

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
 Data File : BG022435.D
 Acq On : 18 Jun 2016 22:38
 Operator : UM/SJ
 Sample : H3471-19
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STA-1120-(0-4)

Manual Integrations
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Quant Time: Jun 20 03:43:35 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	39612	20.00	ng	-0.05
21) Naphthalene-d8	10.86	136	195587	20.00	ng	-0.04
38) Acenaphthene-d10	14.68	164	105397	20.00	ng	-0.04
63) Phenanthrene-d10	17.42	188	189571	20.00	ng	-0.04
75) Chrysene-d12	21.69	240	160744	20.00	ng	-0.05
86) Perylene-d12	24.93	264	143144	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	258352	126.10	ng	-0.03
7) Phenol-d6	7.24	99	380855	118.23	ng	-0.02
23) Nitrobenzene-d5	9.22	82	206733	73.69	ng	-0.04
41) 2,4,6-Tribromophenol	16.17	330	97188	81.61	ng	-0.04
44) 2-Fluorobiphenyl	13.30	172	505451	73.08	ng	-0.04
78) Terphenyl-d14	20.02	244	434793	64.22	ng	-0.04
Target Compounds						Qvalue
48) Acenaphthylene	14.41	152	31239	2.93	ng	95
49) Dimethylphthalate	14.13	163	108256	12.39	ng	100
70) Phenanthrene	17.47	178	117725	11.43	ng	98
71) Anthracene	17.56	178	28667	2.81	ng	98
74) Fluoranthene	19.47	202	366625	30.97	ng	96
77) Pyrene	19.84	202	345956	34.62	ng	99
80) Benzo(a)anthracene	21.67	228	191494	21.24	ng	98
82) Chrysene	21.74	228	179797	20.50	ng	98
83) Bis(2-ethylhexyl)phthalate	21.55	149	15801	2.32	ng	96
85) Indeno(1,2,3-cd)pyrene	28.66	276	106776	10.85	ng	# 87
87) Benzo(b)fluoranthene	23.90	252	295663m	35.42	ng	
88) Benzo(k)fluoranthene	23.96	252	76278m	9.28	ng	
89) Benzo(a)pyrene	24.78	252	170881	21.41	ng	# 94
90) Dibenzo(a,h)anthracene	28.69	278	23545	3.13	ng	# 77
91) Benzo(a,h,i)perylene	29.81	276	87530	11.19	ng	# 93

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

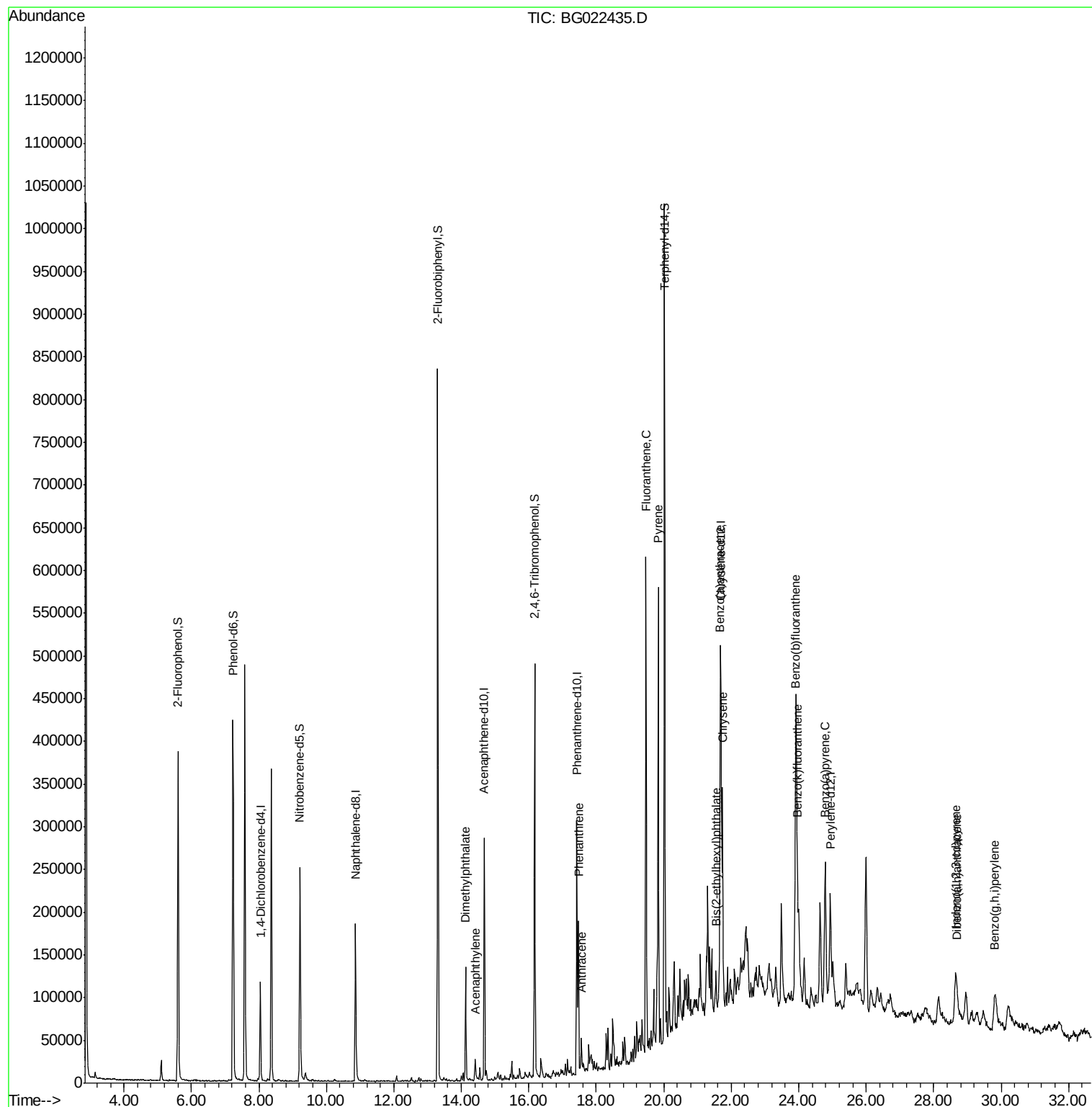
Data Path : Z:\HPCHEM1\BNA G\DATA\BG061716\
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ALS Vial : 44 Sample Multiplier: 1

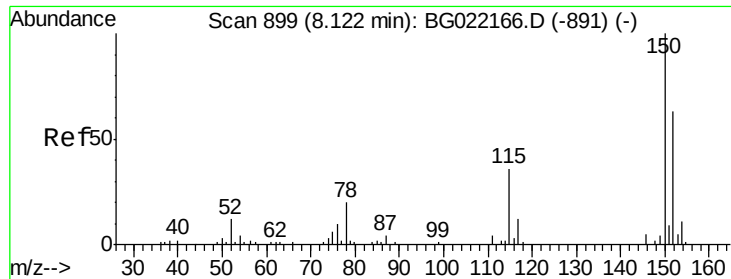
Instrument :
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ClientSampleId :
STA-1120-(0-4)

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

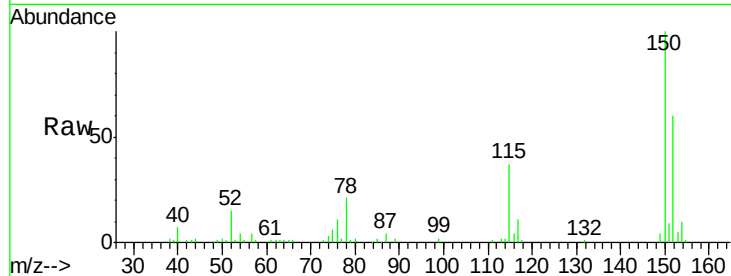
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.04 min Scan# 885
Delta R.T. -0.05 min
Lab File: BG022435.D
Acq: 18 Jun 2016 22:38

Instrument :
BNA_G
ClientSampleId :
STA-1120-(0-4)

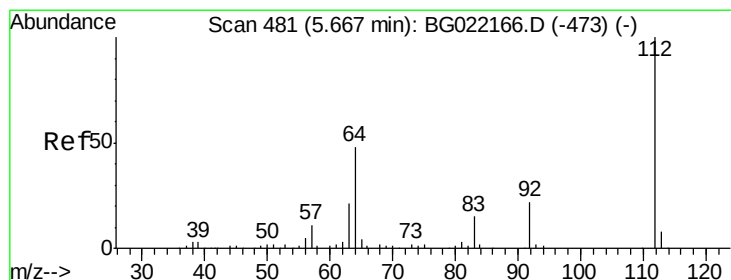
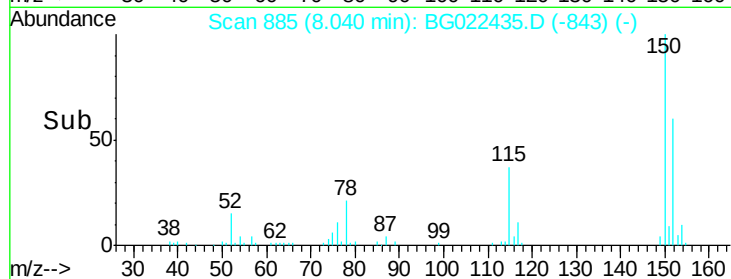
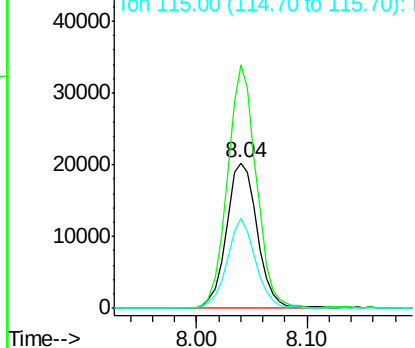
Tot Ion	Ratio	Lower	Upper
152	100		
150	167.4	130.1	195.1
115	62.0	62.2	93.2

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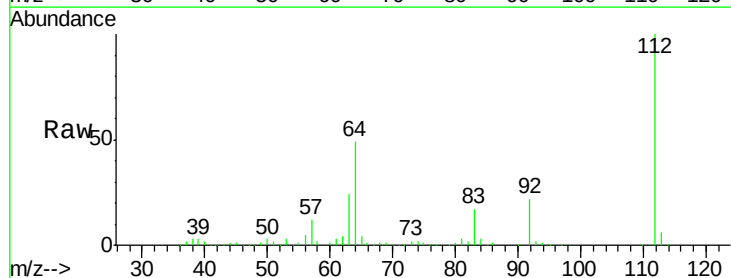
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



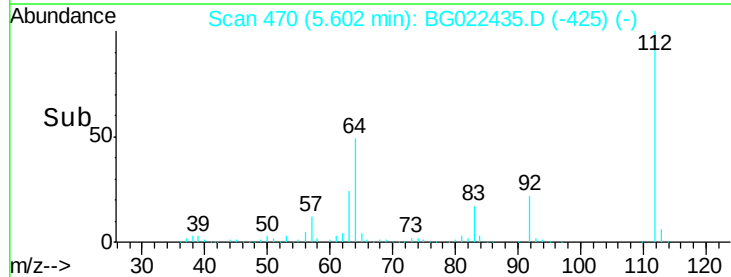
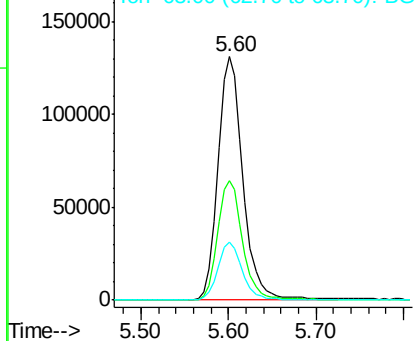
#5

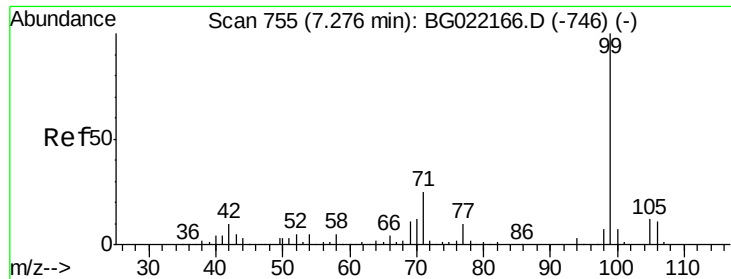
2-Fluorophenol
Concen: 126.10 ng
RT: 5.60 min Scan# 470
Delta R.T. -0.03 min
Lab File: BG022435.D
Acq: 18 Jun 2016 22:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.1	51.1	76.7
63	24.0	24.6	37.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 118.23 ng

RT: 7.24 min Scan# 748

Delta R.T. -0.02 min

Lab File: BG022435.D

Acq: 18 Jun 2016 22:38

Instrument :

BNA_G

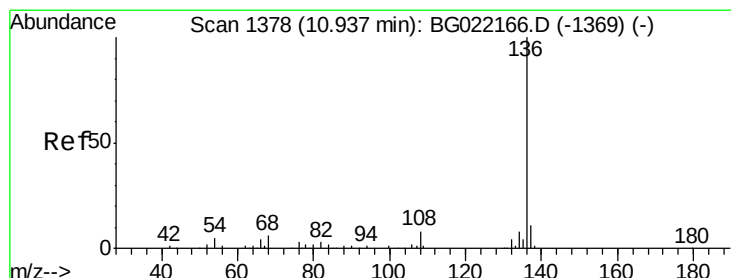
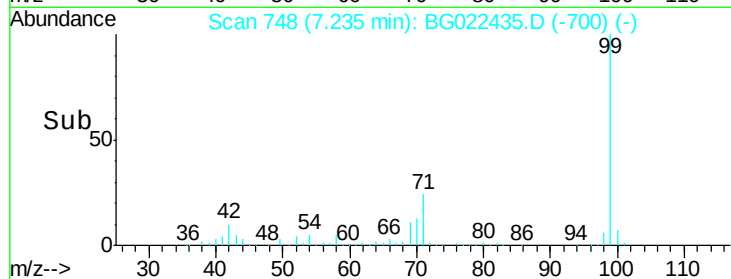
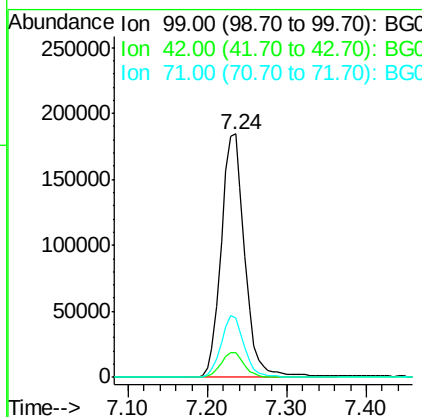
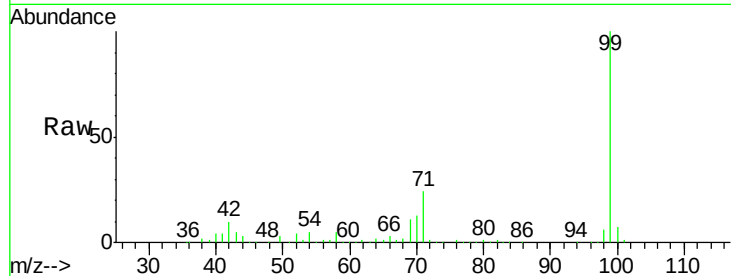
ClientSampleId :

STA-1120-(0-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		380855		
42	10.1	16.4	24.6#		
71	24.3	25.0	37.4#		

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#21

Naphthalene-d8

Concen: 20.00 ng

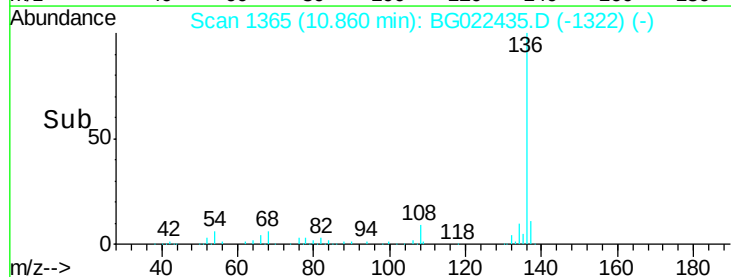
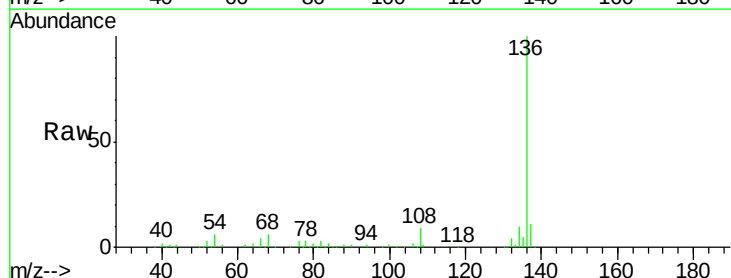
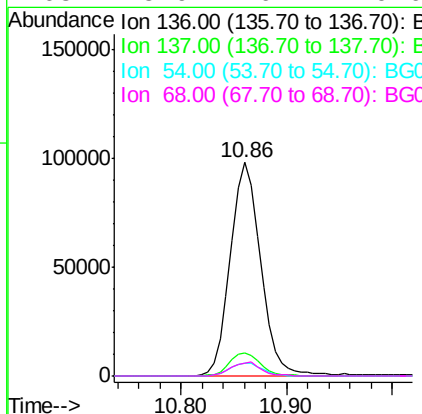
RT: 10.86 min Scan# 1365

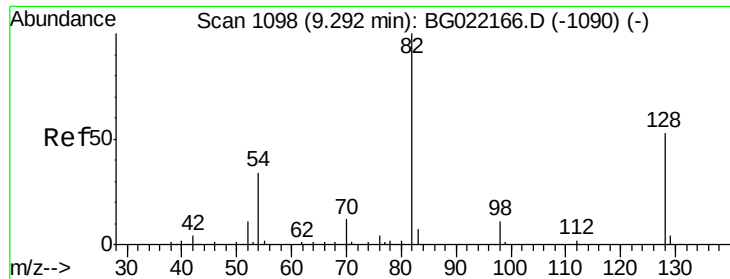
Delta R.T. -0.04 min

Lab File: BG022435.D

Acq: 18 Jun 2016 22:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		195587		
137	11.1	9.0	13.4		
54	5.9	9.6	14.4#		
68	5.9	6.4	9.6#		





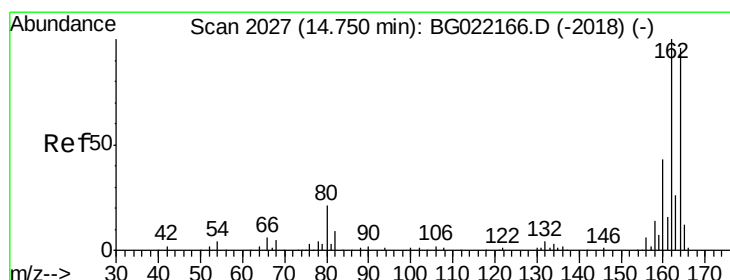
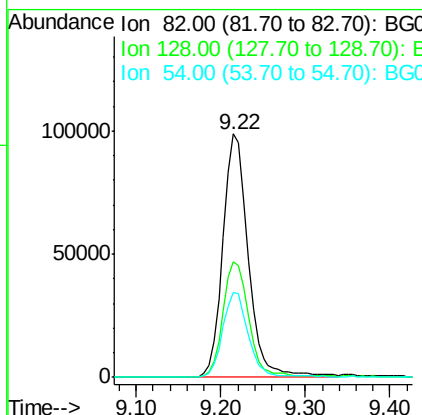
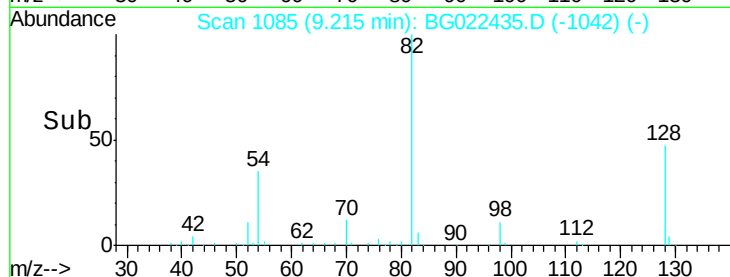
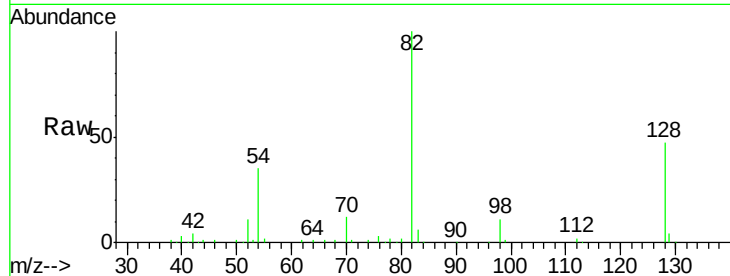
#23
 Nitrobenzene-d5
 Concen: 73.69 ng
 RT: 9.22 min Scan# 1085
 Delta R.T. -0.04 min
 Lab File: BG022435.D
 Acq: 18 Jun 2016 22:38

Instrument :
 BNA_G
 ClientSampled :
 STA-1120-(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	206733		
128	47.3		33.4	50.0
54	34.9		46.1	69.1#

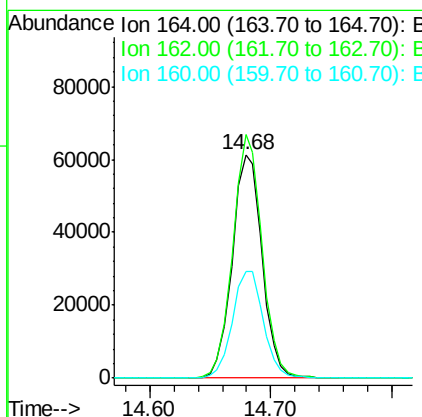
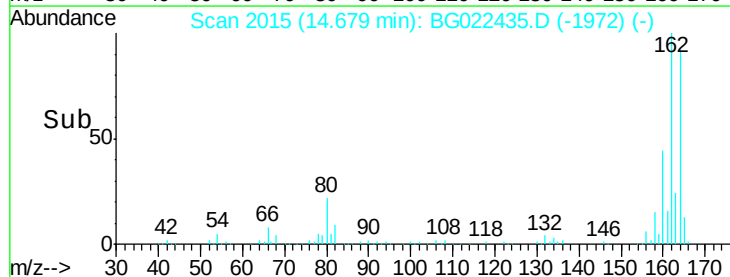
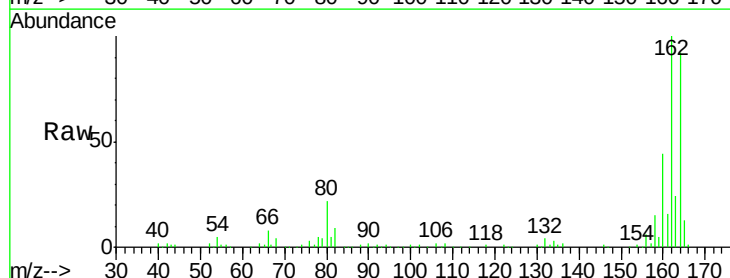
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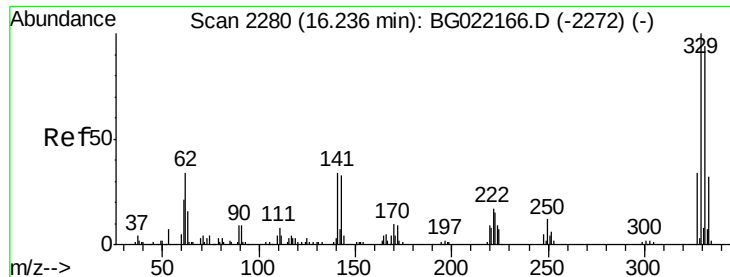
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.68 min Scan# 2015
 Delta R.T. -0.04 min
 Lab File: BG022435.D
 Acq: 18 Jun 2016 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	105397		
162	109.0		78.0	117.0
160	47.6		32.9	49.3





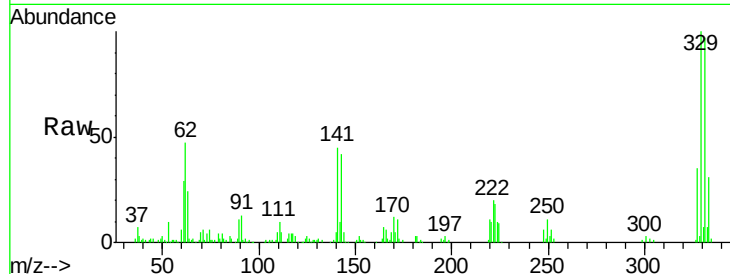
#41
 2,4,6-Tribromophenol
 Concen: 81.61 ng
 RT: 16.17 min Scan# 2269
 Delta R.T. -0.04 min
 Lab File: BG022435.D
 Acq: 18 Jun 2016 22:38

Instrument :
 BNA_G
 ClientSampleId :
 STA-1120-(0-4)

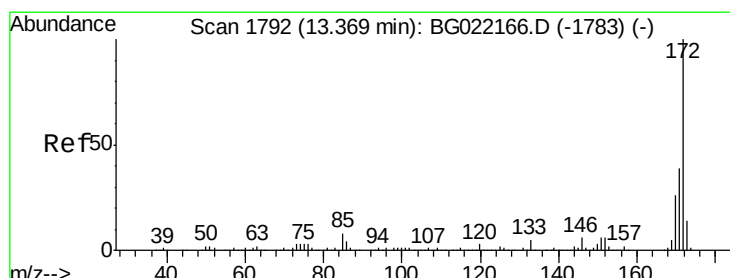
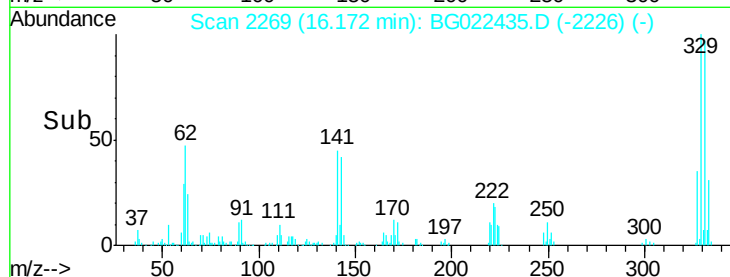
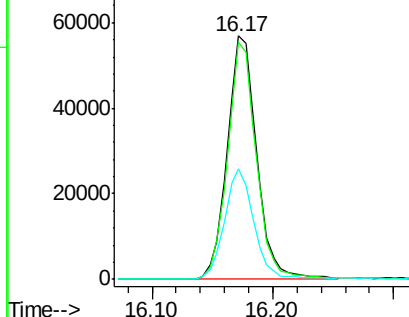
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	78.0	117.0
141	44.9	33.8	50.8

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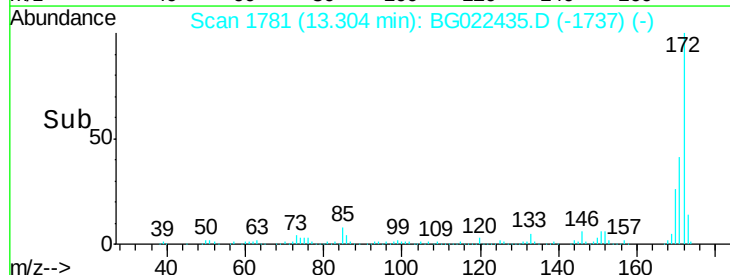
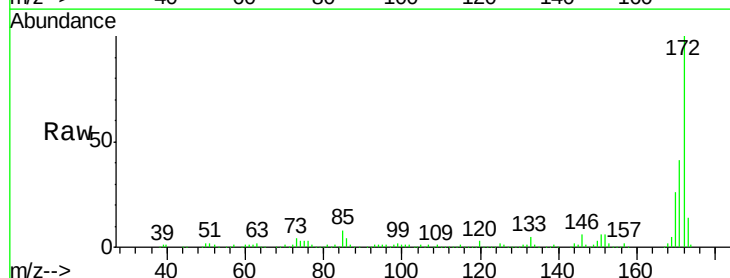
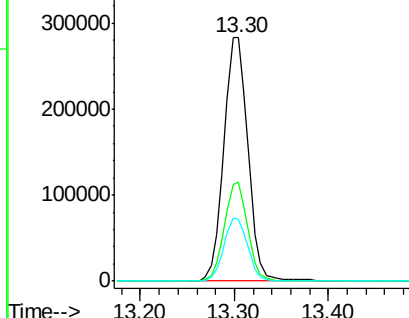
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

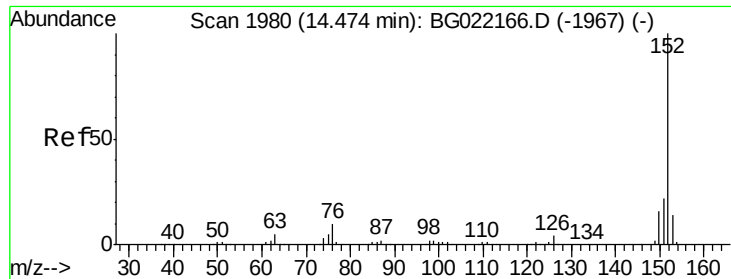


#44
 2-Fluorobiphenyl
 Concen: 73.08 ng
 RT: 13.30 min Scan# 1781
 Delta R.T. -0.04 min
 Lab File: BG022435.D
 Acq: 18 Jun 2016 22:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.6	27.8	41.6
170	25.5	19.6	29.4

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





#48

Acenaphthylene

Concen: 2.93 ng

RT: 14.41 min Scan# 1969

Delta R.T. -0.04 min

Lab File: BG022435.D

Acq: 18 Jun 2016 22:38

Instrument :

BNA_G

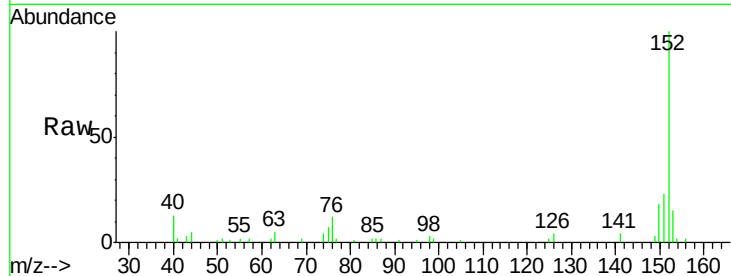
ClientSampleId :

STA-1120-(0-4)

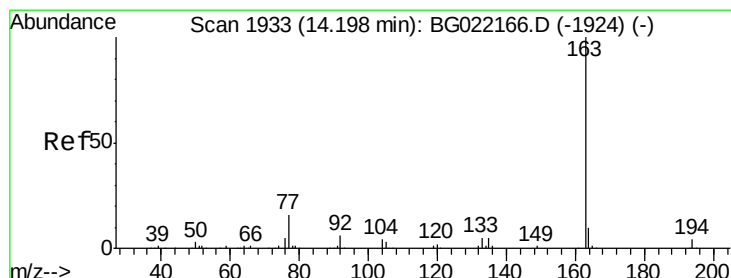
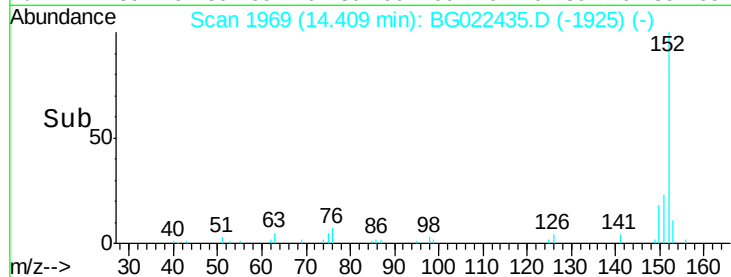
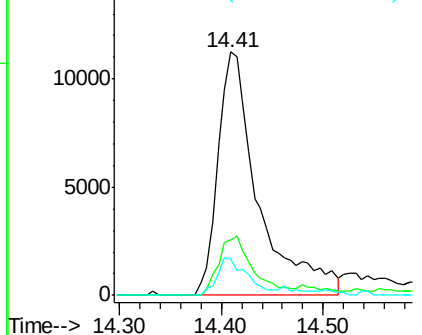
Tot Ion:	152	Resp:	31239
Ion Ratio	Lower	Upper	
152	100		
151	22.8	16.6	24.8
153	14.7	10.2	15.2

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 12.39 ng

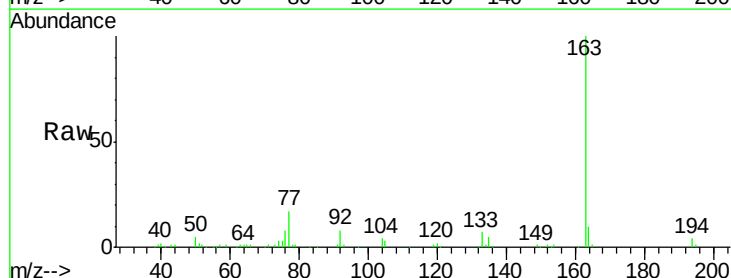
RT: 14.13 min Scan# 1921

Delta R.T. -0.04 min

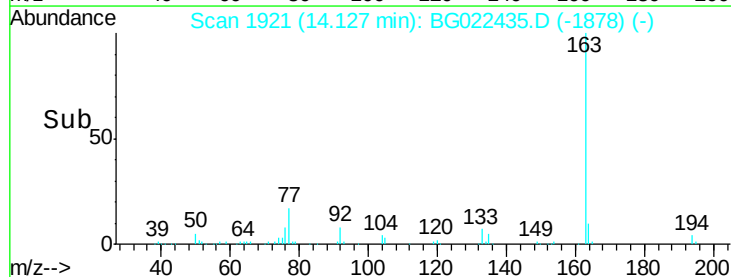
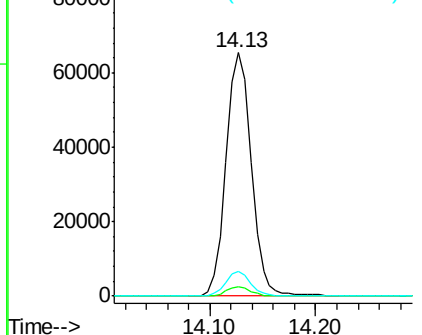
Lab File: BG022435.D

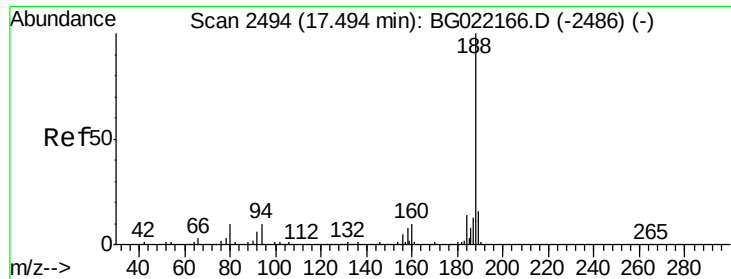
Acq: 18 Jun 2016 22:38

Tgt Ion:	163	Resp:	108256
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.0	4.6
164	10.1	8.1	12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





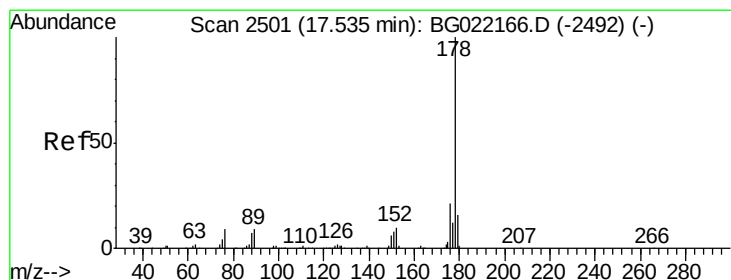
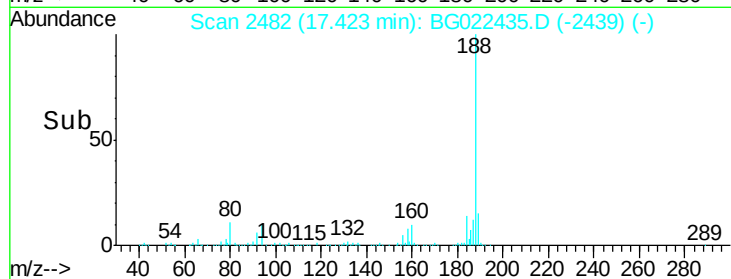
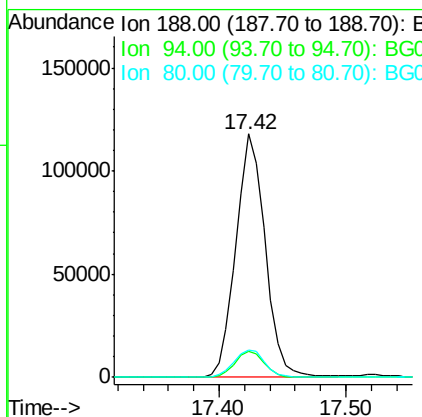
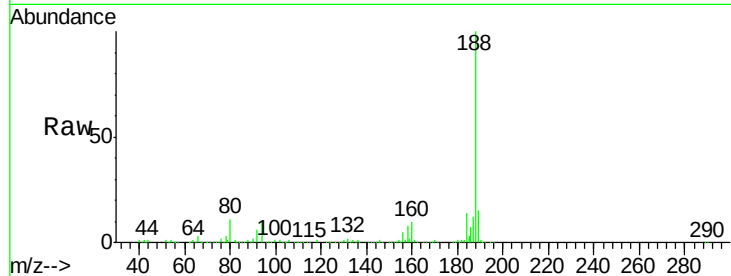
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.42 min Scan# 2482
Delta R.T. -0.04 min
Lab File: BG022435.D
Acq: 18 Jun 2016 22:38

Instrument :
BNA_G
ClientSampleId :
STA-1120-(0-4)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.5	7.5	11.3
80	11.3	8.6	13.0

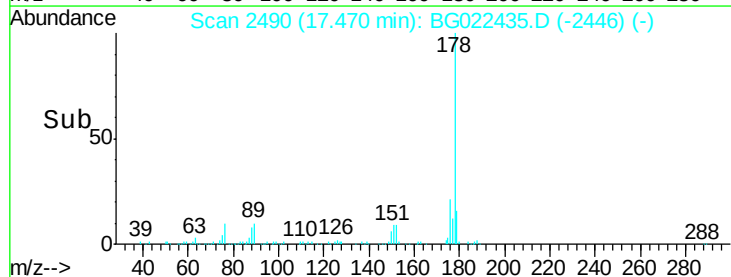
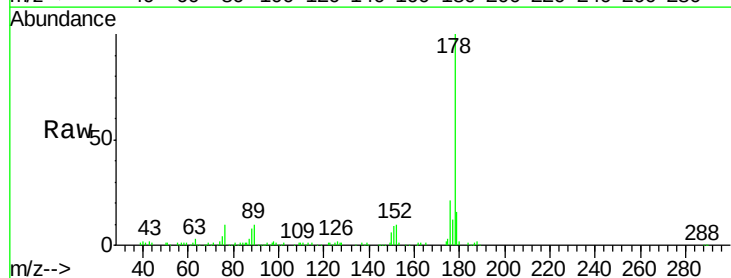
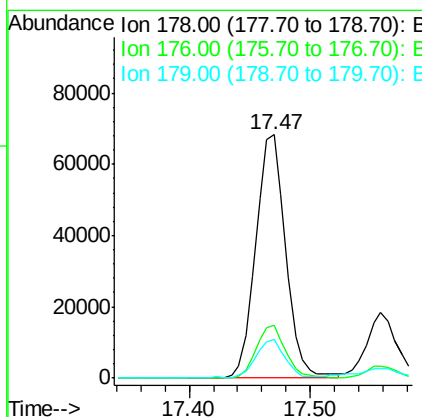
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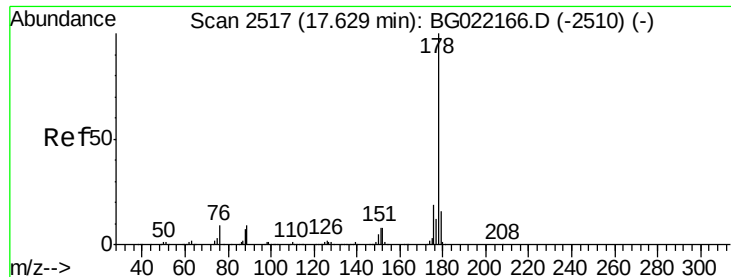
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#70
Phenanthrene
Concen: 11.43 ng
RT: 17.47 min Scan# 2490
Delta R.T. -0.04 min
Lab File: BG022435.D
Acq: 18 Jun 2016 22:38

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	21.5	16.2	24.4
179	15.9	12.0	18.0





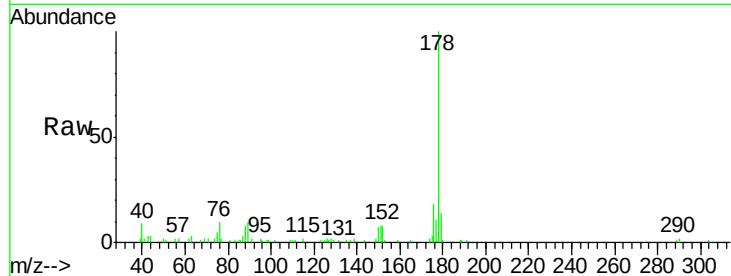
#71
 Anthracene
 Concen: 2.81 ng
 RT: 17.56 min Scan# 2505
 Delta R.T. -0.04 min
 Lab File: BG022435.D
 Acq: 18 Jun 2016 22:38

Instrument :
 BNA_G
 ClientSampleId :
 STA-1120-(0-4)

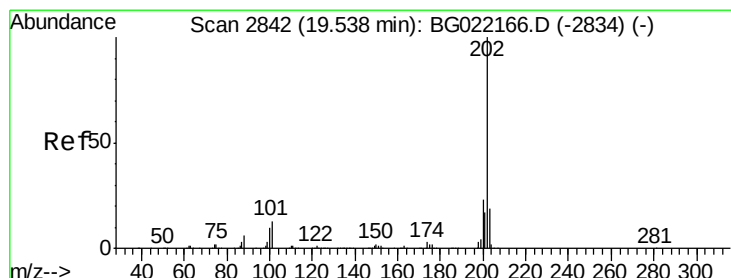
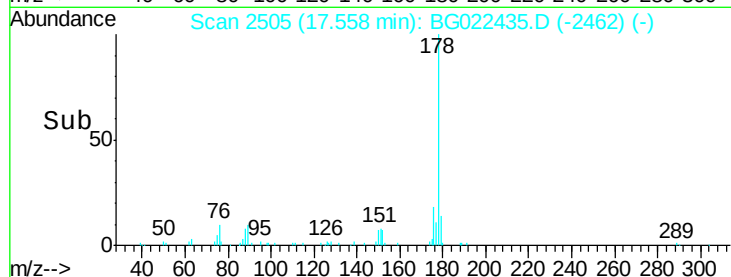
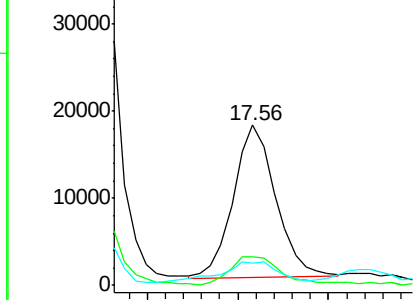
Tot Ion:	178	Resp:	28667
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.0	22.4
179	14.0	12.2	18.4

Manual Integrations
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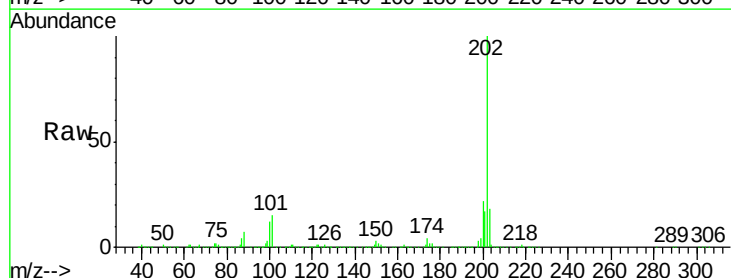


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

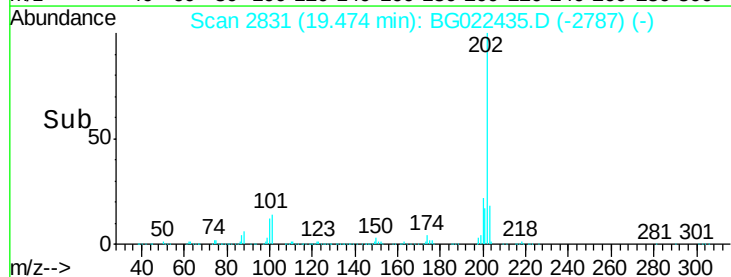
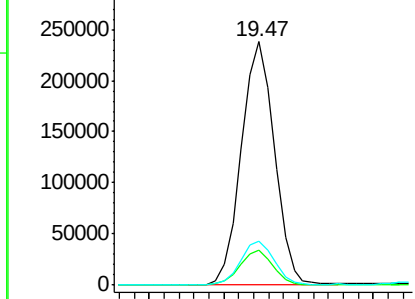


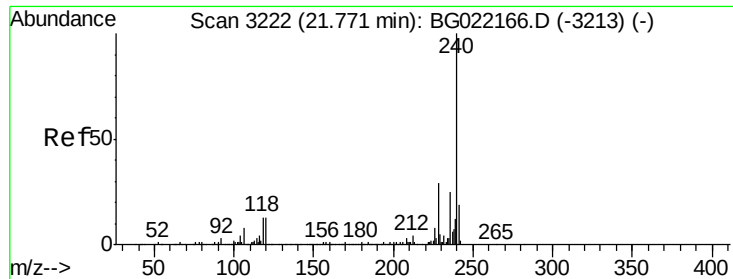
#74
 Fluoranthene
 Concen: 30.97 ng
 RT: 19.47 min Scan# 2831
 Delta R.T. -0.04 min
 Lab File: BG022435.D
 Acq: 18 Jun 2016 22:38

Tgt Ion:	202	Resp:	366625
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	31.0
203	17.9	0.0	37.9



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: 21.69 min Scan# 3208

Delta R.T. -0.05 min

Lab File: BG022435.D

Acq: 18 Jun 2016 22:38

Instrument :

BNA_G

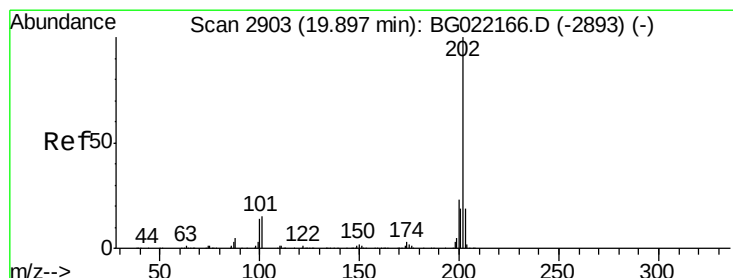
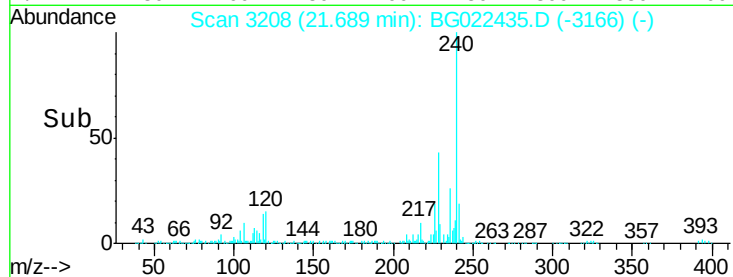
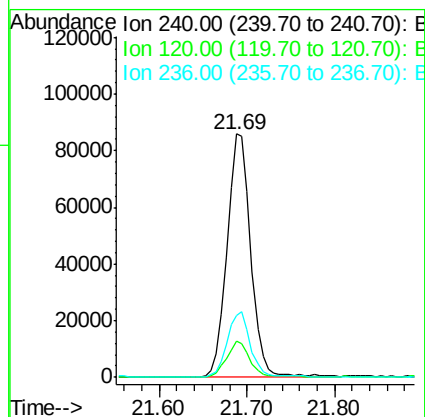
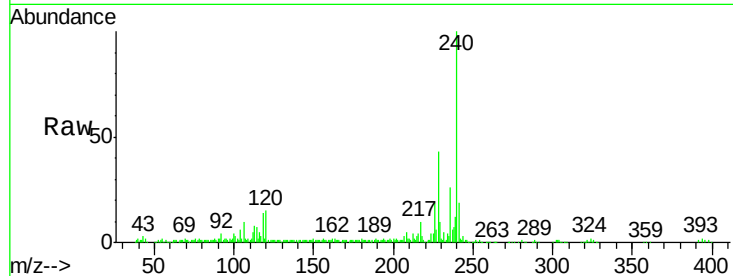
ClientSampleId :

STA-1120-(0-4)

Tot Ion:	240	Resp:	160744
Ion Ratio	Lower	Upper	
240	100		
120	15.0	8.4	12.6#
236	25.6	19.6	29.4

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#77

Pyrene

Concen: 34.62 ng

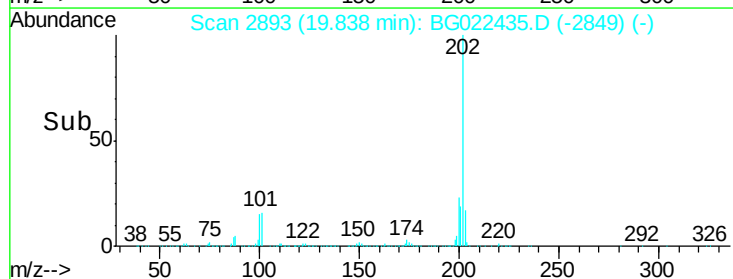
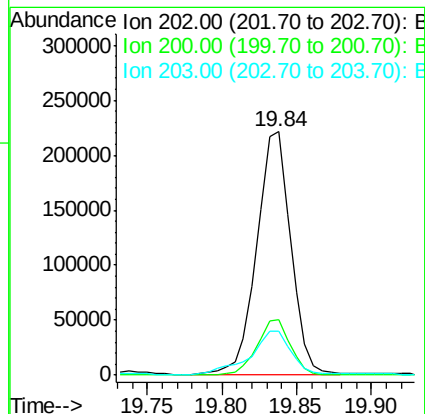
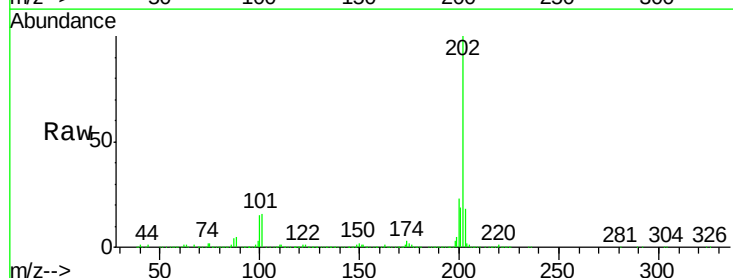
RT: 19.84 min Scan# 2893

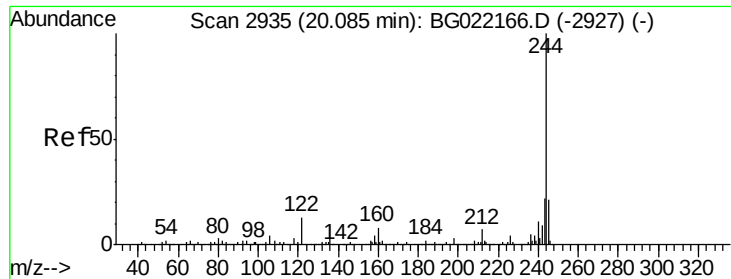
Delta R.T. -0.04 min

Lab File: BG022435.D

Acq: 18 Jun 2016 22:38

Tgt Ion:	202	Resp:	345956
Ion Ratio	Lower	Upper	
202	100		
200	22.8	18.2	27.2
203	18.2	15.0	22.4





#78

Terphenyl-d14

Concen: 64.22 ng

RT: 20.02 min Scan# 2924

Delta R.T. -0.04 min

Lab File: BG022435.D

Acq: 18 Jun 2016 22:38

Instrument :

BNA_G

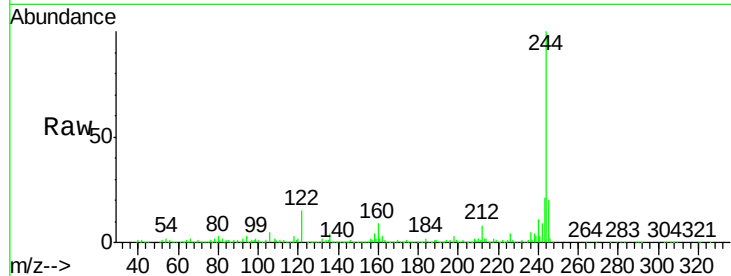
ClientSampleId :

STA-1120-(0-4)

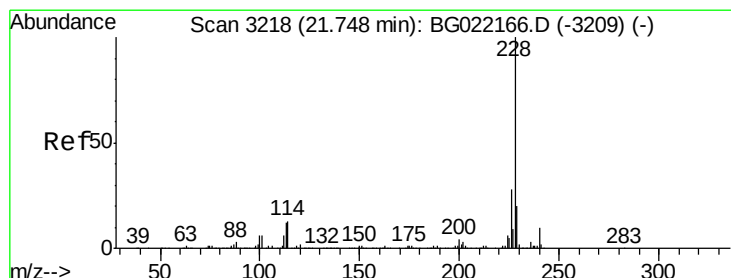
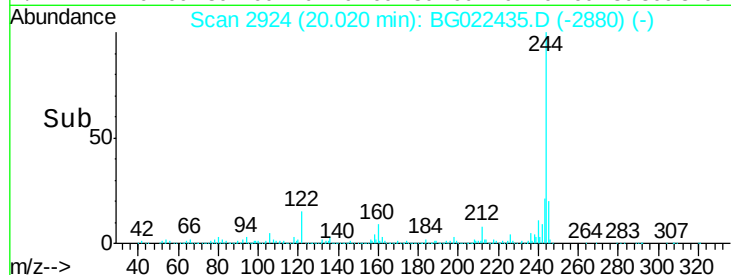
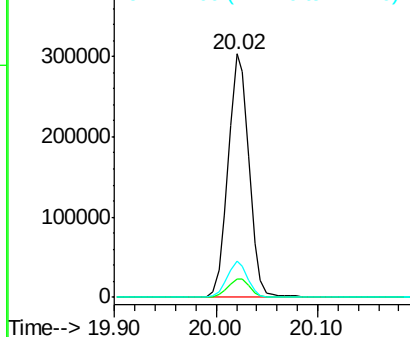
Tot Ion:	244	Resp:	434793
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.5	9.7
122	15.1	8.6	12.8#

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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: 21.24 ng

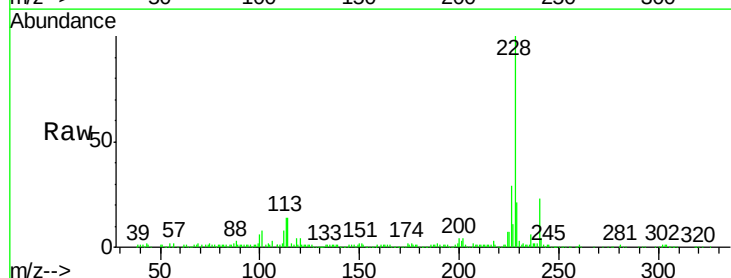
RT: 21.67 min Scan# 3205

Delta R.T. -0.05 min

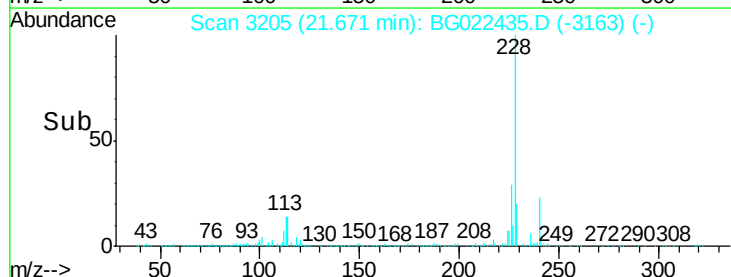
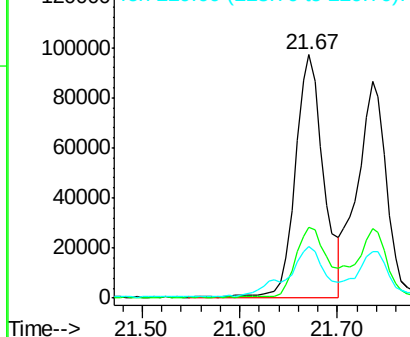
Lab File: BG022435.D

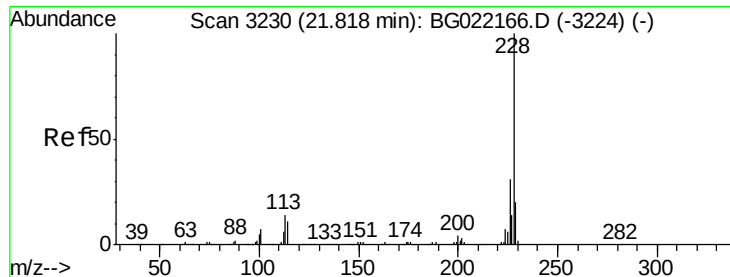
Acq: 18 Jun 2016 22:38

Tgt Ion:	228	Resp:	191494
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.6	34.0
229	20.9	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





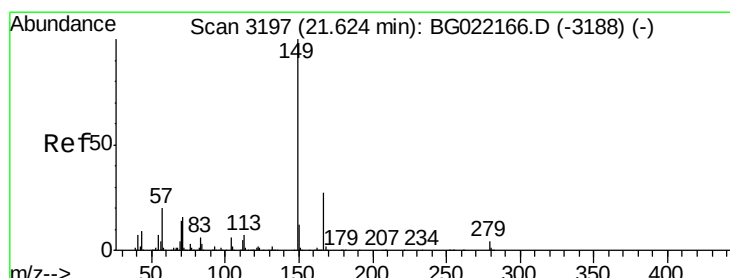
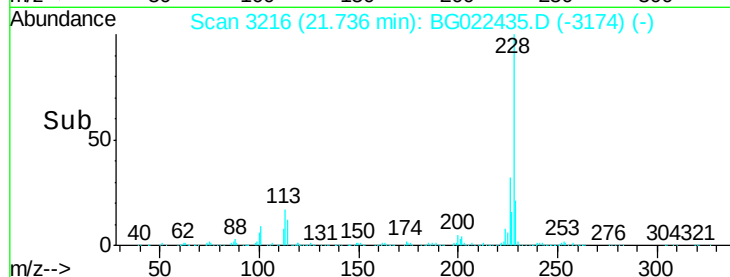
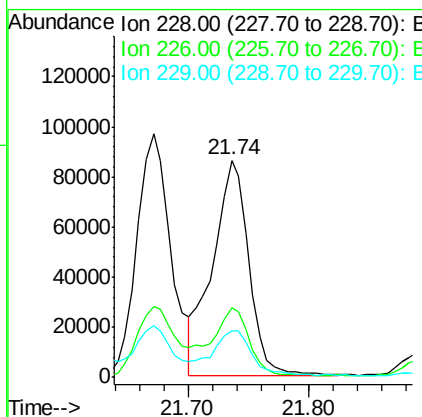
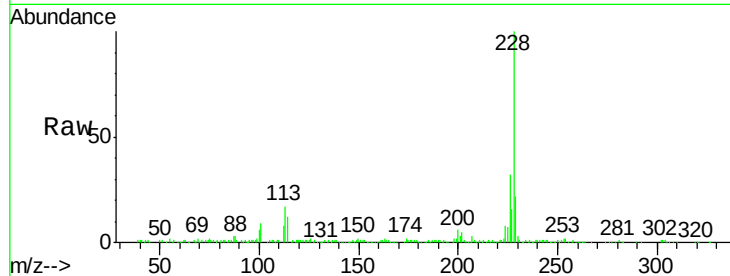
#82
Chrysene
Concen: 20.50 ng
RT: 21.74 min Scan# 3216
Delta R.T. -0.05 min
Lab File: BG022435.D
Acq: 18 Jun 2016 22:38

Instrument :
BNA_G
ClientSampleId :
STA-1120-(0-4)

Tot Ion:	228	Resp:	179797
Ion Ratio	Lower	Upper	
228	100		
226	32.1	25.4	38.0
229	21.5	15.9	23.9

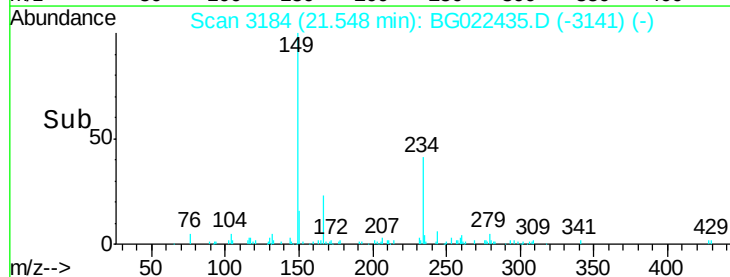
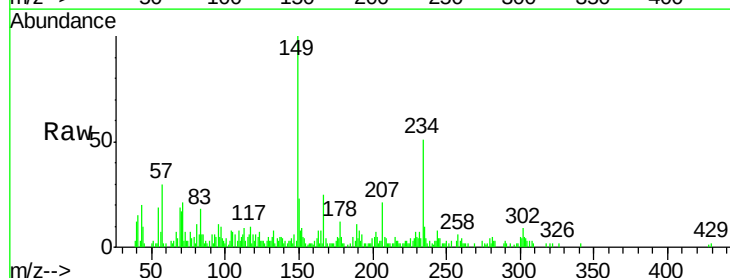
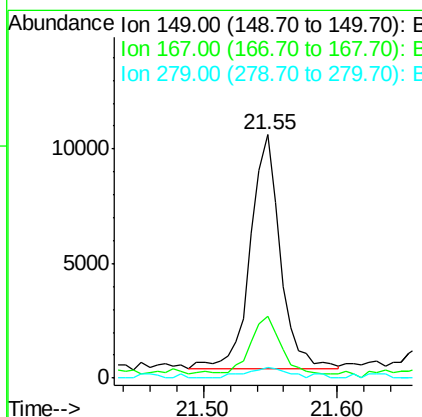
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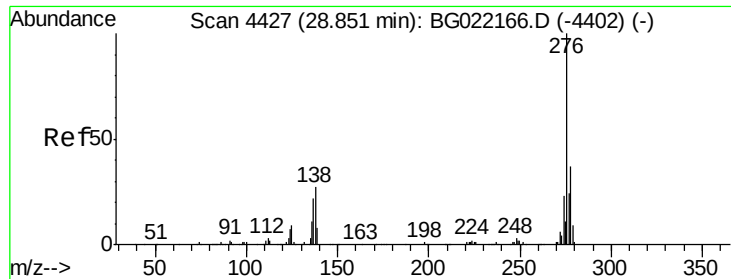
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.32 ng
RT: 21.55 min Scan# 3184
Delta R.T. -0.04 min
Lab File: BG022435.D
Acq: 18 Jun 2016 22:38

Tgt Ion:	149	Resp:	15801
Ion Ratio	Lower	Upper	
149	100		
167	25.4	22.4	33.6
279	4.3	3.2	4.8





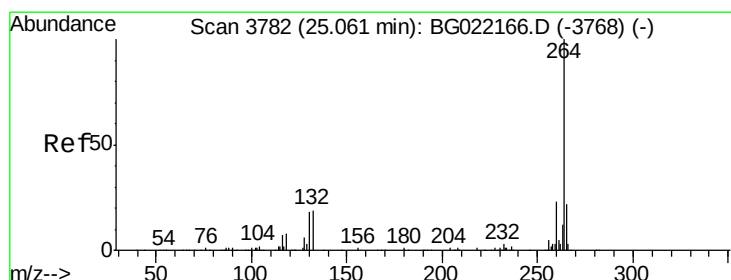
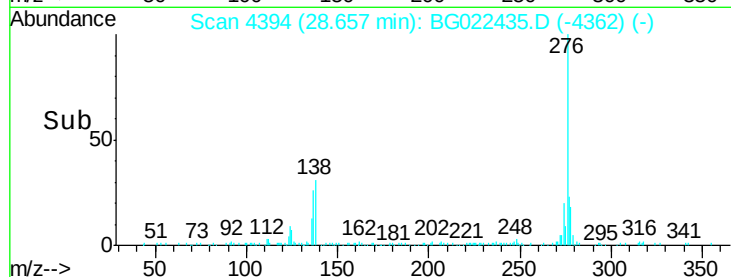
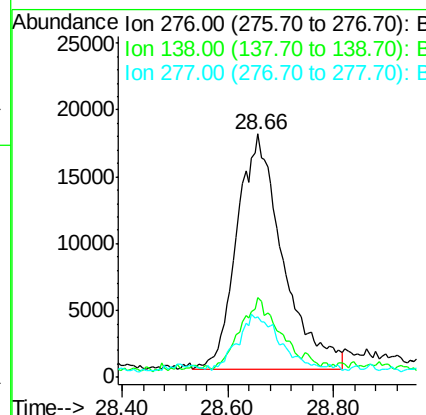
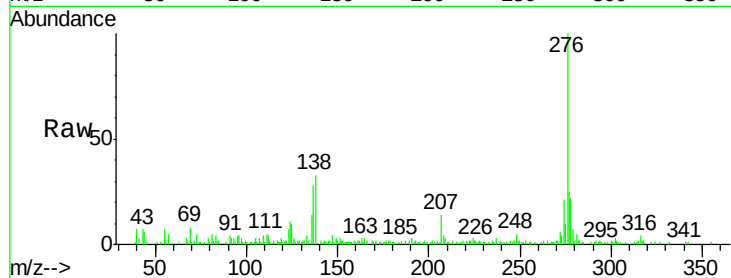
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.85 ng
 RT: 28.66 min Scan# 4394
 Delta R.T. -0.11 min
 Lab File: BG022435.D
 Acq: 18 Jun 2016 22:38

Instrument :
 BNA_G
 ClientSampleId :
 STA-1120-(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.1	14.0	21.0#
277	21.5	20.6	30.8

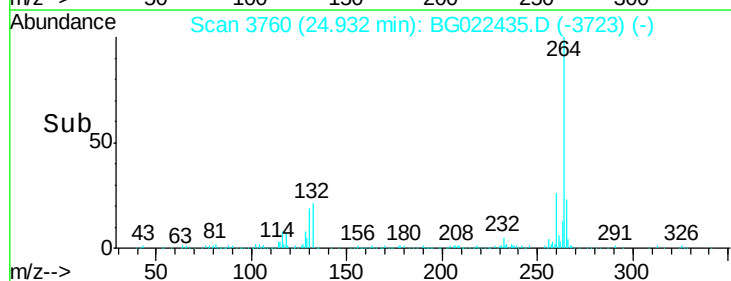
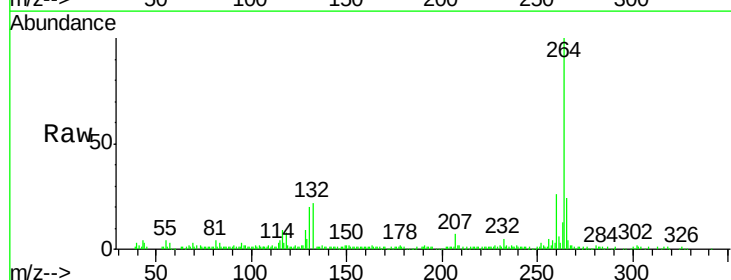
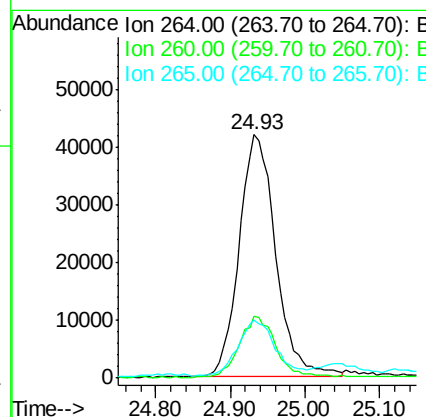
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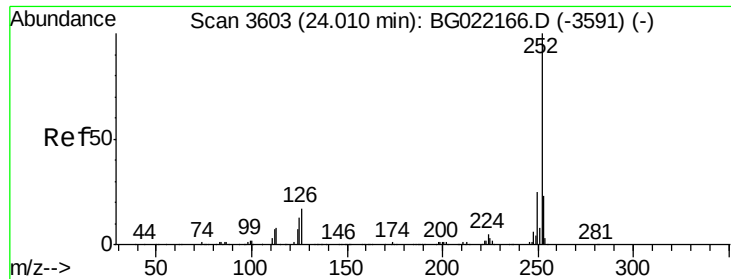
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 24.93 min Scan# 3760
 Delta R.T. -0.08 min
 Lab File: BG022435.D
 Acq: 18 Jun 2016 22:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.2	30.4
265	23.7	17.8	26.8





#87

Benzo(b)fluoranthene

Concen: 35.42 ng m

RT: 23.90 min Scan# 3585

Delta R.T. -0.06 min

Lab File: BG022435.D

Acq: 18 Jun 2016 22:38

Instrument :

BNA_G

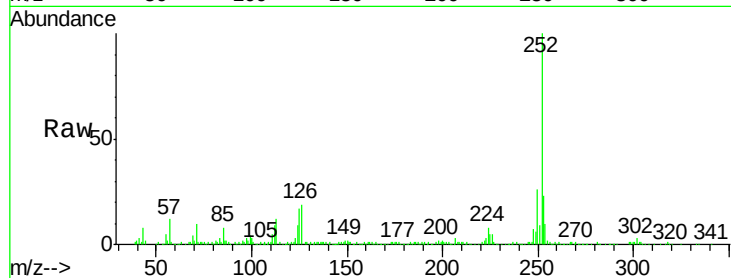
ClientSampled :

STA-1120-(0-4)

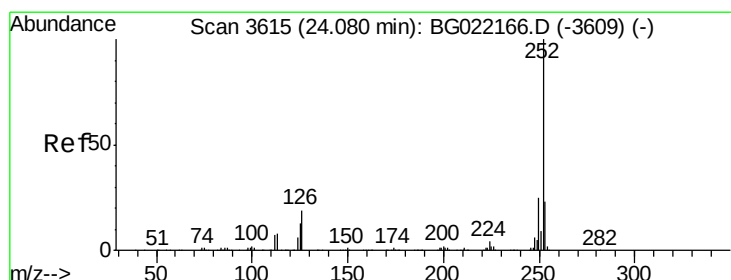
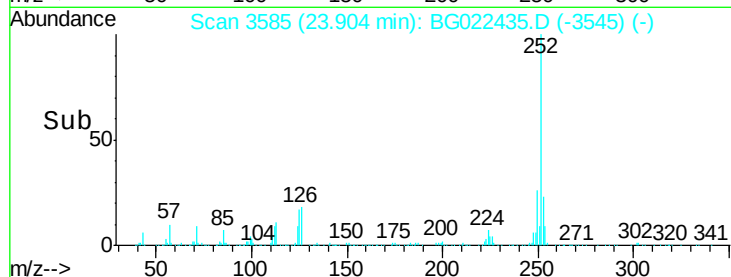
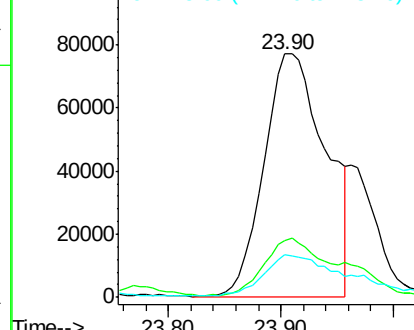
Tot Ion	Ratio	Resp	Lower	Upper
252	100	295663		
253	23.3	17.5	26.3	
125	17.4	8.6	13.0	

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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



#88

Benzo(k)fluoranthene

Concen: 9.28 ng m

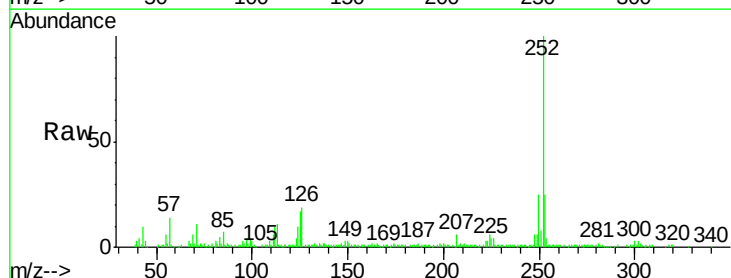
RT: 23.96 min Scan# 3595

Delta R.T. -0.08 min

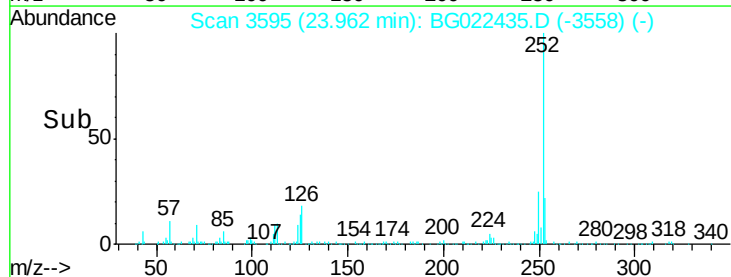
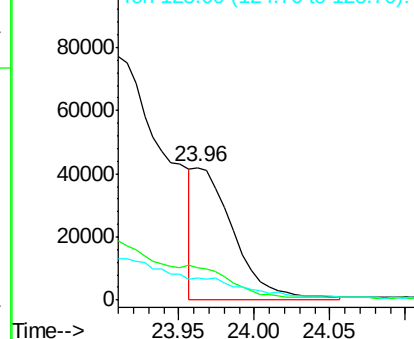
Lab File: BG022435.D

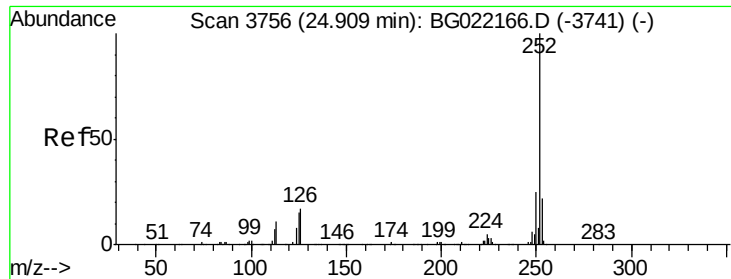
Acq: 18 Jun 2016 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	76278		
253	24.8	17.8	26.8	
125	16.8	8.3	12.5	



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





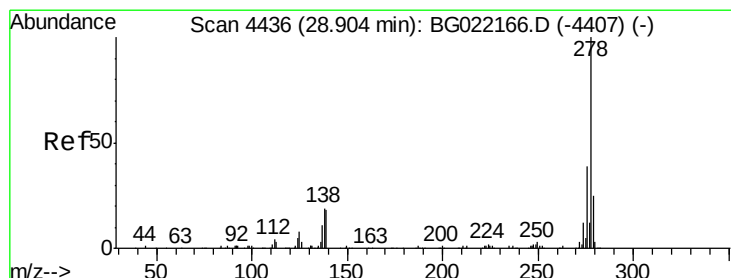
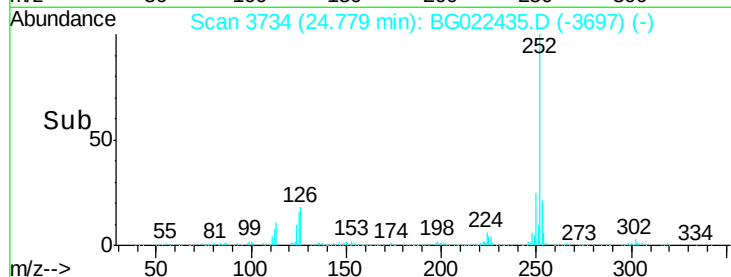
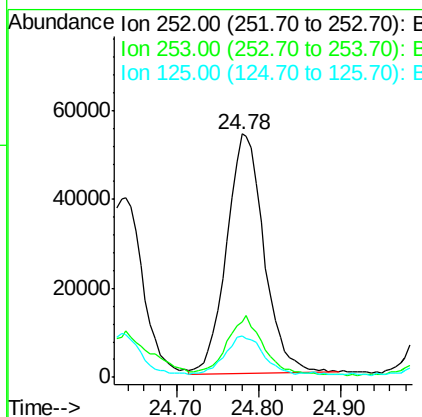
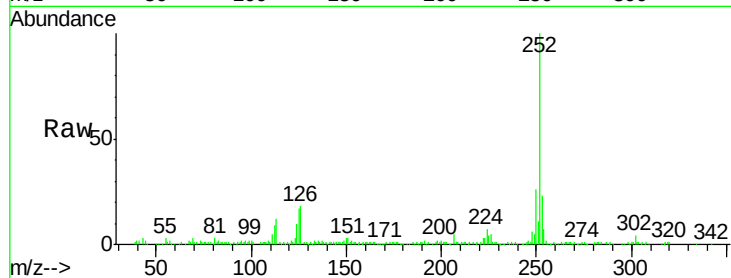
#89
Benzo(a)pyrene
Concen: 21.41 ng
RT: 24.78 min Scan# 3734
Delta R.T. -0.08 min
Lab File: BG022435.D
Acq: 18 Jun 2016 22:38

Instrument :
BNA_G
ClientSampleId :
STA-1120-(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	16.9	9.6	14.4

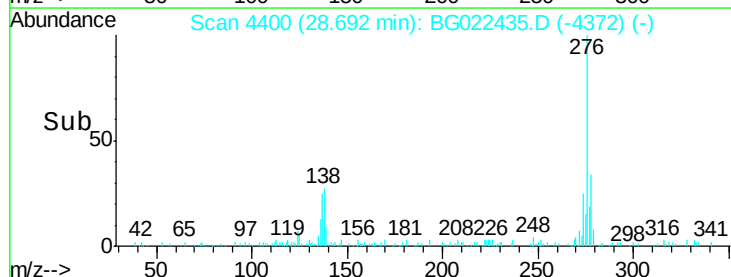
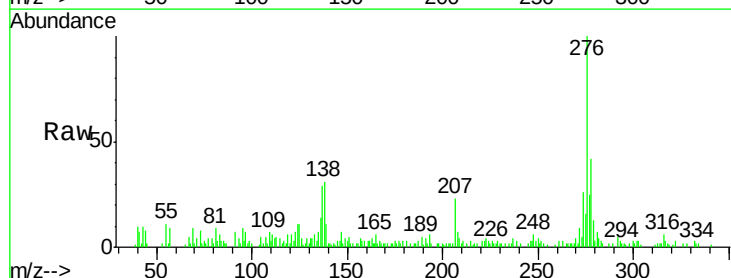
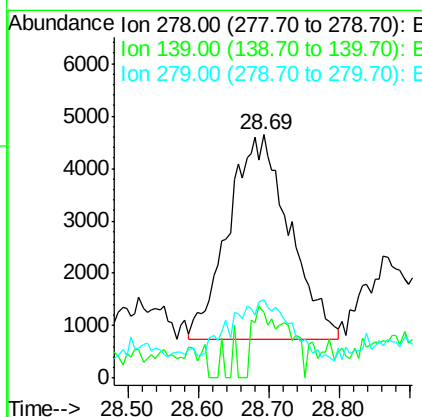
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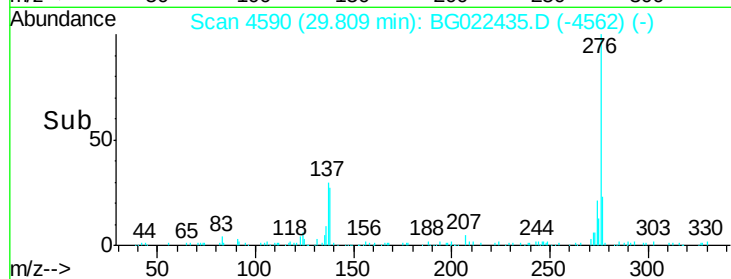
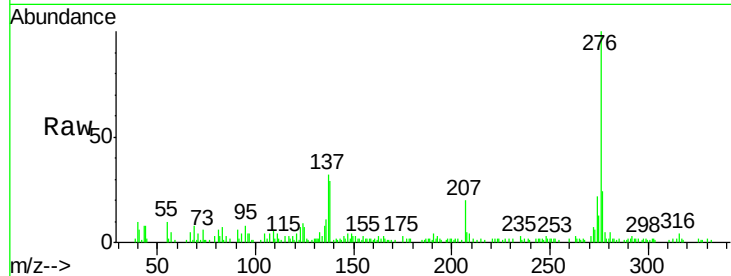
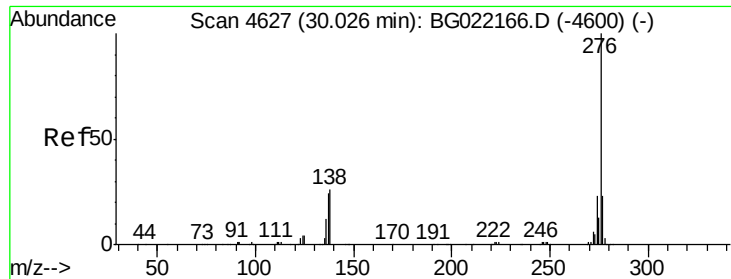
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#90
Dibenzo(a,h)anthracene
Concen: 3.13 ng
RT: 28.69 min Scan# 4400
Delta R.T. -0.13 min
Lab File: BG022435.D
Acq: 18 Jun 2016 22:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.8	11.9	17.9
279	32.2	18.2	27.2





#91
 Benzo(a,h,i)perylene
 Concen: 11.19 ng
 RT: 29.81 min Scan# 4590
 Delta R.T. -0.13 min
 Lab File: BG022435.D
 Acq: 18 Jun 2016 22:38

Instrument :
 BNA_G
 ClientSampleId :
 STA-1120-(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.4	29.2
138	28.6	17.4	26.0

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