

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
 Data File : BG021218.D
 Acq On : 2 Mar 2016 18:22
 Operator : UM/SJ
 Sample : H1557-02RE 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-10RE

Manual Integrations
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Sohil
 3/3/2016 8:23:17 AM

Quant Time: Mar 03 13:53:01 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 02 11:46:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	19816	20.00	ng	-0.01
21) Naphthalene-d8	10.95	136	100279	20.00	ng	-0.01
38) Acenaphthene-d10	14.75	164	57057	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	118801	20.00	ng	0.00
75) Chrysene-d12	21.78	240	135985	20.00	ng	0.00
86) Perylene-d12	25.07	264	127117	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	7883	6.32	ng	0.00
7) Phenol-d6	7.29	99	13300	6.49	ng	0.00
23) Nitrobenzene-d5	9.31	82	10030	4.23	ng	-0.01
41) 2,4,6-Tribromophenol	16.23	330	3570	6.01	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	19338	4.81	ng	-0.01
78) Terphenyl-d14	20.09	244	26869m	4.79	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.54	178	152637	23.81	ng	99
71) Anthracene	17.63	178	45393	6.92	ng	98
74) Fluoranthene	19.54	202	623894	82.83	ng	97
77) Pyrene	19.91	202	625357	77.09	ng	96
80) Benzo(a)anthracene	21.75	228	303595	37.71	ng	97
82) Chrysene	21.82	228	286076	37.50	ng	98
85) Indeno(1,2,3-cd)pyrene	28.82	276	96454	11.03	ng	# 93
87) Benzo(b)fluoranthene	24.03	252	339621	42.48	ng	95
88) Benzo(k)fluoranthene	24.08	252	120093m	15.00	ng	
89) Benzo(a)pyrene	24.91	252	177478	22.96	ng	# 90
91) Benzo(g,h,i)perylene	30.00	276	76173	10.31	ng	# 92

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

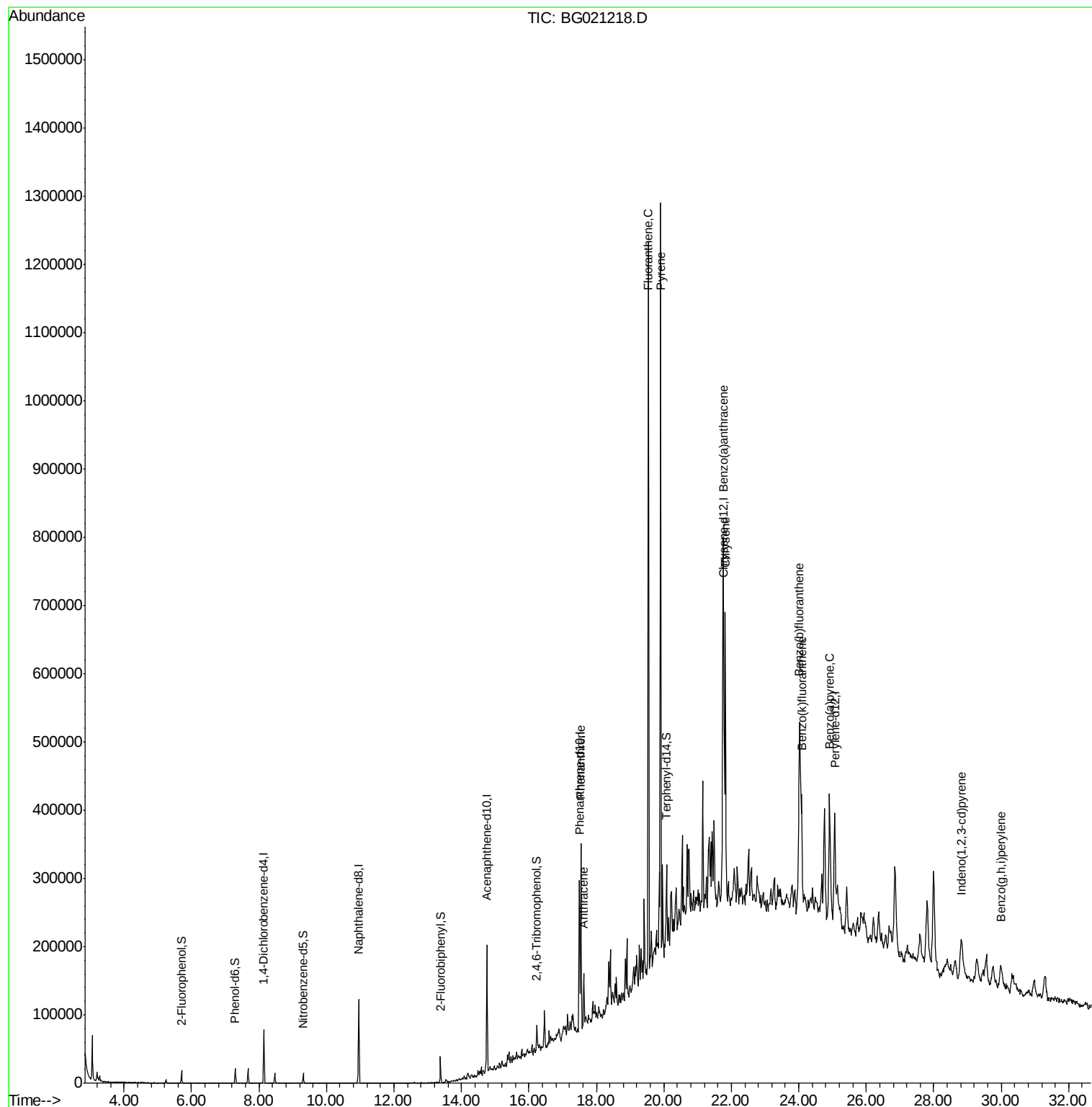
Data Path : Z:\HPCHEM1\BNA G\DATA\BG030216\
Data File : BG021218.D
Acq On : 2 Mar 2016 18:22
Operator : UM/SJ
Sample : H1557-02RE 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

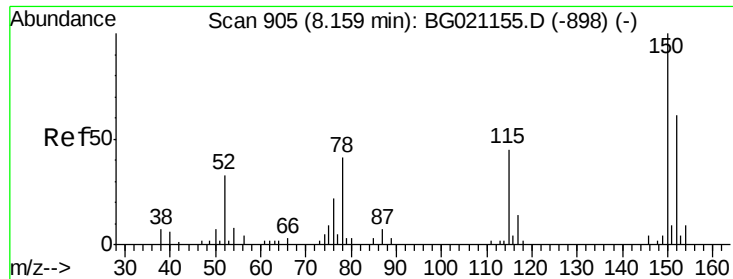
Instrument :
BNA_G
ClientSampleId :
P-10RE

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Quant Time: Mar 03 13:53:01 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

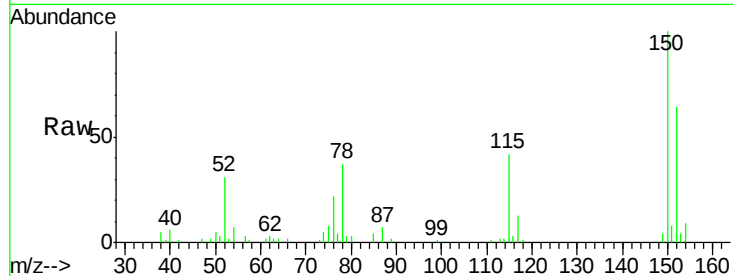
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.14 min Scan# 903
Delta R.T. -0.01 min
Lab File: BG021218.D
Acq: 2 Mar 2016 18:22

Instrument :
BNA_G
ClientSampled :
P-10RE

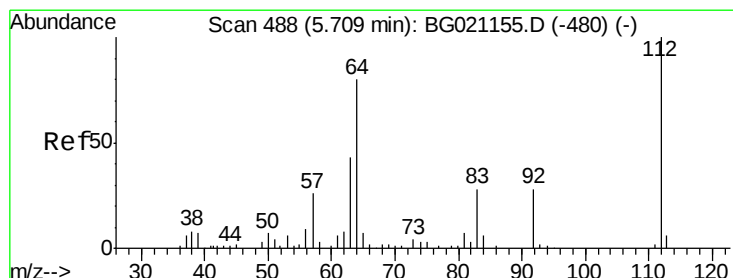
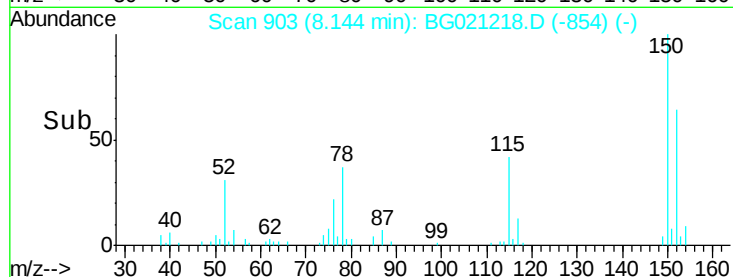
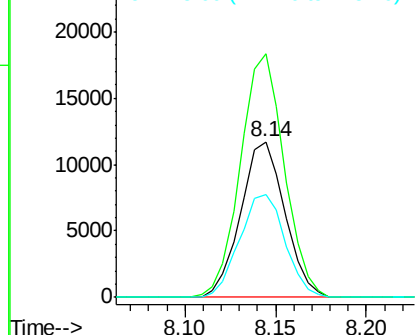
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	123.4	185.2
115	66.1	43.3	64.9

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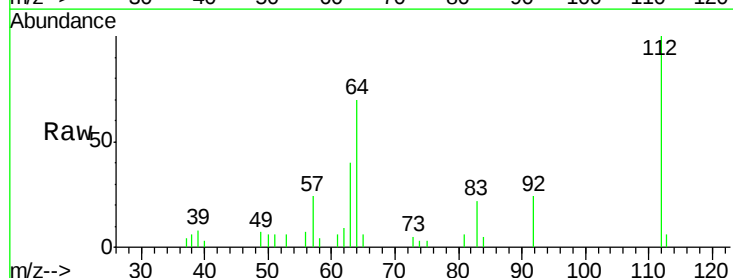
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



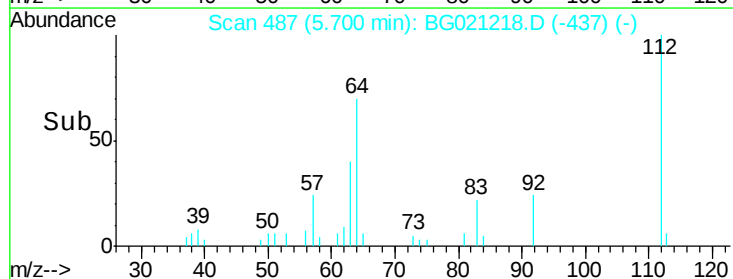
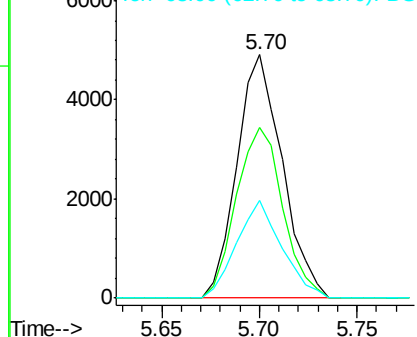
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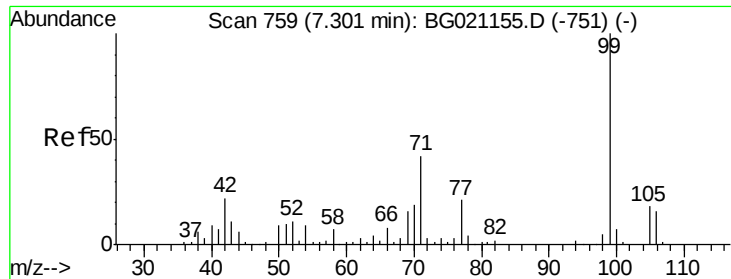
2-Fluorophenol
Concen: 6.32 ng
RT: 5.70 min Scan# 487
Delta R.T. -0.01 min
Lab File: BG021218.D
Acq: 2 Mar 2016 18:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.3	42.6	63.8
63	40.2	21.7	32.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 6.49 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.01 min

Lab File: BG021218.D

Acq: 2 Mar 2016 18:22

Instrument :

BNA_G

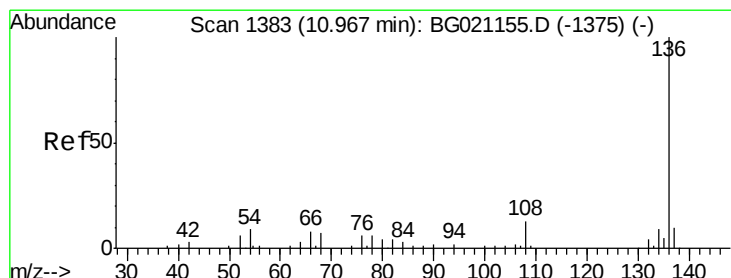
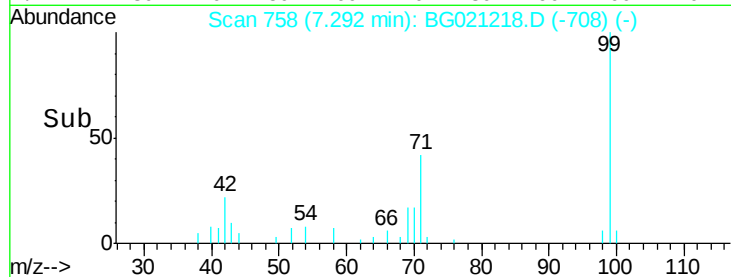
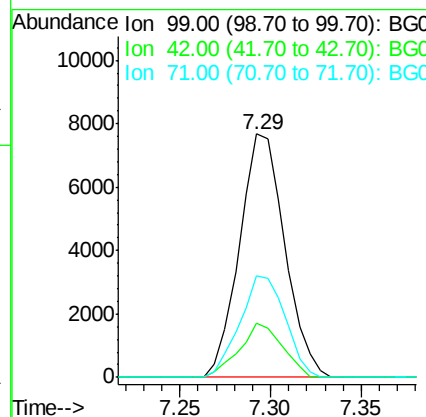
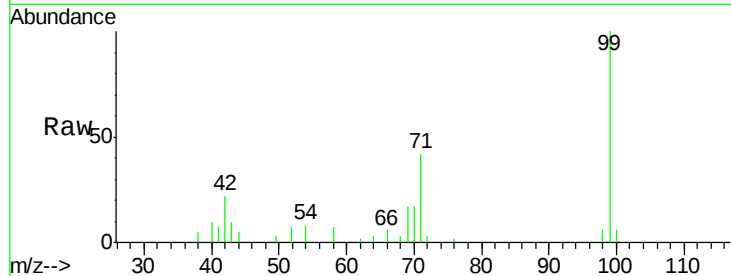
ClientSampled :

P-10RE

Tot Ion:	99	Resp:	13300
Ion Ratio	Lower	Upper	
99	100		
42	22.2	13.2	19.8#
71	41.5	25.2	37.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

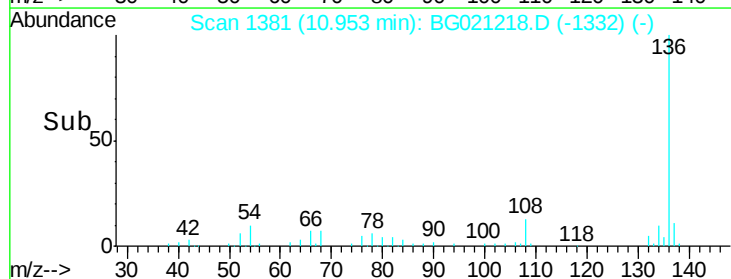
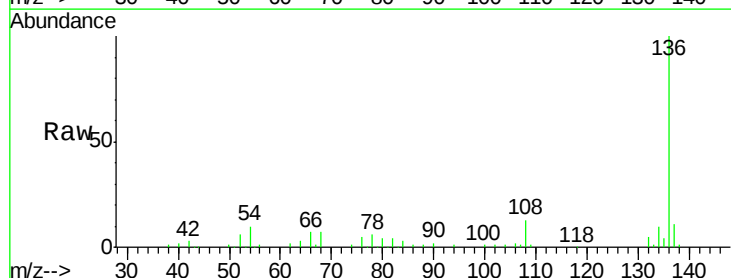
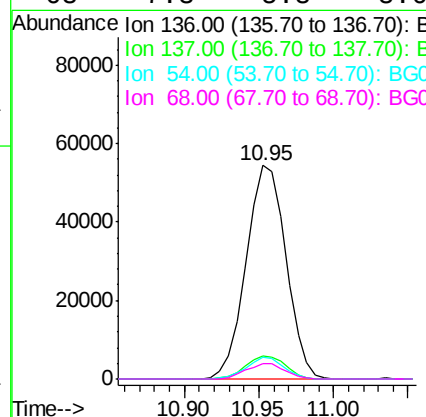
RT: 10.95 min Scan# 1381

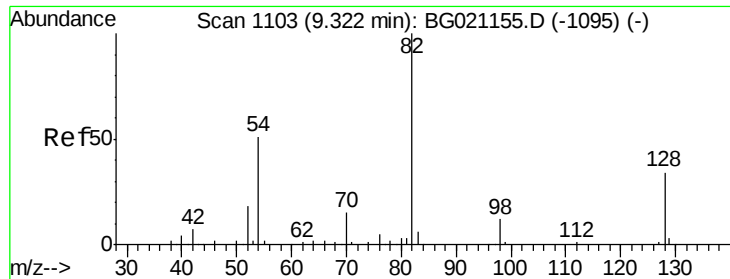
Delta R.T. -0.01 min

Lab File: BG021218.D

Acq: 2 Mar 2016 18:22

Tgt Ion:	136	Resp:	100279
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	10.4	6.9	10.3#
68	7.3	5.8	8.6





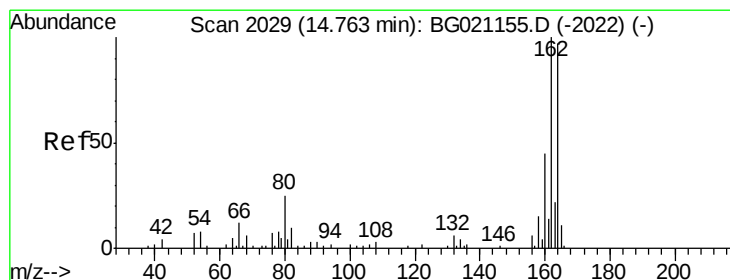
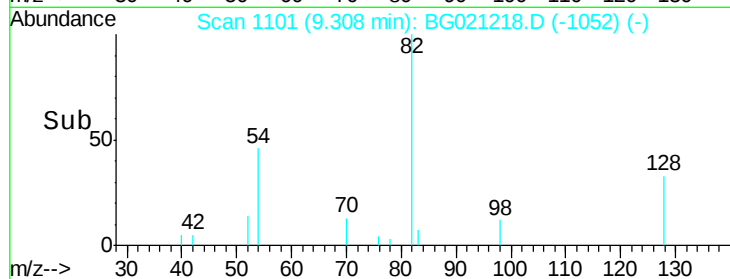
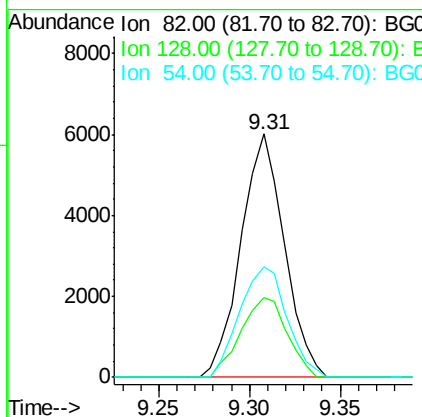
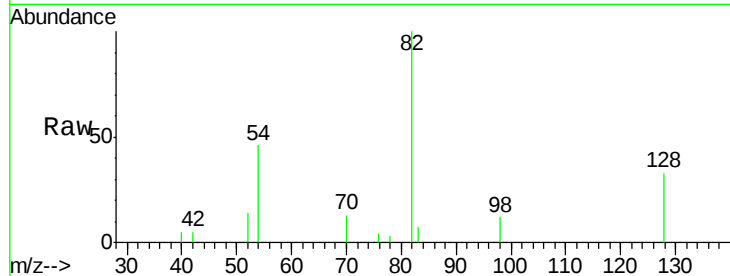
#23
Nitrobenzene-d5
Concen: 4.23 ng
RT: 9.31 min Scan# 1101
Delta R.T. -0.01 min
Lab File: BG021218.D
Acq: 2 Mar 2016 18:22

Instrument :
BNA_G
ClientSampleId :
P-10RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	32.6	36.3	54.5#
54	45.6	37.6	56.4

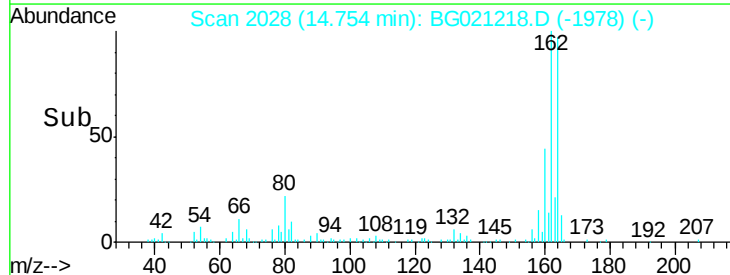
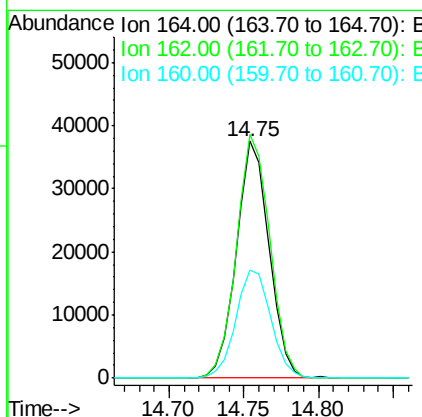
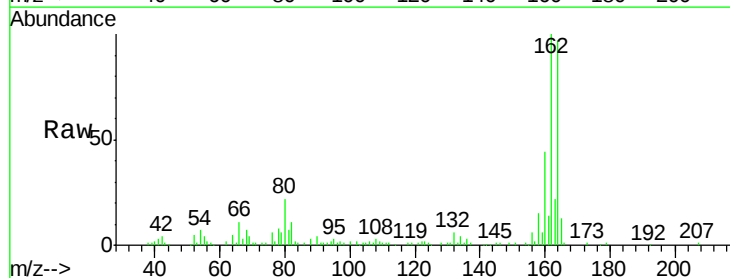
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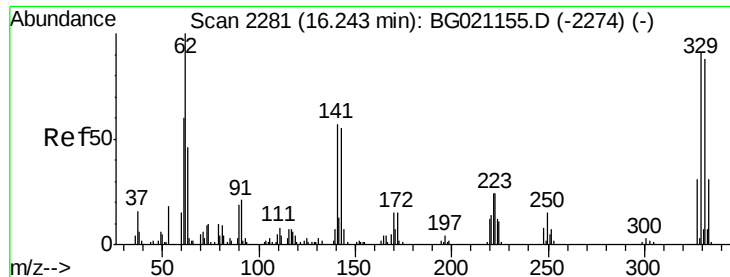
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.75 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BG021218.D
Acq: 2 Mar 2016 18:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	80.6	120.8
160	45.7	36.5	54.7





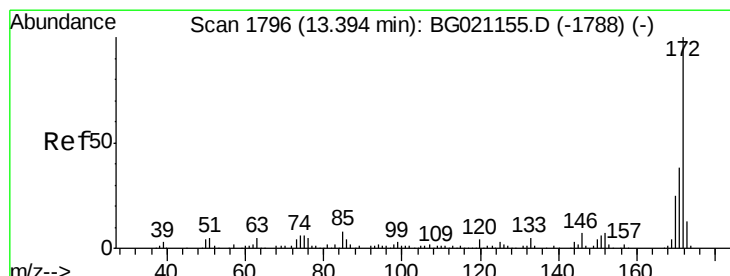
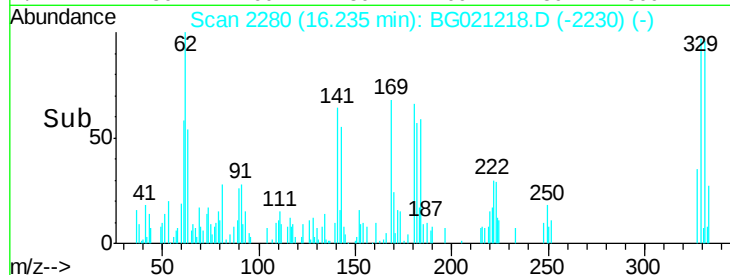
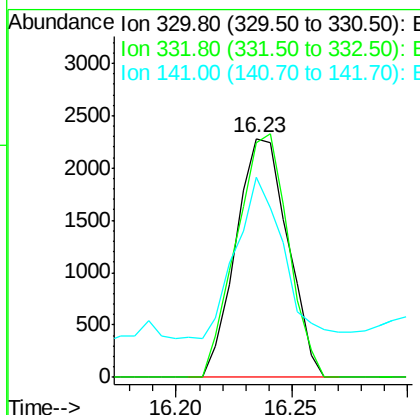
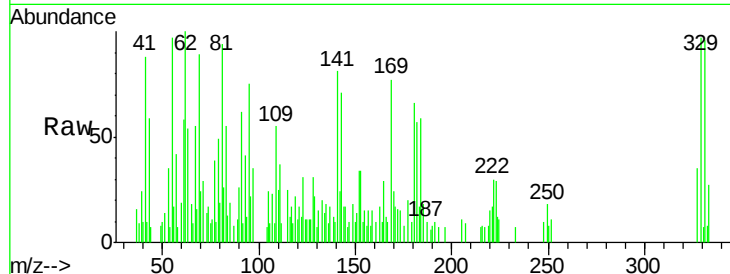
#41
 2,4,6-Tribromophenol
 Concen: 6.01 ng
 RT: 16.23 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BG021218.D
 Acq: 2 Mar 2016 18:22

Instrument :
 BNA_G
 ClientSampled :
 P-10RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.4	77.4	116.0
141	62.4	35.3	52.9#

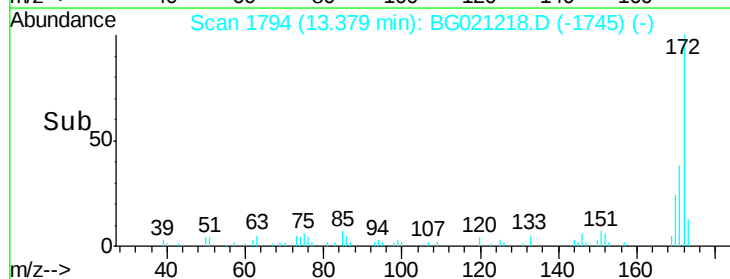
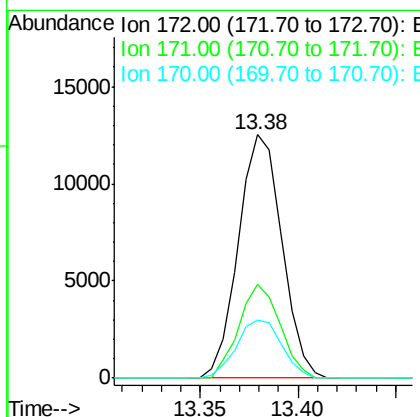
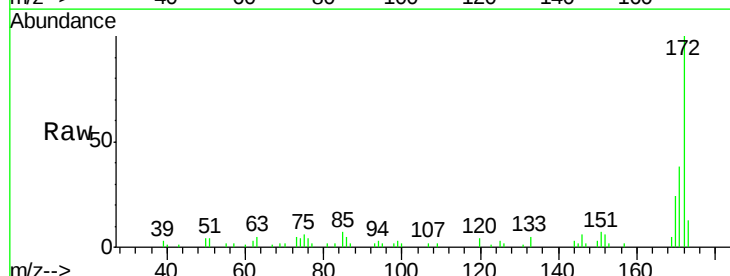
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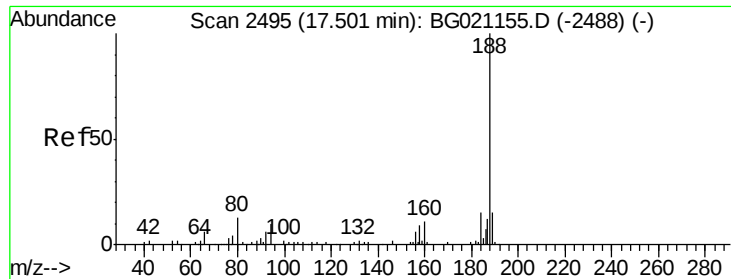
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#44
 2-Fluorobiphenyl
 Concen: 4.81 ng
 RT: 13.38 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: BG021218.D
 Acq: 2 Mar 2016 18:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	29.4	44.0
170	23.6	19.8	29.8





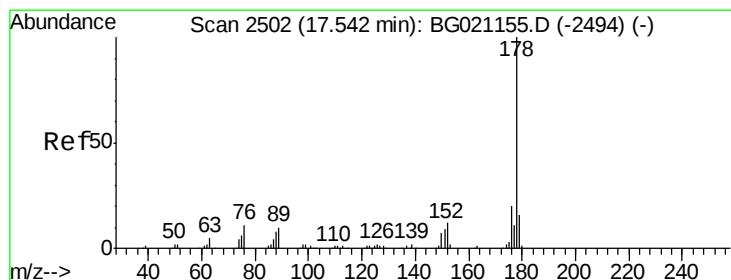
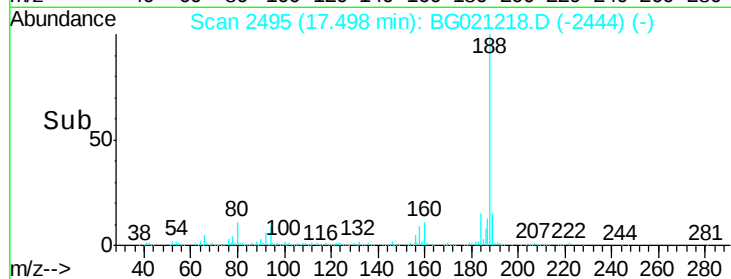
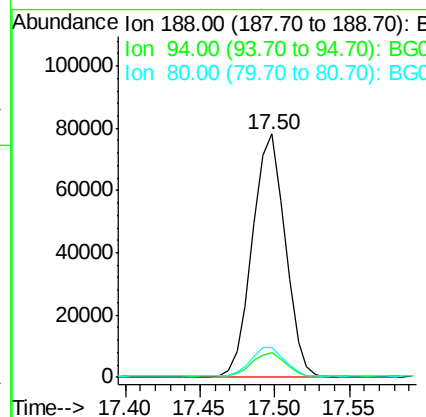
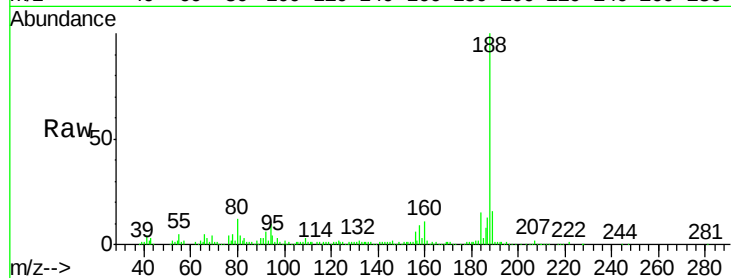
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.50 min Scan# 2495
Delta R.T. -0.00 min
Lab File: BG021218.D
Acq: 2 Mar 2016 18:22

Instrument :
BNA_G
ClientSampleId :
P-10RE

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.9	8.2	12.4
80	12.1	9.2	13.8

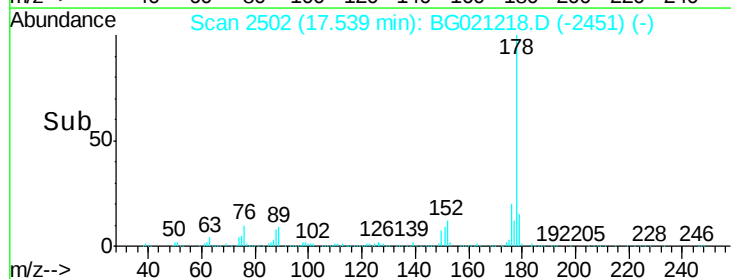
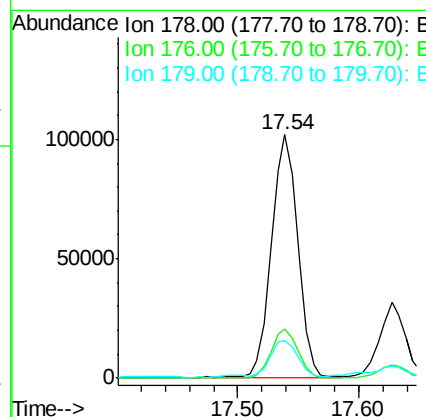
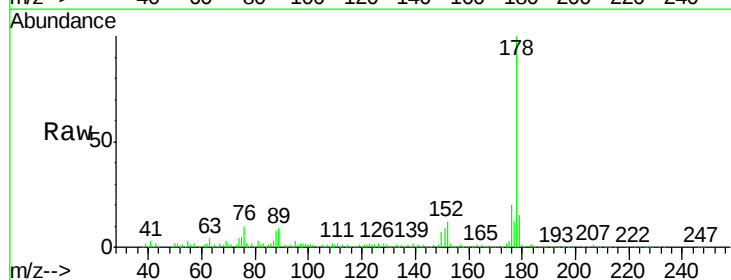
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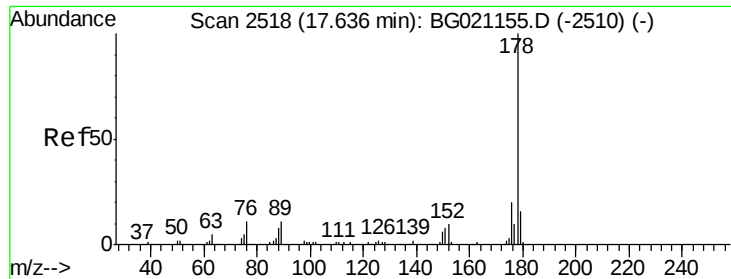
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#70
Phenanthrene
Concen: 23.81 ng
RT: 17.54 min Scan# 2502
Delta R.T. -0.00 min
Lab File: BG021218.D
Acq: 2 Mar 2016 18:22

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.3	16.2	24.4
179	15.2	12.9	19.3





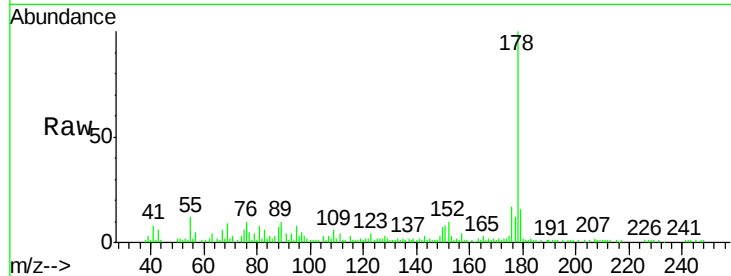
#71
 Anthracene
 Concen: 6.92 ng
 RT: 17.63 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG021218.D
 Acq: 2 Mar 2016 18:22

Instrument :
 BNA_G
 ClientSampleId :
 P-10RE

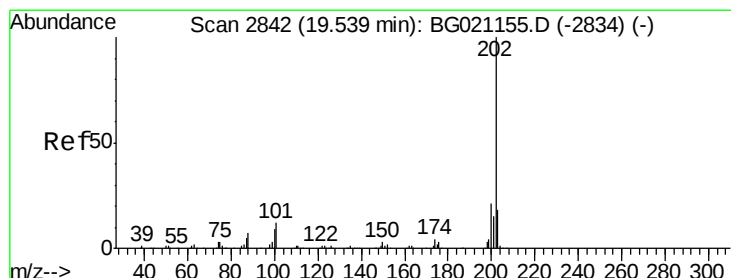
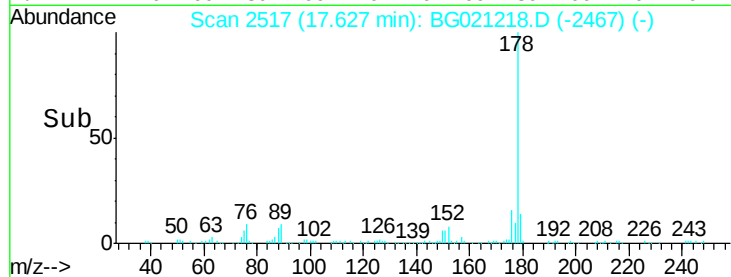
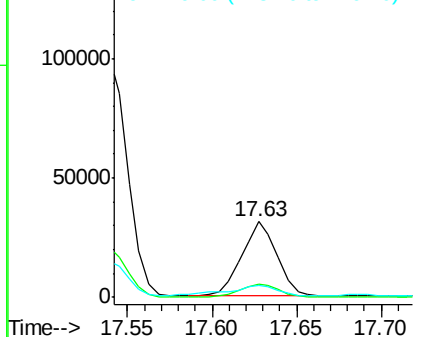
Tot Ion	Ratio	Lower	Upper
178	100		
176	16.7	14.8	22.2
179	15.6	12.6	19.0

Manual Integrations
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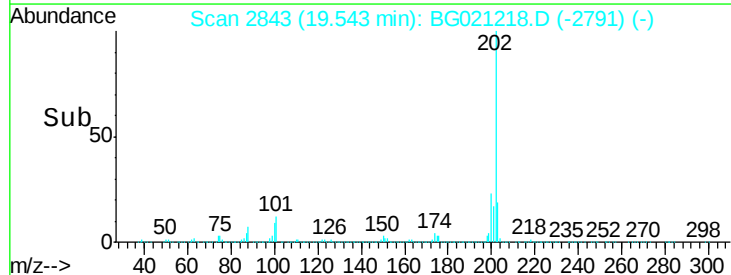
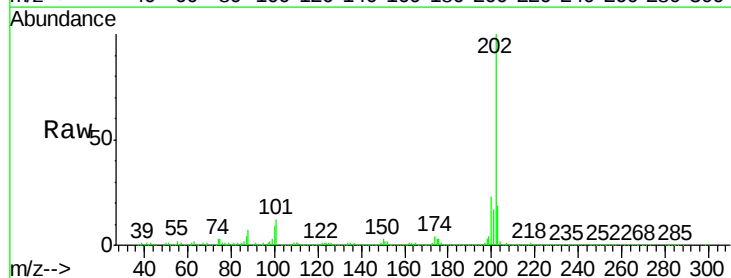
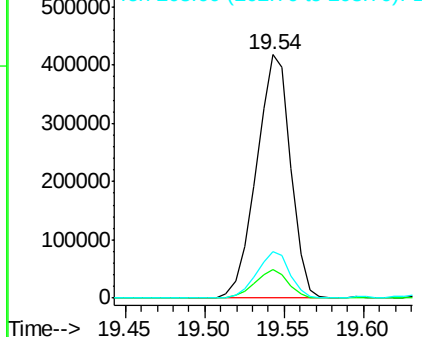
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

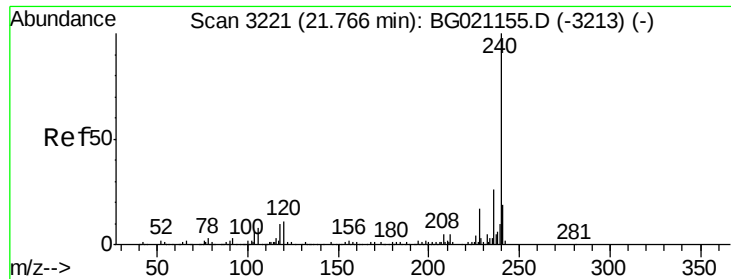


#74
 Fluoranthene
 Concen: 82.83 ng
 RT: 19.54 min Scan# 2843
 Delta R.T. 0.00 min
 Lab File: BG021218.D
 Acq: 2 Mar 2016 18:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.5
203	19.4	0.0	37.6

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: 21.78 min Scan# 3223

Delta R.T. 0.01 min

Lab File: BG021218.D

Acq: 2 Mar 2016 18:22

Instrument :

BNA_G

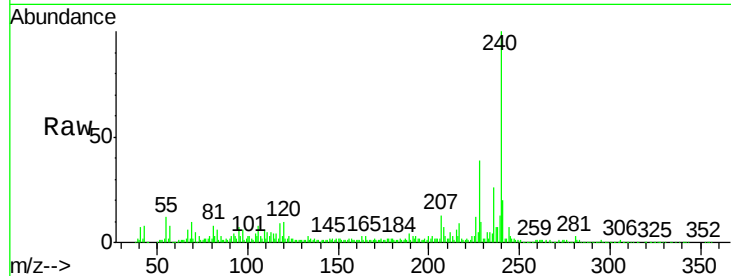
ClientSampled :

P-10RE

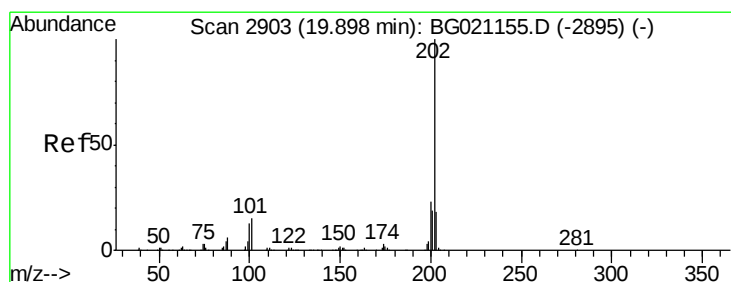
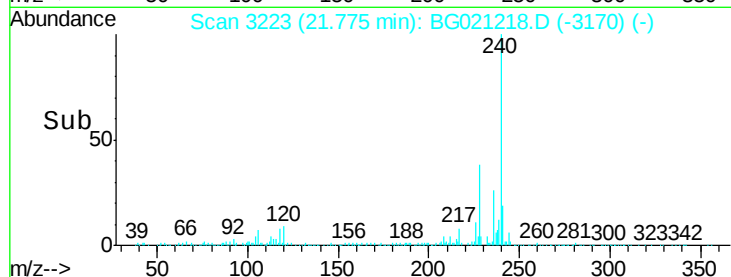
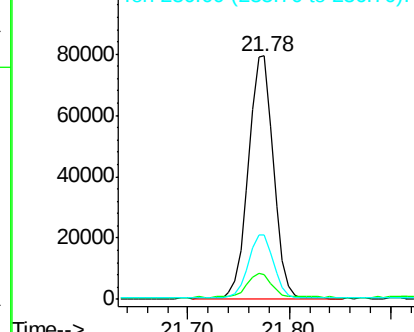
Tot Ion:	240	Resp:	135985
Ion Ratio	Lower	Upper	
240	100		
120	10.0	7.5	11.3
236	26.3	20.5	30.7

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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: 77.09 ng

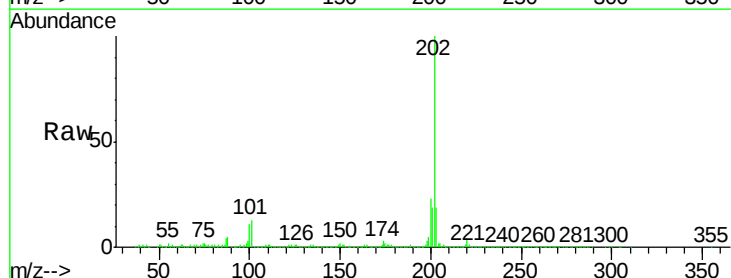
RT: 19.91 min Scan# 2905

Delta R.T. 0.01 min

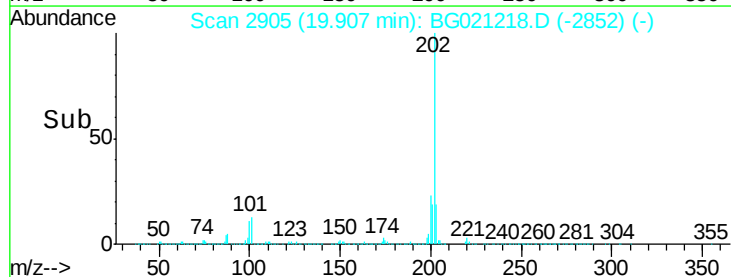
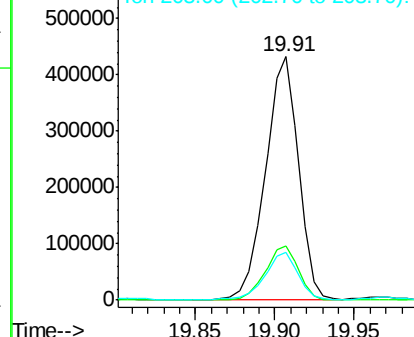
Lab File: BG021218.D

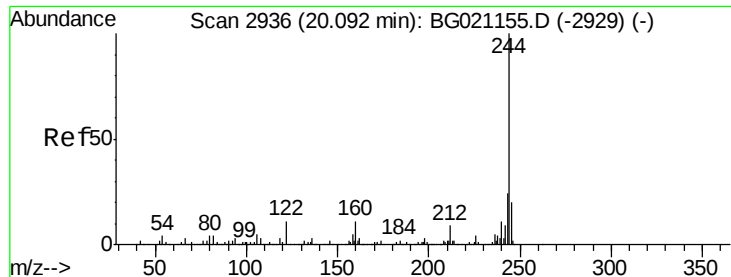
Acq: 2 Mar 2016 18:22

Tgt Ion:	202	Resp:	625357
Ion Ratio	Lower	Upper	
202	100		
200	22.5	16.6	25.0
203	19.4	13.8	20.8



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





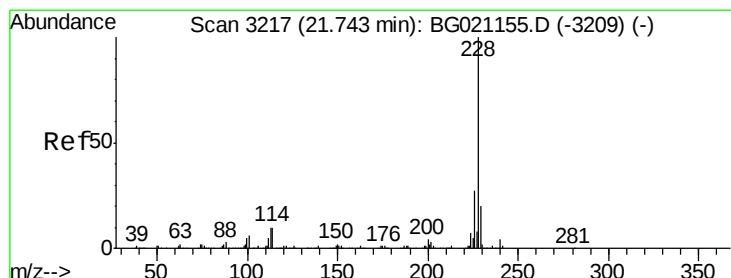
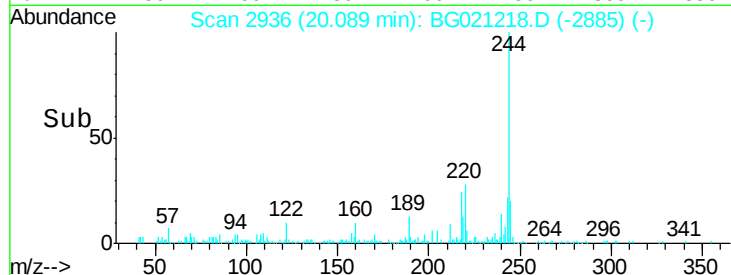
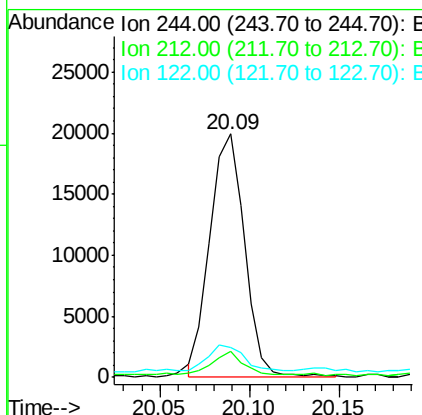
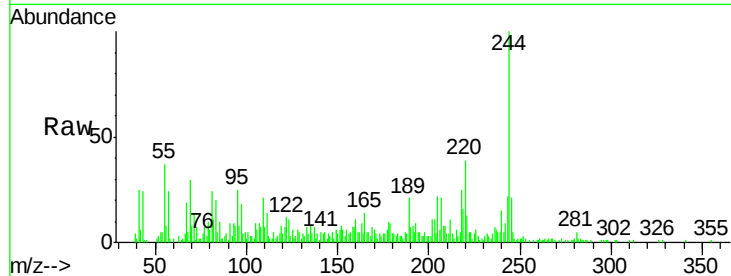
#78
 Terphenyl-d14
 Concen: 4.79 ng/mL
 RT: 20.09 min Scan# 2936
 Delta R.T. -0.00 min
 Lab File: BG021218.D
 Acq: 2 Mar 2016 18:22

Instrument :
 BNA_G
 ClientSampleId :
 P-10RE

Tot Ion	Ratio	Lower	Upper
244	100		
212	10.6	5.8	8.6#
122	12.3	8.3	12.5

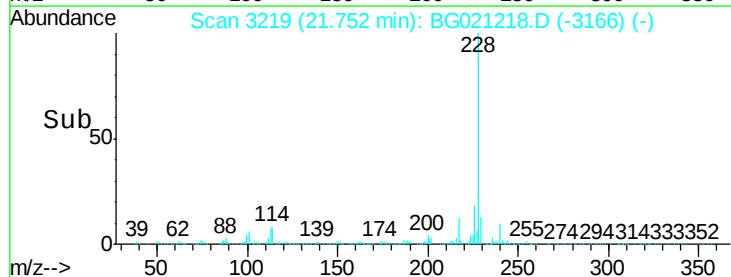
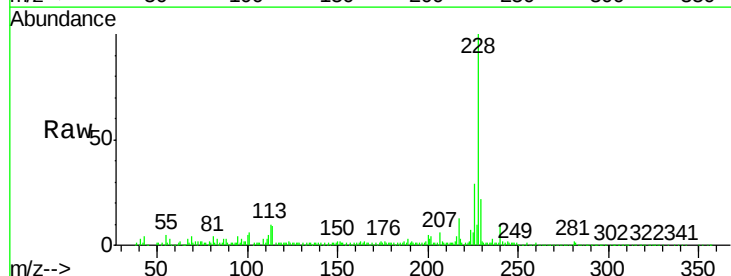
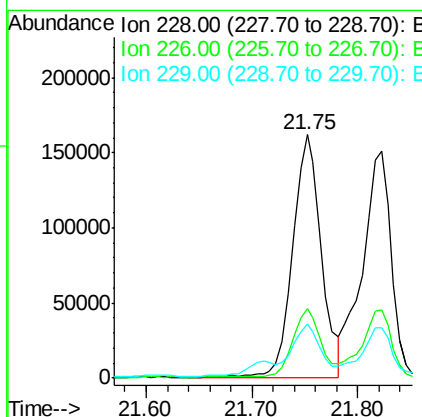
Manual Integrations
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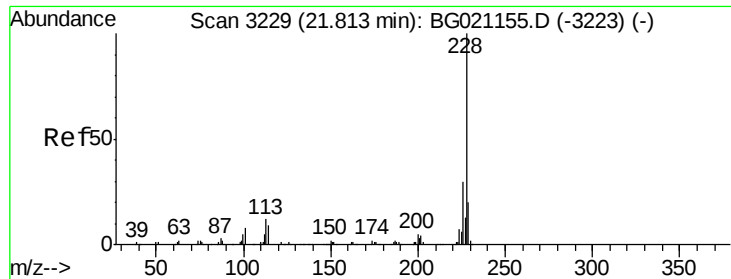
Sohil
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#80
 Benzo(a)anthracene
 Concen: 37.71 ng/mL
 RT: 21.75 min Scan# 3219
 Delta R.T. 0.01 min
 Lab File: BG021218.D
 Acq: 2 Mar 2016 18:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.7	34.1
229	22.3	15.5	23.3





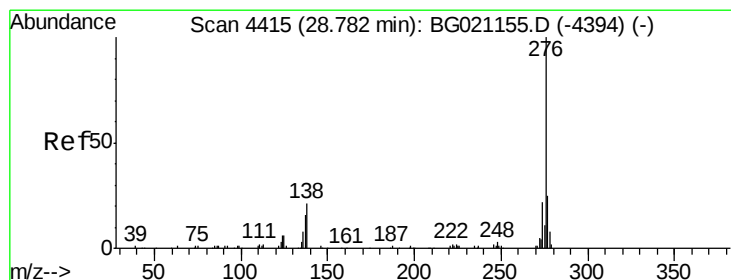
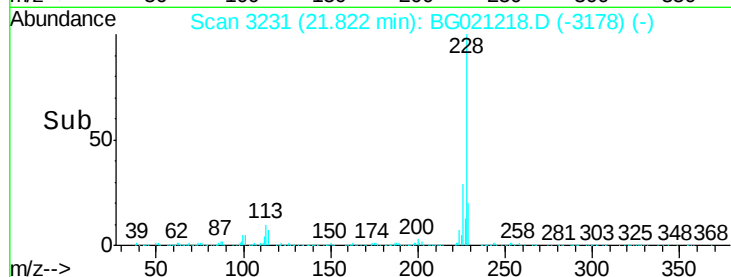
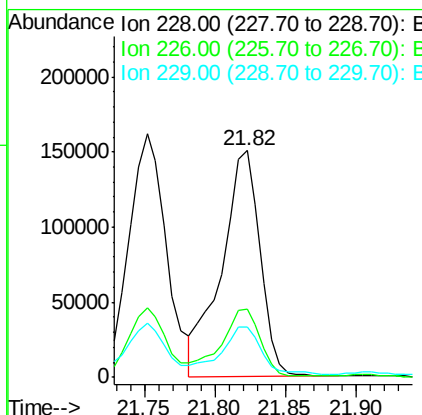
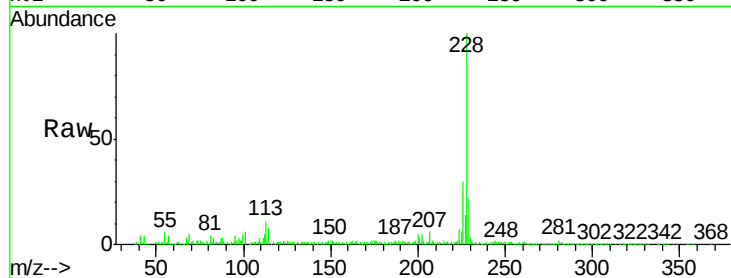
#82
Chrysene
Concen: 37.50 ng
RT: 21.82 min Scan# 3231
Delta R.T. 0.01 min
Lab File: BG021218.D
Acq: 2 Mar 2016 18:22

Instrument :
BNA_G
ClientSampleId :
P-10RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		286076		
226	30.4		23.7	35.5	
229	22.4		16.7	25.1	

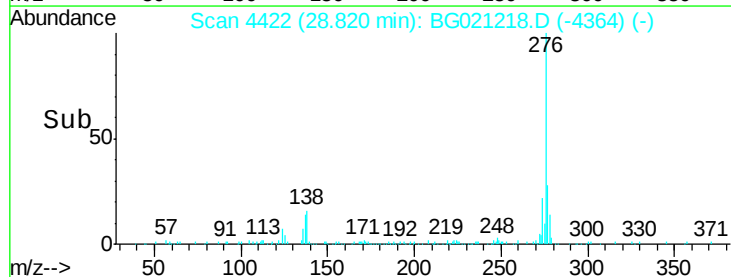
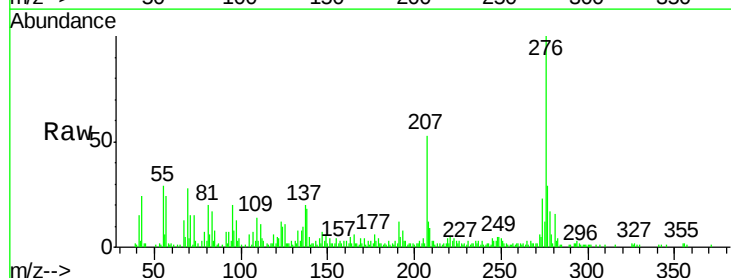
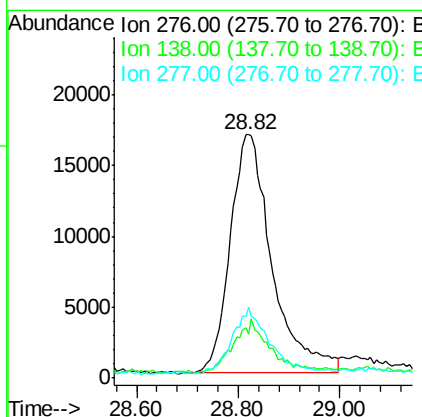
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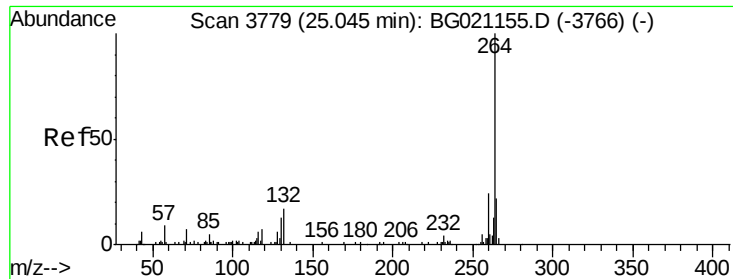
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#85
Indeno(1,2,3-cd)pyrene
Concen: 11.03 ng
RT: 28.82 min Scan# 4422
Delta R.T. 0.04 min
Lab File: BG021218.D
Acq: 2 Mar 2016 18:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100		96454		
138	17.7		16.0	24.0	
277	24.5		16.0	24.0	





#86

Pervlene-d12

Concen: 20.00 ng

RT: 25.07 min Scan# 3783

Delta R.T. 0.02 min

Lab File: BG021218.D

Acq: 2 Mar 2016 18:22

Instrument :

BNA_G

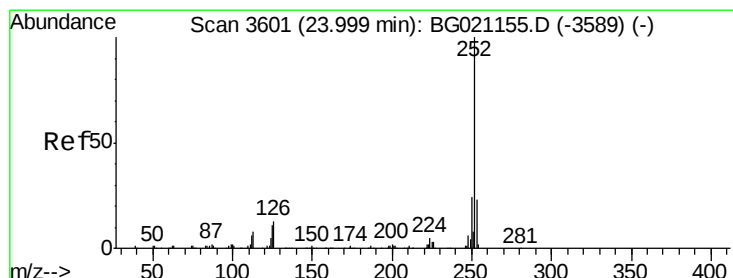
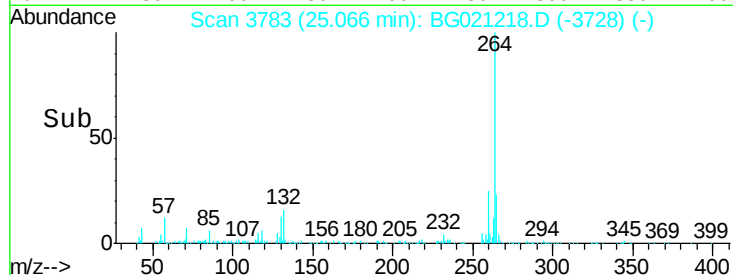
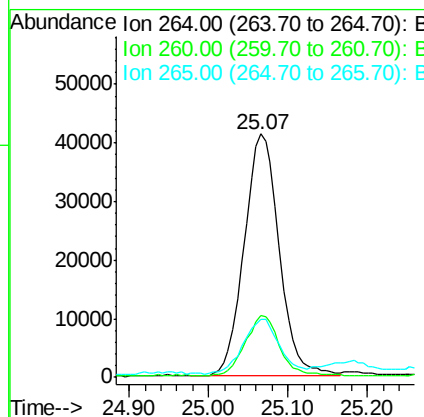
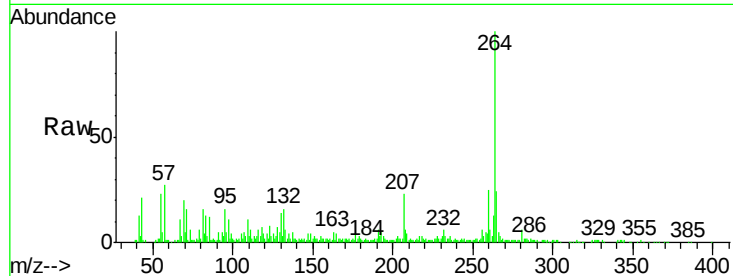
ClientSampled :

P-10RE

Tot Ion:	264	Resp:	127117
Ion Ratio		Lower	Upper
264	100		
260	25.4	18.5	27.7
265	23.7	18.6	28.0

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 42.48 ng

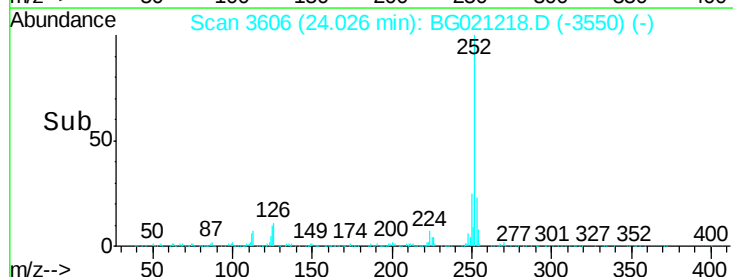
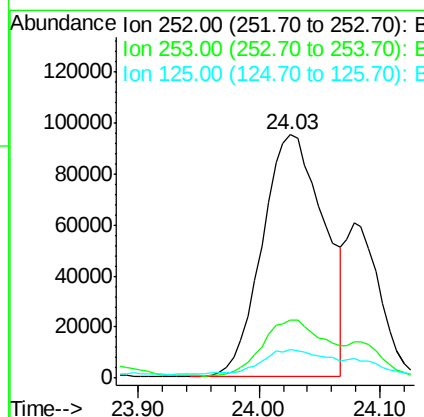
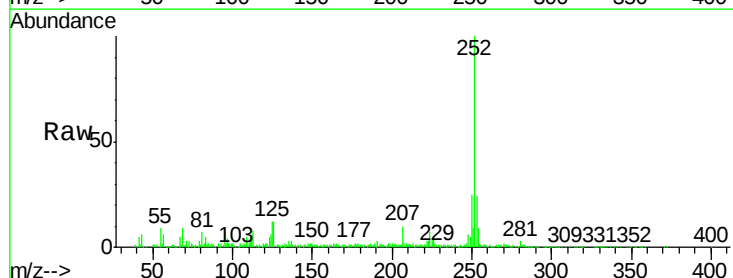
RT: 24.03 min Scan# 3606

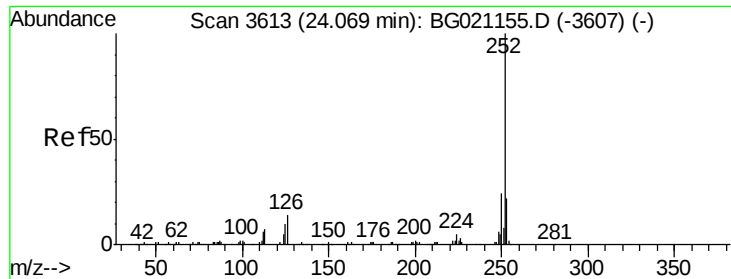
Delta R.T. 0.03 min

Lab File: BG021218.D

Acq: 2 Mar 2016 18:22

Tgt Ion:	252	Resp:	339621
Ion Ratio		Lower	Upper
252	100		
253	23.8	16.8	25.2
125	11.7	8.2	12.2





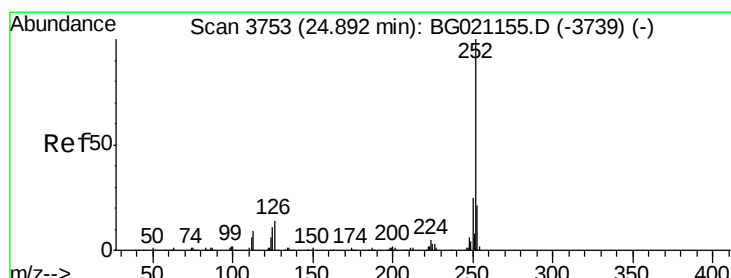
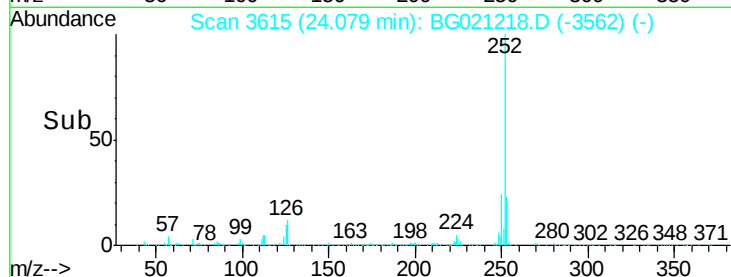
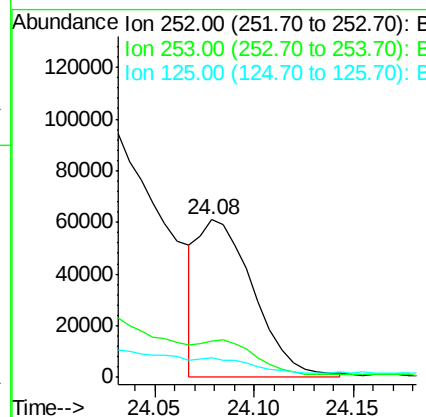
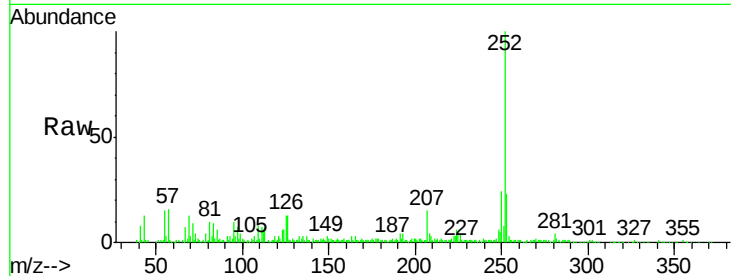
#88
Benzo(k)fluoranthene
Concen: 15.00 ng
RT: 24.08 min Scan# 3615
Delta R.T. 0.01 min
Lab File: BG021218.D
Acq: 2 Mar 2016 18:22

Instrument :
BNA_G
ClientSampleId :
P-10RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.4	24.6
125	12.5	8.2	12.2#

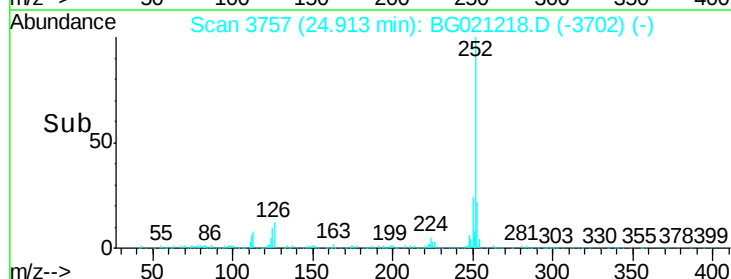
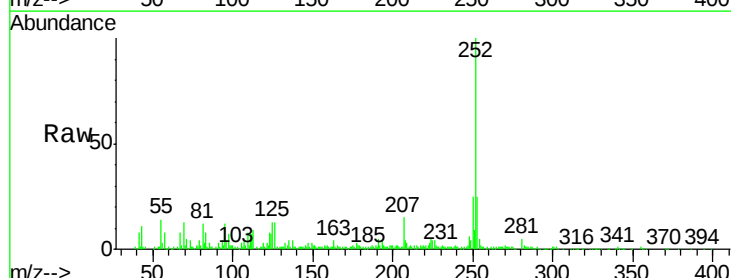
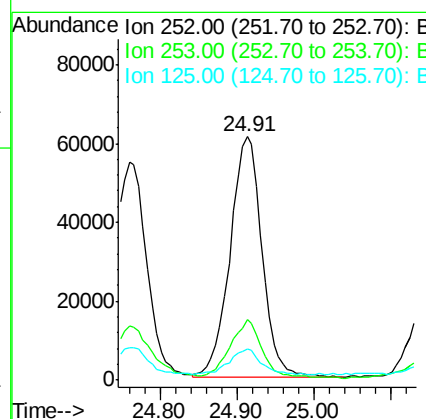
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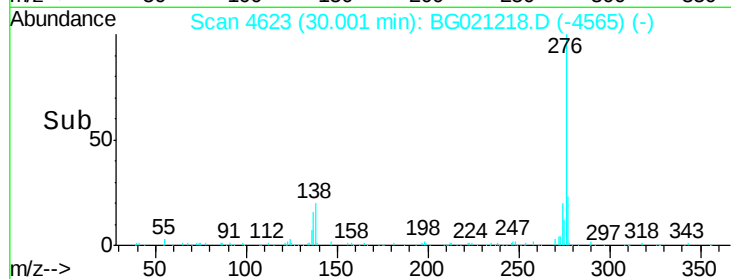
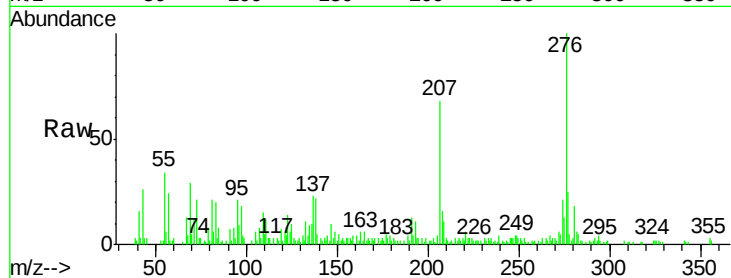
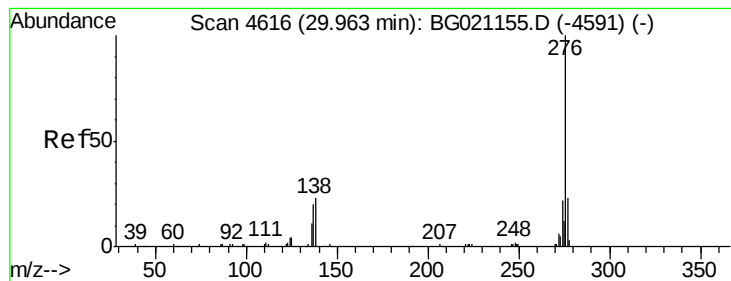
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#89
Benzo(a)pyrene
Concen: 22.96 ng
RT: 24.91 min Scan# 3757
Delta R.T. 0.02 min
Lab File: BG021218.D
Acq: 2 Mar 2016 18:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	15.8	23.8#
125	12.9	8.4	12.6#





#91

Benzo(a,h,i)perylene

Concen: 10.31 ng

RT: 30.00 min Scan# 4623

Delta R.T. 0.04 min

Lab File: BG021218.D

Acq: 2 Mar 2016 18:22

Instrument :

BNA_G

ClientSampleId :

P-10RE

Tot Ion:	276	Resp:	76173
Ion Ratio	Lower	Upper	
276	100		
277	24.6	16.6	25.0
138	21.9	14.6	21.8#

Manual Integrations
APPROVED

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3/3/2016 8:23:17 AM

