

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
 Data File : BG021787.D
 Acq On : 20 Apr 2016 16:24
 Operator : UM/SJ
 Sample : H2413-02 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-B-2(0-2)

Manual Integrations
 APPROVED

Sohil
 4/21/2016 10:37:57 AM

Quant Time: Apr 21 02:33:48 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	8.21	152	45540	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	194176	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	109697	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	225062	20.00	ng	0.00
75) Chrysene-d12	21.84	240	246026	20.00	ng	0.00
86) Perylene-d12	25.18	264	173316	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	156842	57.35	ng	0.00
7) Phenol-d6	7.37	99	225379	55.17	ng	0.00
23) Nitrobenzene-d5	9.38	82	140240	37.12	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	66941	56.62	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	278507	37.20	ng	0.00
78) Terphenyl-d14	20.15	244	305836	31.02	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.27	163	51310	5.41	ng	97
70) Phenanthrene	17.60	178	35910	2.90	ng	96
74) Fluoranthene	19.59	202	98531	6.65	ng	99
77) Pyrene	19.96	202	92850	6.55	ng	99
80) Benzo(a)anthracene	21.82	228	53719m	3.79	ng	
82) Chrysene	21.89	228	49864	3.67	ng	# 94
87) Benzo(b)fluoranthene	24.12	252	50989	5.07	ng	# 85
88) Benzo(k)fluoranthene	24.17	252	30604m	3.11	ng	
89) Benzo(a)pyrene	25.02	252	32400	3.33	ng	# 80

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

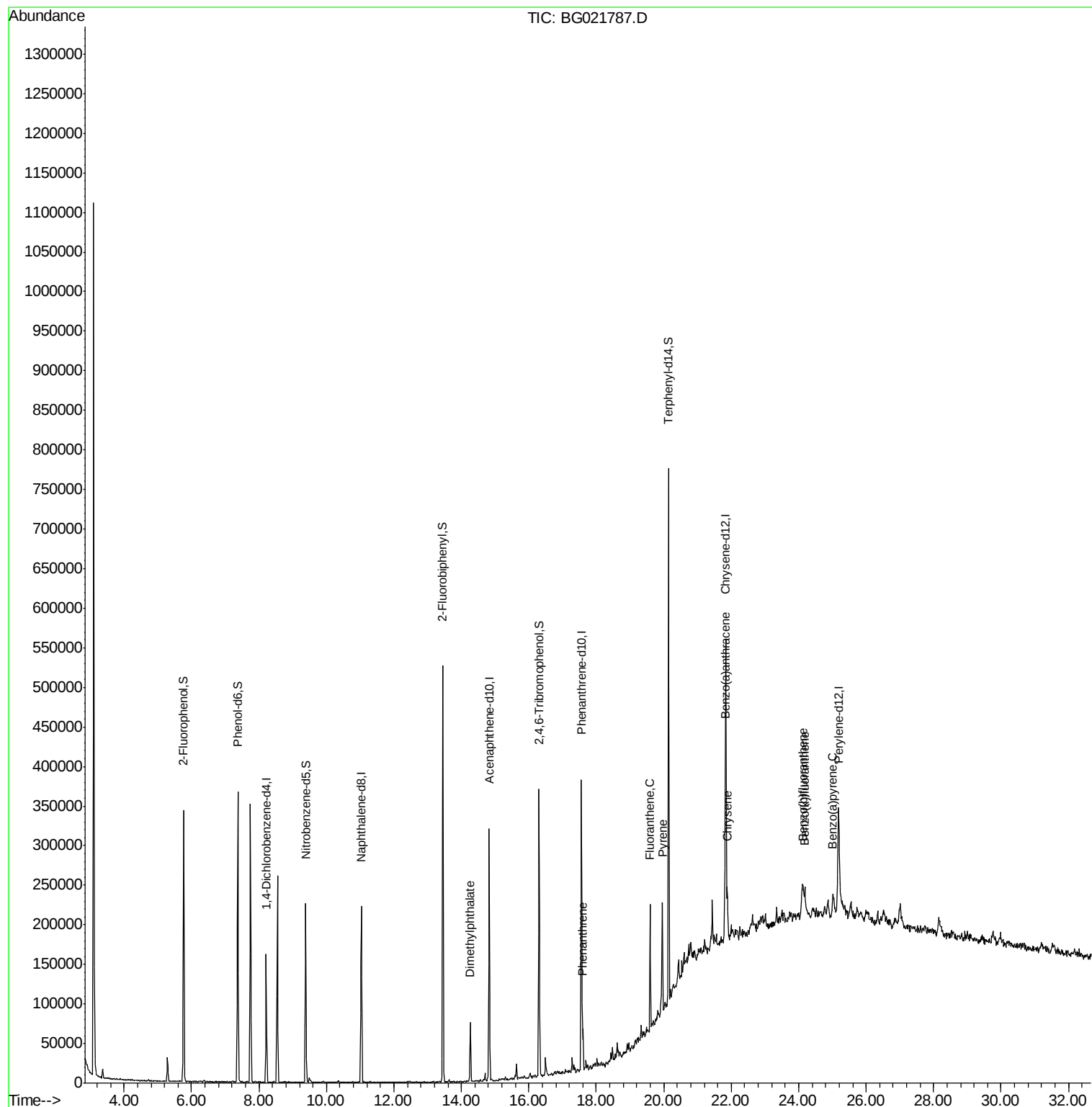
Data Path : Z:\HPCHEM1\BNA G\DATA\BG042116\
Data File : BG021787.D
Acq On : 20 Apr 2016 16:24
Operator : UM/SJ
Sample : H2413-02 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP-2-B-2(0-2)

Manual Integrations
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Quant Time: Apr 21 02:33:48 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





#1

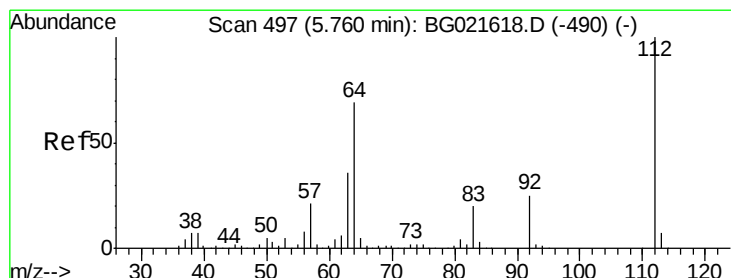
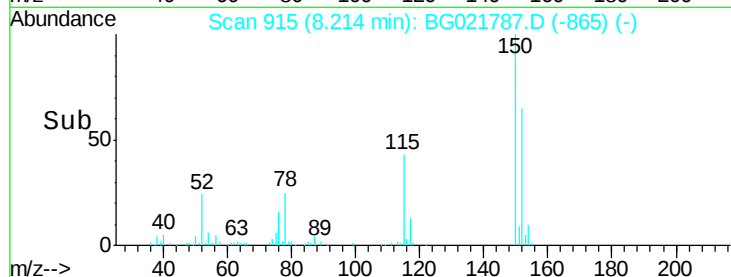
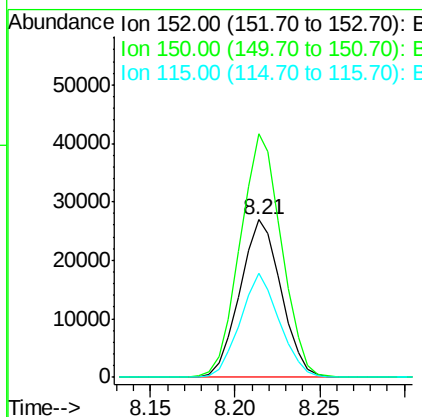
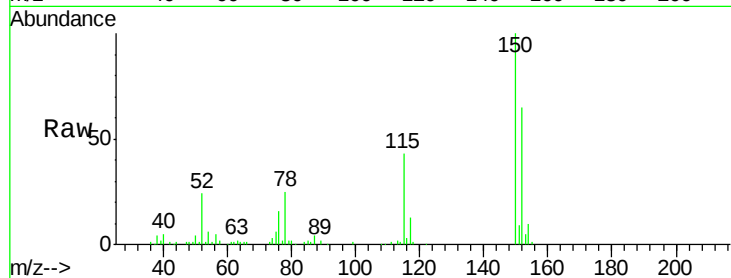
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 915
Delta R.T. -0.01 min
Lab File: BG021787.D
Acq: 20 Apr 2016 16:24

Instrument :
BNA_G
ClientSampleId :
SP-2-B-2(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	130.1	195.1
115	65.7	62.2	93.2

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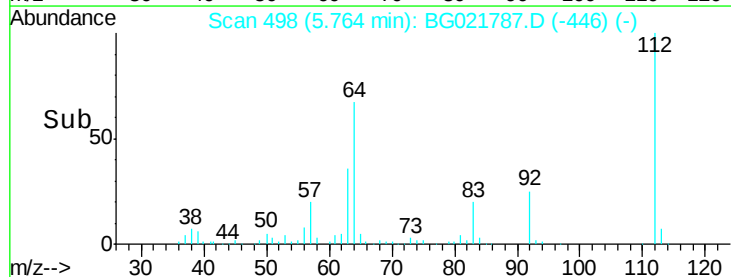
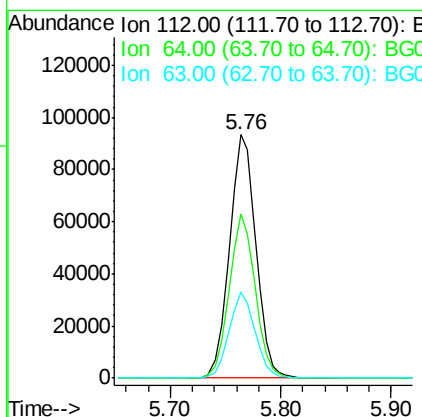
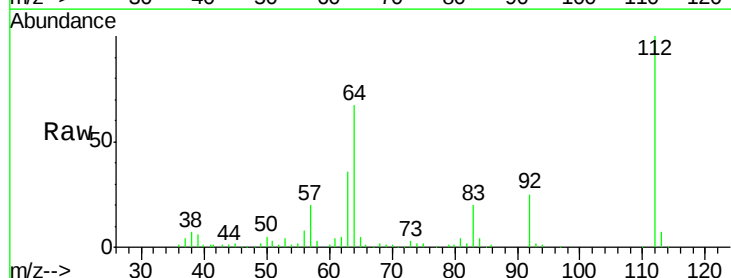
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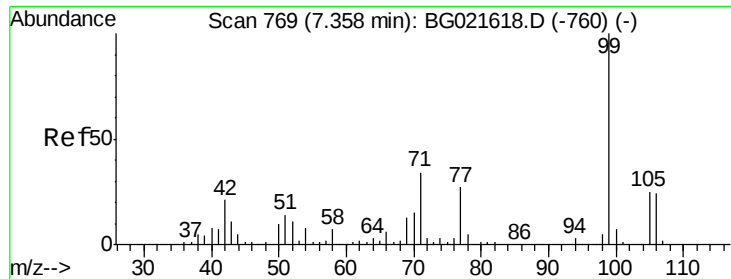


#5

2-Fluorophenol
Concen: 57.35 ng
RT: 5.76 min Scan# 498
Delta R.T. 0.00 min
Lab File: BG021787.D
Acq: 20 Apr 2016 16:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	51.1	76.7
63	35.5	24.6	37.0





#7

Phenol-d6

Concen: 55.17 ng

RT: 7.37 min Scan# 771

Delta R.T. 0.01 min

Lab File: BG021787.D

Acq: 20 Apr 2016 16:24

Instrument :

BNA_G

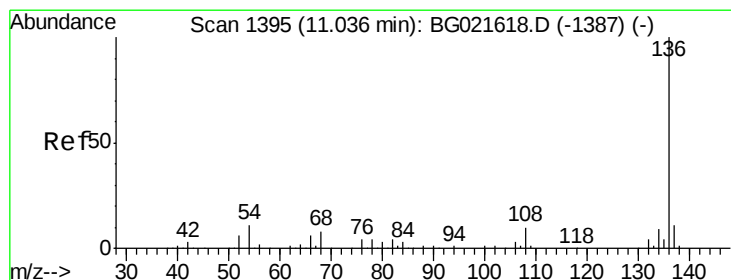
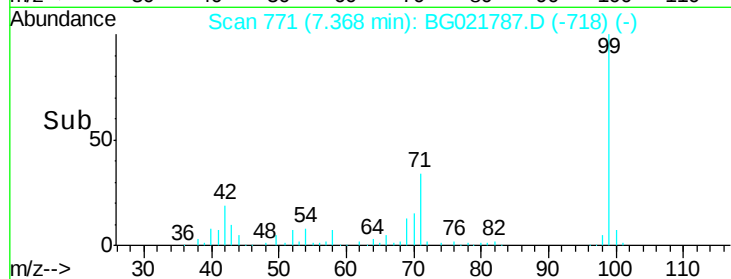
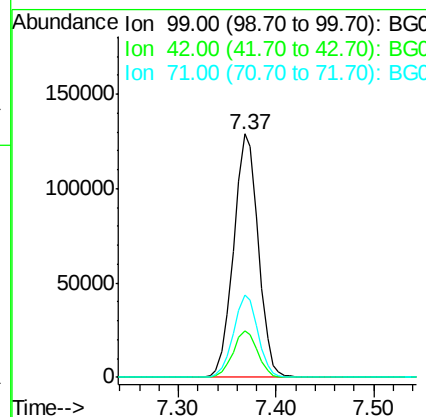
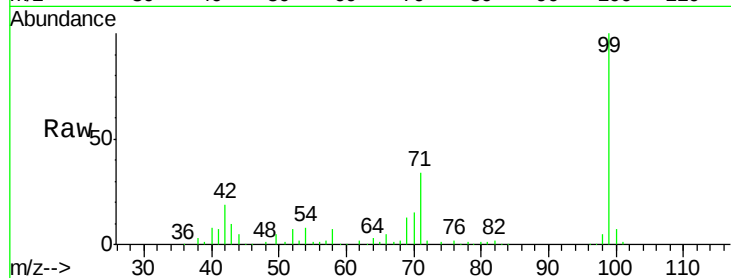
ClientSampleId :

SP-2-B-2(0-2)

Tot Ion:	99	Resp:	225379
Ion Ratio	Lower	Upper	
99	100		
42	19.3	16.4	24.6
71	33.7	25.0	37.4

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.00 ng

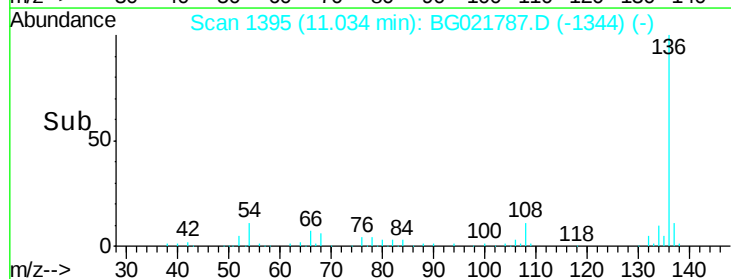
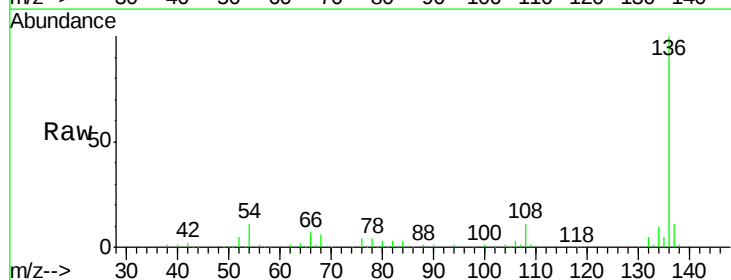
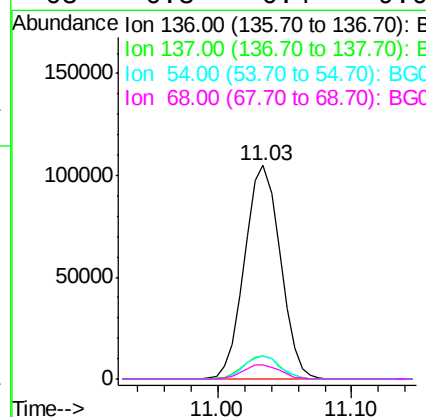
RT: 11.03 min Scan# 1395

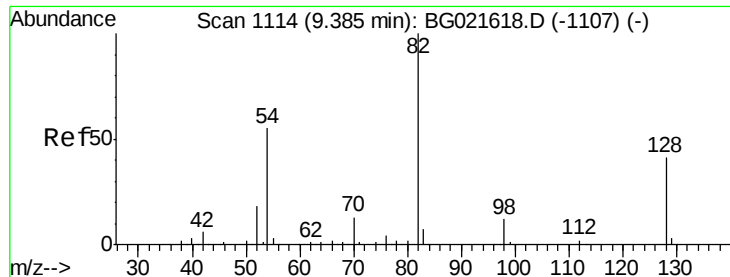
Delta R.T. -0.00 min

Lab File: BG021787.D

Acq: 20 Apr 2016 16:24

Tgt Ion:	136	Resp:	194176
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.4
54	10.5	9.6	14.4
68	6.3	6.4	9.6#





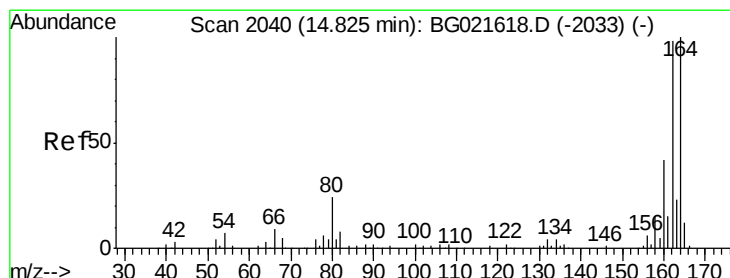
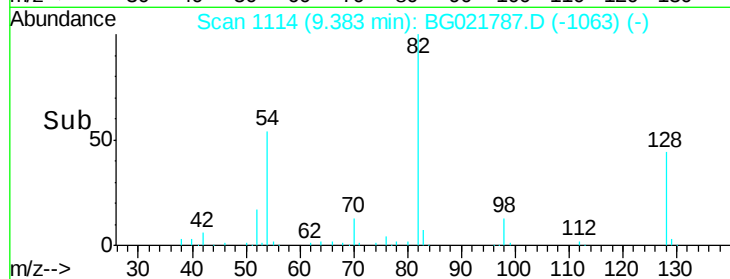
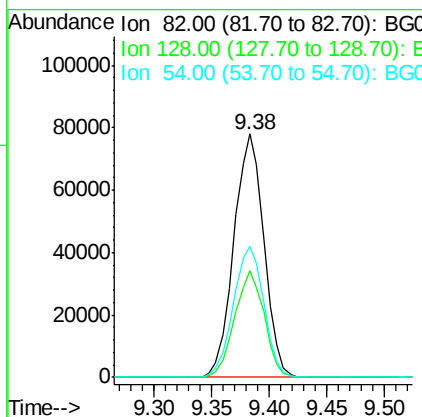
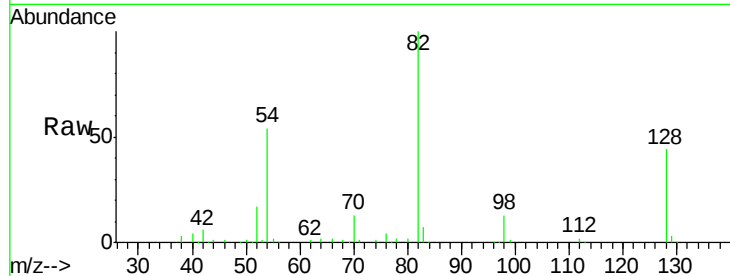
#23
 Nitrobenzene-d5
 Concen: 37.12 ng
 RT: 9.38 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: BG021787.D
 Acq: 20 Apr 2016 16:24

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-B-2(0-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	33.4	50.0
54	54.0	46.1	69.1

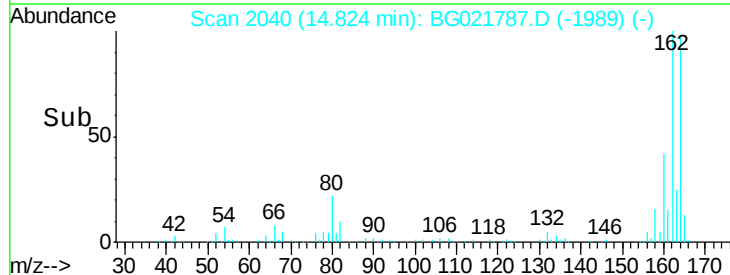
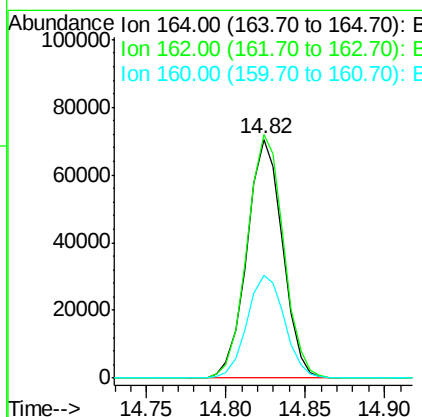
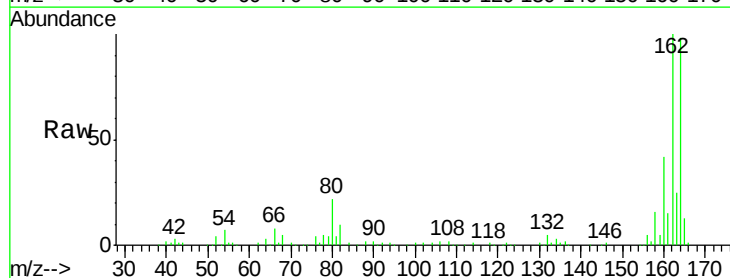
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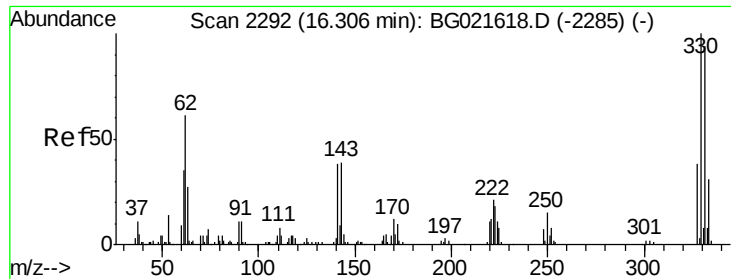
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2040
 Delta R.T. -0.00 min
 Lab File: BG021787.D
 Acq: 20 Apr 2016 16:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	78.0	117.0
160	43.2	32.9	49.3





#41

2,4,6-Tribromophenol

Concen: 56.62 ng

RT: 16.30 min Scan# 2292

Delta R.T. -0.00 min

Lab File: BG021787.D

Acq: 20 Apr 2016 16:24

Instrument :

BNA_G

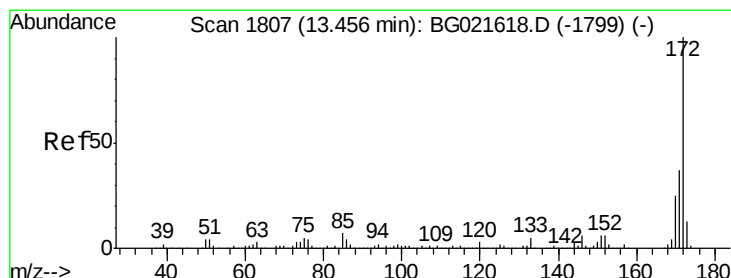
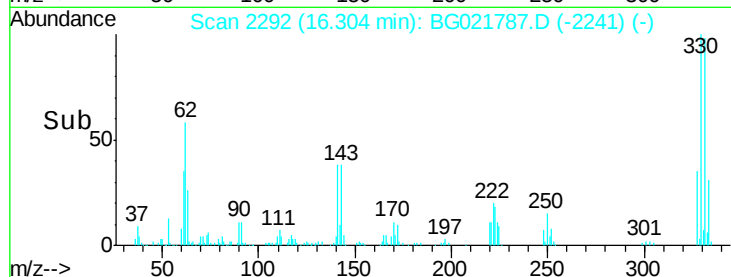
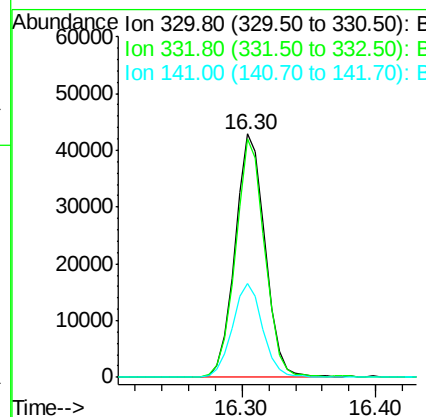
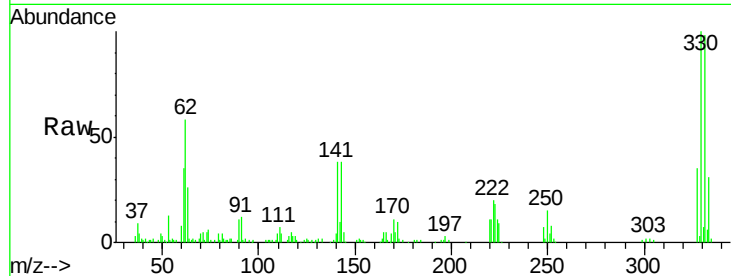
ClientSampleId :

SP-2-B-2(0-2)

Tot Ion:	330	Resp:	66941
Ion Ratio	Lower	Upper	
330	100		
332	95.2	78.0	117.0
141	38.7	33.8	50.8

Manual Integrations
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#44

2-Fluorobiphenyl

Concen: 37.20 ng

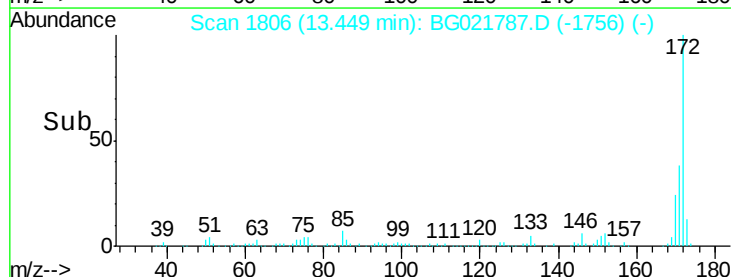
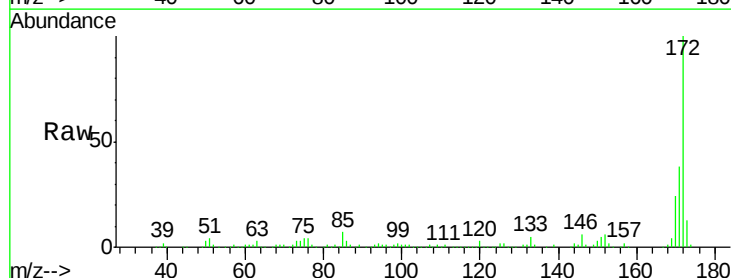
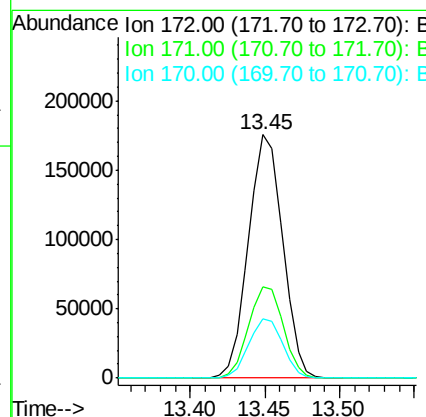
RT: 13.45 min Scan# 1806

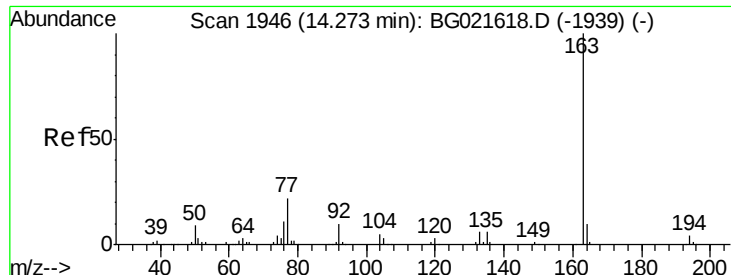
Delta R.T. -0.01 min

Lab File: BG021787.D

Acq: 20 Apr 2016 16:24

Tgt Ion:	172	Resp:	278507
Ion Ratio	Lower	Upper	
172	100		
171	37.5	27.8	41.6
170	24.3	19.6	29.4





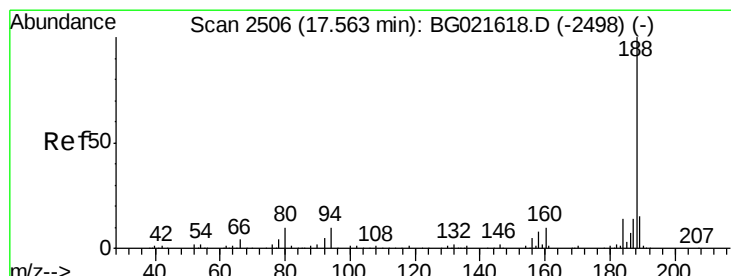
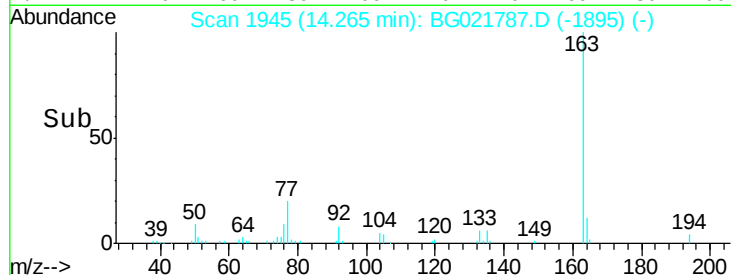
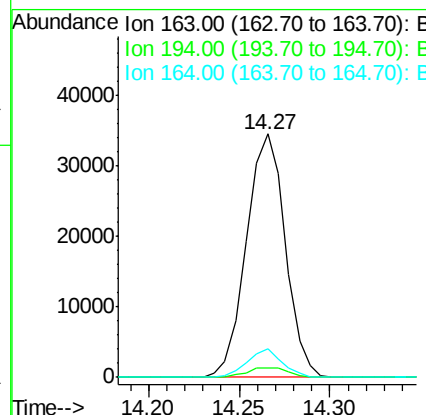
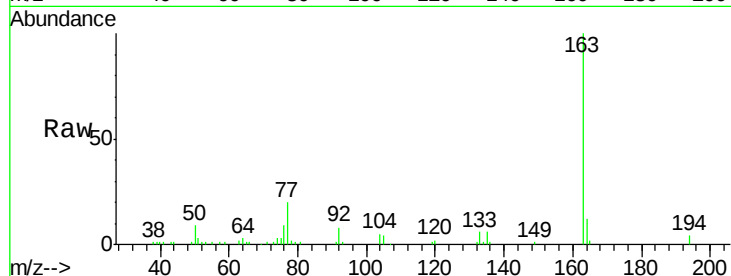
#49
Dimethylphthalate
Concen: 5.41 ng
RT: 14.27 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BG021787.D
Acq: 20 Apr 2016 16:24

Instrument :
BNA_G
ClientSampleId :
SP-2-B-2(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	51310		
194	3.8		3.0	4.6
164	11.5		8.1	12.1

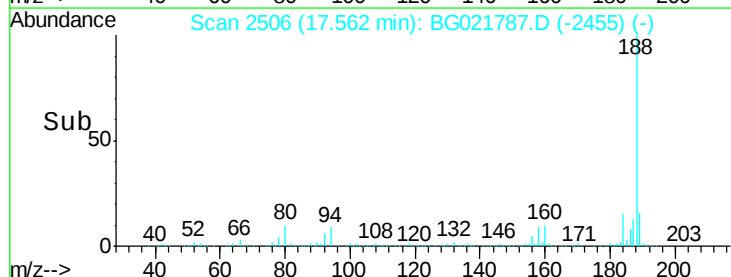
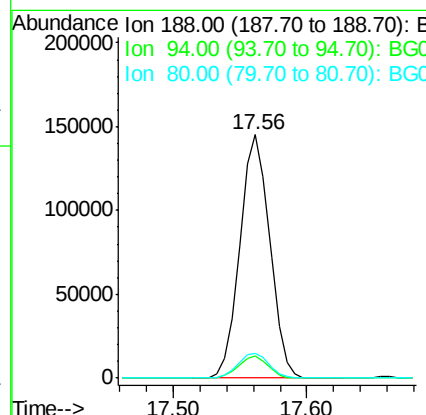
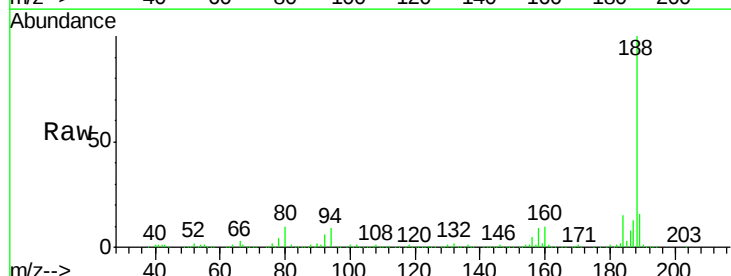
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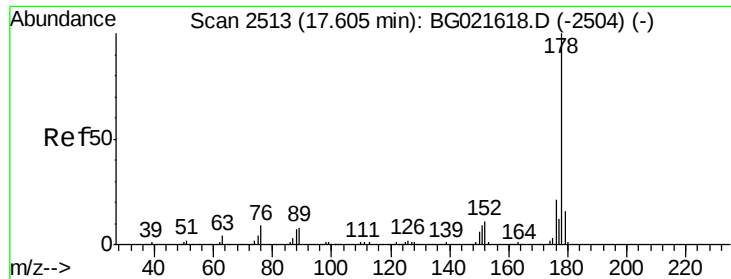
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2506
Delta R.T. -0.00 min
Lab File: BG021787.D
Acq: 20 Apr 2016 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	225062		
94	9.0		7.5	11.3
80	10.1		8.6	13.0





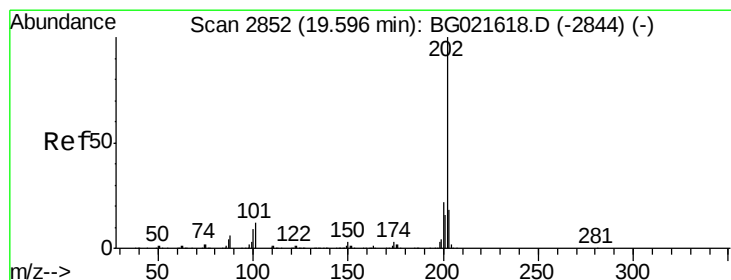
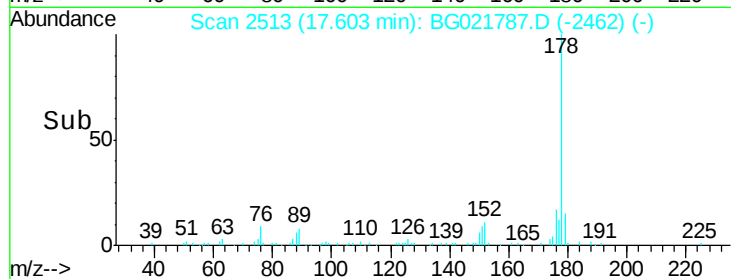
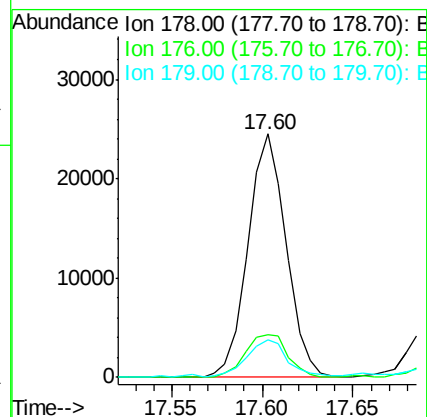
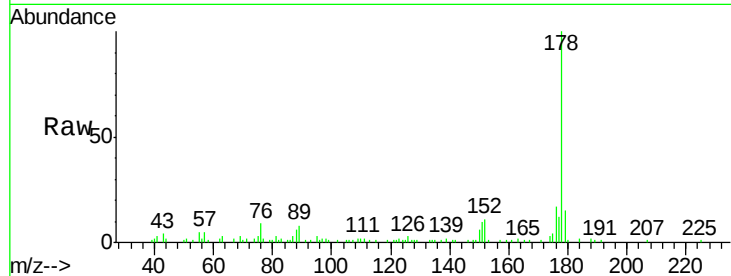
#70
Phenanthrene
Concen: 2.90 ng
RT: 17.60 min Scan# 2513
Delta R.T. -0.00 min
Lab File: BG021787.D
Acq: 20 Apr 2016 16:24

Instrument :
BNA_G
ClientSampleId :
SP-2-B-2(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.4	16.2	24.4
179	15.5	12.0	18.0

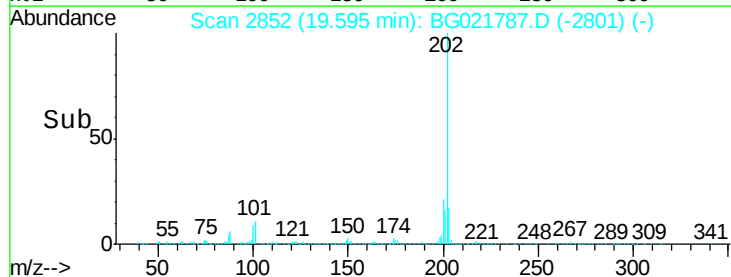
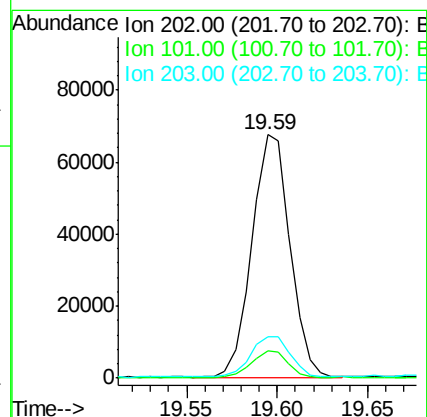
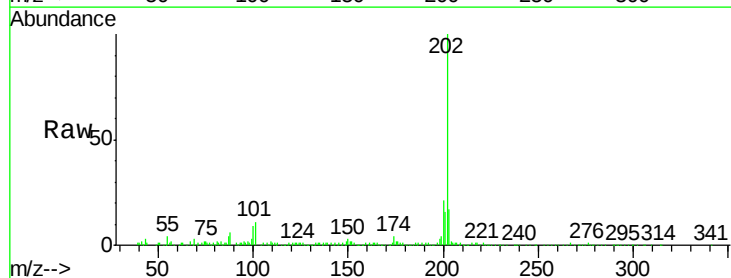
Manual Integrations
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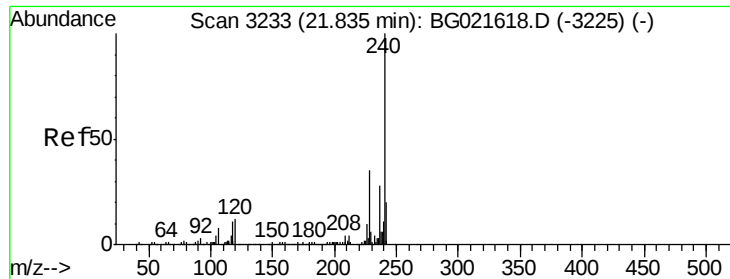
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#74
Fluoranthene
Concen: 6.65 ng
RT: 19.59 min Scan# 2852
Delta R.T. -0.00 min
Lab File: BG021787.D
Acq: 20 Apr 2016 16:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.0
203	17.3	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3234

Delta R.T. 0.00 min

Lab File: BG021787.D

Acq: 20 Apr 2016 16:24

Instrument :

BNA_G

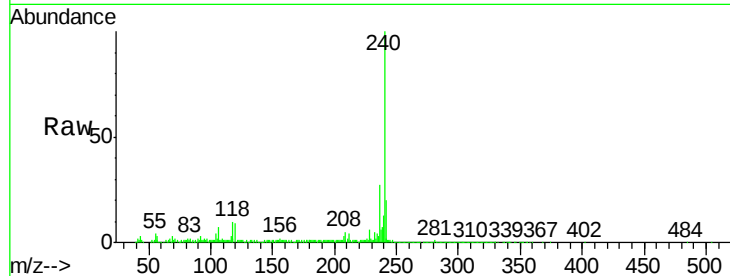
ClientSampleId :

SP-2-B-2(0-2)

Tot Ion:	240	Resp:	246026
Ion Ratio	Lower	Upper	
240	100		
120	9.2	8.4	12.6
236	26.8	19.6	29.4

Manual Integrations
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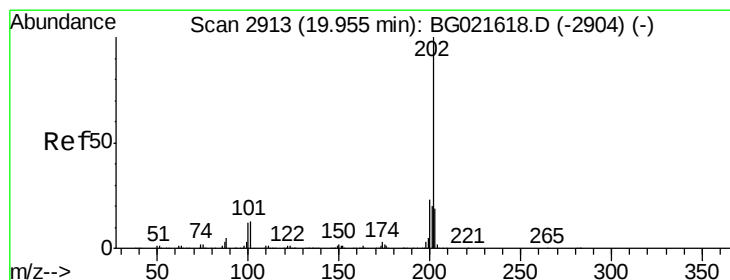
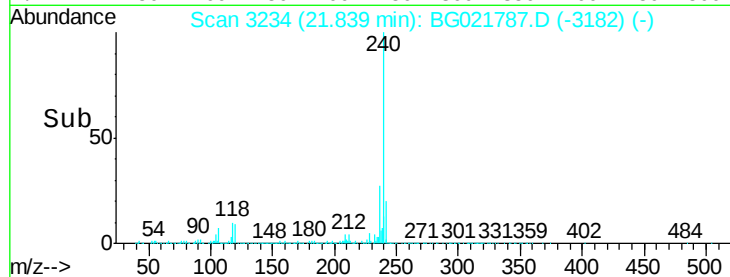
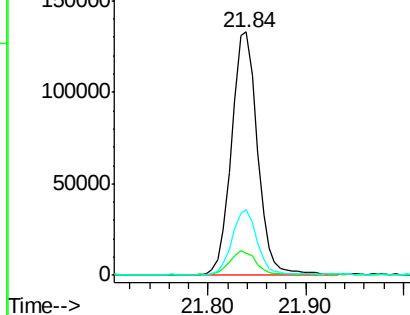
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.55 ng

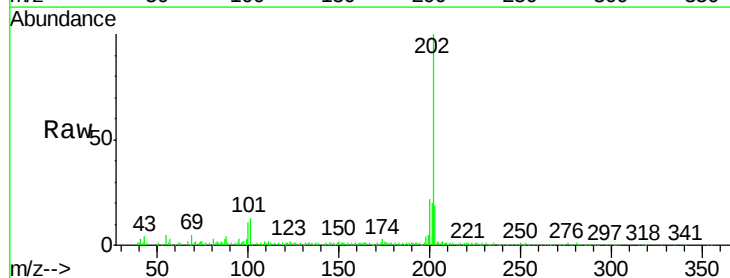
RT: 19.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG021787.D

Acq: 20 Apr 2016 16:24

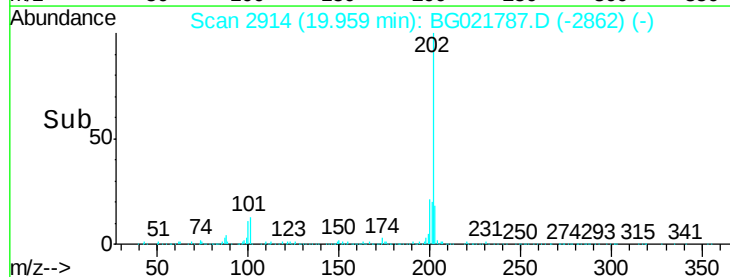
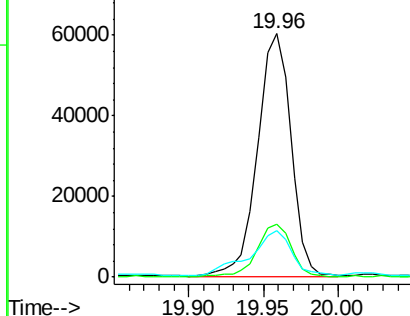
Tgt Ion:	202	Resp:	92850
Ion Ratio	Lower	Upper	
202	100		
200	21.6	18.2	27.2
203	18.9	15.0	22.4

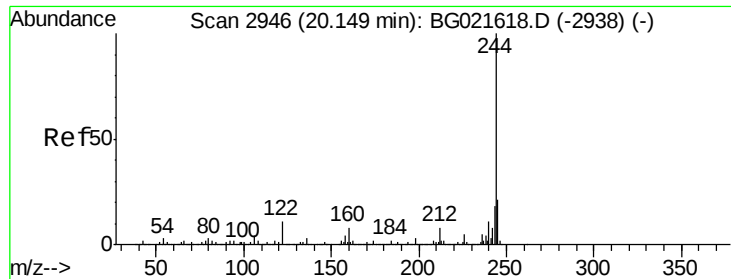


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 31.02 ng

RT: 20.15 min Scan# 2946

Delta R.T. -0.00 min

Lab File: BG021787.D

Acq: 20 Apr 2016 16:24

Instrument :

BNA_G

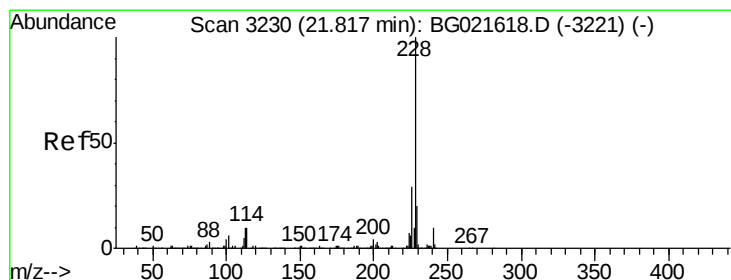
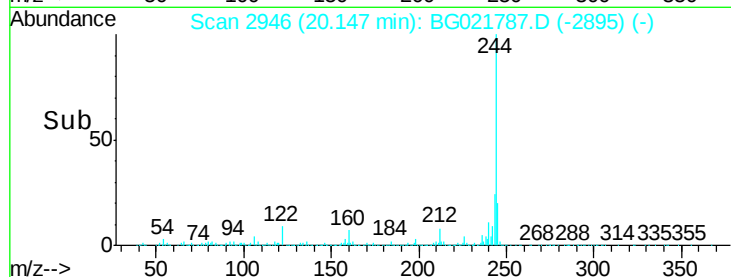
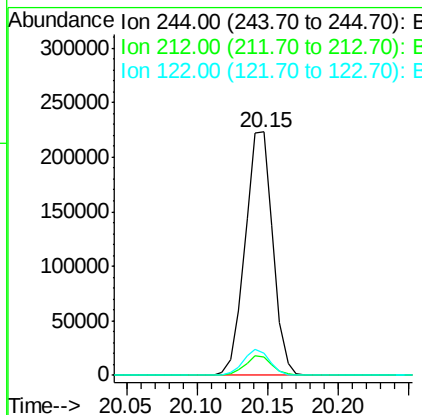
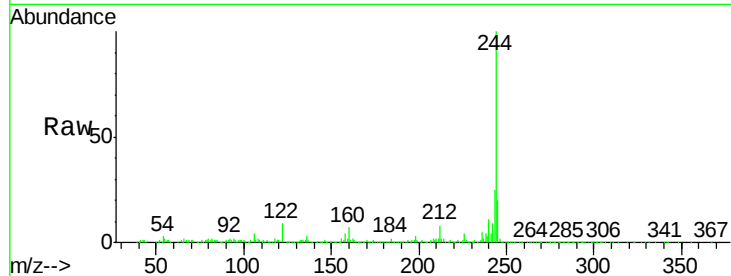
ClientSampleId :

SP-2-B-2(0-2)

Tot Ion:244	Resp:	305836
Ion Ratio	Lower	Upper
244	100	
212	7.8	6.5 9.7
122	9.0	8.6 12.8

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#80

Benzo(a)anthracene

Concen: 3.79 ng m

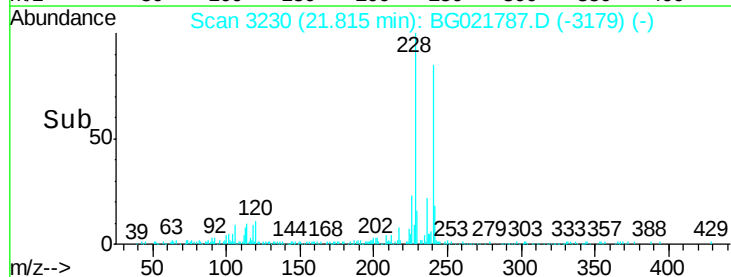
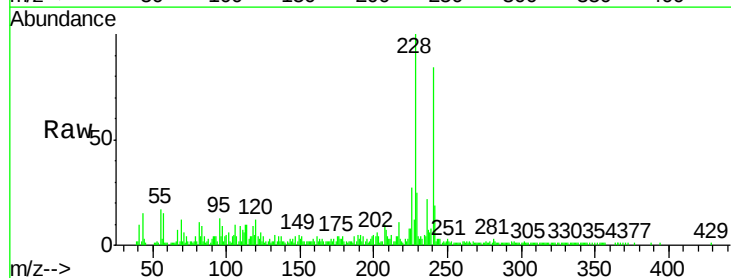
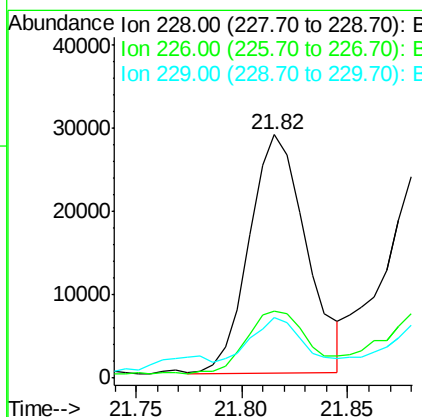
RT: 21.82 min Scan# 3230

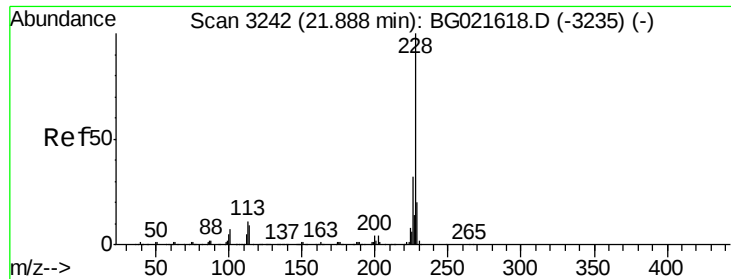
Delta R.T. -0.00 min

Lab File: BG021787.D

Acq: 20 Apr 2016 16:24

Tgt Ion:228	Resp:	53719
Ion Ratio	Lower	Upper
228	100	
226	27.3	22.6 34.0
229	24.7	16.1 24.1#





#82

Chrysene

Concen: 3.67 ng

RT: 21.89 min Scan# 3242

Delta R.T. -0.00 min

Lab File: BG021787.D

Acq: 20 Apr 2016 16:24

Instrument :

BNA_G

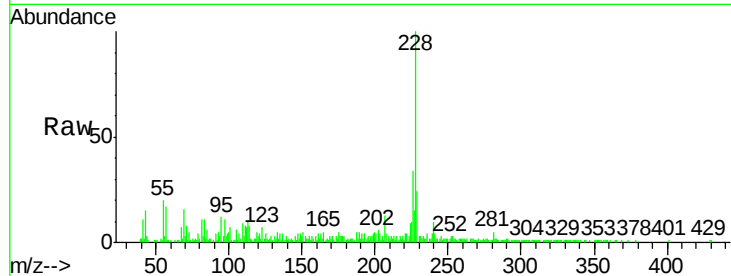
ClientSampleId :

SP-2-B-2(0-2)

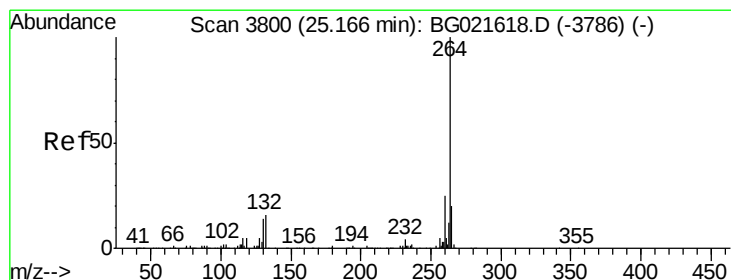
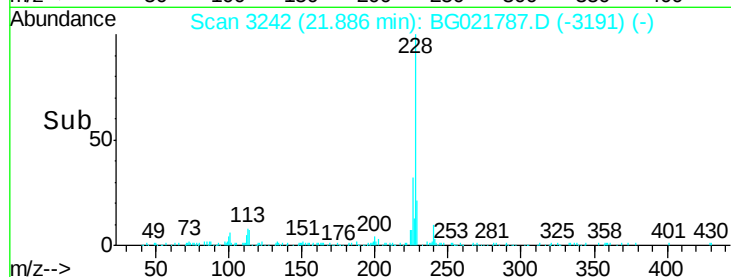
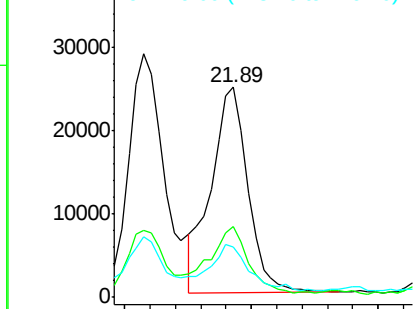
Tot Ion:	228	Resp:	49864
Ion Ratio	Lower	Upper	
228	100		
226	33.7	25.4	38.0
229	24.1	15.9	23.9

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

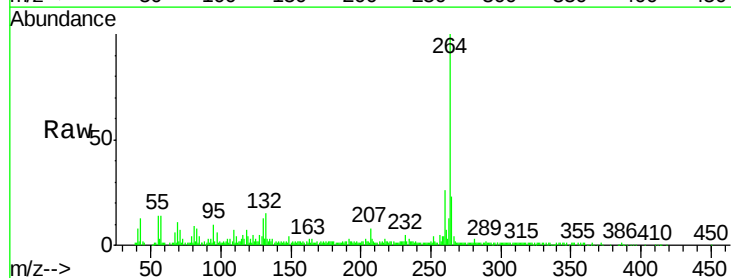
RT: 25.18 min Scan# 3803

Delta R.T. 0.02 min

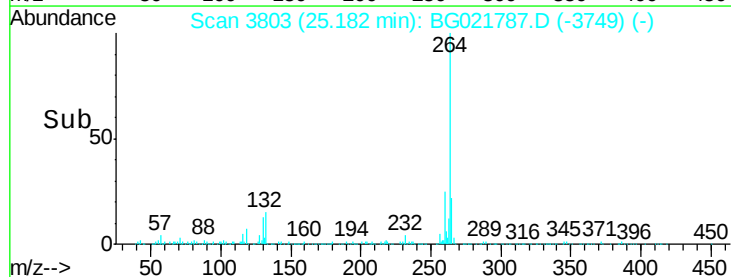
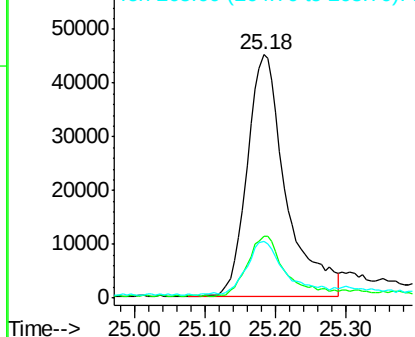
Lab File: BG021787.D

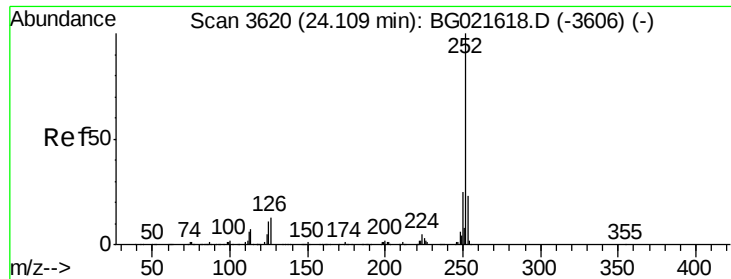
Acq: 20 Apr 2016 16:24

Tgt Ion:	264	Resp:	173316
Ion Ratio	Lower	Upper	
264	100		
260	25.6	20.2	30.4
265	23.3	17.8	26.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.07 ng

RT: 24.12 min Scan# 3622

Delta R.T. 0.01 min

Lab File: BG021787.D

Acq: 20 Apr 2016 16:24

Instrument :

BNA_G

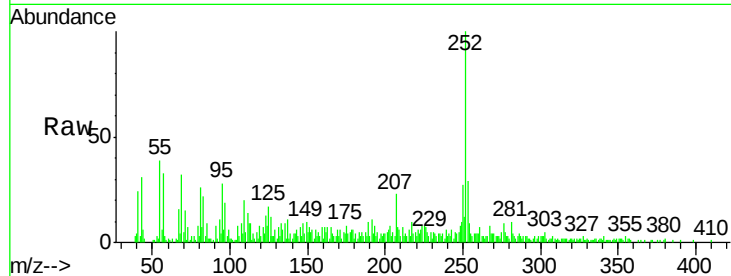
ClientSampleId :

SP-2-B-2(0-2)

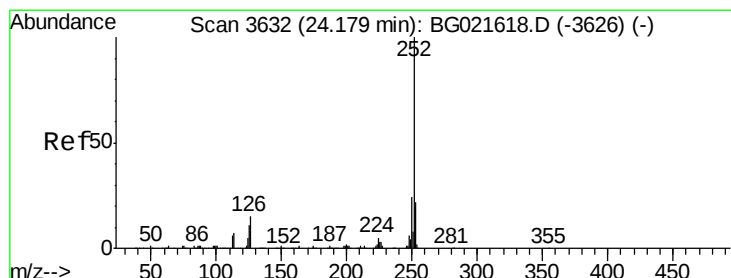
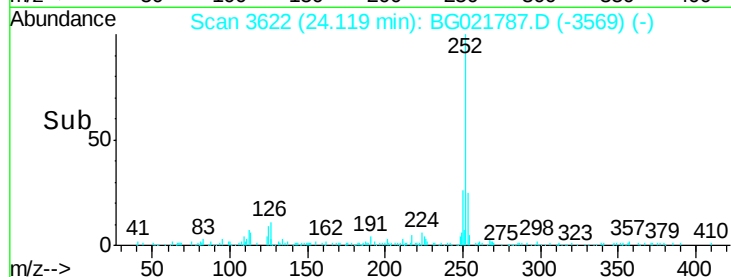
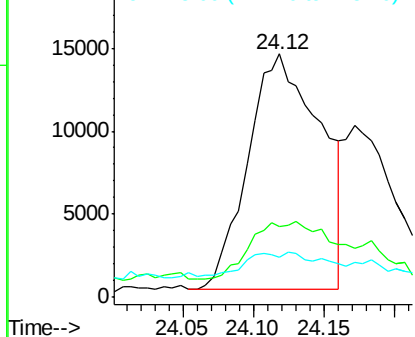
Tot Ion:	252	Resp:	50989
Ion Ratio	Lower	Upper	
252	100		
253	29.2	17.5	26.3#
125	16.6	8.6	13.0#

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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: 3.11 ng m

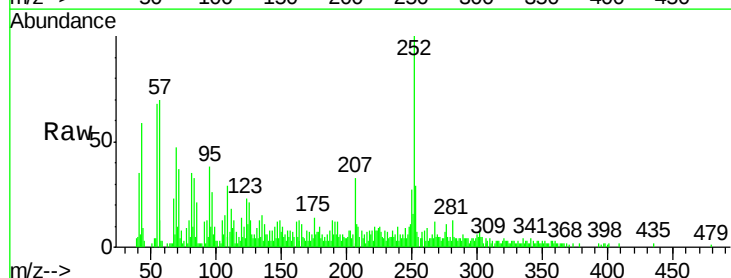
RT: 24.17 min Scan# 3631

Delta R.T. -0.01 min

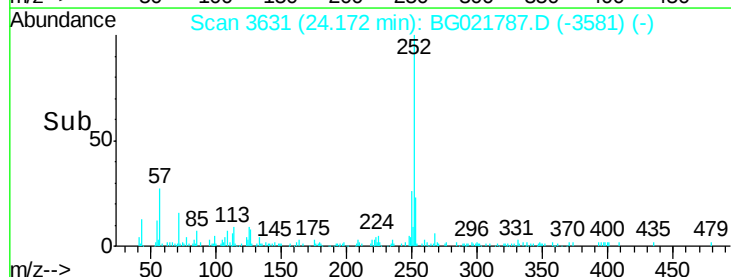
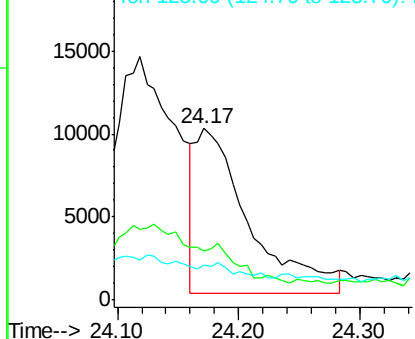
Lab File: BG021787.D

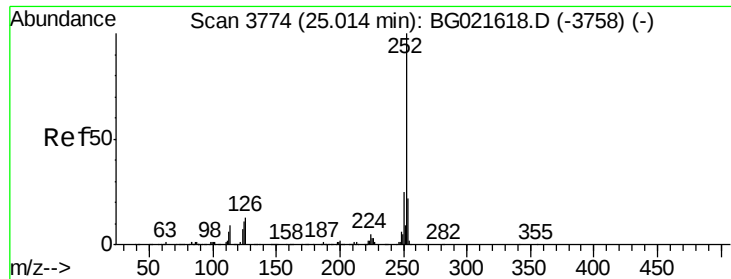
Acq: 20 Apr 2016 16:24

Tgt Ion:	252	Resp:	30604
Ion Ratio	Lower	Upper	
252	100		
253	28.9	17.8	26.8#
125	20.8	8.3	12.5#



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: 3.33 ng

RT: 25.02 min Scan# 3775

Delta R.T. 0.00 min

Lab File: BG021787.D

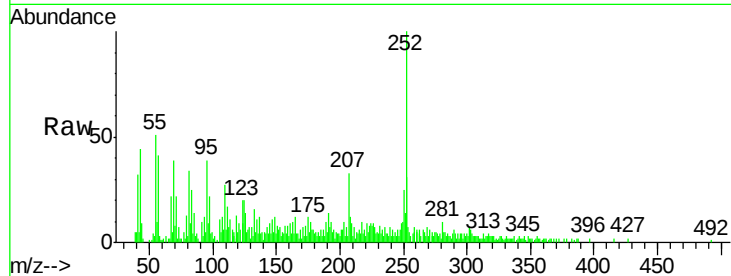
Acq: 20 Apr 2016 16:24

Instrument :

BNA_G

ClientSampleId :

SP-2-B-2(0-2)



Tot Ion	Ratio	Lower	Upper
252	100		
253	30.8	17.1	25.7#
125	20.3	9.6	14.4#

Manual Integrations
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