

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
 Data File : BG022432.D
 Acq On : 18 Jun 2016 20:38
 Operator : UM/SJ
 Sample : H3471-04
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STA-1020-(0-4)

Manual Integrations
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Quant Time: Jun 20 03:19:30 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 17:40:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	28039	20.00	ng	-0.05
21) Naphthalene-d8	10.86	136	140087	20.00	ng	-0.04
38) Acenaphthene-d10	14.68	164	87977	20.00	ng	-0.04
63) Phenanthrene-d10	17.43	188	174264	20.00	ng	-0.04
75) Chrysene-d12	21.69	240	158292	20.00	ng	-0.05
86) Perylene-d12	24.94	264	144553	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	246326	169.86	ng	-0.03
7) Phenol-d6	7.23	99	374971	164.45	ng	-0.02
23) Nitrobenzene-d5	9.22	82	207987	103.51	ng	-0.04
41) 2,4,6-Tribromophenol	16.18	330	113219	113.89	ng	-0.04
44) 2-Fluorobiphenyl	13.30	172	499939	86.60	ng	-0.04
78) Terphenyl-d14	20.02	244	502054	75.30	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	10.91	128	17307m	2.48	ng	
48) Acenaphthylene	14.41	152	50880	5.71	ng	96
49) Dimethylphthalate	14.13	163	108243	14.84	ng	99
70) Phenanthrene	17.47	178	101940	10.77	ng	98
71) Anthracene	17.56	178	27732	2.95	ng	94
72) Carbazole	17.84	167	20504	2.31	ng	# 95
74) Fluoranthene	19.47	202	566242	52.04	ng	95
77) Pyrene	19.84	202	561724	57.08	ng	98
80) Benzo(a)anthracene	21.67	228	319003	35.94	ng	98
82) Chrysene	21.74	228	325532	37.69	ng	96
85) Indeno(1,2,3-cd)pyrene	28.66	276	194010	20.02	ng	# 90
87) Benzo(b)fluoranthene	23.91	252	512698	60.81	ng	# 92
88) Benzo(k)fluoranthene	23.96	252	146164m	17.61	ng	
89) Benzo(a)pyrene	24.78	252	248735	30.86	ng	# 92
90) Dibenzo(a,h)anthracene	28.67	278	50037	6.59	ng	# 88
91) Benzo(g,h,i)perylene	29.83	276	183271	23.20	ng	# 90

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

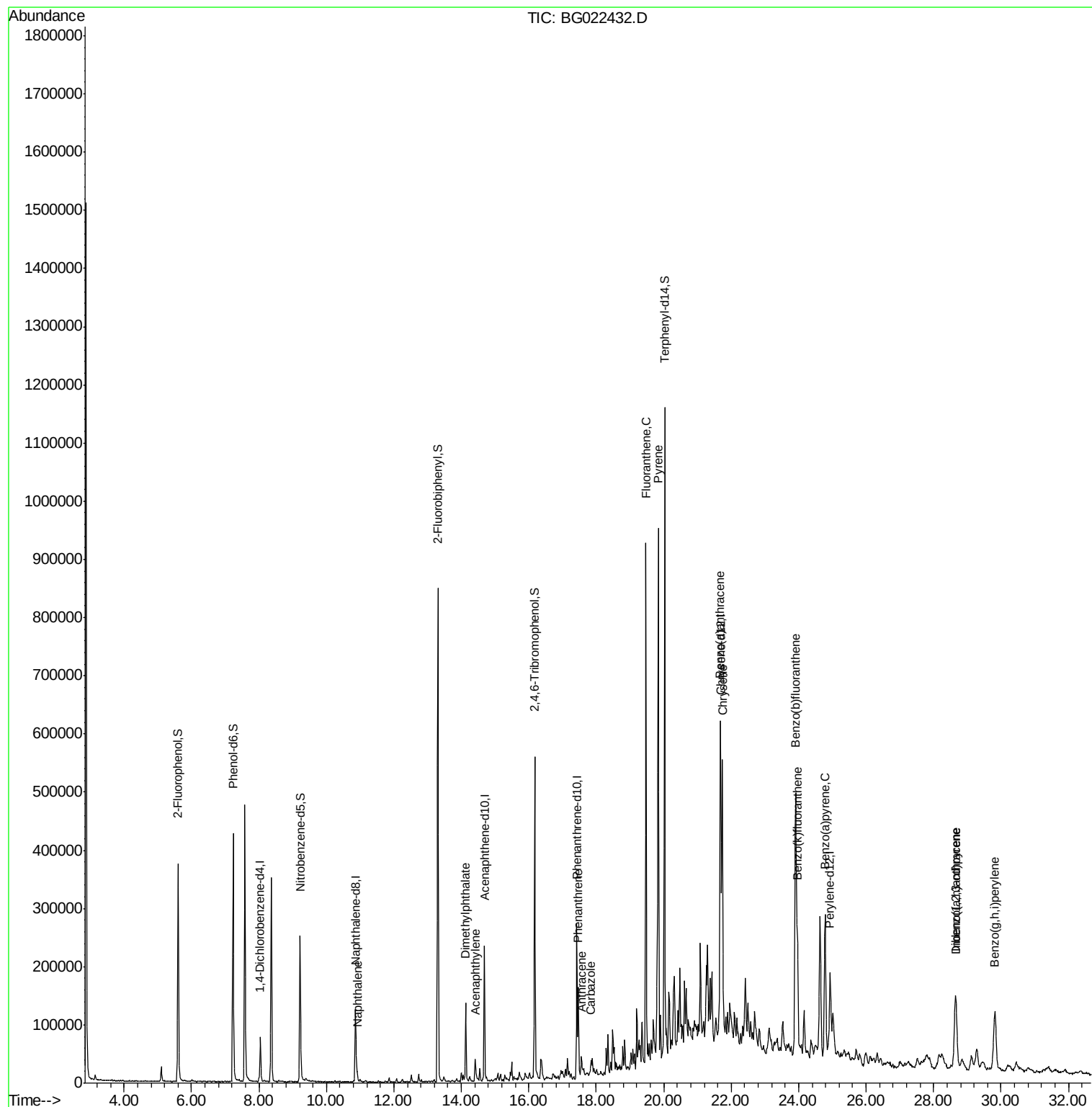
Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
Data File : BG022432.D
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ALS Vial : 41 Sample Multiplier: 1

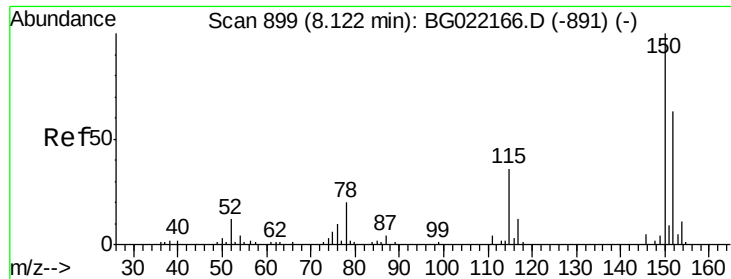
Instrument :
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ClientSampleId :
STA-1020-(0-4)

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Quant Time: Jun 20 03:19:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

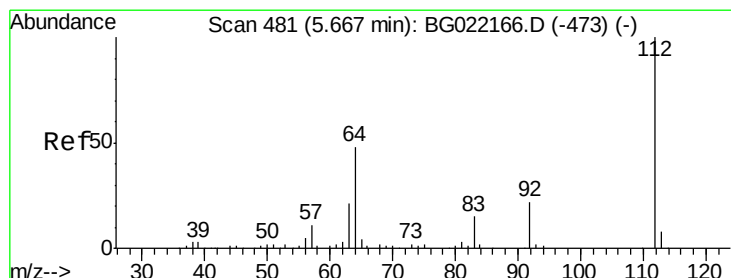
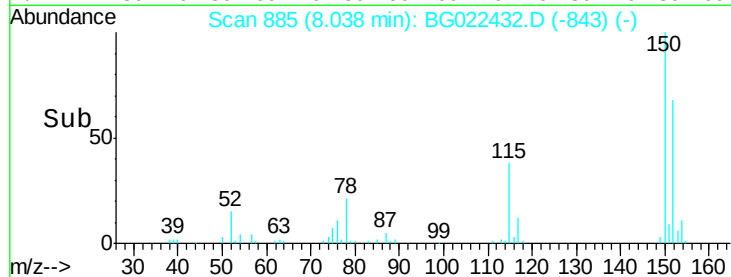
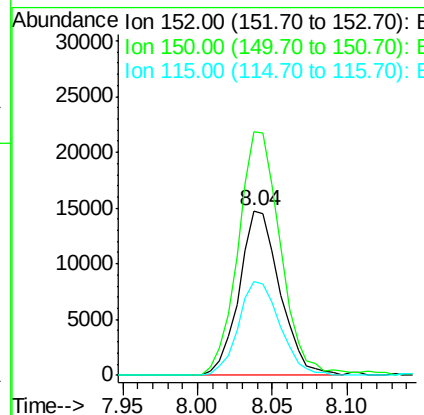
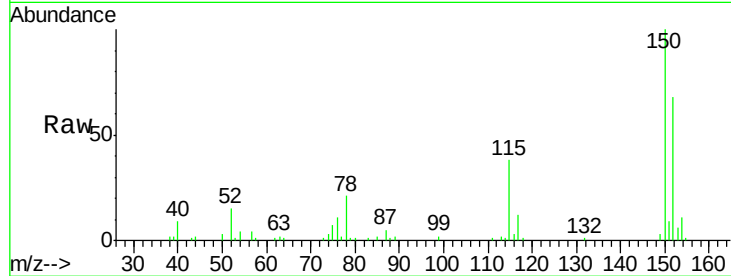
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 885
Delta R.T. -0.05 min
Lab File: BG022432.D
Acq: 18 Jun 2016 20:38

Instrument :
BNA_G
ClientSampleId :
STA-1020-(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.7	130.1	195.1
115	56.6	62.2	93.2

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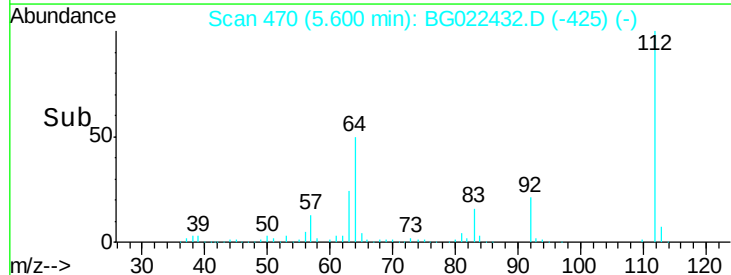
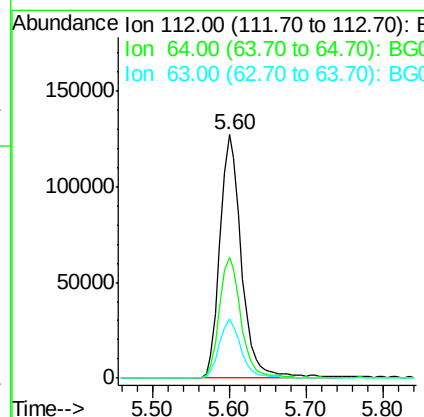
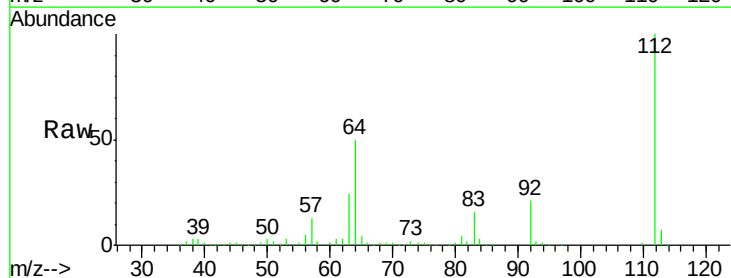
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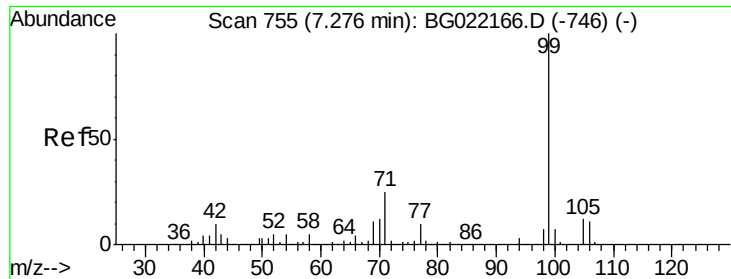


#5

2-Fluorophenol
Concen: 169.86 ng
RT: 5.60 min Scan# 470
Delta R.T. -0.03 min
Lab File: BG022432.D
Acq: 18 Jun 2016 20:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.5	51.1	76.7
63	24.4	24.6	37.0





#7

Phenol-d6

Concen: 164.45 ng

RT: 7.23 min Scan# 748

Delta R.T. -0.02 min

Lab File: BG022432.D

Acq: 18 Jun 2016 20:38

Instrument :

BNA_G

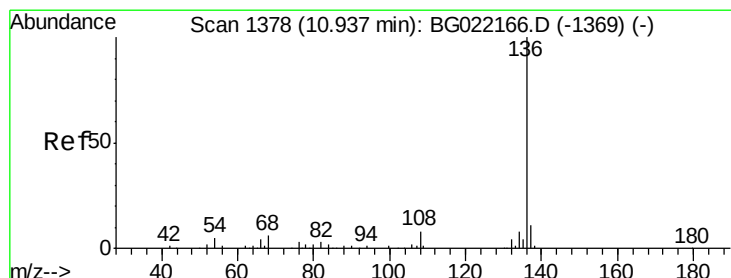
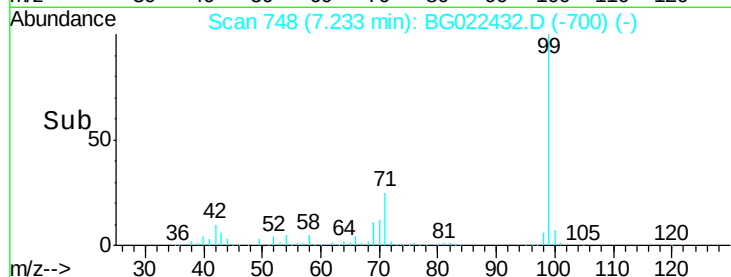
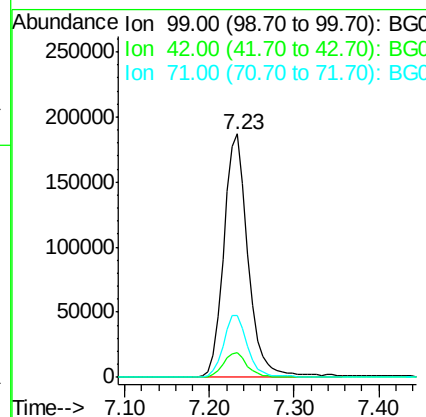
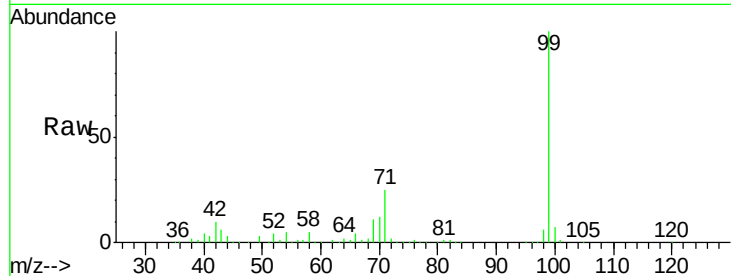
ClientSampleId :

STA-1020-(0-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		374971		
42	10.2	16.4	24.6#		
71	25.3	25.0	37.4		

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#21

Naphthalene-d8

Concen: 20.00 ng

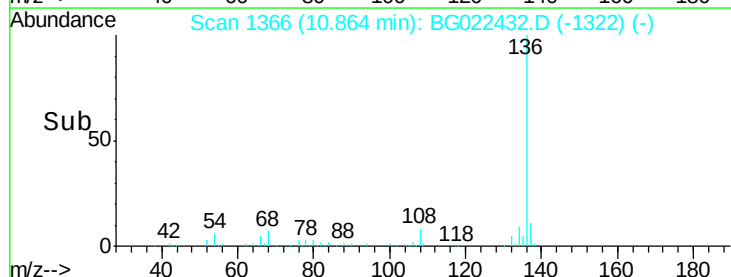
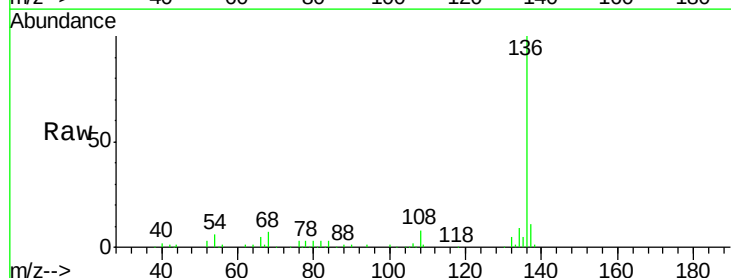
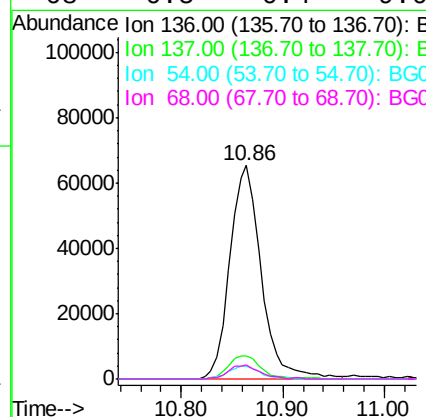
RT: 10.86 min Scan# 1366

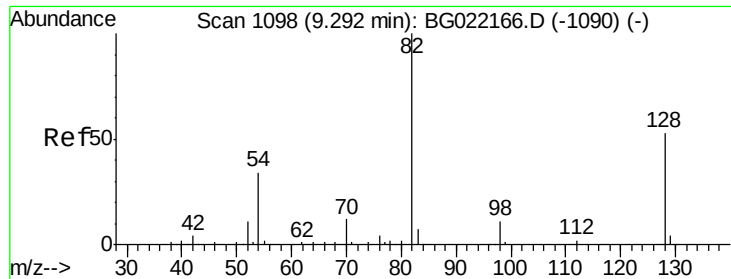
Delta R.T. -0.04 min

Lab File: BG022432.D

Acq: 18 Jun 2016 20:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		140087		
137	10.9	9.0	13.4		
54	6.3	9.6	14.4#		
68	6.5	6.4	9.6		





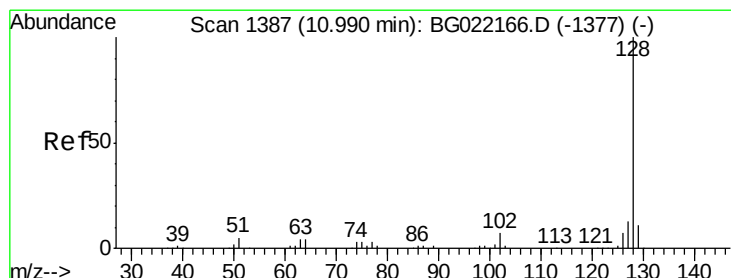
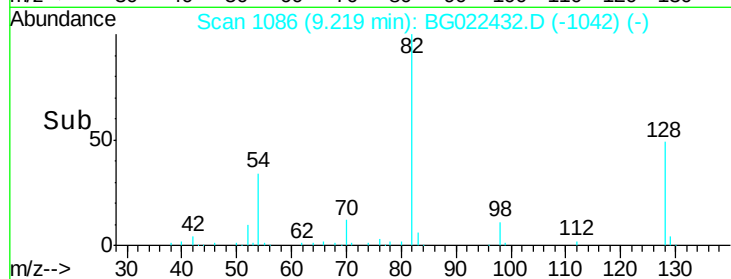
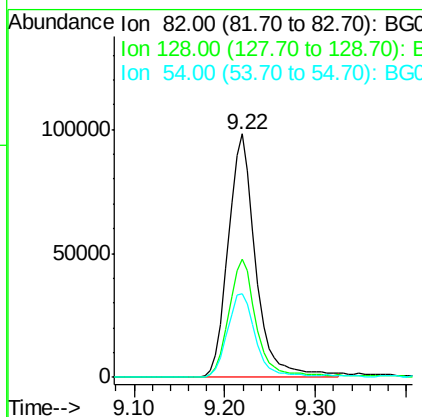
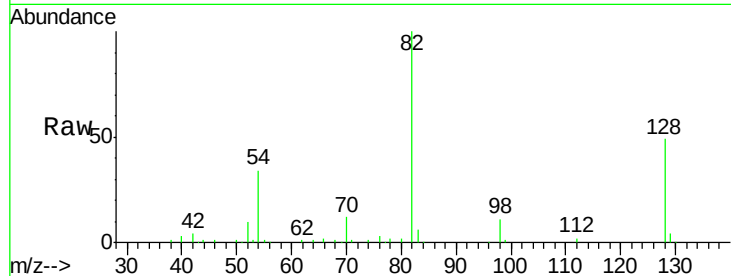
#23
 Nitrobenzene-d5
 Concen: 103.51 ng
 RT: 9.22 min Scan# 1086
 Delta R.T. -0.04 min
 Lab File: BG022432.D
 Acq: 18 Jun 2016 20:38

Instrument :
 BNA_G
 ClientSampleId :
 STA-1020-(0-4)

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.8	33.4	50.0
54	34.4	46.1	69.1

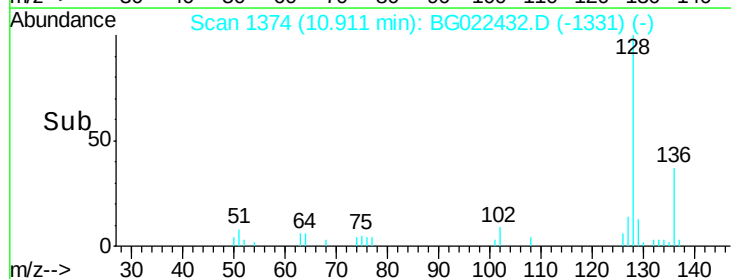
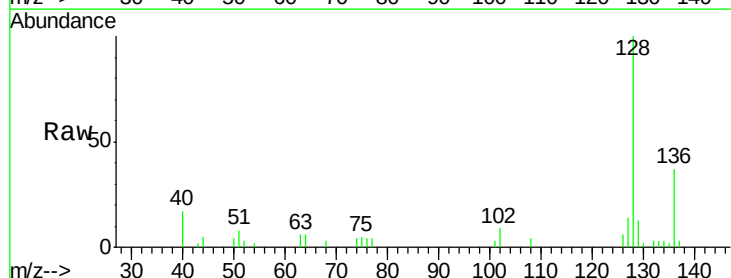
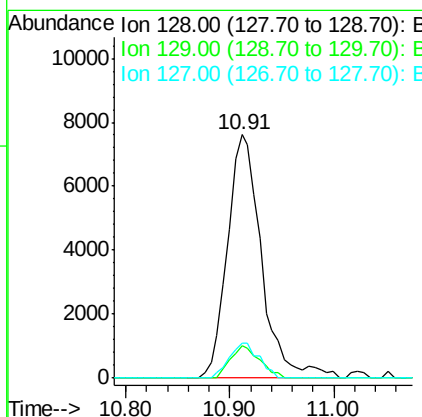
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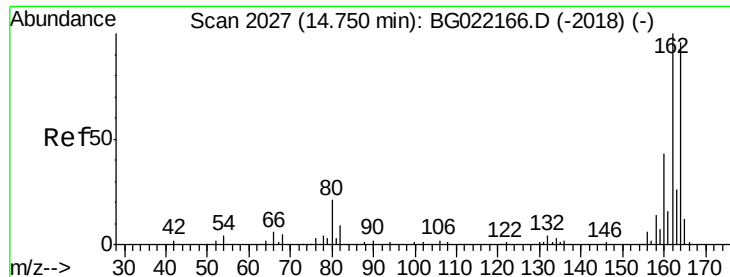
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#31
 Naphthalene
 Concen: 2.48 ng m
 RT: 10.91 min Scan# 1374
 Delta R.T. -0.05 min
 Lab File: BG022432.D
 Acq: 18 Jun 2016 20:38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.3	7.0	10.6
127	14.5	10.1	15.1





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 2016

Delta R.T. -0.04 min

Lab File: BG022432.D

Acq: 18 Jun 2016 20:38

Instrument :

BNA_G

ClientSampleId :

STA-1020-(0-4)

Tot Ion:164 Resp: 87977

Ion Ratio Lower Upper

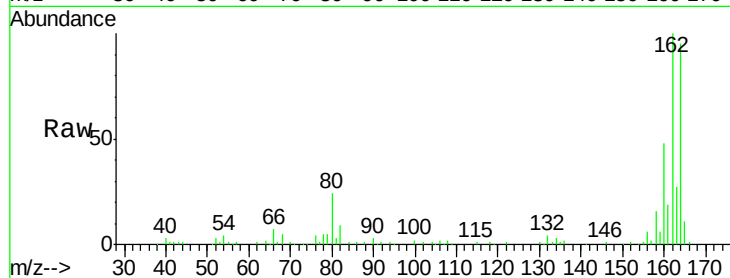
164 100

162 105.4 78.0 117.0

160 51.0 32.9 49.3#

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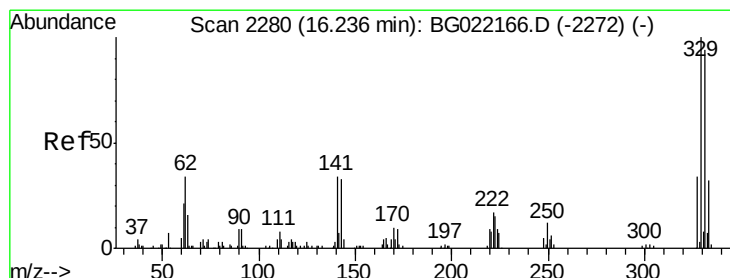
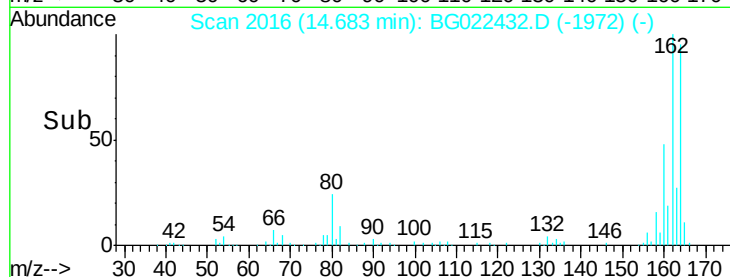
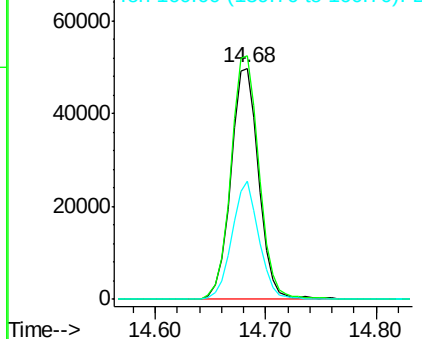
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 113.89 ng

RT: 16.18 min Scan# 2270

Delta R.T. -0.04 min

Lab File: BG022432.D

Acq: 18 Jun 2016 20:38

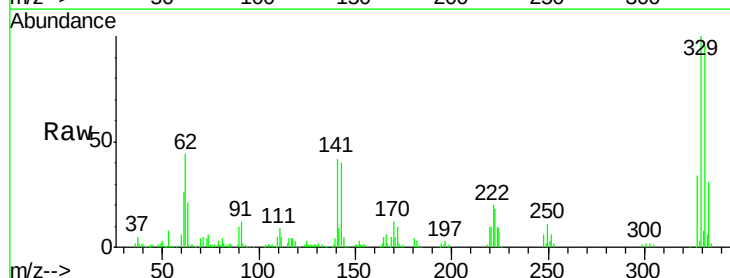
Tgt Ion:330 Resp: 113219

Ion Ratio Lower Upper

330 100

332 97.0 78.0 117.0

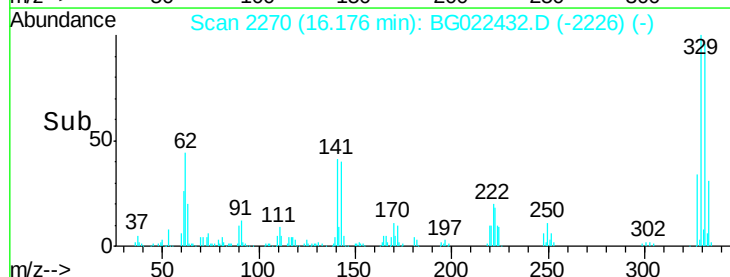
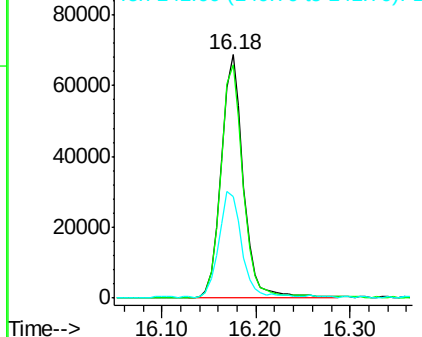
141 45.6 33.8 50.8

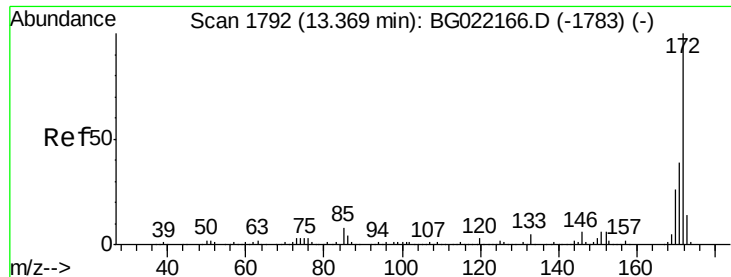


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





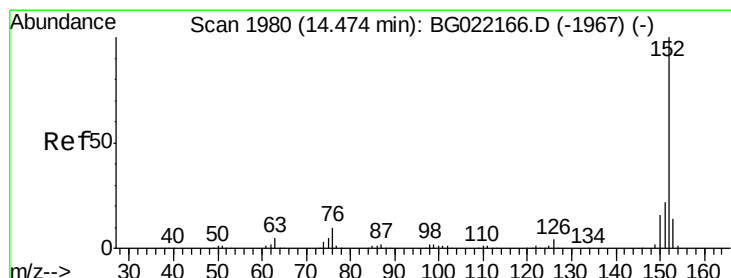
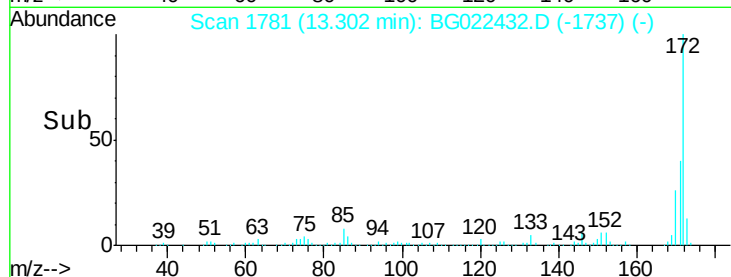
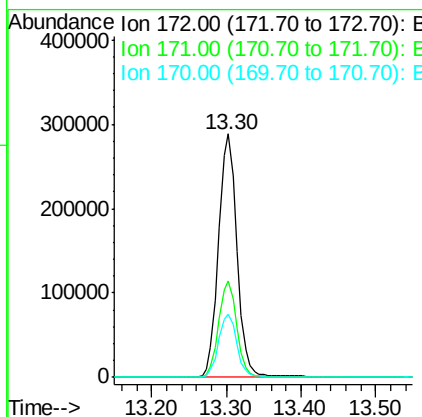
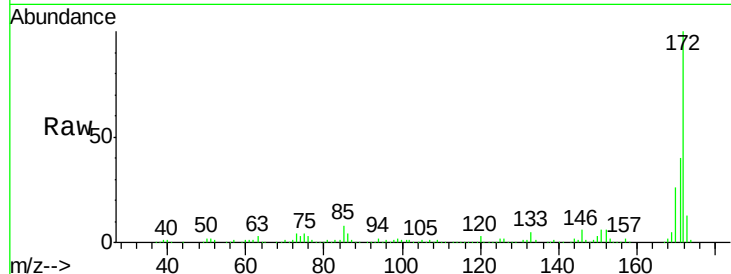
#44
 2-Fluorobiphenyl
 Concen: 86.60 ng
 RT: 13.30 min Scan# 1781
 Delta R.T. -0.04 min
 Lab File: BG022432.D
 Acq: 18 Jun 2016 20:38

Instrument :
 BNA_G
 ClientSampleId :
 STA-1020-(0-4)

Tot Ion:	172	Resp:	499939
Ion Ratio	Lower	Upper	
172	100		
171	39.6	27.8	41.6
170	26.0	19.6	29.4

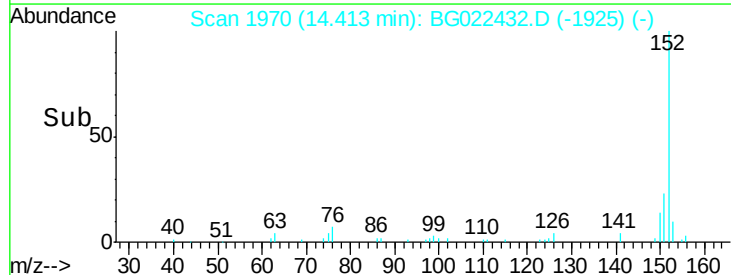
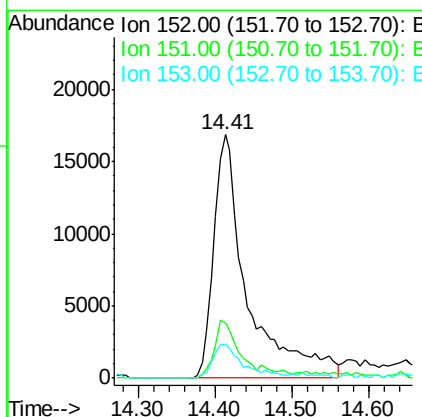
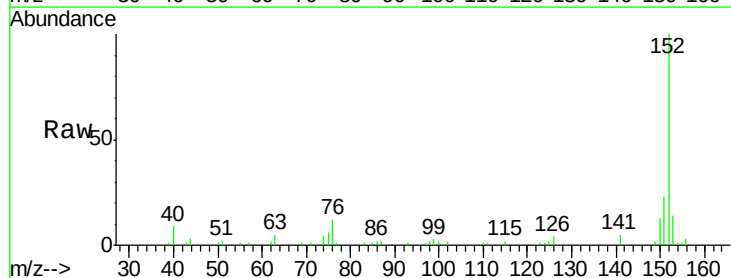
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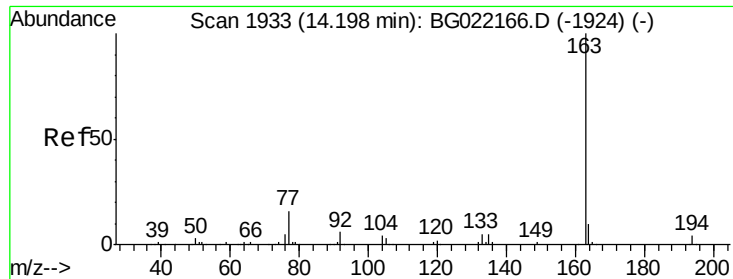
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#48
 Acenaphthylene
 Concen: 5.71 ng
 RT: 14.41 min Scan# 1970
 Delta R.T. -0.03 min
 Lab File: BG022432.D
 Acq: 18 Jun 2016 20:38

Tgt Ion:	152	Resp:	50880
Ion Ratio	Lower	Upper	
152	100		
151	22.8	16.6	24.8
153	13.8	10.2	15.2





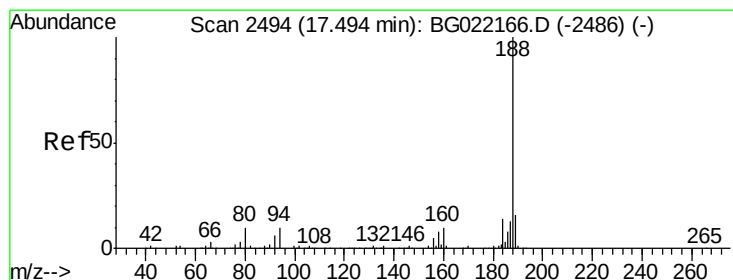
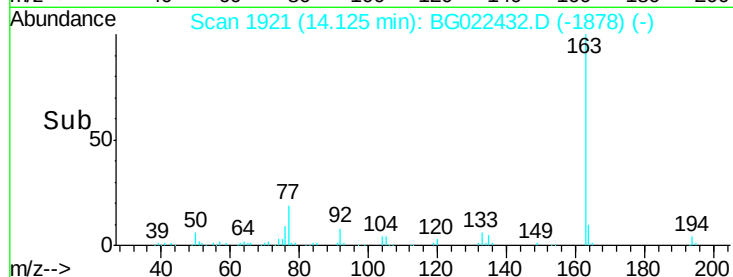
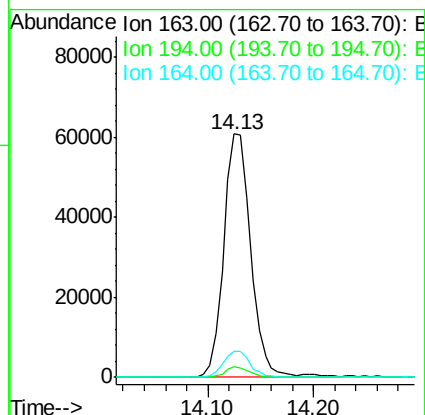
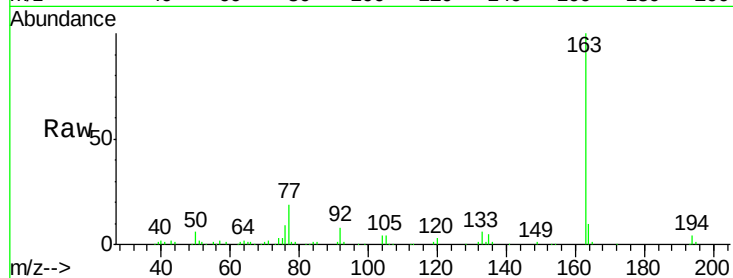
#49
Dimethylphthalate
Concen: 14.84 ng
RT: 14.13 min Scan# 1921
Delta R.T. -0.05 min
Lab File: BG022432.D
Acq: 18 Jun 2016 20:38

Instrument :
BNA_G
ClientSampleId :
STA-1020-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	108243		
194	4.4	3.0	4.6	
164	10.5	8.1	12.1	

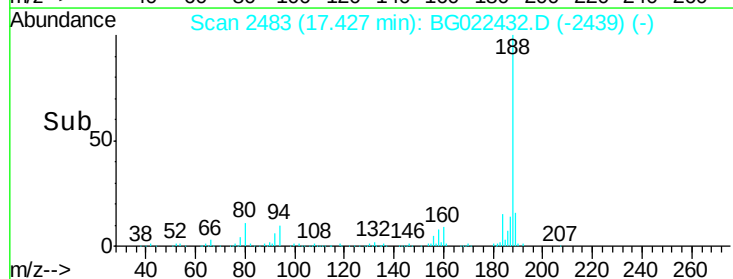
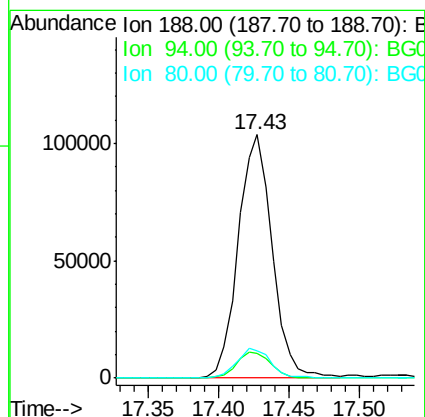
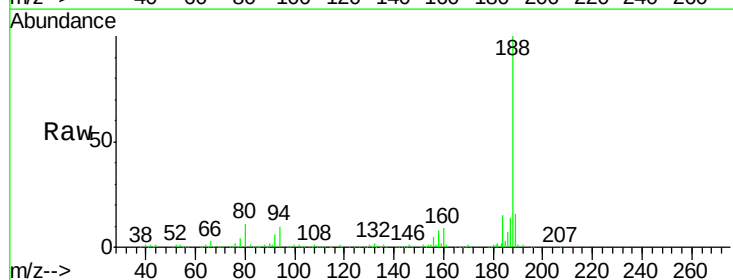
Manual Integrations
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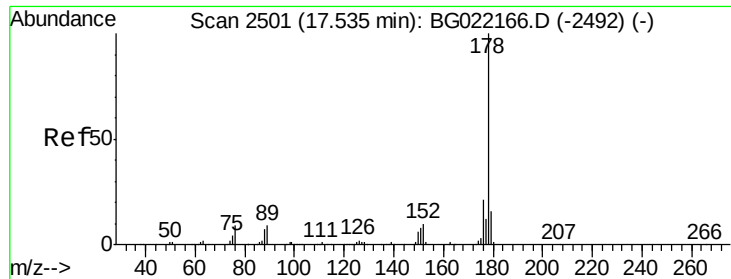
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2483
Delta R.T. -0.04 min
Lab File: BG022432.D
Acq: 18 Jun 2016 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	174264		
94	10.4	7.5	11.3	
80	11.2	8.6	13.0	





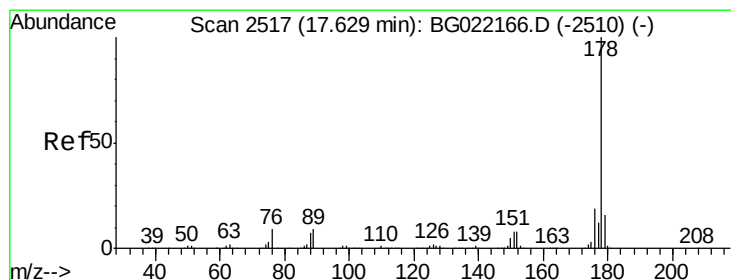
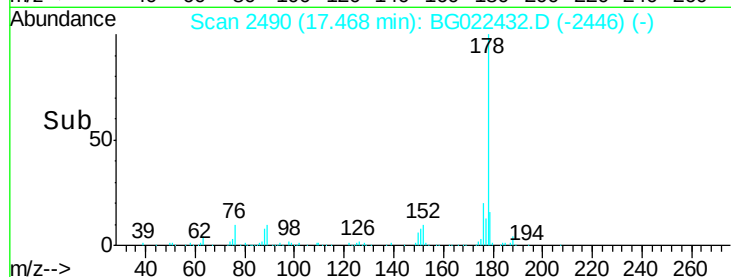
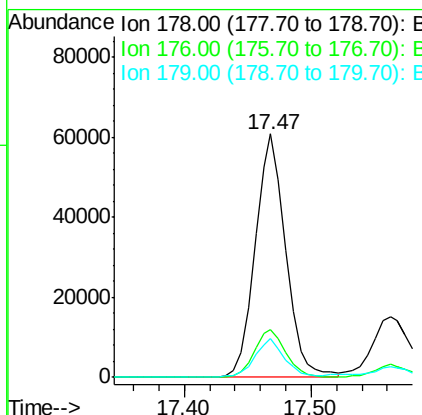
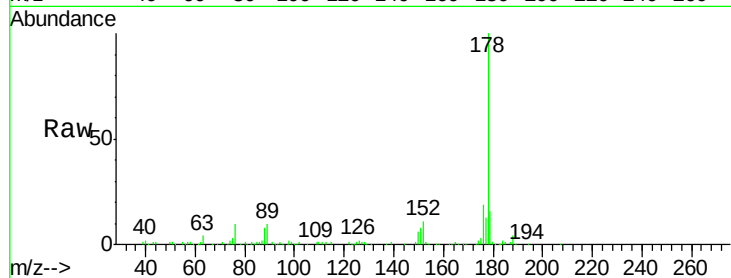
#70
Phenanthrene
Concen: 10.77 ng
RT: 17.47 min Scan# 2490
Delta R.T. -0.04 min
Lab File: BG022432.D
Acq: 18 Jun 2016 20:38

Instrument :
BNA_G
ClientSampleId :
STA-1020-(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.9	12.0	18.0

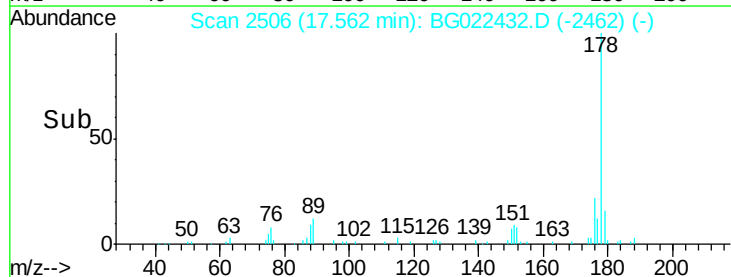
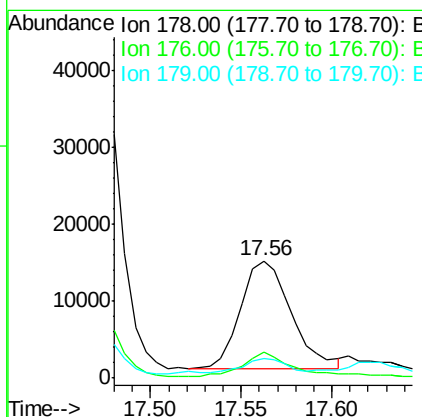
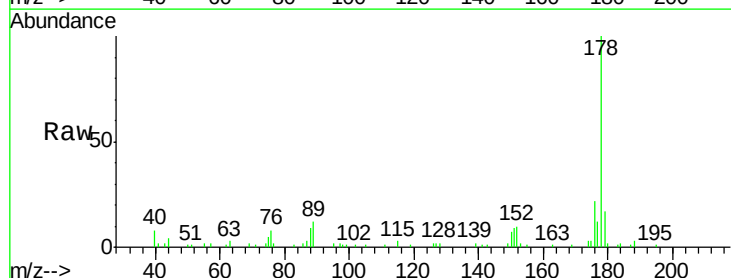
Manual Integrations
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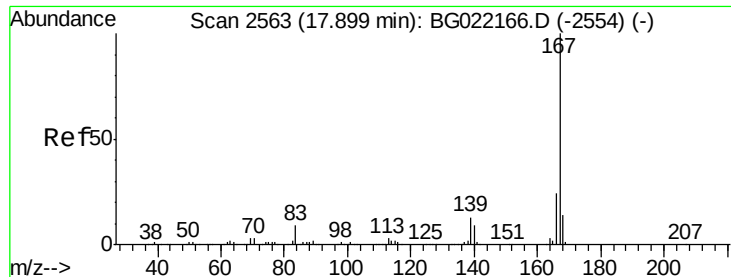
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#71
Anthracene
Concen: 2.95 ng
RT: 17.56 min Scan# 2506
Delta R.T. -0.04 min
Lab File: BG022432.D
Acq: 18 Jun 2016 20:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.2	15.0	22.4
179	16.6	12.2	18.4





#72

Carbazole

Concen: 2.31 ng

RT: 17.84 min Scan# 2553

Delta R.T. -0.03 min

Lab File: BG022432.D

Acq: 18 Jun 2016 20:38

Instrument :

BNA_G

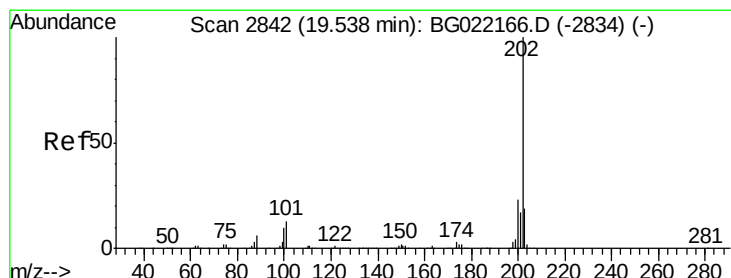
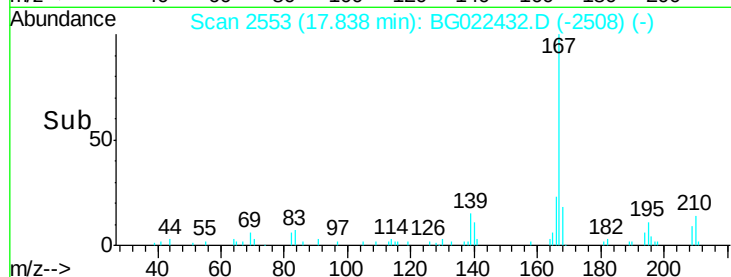
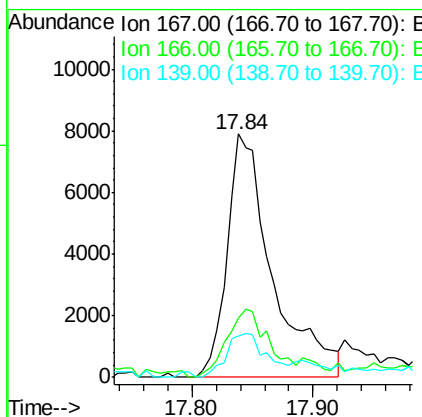
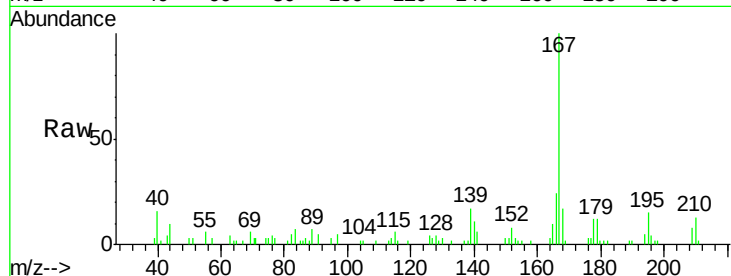
ClientSampled :

STA-1020-(0-4)

Tot Ion:	167	Resp:	20504
Ion Ratio	Lower	Upper	
167	100		
166	24.3	18.6	27.8
139	17.2	10.6	15.8#

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#74

Fluoranthene

Concen: 52.04 ng

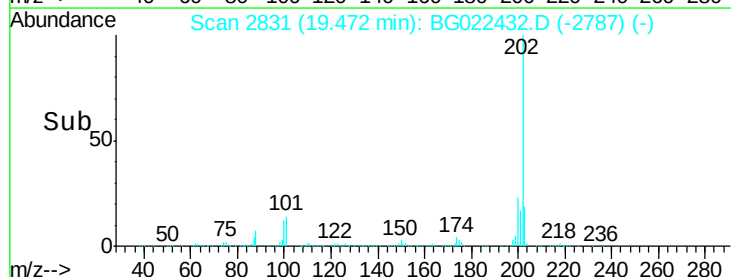
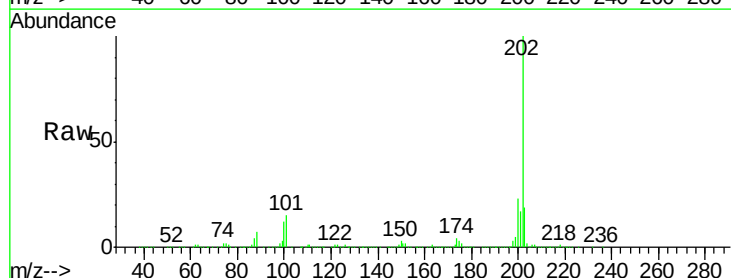
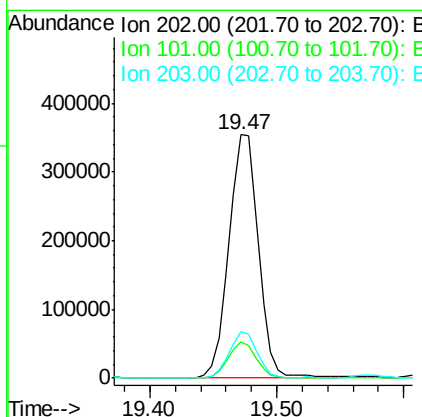
RT: 19.47 min Scan# 2831

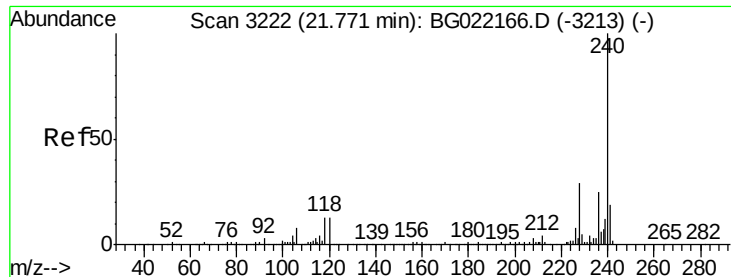
Delta R.T. -0.04 min

Lab File: BG022432.D

Acq: 18 Jun 2016 20:38

Tgt Ion:	202	Resp:	566242
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	31.0
203	19.0	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.69 min Scan# 3209

Delta R.T. -0.05 min

Lab File: BG022432.D

Acq: 18 Jun 2016 20:38

Instrument :

BNA_G

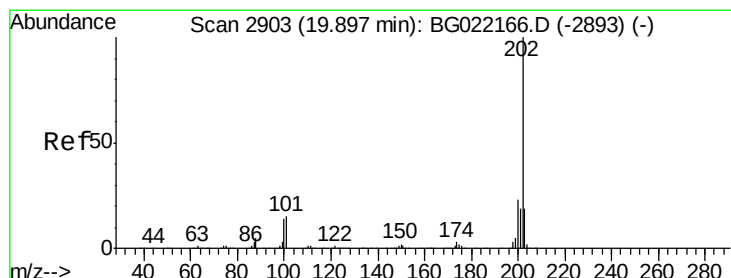
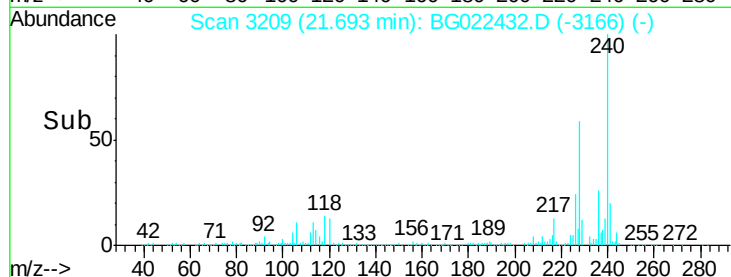
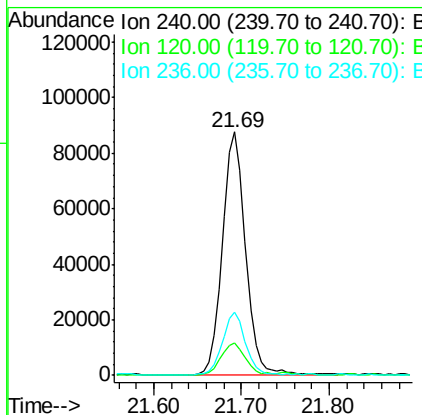
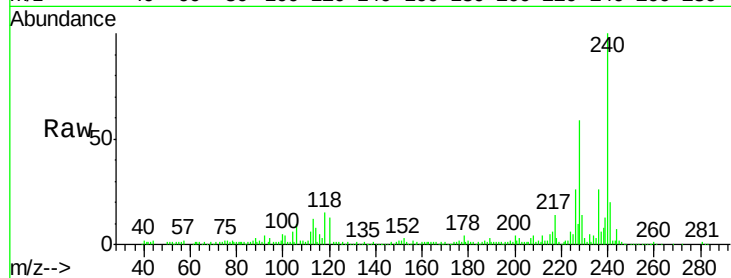
ClientSampleId :

STA-1020-(0-4)

Tot Ion:	240	Resp:	158292
Ion Ratio		Lower	Upper
240	100		
120	13.2	8.4	12.6#
236	25.7	19.6	29.4

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#77

Pyrene

Concen: 57.08 ng

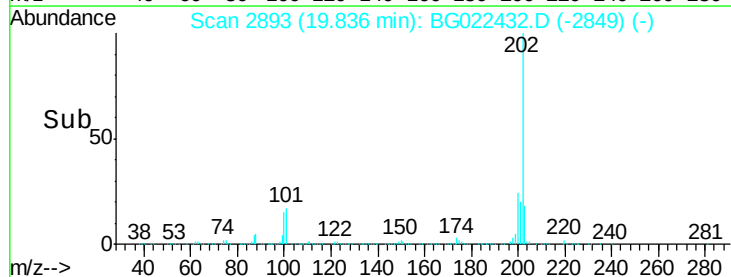
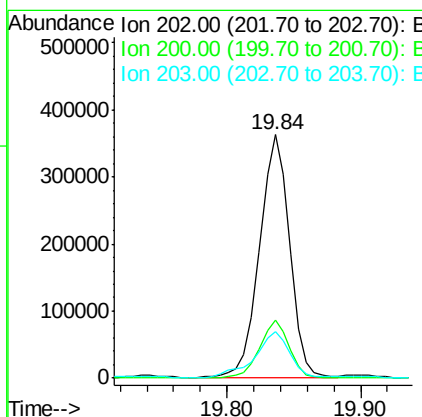
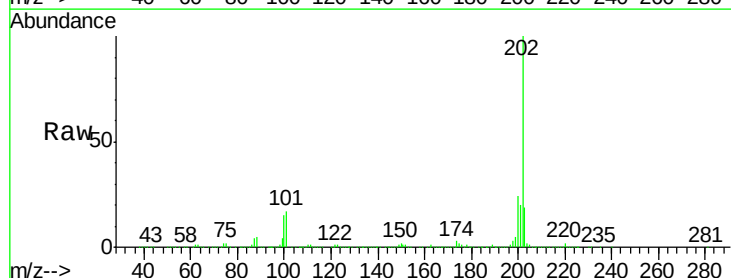
RT: 19.84 min Scan# 2893

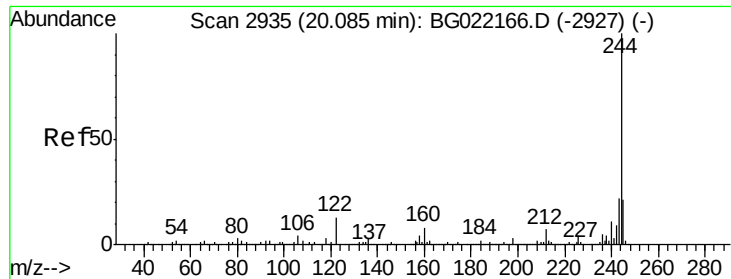
Delta R.T. -0.04 min

Lab File: BG022432.D

Acq: 18 Jun 2016 20:38

Tgt Ion:	202	Resp:	561724
Ion Ratio		Lower	Upper
202	100		
200	23.9	18.2	27.2
203	19.1	15.0	22.4





#78

Terphenyl-d14

Concen: 75.30 ng

RT: 20.02 min Scan# 2925

Delta R.T. -0.03 min

Lab File: BG022432.D

Acq: 18 Jun 2016 20:38

Instrument :

BNA_G

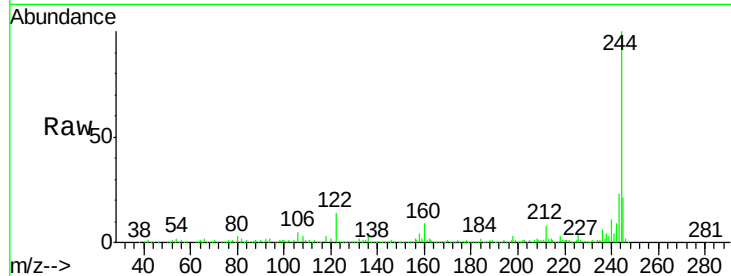
ClientSampleId :

STA-1020-(0-4)

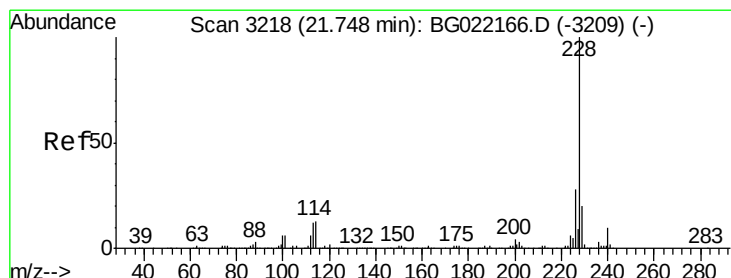
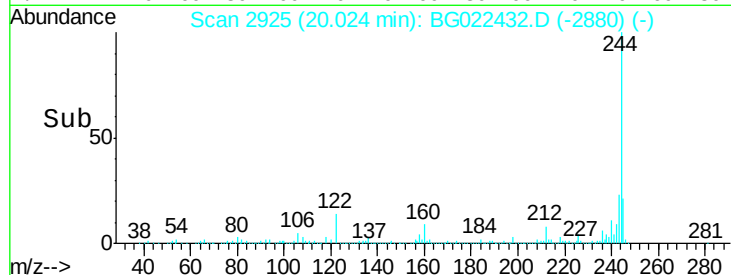
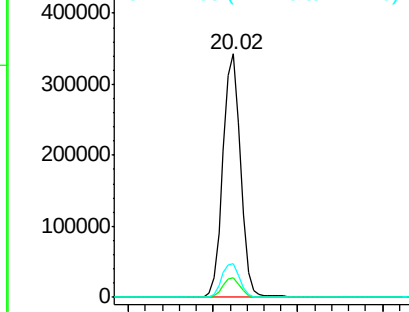
Tot Ion:	244	Resp:	502054
Ion Ratio		Lower	Upper
244	100		
212	7.9	6.5	9.7
122	13.8	8.6	12.8

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 35.94 ng

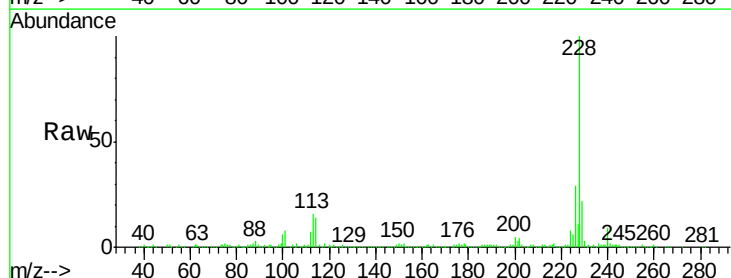
RT: 21.67 min Scan# 3205

Delta R.T. -0.05 min

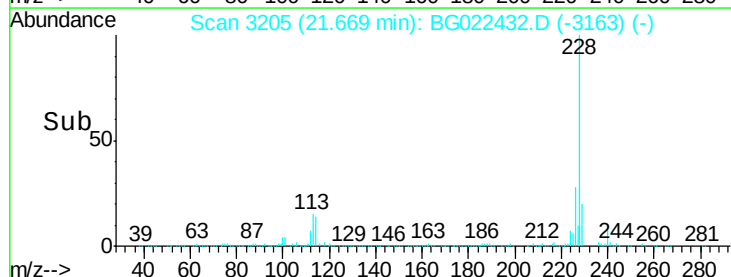
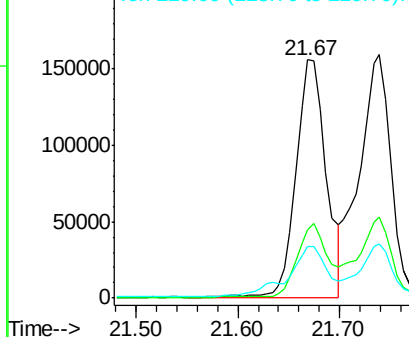
Lab File: BG022432.D

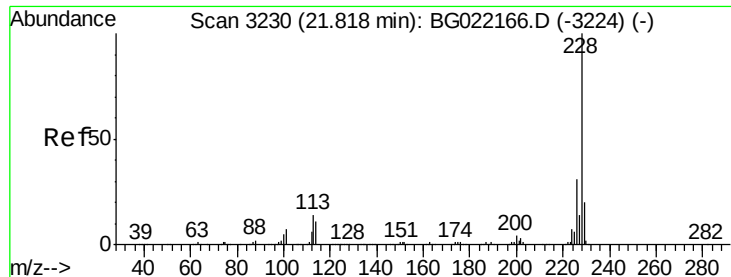
Acq: 18 Jun 2016 20:38

Tgt Ion:	228	Resp:	319003
Ion Ratio		Lower	Upper
228	100		
226	28.8	22.6	34.0
229	21.6	16.1	24.1



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 37.69 ng

RT: 21.74 min Scan# 3217

Delta R.T. -0.05 min

Lab File: BG022432.D

Acq: 18 Jun 2016 20:38

Instrument :

BNA_G

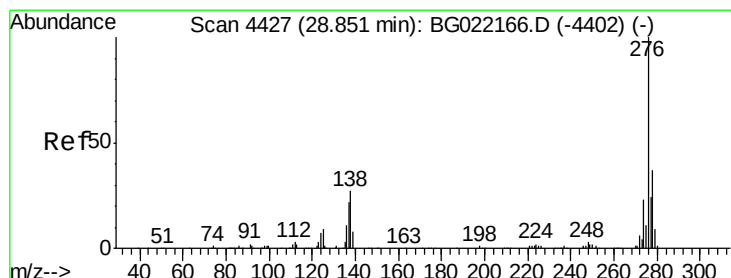
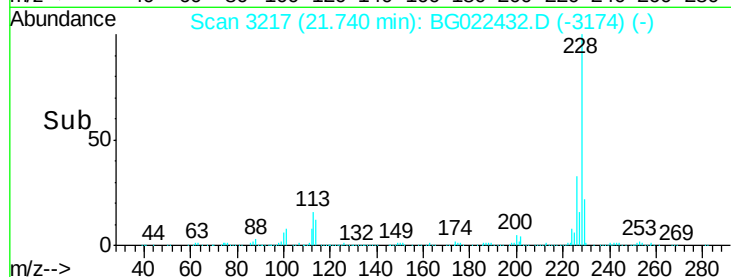
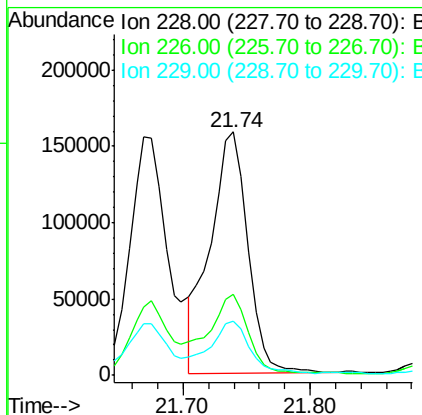
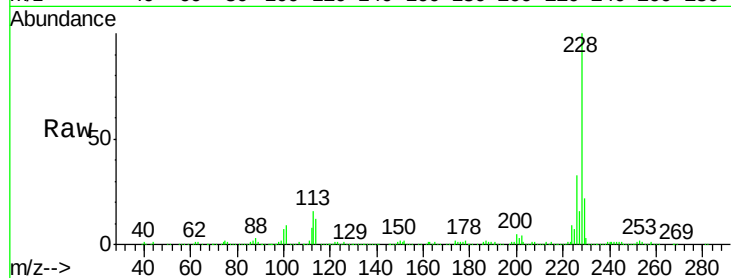
ClientSampleId :

STA-1020-(0-4)

Tot Ion:	228	Resp:	325532
Ion Ratio	Lower	Upper	
228	100		
226	33.1	25.4	38.0
229	22.4	15.9	23.9

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#85

Indeno(1,2,3-cd)pyrene

Concen: 20.02 ng

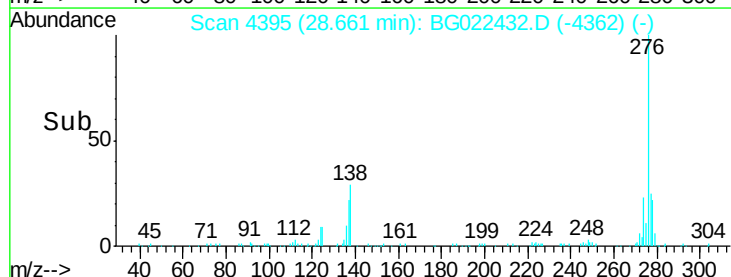
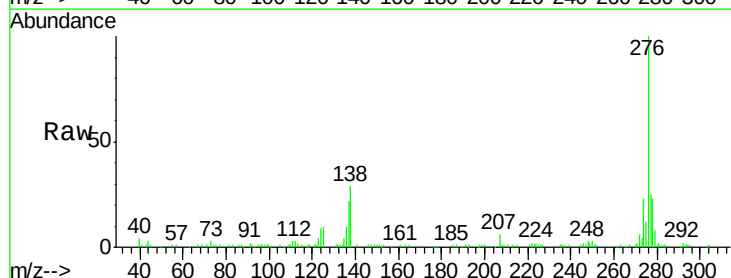
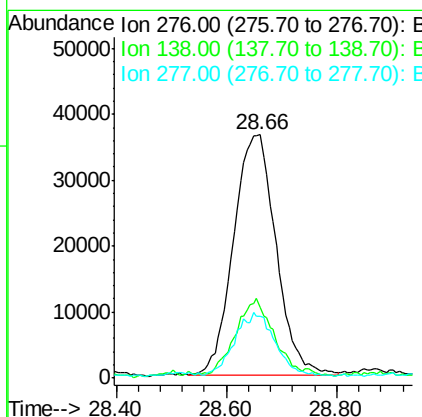
RT: 28.66 min Scan# 4395

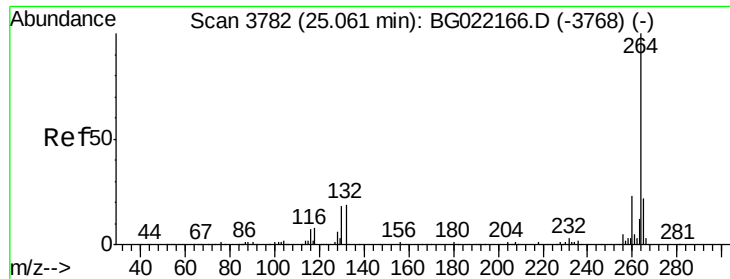
Delta R.T. -0.11 min

Lab File: BG022432.D

Acq: 18 Jun 2016 20:38

Tgt Ion:	276	Resp:	194010
Ion Ratio	Lower	Upper	
276	100		
138	27.5	14.0	21.0#
277	25.1	20.6	30.8





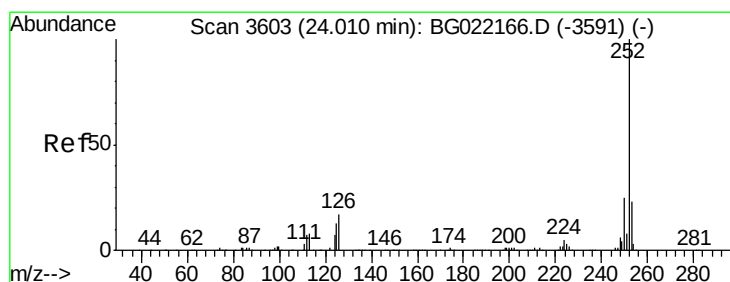
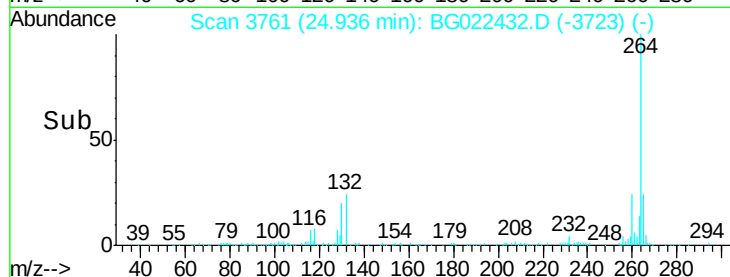
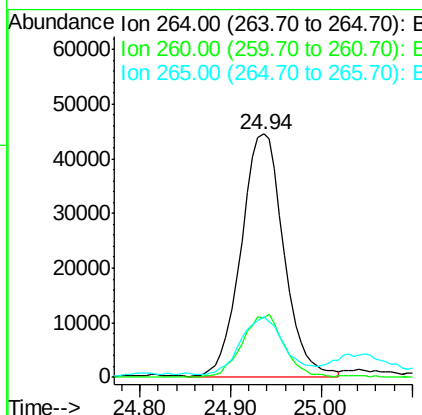
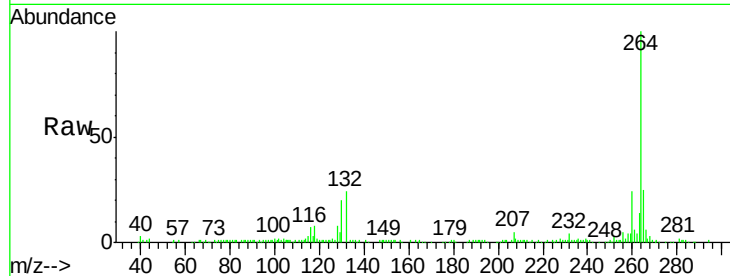
#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.94 min Scan# 3761
Delta R.T. -0.08 min
Lab File: BG022432.D
Acq: 18 Jun 2016 20:38

Instrument :
BNA_G
ClientSampleId :
STA-1020-(0-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.2	30.4
265	25.0	17.8	26.8

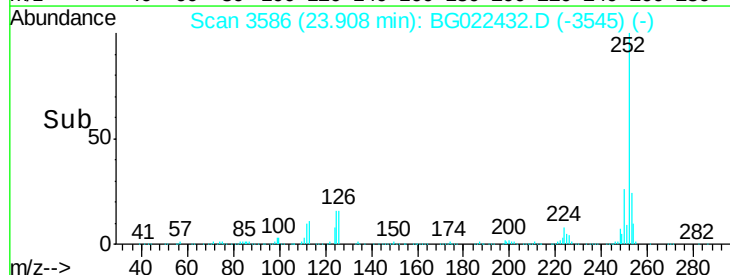
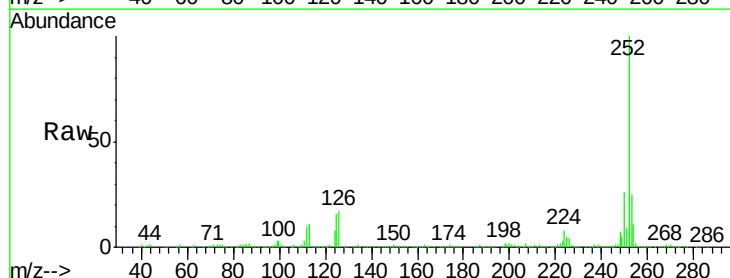
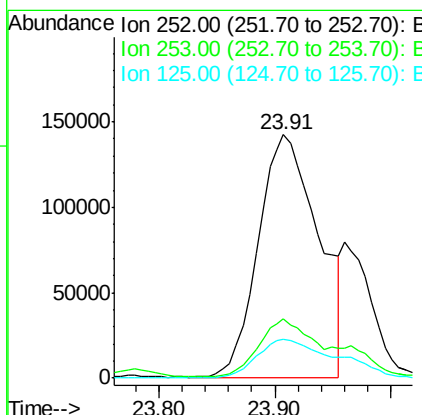
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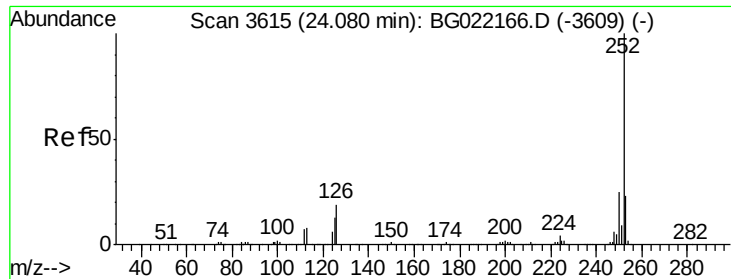
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#87
Benzo(b)fluoranthene
Concen: 60.81 ng
RT: 23.91 min Scan# 3586
Delta R.T. -0.06 min
Lab File: BG022432.D
Acq: 18 Jun 2016 20:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.5	26.3
125	15.9	8.6	13.0





#88

Benzo(k)fluoranthene

Concen: 17.61 ng m

RT: 23.96 min Scan# 3595

Delta R.T. -0.08 min

Lab File: BG022432.D

Acq: 18 Jun 2016 20:38

Instrument :

BNA_G

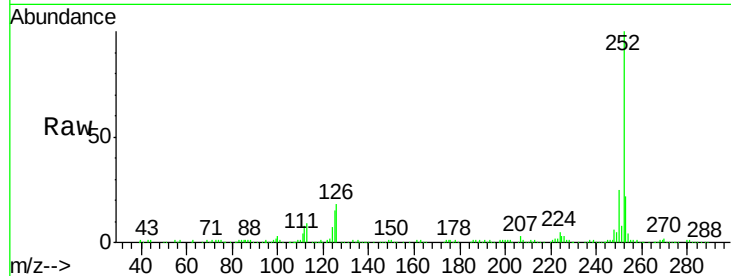
ClientSampleId :

STA-1020-(0-4)

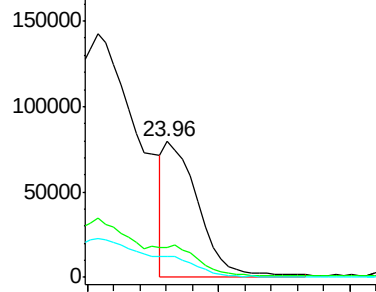
Tot Ion:	252	Resp:	146164
Ion Ratio		Lower	Upper
252	100		
253	22.0	17.8	26.8
125	15.2	8.3	12.5#

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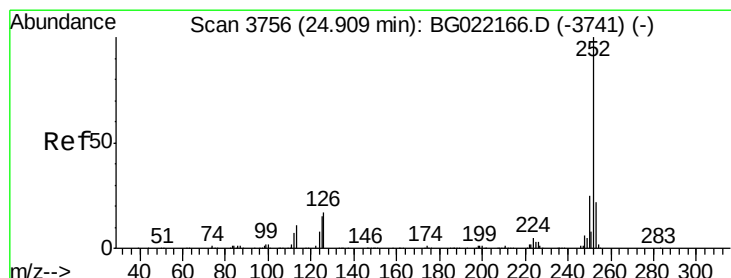
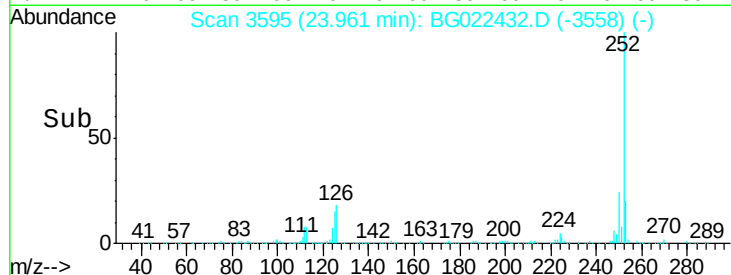
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 23.90 24.00 24.10



#89

Benzo(a)pyrene

Concen: 30.86 ng

RT: 24.78 min Scan# 3735

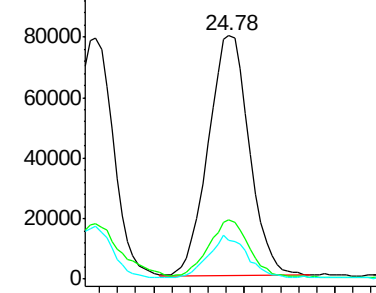
Delta R.T. -0.08 min

Lab File: BG022432.D

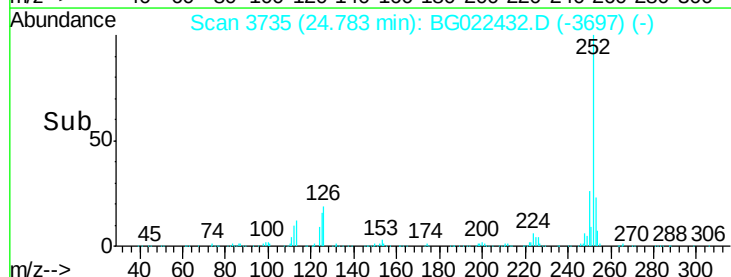
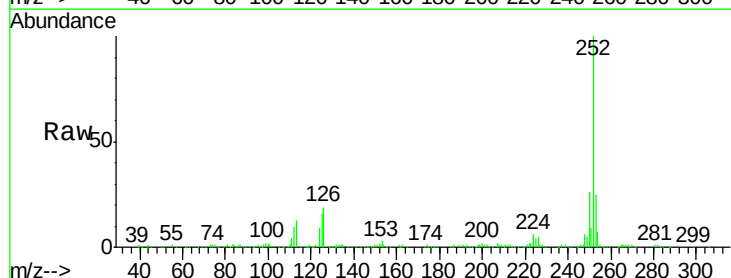
Acq: 18 Jun 2016 20:38

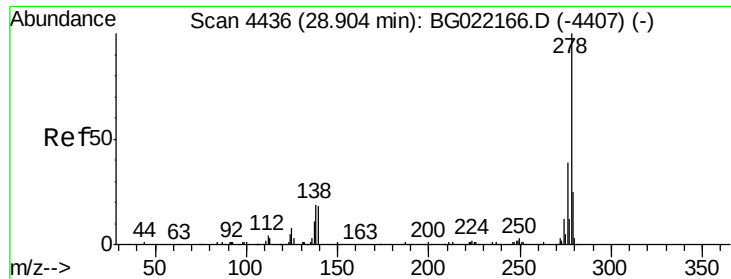
Tgt Ion:	252	Resp:	248735
Ion Ratio		Lower	Upper
252	100		
253	24.6	17.1	25.7
125	16.1	9.6	14.4#

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



Time--> 24.70 24.80 24.90





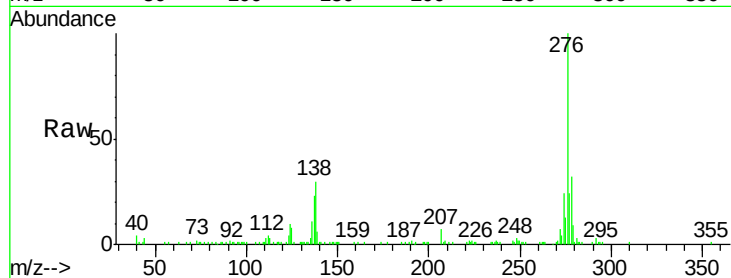
#90
Dibenzo(a,h)anthracene
Concen: 6.59 ng
RT: 28.67 min Scan# 4397
Delta R.T. -0.15 min
Lab File: BG022432.D
Acq: 18 Jun 2016 20:38

Instrument :
BNA_G
ClientSampled :
STA-1020-(0-4)

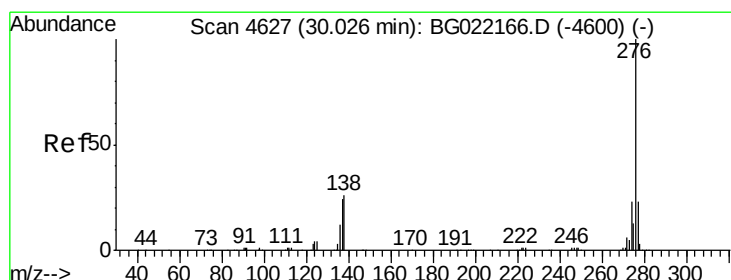
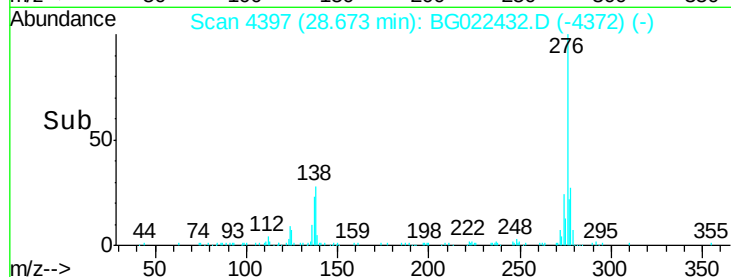
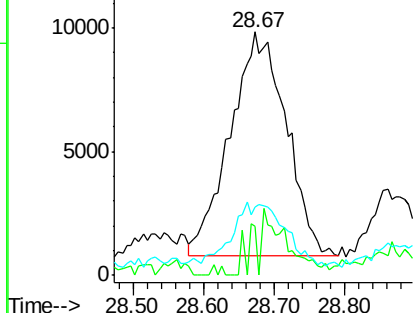
Tot Ion	Ratio	Lower	Upper
278	100		
139	20.3	11.9	17.9#
279	28.0	18.2	27.2#

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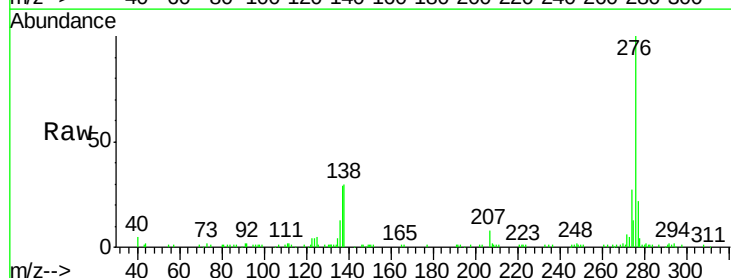


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 23.20 ng
RT: 29.83 min Scan# 4594
Delta R.T. -0.11 min
Lab File: BG022432.D
Acq: 18 Jun 2016 20:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.2	19.4	29.2
138	29.6	17.4	26.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

