

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062116\
 Data File : BG022499.D
 Acq On : 22 Jun 2016 14:49
 Operator : UM/SJ
 Sample : H3514-01RE
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S5-B1(0-5)CRE

Quant Time: Jun 22 16:06:57 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 01:27:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	40036	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	188055	20.00	ng	0.00
38) Acenaphthene-d10	14.63	164	96135	20.00	ng	0.00
63) Phenanthrene-d10	17.38	188	171453	20.00	ng	0.00
75) Chrysene-d12	21.64	240	130448	20.00	ng	0.00
86) Perylene-d12	24.85	264	113932	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	382251	184.60	ng	-0.01
7) Phenol-d6	7.17	99	535629	164.52	ng	-0.02
23) Nitrobenzene-d5	9.16	82	279896	103.77	ng	0.00
41) 2,4,6-Tribromophenol	16.13	330	113136	104.15	ng	0.00
44) 2-Fluorobiphenyl	13.25	172	653366	103.57	ng	0.00
78) Terphenyl-d14	19.98	244	558886	101.71	ng	0.00

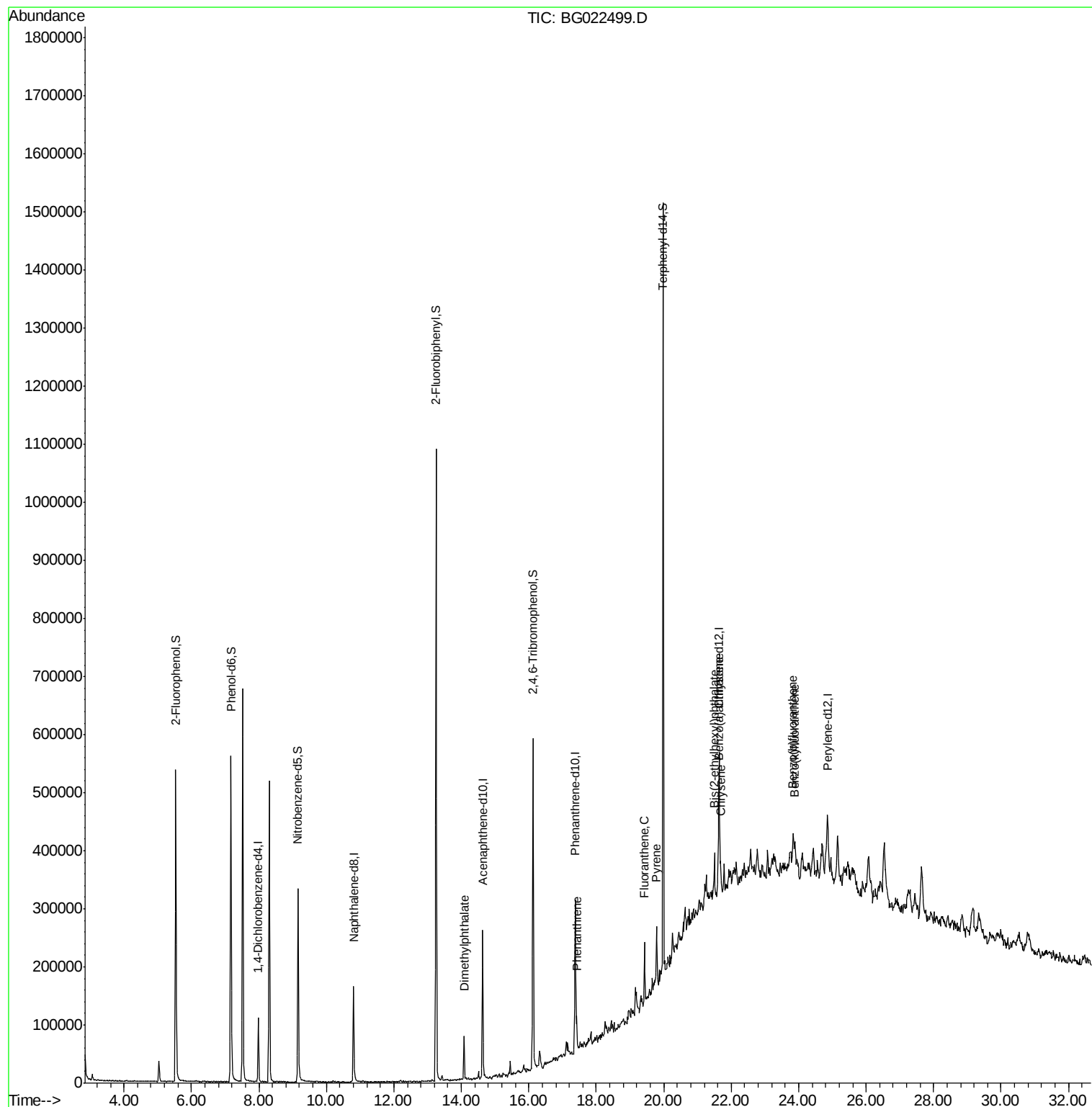
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	14.08	163	58161	7.30	ng	99
70) Phenanthrene	17.42	178	33800	3.63	ng	98
74) Fluoranthene	19.43	202	64982	6.07	ng	94
77) Pyrene	19.79	202	60881	7.51	ng	97
80) Benzo(a)anthracene	21.62	228	30916	4.23	ng	# 91
82) Chrysene	21.69	228	33937	4.77	ng	# 90
83) Bis(2-ethylhexyl)phthalate	21.50	149	37052	6.70	ng	99
87) Benzo(b)fluoranthene	23.84	252	39869	6.00	ng	# 47
88) Benzo(k)fluoranthene	23.89	252	17170m	2.62	ng	

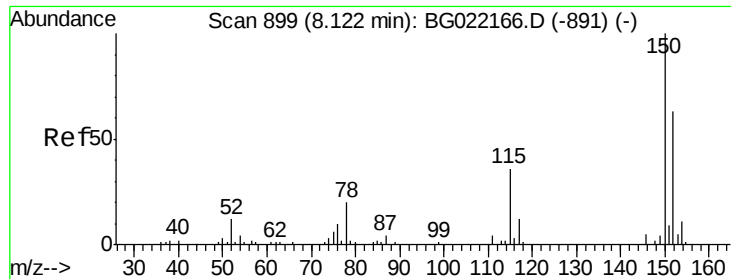
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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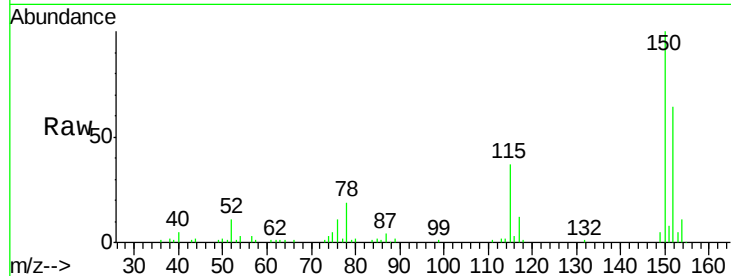


#1

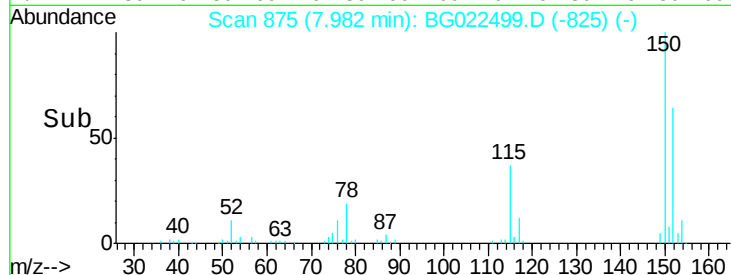
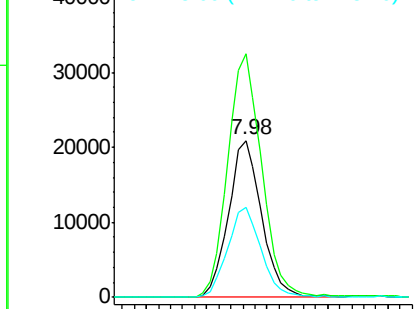
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.98 min Scan# 875
Delta R.T. -0.00 min
Lab File: BG022499.D
Acq: 22 Jun 2016 14:49

Instrument :
BNA_G
ClientSampleId :
S5-B1(0-5)CRE

Tot Ion:152 Resp: 40036
Ion Ratio Lower Upper
152 100
150 155.0 130.1 195.1
115 57.7 62.2 93.2#



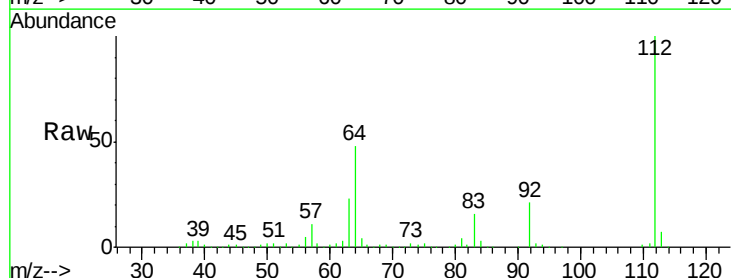
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



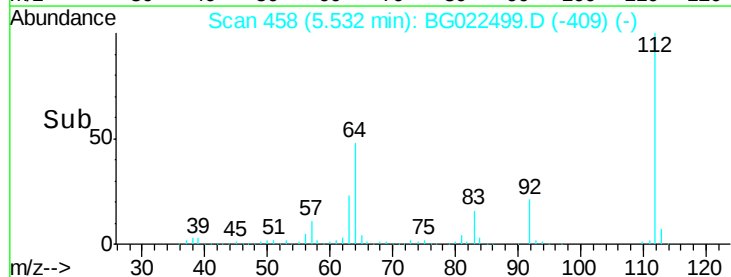
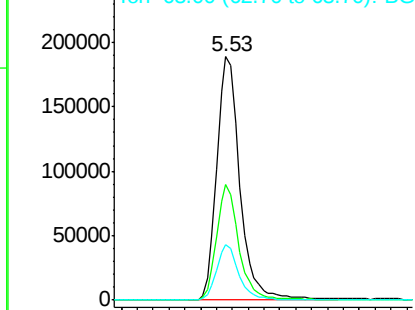
#5

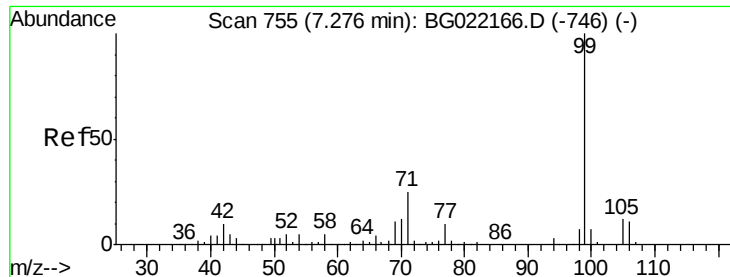
2-Fluorophenol
Concen: 184.60 ng
RT: 5.53 min Scan# 458
Delta R.T. -0.01 min
Lab File: BG022499.D
Acq: 22 Jun 2016 14:49

Tgt Ion:112 Resp: 382251
Ion Ratio Lower Upper
112 100
64 47.6 51.1 76.7#
63 22.9 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: 164.52 ng

RT: 7.17 min Scan# 736

Delta R.T. -0.02 min

Lab File: BG022499.D

Acq: 22 Jun 2016 14:49

Instrument :

BNA_G

ClientSampleId :

S5-B1(0-5)CRE

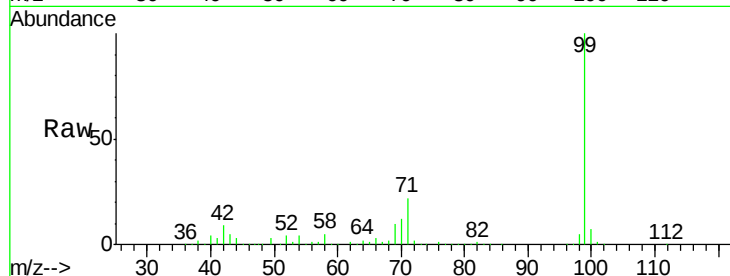
Tot Ion: 99 Resp: 535629

Ion Ratio Lower Upper

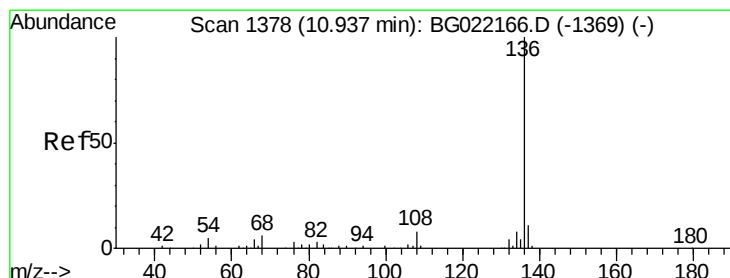
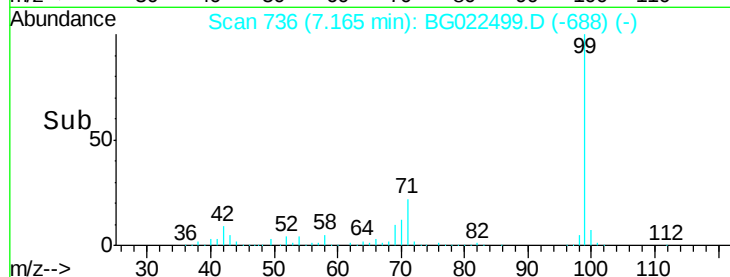
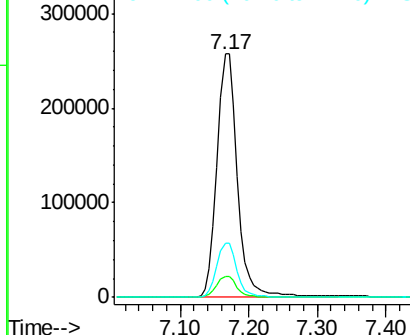
99 100

42 8.6 16.4 24.6#

71 22.4 25.0 37.4#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.80 min Scan# 1355

Delta R.T. -0.00 min

Lab File: BG022499.D

Acq: 22 Jun 2016 14:49

Tgt Ion: 136 Resp: 188055

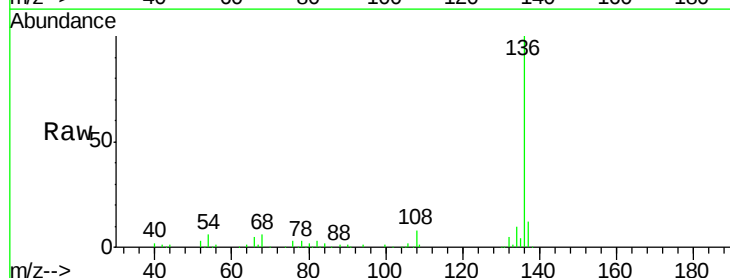
Ion Ratio Lower Upper

136 100

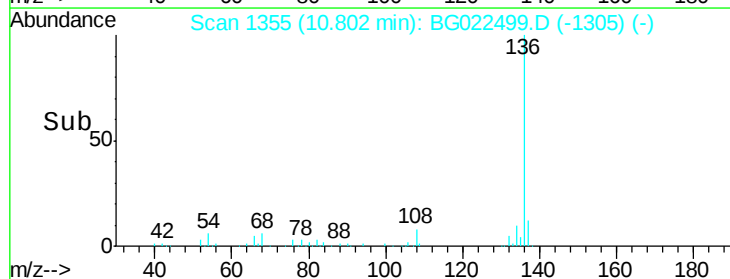
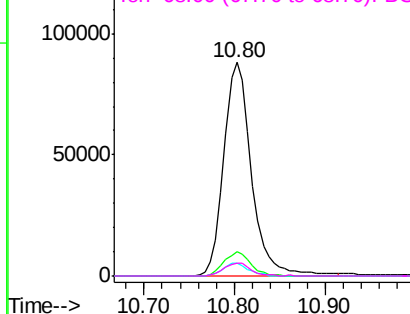
137 11.6 9.0 13.4

54 6.3 9.6 14.4#

68 6.3 6.4 9.6#



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

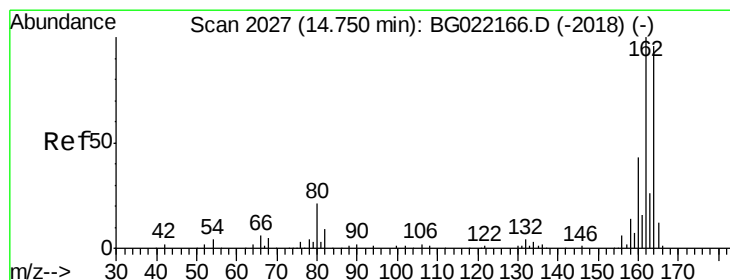
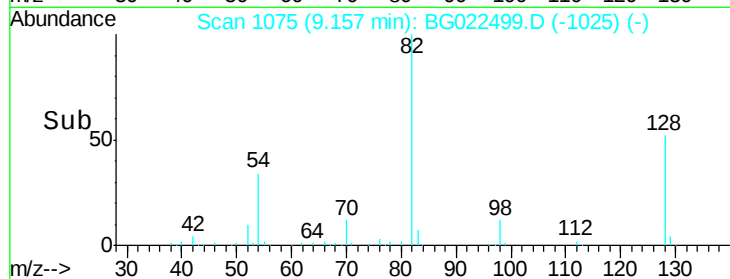
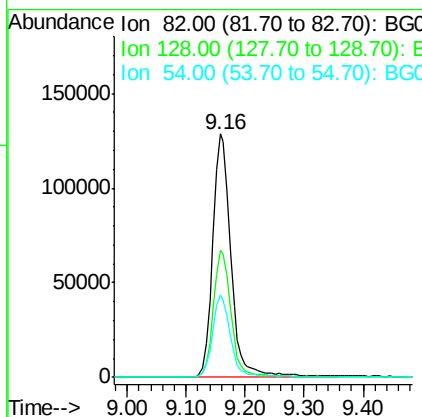
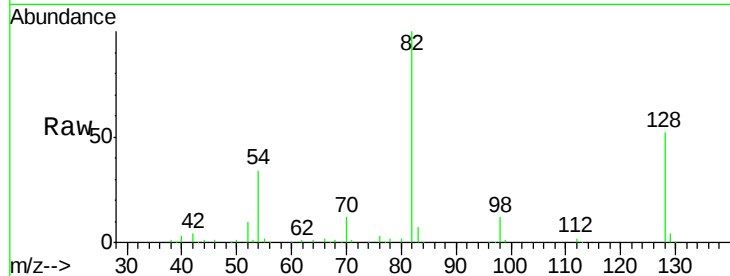




#23
 Nitrobenzene-d5
 Concen: 103.77 ng
 RT: 9.16 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: BG022499.D
 Acq: 22 Jun 2016 14:49

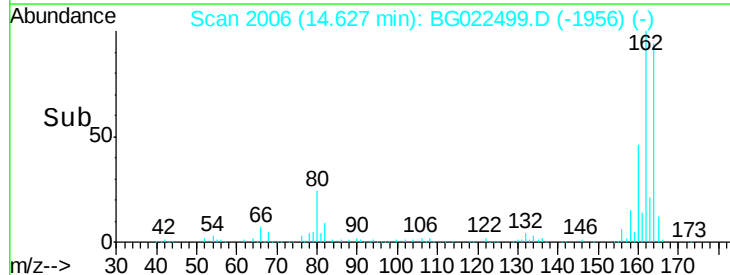
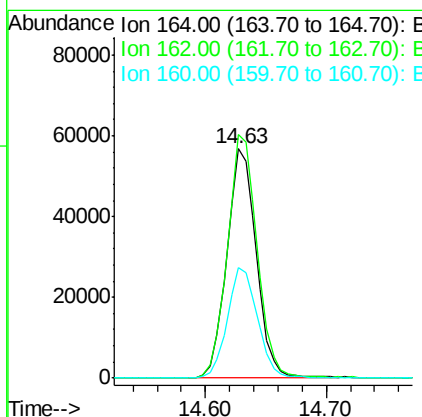
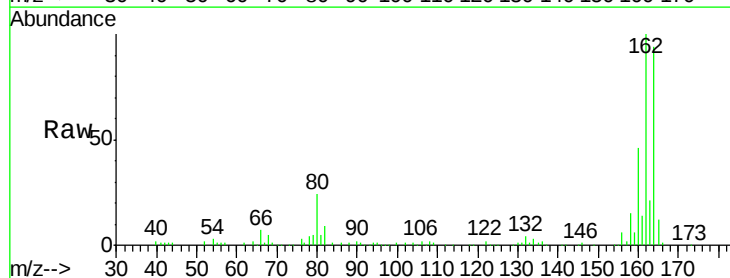
Instrument :
 BNA_G
 ClientSampleId :
 S5-B1(0-5)CRE

Tot Ion	82	Resp	279896
Ion Ratio	Lower	Upper	
82	100		
128	52.3	33.4	50.0#
54	33.9	46.1	69.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.63 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BG022499.D
 Acq: 22 Jun 2016 14:49

Tgt Ion	164	Resp	96135
Ion Ratio	Lower	Upper	
164	100		
162	106.2	78.0	117.0
160	48.4	32.9	49.3

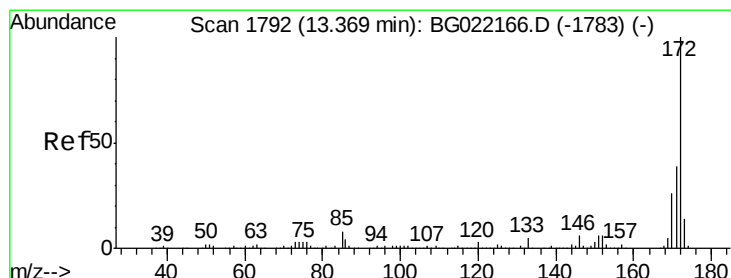
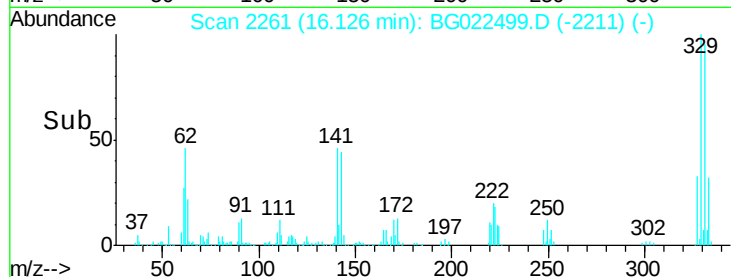
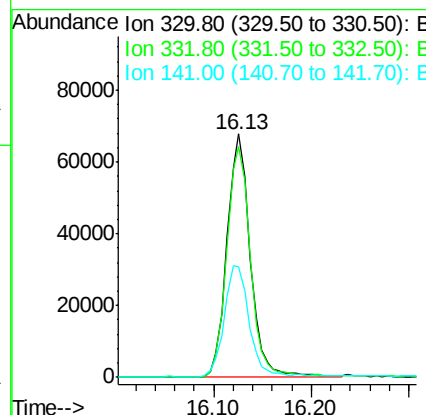
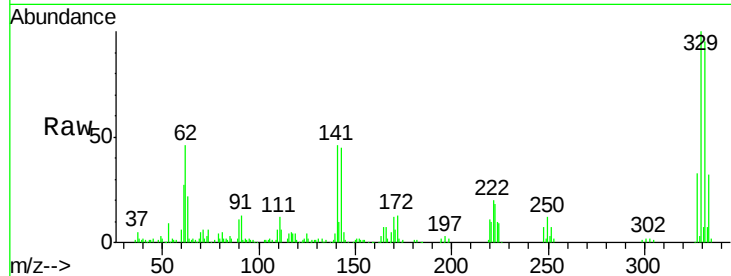




#41
 2,4,6-Tribromophenol
 Concen: 104.15 ng
 RT: 16.13 min Scan# 2261
 Delta R.T. -0.00 min
 Lab File: BG022499.D
 Acq: 22 Jun 2016 14:49

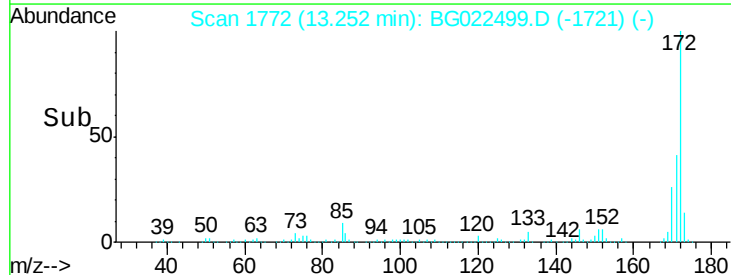
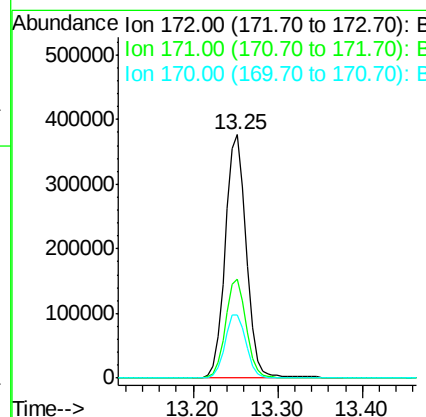
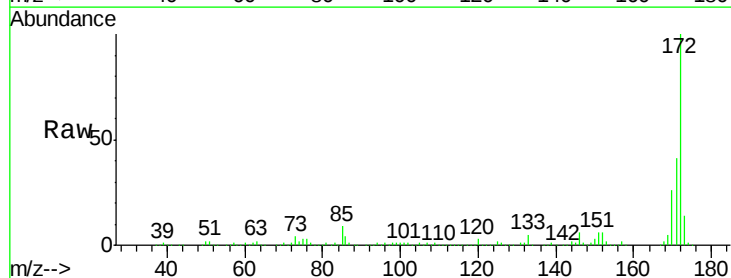
Instrument :
 BNA_G
 ClientSampleId :
 S5-B1(0-5)CRE

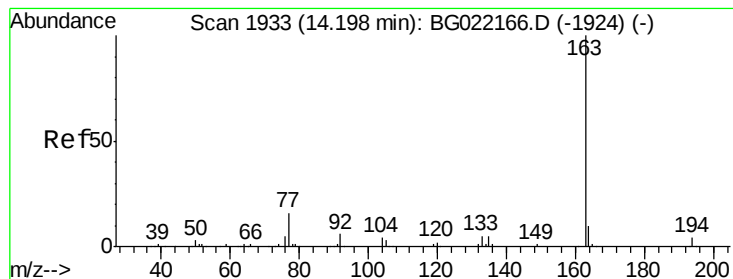
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.0	117.0
141	47.8	33.8	50.8



#44
 2-Fluorobiphenyl
 Concen: 103.57 ng
 RT: 13.25 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BG022499.D
 Acq: 22 Jun 2016 14:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.5	27.8	41.6
170	26.1	19.6	29.4





#49

Dimethylphthalate

Concen: 7.30 ng

RT: 14.08 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BG022499.D

Acq: 22 Jun 2016 14:49

Instrument :

BNA_G

ClientSampleId :

S5-B1(0-5)CRE

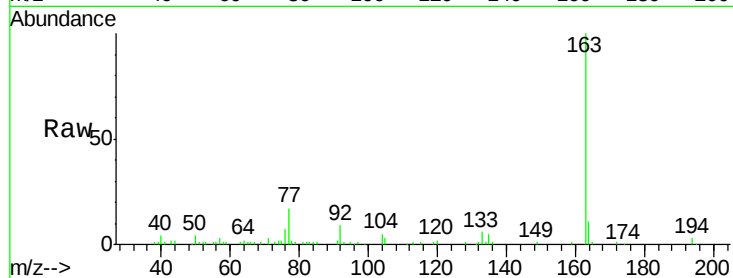
Tot Ion:163 Resp: 58161

Ion Ratio Lower Upper

163 100

194 3.2 3.0 4.6

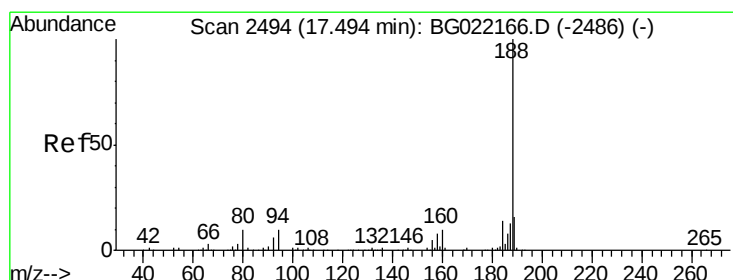
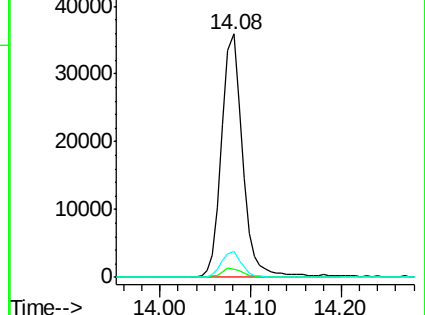
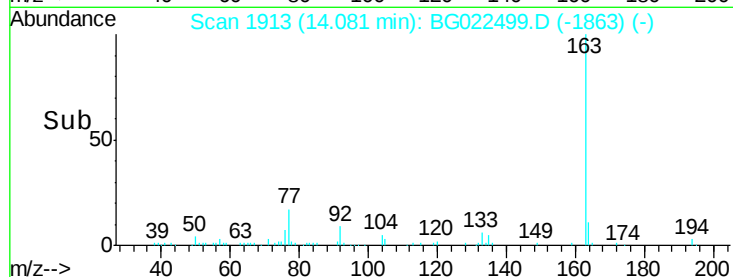
164 10.6 8.1 12.1



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: 17.38 min Scan# 2474

Delta R.T. -0.00 min

Lab File: BG022499.D

Acq: 22 Jun 2016 14:49

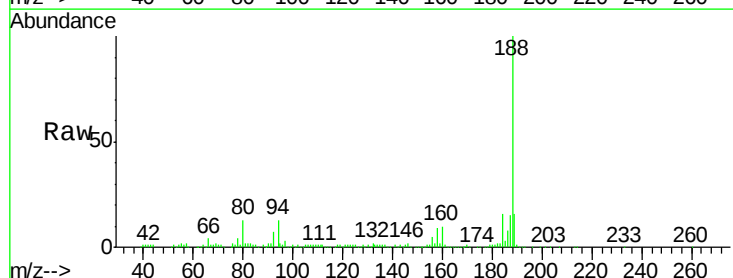
Tgt Ion:188 Resp: 171453

Ion Ratio Lower Upper

188 100

94 12.6 7.5 11.3#

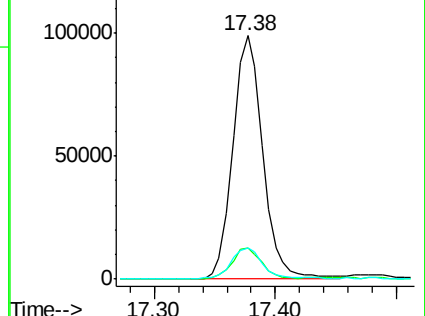
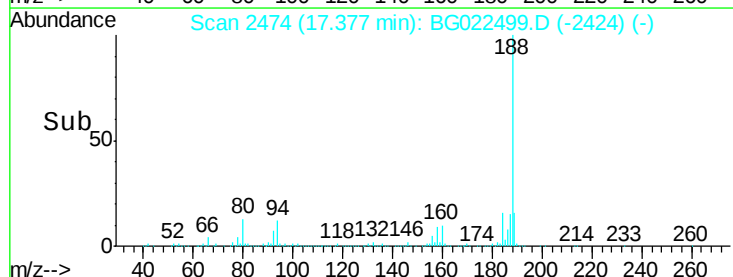
80 13.0 8.6 13.0#

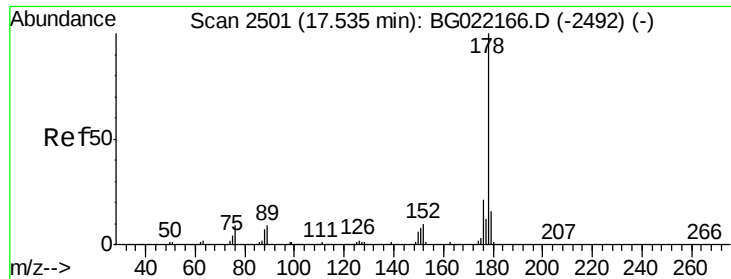


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#70

Phenanthrene

Concen: 3.63 ng

RT: 17.42 min Scan# 2481

Delta R.T. -0.00 min

Lab File: BG022499.D

Acq: 22 Jun 2016 14:49

Instrument :

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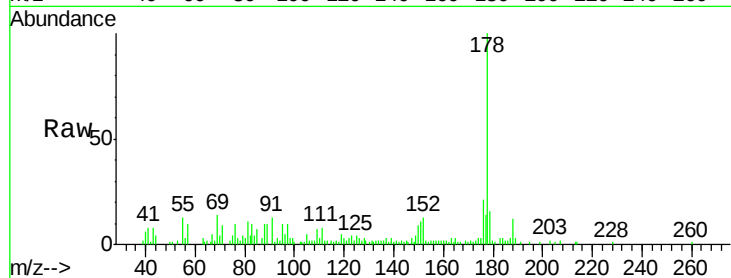
Tot Ion:178 Resp: 33800

Ion Ratio Lower Upper

178 100

176 20.7 16.2 24.4

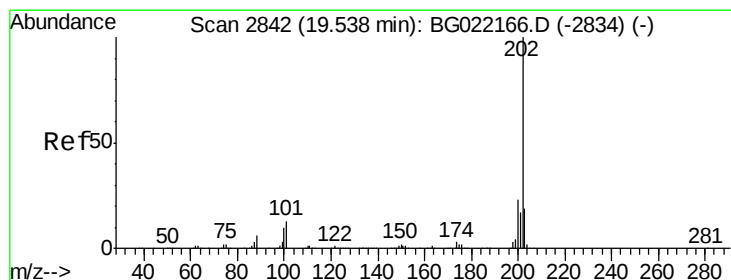
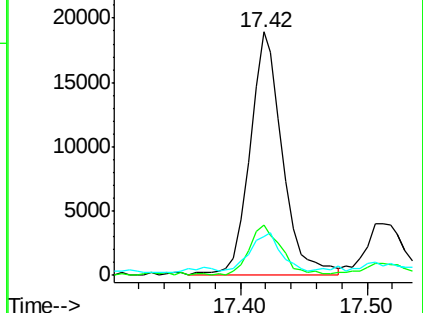
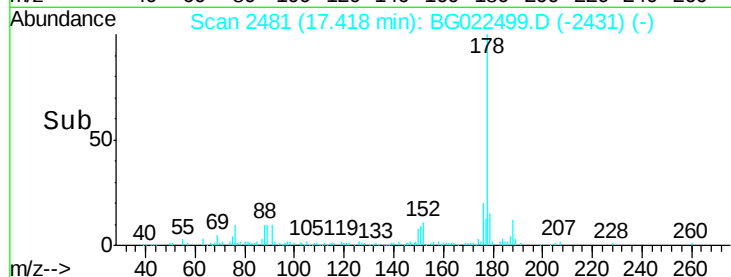
179 16.1 12.0 18.0



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: 6.07 ng

RT: 19.43 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BG022499.D

Acq: 22 Jun 2016 14:49

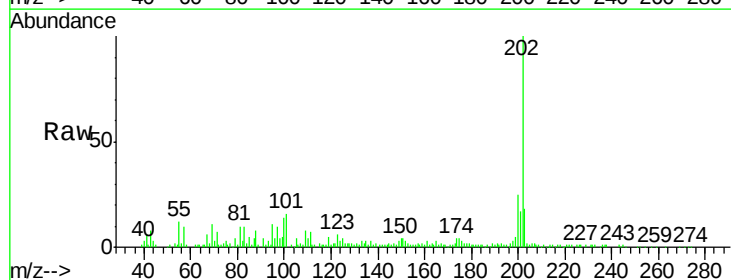
Tgt Ion:202 Resp: 64982

Ion Ratio Lower Upper

202 100

101 16.4 0.0 31.0

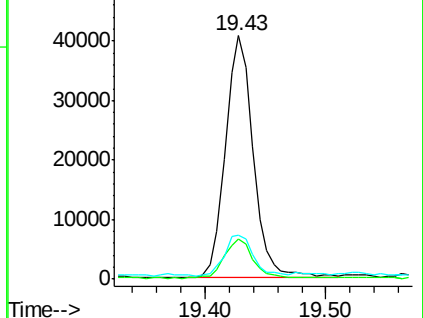
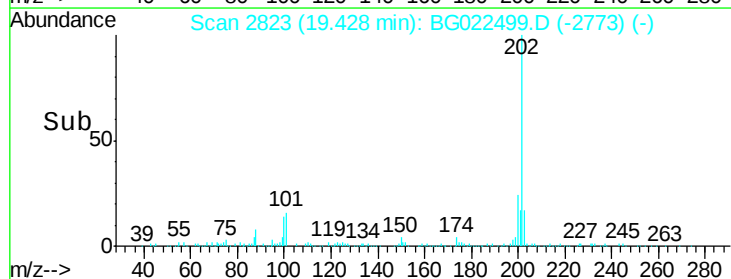
203 18.1 0.0 37.9

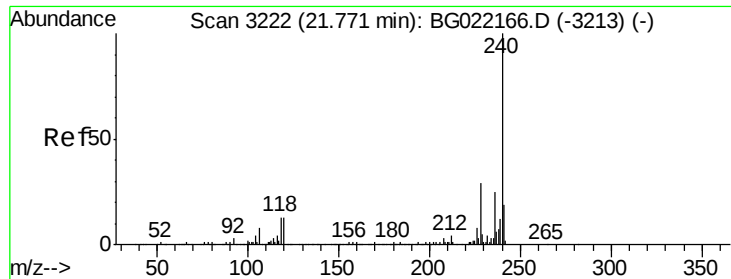


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.64 min Scan# 3200

Delta R.T. 0.00 min

Lab File: BG022499.D

Acq: 22 Jun 2016 14:49

Instrument :

BNA_G

ClientSampleId :

S5-B1(0-5)CRE

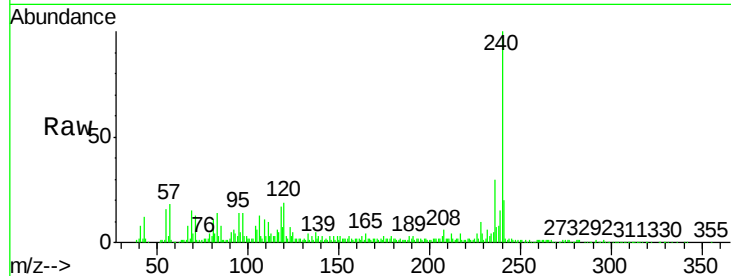
Tot Ion:240 Resp: 130448

Ion Ratio Lower Upper

240 100

120 18.6 8.4 12.6#

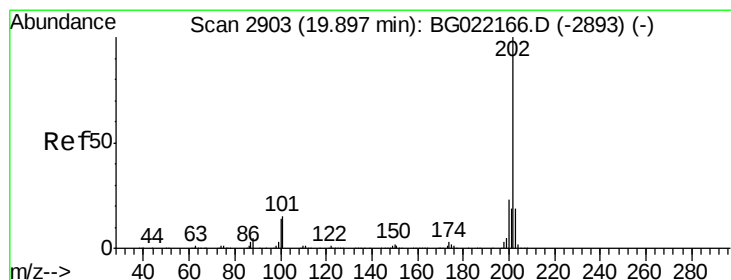
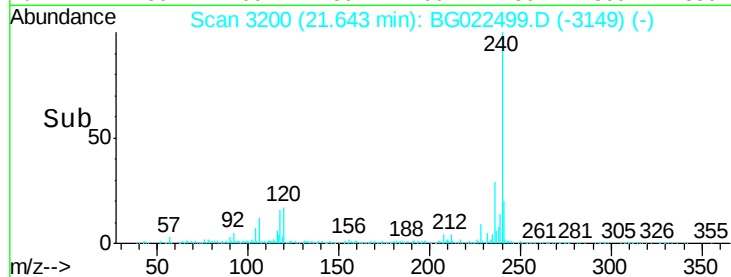
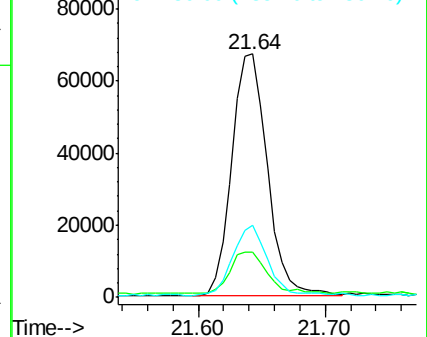
236 29.5 19.6 29.4#



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

Pyrene

Concen: 7.51 ng

RT: 19.79 min Scan# 2885

Delta R.T. 0.00 min

Lab File: BG022499.D

Acq: 22 Jun 2016 14:49

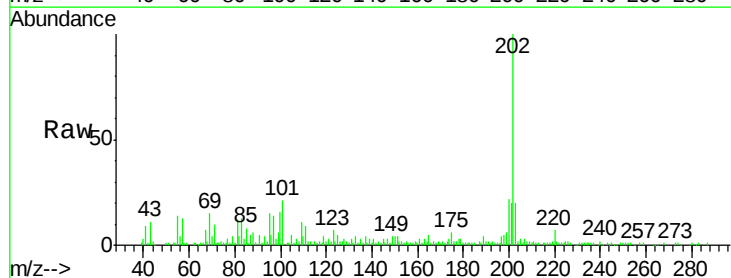
Tgt Ion:202 Resp: 60881

Ion Ratio Lower Upper

202 100

200 22.1 18.2 27.2

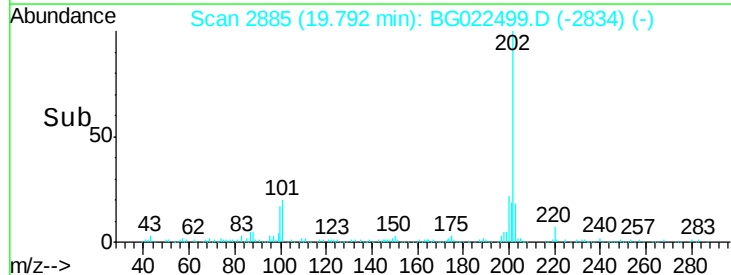
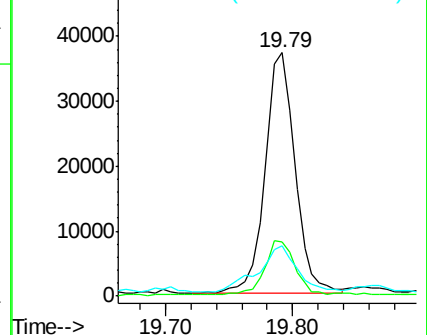
203 20.5 15.0 22.4

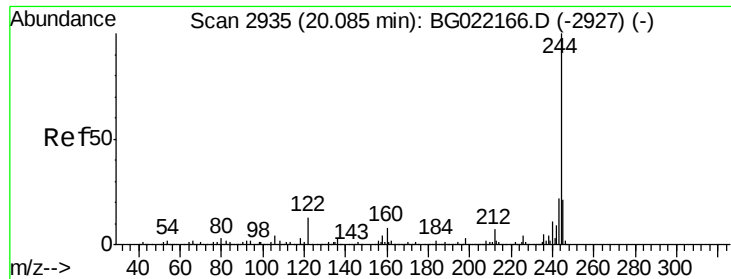


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 101.71 ng

RT: 19.98 min Scan# 2917

Delta R.T. 0.00 min

Lab File: BG022499.D

Acq: 22 Jun 2016 14:49

Instrument :

BNA_G

ClientSampleId :

S5-B1(0-5)CRE

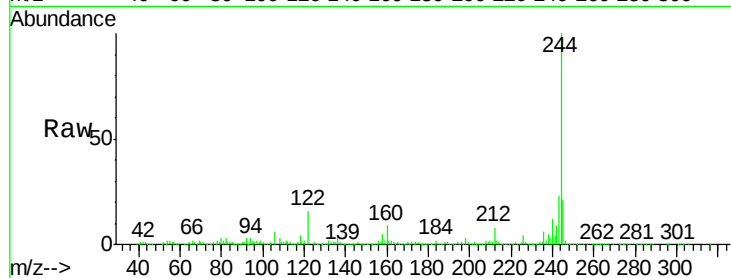
Tot Ion:244 Resp: 558886

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

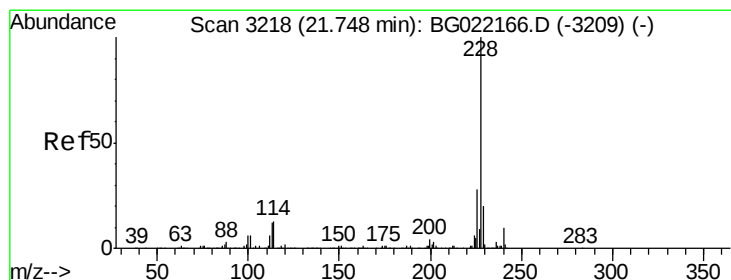
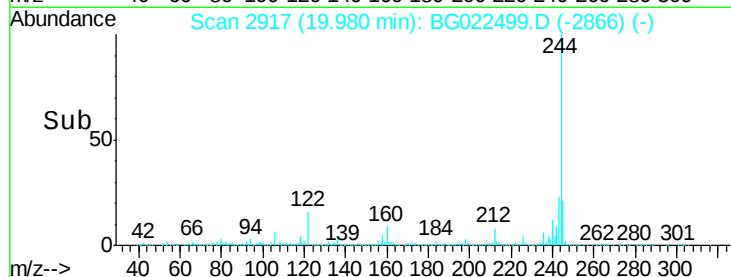
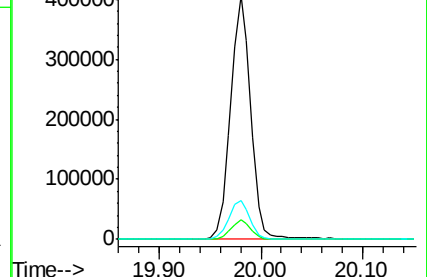
122 16.2 8.6 12.8#



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: 4.23 ng

RT: 21.62 min Scan# 3196

Delta R.T. 0.00 min

Lab File: BG022499.D

Acq: 22 Jun 2016 14:49

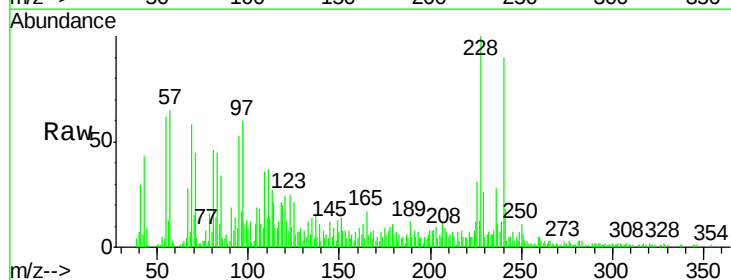
Tgt Ion:228 Resp: 30916

Ion Ratio Lower Upper

228 100

226 31.4 22.6 34.0

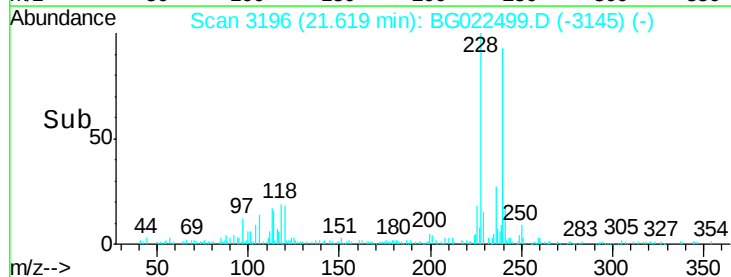
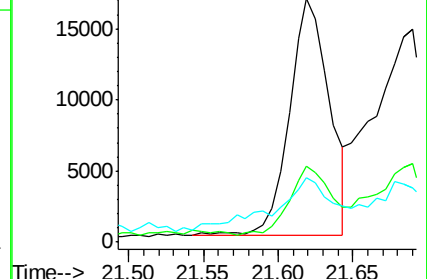
229 26.3 16.1 24.1#

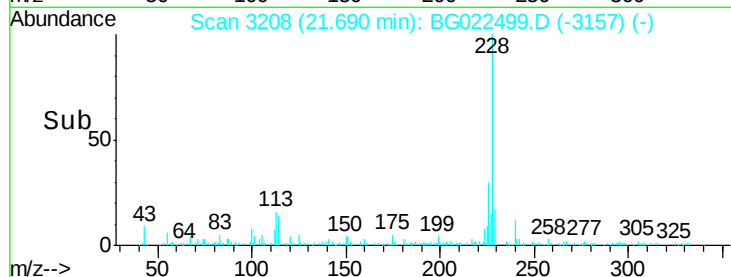
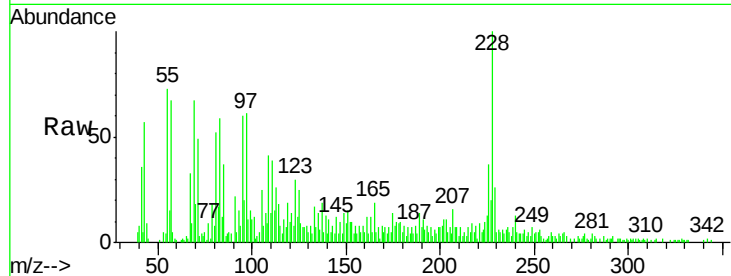
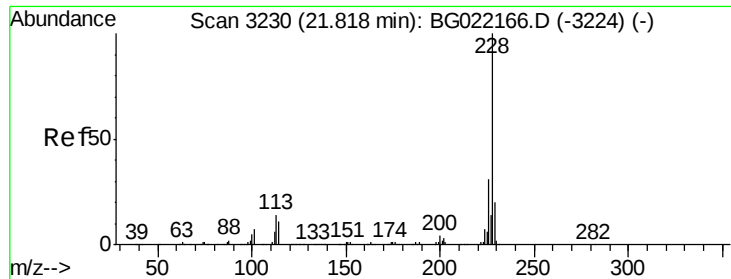


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.77 ng

RT: 21.69 min Scan# 3208

Delta R.T. 0.00 min

Lab File: BG022499.D

Acq: 22 Jun 2016 14:49

Instrument :

BNA_G

ClientSampleId :

S5-B1(0-5)CRE

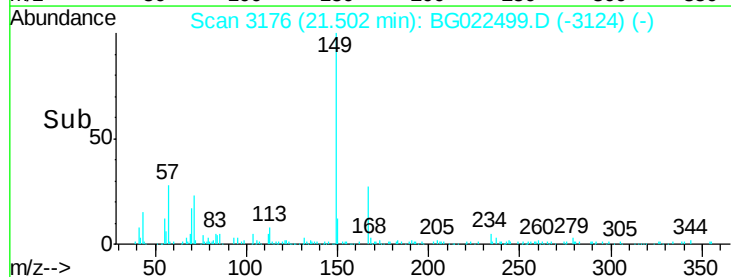
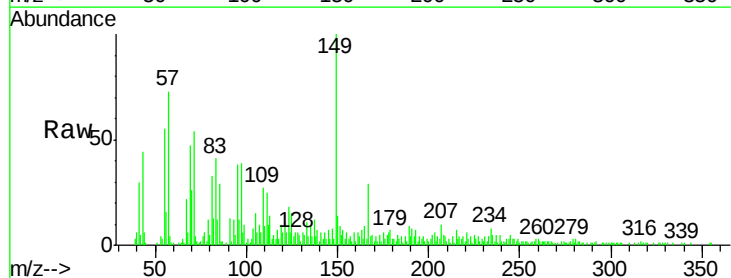
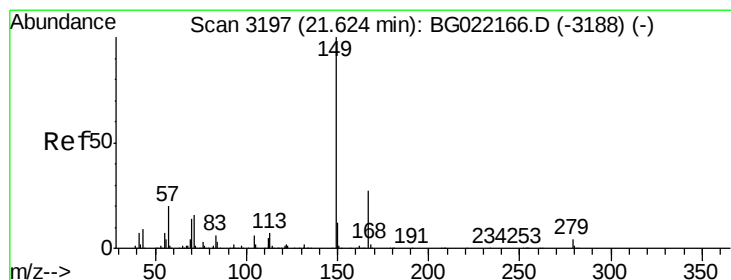
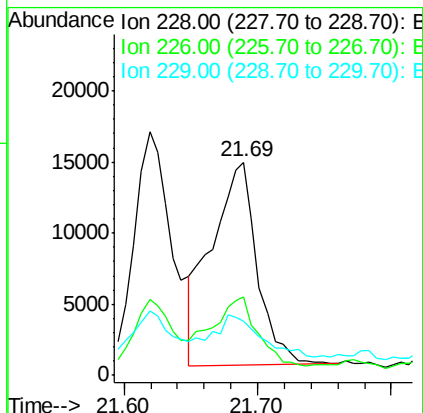
Tot Ion:228 Resp: 33937

Ion Ratio Lower Upper

228 100

226 36.6 25.4 38.0

229 25.6 15.9 23.9#



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.70 ng

RT: 21.50 min Scan# 3176

Delta R.T. 0.01 min

Lab File: BG022499.D

Acq: 22 Jun 2016 14:49

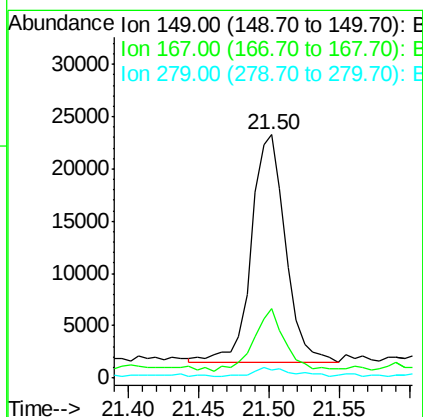
Tgt Ion:149 Resp: 37052

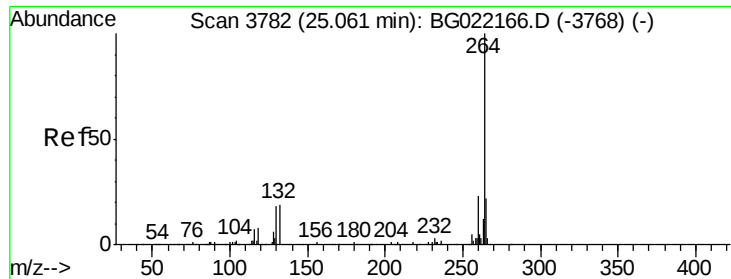
Ion Ratio Lower Upper

149 100

167 28.6 22.4 33.6

279 3.5 3.2 4.8

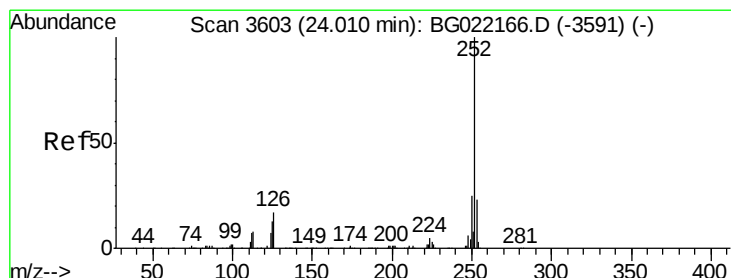
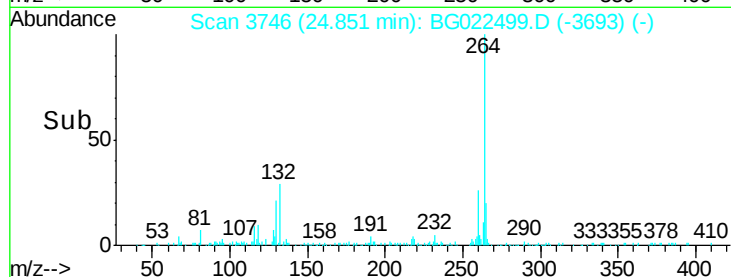
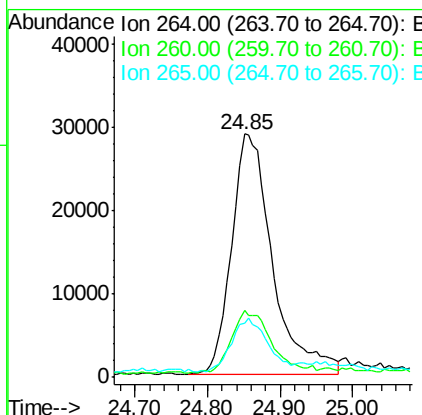
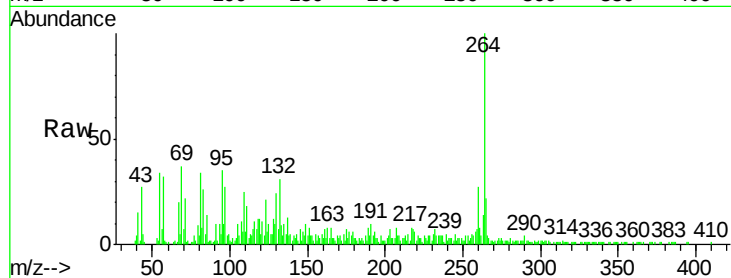




#86
Pervlene-d12
Concen: 20.00 ng
RT: 24.85 min Scan# 3746
Delta R.T. 0.01 min
Lab File: BG022499.D
Acq: 22 Jun 2016 14:49

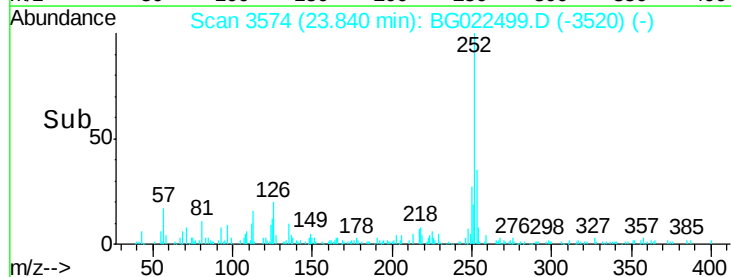
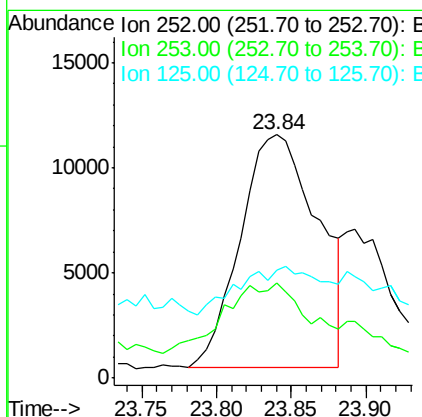
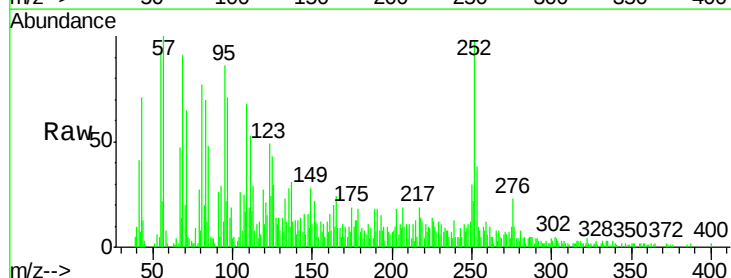
Instrument :
BNA_G
ClientSampleId :
S5-B1(0-5)CRE

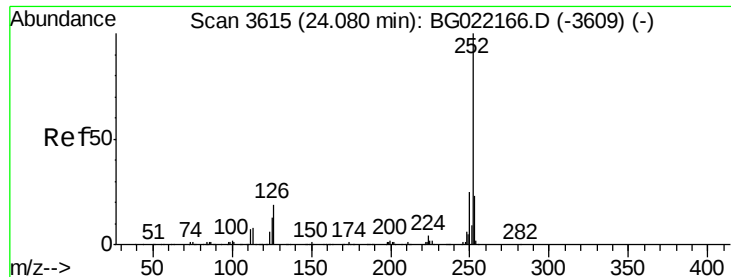
Tot Ion:264	Resp:	113932
Ion	Ratio	Lower Upper
264	100	
260	27.4	20.2 30.4
265	22.4	17.8 26.8



#87
Benzo(b)fluoranthene
Concen: 6.00 ng
RT: 23.84 min Scan# 3574
Delta R.T. 0.02 min
Lab File: BG022499.D
Acq: 22 Jun 2016 14:49

Tgt Ion:252	Resp:	39869
Ion	Ratio	Lower Upper
252	100	
253	39.0	17.5 26.3#
125	44.2	8.6 13.0#





#88

Benzo(k)fluoranthene

Concen: 2.62 ng m

RT: 23.89 min Scan# 3583

Delta R.T. 0.01 min

Lab File: BG022499.D

Acq: 22 Jun 2016 14:49

Instrument :

BNA_G

ClientSampleId :

S5-B1(0-5)CRE

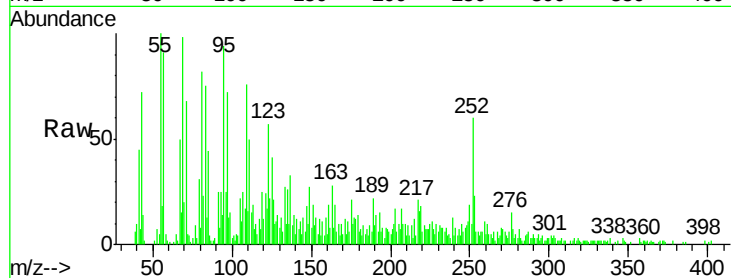
Tot Ion:252 Resp: 17170

Ion Ratio Lower Upper

252 100

253 38.5 17.8 26.8#

125 68.2 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

