

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
 Data File : BG020080.D
 Acq On : 10 Dec 2015 17:56
 Operator : UM/SJ
 Sample : G4683-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S31-15

Manual Integrations
 APPROVED

MMdadoda
 12/11/2015 6:02:28 PM

Quant Time: Dec 11 05:51:53 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	23683	20.00	ng	-0.03
21) Naphthalene-d8	10.92	136	100826	20.00	ng	-0.03
38) Acenaphthene-d10	14.74	164	63997	20.00	ng	-0.03
63) Phenanthrene-d10	17.49	188	144286	20.00	ng	-0.02
75) Chrysene-d12	21.78	240	180028	20.00	ng	-0.01
86) Perylene-d12	25.08	264	175984	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	164201	125.31	ng	-0.01
7) Phenol-d6	7.26	99	248058	125.38	ng	-0.01
23) Nitrobenzene-d5	9.28	82	170663	86.39	ng	-0.02
41) 2,4,6-Tribromophenol	16.22	330	107234	109.51	ng	-0.02
44) 2-Fluorobiphenyl	13.37	172	310674	66.28	ng	-0.02
78) Terphenyl-d14	20.08	244	459814	62.30	ng	-0.03
Target Compounds						Qvalue
10) Phenol	7.29	94	4895	2.35	ng	83
31) Naphthalene	10.98	128	24835	4.60	ng	98
37) 2-Methylnaphthalene	12.57	142	11260	2.84	ng	91
48) Acenaphthylene	14.47	152	160993	23.35	ng	100
49) Dimethylphthalate	14.18	163	127901	22.22	ng	# 97
51) Acenaphthene	14.80	154	41314	9.87	ng	96
54) Dibenzofuran	15.14	168	45642	7.33	ng	# 88
57) Fluorene	15.78	166	87497	15.70	ng	97
70) Phenanthrene	17.53	178	1624726	199.02	ng	95
71) Anthracene	17.62	178	516374	62.10	ng	96
72) Carbazole	17.88	167	84529	11.54	ng	99
74) Fluoranthene	19.55	202	3375020	323.23	ng	77
77) Pvrene	19.92	202	3193171	301.49	ng	# 73
80) Benzo(a)anthracene	21.76	228	2651105	240.57	ng	# 80
82) Chrysene	21.83	228	2257892	215.79	ng	# 85
85) Indeno(1,2,3-cd)pyrene	28.90	276	1533526	133.05	ng	# 100
87) Benzo(b)fluoranthene	24.06	252	3032886	271.92	ng	# 95
88) Benzo(k)fluoranthene	24.11	252	1148542m	103.98	ng	
89) Benzo(a)pvrene	24.96	252	2317855m	218.89	ng	
90) Dibenzo(a,h)anthracene	28.92	278	449062	42.92	ng	# 89
91) Benzo(g,h,i)perylene	30.08	276	1359405	132.33	ng	# 90

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

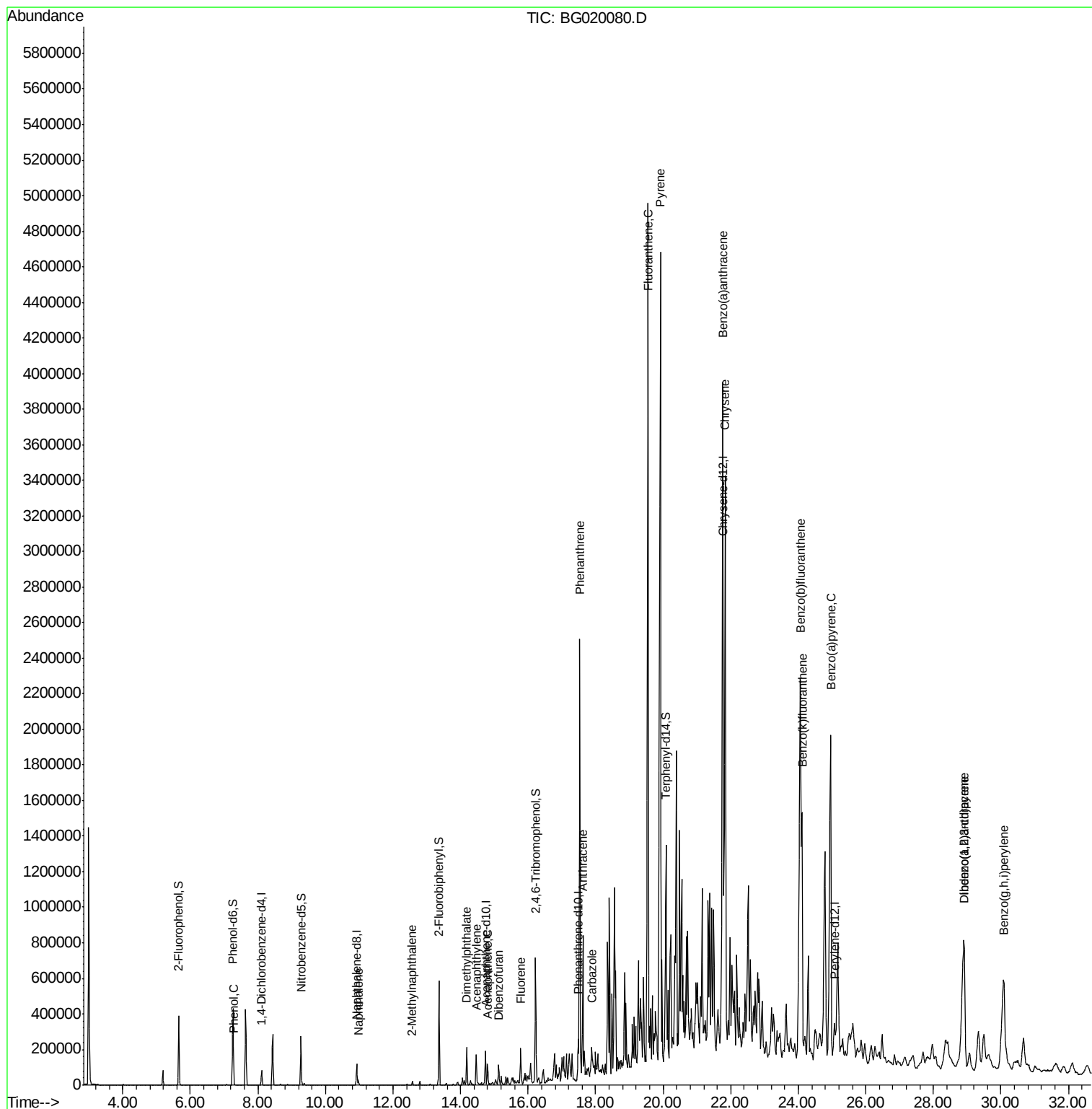
Data Path : Z:\HPCHEM1\BNA G\DATA\BG121115\
Data File : BG020080.D
Acq On : 10 Dec 2015 17:56
Operator : UM/SJ
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#1

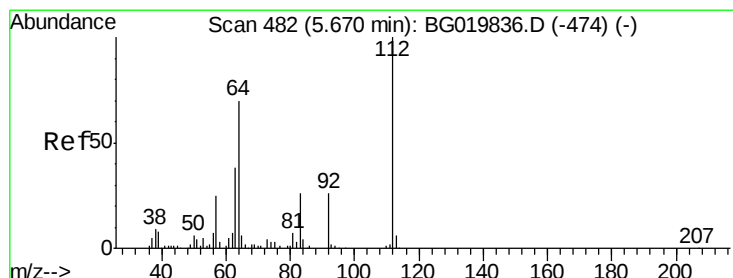
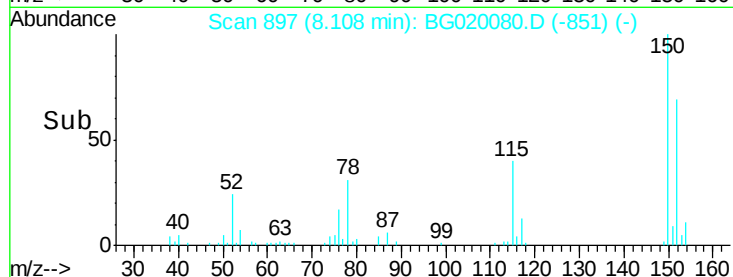
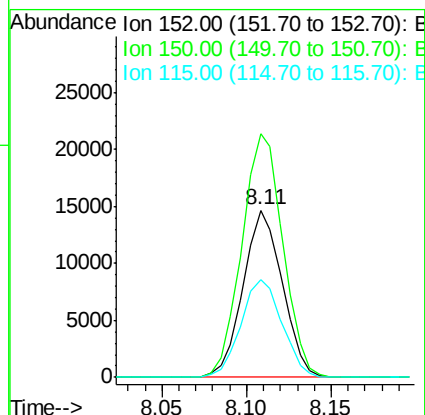
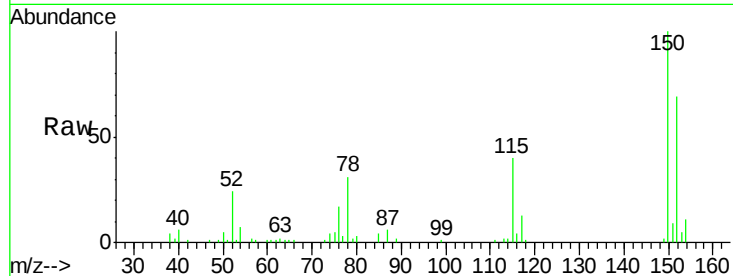
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.11 min Scan# 897
Delta R.T. -0.03 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Instrument :
BNA_G
ClientSampleId :
S31-15

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.7	115.0	172.4
115	58.3	43.9	65.9

Manual Integrations
APPROVED

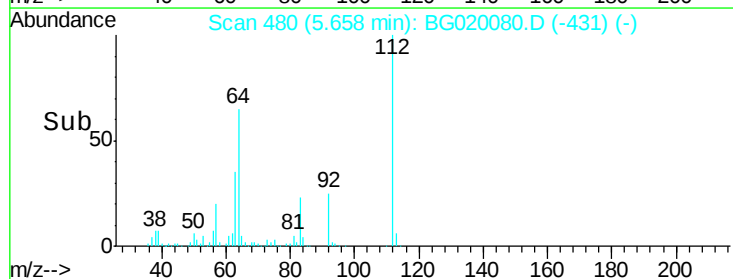
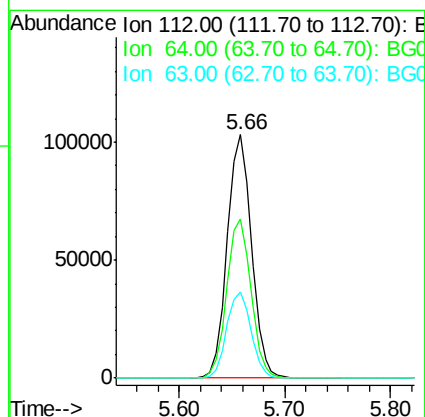
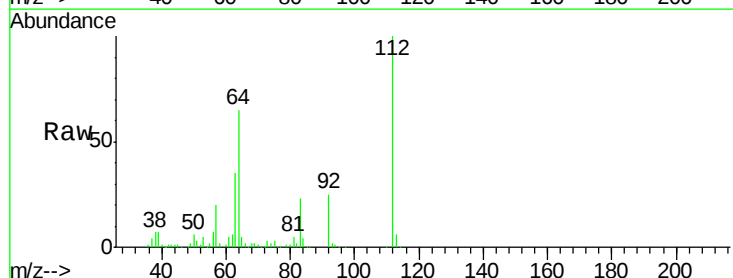
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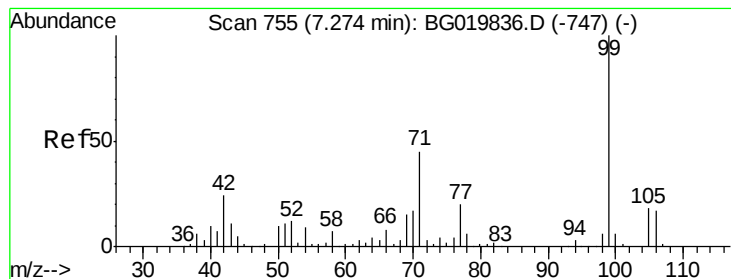


#5

2-Fluorophenol
Concen: 125.31 ng
RT: 5.66 min Scan# 480
Delta R.T. -0.01 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	43.7	65.5
63	35.4	24.0	36.0





#7

Phenol-d6

Concen: 125.38 ng

RT: 7.26 min Scan# 753

Delta R.T. -0.01 min

Lab File: BG020080.D

Acq: 10 Dec 2015 17:56

Instrument :

BNA_G

ClientSampled :

S31-15

Tot Ion: 99 Resp: 248058
Ion Ratio Lower Upper

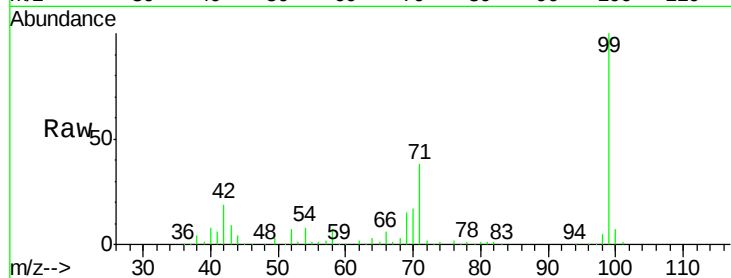
99 100

42 19.3 11.5 17.3#

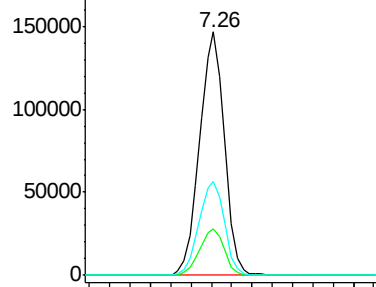
71 38.4 22.6 34.0#

Manual Integrations
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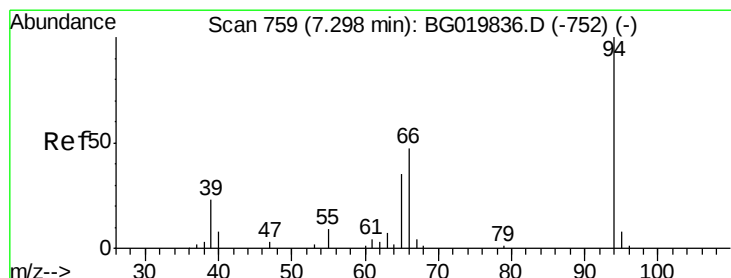
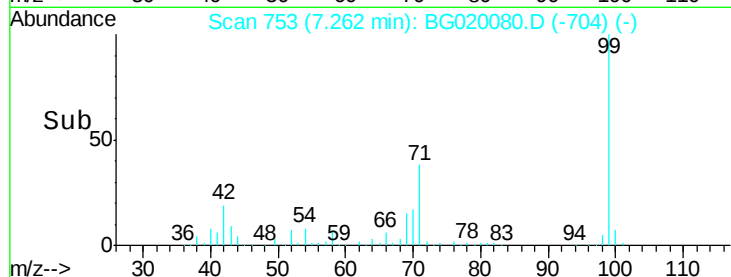
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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



Time-->



#10

Phenol

Concen: 2.35 ng

RT: 7.29 min Scan# 758

Delta R.T. -0.01 min

Lab File: BG020080.D

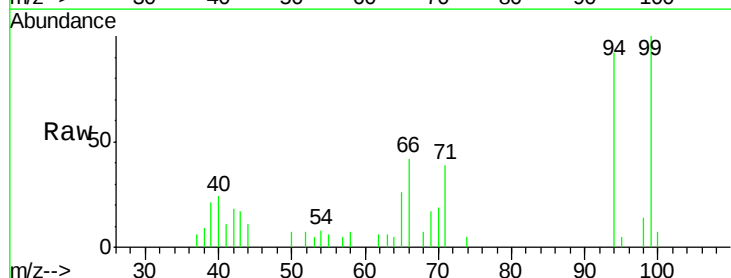
Acq: 10 Dec 2015 17:56

Tgt Ion: 94 Resp: 4895
Ion Ratio Lower Upper

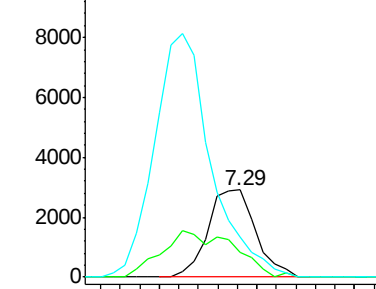
94 100

65 28.7 5.4 45.4

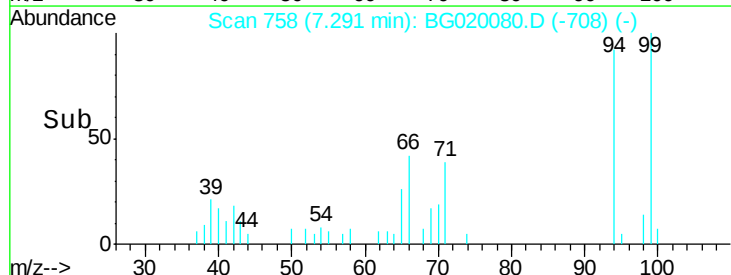
66 45.9 11.8 51.8

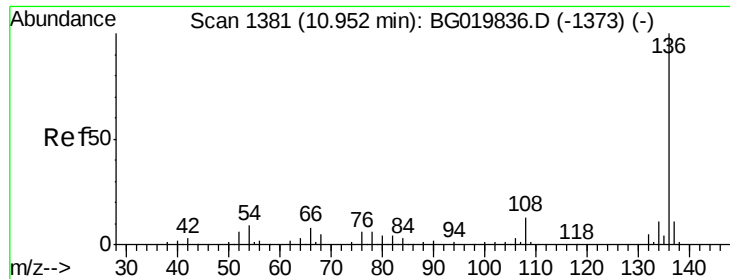


Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



Time-->





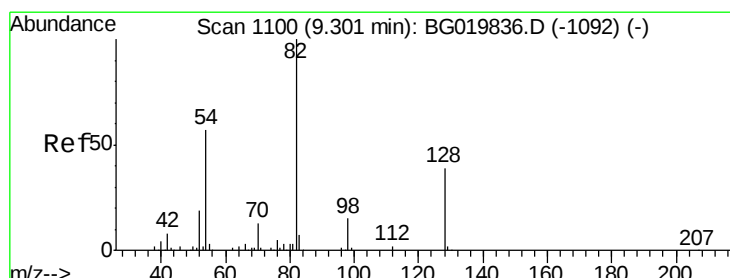
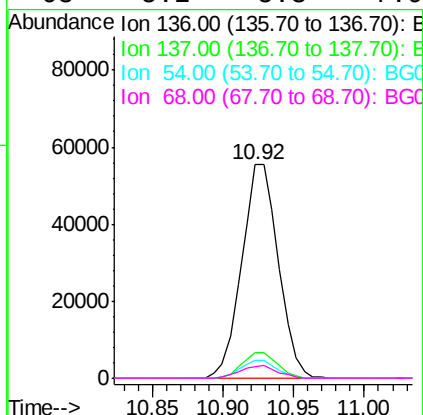
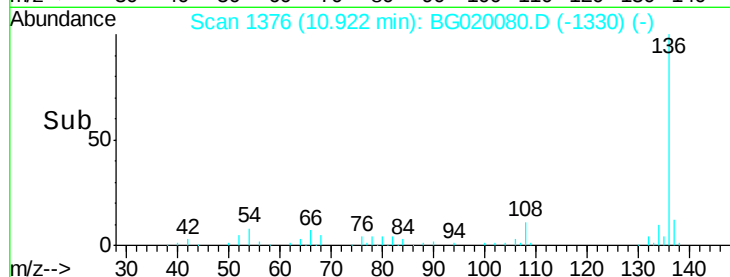
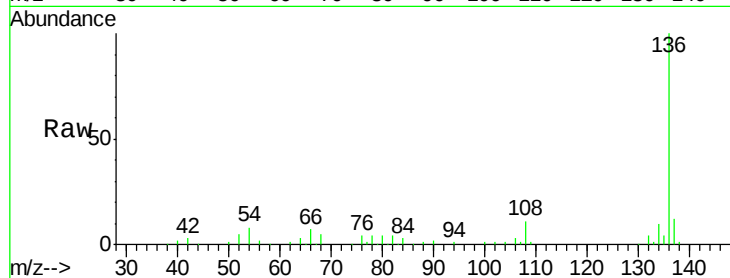
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.92 min Scan# 1376
Delta R.T. -0.03 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Instrument :
BNA_G
ClientSampleId :
S31-15

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.9	8.6	12.8
54	8.1	5.4	8.2
68	5.2	5.3	7.9#

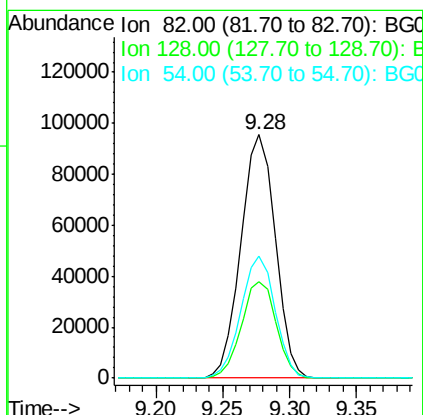
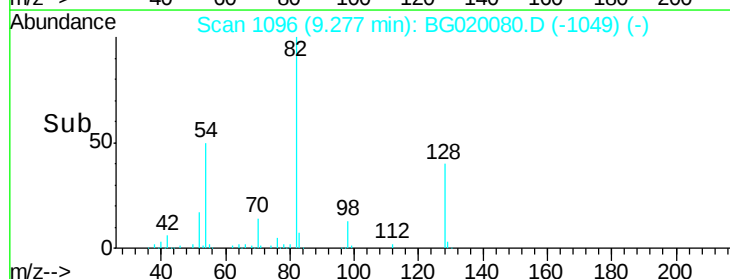
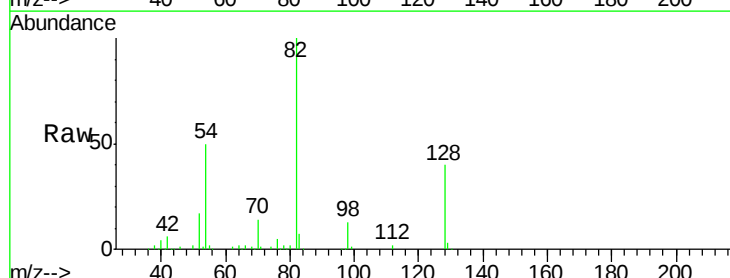
Manual Integrations
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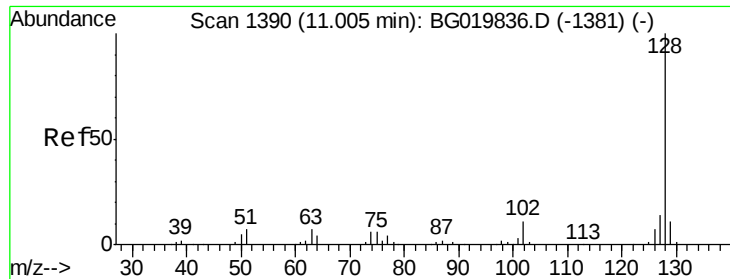
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#23
Nitrobenzene-d5
Concen: 86.39 ng
RT: 9.28 min Scan# 1096
Delta R.T. -0.02 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	39.8	36.7	55.1
54	50.2	33.8	50.8





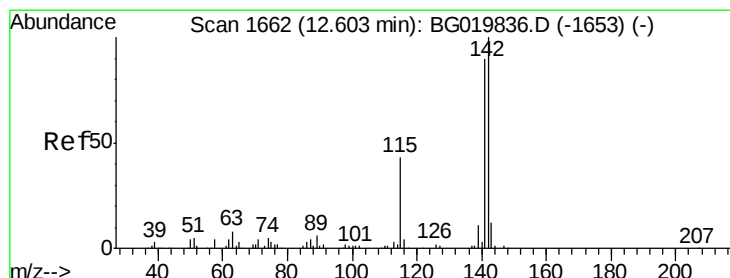
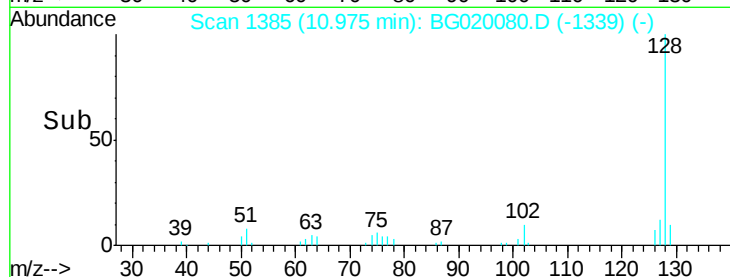
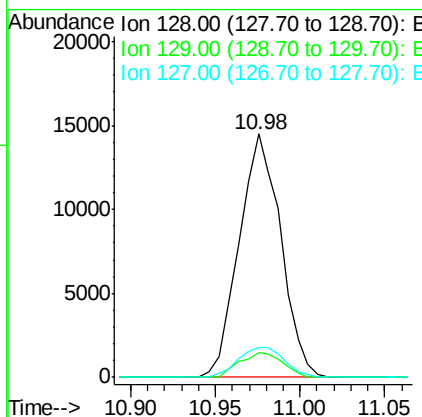
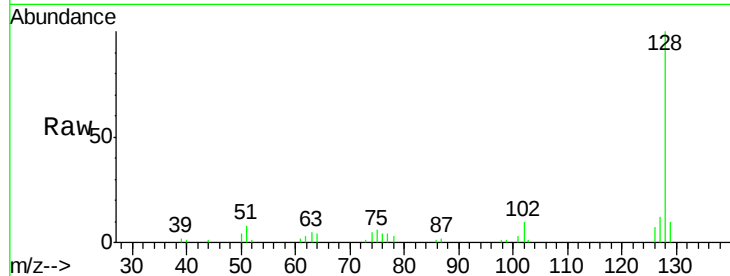
#31
Naphthalene
Concen: 4.60 ng
RT: 10.98 min Scan# 1385
Delta R.T. -0.03 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Instrument :
BNA_G
ClientSampleId :
S31-15

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.5	12.7
127	12.4	10.6	16.0

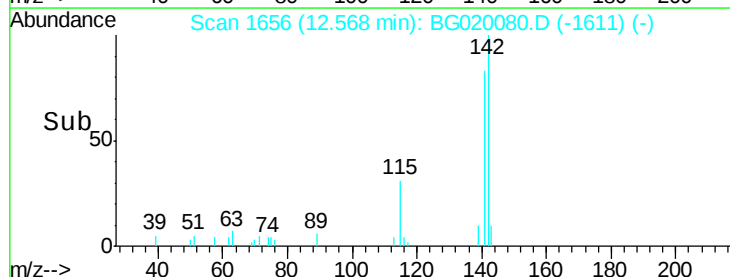
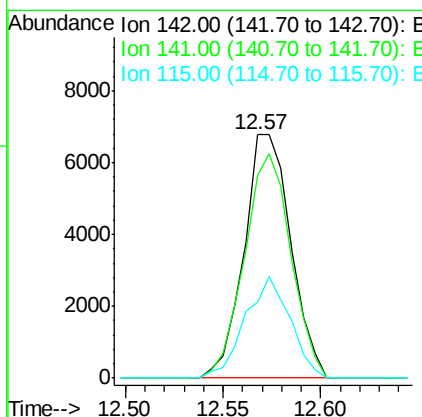
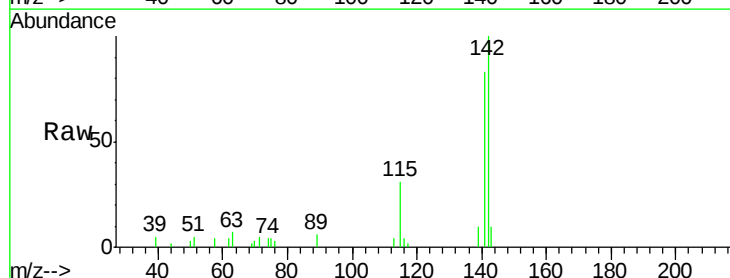
Manual Integrations
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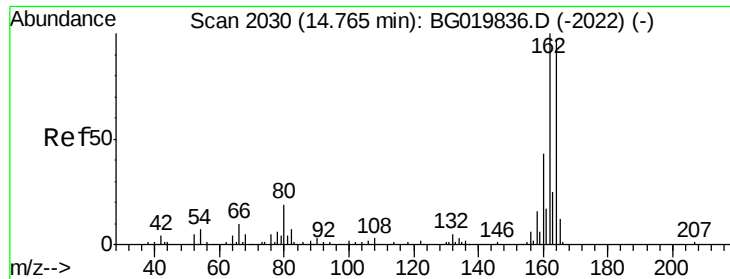
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#37
2-Methylnaphthalene
Concen: 2.84 ng
RT: 12.57 min Scan# 1656
Delta R.T. -0.04 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.2	74.6	112.0
115	31.1	27.4	41.0





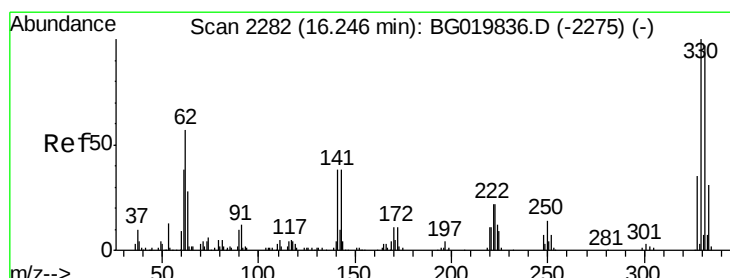
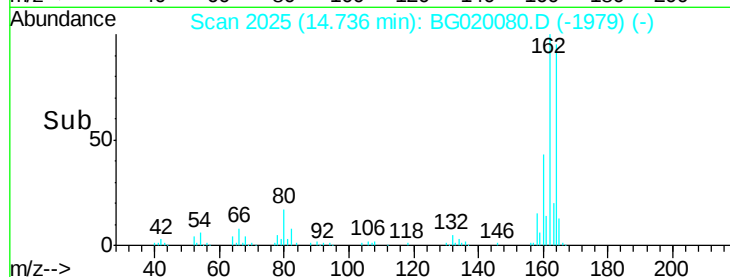
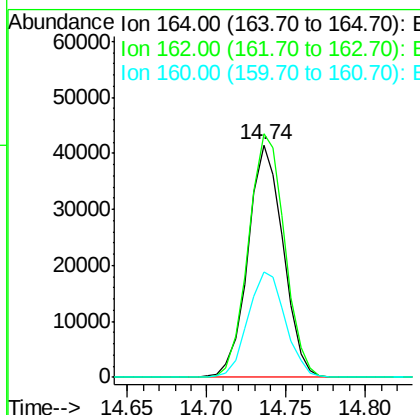
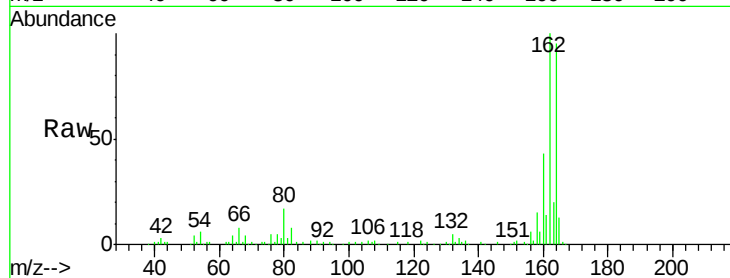
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 2025
Delta R.T. -0.03 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Instrument :
BNA_G
ClientSampled :
S31-15

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.7	63997	78.8	118.2
160	45.5		36.4	54.6

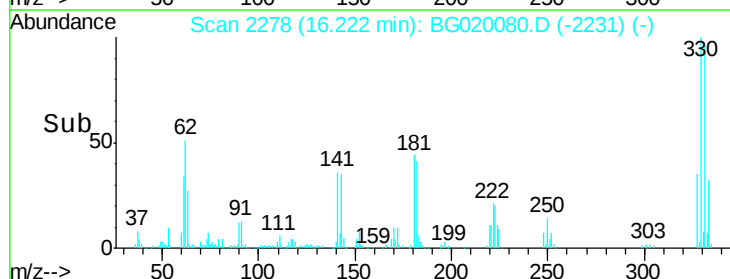
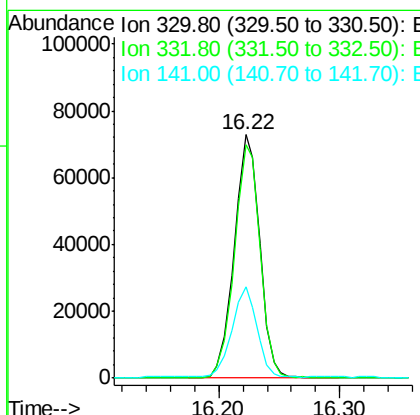
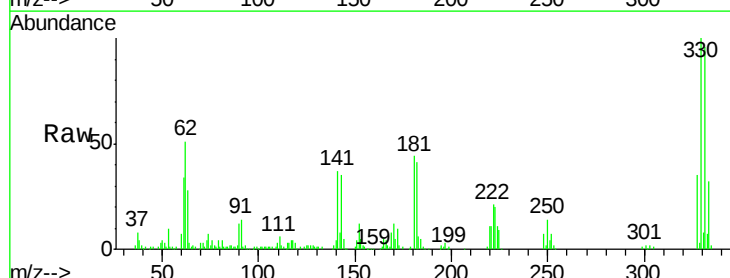
Manual Integrations
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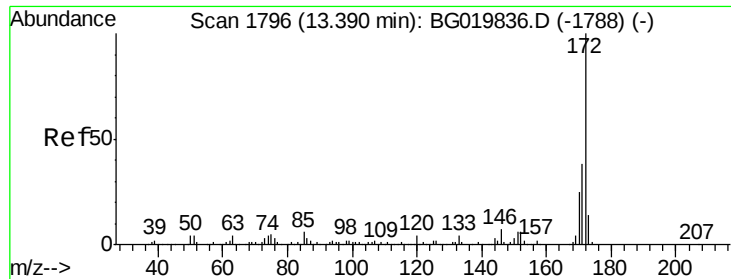
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#41
2,4,6-Tribromophenol
Concen: 109.51 ng
RT: 16.22 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	107234		
332	96.5		78.1	117.1
141	36.3		28.2	42.2





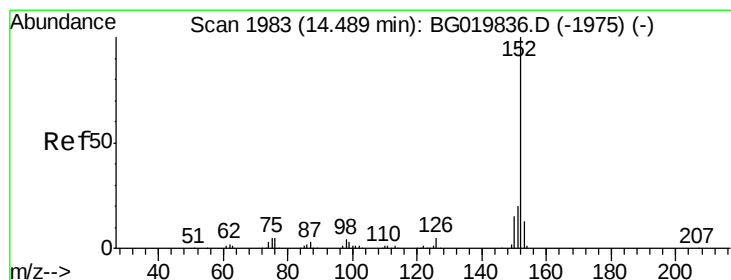
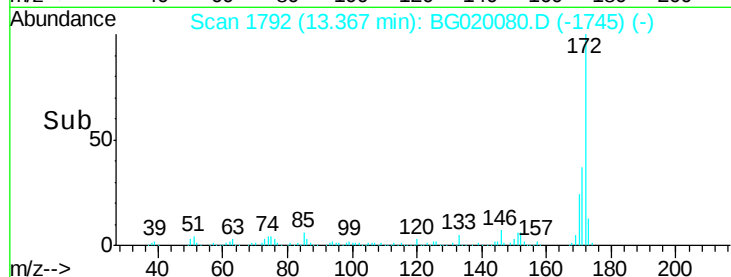
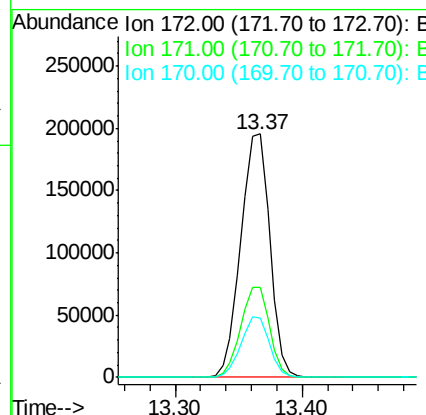
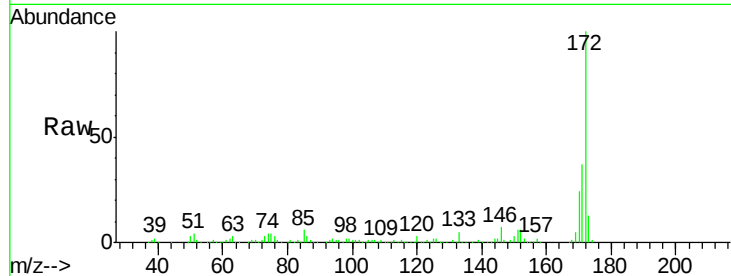
#44
2-Fluorobiphenyl
Concen: 66.28 ng
RT: 13.37 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Instrument :
BNA_G
ClientSampleId :
S31-15

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.0	43.6
170	24.2	19.9	29.9

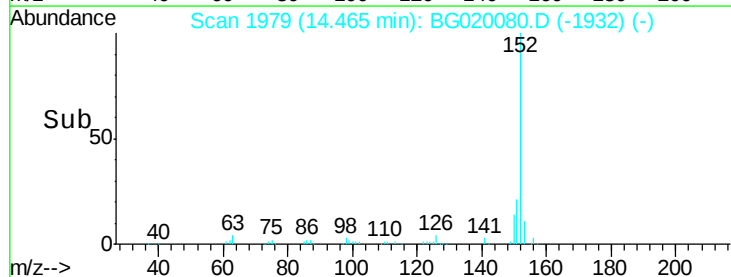
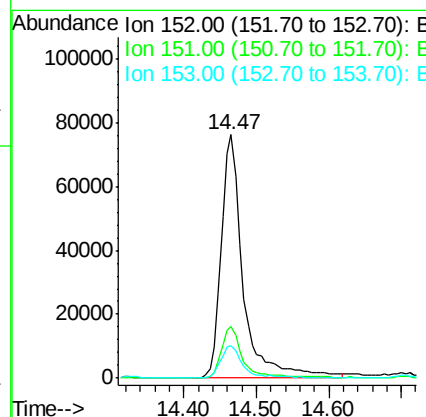
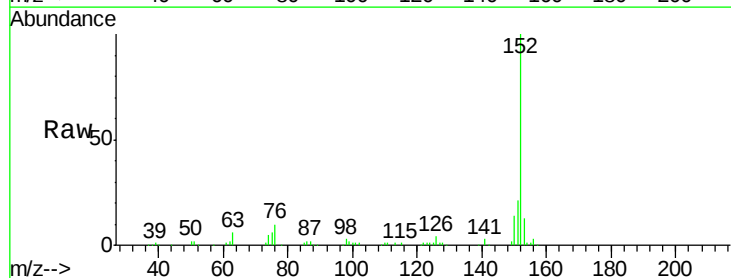
Manual Integrations
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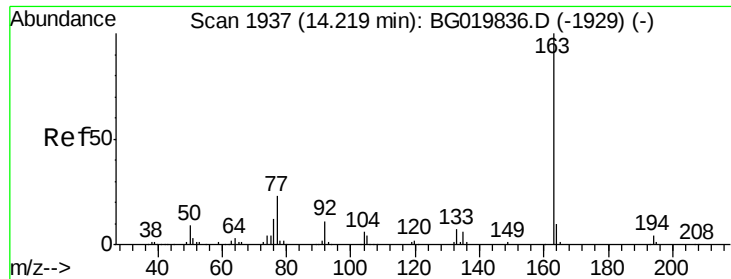
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12/11/2015 6:02:28 PM



#48
Acenaphthylene
Concen: 23.35 ng
RT: 14.47 min Scan# 1979
Delta R.T. -0.02 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	17.0	25.4
153	13.2	10.4	15.6





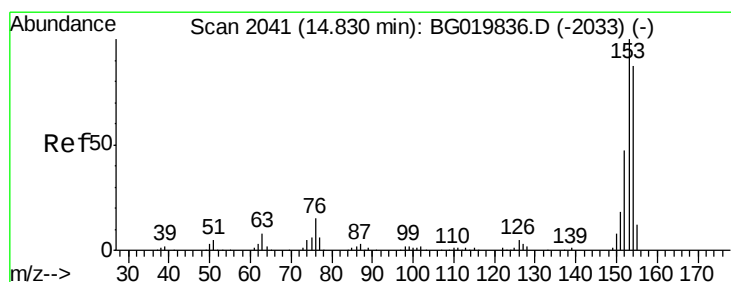
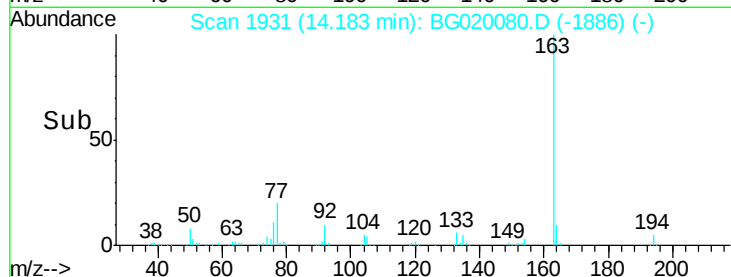
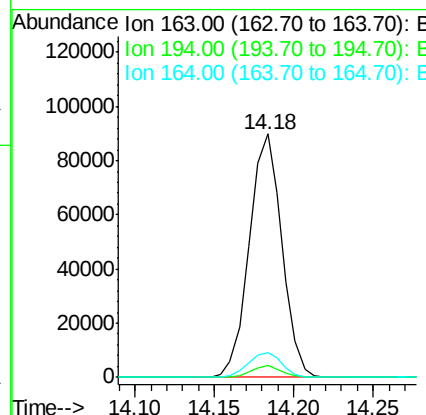
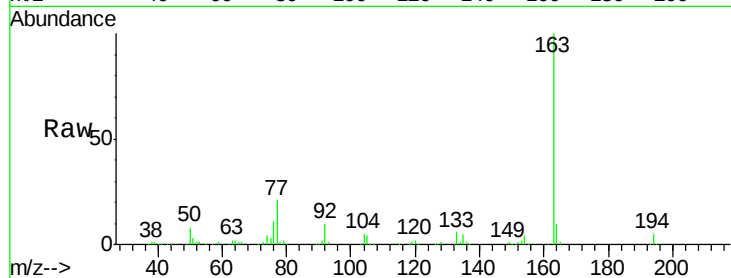
#49
Dimethylphthalate
Concen: 22.22 ng
RT: 14.18 min Scan# 1931
Delta R.T. -0.04 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Instrument :
BNA_G
ClientSampleId :
S31-15

Tot Ion	Ratio	Resp	Lower	Upper
163	100	127901		
194	4.8	3.1	4.7#	
164	10.0	8.8	13.2	

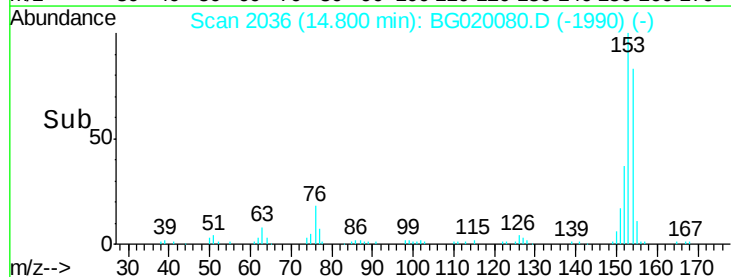
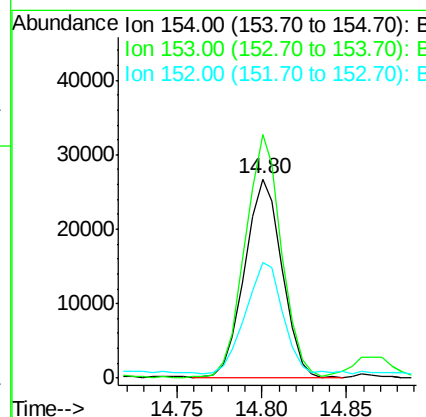
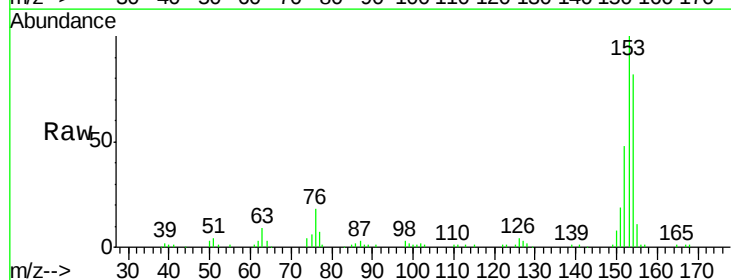
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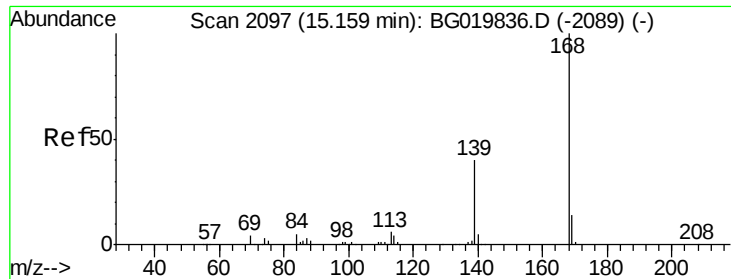
MMdadoda
12/11/2015 6:02:28 PM



#51
Acenaphthene
Concen: 9.87 ng
RT: 14.80 min Scan# 2036
Delta R.T. -0.03 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	41314		
153	122.1	92.9	139.3	
152	58.2	45.8	68.8	





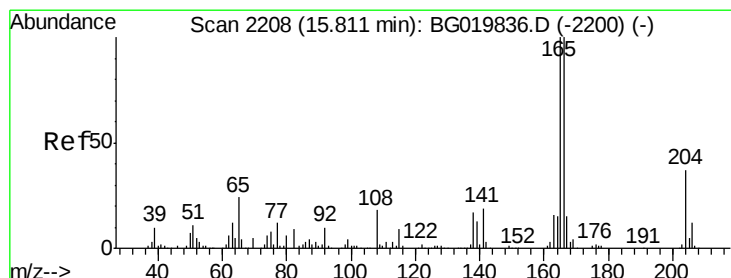
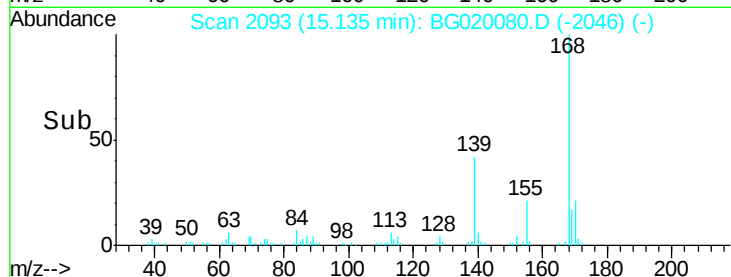
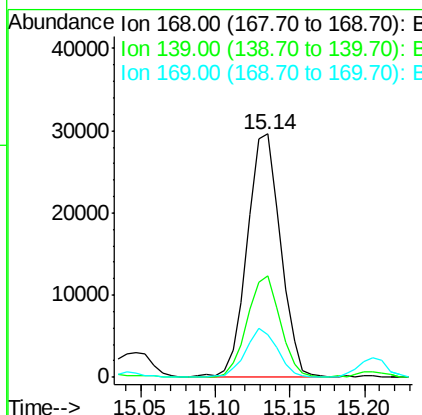
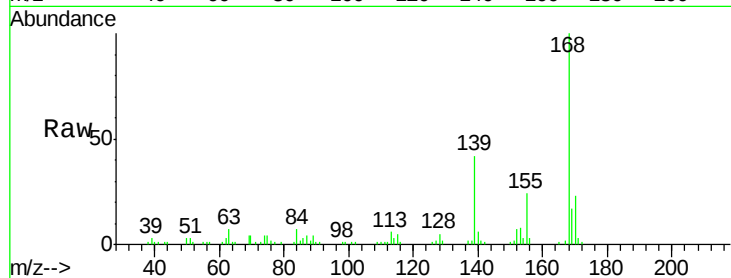
#54
Dibenzofuran
Concen: 7.33 ng
RT: 15.14 min Scan# 2093
Delta R.T. -0.02 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Instrument :
BNA_G
ClientSampleId :
S31-15

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.6	27.4	41.0#
169	17.4	11.0	16.4#

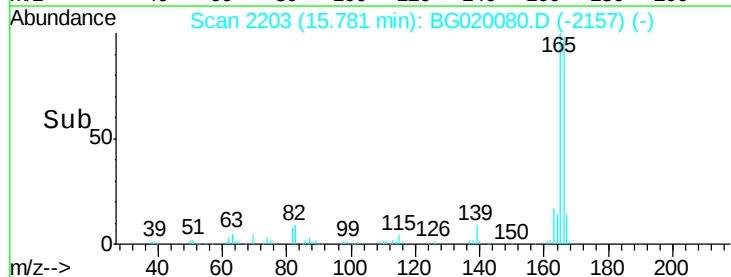
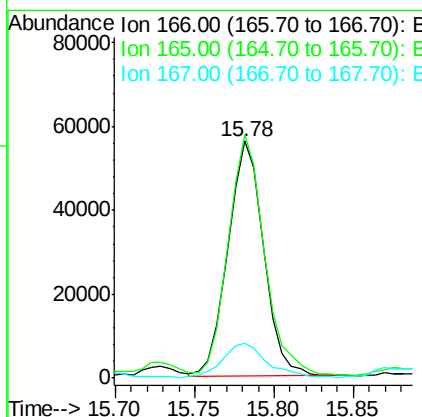
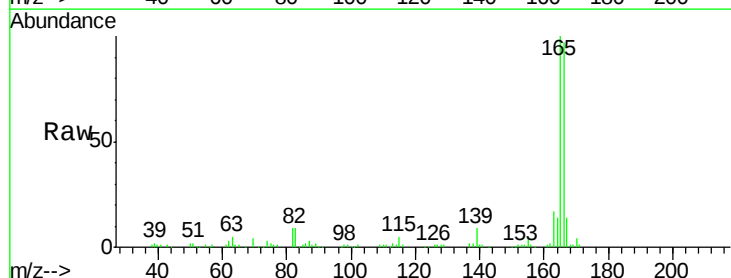
Manual Integrations
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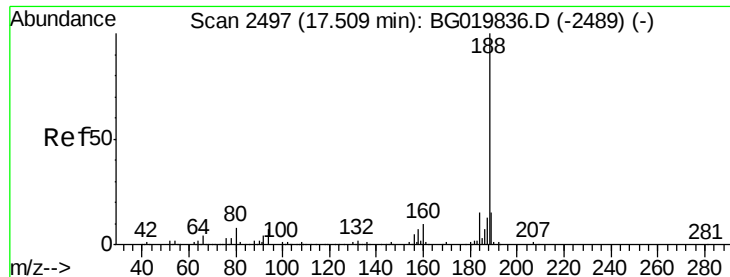
MMdadoda
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#57
Fluorene
Concen: 15.70 ng
RT: 15.78 min Scan# 2203
Delta R.T. -0.03 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.7	80.0	120.0
167	14.7	11.1	16.7





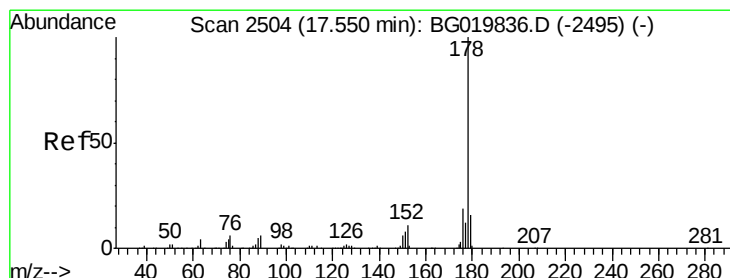
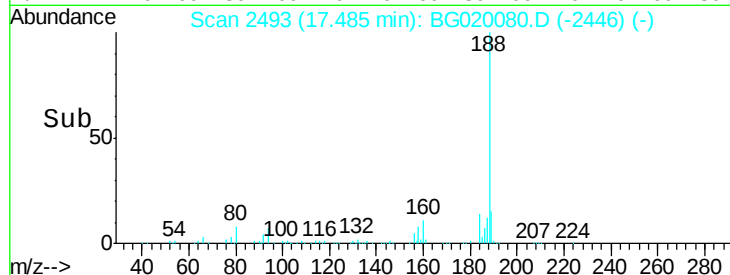
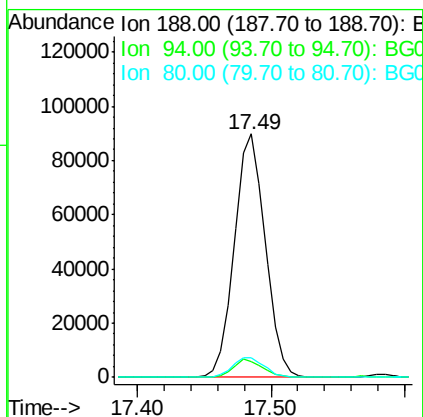
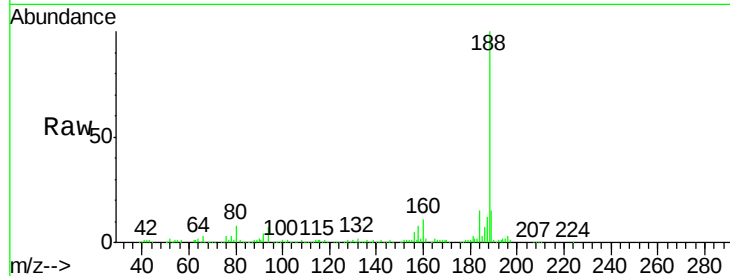
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2493
Delta R.T. -0.02 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Instrument :
BNA_G
ClientSampleId :
S31-15

Tot Ion	Ratio	Resp	Lower	Upper
188	100	144286		
94	6.7	7.7	11.5#	
80	8.0	7.8	11.8	

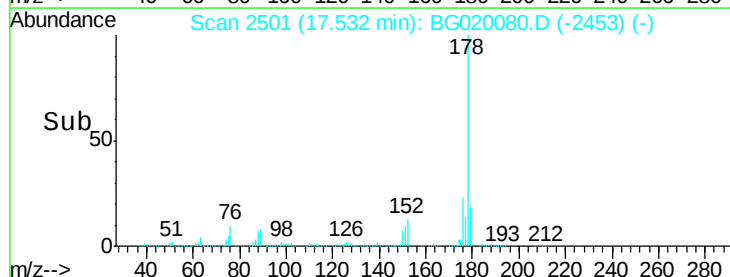
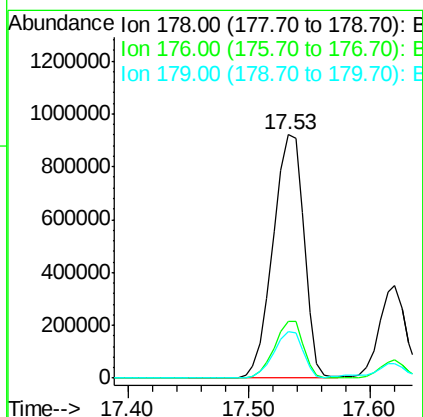
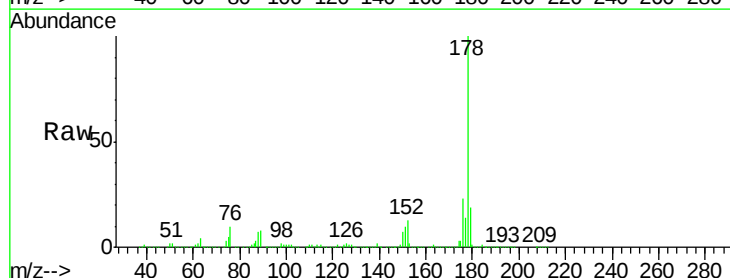
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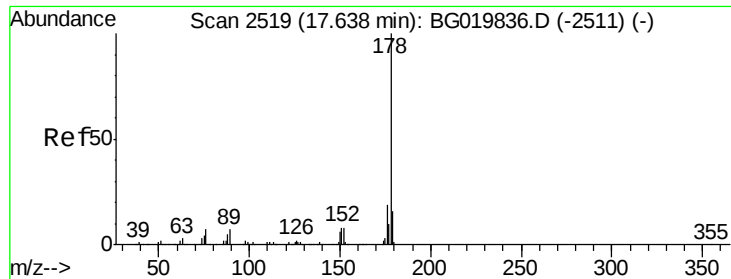
MMdadoda
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#70
Phenanthrene
Concen: 199.02 ng
RT: 17.53 min Scan# 2501
Delta R.T. -0.02 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1624726		
176	23.3	16.7	25.1	
179	19.2	13.9	20.9	





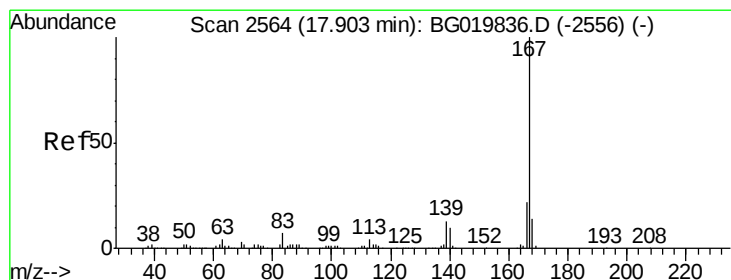
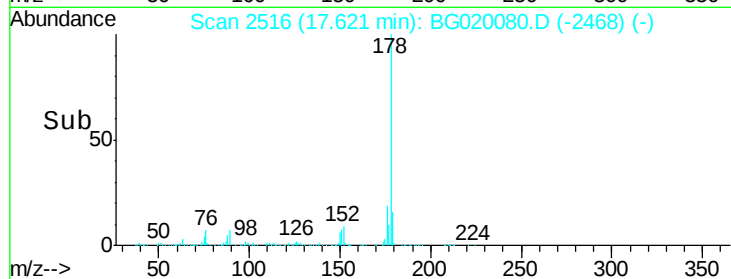
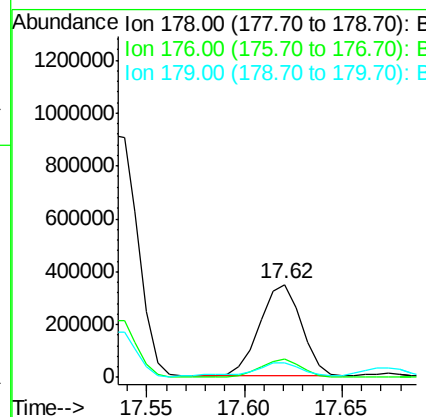
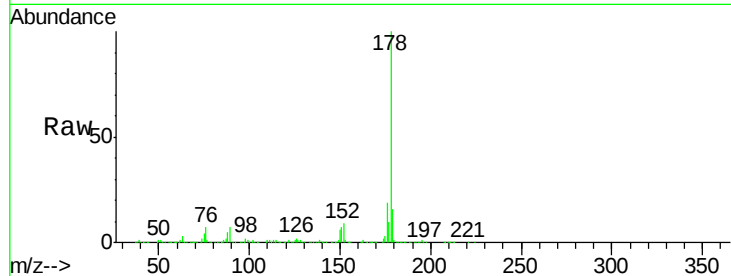
#71
 Anthracene
 Concen: 62.10 ng
 RT: 17.62 min Scan# 2516
 Delta R.T. -0.02 min
 Lab File: BG020080.D
 Acq: 10 Dec 2015 17:56

Instrument :
 BNA_G
 ClientSampleId :
 S31-15

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.8	25.2
179	16.0	13.9	20.9

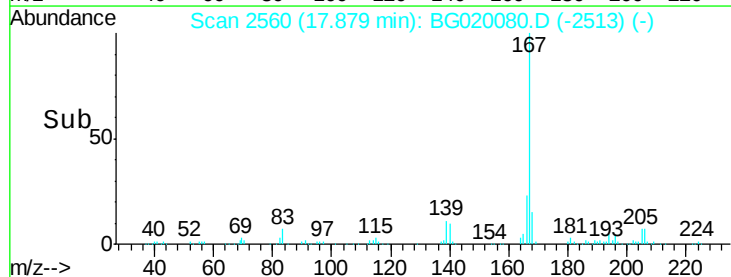
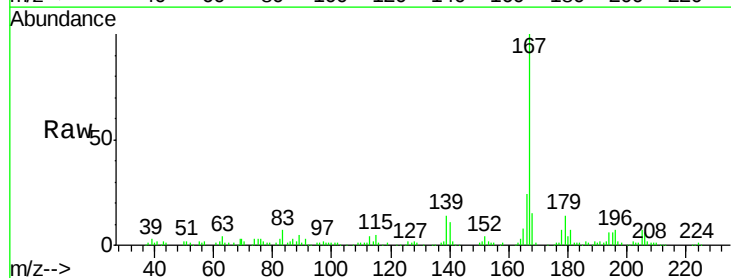
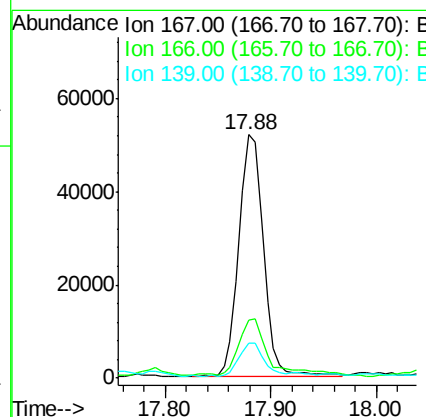
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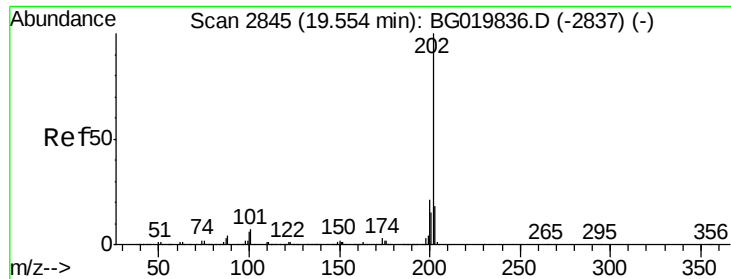
MMdadoda
 12/11/2015 6:02:28 PM



#72
 Carbazole
 Concen: 11.54 ng
 RT: 17.88 min Scan# 2560
 Delta R.T. -0.02 min
 Lab File: BG020080.D
 Acq: 10 Dec 2015 17:56

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.8	19.0	28.6
139	14.2	10.2	15.4





#74

Fluoranthene

Concen: 323.23 ng

RT: 19.55 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BG020080.D

Acq: 10 Dec 2015 17:56

Instrument :

BNA_G

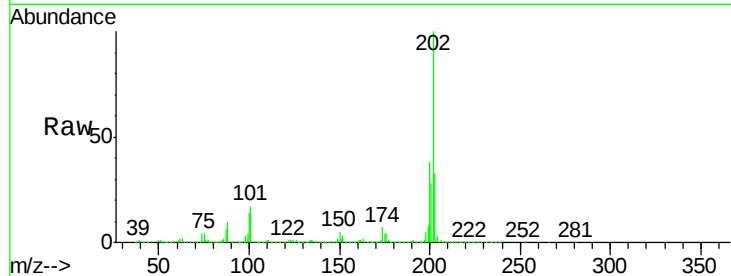
ClientSampleId :

S31-15

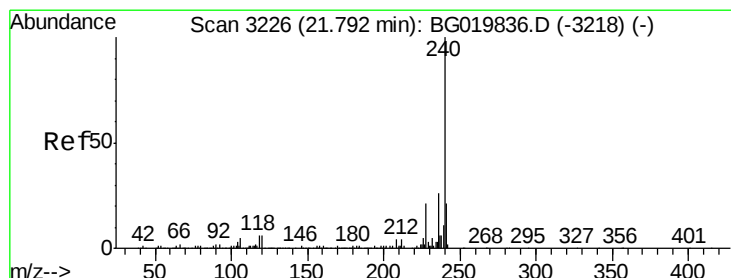
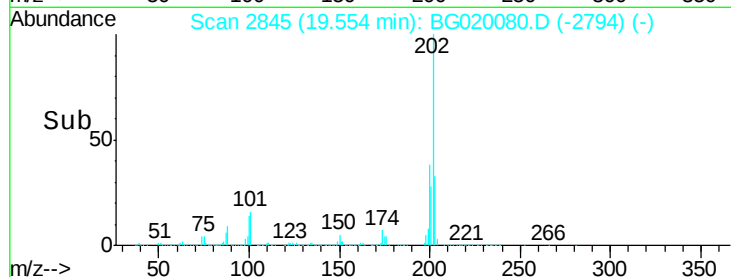
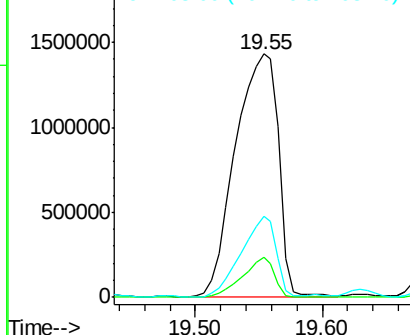
Tot Ion:	202	Resp:	3375020
Ion	Ratio	Lower	Upper
202	100		
101	16.5	0.0	32.4
203	33.3	0.0	39.5

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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

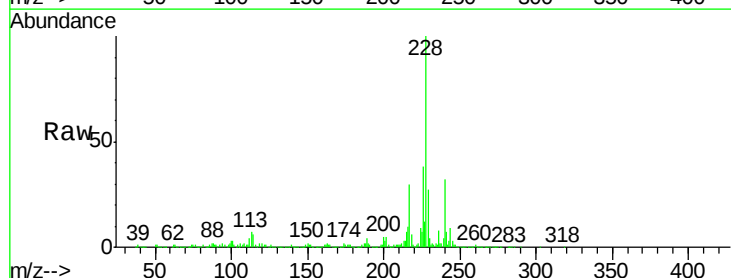
RT: 21.78 min Scan# 3224

Delta R.T. -0.01 min

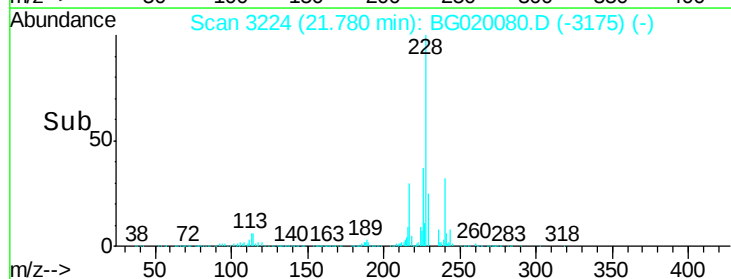
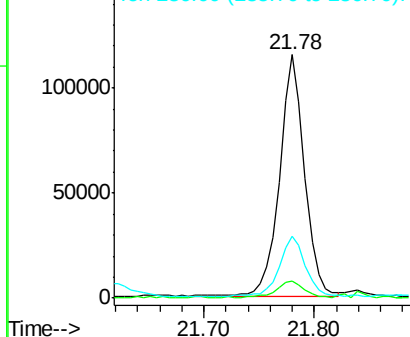
Lab File: BG020080.D

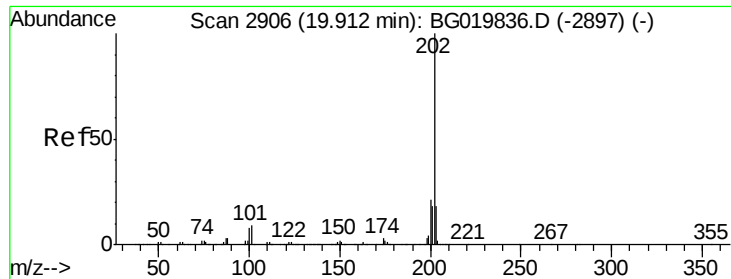
Acq: 10 Dec 2015 17:56

Tgt Ion:	240	Resp:	180028
Ion	Ratio	Lower	Upper
240	100		
120	7.0	7.4	11.0#
236	25.6	20.7	31.1



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

Pvrene

Concen: 301.49 ng

RT: 19.92 min Scan# 2907

Delta R.T. 0.01 min

Lab File: BG020080.D

Acq: 10 Dec 2015 17:56

Instrument :

BNA_G

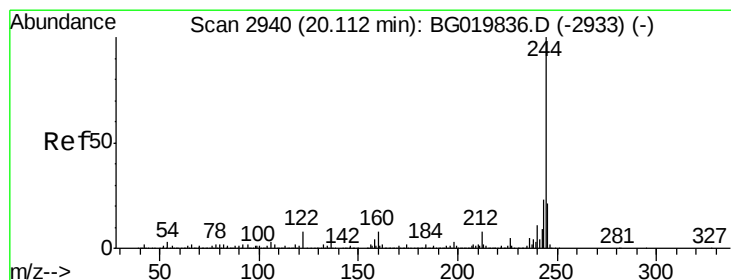
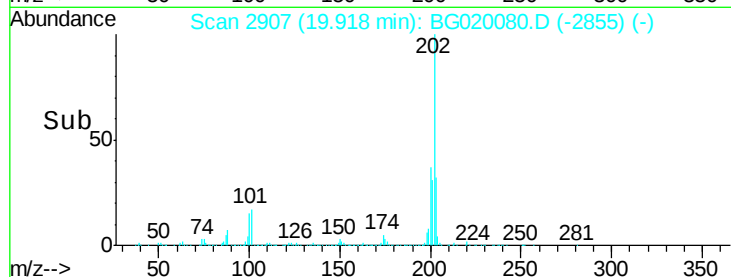
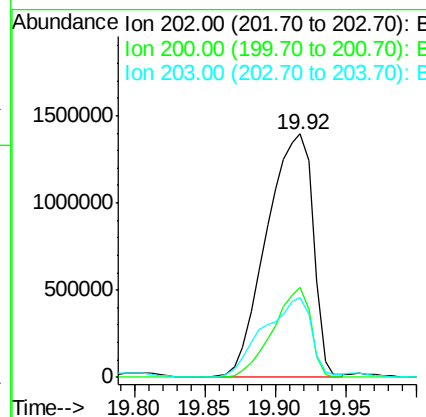
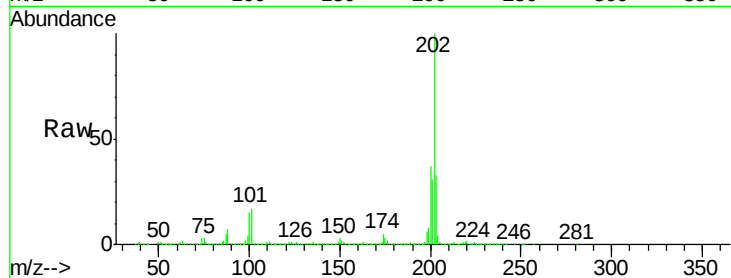
ClientSampleId :

S31-15

Tot Ion:	202	Resp:	3193171
Ion Ratio	Lower	Upper	
202	100		
200	37.0	19.4	29.0#
203	32.8	15.5	23.3#

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12/11/2015 6:02:28 PM



#78

Terphenyl-d14

Concen: 62.30 ng

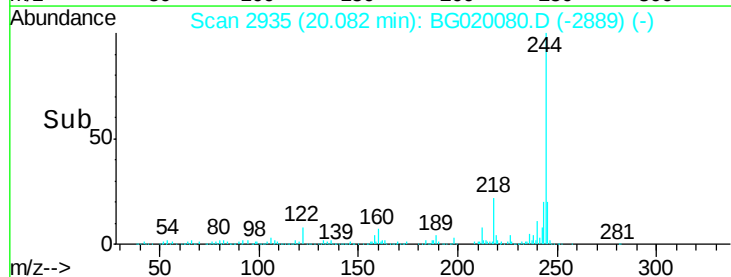
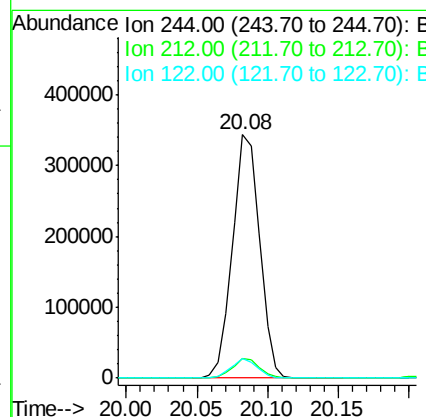
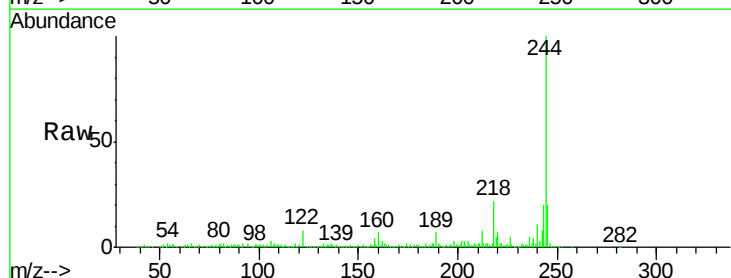
RT: 20.08 min Scan# 2935

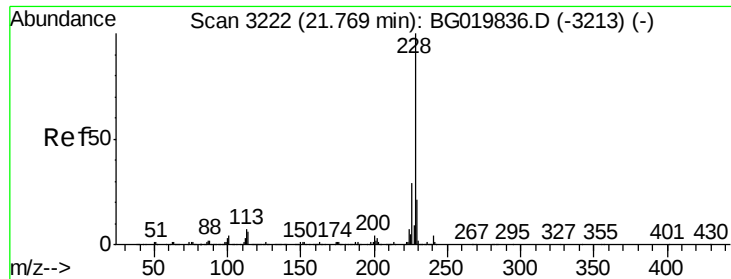
Delta R.T. -0.03 min

Lab File: BG020080.D

Acq: 10 Dec 2015 17:56

Tgt Ion:	244	Resp:	459814
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.9	10.3
122	8.0	10.2	15.2#





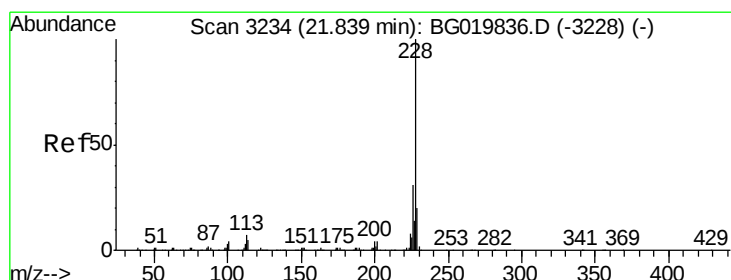
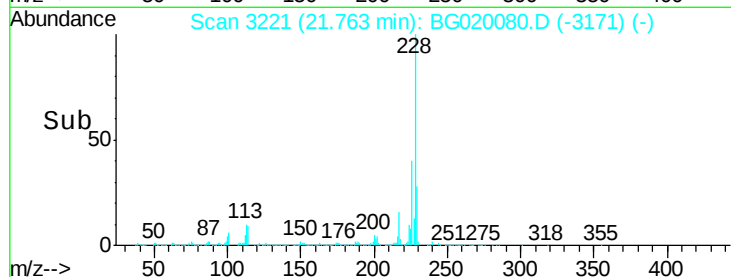
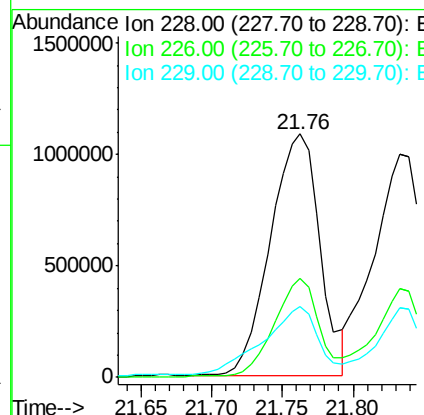
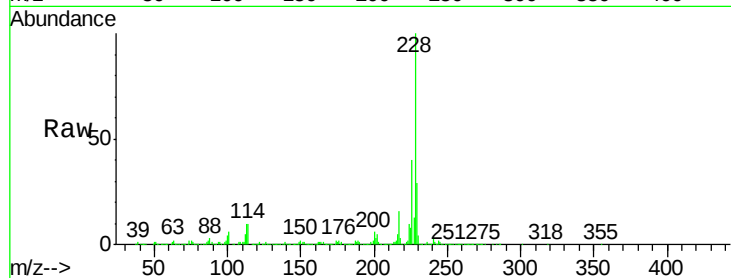
#80
Benzo(a)anthracene
Concen: 240.57 ng
RT: 21.76 min Scan# 3221
Delta R.T. -0.01 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Instrument :
BNA_G
ClientSampleID :
S31-15

Tot Ion	Ratio	Lower	Upper
228	100		
226	40.5	23.4	35.0#
229	29.1	16.6	25.0#

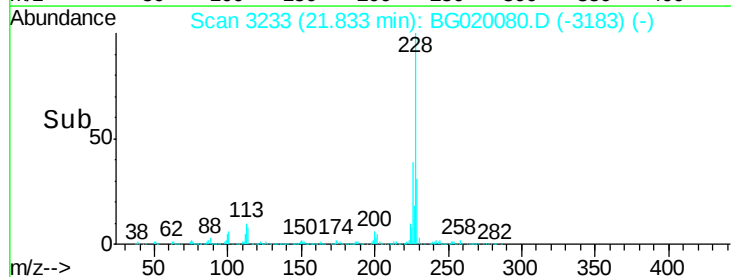
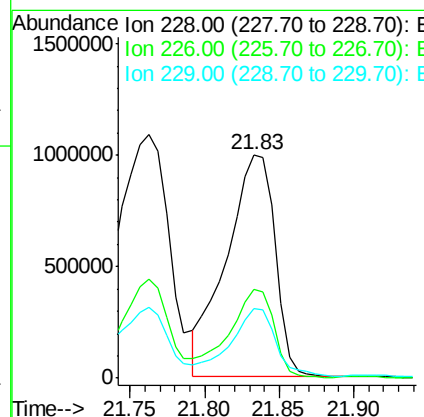
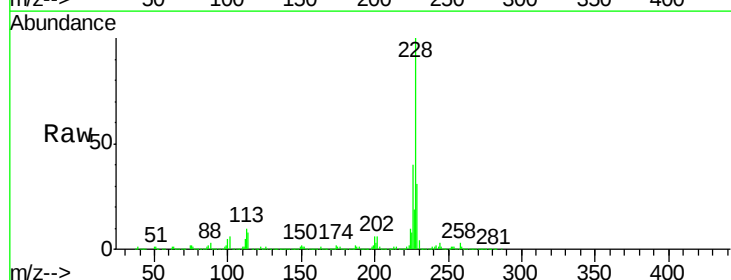
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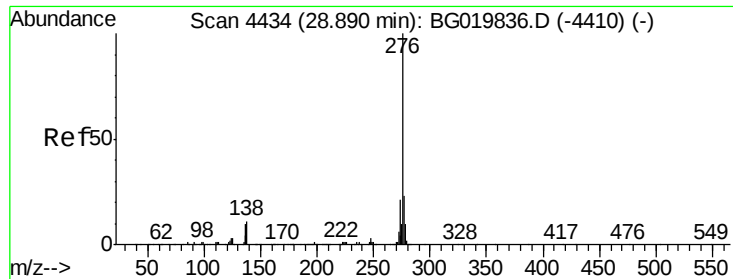
MMdadoda
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#82
Chrysene
Concen: 215.79 ng
RT: 21.83 min Scan# 3233
Delta R.T. -0.01 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.7	26.7	40.1
229	31.0	17.0	25.6#





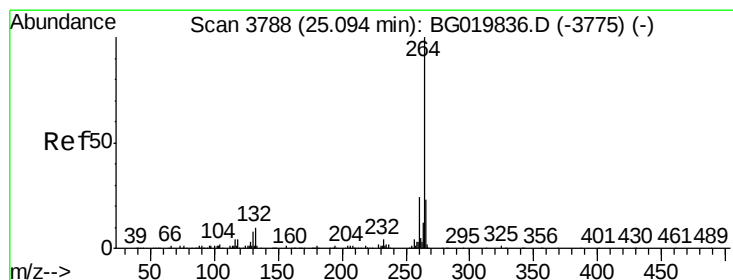
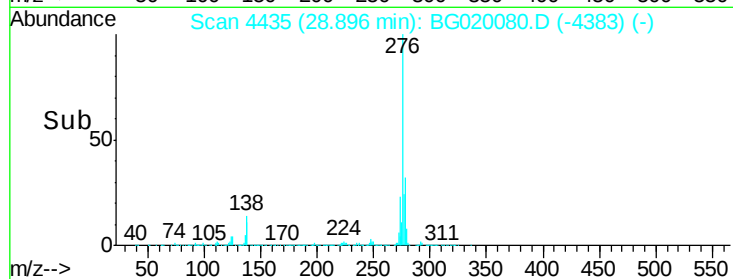
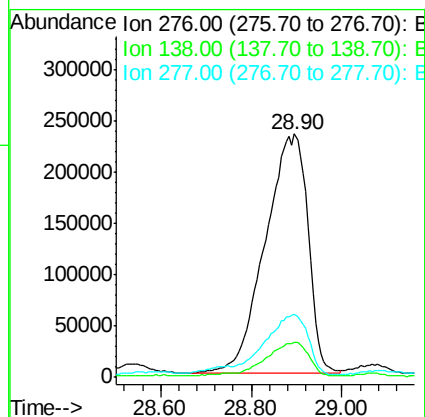
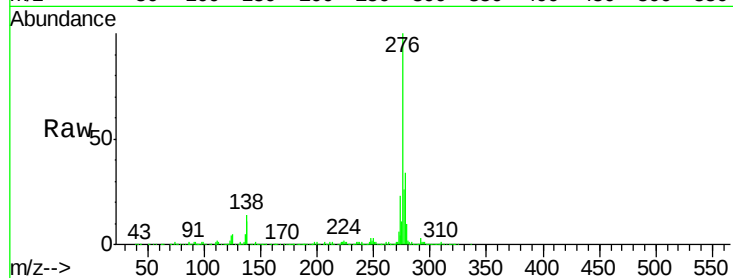
#85
Indeno(1,2,3-cd)pyrene
Concen: 133.05 ng
RT: 28.90 min Scan# 4435
Delta R.T. 0.01 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Instrument :
BNA_G
ClientSampleId :
S31-15

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.4	0.0	0.0#
277	24.8	0.0	0.0#

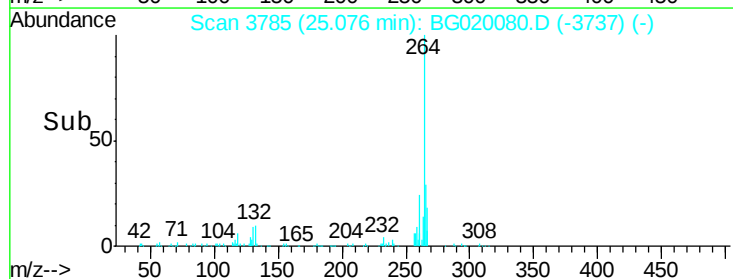
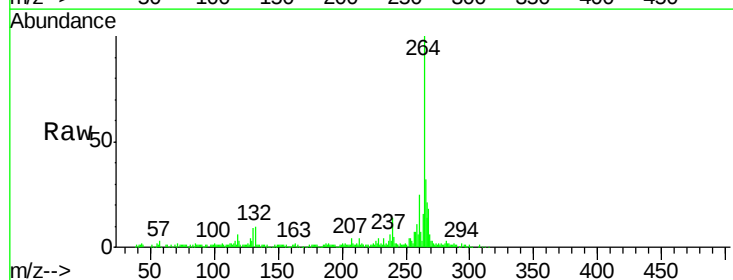
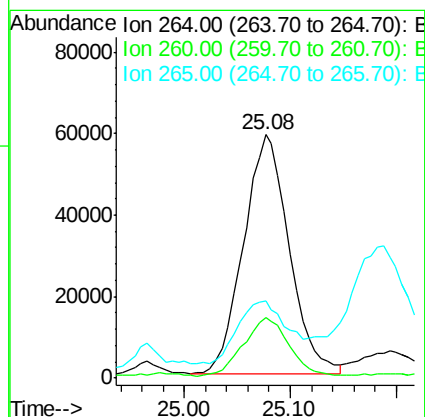
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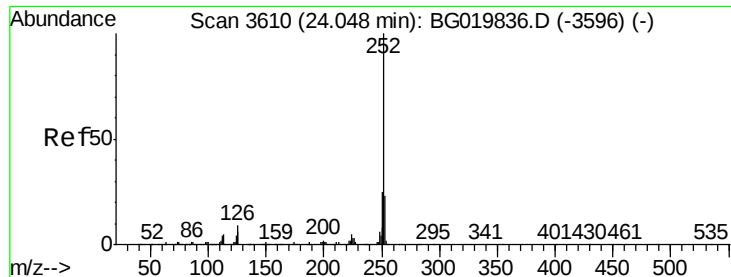
MMdadoda
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#86
Perylene-d12
Concen: 20.00 ng
RT: 25.08 min Scan# 3785
Delta R.T. -0.02 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.5	27.7
265	31.6	17.2	25.8#





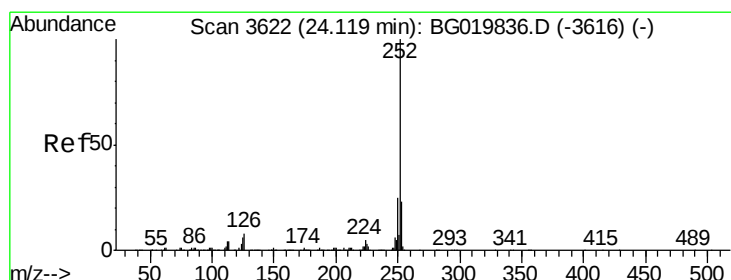
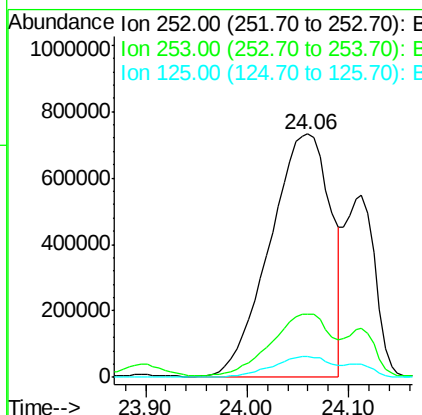
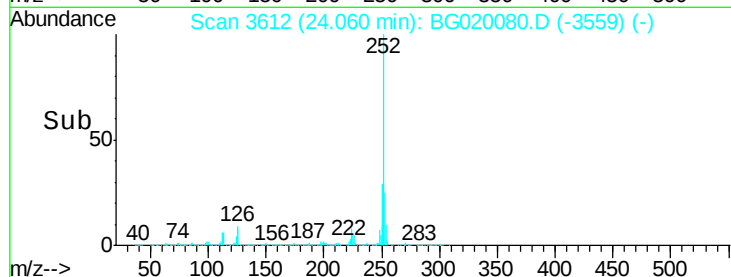
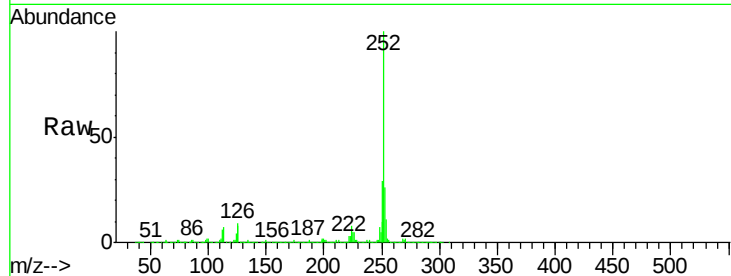
#87
Benzo(b)fluoranthene
Concen: 271.92 ng
RT: 24.06 min Scan# 3612
Delta R.T. 0.01 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Instrument :
BNA_G
ClientSampleId :
S31-15

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	19.1	28.7
125	8.4	8.9	13.3

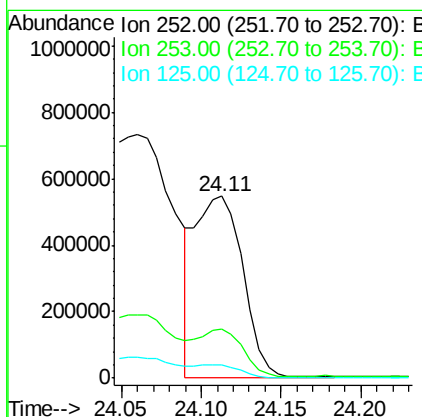
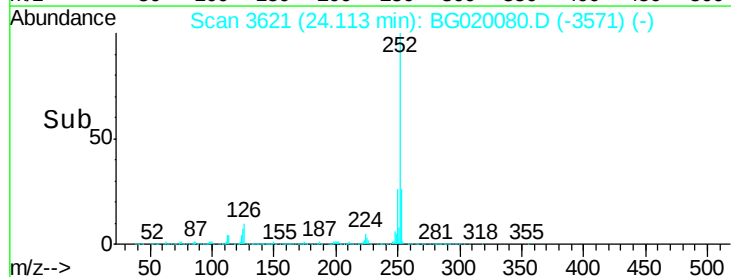
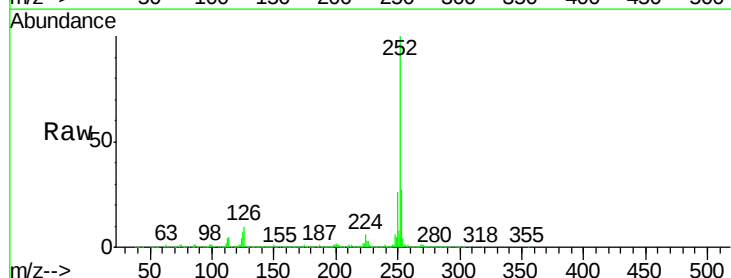
Manual Integrations
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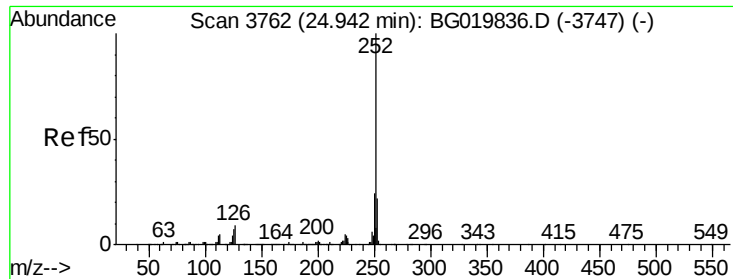
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#88
Benzo(k)fluoranthene
Concen: 103.98 ng m
RT: 24.11 min Scan# 3621
Delta R.T. -0.01 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	19.0	28.4
125	7.2	8.9	13.3





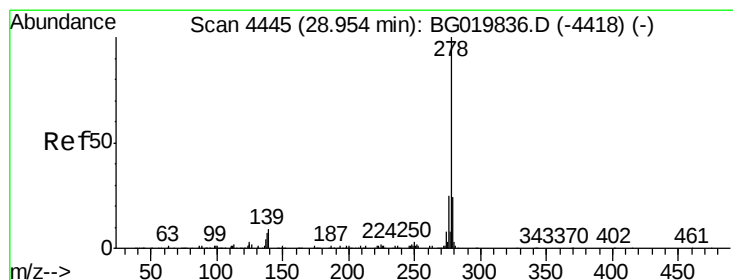
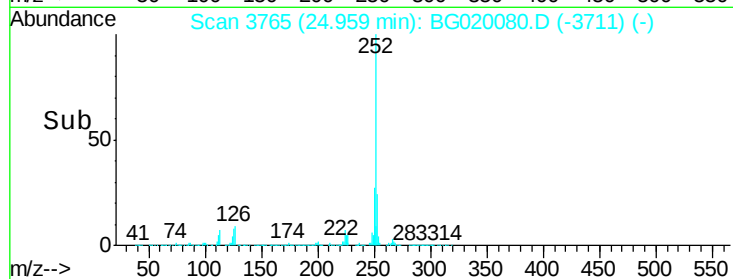
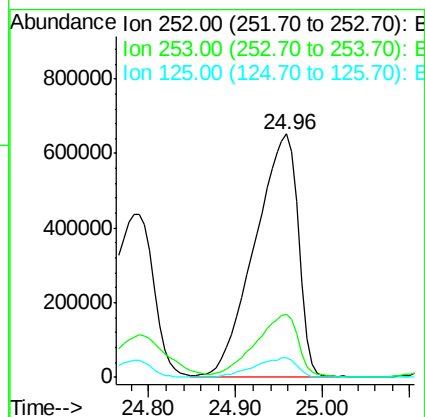
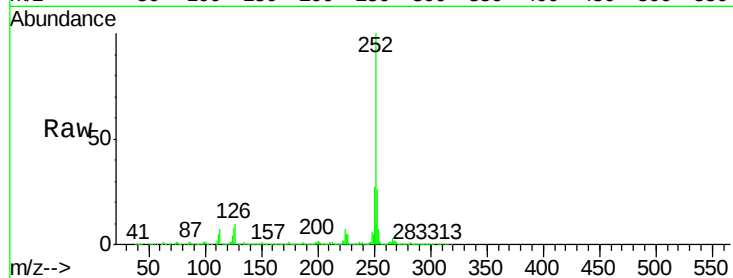
#89
Benzo(a)pyrene
Concen: 218.89 ng/ml
RT: 24.96 min Scan# 3765
Delta R.T. 0.02 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Instrument :
BNA_G
ClientSampleId :
S31-15

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.7	28.1
125	7.9	9.1	13.7

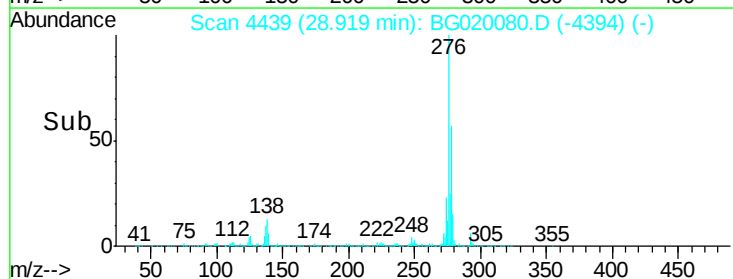
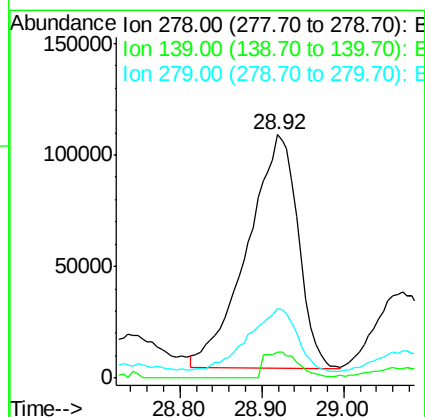
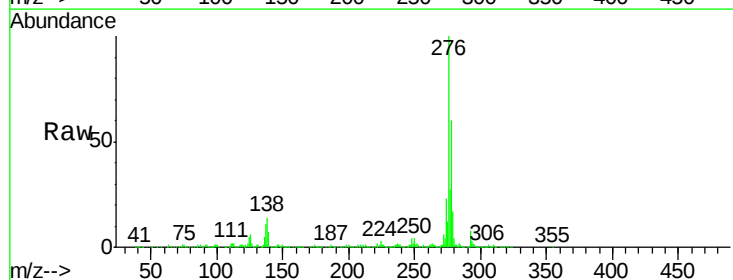
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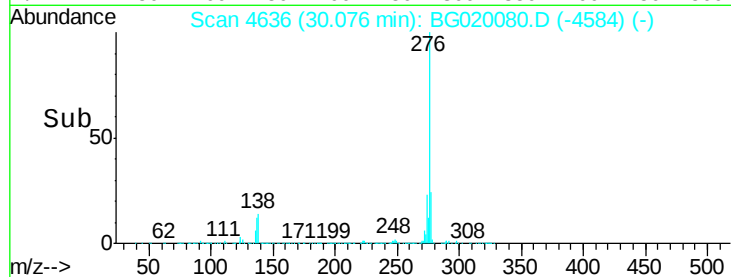
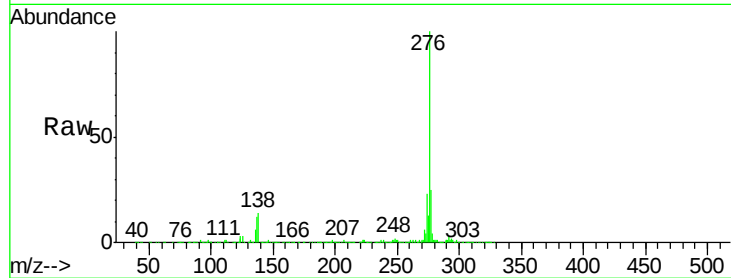
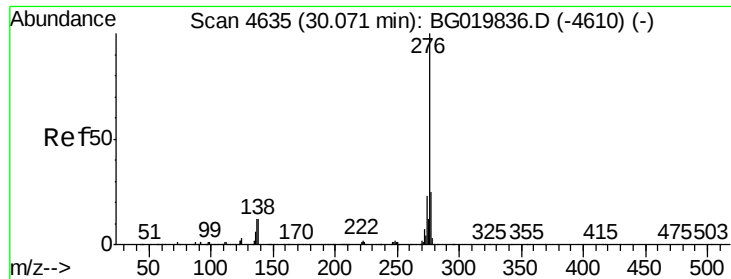
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#90
Dibenzo(a,h)anthracene
Concen: 42.92 ng/ml
RT: 28.92 min Scan# 4439
Delta R.T. -0.04 min
Lab File: BG020080.D
Acq: 10 Dec 2015 17:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.9	13.8	20.6
279	28.4	19.4	29.0





#91

Benzo(a,h,i)perylene

Concen: 132.33 ng

RT: 30.08 min Scan# 4636

Delta R.T. 0.01 min

Lab File: BG020080.D

Acq: 10 Dec 2015 17:56

Tot Ion: 276 Resp: 1359405

Ion Ratio Lower Upper

276 100

277 24.6 18.4 27.6

138 14.1 17.4 26.0#

Instrument :

BNA_G

ClientSampleId :

S31-15

Manual Integrations
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