

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
 Data File : BG020079.D
 Acq On : 10 Dec 2015 17:17
 Operator : UM/SJ
 Sample : G4683-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S29-15

Manual Integrations
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MMdadoda
 12/11/2015 6:02:27 PM

Quant Time: Dec 11 05:48:36 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 02 18:50:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	17636	20.00	ng	-0.03
21) Naphthalene-d8	10.93	136	77216	20.00	ng	-0.02
38) Acenaphthene-d10	14.74	164	54181	20.00	ng	-0.03
63) Phenanthrene-d10	17.48	188	132428	20.00	ng	-0.03
75) Chrysene-d12	21.75	240	162196	20.00	ng	-0.04
86) Perylene-d12	25.03	264	154959	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	114378	117.22	ng	-0.01
7) Phenol-d6	7.26	99	174492	118.44	ng	-0.01
23) Nitrobenzene-d5	9.28	82	116060	76.71	ng	-0.02
41) 2,4,6-Tribromophenol	16.22	330	74664	90.06	ng	-0.02
44) 2-Fluorobiphenyl	13.36	172	241117	60.76	ng	-0.03
78) Terphenyl-d14	20.08	244	400451	60.22	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	14.18	163	73787	15.14	ng	96
51) Acenaphthene	14.80	154	8109	2.29	ng	99
57) Fluorene	15.78	166	9570	2.03	ng	98
70) Phenanthrene	17.52	178	161140	21.51	ng	97
71) Anthracene	17.61	178	31649m	4.15	ng	
72) Carbazole	17.88	167	17431	2.59	ng	97
74) Fluoranthene	19.52	202	201478	21.02	ng	93
77) Pyrene	19.88	202	174377	18.27	ng	96
80) Benzo(a)anthracene	21.73	228	93224	9.39	ng	97
82) Chrysene	21.80	228	83000	8.80	ng	96
85) Indeno(1,2,3-cd)pyrene	28.77	276	41385	3.99	ng	# 100
87) Benzo(b)fluoranthene	23.98	252	91866m	9.35	ng	
88) Benzo(k)fluoranthene	24.05	252	38662m	3.97	ng	
89) Benzo(a)pyrene	24.87	252	71808m	7.70	ng	
91) Benzo(a,h,i)perylene	29.93	276	37872	4.19	ng	# 88

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

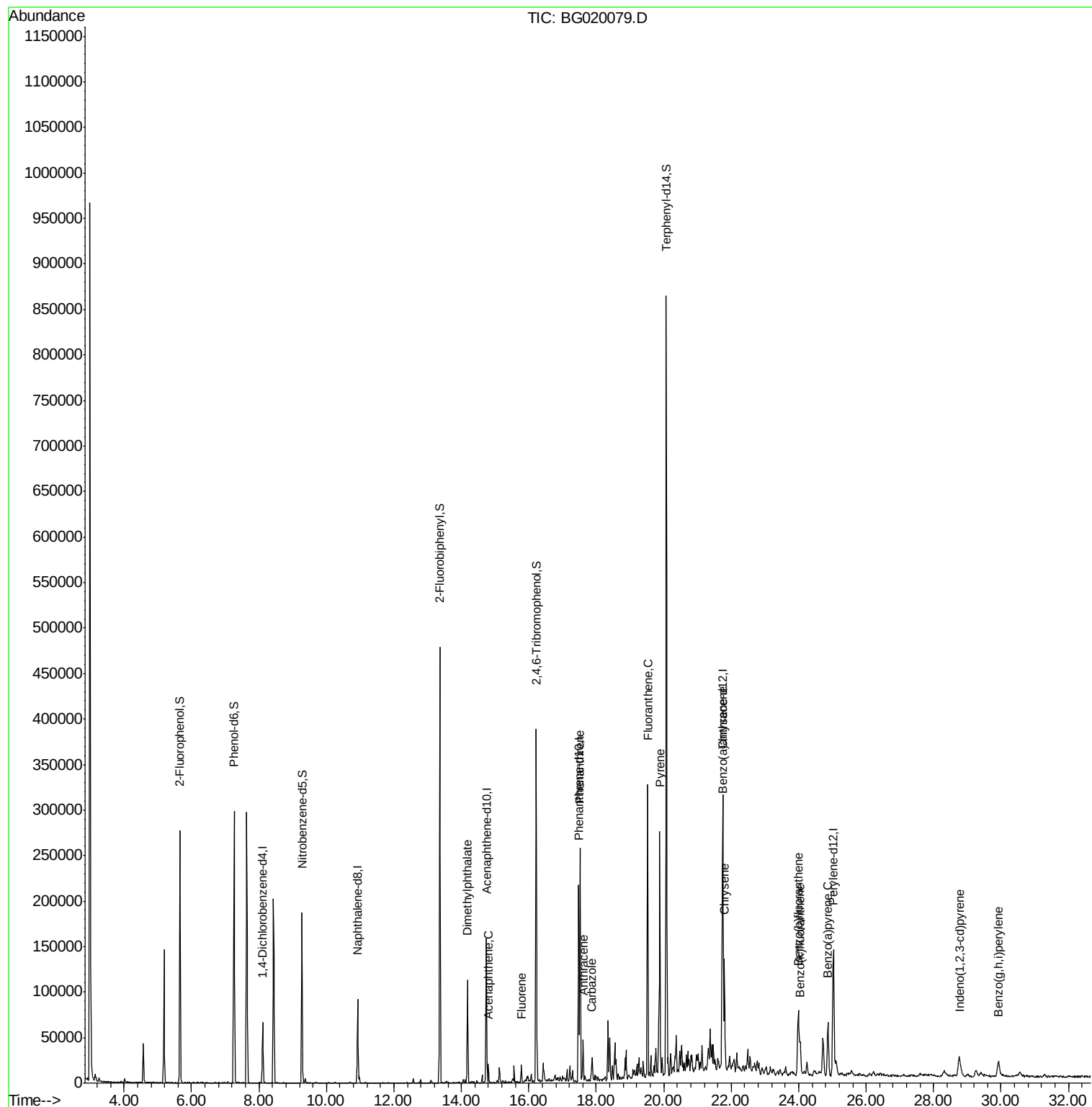
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020079.D
Acq On : 10 Dec 2015 17:17
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Misc :
ALS Vial : 12 Sample Multiplier: 1

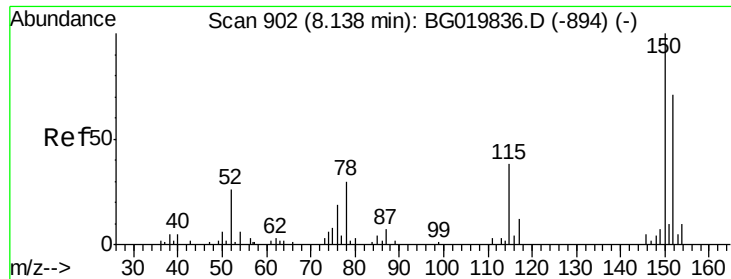
Instrument :
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ClientSampleId :
S29-15

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#1

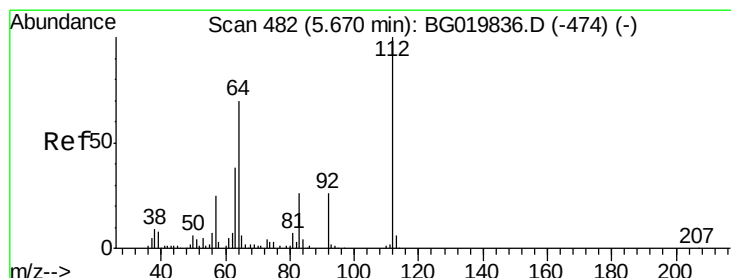
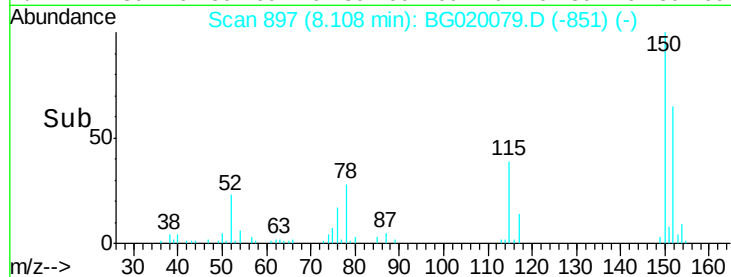
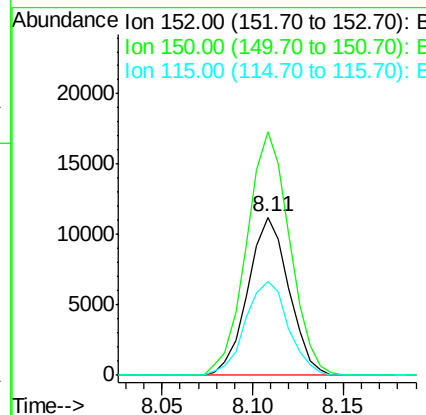
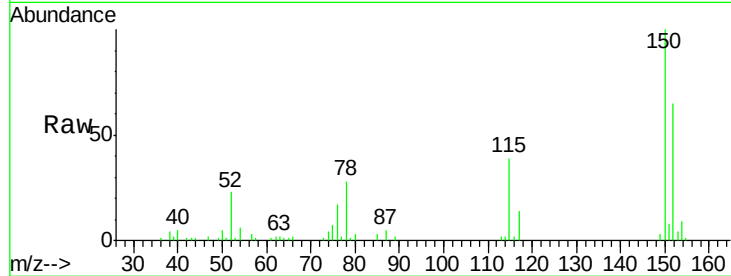
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 897
Delta R.T. -0.03 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

Instrument :
BNA_G
ClientSampled :
S29-15

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	115.0	172.4
115	59.5	43.9	65.9

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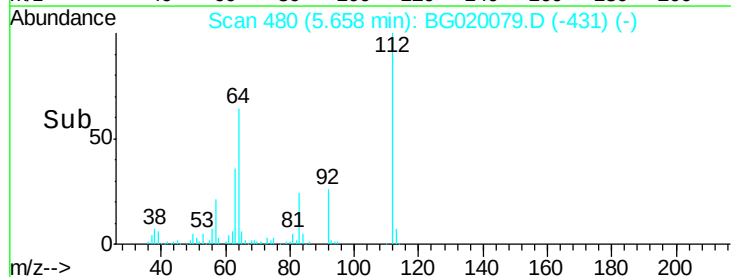
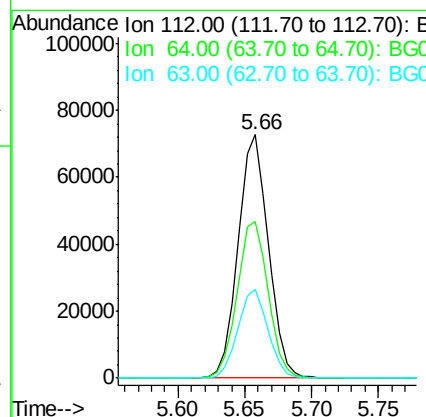
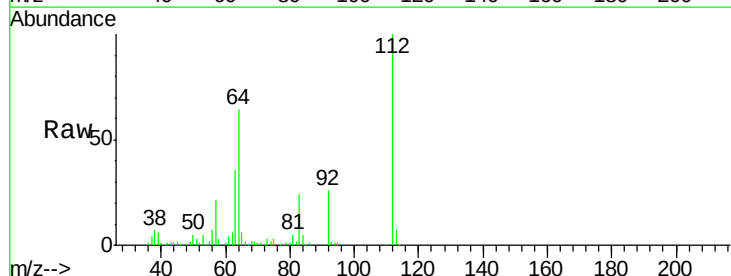
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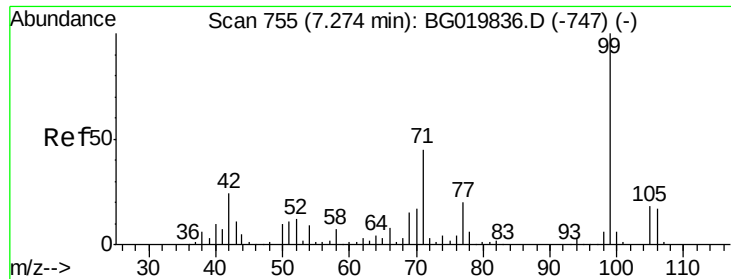


#5

2-Fluorophenol
Concen: 117.22 ng
RT: 5.66 min Scan# 480
Delta R.T. -0.01 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	43.7	65.5
63	36.3	24.0	36.0





#7

Phenol-d6

Concen: 118.44 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Instrument :

BNA_G

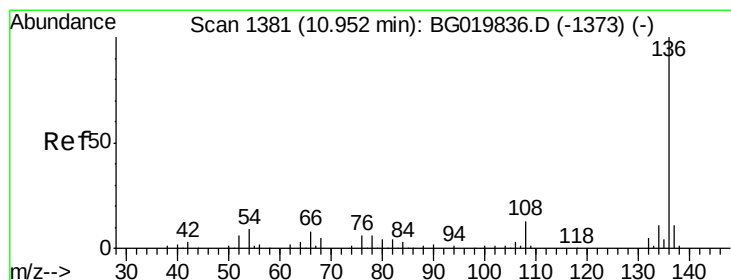
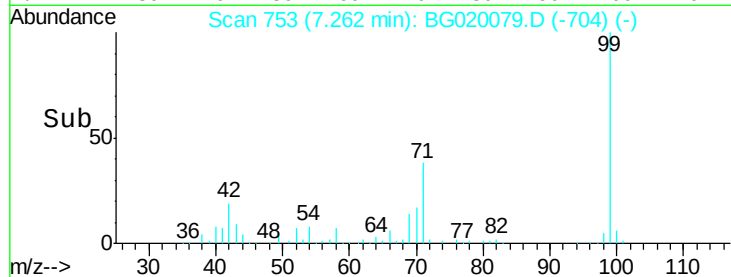
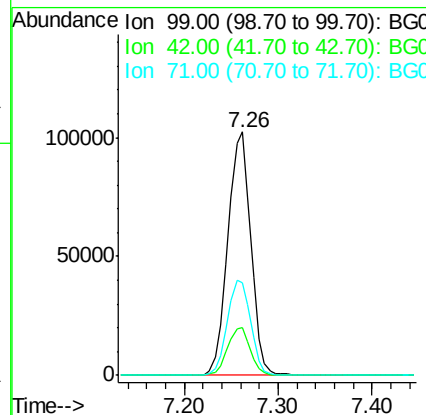
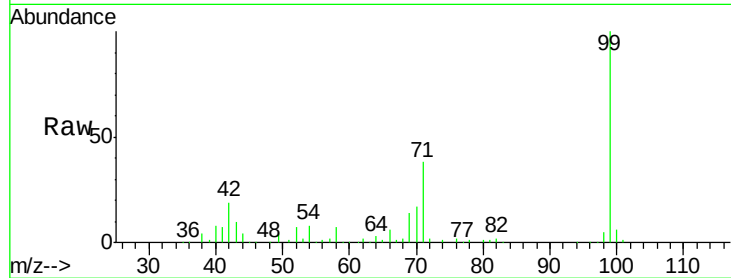
ClientSampled :

S29-15

Tot Ion:	99	Resp:	174492
Ion Ratio		Lower	Upper
99	100		
42	19.4	11.5	17.3#
71	38.2	22.6	34.0#

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#21

Naphthalene-d8

Concen: 20.00 ng

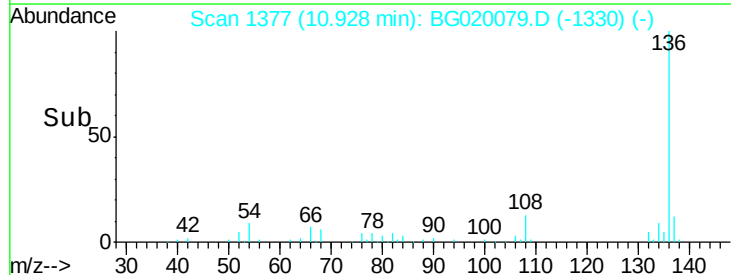
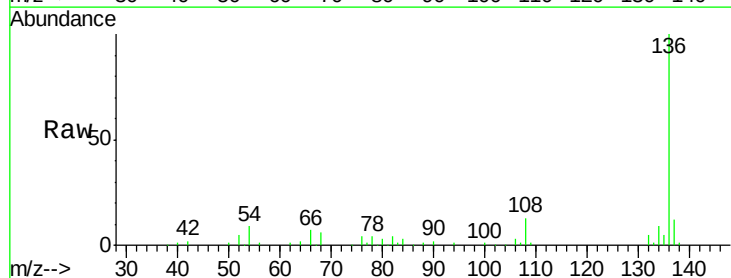
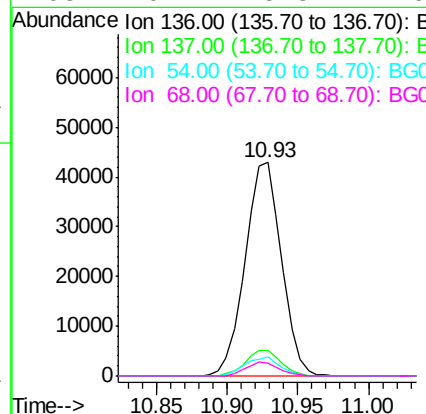
RT: 10.93 min Scan# 1377

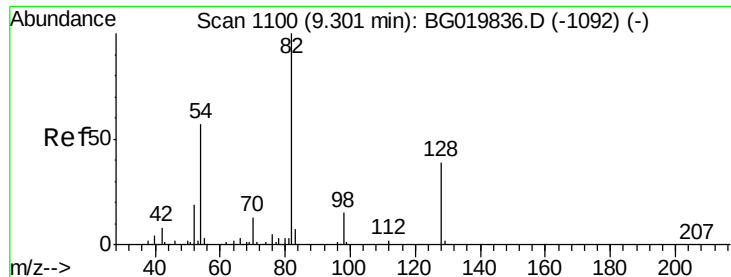
Delta R.T. -0.02 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Tgt Ion:	136	Resp:	77216
Ion Ratio		Lower	Upper
136	100		
137	12.0	8.6	12.8
54	8.8	5.4	8.2#
68	6.1	5.3	7.9





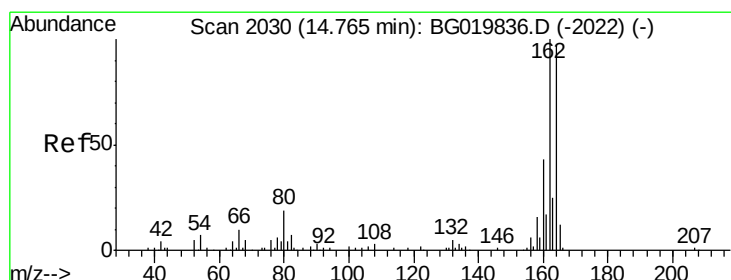
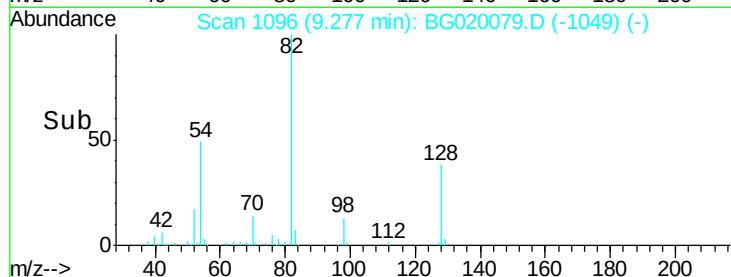
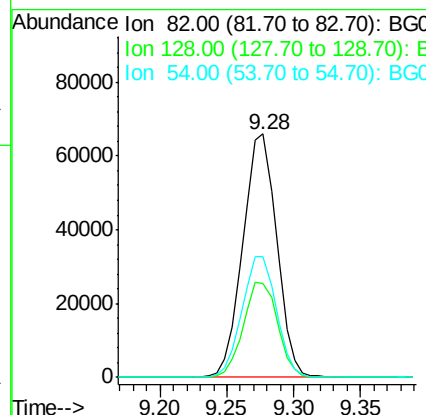
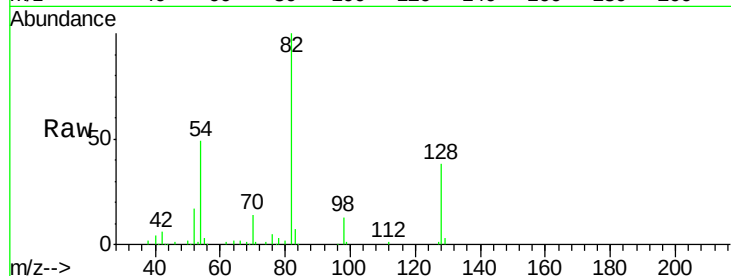
#23
Nitrobenzene-d5
Concen: 76.71 ng
RT: 9.28 min Scan# 1096
Delta R.T. -0.02 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

Instrument :
BNA_G
ClientSampleId :
S29-15

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.3	36.7	55.1	
54	49.4	33.8	50.8	

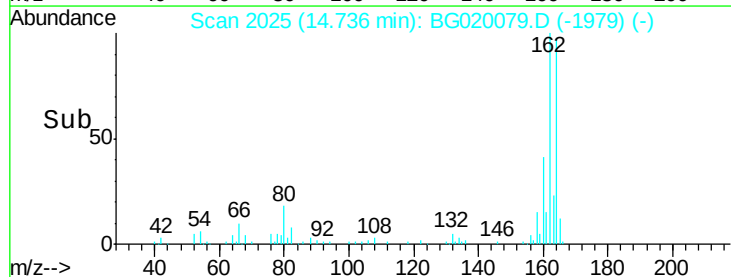
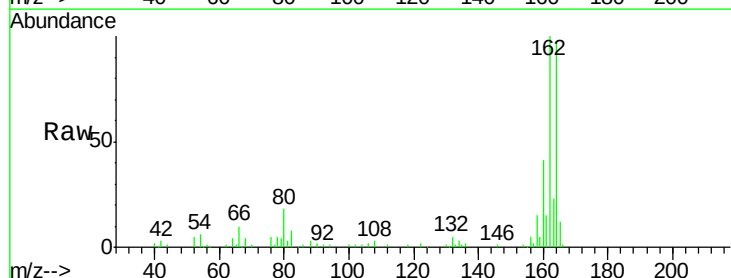
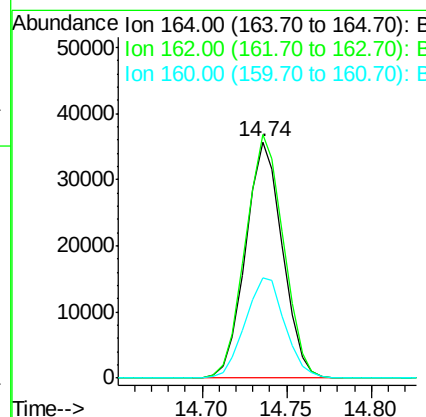
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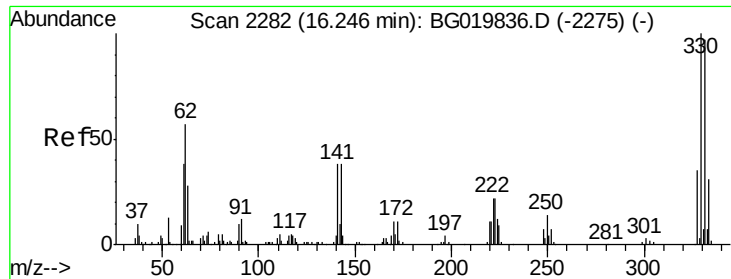
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 2025
Delta R.T. -0.03 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	78.8	118.2	
160	42.2	36.4	54.6	





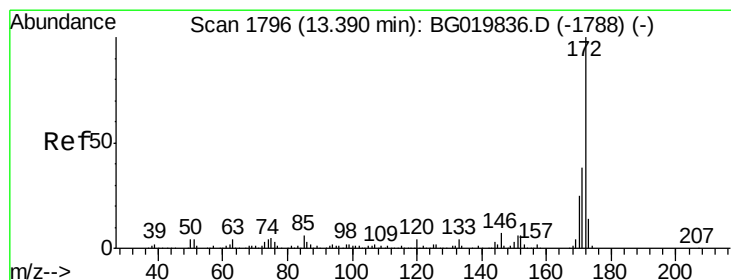
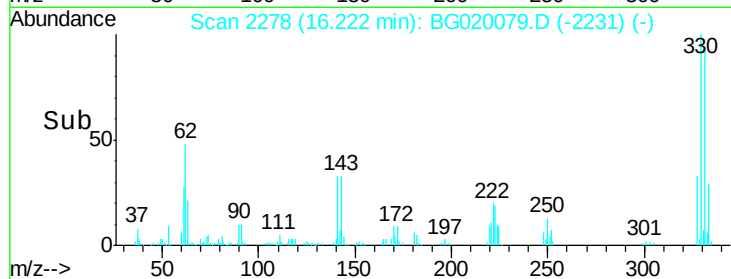
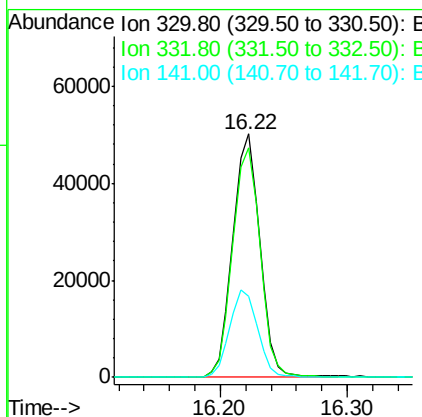
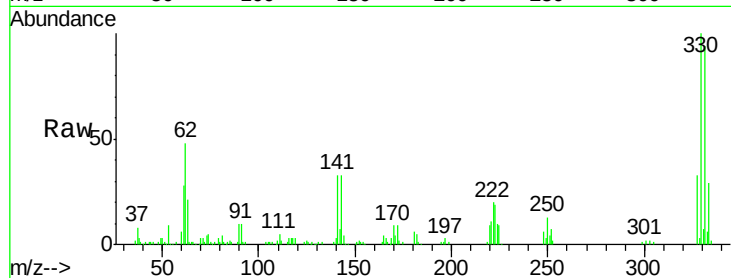
#41
 2,4,6-Tribromophenol
 Concen: 90.06 ng
 RT: 16.22 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BG020079.D
 Acq: 10 Dec 2015 17:17

Instrument :
 BNA_G
 ClientSampleId :
 S29-15

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	78.1	117.1
141	36.7	28.2	42.2

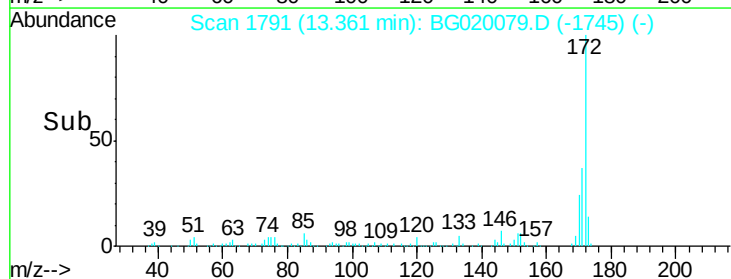
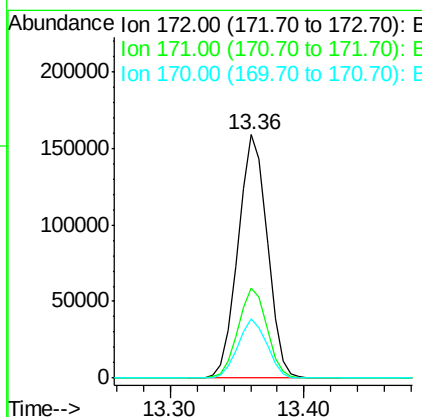
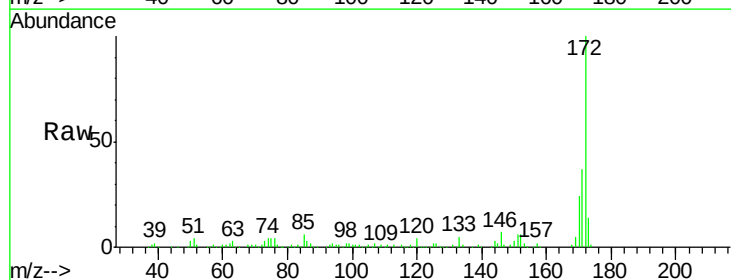
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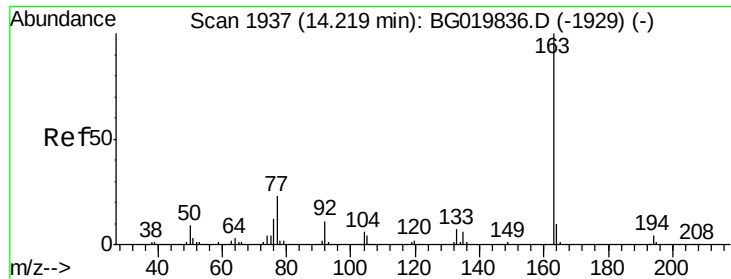
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#44
 2-Fluorobiphenyl
 Concen: 60.76 ng
 RT: 13.36 min Scan# 1791
 Delta R.T. -0.03 min
 Lab File: BG020079.D
 Acq: 10 Dec 2015 17:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.0	43.6
170	24.2	19.9	29.9





#49

Dimethylphthalate

Concen: 15.14 ng

RT: 14.18 min Scan# 1931

Delta R.T. -0.04 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Instrument :

BNA_G

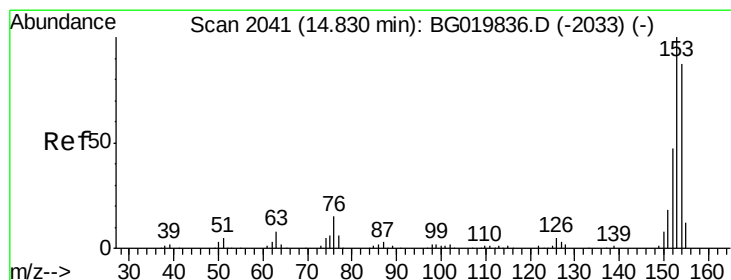
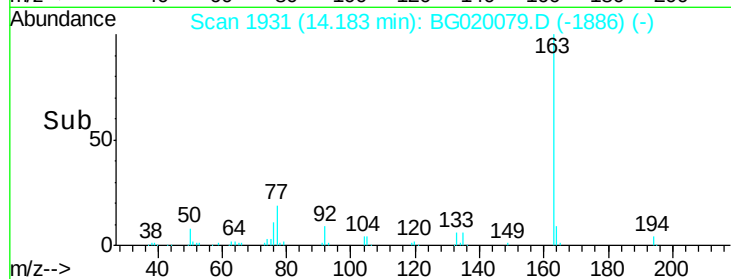
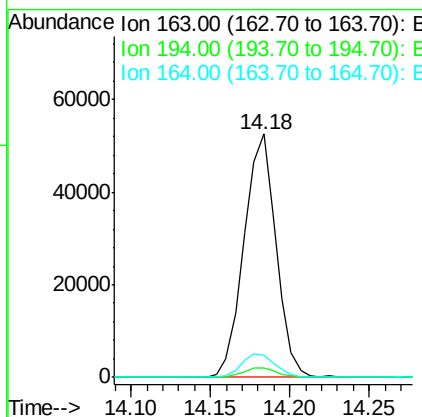
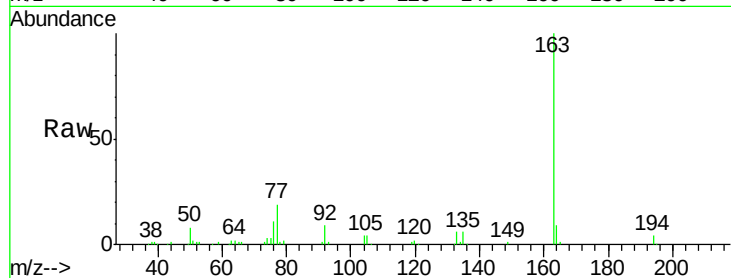
ClientSampleId :

S29-15

Tot Ion:	163	Resp:	73787
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.1	4.7
164	9.0	8.8	13.2

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#51

Acenaphthene

Concen: 2.29 ng

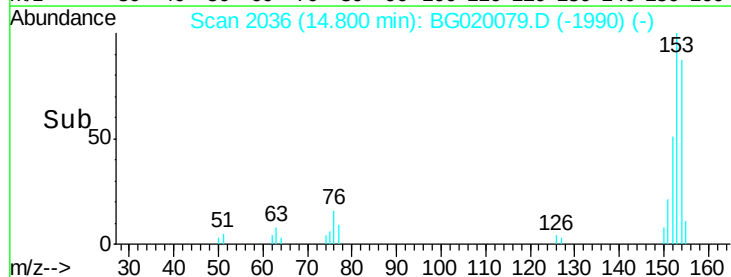
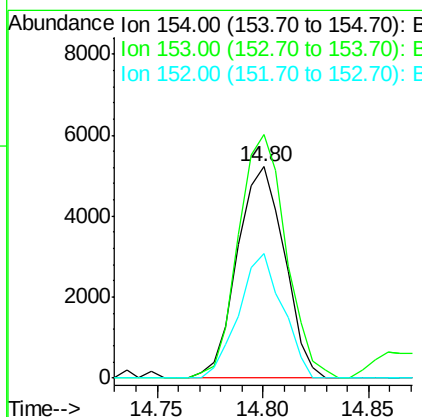
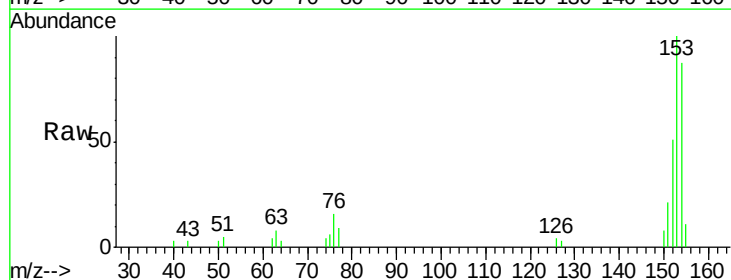
RT: 14.80 min Scan# 2036

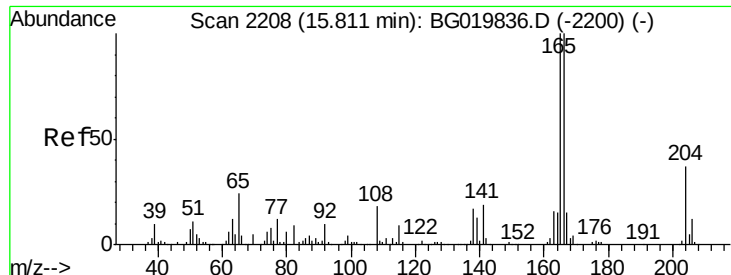
Delta R.T. -0.03 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Tgt Ion:	154	Resp:	8109
Ion Ratio	Lower	Upper	
154	100		
153	115.1	92.9	139.3
152	59.0	45.8	68.8





#57

Fluorene

Concen: 2.03 ng

RT: 15.78 min Scan# 2203

Delta R.T. -0.03 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Instrument :

BNA_G

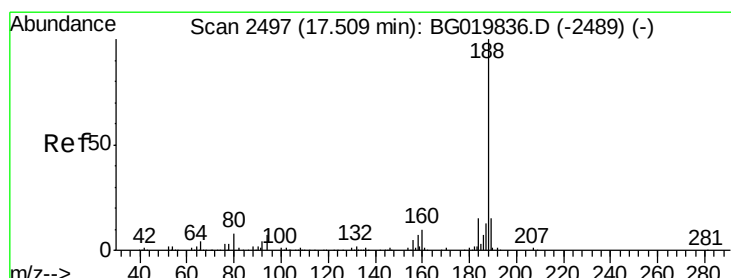
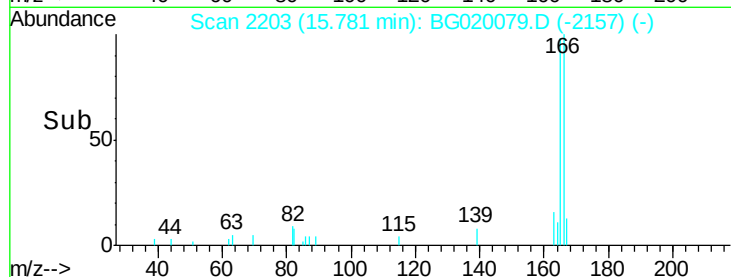
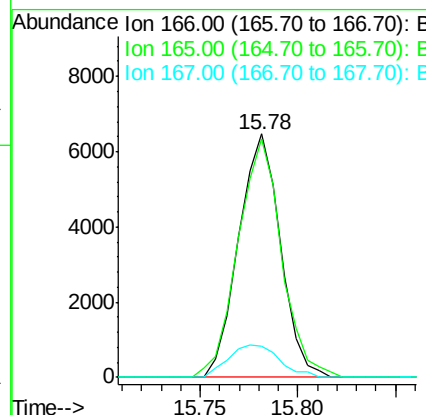
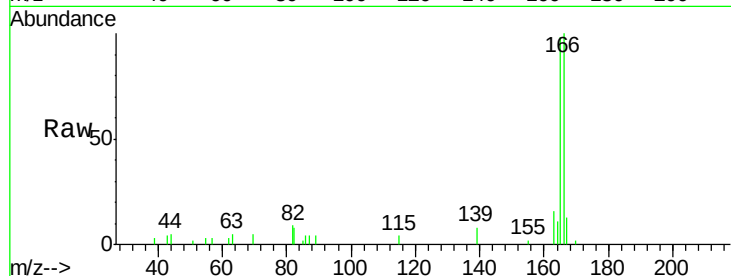
ClientSampleId :

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Tot Ion:	166	Resp:	9570
Ion Ratio	Lower	Upper	
166	100		
165	98.2	80.0	120.0
167	12.9	11.1	16.7

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

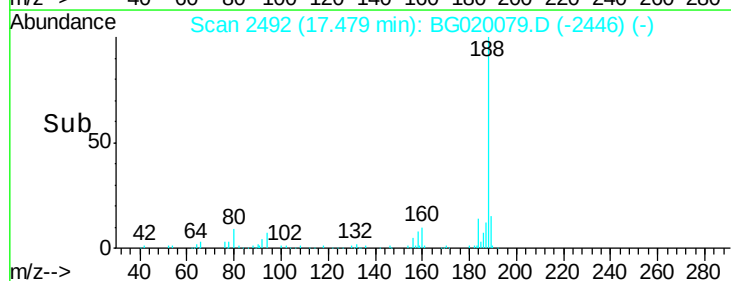
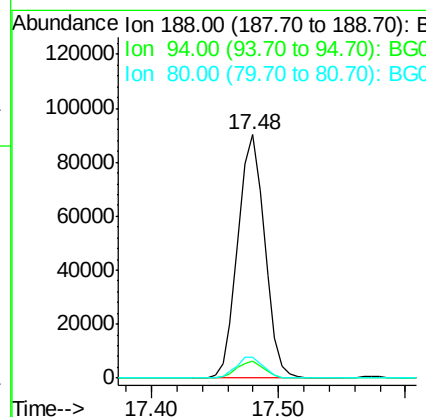
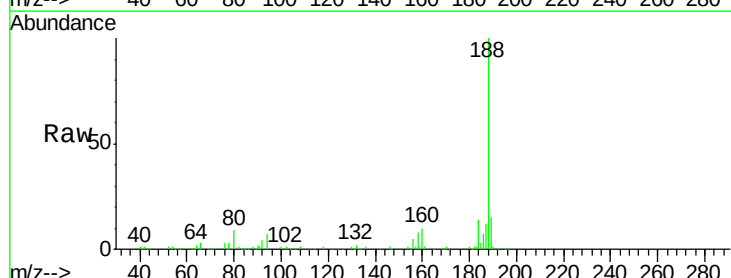
RT: 17.48 min Scan# 2492

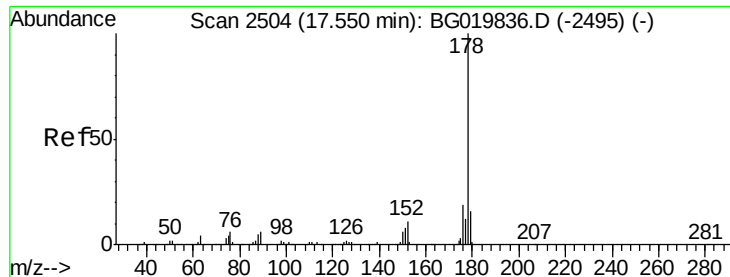
Delta R.T. -0.03 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Tgt Ion:	188	Resp:	132428
Ion Ratio	Lower	Upper	
188	100		
94	6.9	7.7	11.5#
80	8.6	7.8	11.8





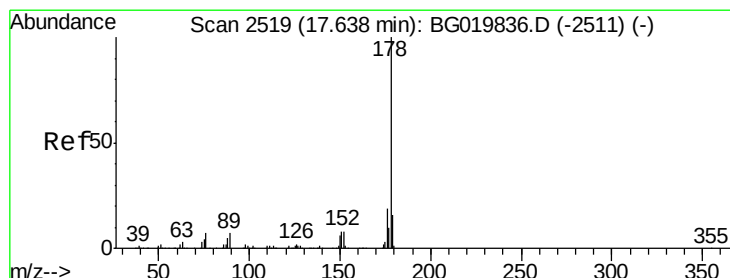
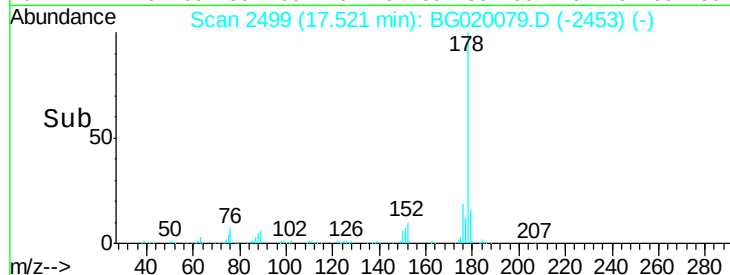
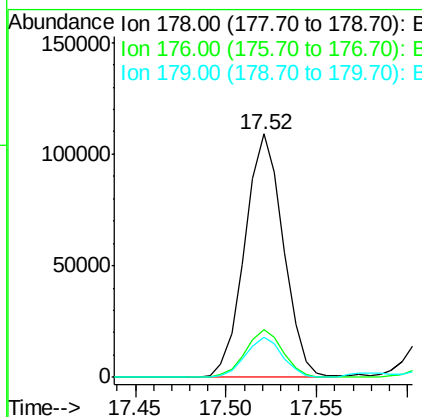
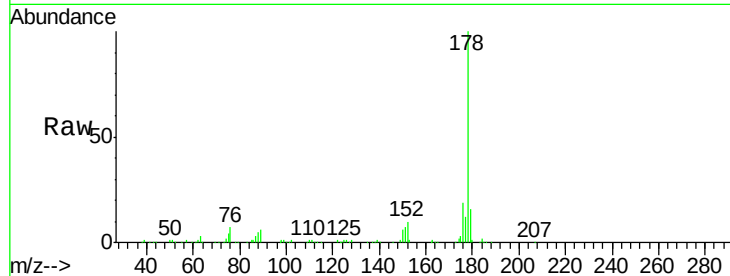
#70
Phenanthrene
Concen: 21.51 ng
RT: 17.52 min Scan# 2499
Delta R.T. -0.03 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

Instrument :
BNA_G
ClientSampleId :
S29-15

Tot Ion:178	Resp:	161140
Ion Ratio	Lower	Upper
178	100	
176	19.4	16.7 25.1
179	16.3	13.9 20.9

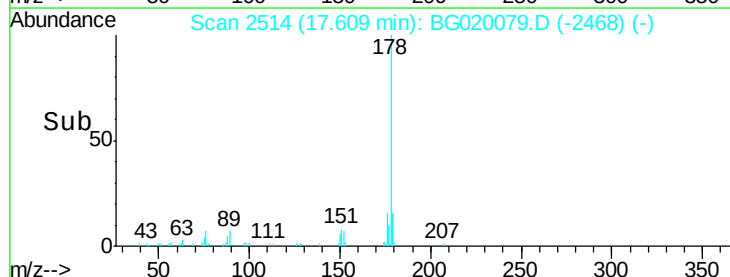
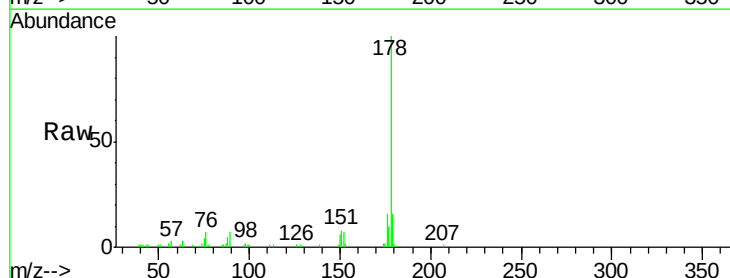
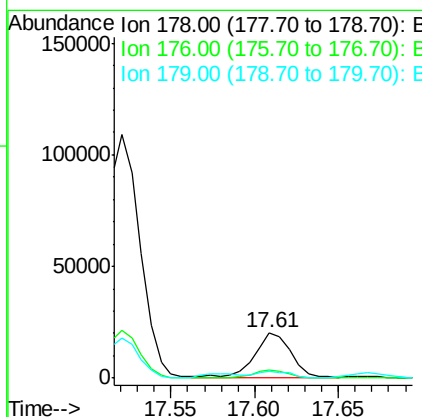
Manual Integrations
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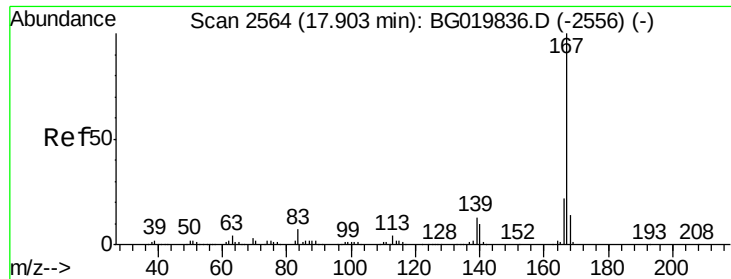
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#71
Anthracene
Concen: 4.15 ng m
RT: 17.61 min Scan# 2514
Delta R.T. -0.03 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

Tgt Ion:178	Resp:	31649
Ion Ratio	Lower	Upper
178	100	
176	16.4	16.8 25.2#
179	15.9	13.9 20.9





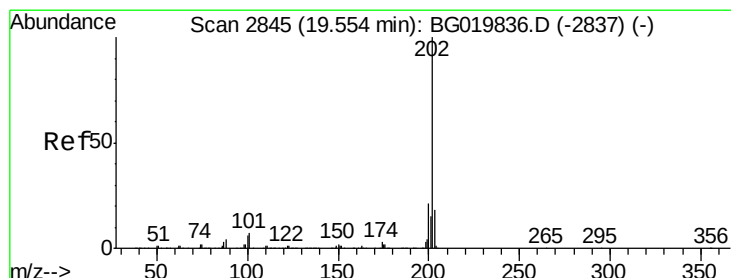
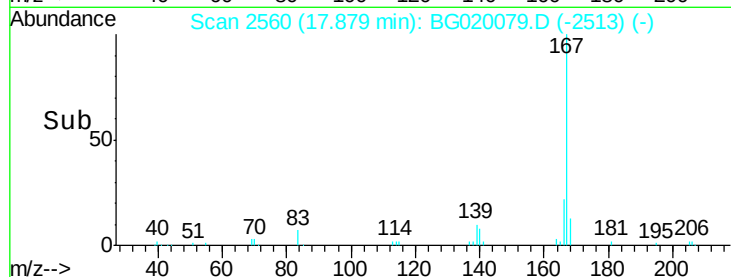
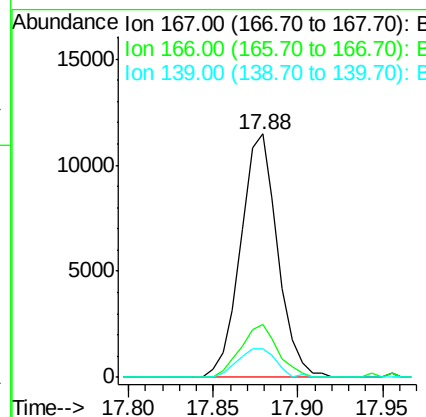
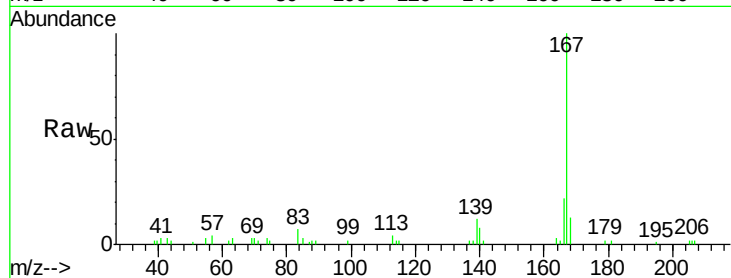
#72
 Carbazole
 Concen: 2.59 ng
 RT: 17.88 min Scan# 2560
 Delta R.T. -0.02 min
 Lab File: BG020079.D
 Acq: 10 Dec 2015 17:17

Instrument :
 BNA_G
 ClientSampleId :
 S29-15

Tot Ion:	167	Resp:	17431
Ion Ratio	Lower	Upper	
167	100		
166	21.9	19.0	28.6
139	12.0	10.2	15.4

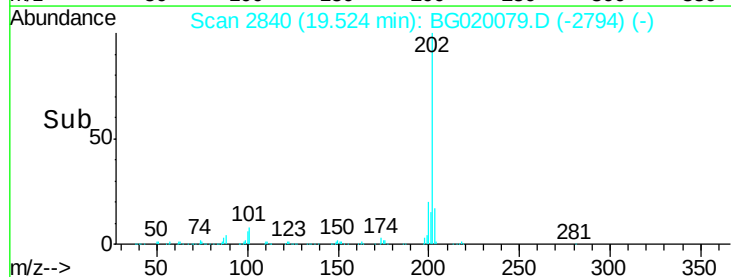
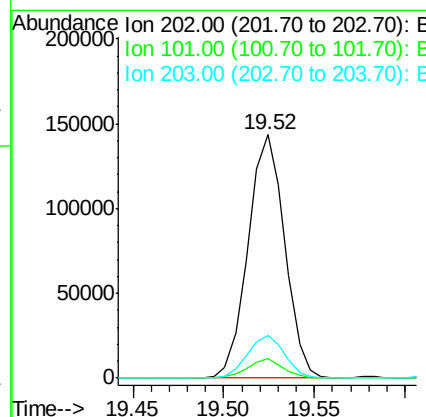
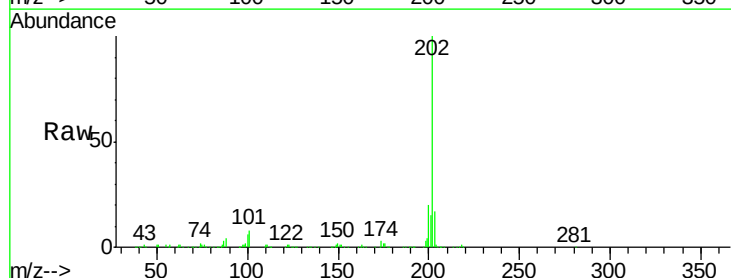
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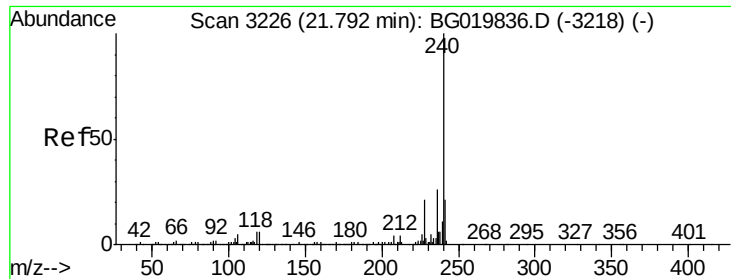
MMdadoda
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#74
 Fluoranthene
 Concen: 21.02 ng
 RT: 19.52 min Scan# 2840
 Delta R.T. -0.03 min
 Lab File: BG020079.D
 Acq: 10 Dec 2015 17:17

Tgt Ion:	202	Resp:	201478
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	32.4
203	17.4	0.0	39.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.75 min Scan# 3219

Delta R.T. -0.04 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Instrument :

BNA_G

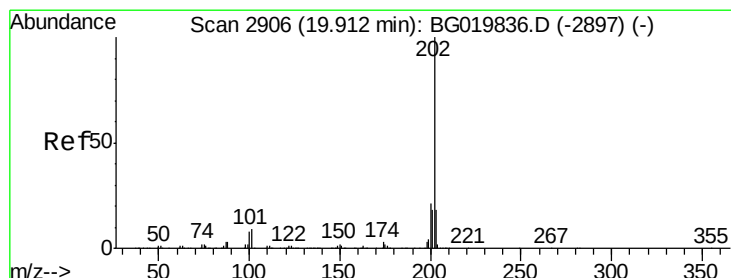
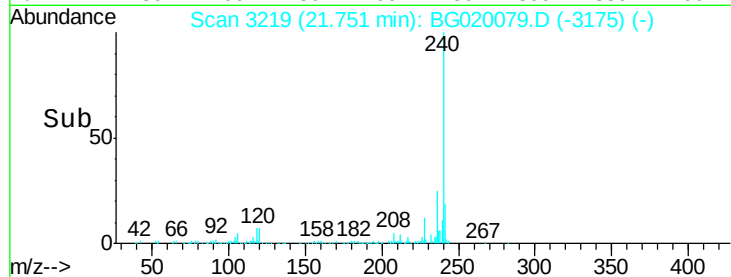
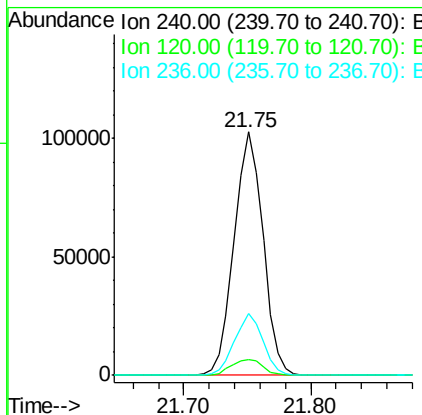
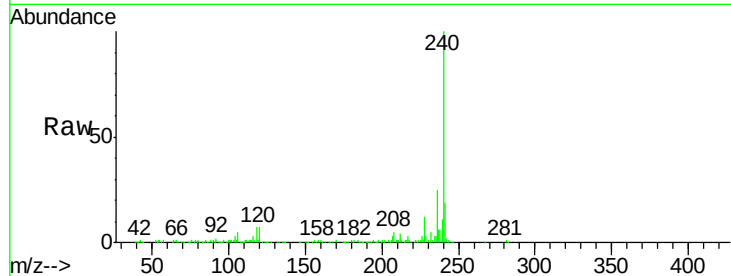
ClientSampleId :

S29-15

Tot Ion:	240	Resp:	162196
Ion Ratio		Lower	Upper
240	100		
120	6.6	7.4	11.0#
236	25.4	20.7	31.1

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#77

Pyrene

Concen: 18.27 ng

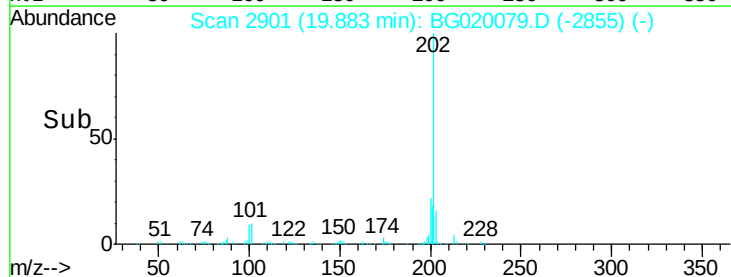
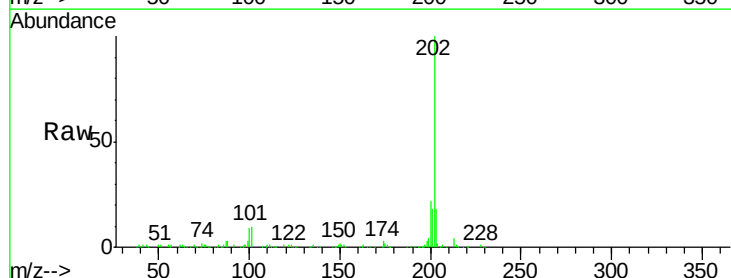
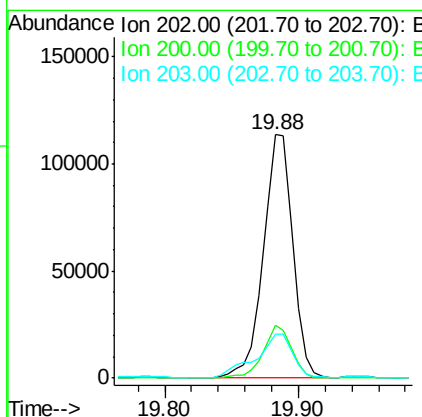
RT: 19.88 min Scan# 2901

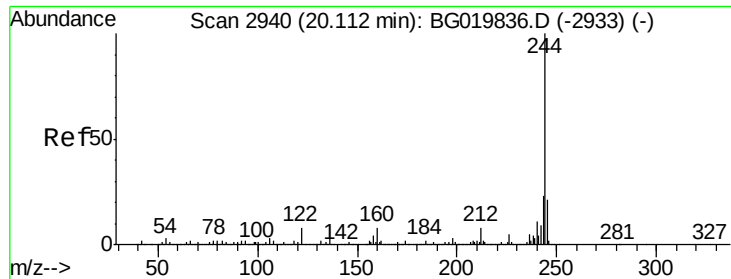
Delta R.T. -0.03 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Tgt Ion:	202	Resp:	174377
Ion Ratio		Lower	Upper
202	100		
200	21.5	19.4	29.0
203	17.9	15.5	23.3





#78

Terphenyl-d14

Concen: 60.22 ng

RT: 20.08 min Scan# 2934

Delta R.T. -0.03 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Instrument :

BNA_G

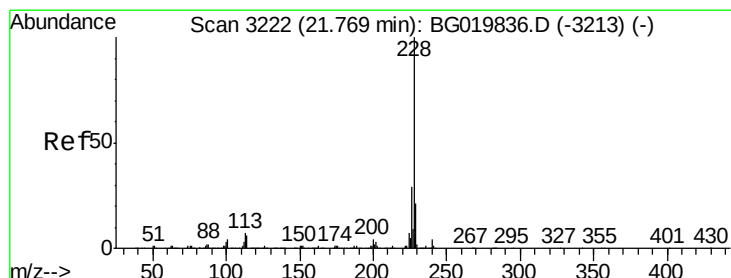
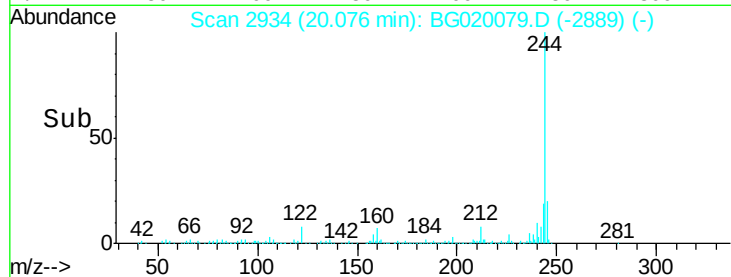
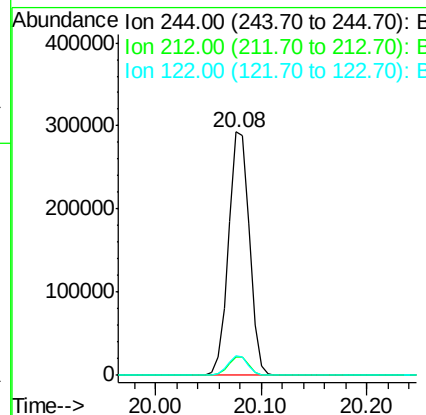
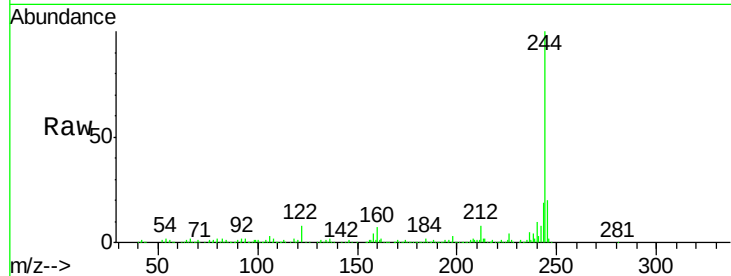
ClientSampleId :

S29-15

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.9	10.3
122	7.9	10.2	15.2#

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#80

Benzo(a)anthracene

Concen: 9.39 ng

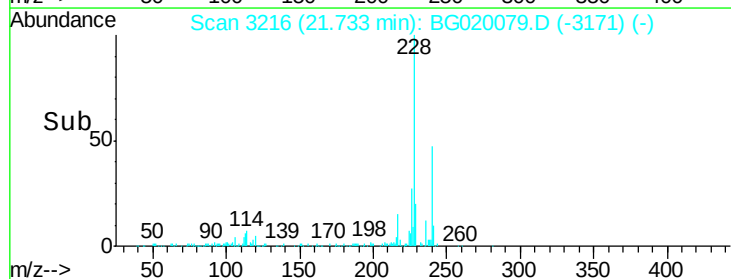
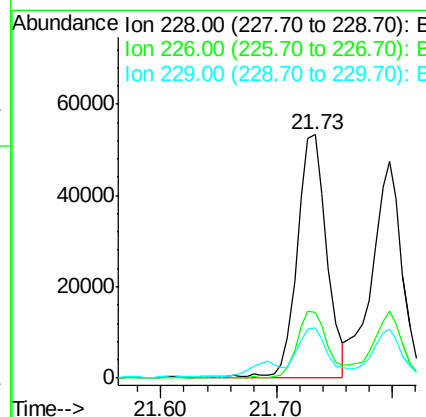
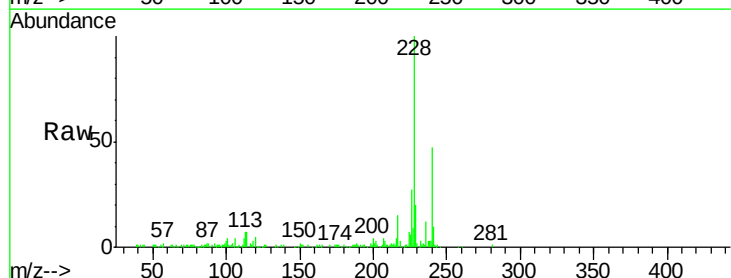
RT: 21.73 min Scan# 3216

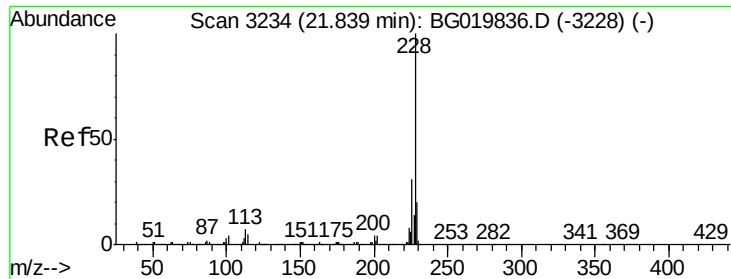
Delta R.T. -0.04 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	23.4	35.0
229	20.5	16.6	25.0





#82

Chrysene

Concen: 8.80 ng

RT: 21.80 min Scan# 3227

Delta R.T. -0.04 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Instrument :

BNA_G

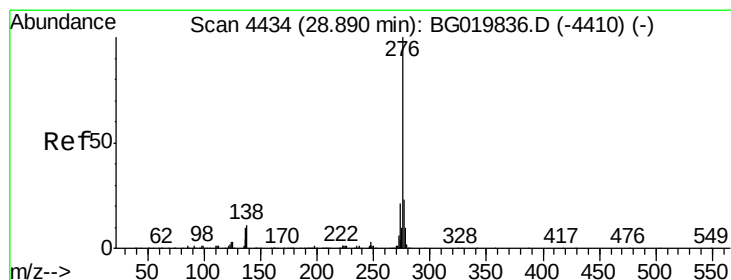
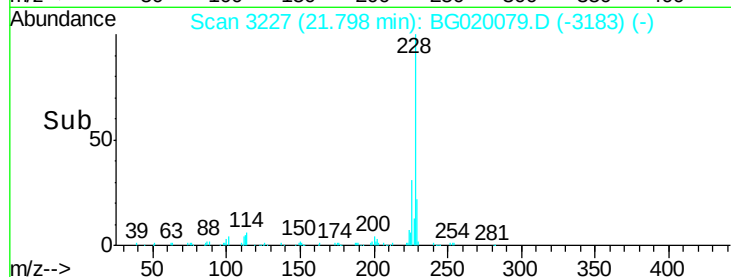
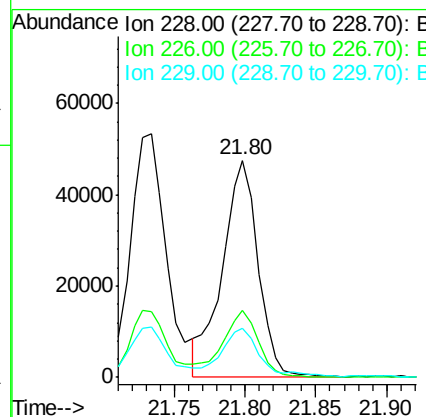
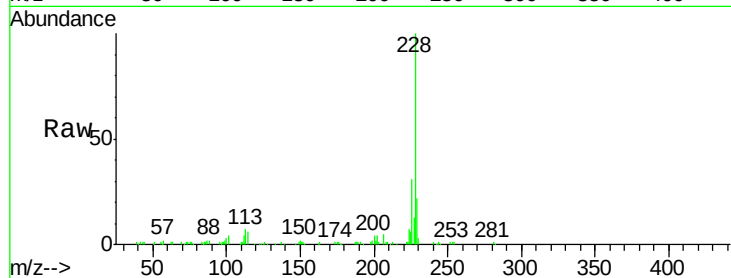
ClientSampleId :

S29-15

Tot Ion:	228	Resp:	83000
Ion Ratio	Lower	Upper	
228	100		
226	30.5	26.7	40.1
229	22.5	17.0	25.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.99 ng

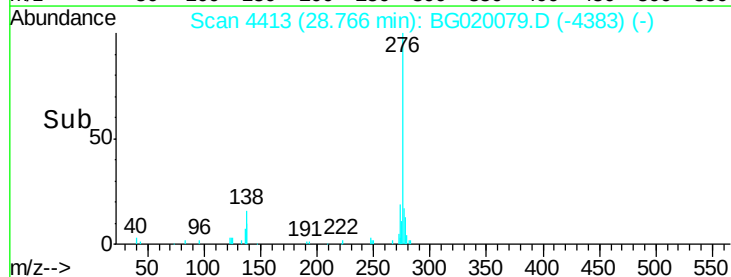
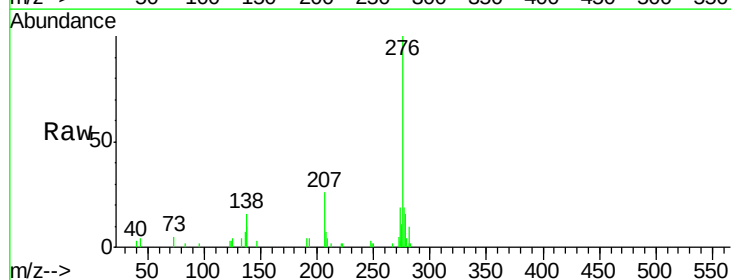
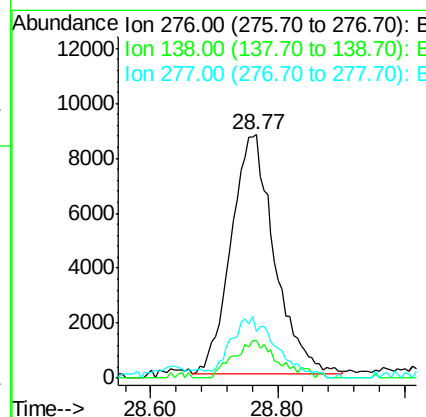
RT: 28.77 min Scan# 4413

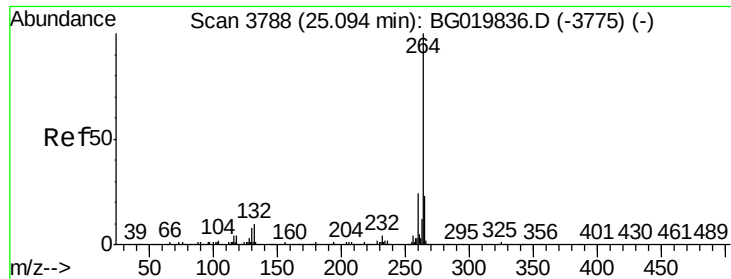
Delta R.T. -0.12 min

Lab File: BG020079.D

Acq: 10 Dec 2015 17:17

Tgt Ion:	276	Resp:	41385
Ion Ratio	Lower	Upper	
276	100		
138	14.9	0.0	0.0#
277	21.5	0.0	0.0#





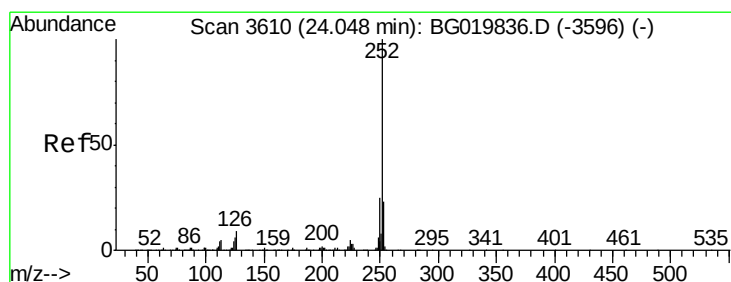
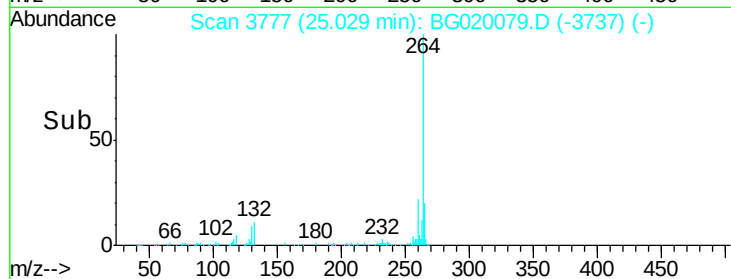
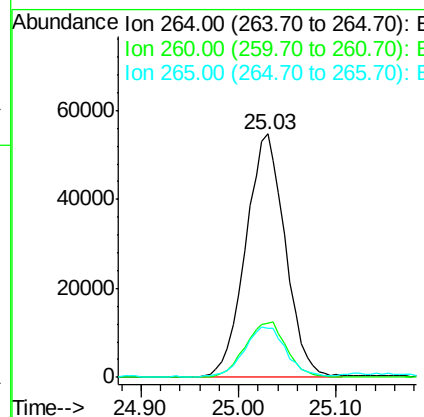
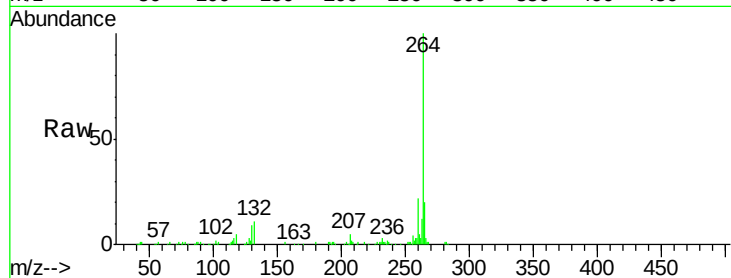
#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.03 min Scan# 3777
Delta R.T. -0.06 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

Instrument :
BNA_G
ClientSampleId :
S29-15

Tot Ion:	264	Resp:	154959
Ion Ratio	Lower	Upper	
264	100		
260	22.2	18.5	27.7
265	20.2	17.2	25.8

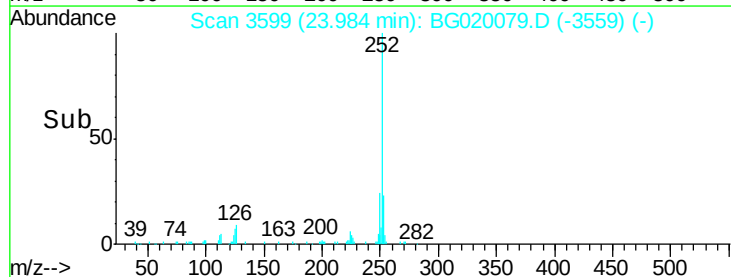
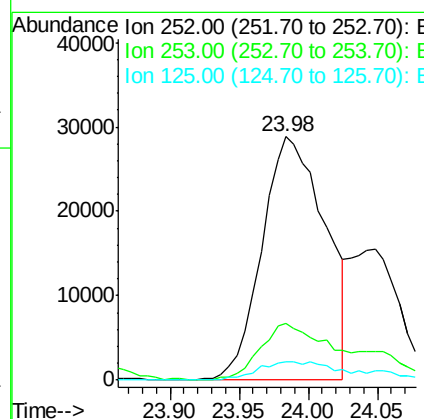
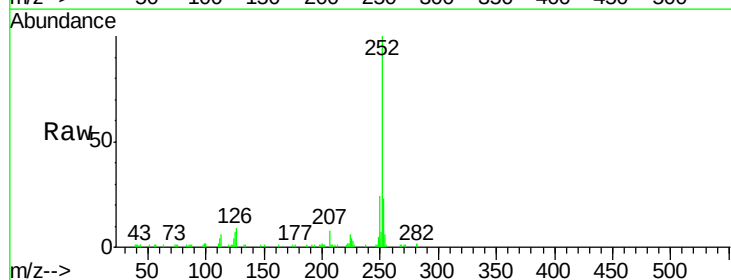
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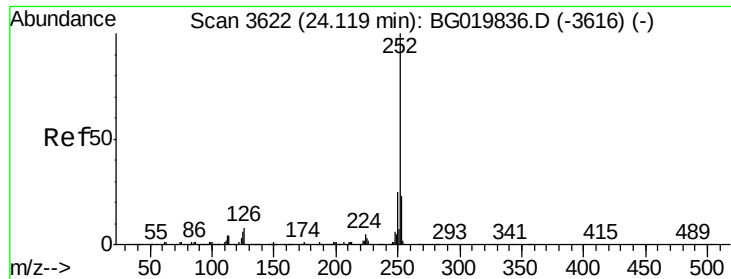
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#87
Benzo(b)fluoranthene
Concen: 9.35 ng m
RT: 23.98 min Scan# 3599
Delta R.T. -0.06 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

Tgt Ion:	252	Resp:	91866
Ion Ratio	Lower	Upper	
252	100		
253	23.3	19.1	28.7
125	7.3	8.9	13.3#





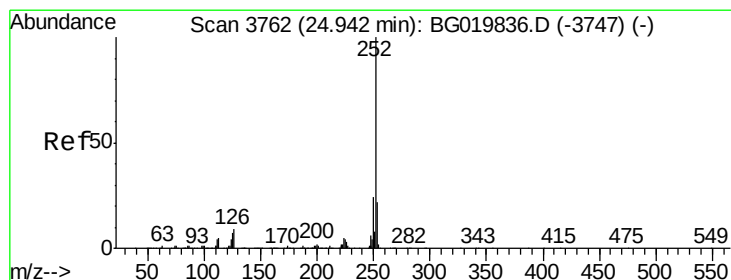
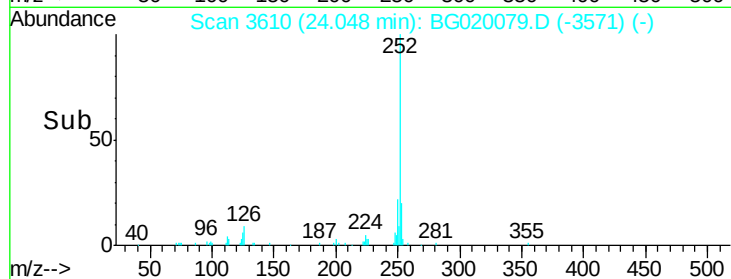
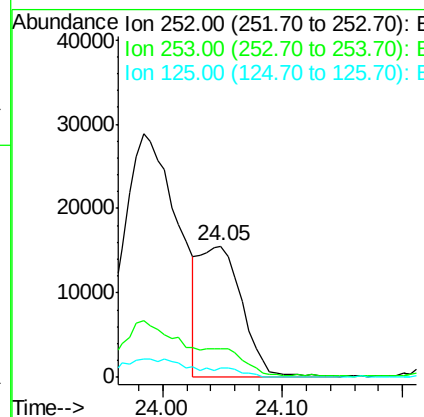
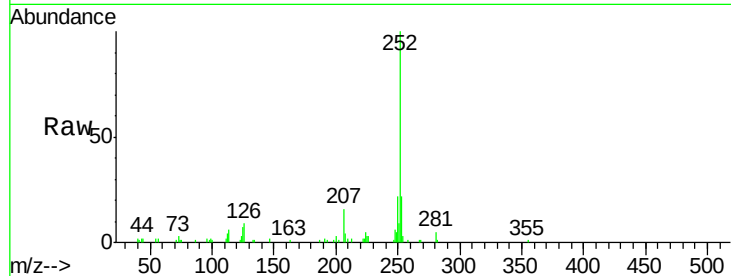
#88
Benzo(k)fluoranthene
Concen: 3.97 ng m
RT: 24.05 min Scan# 3610
Delta R.T. -0.07 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

Instrument :
BNA_G
ClientSampleId :
S29-15

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.2	19.0	28.4
125	6.9	8.9	13.3#

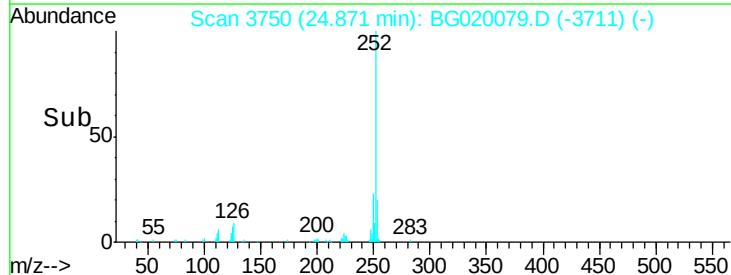
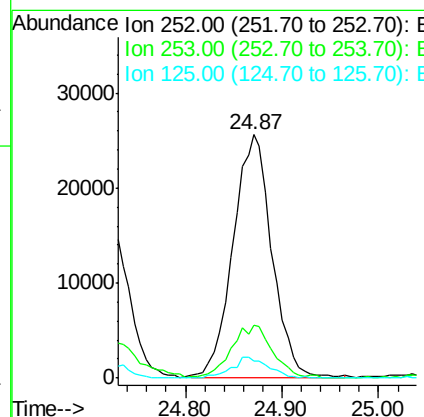
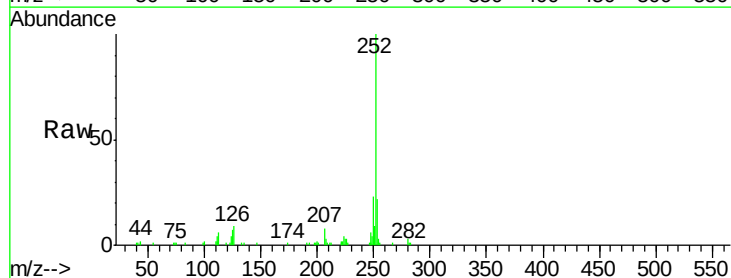
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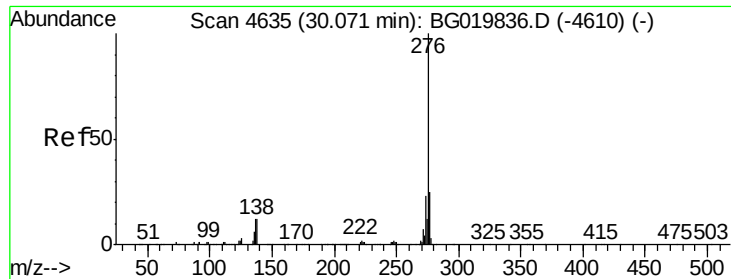
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#89
Benzo(a)pyrene
Concen: 7.70 ng m
RT: 24.87 min Scan# 3750
Delta R.T. -0.07 min
Lab File: BG020079.D
Acq: 10 Dec 2015 17:17

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.9	18.7	28.1
125	6.8	9.1	13.7#





#91
 Benzo(a,h,i)perylene
 Concen: 4.19 ng
 RT: 29.93 min Scan# 4611
 Delta R.T. -0.14 min
 Lab File: BG020079.D
 Acq: 10 Dec 2015 17:17

Instrument :
 BNA_G
 ClientSampleId :
 S29-15

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.6	18.4	27.6
138	13.7	17.4	26.0

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