

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
 Data File : BG021044.D
 Acq On : 24 Feb 2016 3:15
 Operator : UM/SJ
 Sample : H1507-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-01

Manual Integrations
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Sohil
 2/24/2016 4:29:39 PM

Quant Time: Feb 24 04:39:42 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 24 00:35:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	4937	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	26541	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	15402	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	27120	20.00	ng	0.00
75) Chrysene-d12	21.82	240	17532	20.00	ng	0.00
86) Perylene-d12	25.14	264	15962	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	46130	163.81	ng	0.00
7) Phenol-d6	7.41	99	74204	171.10	ng	0.00
23) Nitrobenzene-d5	9.39	82	48444	107.17	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	28637	155.20	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	120530	108.94	ng	0.00
78) Terphenyl-d14	20.14	244	95350	70.57	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.28	163	20281	16.15	ng	Qvalue # 98
70) Phenanthrene	17.59	178	34260	22.33	ng	98
71) Anthracene	17.69	178	10831	7.09	ng	98
74) Fluoranthene	19.59	202	53544	34.71	ng	99
77) Pyrene	19.95	202	43148	21.54	ng	99
80) Benzo(a)anthracene	21.80	228	17257	16.42	ng	98
82) Chrysene	21.87	228	14830	15.12	ng	98
87) Benzo(b)fluoranthene	24.08	252	14326	13.61	ng	97
88) Benzo(k)fluoranthene	24.14	252	5236m	5.27	ng	
89) Benzo(a)pyrene	24.98	252	8620	9.14	ng	# 93
91) Benzo(g,h,i)perylene	30.09	276	4723	5.57	ng	95

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

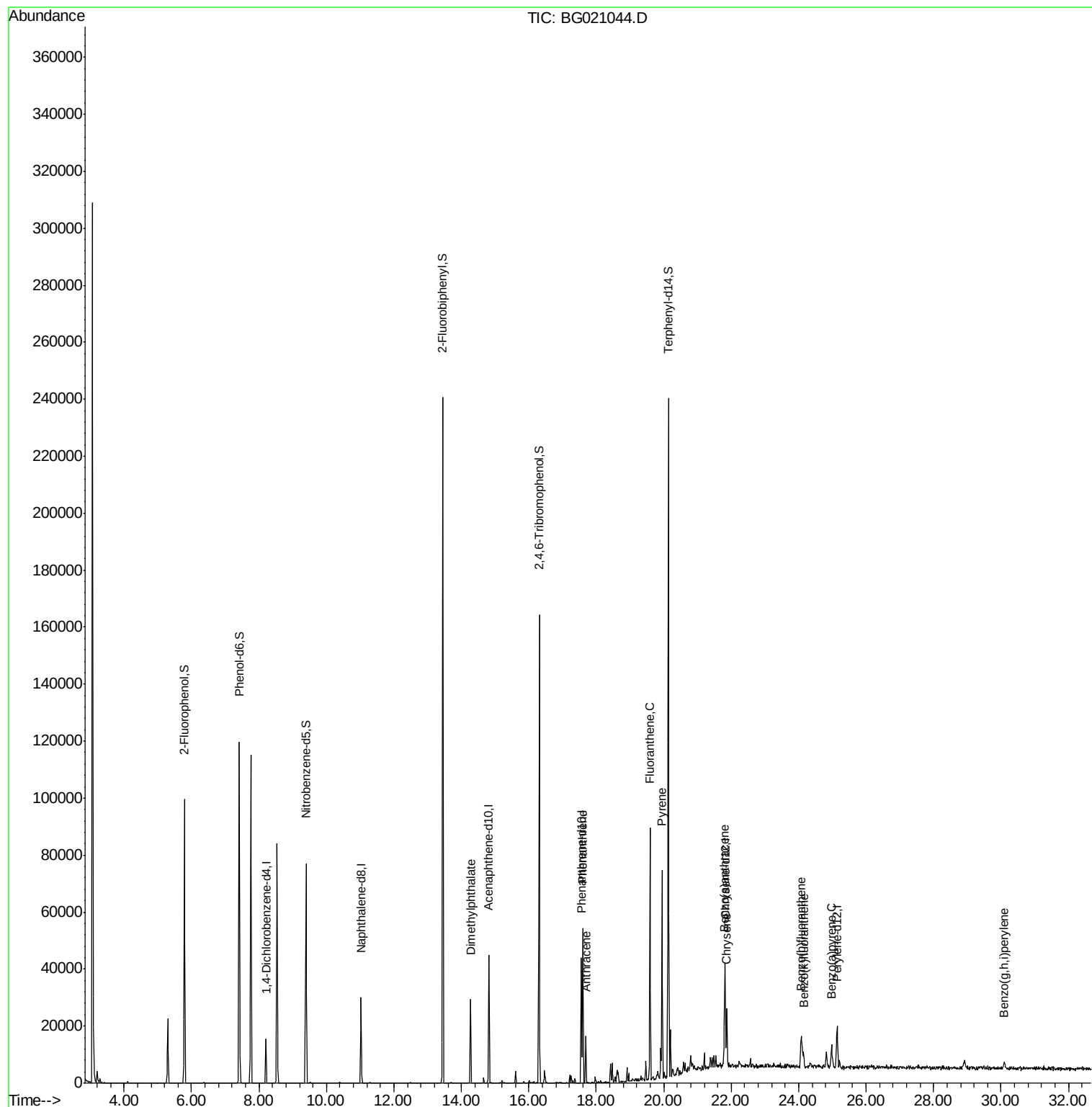
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022316\
Data File : BG021044.D
Acq On : 24 Feb 2016 3:15
Operator : UM/SJ
Sample : H1507-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

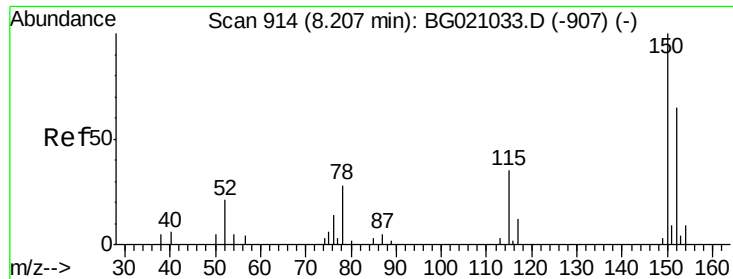
Instrument :
BNA_G
ClientSampleId :
P-01

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#1

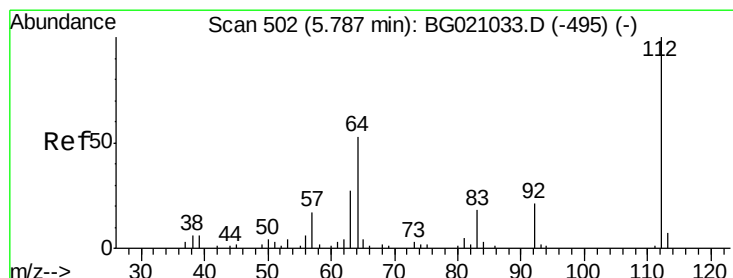
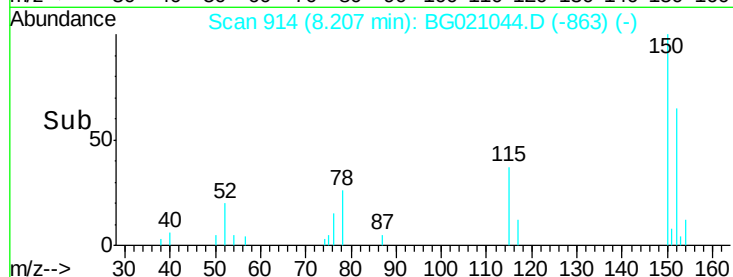
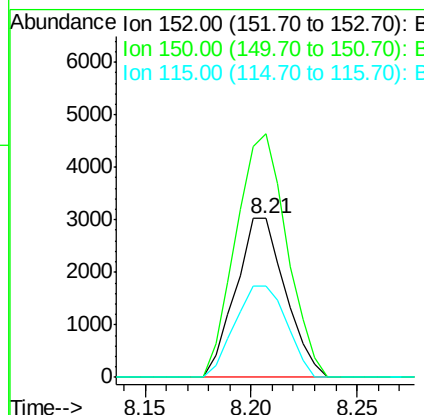
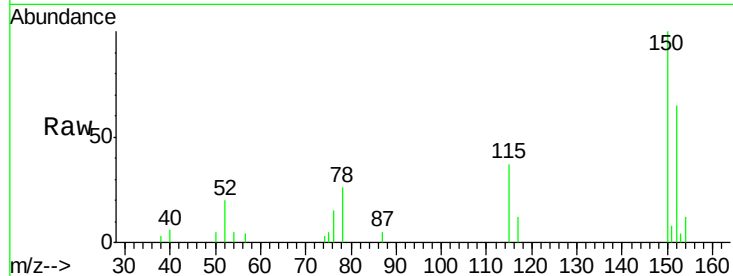
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 914
Delta R.T. -0.00 min
Lab File: BG021044.D
Acq: 24 Feb 2016 3:15

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.4	123.4	185.2
115	57.2	43.3	64.9

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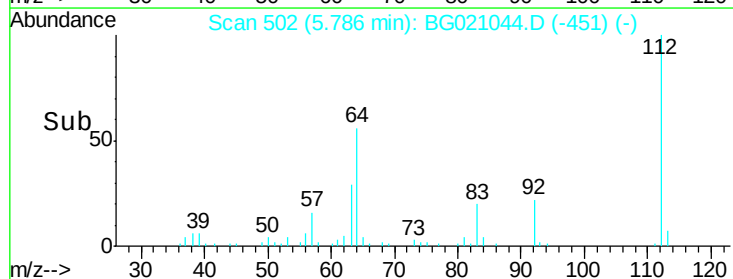
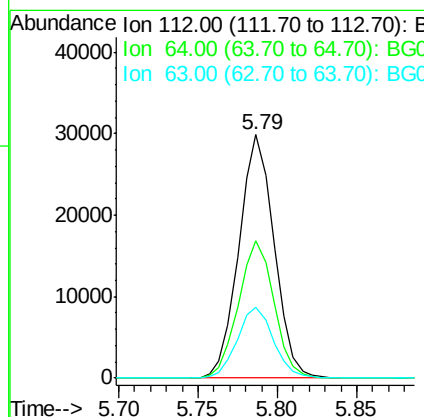
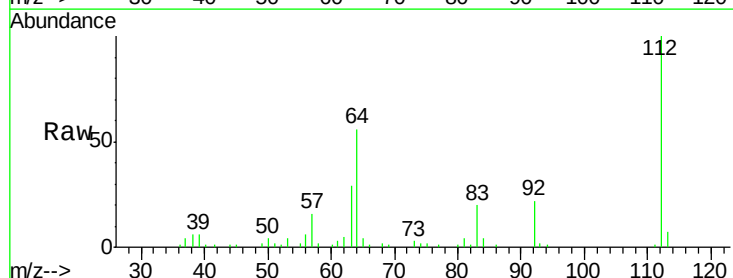
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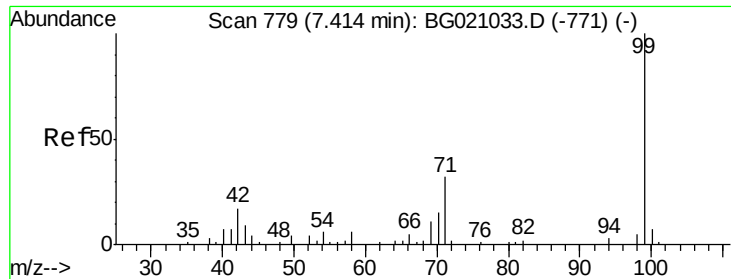


#5

2-Fluorophenol
Concen: 163.81 ng
RT: 5.79 min Scan# 502
Delta R.T. -0.00 min
Lab File: BG021044.D
Acq: 24 Feb 2016 3:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	42.6	63.8
63	29.2	21.7	32.5





#7

Phenol-d6

Concen: 171.10 ng

RT: 7.41 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG021044.D

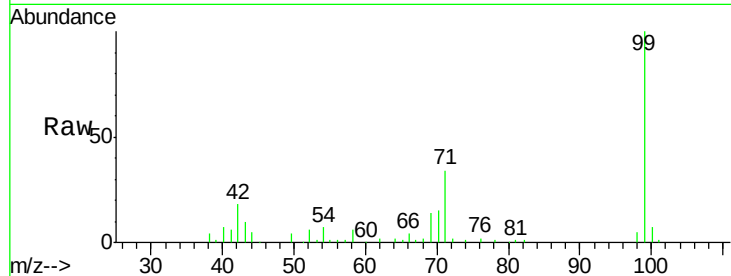
Acq: 24 Feb 2016 3:15

Instrument :

BNA_G

ClientSampled :

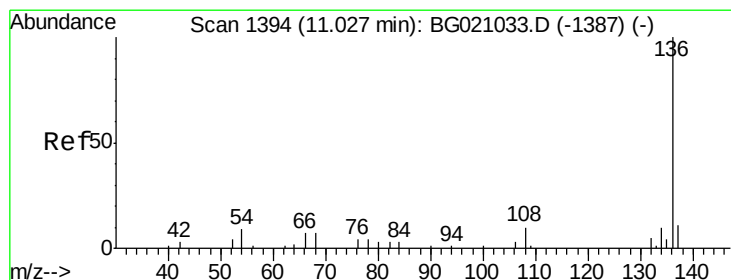
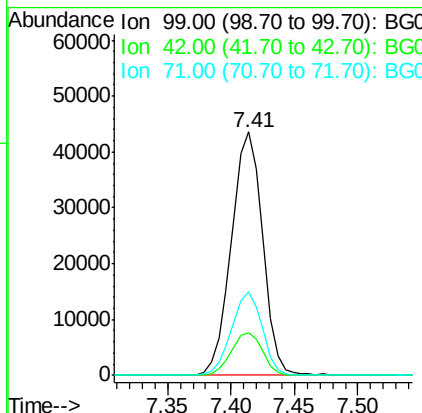
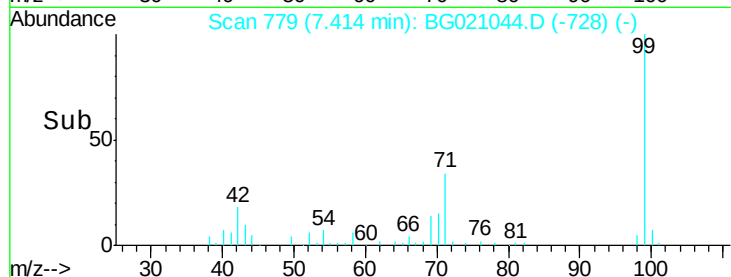
P-01



Tgt Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.2	19.8
71	34.3	25.2	37.8

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#21

Naphthalene-d8

Concen: 20.00 ng

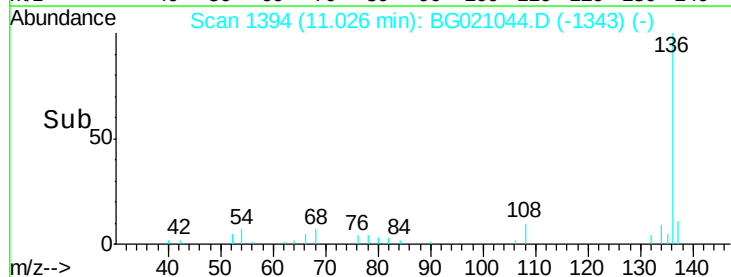
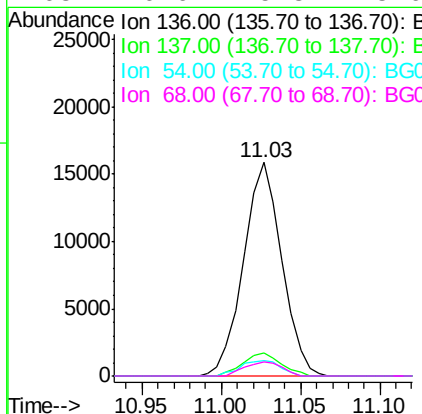
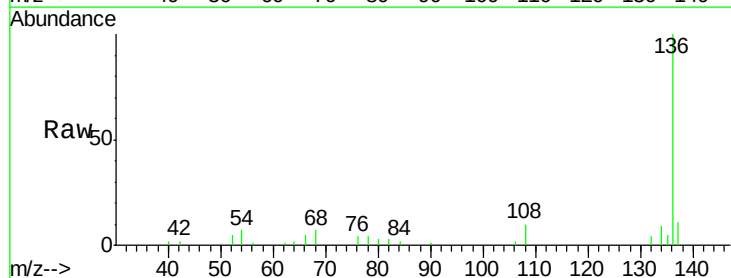
RT: 11.03 min Scan# 1394

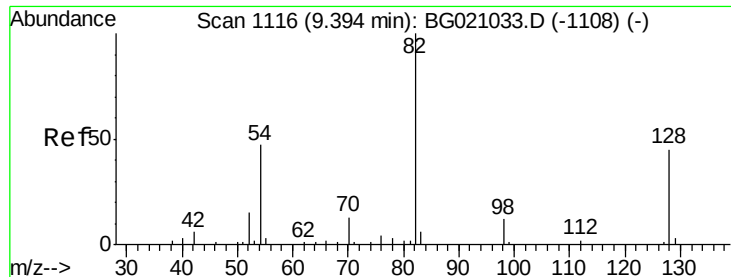
Delta R.T. -0.00 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	7.4	6.9	10.3
68	6.6	5.8	8.6





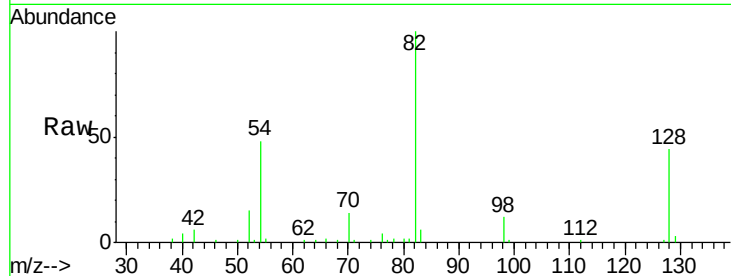
#23
 Nitrobenzene-d5
 Concen: 107.17 ng
 RT: 9.39 min Scan# 1116
 Delta R.T. -0.00 min
 Lab File: BG021044.D
 Acq: 24 Feb 2016 3:15

Instrument :
 BNA_G
 ClientSampled :
 P-01

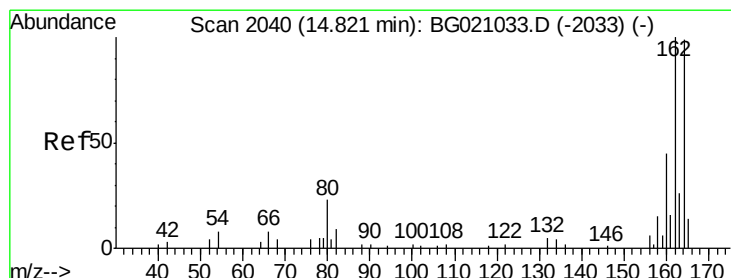
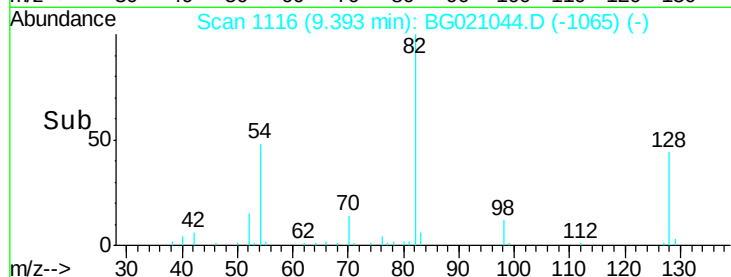
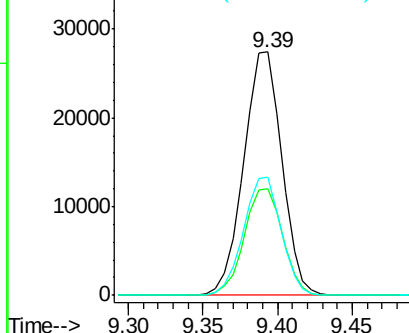
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	48444		
128	43.7	36.3	54.5	
54	48.4	37.6	56.4	

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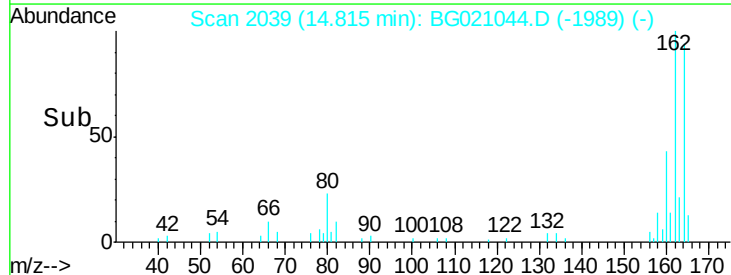
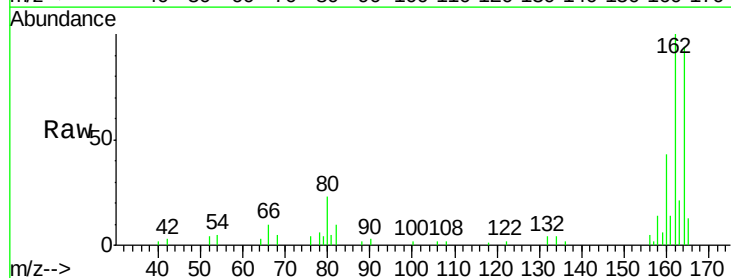
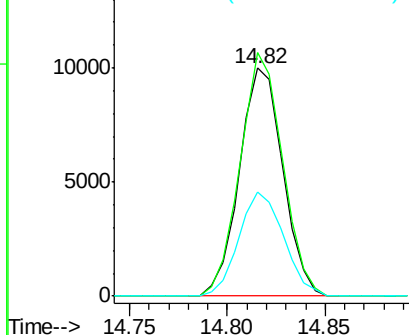
Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

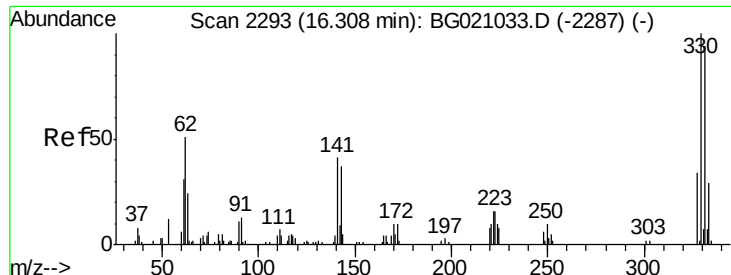


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2039
 Delta R.T. -0.01 min
 Lab File: BG021044.D
 Acq: 24 Feb 2016 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	15402		
162	106.7	80.6	120.8	
160	45.8	36.5	54.7	

Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 155.20 ng

RT: 16.31 min Scan# 2293

Delta R.T. -0.00 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

Instrument :

BNA_G

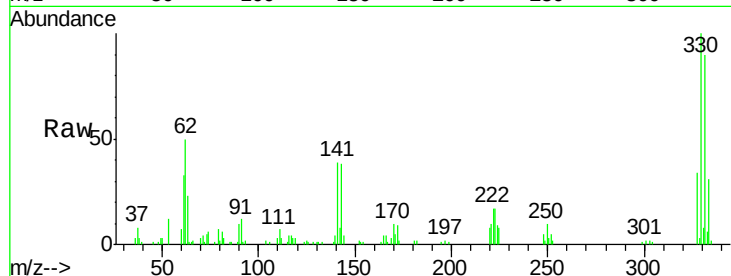
ClientSampled :

P-01

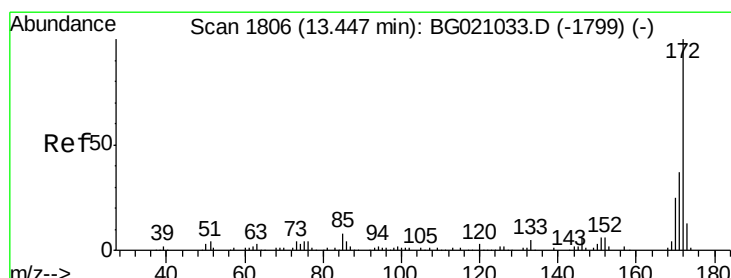
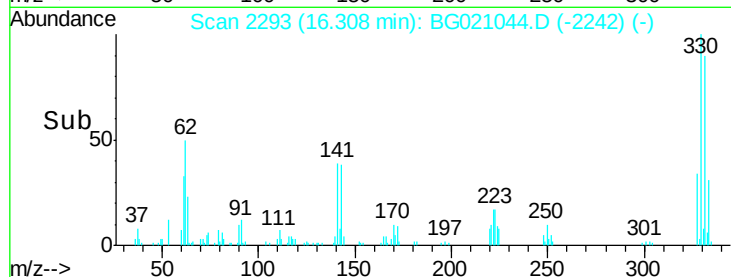
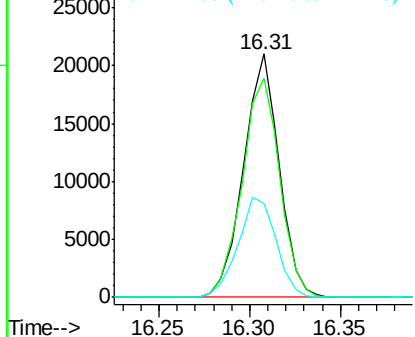
Tgt Ion:	330	Resp:	28637
Ion Ratio	Lower	Upper	
330	100		
332	95.2	77.4	116.0
141	43.8	35.3	52.9

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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: 108.94 ng

RT: 13.45 min Scan# 1806

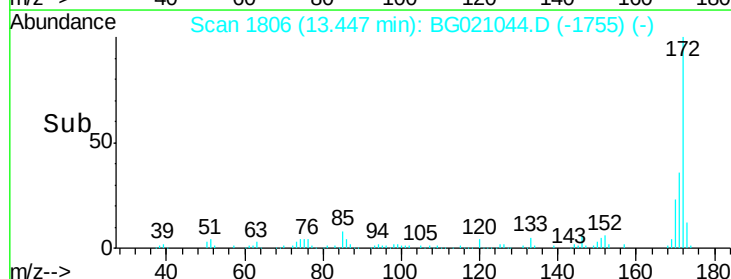
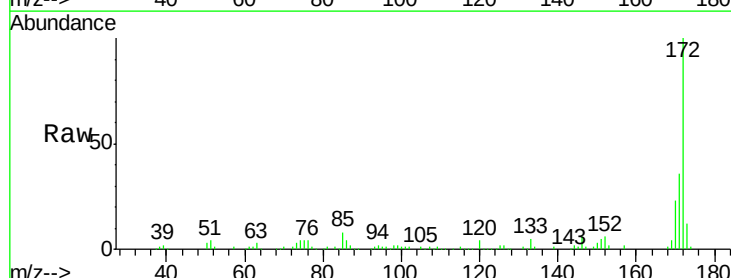
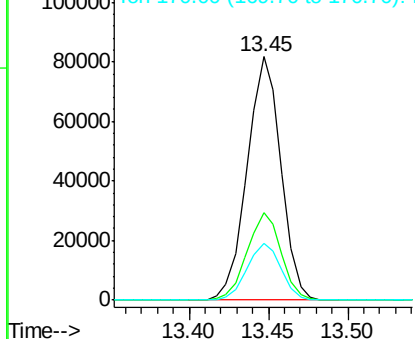
Delta R.T. -0.00 min

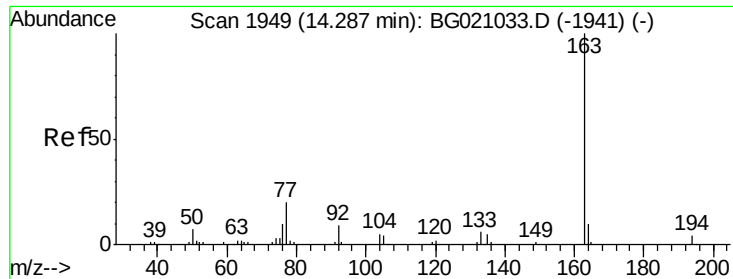
Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

Tgt Ion:	172	Resp:	120530
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.4	44.0
170	23.2	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





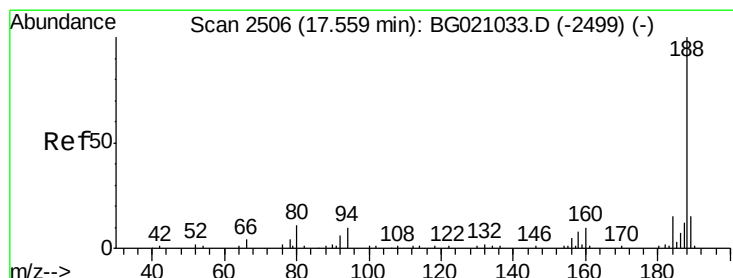
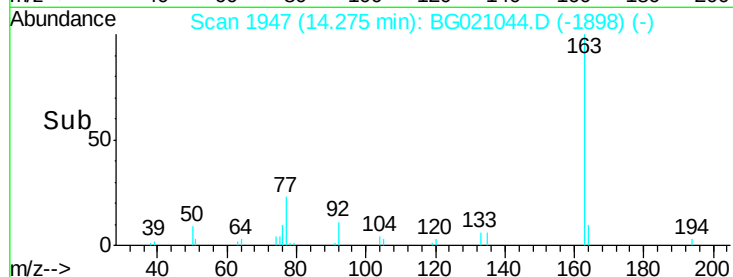
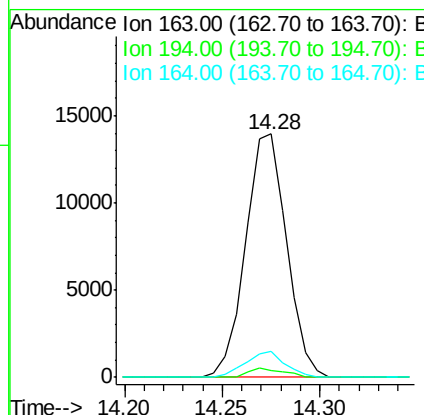
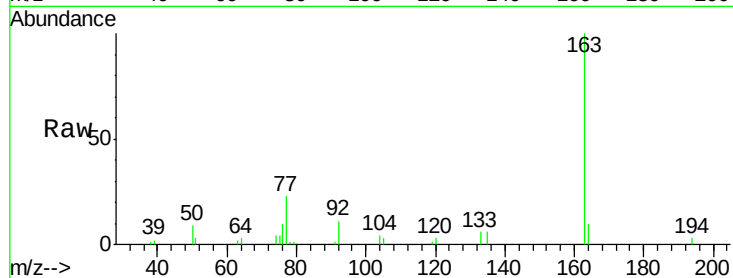
#49
Dimethylphthalate
Concen: 16.15 ng
RT: 14.28 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BG021044.D
Acq: 24 Feb 2016 3:15

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	20281		
194	2.8	2.8	4.2#	
164	10.5	7.9	11.9	

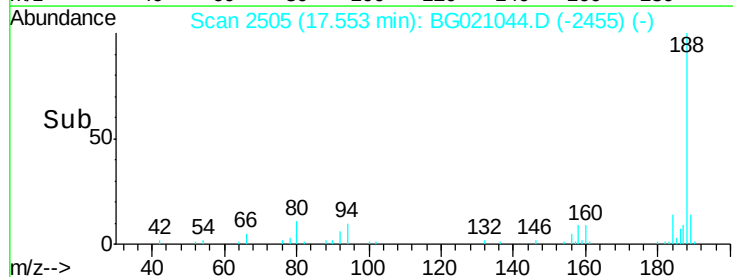
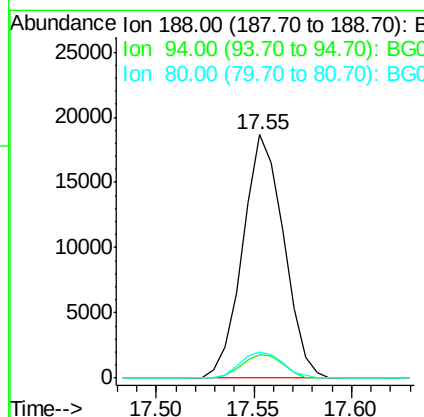
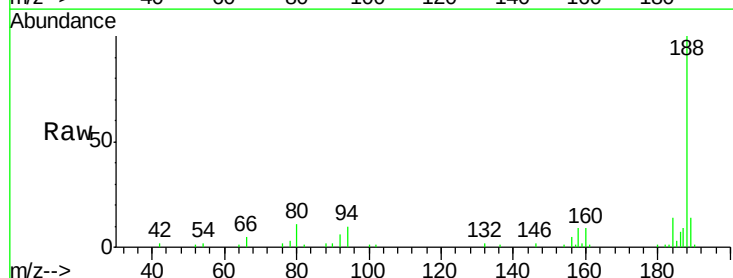
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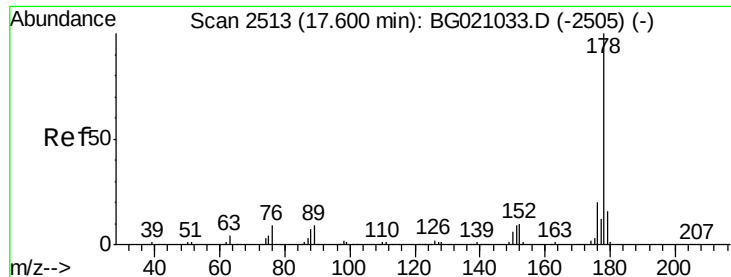
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.55 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BG021044.D
Acq: 24 Feb 2016 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	27120		
94	9.5	8.2	12.4	
80	10.8	9.2	13.8	





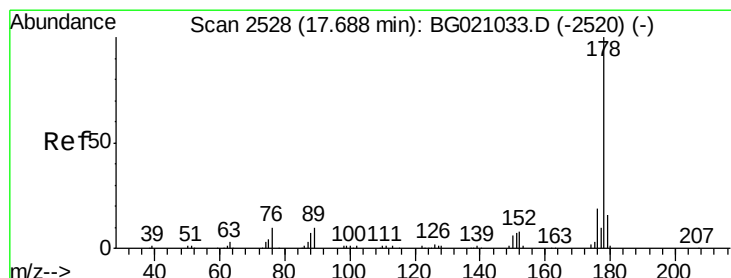
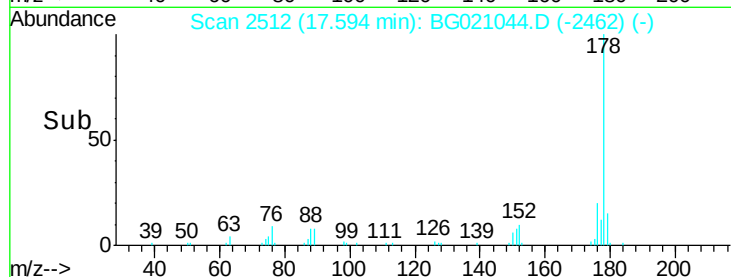
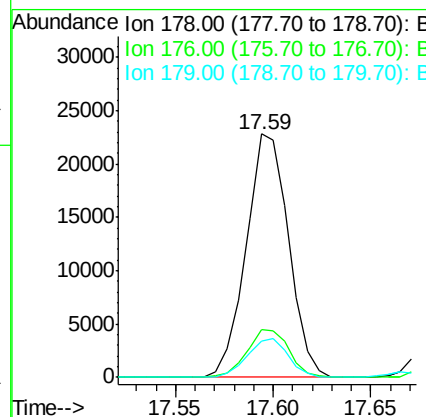
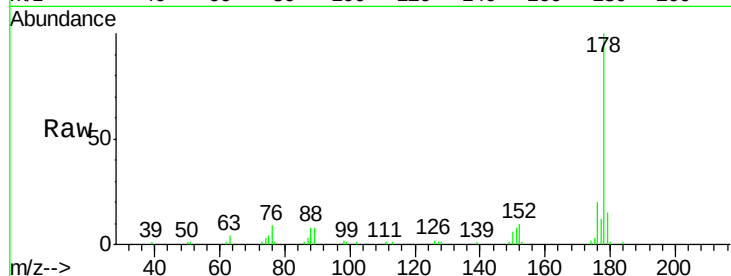
#70
 Phenanthrene
 Concen: 22.33 ng
 RT: 17.59 min Scan# 2512
 Delta R.T. -0.01 min
 Lab File: BG021044.D
 Acq: 24 Feb 2016 3:15

Instrument :
 BNA_G
 ClientSampleId :
 P-01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	14.9	12.9	19.3

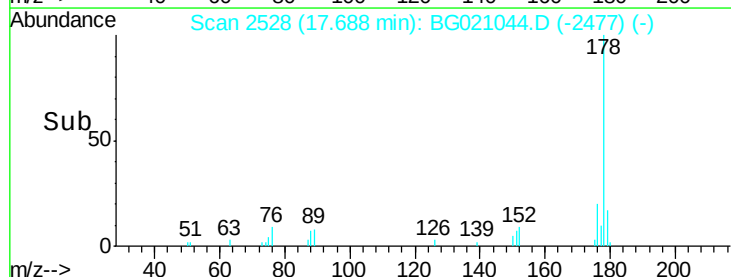
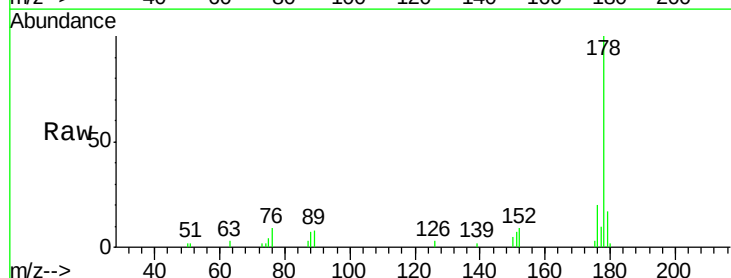
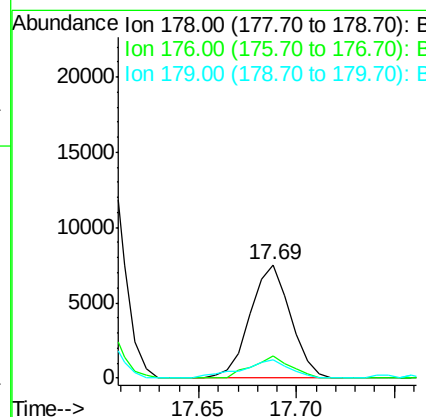
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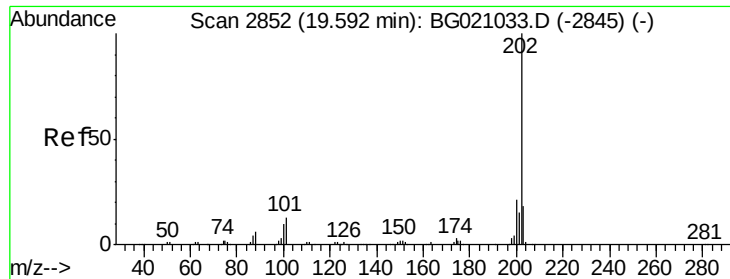
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#71
 Anthracene
 Concen: 7.09 ng
 RT: 17.69 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: BG021044.D
 Acq: 24 Feb 2016 3:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	14.8	22.2
179	16.5	12.6	19.0





#74

Fluoranthene

Concen: 34.71 ng

RT: 19.59 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

Instrument :

BNA_G

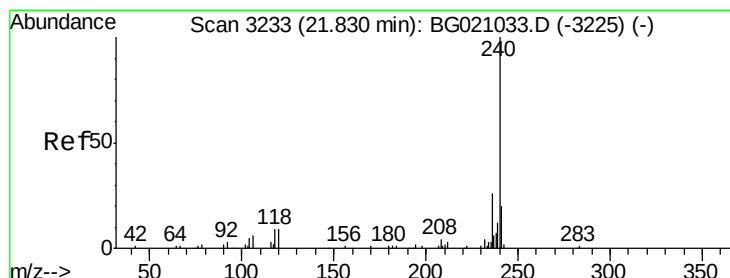
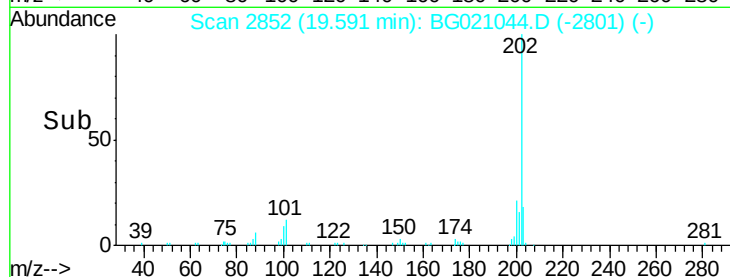
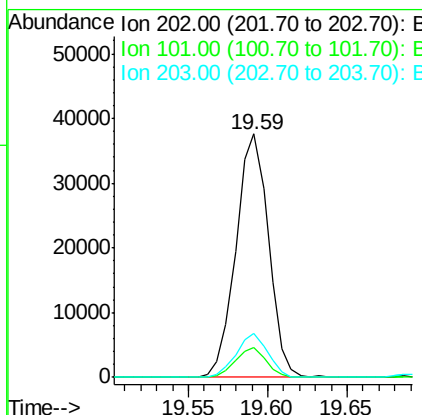
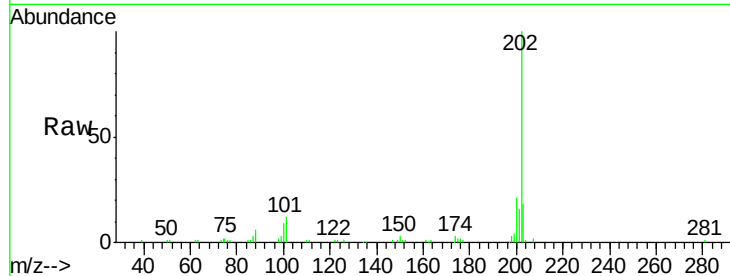
ClientSampleId :

P-01

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		53544		
101	12.3	0.0	32.5		
203	18.2	0.0	37.6		

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#75

Chrysene-d12

Concen: 20.00 ng

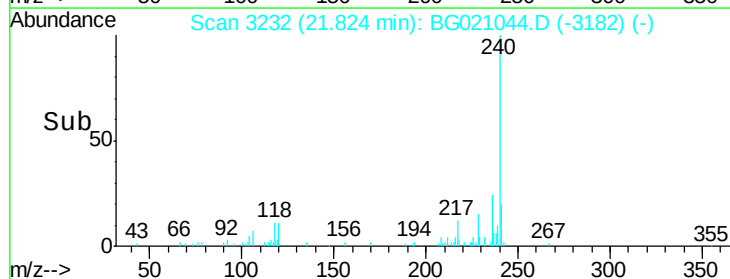
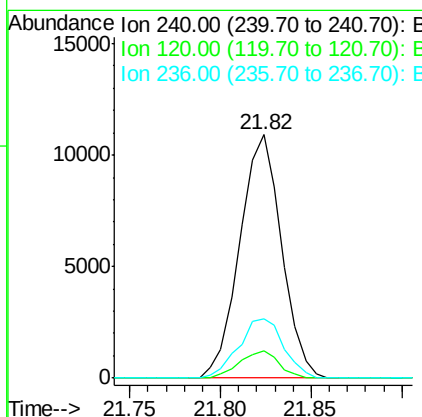
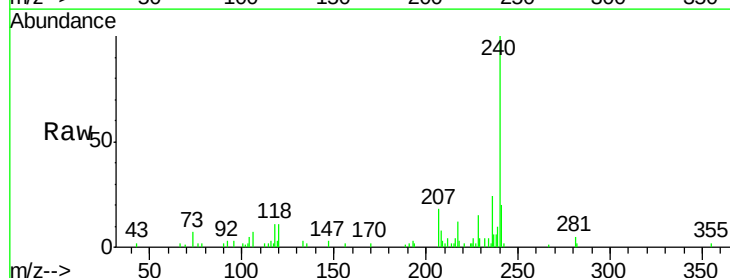
RT: 21.82 min Scan# 3232

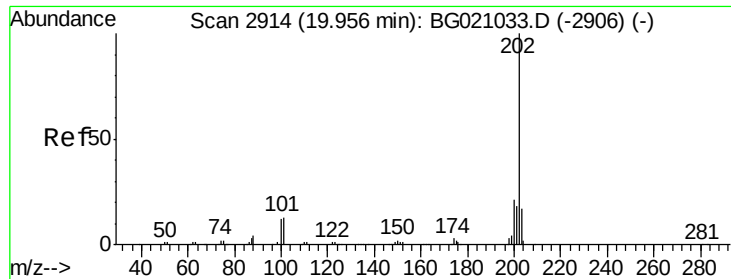
Delta R.T. -0.01 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		17532		
120	11.3	7.5	11.3		
236	24.4	20.5	30.7		





#77

Pyrene

Concen: 21.54 ng

RT: 19.95 min Scan# 2913

Delta R.T. -0.01 min

Lab File: BG021044.D

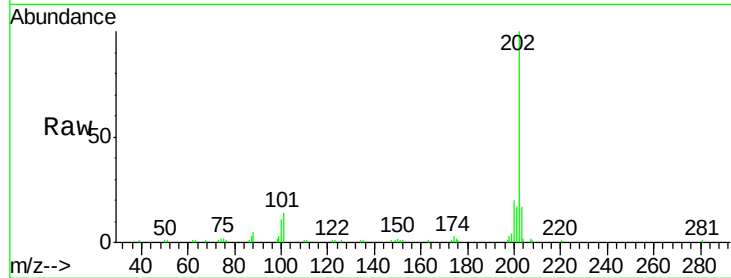
Acq: 24 Feb 2016 3:15

Instrument :

BNA_G

ClientSampleId :

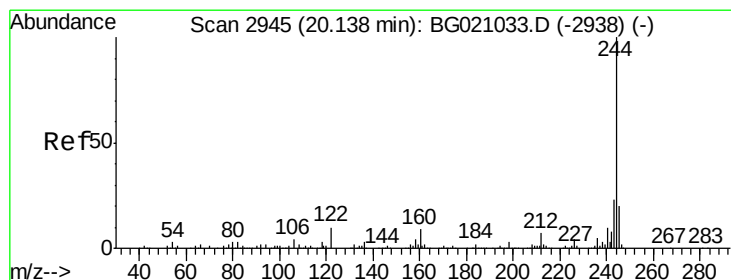
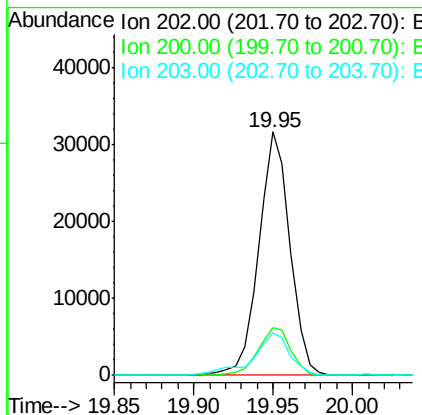
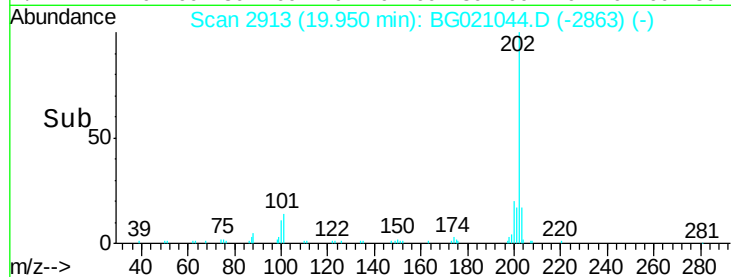
P-01



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	43148		
200	19.6	16.6	25.0	
203	17.4	13.8	20.8	

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#78

Terphenyl-d14

Concen: 70.57 ng

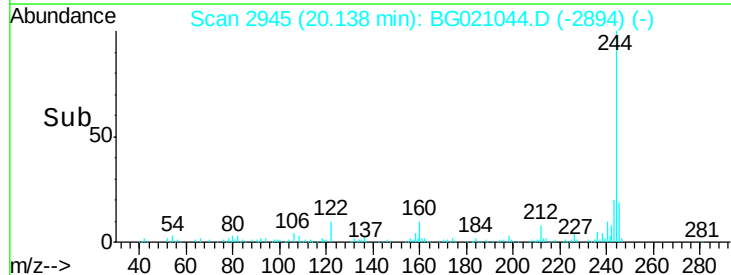
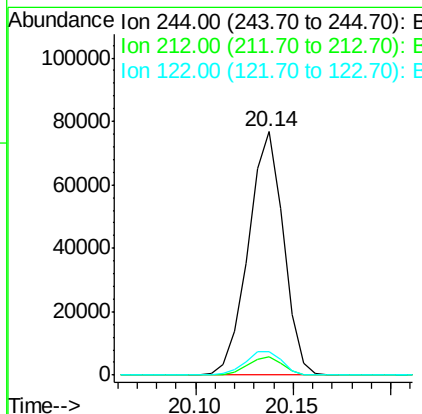
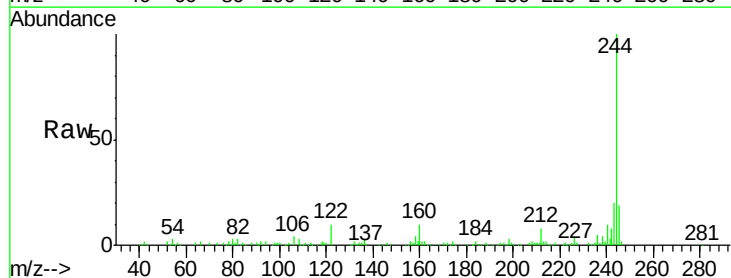
RT: 20.14 min Scan# 2945

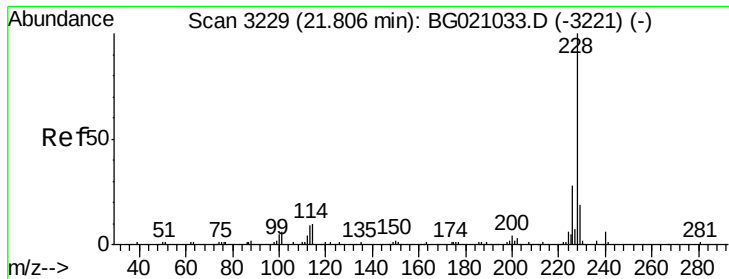
Delta R.T. -0.00 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	95350		
212	7.6	5.8	8.6	
122	9.9	8.3	12.5	





#80

Benzo(a)anthracene

Concen: 16.42 ng

RT: 21.80 min Scan# 3228

Delta R.T. -0.01 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

Instrument :

BNA_G

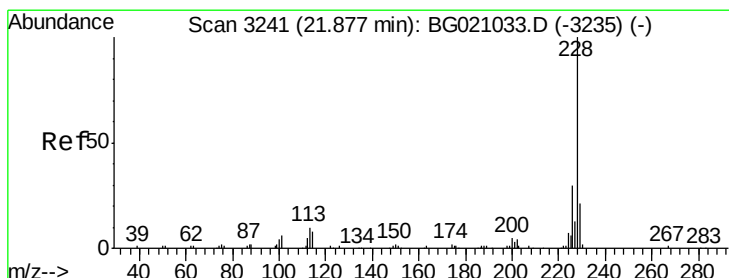
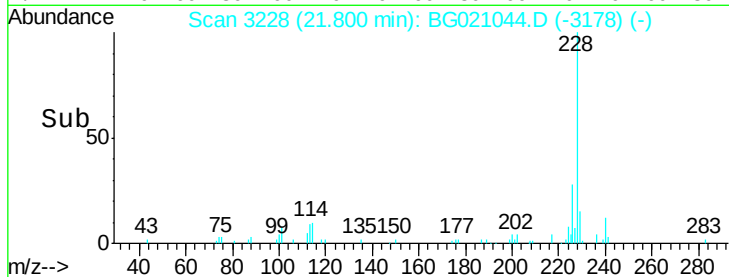
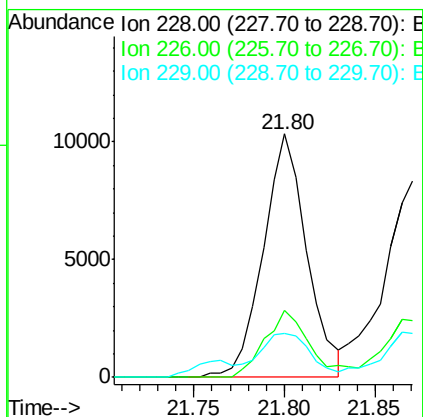
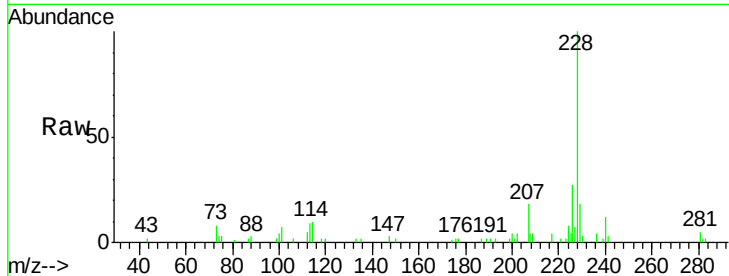
ClientSampled :

P-01

Tgt Ion:	228	Resp:	17257
Ion Ratio	Lower	Upper	
228	100		
226	27.4	22.7	34.1
229	18.1	15.5	23.3

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#82

Chrysene

Concen: 15.12 ng

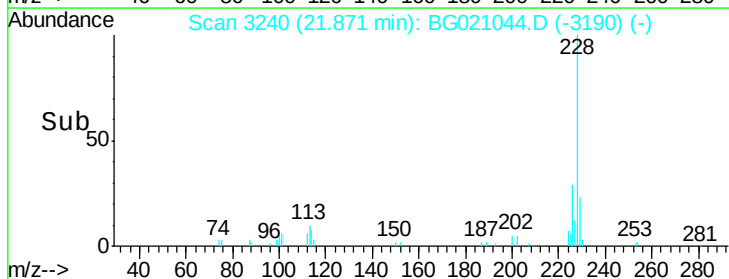
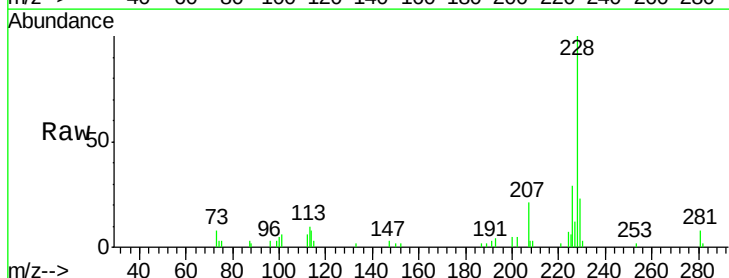
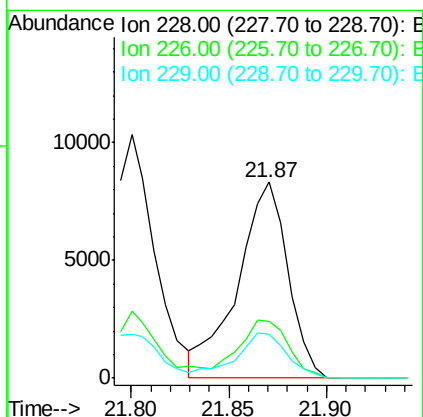
RT: 21.87 min Scan# 3240

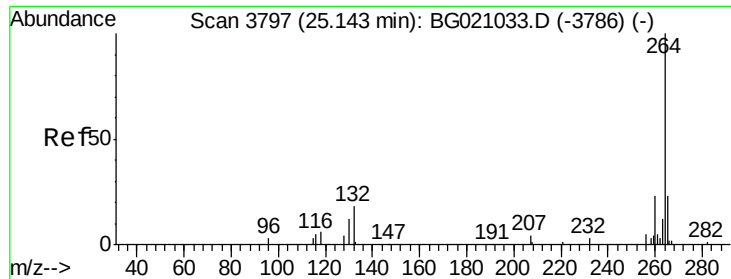
Delta R.T. -0.01 min

Lab File: BG021044.D

Acq: 24 Feb 2016 3:15

Tgt Ion:	228	Resp:	14830
Ion Ratio	Lower	Upper	
228	100		
226	28.9	23.7	35.5
229	22.6	16.7	25.1





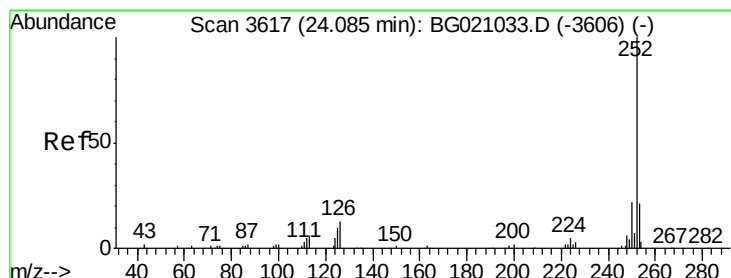
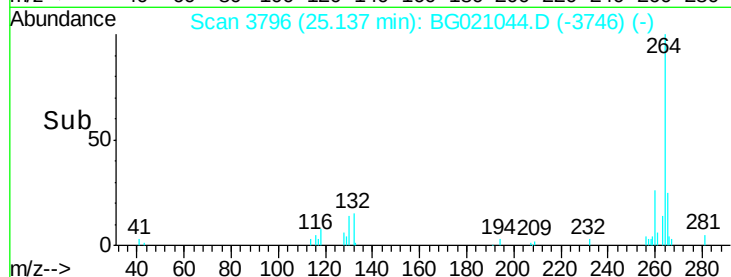
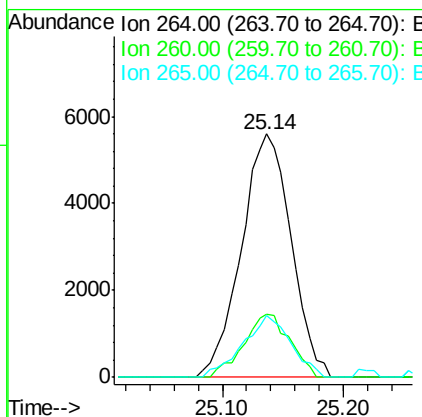
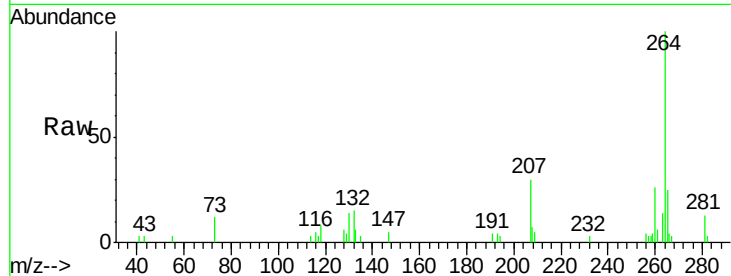
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.14 min Scan# 3796
Delta R.T. -0.01 min
Lab File: BG021044.D
Acq: 24 Feb 2016 3:15

Instrument :
BNA_G
ClientSampleId :
P-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	26.1	18.5	27.7
265	25.2	18.6	28.0

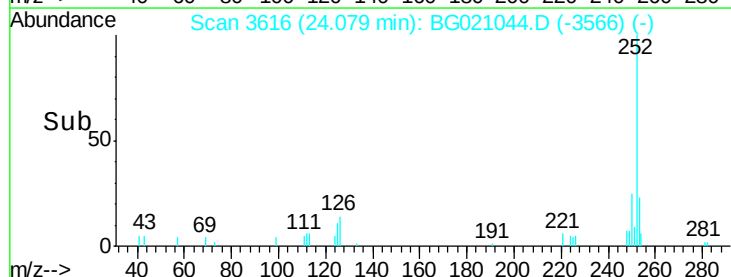
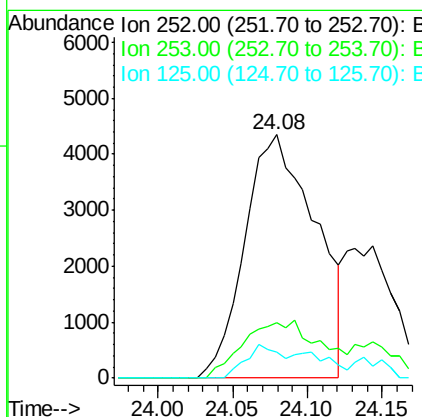
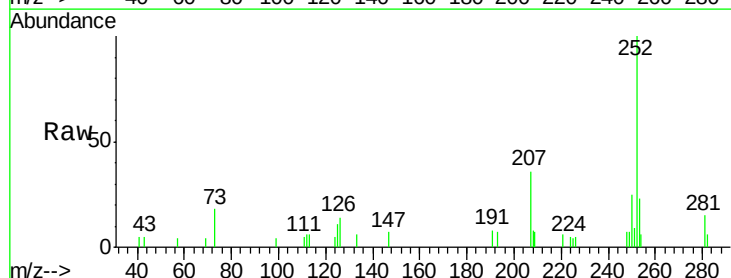
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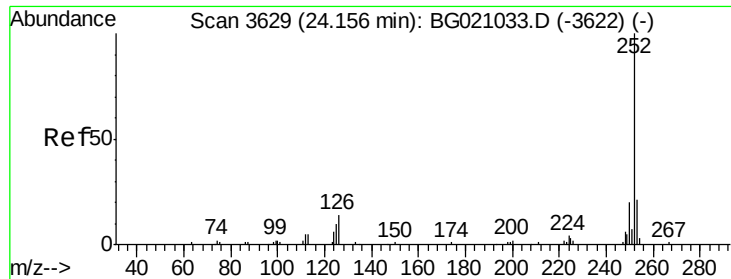
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#87
Benzo(b)fluoranthene
Concen: 13.61 ng
RT: 24.08 min Scan# 3616
Delta R.T. -0.01 min
Lab File: BG021044.D
Acq: 24 Feb 2016 3:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.0	16.8	25.2
125	10.7	8.2	12.2





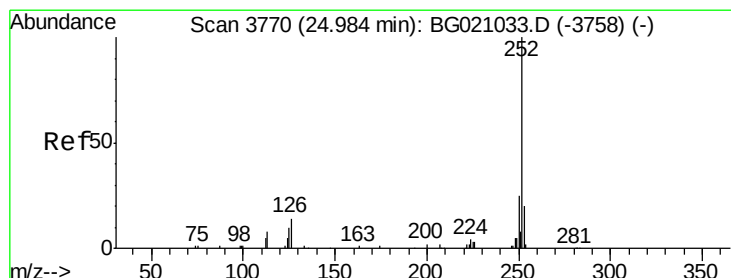
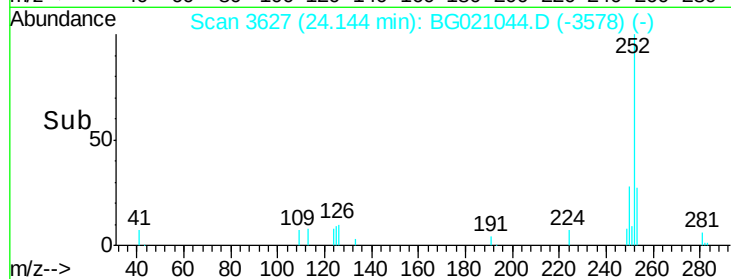
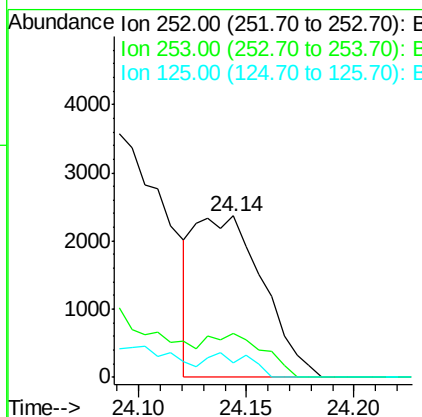
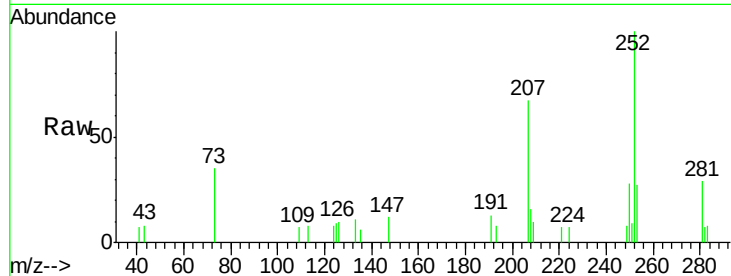
#88
Benzo(k)fluoranthene
Concen: 5.27 ng m
RT: 24.14 min Scan# 3627
Delta R.T. -0.01 min
Lab File: BG021044.D
Acq: 24 Feb 2016 3:15

Instrument :
BNA_G
ClientSampled :
P-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	16.4	24.6#
125	8.6	8.2	12.2

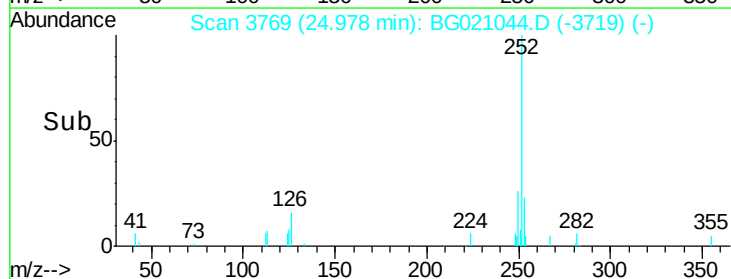
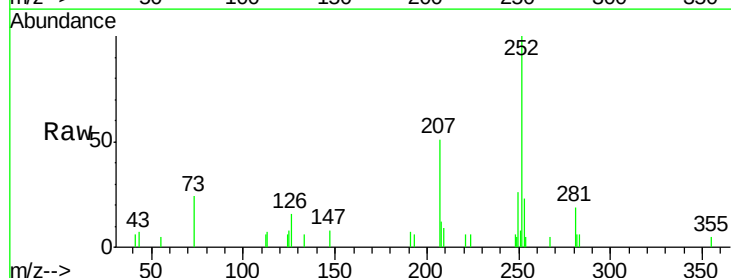
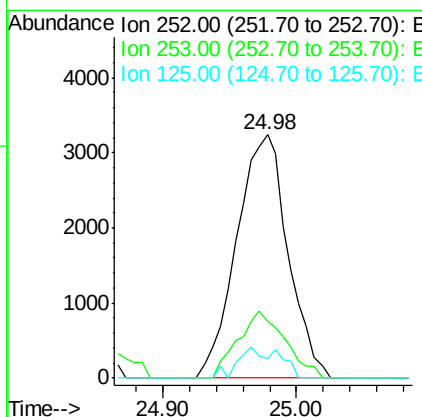
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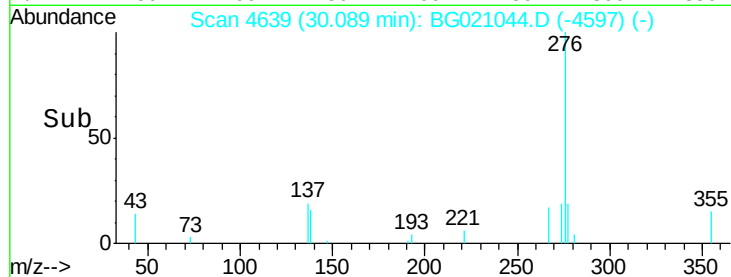
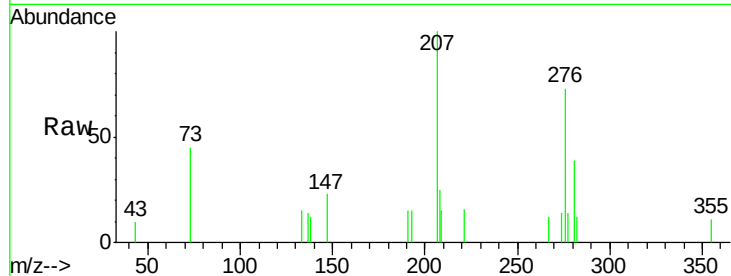
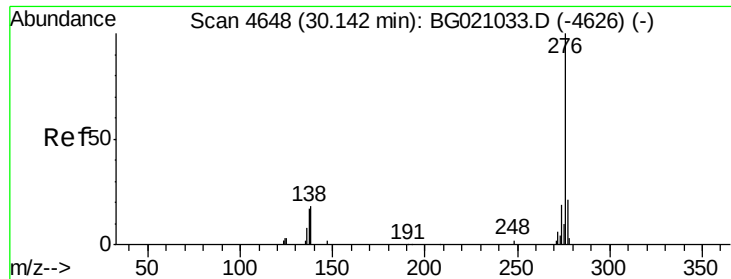
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#89
Benzo(a)pyrene
Concen: 9.14 ng
RT: 24.98 min Scan# 3769
Delta R.T. -0.01 min
Lab File: BG021044.D
Acq: 24 Feb 2016 3:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	15.8	23.8
125	8.1	8.4	12.6#





#91
 Benzo(g,h,i)perylene
 Concen: 5.57 ng
 RT: 30.09 min Scan# 4639
 Delta R.T. -0.05 min
 Lab File: BG021044.D
 Acq: 24 Feb 2016 3:15

Instrument :
 BNA_G
 ClientSampleId :
 P-01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	18.9	16.6	25.0
138	15.8	14.6	21.8

Manual Integrations
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