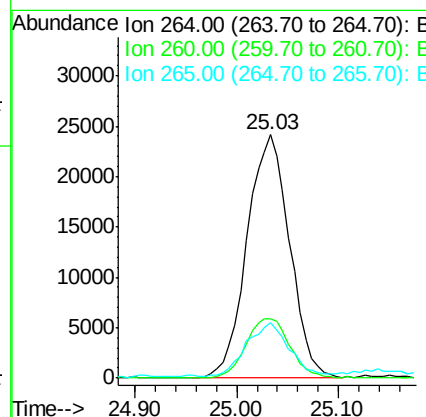
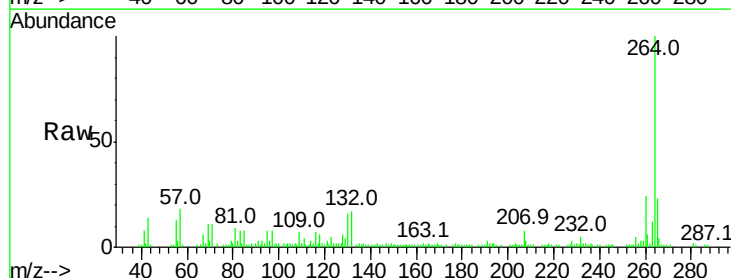
Manual Integrations
APPROVED

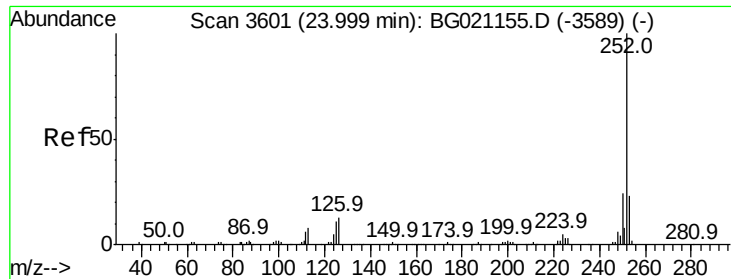
Sohil
3/1/2016 6:50:34 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.03 min Scan# 3777
Delta R.T. -0.01 min
Lab File: BG021172.D
Acq: 1 Mar 2016 2:08

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	70171		
260	24.2		18.5	27.7
265	22.6		18.6	28.0





#87

Benzo(b)fluoranthene

Concen: 25.20 ng

RT: 23.99 min Scan# 3599

Delta R.T. -0.01 min

Lab File: BG021172.D

Acq: 1 Mar 2016 2:08

Instrument :

BNA_G

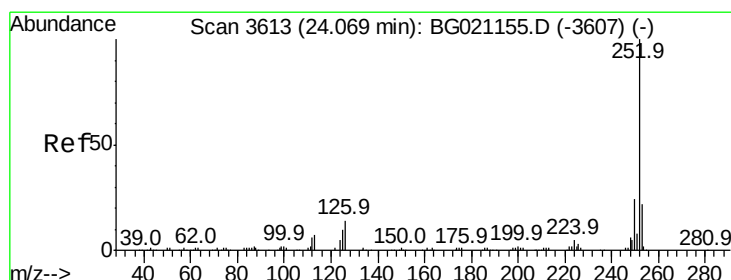
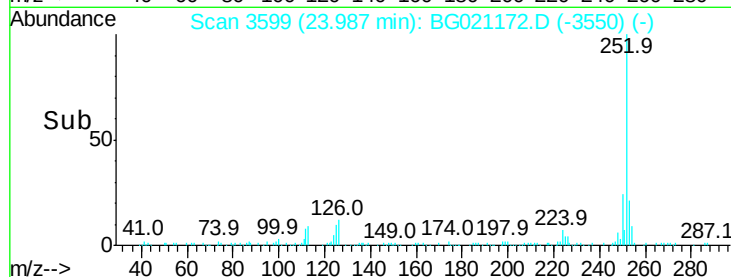
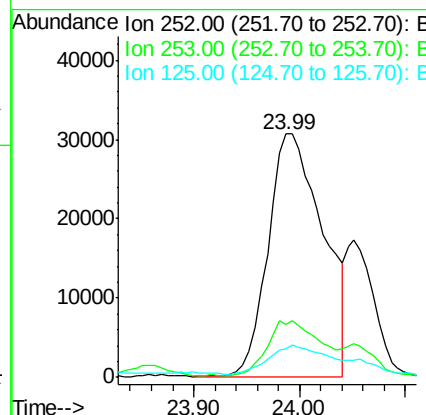
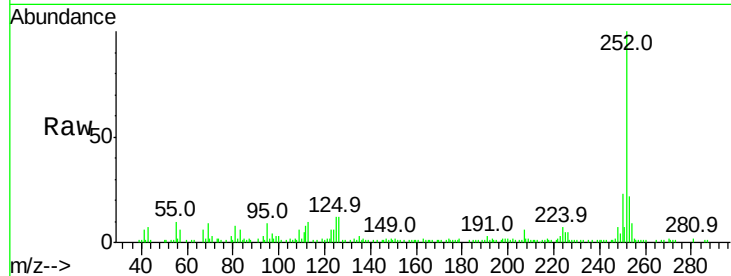
ClientSampleId :

P-10DL

Tot Ion:	252	Resp:	111210
Ion Ratio	Lower	Upper	
252	100		
253	21.5	16.8	25.2
125	11.9	8.2	12.2

Manual Integrations
APPROVED

Sohil
3/1/2016 6:50:34 PM



#88

Benzo(k)fluoranthene

Concen: 8.42 ng m

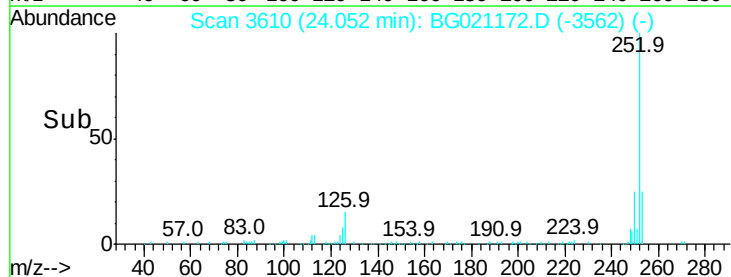
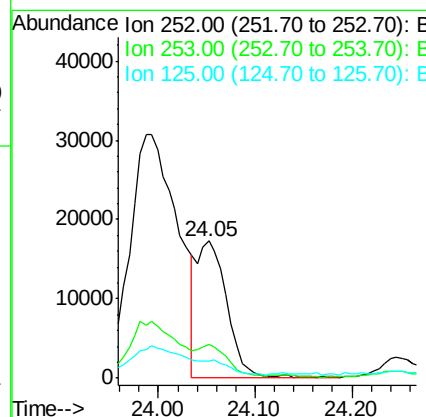
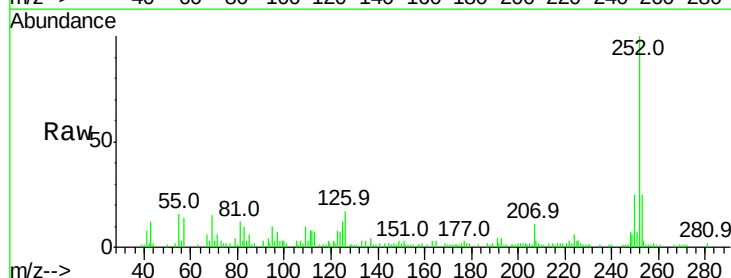
RT: 24.05 min Scan# 3610

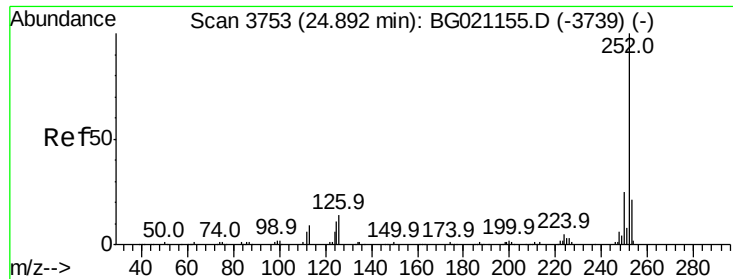
Delta R.T. -0.02 min

Lab File: BG021172.D

Acq: 1 Mar 2016 2:08

Tgt Ion:	252	Resp:	37236
Ion Ratio	Lower	Upper	
252	100		
253	24.8	16.4	24.6#
125	12.2	8.2	12.2





#89

Benzo(a)pyrene

Concen: 13.05 ng

RT: 24.87 min Scan# 3750

Delta R.T. -0.02 min

Lab File: BG021172.D

Acq: 1 Mar 2016 2:08

Instrument :

BNA_G

ClientSampleId :

P-10DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.9	15.8	23.8#
125	12.4	8.4	12.6

Manual Integrations
APPROVED

Sohil
3/1/2016 6:50:34 PM

