

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
 Data File : BG020957.D
 Acq On : 19 Feb 2016 4:59
 Operator : SJ/UM
 Sample : H1397-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TEC-COMP1

Manual Integrations
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Quant Time: Feb 19 07:54:20 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	21883	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	117604	20.00	ng	-0.01
38) Acenaphthene-d10	14.87	164	67661	20.00	ng	-0.02
63) Phenanthrene-d10	17.61	188	126386	20.00	ng	-0.01
75) Chrysene-d12	21.88	240	113674	20.00	ng	-0.02
86) Perylene-d12	25.25	264	107671	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	172087	132.43	ng	0.00
7) Phenol-d6	7.40	99	252660	133.03	ng	0.00
23) Nitrobenzene-d5	9.43	82	134556	75.23	ng	-0.01
41) 2,4,6-Tribromophenol	16.35	330	75147	112.94	ng	-0.01
44) 2-Fluorobiphenyl	13.50	172	318030	66.03	ng	-0.01
78) Terphenyl-d14	20.19	244	303189	62.22	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	14.31	163	67668	12.79	ng	98
70) Phenanthrene	17.65	178	348368	48.41	ng	99
71) Anthracene	17.74	178	66067	9.05	ng	98
72) Carbazole	18.00	167	17198	2.62	ng	99
74) Fluoranthene	19.64	202	529072	68.06	ng	99
77) Pyrene	20.00	202	429332	57.26	ng	99
80) Benzo(a)anthracene	21.87	228	221064	32.58	ng	99
82) Chrysene	21.93	228	188023	29.46	ng	97
85) Indeno(1,2,3-cd)pyrene	29.11	276	103815	14.14	ng	# 93
87) Benzo(b)fluoranthene	24.18	252	228654	34.70	ng	99
88) Benzo(k)fluoranthene	24.24	252	77321m	11.98	ng	
89) Benzo(a)pyrene	25.10	252	158114	25.18	ng	99
90) Dibenzo(a,h)anthracene	29.15	278	28261	4.63	ng	# 92
91) Benzo(g,h,i)perylene	30.31	276	92790	15.31	ng	98

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

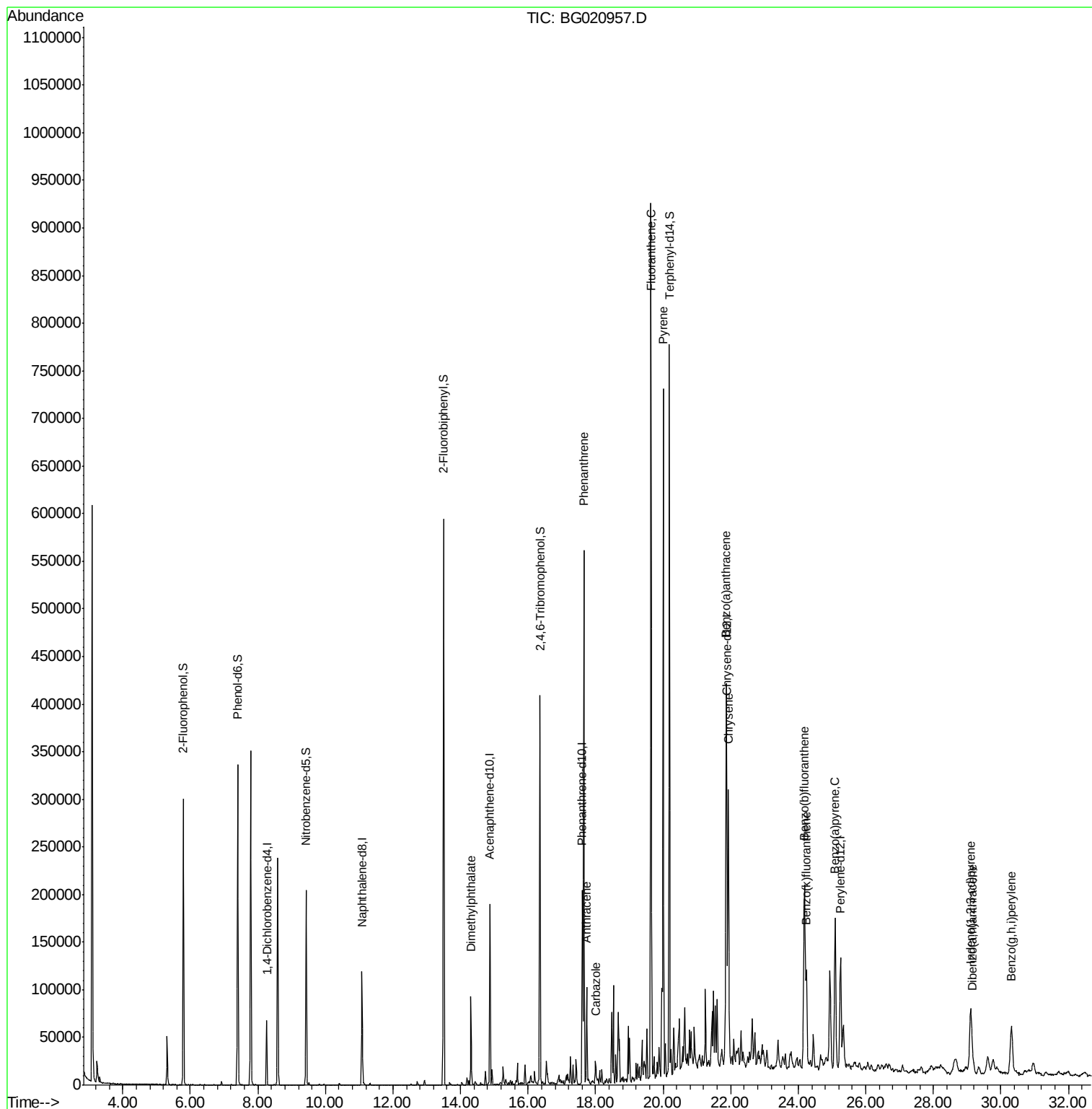
Data Path : Z:\HPCHEM1\BNA G\DATA\BG021816\
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ALS Vial : 20 Sample Multiplier: 1

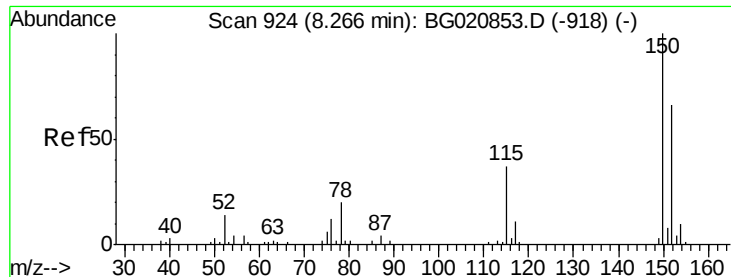
Instrument :
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#1

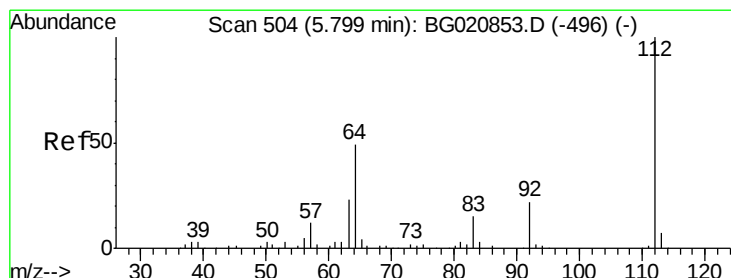
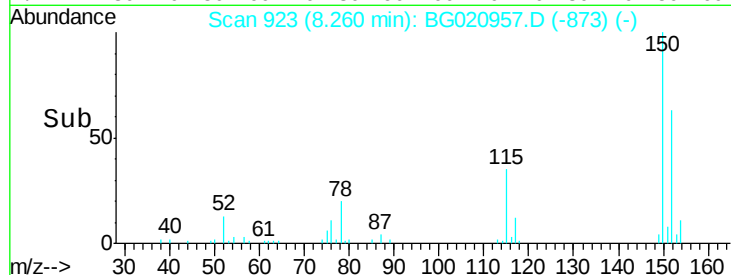
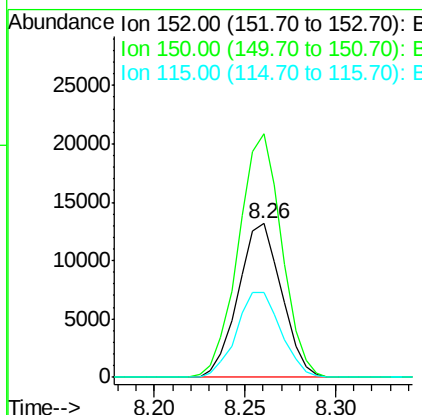
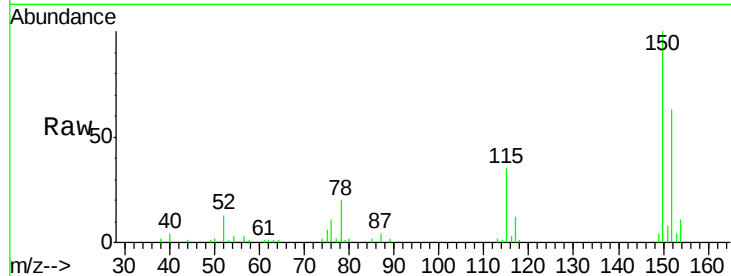
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.26 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG020957.D
Acq: 19 Feb 2016 4:59

Instrument :
BNA_G
ClientSampleId :
TEC-COMP1

Tot Ion	Ratio	Resp	Lower	Upper
152	100	21883		
150	158.5	122.0	183.0	
115	55.0	45.2	67.8	

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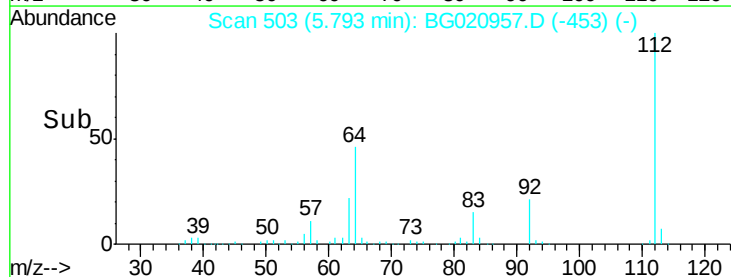
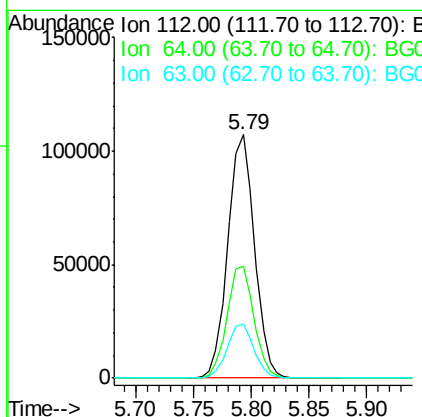
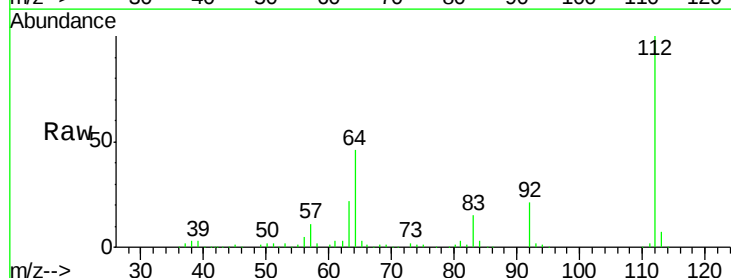
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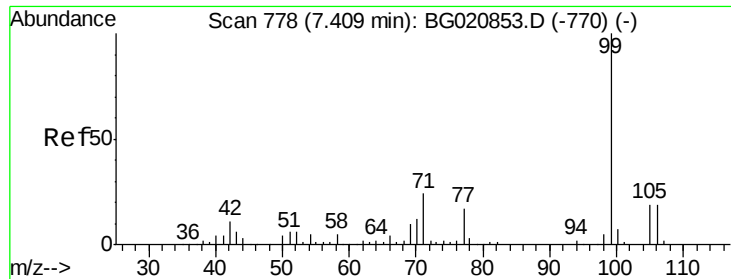


#5

2-Fluorophenol
Concen: 132.43 ng
RT: 5.79 min Scan# 503
Delta R.T. -0.01 min
Lab File: BG020957.D
Acq: 19 Feb 2016 4:59

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	172087		
64	45.8	39.3	58.9	
63	22.0	18.2	27.4	





#7

Phenol-d6

Concen: 133.03 ng

RT: 7.40 min Scan# 777

Delta R.T. -0.01 min

Lab File: BG020957.D

Acq: 19 Feb 2016 4:59

Instrument :

BNA_G

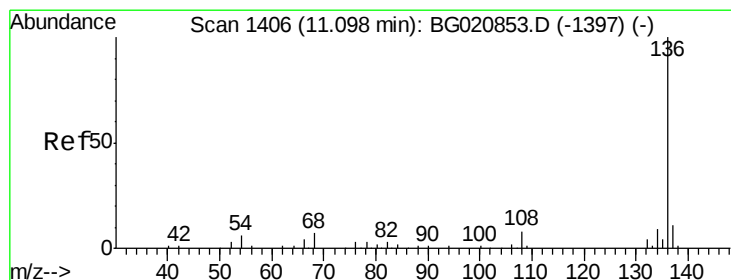
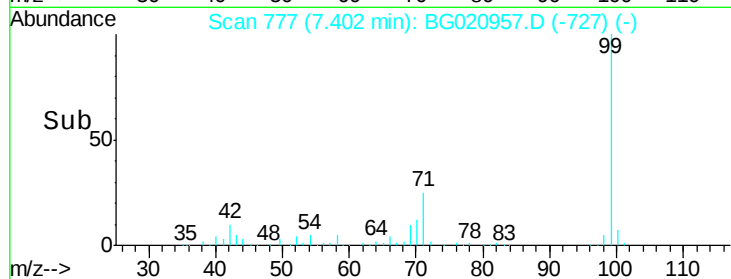
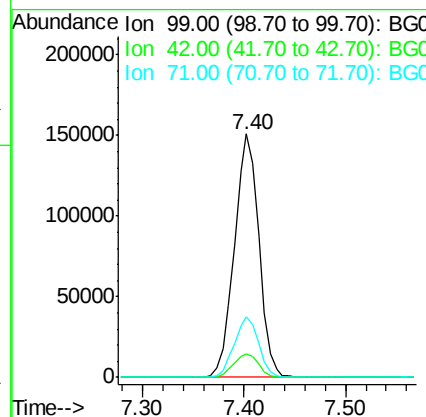
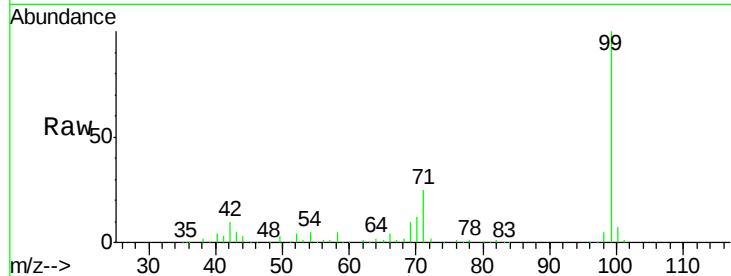
ClientSampleId :

TEC-COMP1

Tot Ion:	99	Resp:	252660
Ion Ratio	Lower	Upper	
99	100		
42	9.7	8.4	12.6
71	24.7	19.4	29.0

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#21

Naphthalene-d8

Concen: 20.00 ng

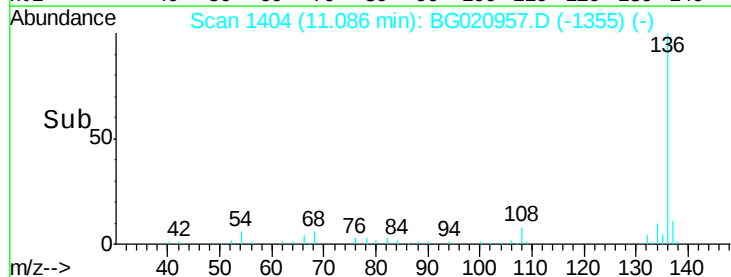
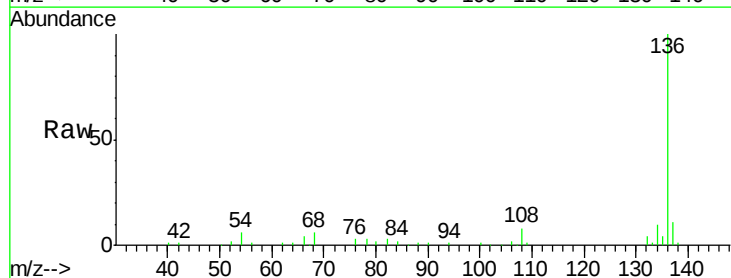
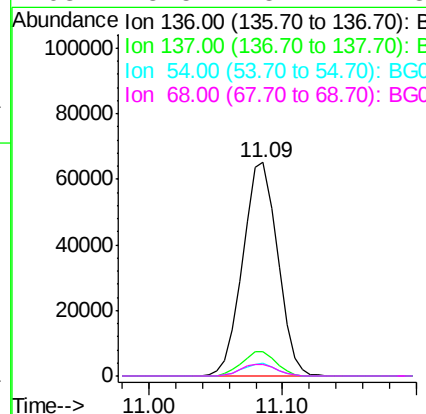
RT: 11.09 min Scan# 1404

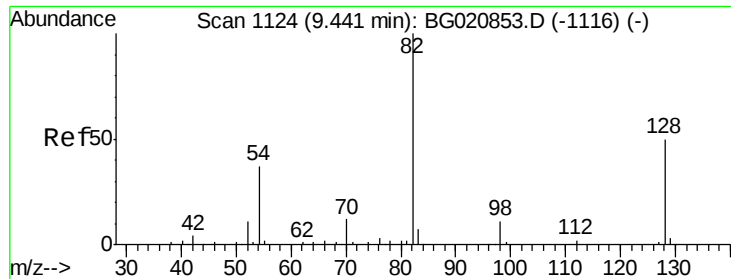
Delta R.T. -0.01 min

Lab File: BG020957.D

Acq: 19 Feb 2016 4:59

Tgt Ion:	136	Resp:	117604
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.8	13.2
54	5.7	5.0	7.4
68	5.5	5.2	7.8





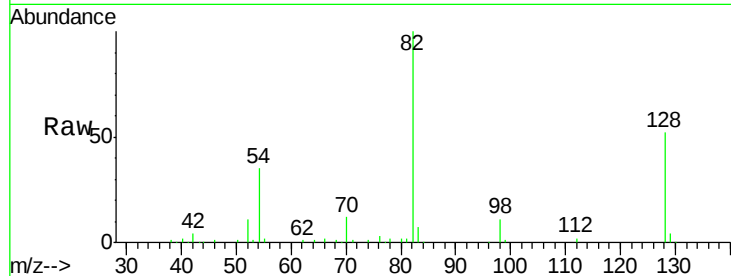
#23
Nitrobenzene-d5
Concen: 75.23 ng
RT: 9.43 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BG020957.D
Acq: 19 Feb 2016 4:59

Instrument :
BNA_G
ClientSampleId :
TEC-COMP1

Tot Ion	Ratio	Lower	Upper
82	100		
128	52.4	40.1	60.1
54	34.7	29.5	44.3

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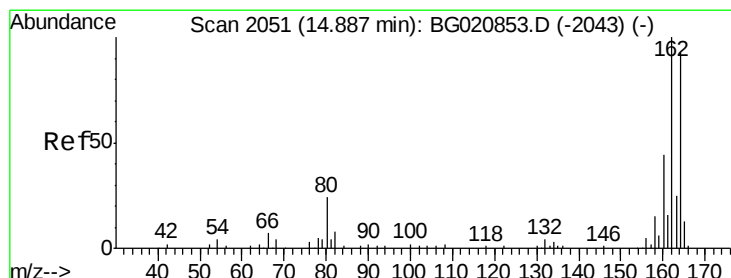
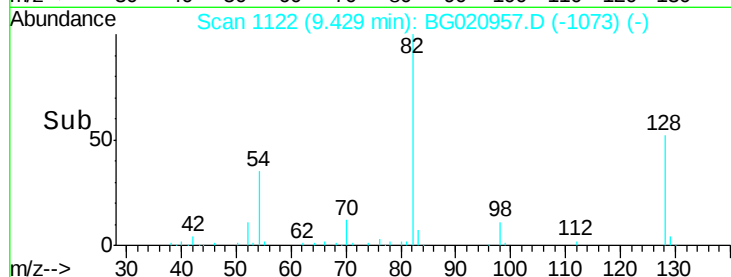
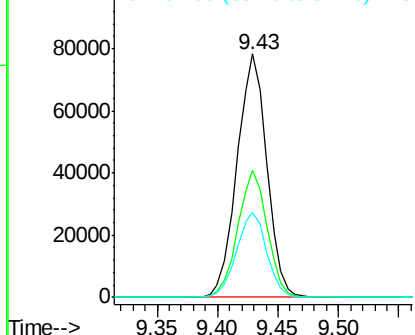


Abundance

Ion 82.00 (81.70 to 82.70): BGC

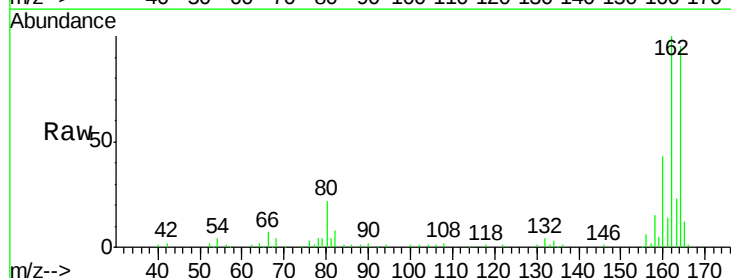
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.87 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BG020957.D
Acq: 19 Feb 2016 4:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	85.7	128.5
160	44.6	37.4	56.0

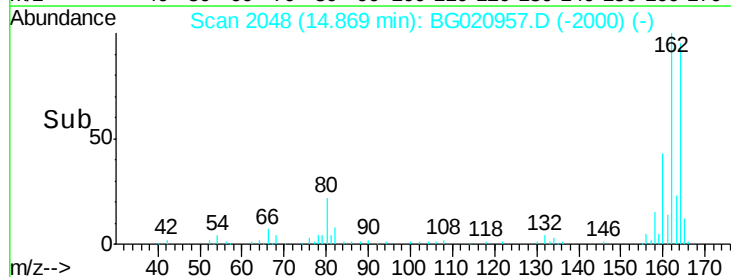
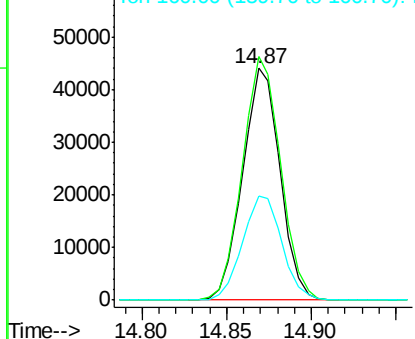


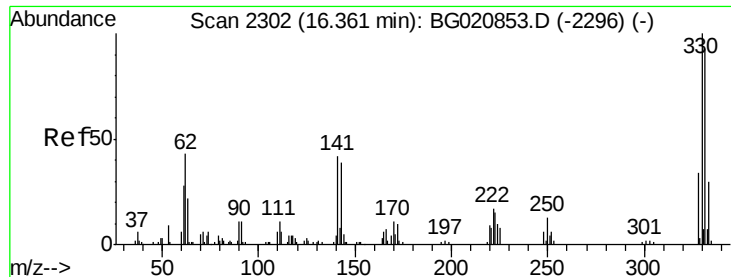
Abundance

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: 112.94 ng

RT: 16.35 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BG020957.D

Acq: 19 Feb 2016 4:59

Instrument :

BNA_G

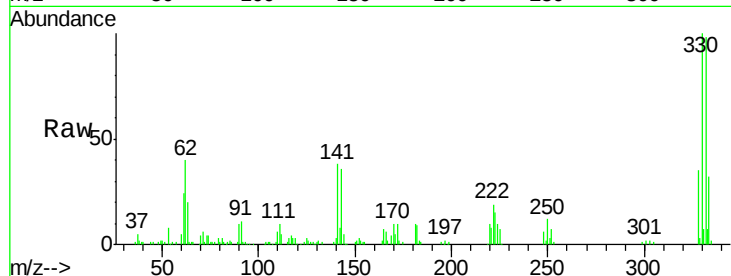
ClientSampleId :

TEC-COMP1

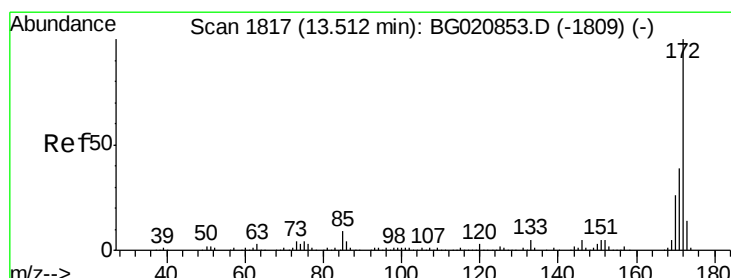
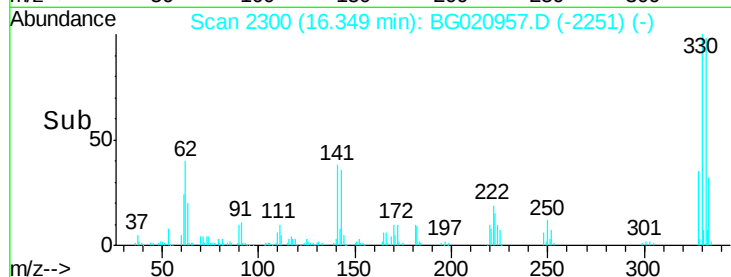
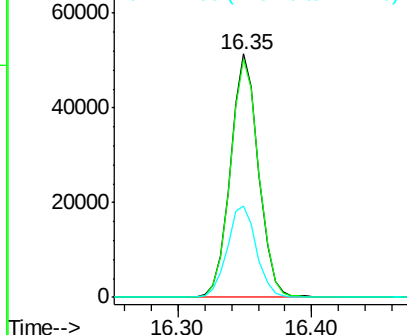
Tot Ion:	330	Resp:	75147
Ion Ratio	Lower	Upper	
330	100		
332	98.8	76.1	114.1
141	39.2	32.0	48.0

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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: 66.03 ng

RT: 13.50 min Scan# 1815

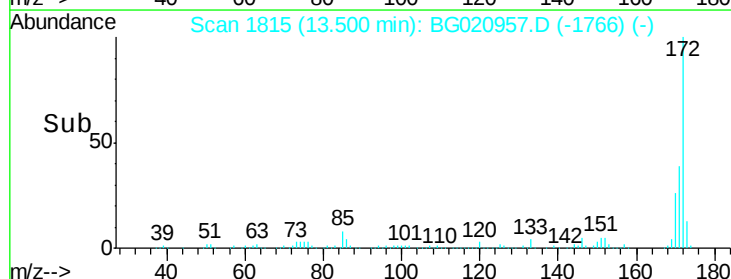
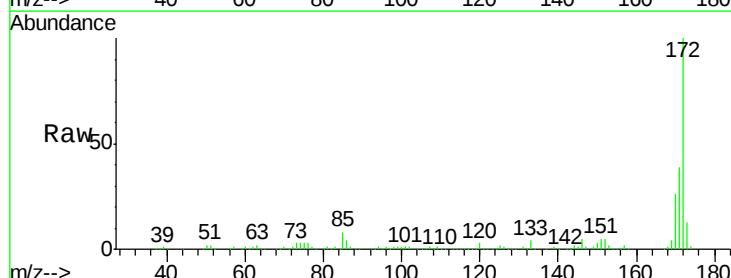
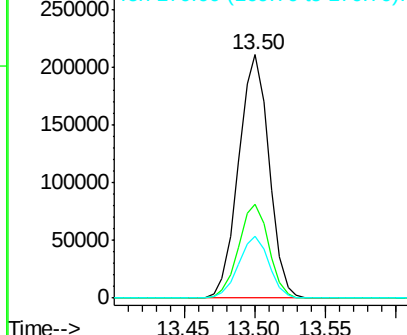
Delta R.T. -0.01 min

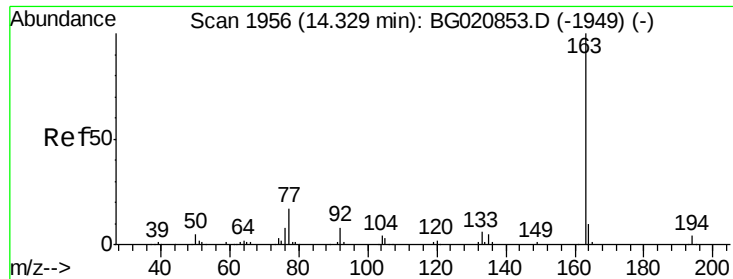
Lab File: BG020957.D

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Tgt Ion:	172	Resp:	318030
Ion Ratio	Lower	Upper	
172	100		
171	38.7	31.2	46.8
170	25.5	20.6	30.8

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





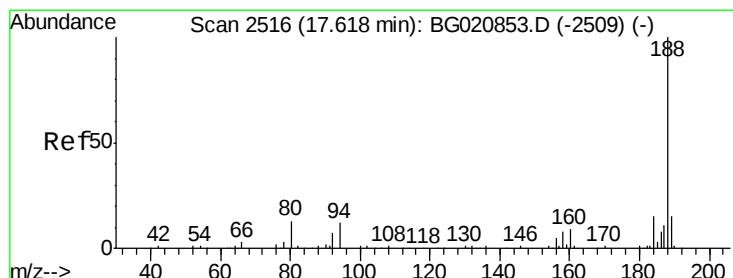
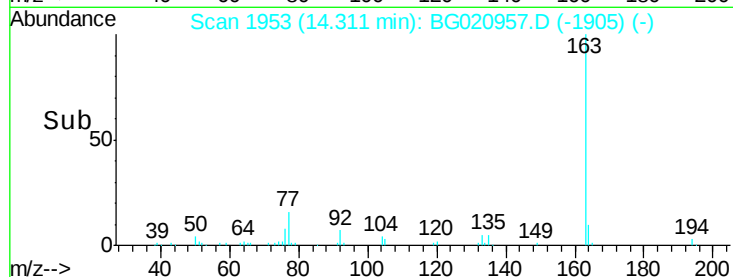
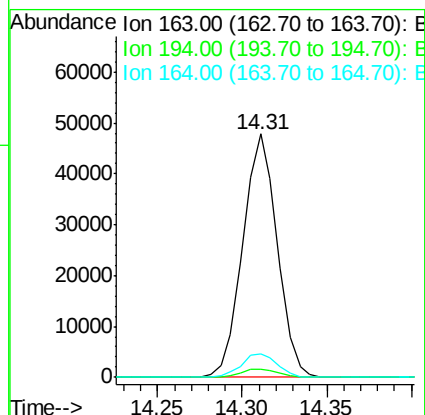
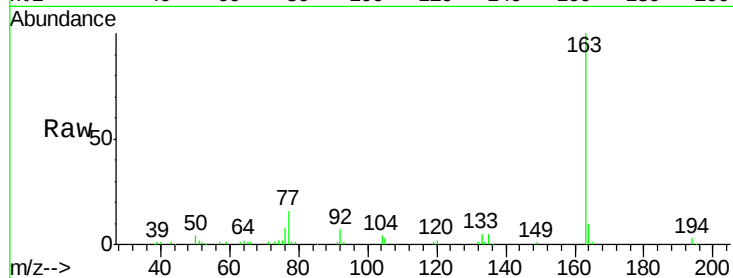
#49
Dimethylphthalate
Concen: 12.79 ng
RT: 14.31 min Scan# 1953
Delta R.T. -0.02 min
Lab File: BG020957.D
Acq: 19 Feb 2016 4:59

Instrument :
BNA_G
ClientSampleId :
TEC-COMP1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	67668		
194	3.5		3.1	4.7
164	9.5		8.3	12.5

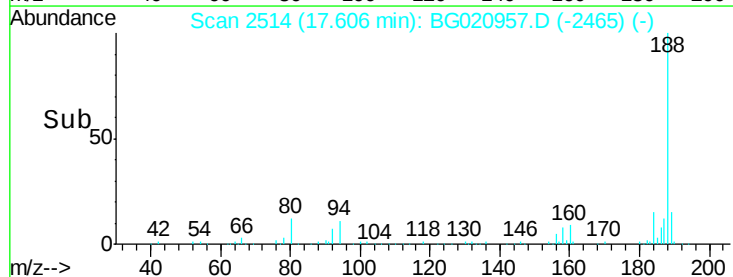
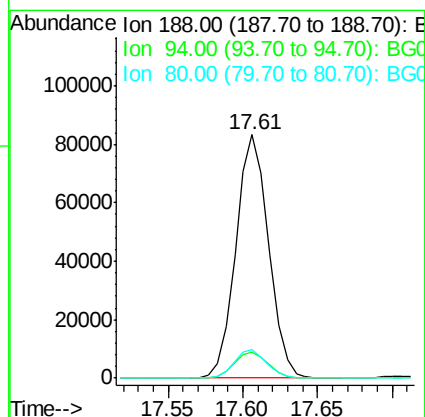
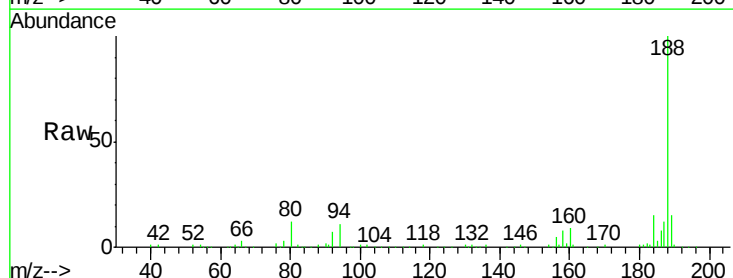
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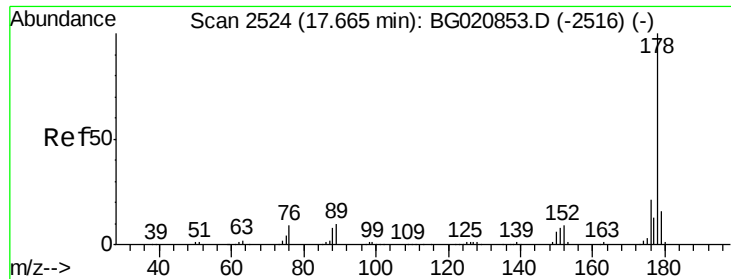
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.61 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BG020957.D
Acq: 19 Feb 2016 4:59

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	126386		
94	10.6		9.4	14.0
80	11.9		10.2	15.4





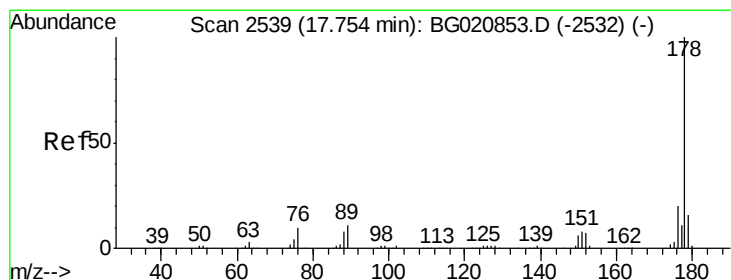
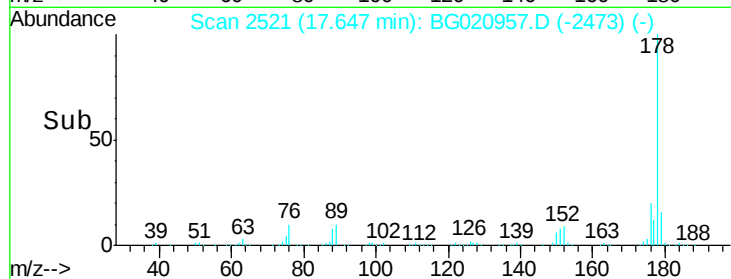
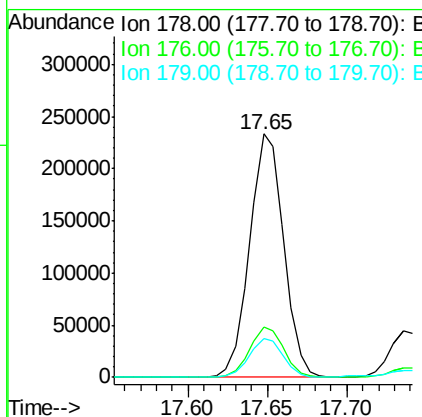
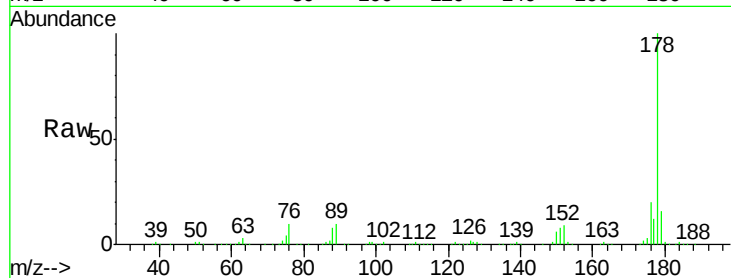
#70
 Phenanthrene
 Concen: 48.41 ng
 RT: 17.65 min Scan# 2521
 Delta R.T. -0.02 min
 Lab File: BG020957.D
 Acq: 19 Feb 2016 4:59

Instrument :
 BNA_G
 ClientSampleId :
 TEC-COMP1

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.8	25.2
179	16.0	12.6	19.0

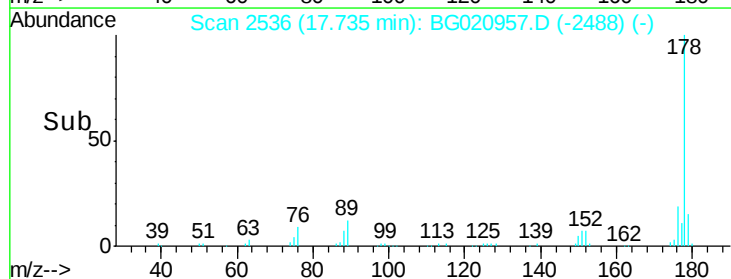
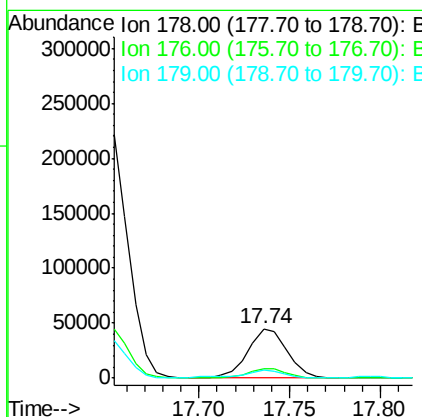
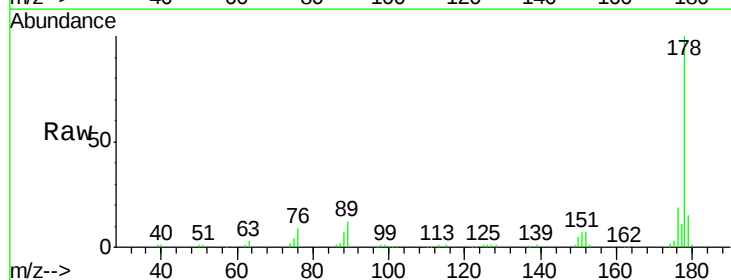
Manual Integrations
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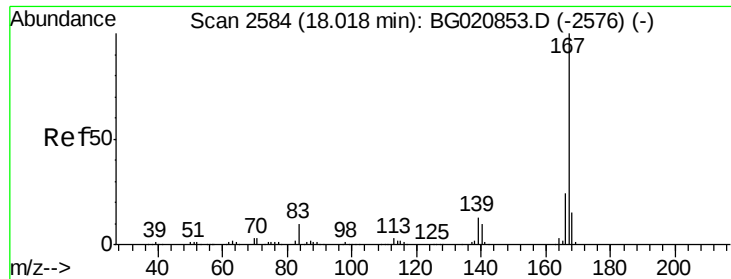
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#71
 Anthracene
 Concen: 9.05 ng
 RT: 17.74 min Scan# 2536
 Delta R.T. -0.02 min
 Lab File: BG020957.D
 Acq: 19 Feb 2016 4:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.4	12.7	19.1





#72

Carbazole

Concen: 2.62 ng

RT: 18.00 min Scan# 2581

Delta R.T. -0.02 min

Lab File: BG020957.D

Acq: 19 Feb 2016 4:59

Instrument :

BNA_G

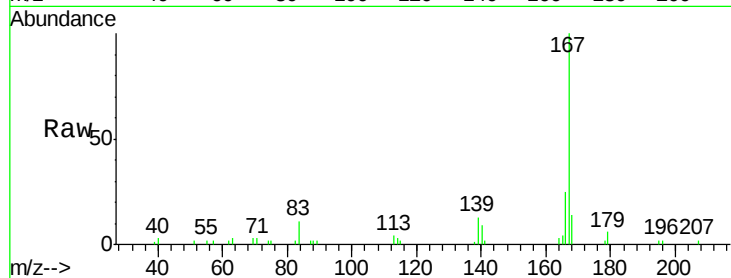
ClientSampleId :

TEC-COMP1

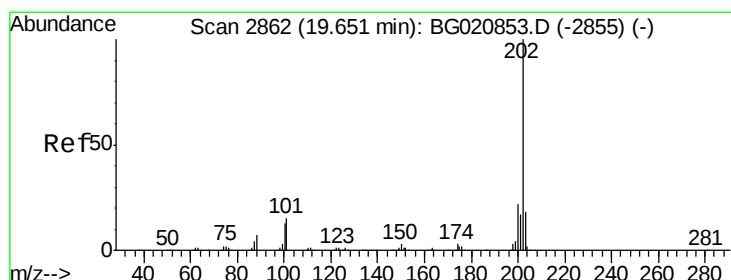
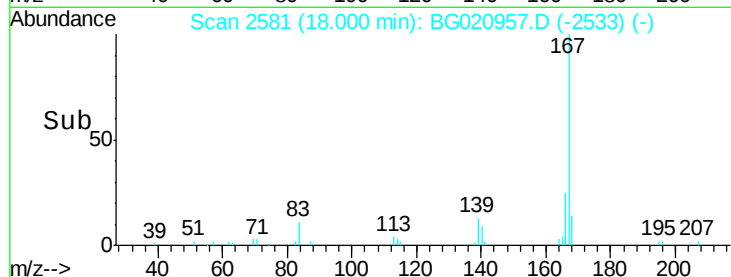
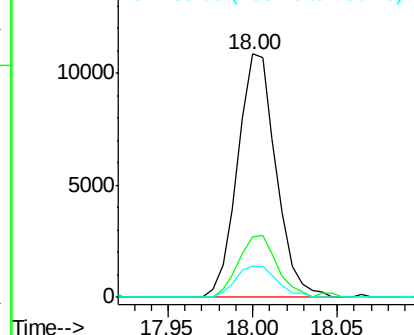
Tot Ion:	167	Resp:	17198
Ion Ratio		Lower	Upper
167	100		
166	25.0	19.3	28.9
139	12.9	10.2	15.4

Manual Integrations
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 68.06 ng

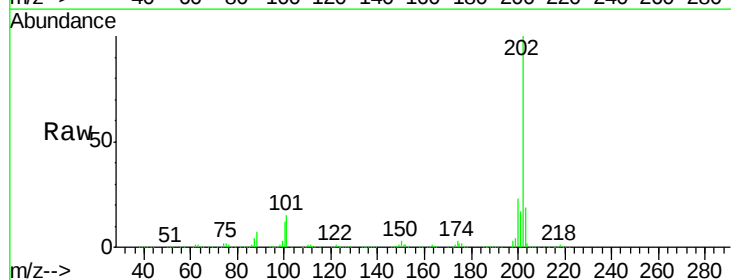
RT: 19.64 min Scan# 2860

Delta R.T. -0.01 min

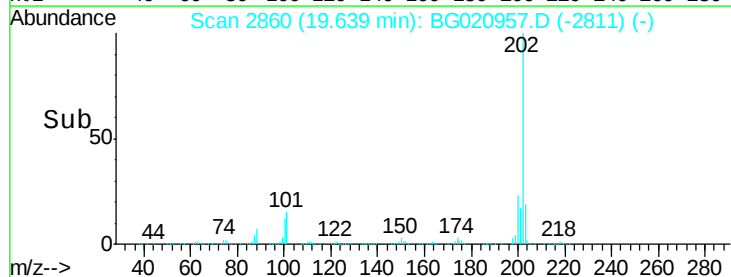
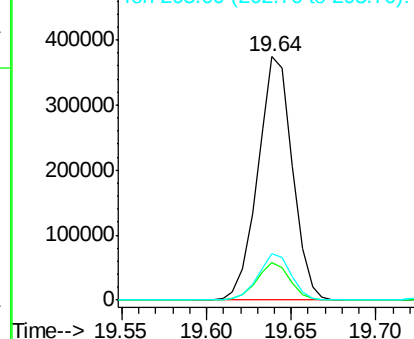
Lab File: BG020957.D

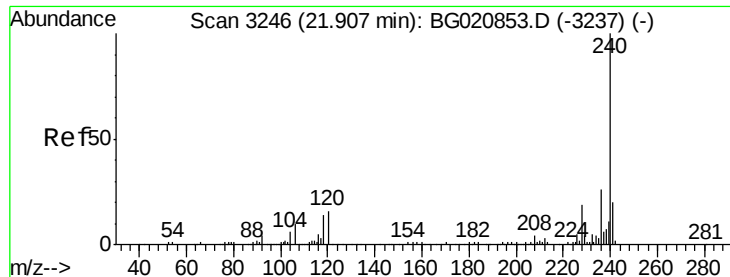
Acq: 19 Feb 2016 4:59

Tgt Ion:	202	Resp:	529072
Ion Ratio		Lower	Upper
202	100		
101	15.3	0.0	35.3
203	18.9	0.0	37.8



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: 21.88 min Scan# 3242

Delta R.T. -0.02 min

Lab File: BG020957.D

Acq: 19 Feb 2016 4:59

Instrument :

BNA_G

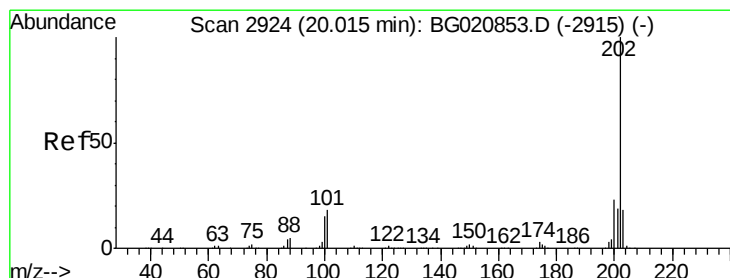
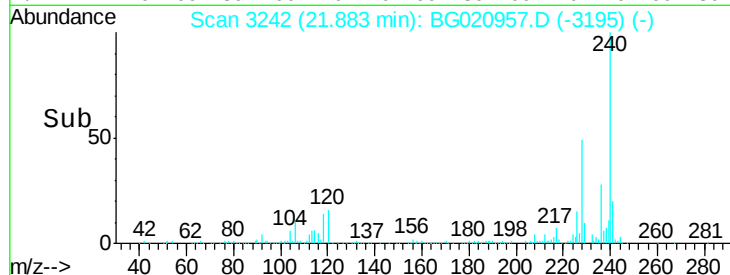
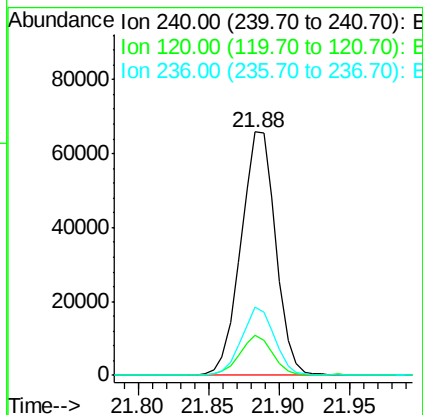
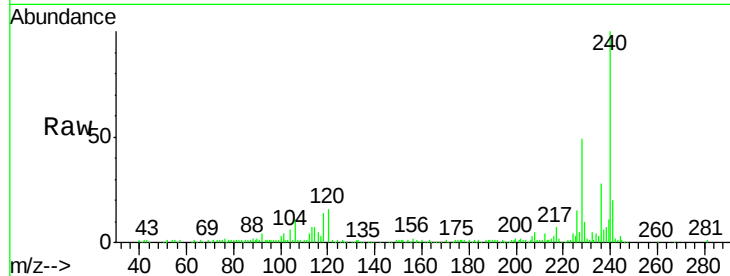
ClientSampleId :

TEC-COMP1

Tot Ion:	240	Resp:	113674
Ion Ratio	Lower	Upper	
240	100		
120	16.4	13.0	19.4
236	27.8	21.0	31.4

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#77

Pyrene

Concen: 57.26 ng

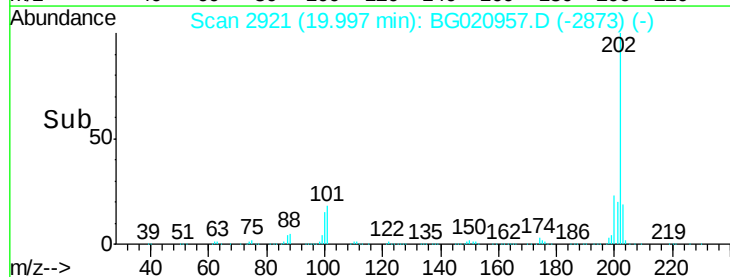
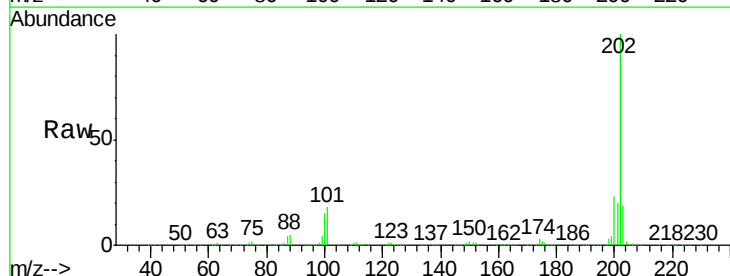
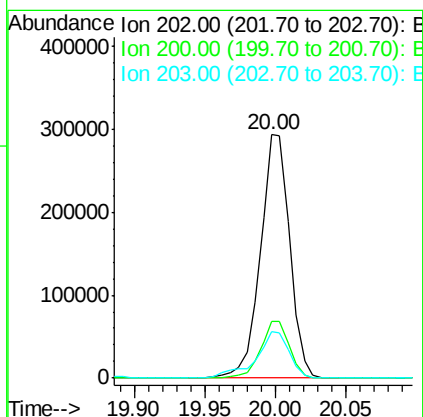
RT: 20.00 min Scan# 2921

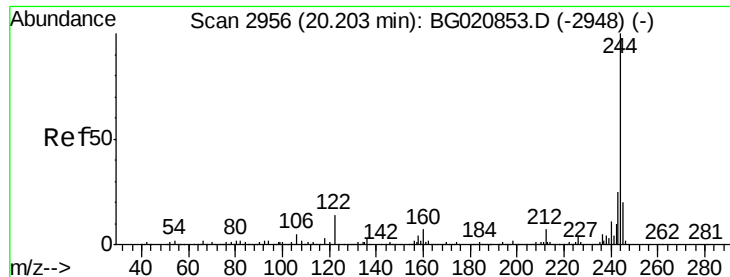
Delta R.T. -0.02 min

Lab File: BG020957.D

Acq: 19 Feb 2016 4:59

Tgt Ion:	202	Resp:	429332
Ion Ratio	Lower	Upper	
202	100		
200	23.1	18.5	27.7
203	19.1	14.3	21.5





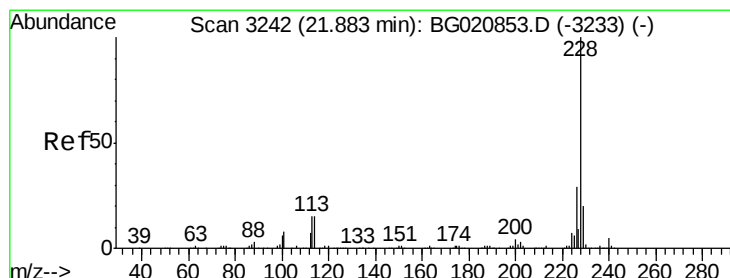
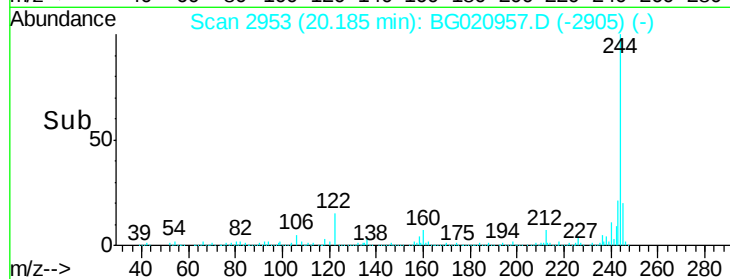
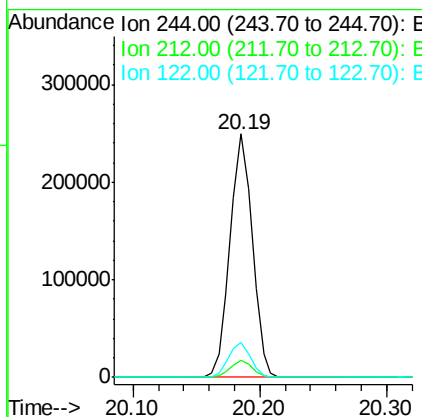
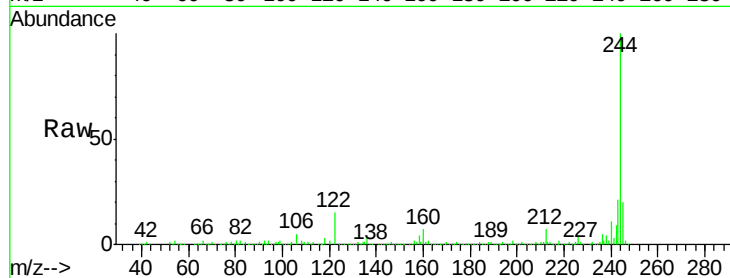
#78
 Terphenyl-d14
 Concen: 62.22 ng
 RT: 20.19 min Scan# 2953
 Delta R.T. -0.02 min
 Lab File: BG020957.D
 Acq: 19 Feb 2016 4:59

Instrument :
 BNA_G
 ClientSampleId :
 TEC-COMP1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	14.5	11.4	17.2

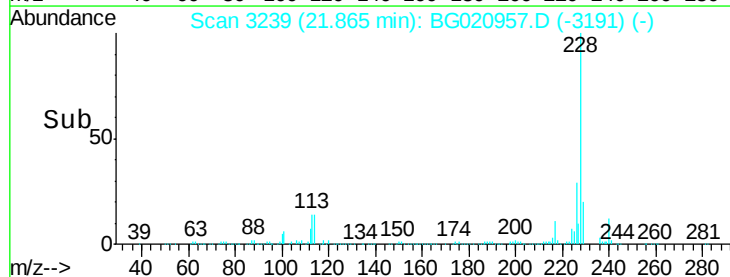
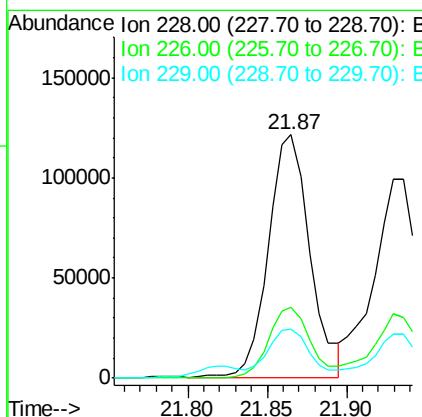
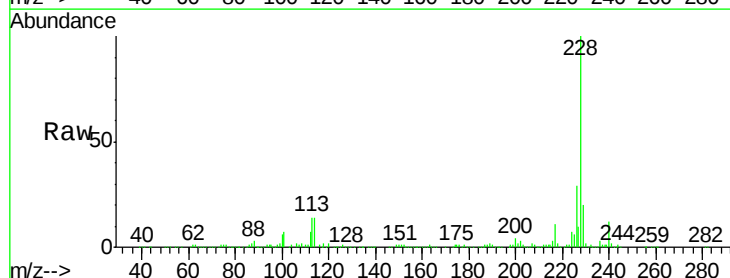
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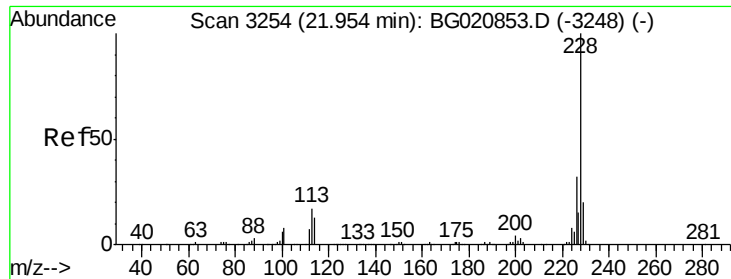
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#80
 Benzo(a)anthracene
 Concen: 32.58 ng
 RT: 21.87 min Scan# 3239
 Delta R.T. -0.02 min
 Lab File: BG020957.D
 Acq: 19 Feb 2016 4:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.1	34.7
229	20.3	16.2	24.2





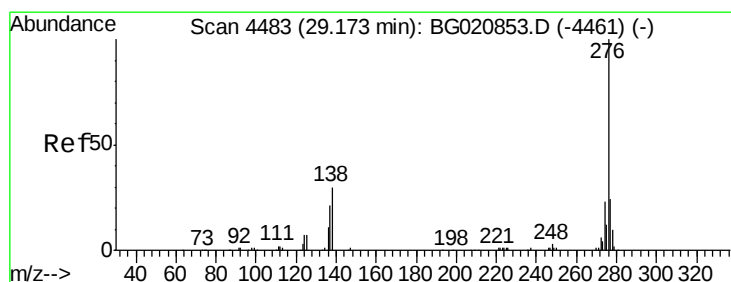
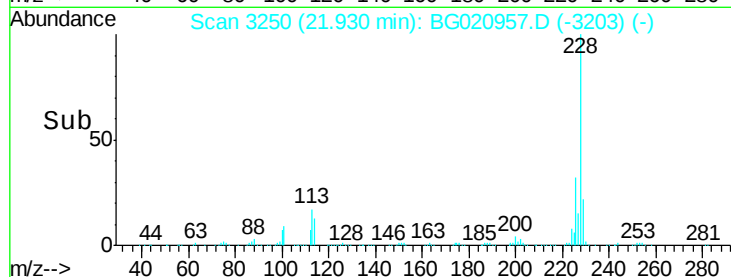
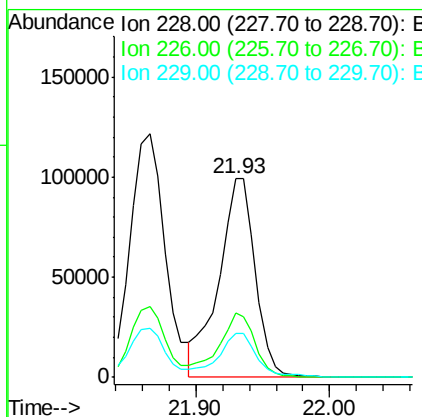
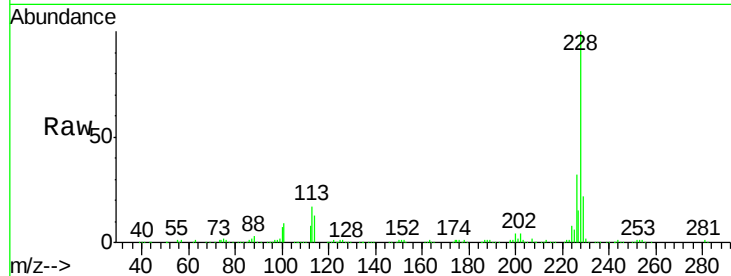
#82
Chrysene
Concen: 29.46 ng
RT: 21.93 min Scan# 3250
Delta R.T. -0.02 min
Lab File: BG020957.D
Acq: 19 Feb 2016 4:59

Instrument :
BNA_G
ClientSampleId :
TEC-COMP1

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	25.3	37.9
229	22.2	16.2	24.2

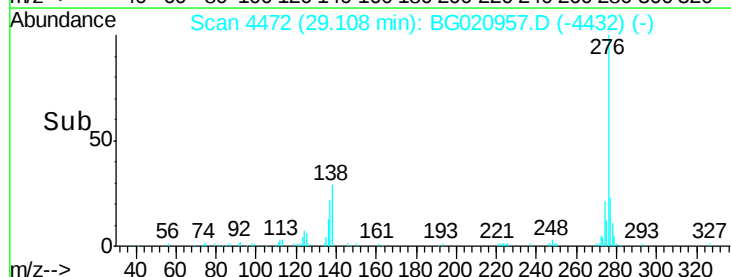
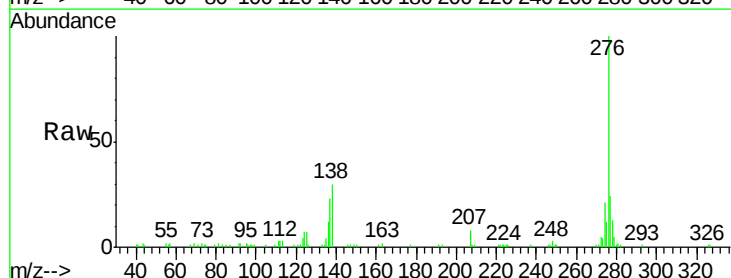
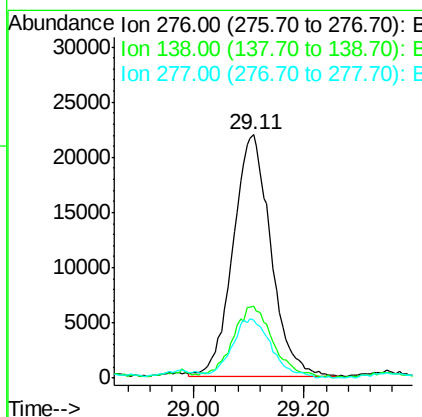
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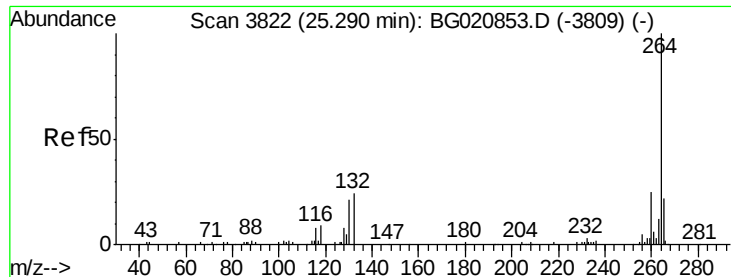
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#85
Indeno(1,2,3-cd)pyrene
Concen: 14.14 ng
RT: 29.11 min Scan# 4472
Delta R.T. -0.07 min
Lab File: BG020957.D
Acq: 19 Feb 2016 4:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.4	20.1	30.1#
277	25.8	20.5	30.7





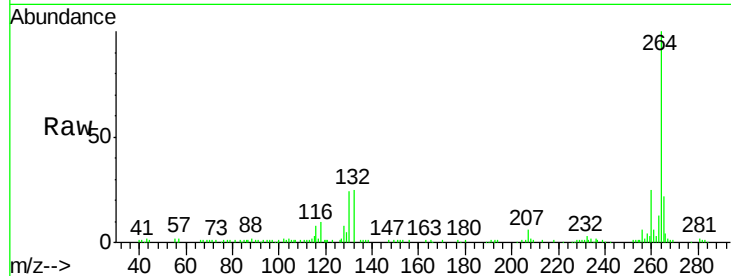
#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.25 min Scan# 3815
Delta R.T. -0.04 min
Lab File: BG020957.D
Acq: 19 Feb 2016 4:59

Instrument :
BNA_G
ClientSampleId :
TEC-COMP1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.9	29.9
265	22.4	18.0	27.0

Manual Integrations
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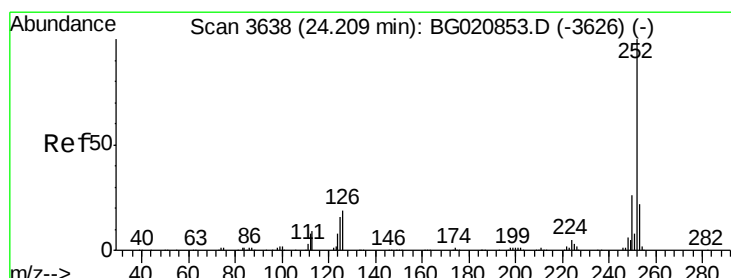
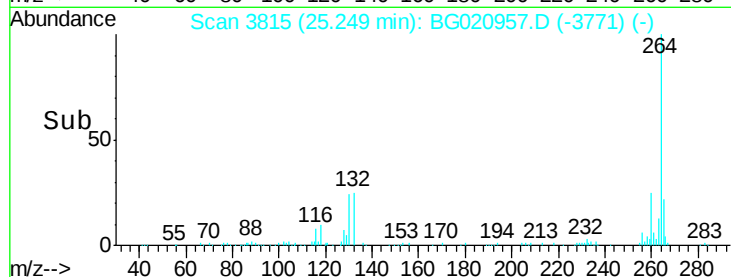
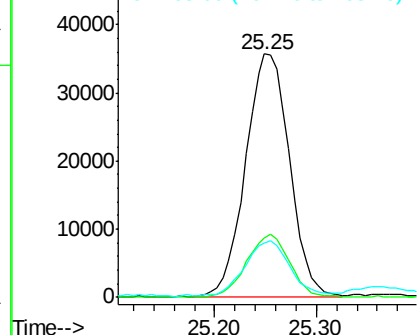


Abundance

Ion 264.00 (263.70 to 264.70): E

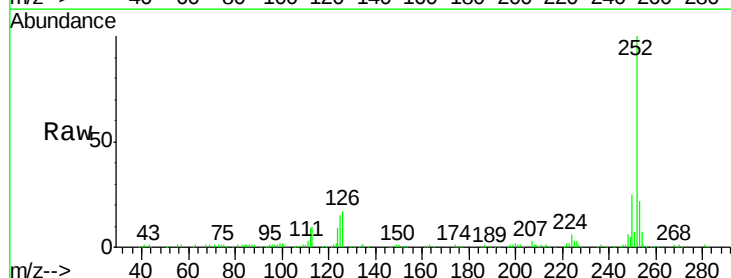
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 34.70 ng
RT: 24.18 min Scan# 3633
Delta R.T. -0.03 min
Lab File: BG020957.D
Acq: 19 Feb 2016 4:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	15.2	12.5	18.7

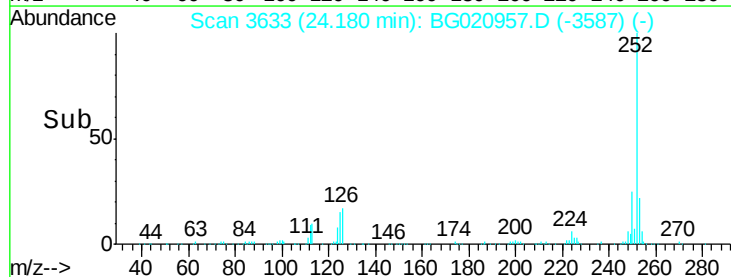
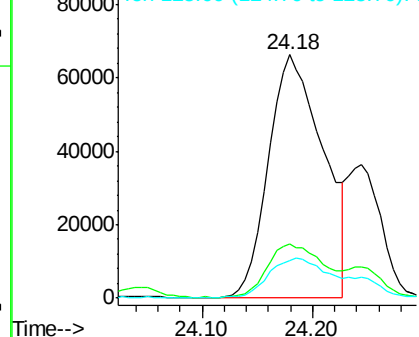


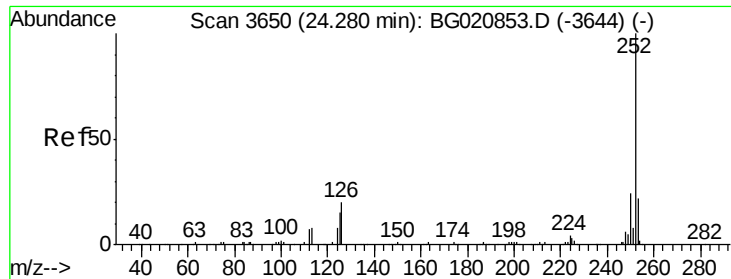
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





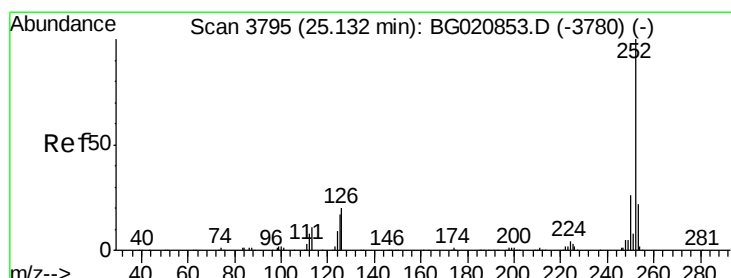
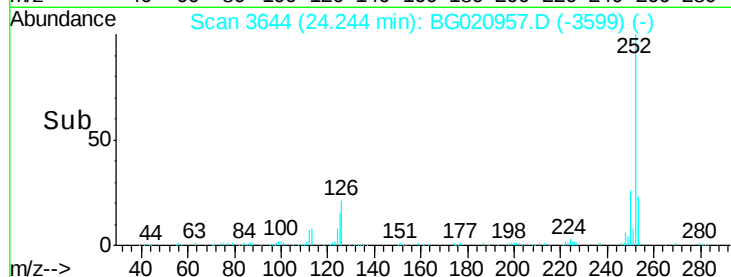
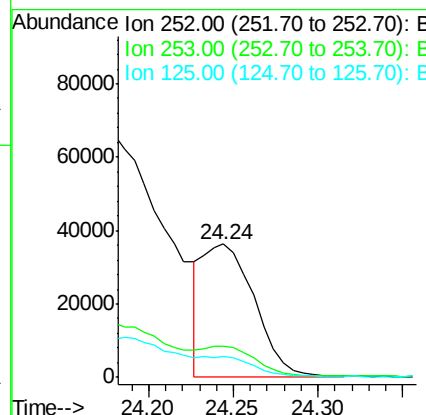
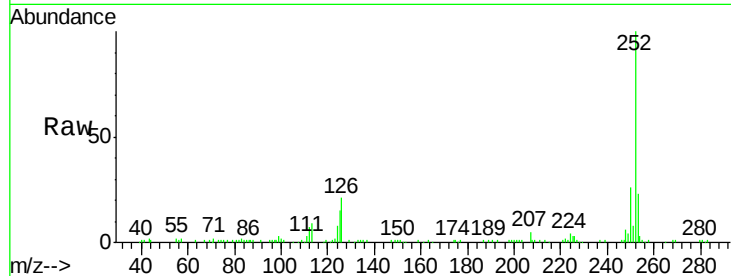
#88
Benzo(k)fluoranthene
Concen: 11.98 ng m
RT: 24.24 min Scan# 3644
Delta R.T. -0.04 min
Lab File: BG020957.D
Acq: 19 Feb 2016 4:59

Instrument :
BNA_G
ClientSampleId :
TEC-COMP1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	15.5	12.2	18.4

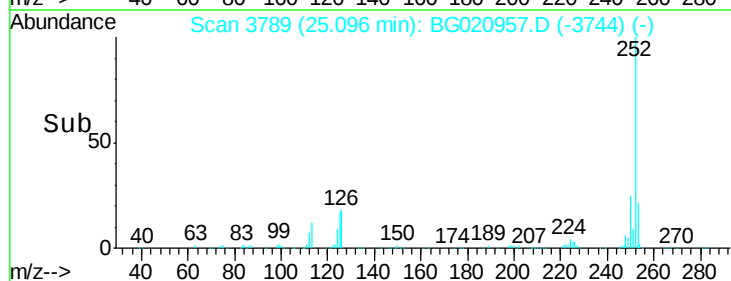
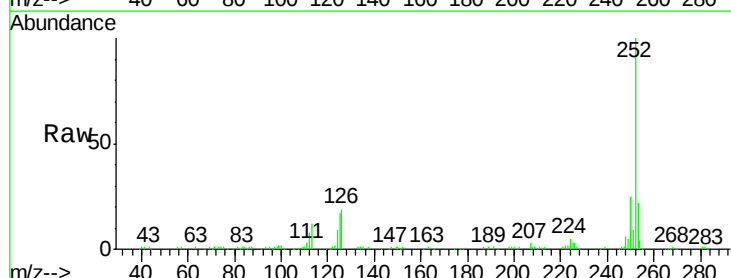
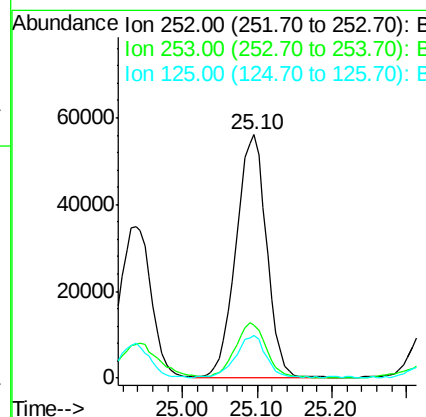
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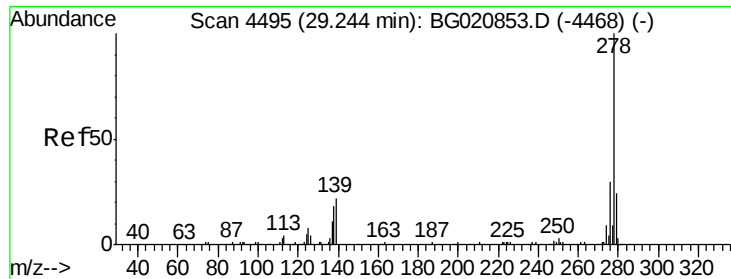
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#89
Benzo(a)pyrene
Concen: 25.18 ng
RT: 25.10 min Scan# 3789
Delta R.T. -0.04 min
Lab File: BG020957.D
Acq: 19 Feb 2016 4:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	17.4	13.6	20.4





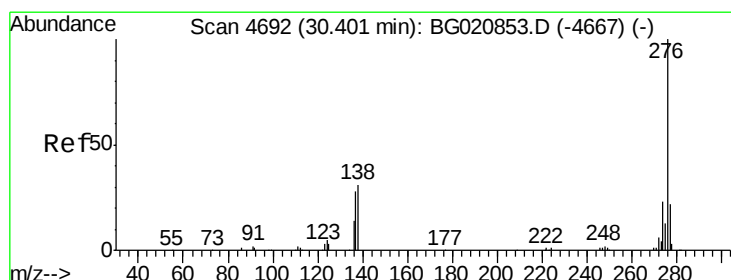
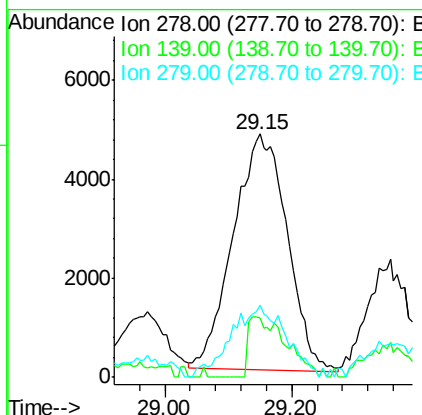
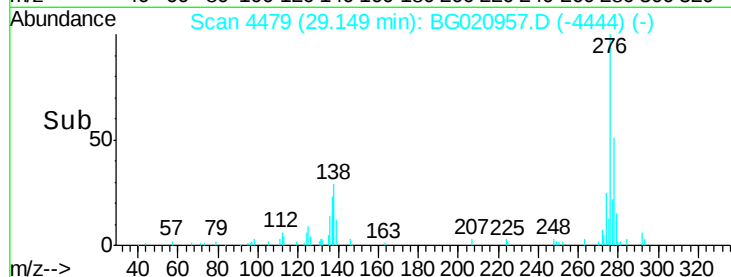
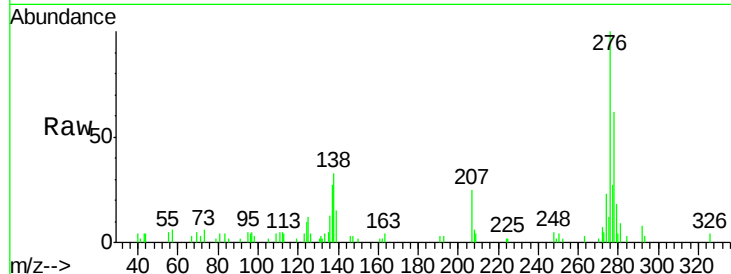
#90
Dibenzo(a,h)anthracene
Concen: 4.63 ng
RT: 29.15 min Scan# 4479
Delta R.T. -0.09 min
Lab File: BG020957.D
Acq: 19 Feb 2016 4:59

Instrument :
BNA_G
ClientSampleId :
TEC-COMP1

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.1	17.3	25.9
279	29.4	19.1	28.7#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 15.31 ng
RT: 30.31 min Scan# 4677
Delta R.T. -0.09 min
Lab File: BG020957.D
Acq: 19 Feb 2016 4:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.6	26.4
138	31.6	25.2	37.8

