

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111218\
 Data File : BG037964.D
 Acq On : 13 Nov 2018 3:58
 Operator : JU/SJ
 Sample : J5894-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2456

Quant Time: Nov 13 06:52:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	51733	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	231462	20.00	ng	-0.02
39) Acenaphthene-d10	14.72	164	153029	20.00	ng	-0.02
64) Phenanthrene-d10	17.47	188	326368	20.00	ng	-0.01
76) Chrysene-d12	21.75	240	283557	20.00	ng	-0.02
87) Perylene-d12	25.09	264	209247	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	304661	98.46	ng	-0.01
7) Phenol-d6	7.24	99	388074	82.94	ng	-0.01
23) Nitrobenzene-d5	9.27	82	334757	81.02	ng	-0.01
42) 2,4,6-Tribromophenol	16.21	330	132944	79.65	ng	-0.01
45) 2-Fluorobiphenyl	13.35	172	778232	76.69	ng	-0.02
79) Terphenyl-d14	20.07	244	1097942	82.74	ng	-0.01

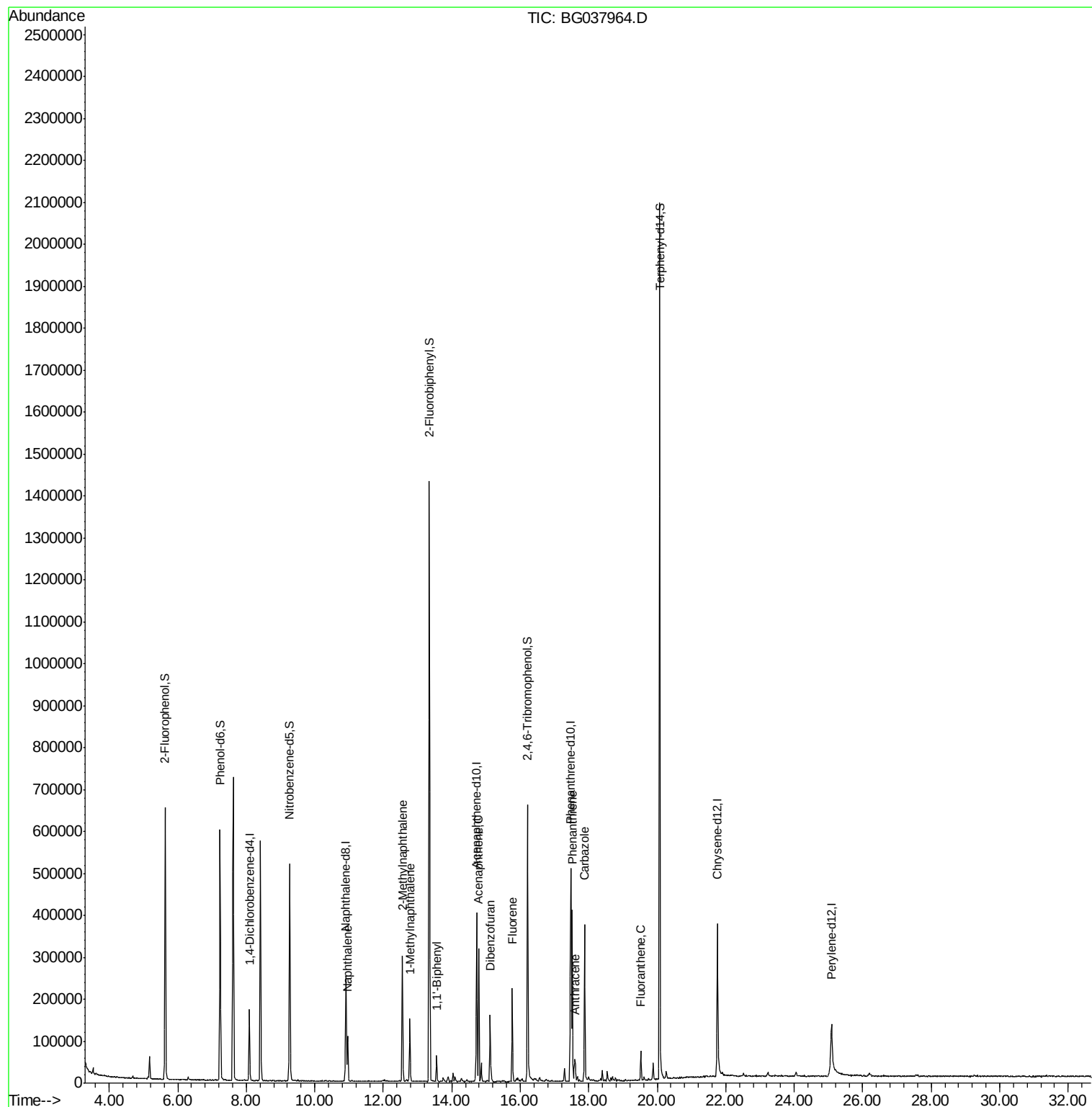
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.96	128	97043	8.536	ng	98
37) 2-Methylnaphthalene	12.56	142	154337	18.623	ng	97
38) 1-Methylnaphthalene	12.78	142	76543	9.510	ng	98
46) 1,1'-Biphenyl	13.56	154	35367	2.791	ng	93
52) Acenaphthene	14.79	154	122553	13.797	ng	96
55) Dibenzofuran	15.12	168	114810	7.801	ng	98
58) Fluorene	15.77	166	105379	9.562	ng	98
71) Phenanthrene	17.51	178	272439	16.425	ng	100
72) Anthracene	17.61	178	42950	2.639	ng	98
73) Carbazole	17.88	167	284205	17.454	ng	97
75) Fluoranthene	19.52	202	47304	2.514	ng	95

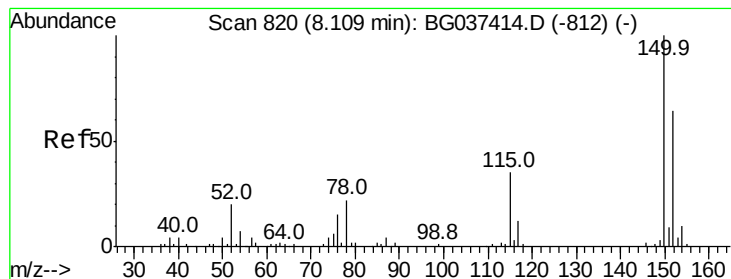
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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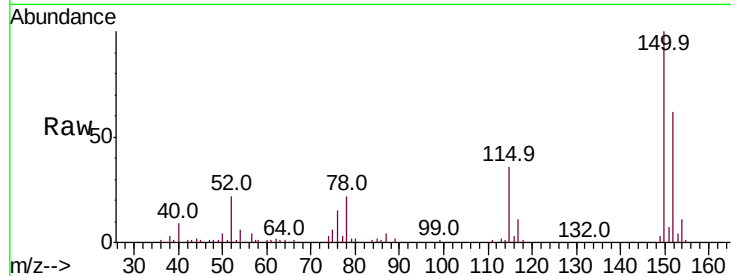


#1

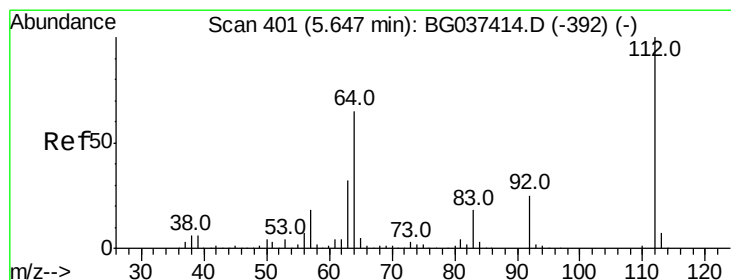
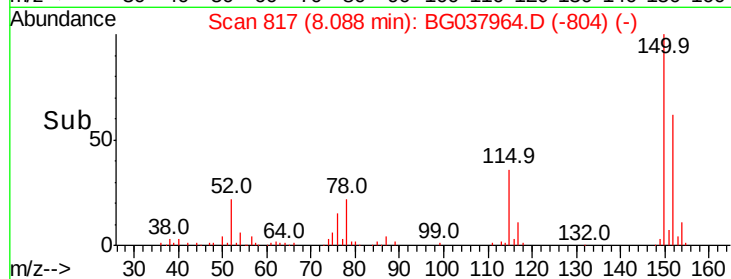
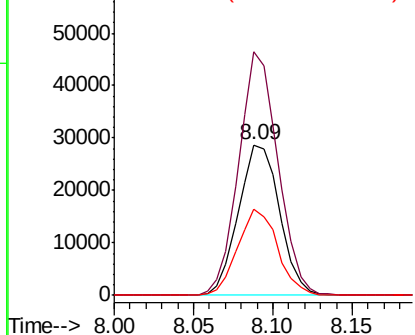
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 817
Delta R.T. -0.02 min
Lab File: BG037964.D
Acq: 13 Nov 2018 3:58

Instrument :
BNA_G
ClientSampleId :
COMP-2456

Tot Ion:152 Resp: 51733
Ion Ratio Lower Upper
152 100
150 161.5 126.0 189.0
115 57.5 45.5 68.3



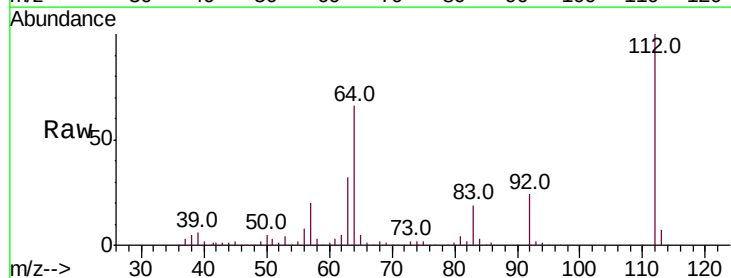
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



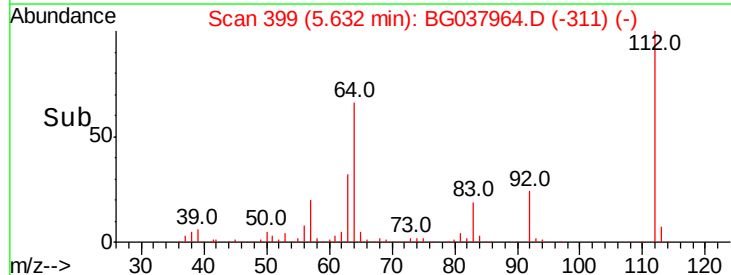
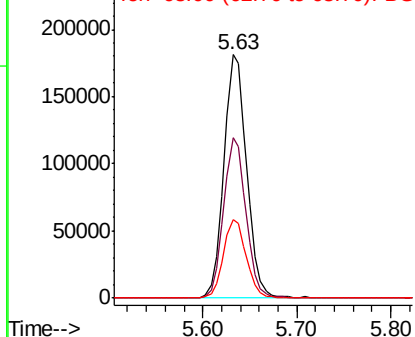
#5

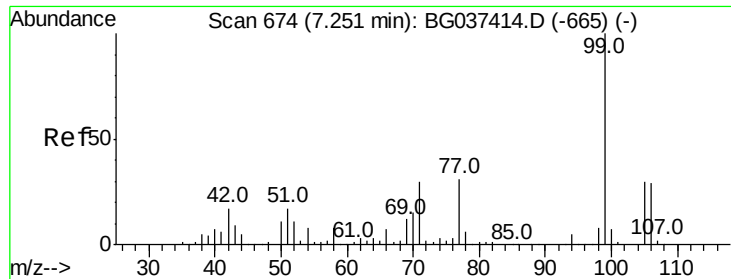
2-Fluorophenol
Concen: 98.457 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.01 min
Lab File: BG037964.D
Acq: 13 Nov 2018 3:58

Tgt Ion:112 Resp: 304661
Ion Ratio Lower Upper
112 100
64 65.6 53.1 79.7
63 32.2 27.3 40.9



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





#7

Phenol-d6

Concen: 82.939 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037964.D

Acq: 13 Nov 2018 3:58

Instrument :

BNA_G

ClientSampled :

COMP-2456

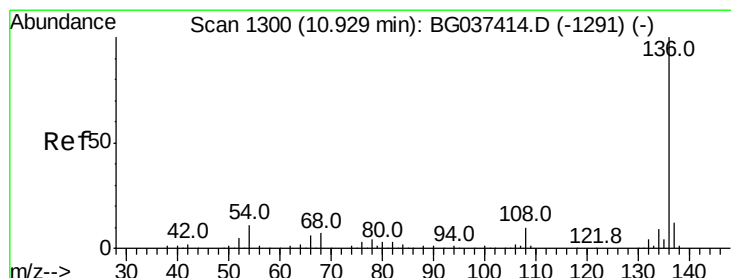
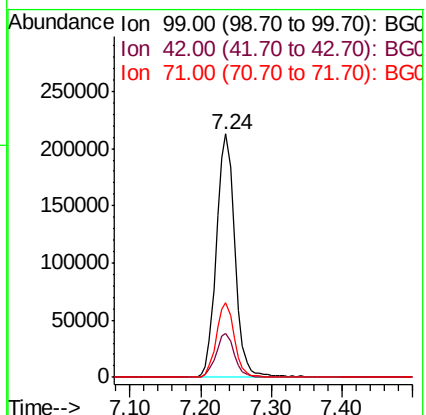
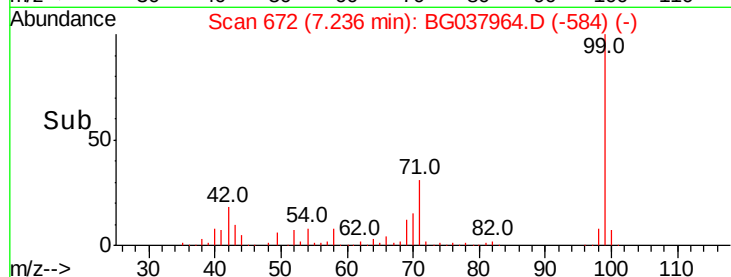
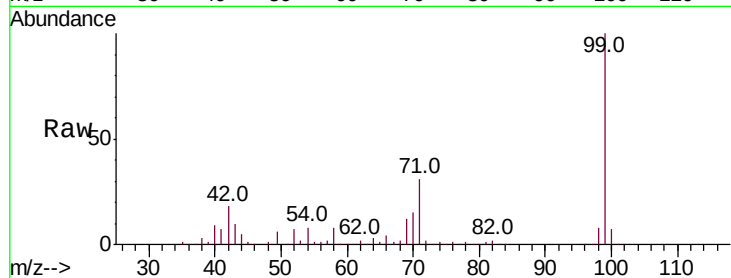
Tot Ion: 99 Resp: 388074

Ion Ratio Lower Upper

99 100

42 17.8 15.0 22.4

71 30.7 25.5 38.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BG037964.D

Acq: 13 Nov 2018 3:58

Tgt Ion: 136 Resp: 231462

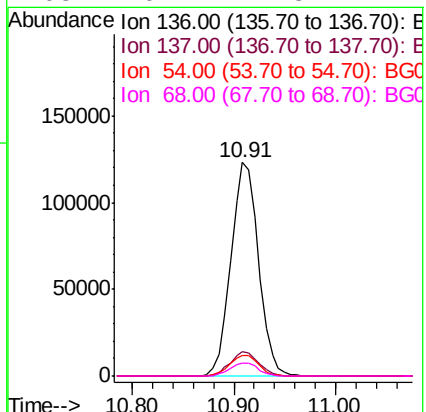
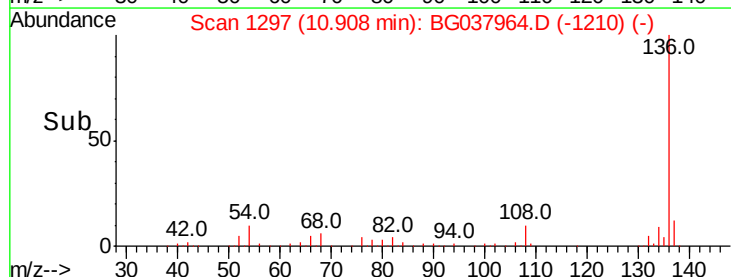
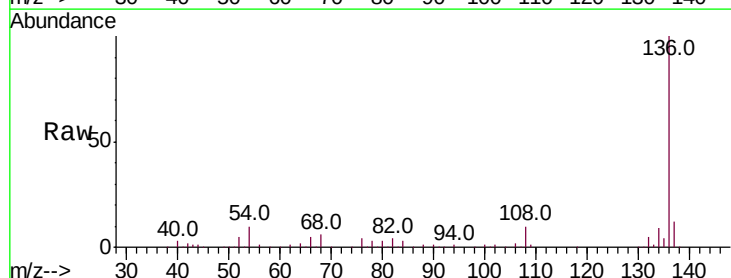
Ion Ratio Lower Upper

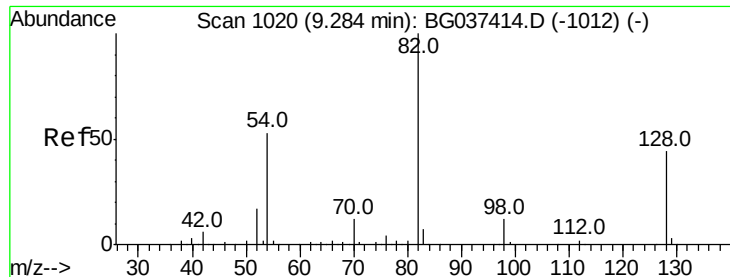
136 100

137 11.7 9.6 14.4

54 9.7 7.9 11.9

68 6.2 4.8 7.2

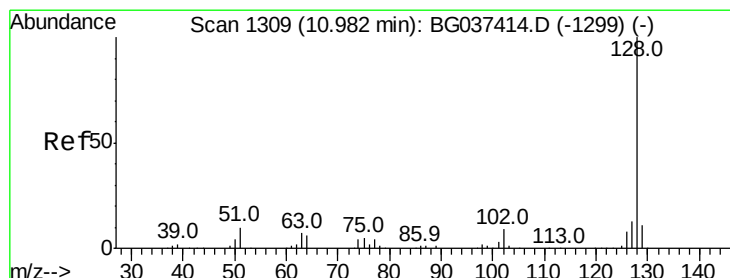
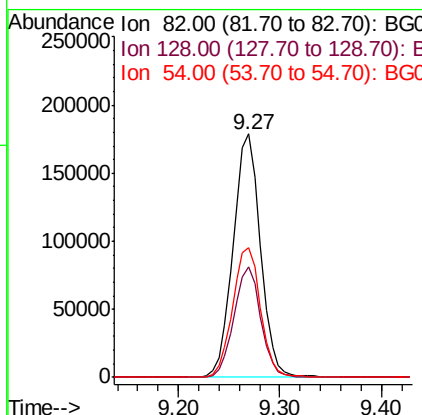
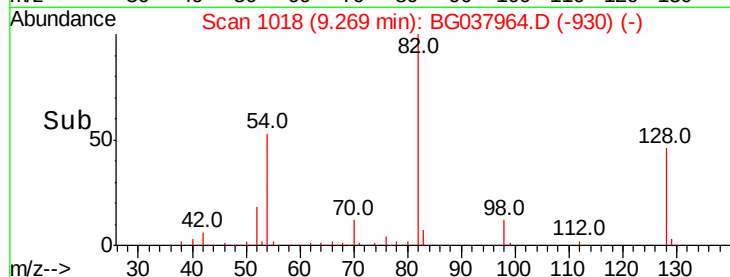
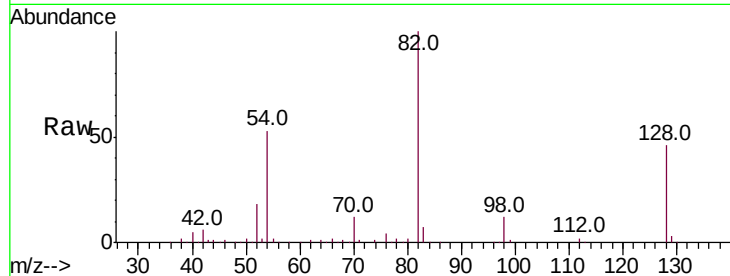




#23
Nitrobenzene-d5
Concen: 81.019 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BG037964.D
Acq: 13 Nov 2018 3:58

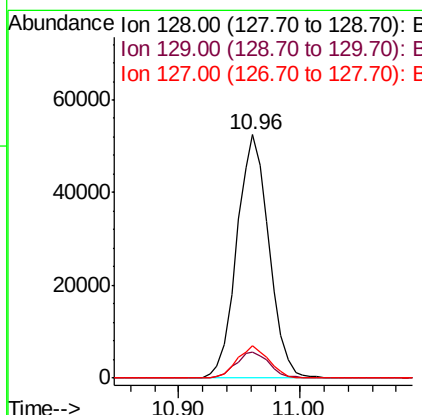
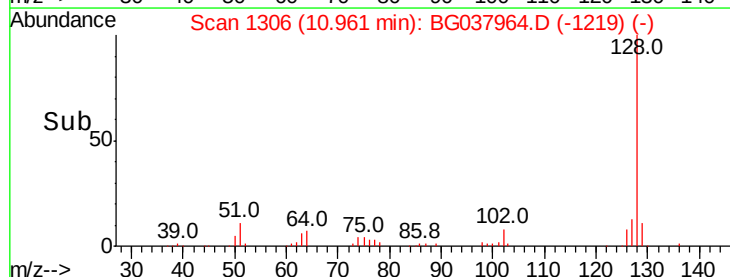
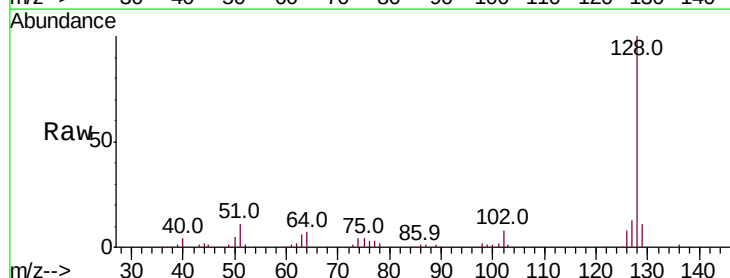
Instrument :
BNA_G
ClientSampled :
COMP-2456

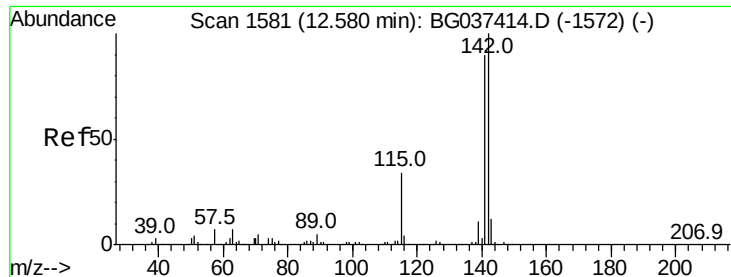
Tot Ion: 82 Resp: 334757
Ion Ratio Lower Upper
82 100
128 45.6 34.6 51.8
54 53.1 45.3 67.9



#31
Naphthalene
Concen: 8.536 ng
RT: 10.96 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BG037964.D
Acq: 13 Nov 2018 3:58

Tgt Ion: 128 Resp: 97043
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 13.1 11.1 16.7





#37

2-Methylnaphthalene

Concen: 18.623 ng

RT: 12.56 min Scan# 1578

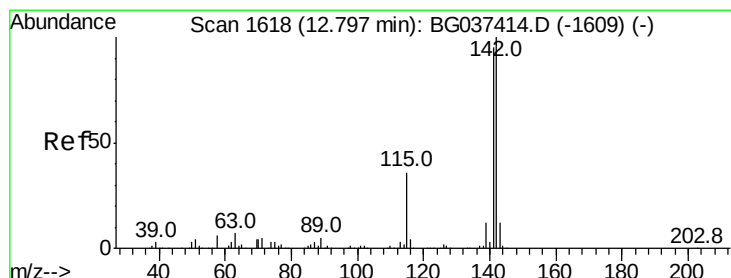
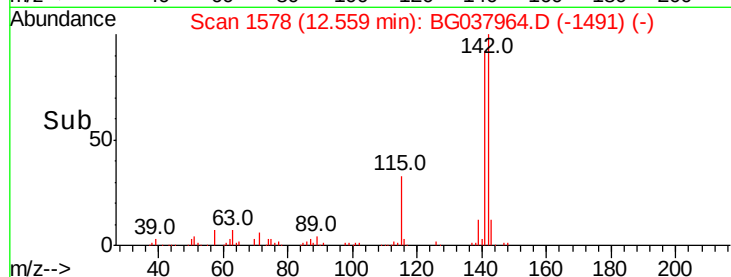
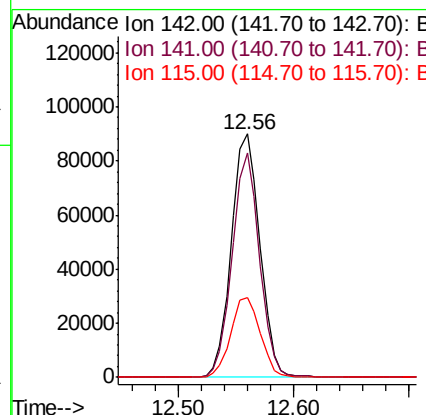
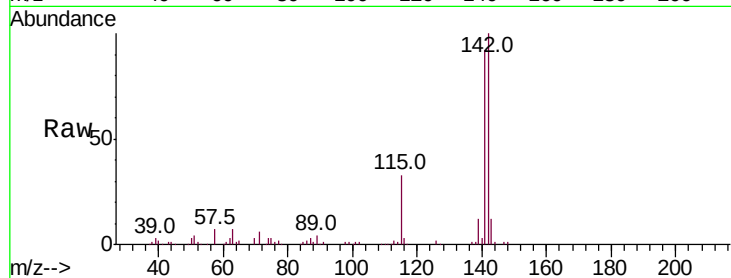
Delta R.T. -0.02 min

Lab File: BG037964.D

Acq: 13 Nov 2018 3:58

Instrument :
BNA_G
ClientSampleId :
COMP-2456

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.4	71.9	107.9
115	32.8	27.8	41.8



#38

1-Methylnaphthalene

Concen: 9.510 ng

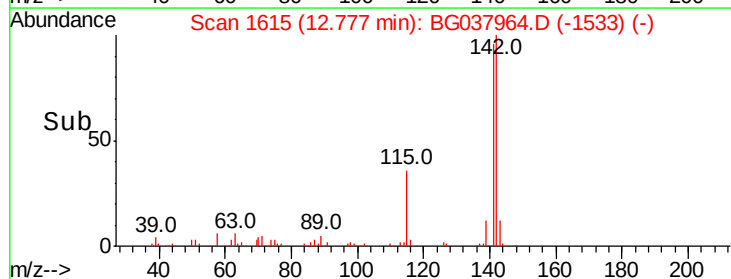
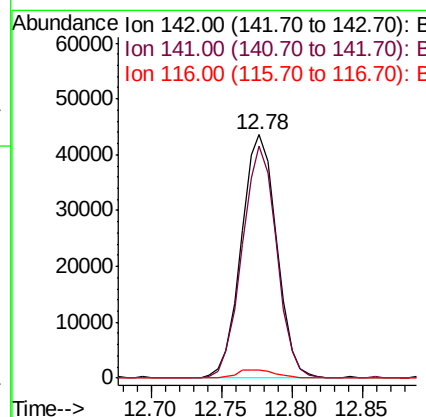
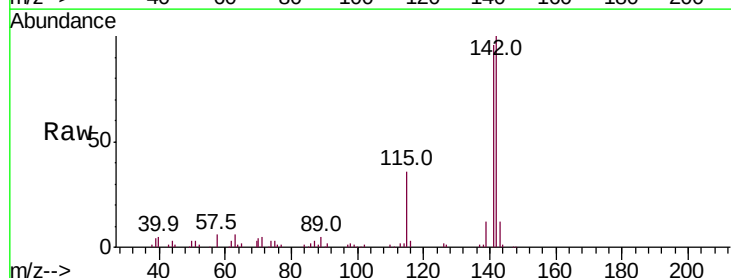
RT: 12.78 min Scan# 1615

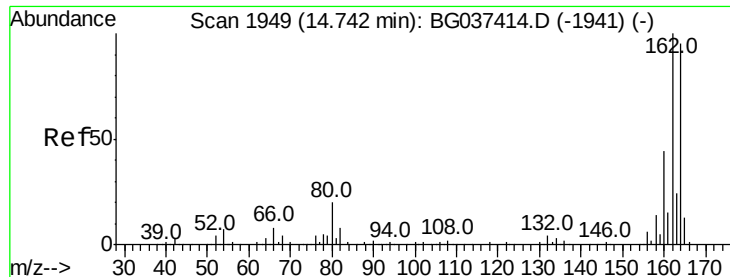
Delta R.T. -0.02 min

Lab File: BG037964.D

Acq: 13 Nov 2018 3:58

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.5	75.2	112.8
116	3.4	3.3	4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BG037964.D

Acq: 13 Nov 2018 3:58

Instrument :

BNA_G

ClientSampleId :

COMP-2456

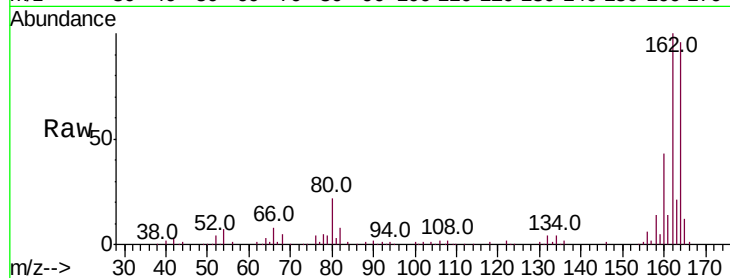
Tot Ion:164 Resp: 153029

Ion Ratio Lower Upper

164 100

162 104.1 81.3 121.9

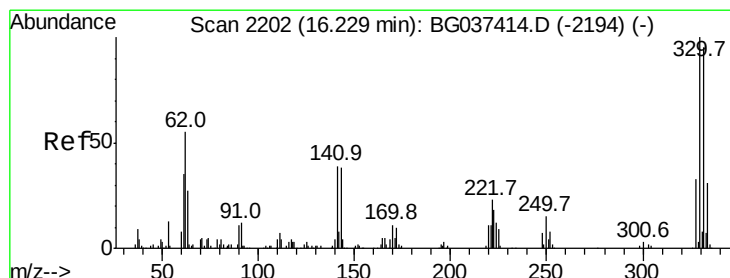
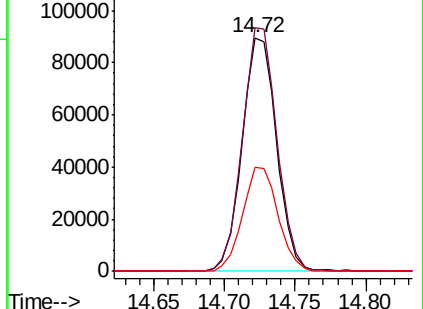
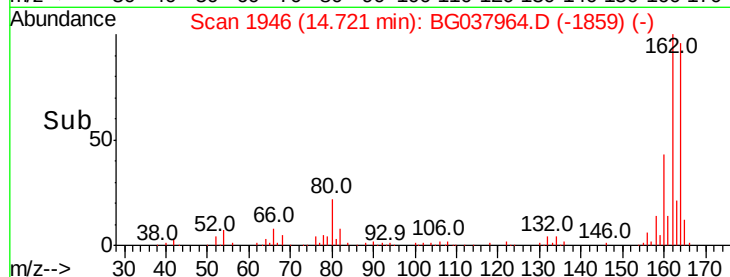
160 44.6 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 79.652 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG037964.D

Acq: 13 Nov 2018 3:58

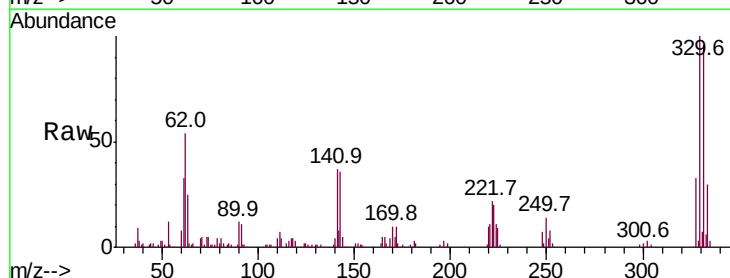
Tgt Ion:330 Resp: 132944

Ion Ratio Lower Upper

330 100

332 96.6 78.4 117.6

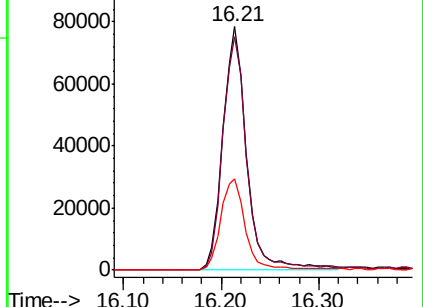
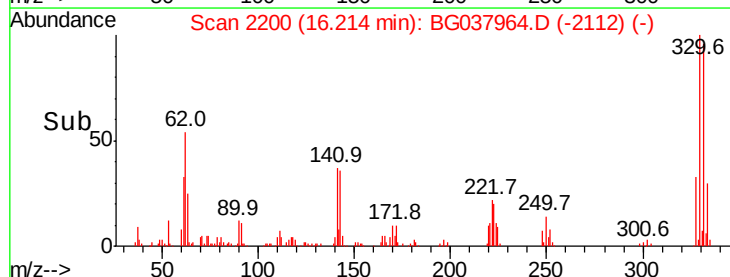
141 38.4 32.2 48.2

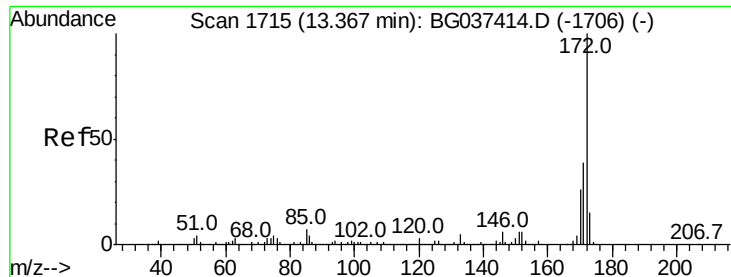


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

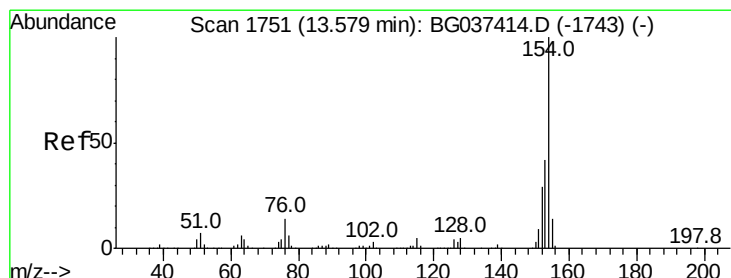
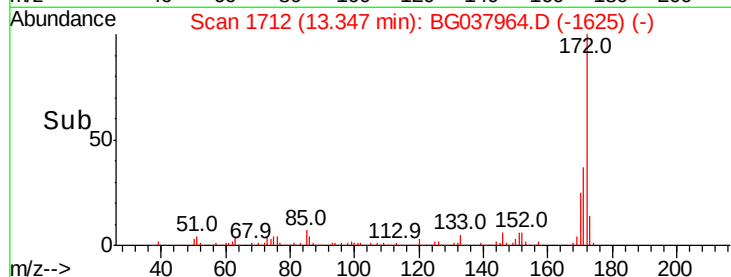
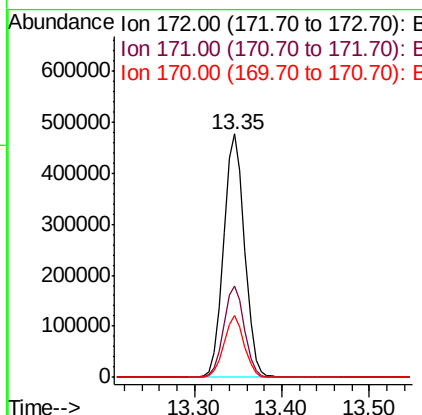
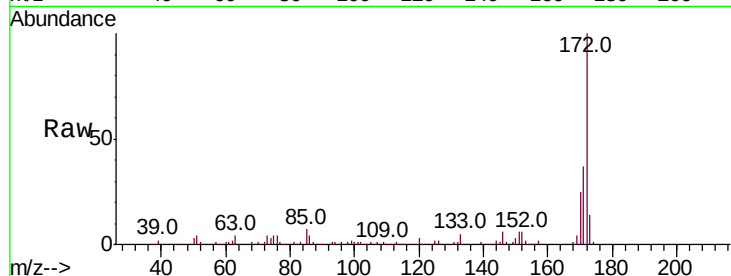




#45
 2-Fluorobiphenyl
 Concen: 76.687 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BG037964.D
 Acq: 13 Nov 2018 3:58

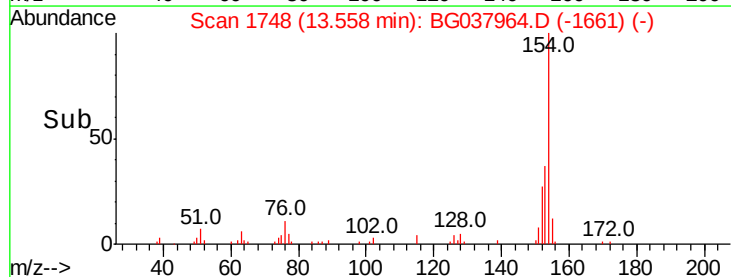
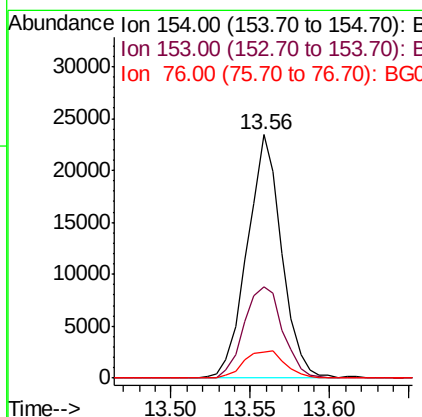
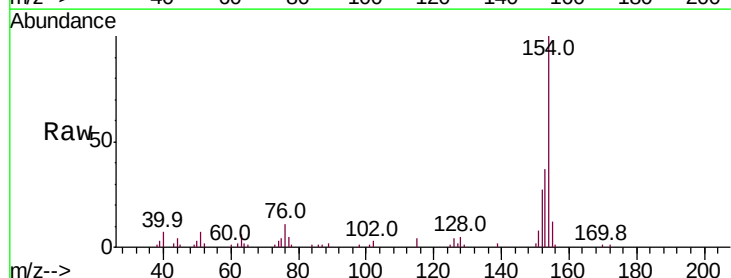
Instrument :
 BNA_G
 ClientSampleId :
 COMP-2456

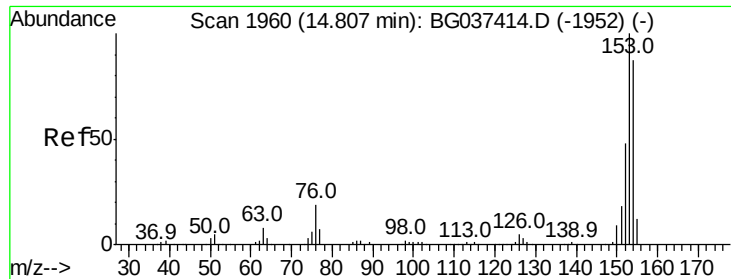
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	31.0	46.4
170	25.3	20.2	30.2



#46
 1,1'-Biphenyl
 Concen: 2.791 ng
 RT: 13.56 min Scan# 1748
 Delta R.T. -0.02 min
 Lab File: BG037964.D
 Acq: 13 Nov 2018 3:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.3	22.1	62.1
76	10.5	0.0	33.2





#52

Acenaphthene

Concen: 13.797 ng

RT: 14.79 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BG037964.D

Acq: 13 Nov 2018 3:58

Instrument :

BNA_G

ClientSampleId :

COMP-2456

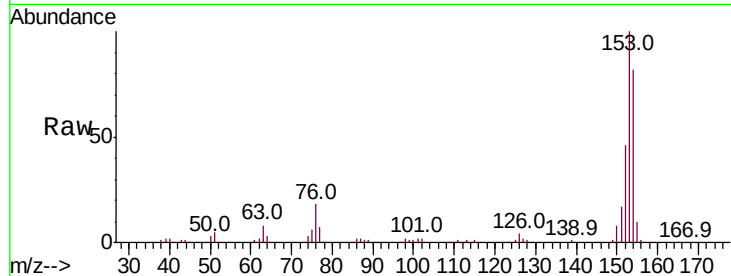
Tot Ion:154 Resp: 122553

Ion Ratio Lower Upper

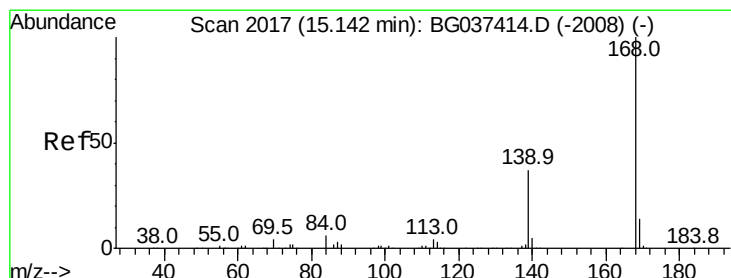
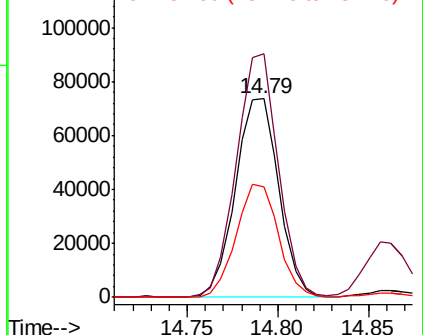
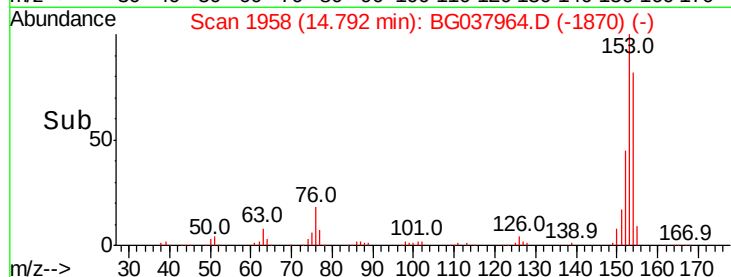
154 100

153 122.6 93.4 140.0

152 55.8 44.7 67.1



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 7.801 ng

RT: 15.12 min Scan# 2014

Delta R.T. -0.02 min

Lab File: BG037964.D

Acq: 13 Nov 2018 3:58

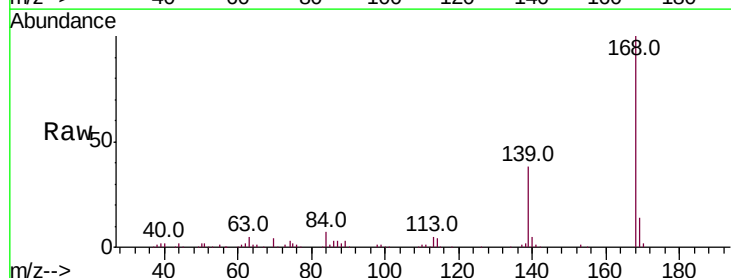
Tgt Ion:168 Resp: 114810

Ion Ratio Lower Upper

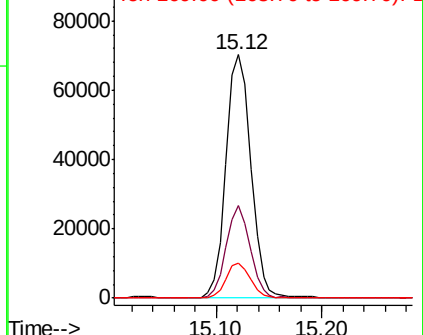
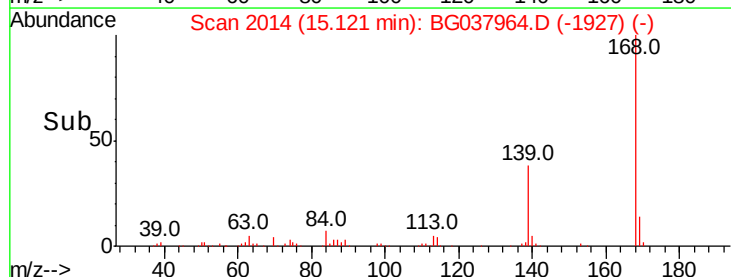
168 100

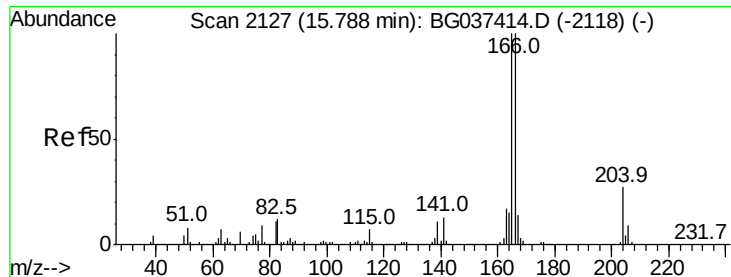
139 38.0 29.4 44.0

169 14.4 11.0 16.6



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

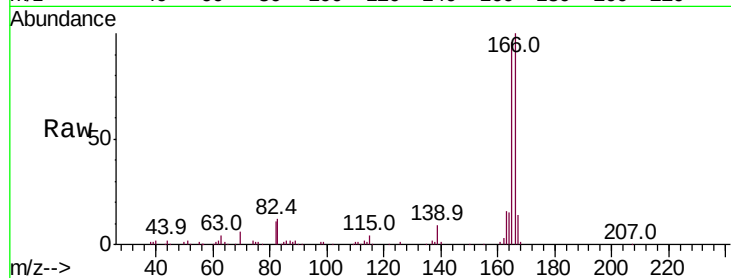




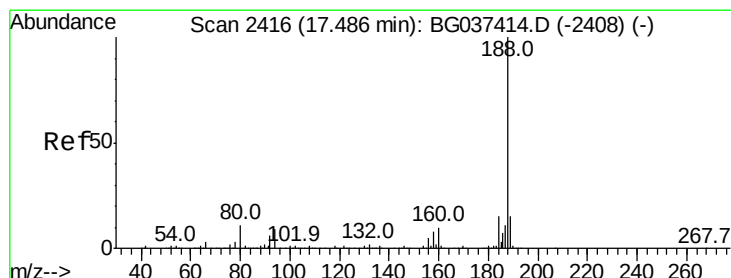
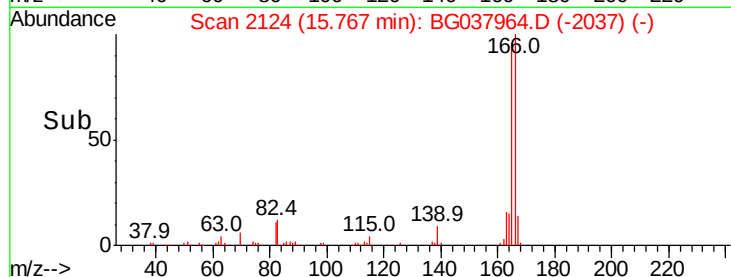
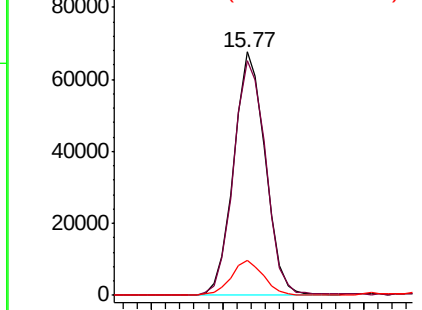
#58
 Fluorene
 Concen: 9.562 ng
 RT: 15.77 min Scan# 2124
 Delta R.T. -0.02 min
 Lab File: BG037964.D
 Acq: 13 Nov 2018 3:58

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2456

Tot Ion:166 Resp: 105379
 Ion Ratio Lower Upper
 166 100
 165 96.3 79.0 118.6
 167 14.3 11.3 16.9

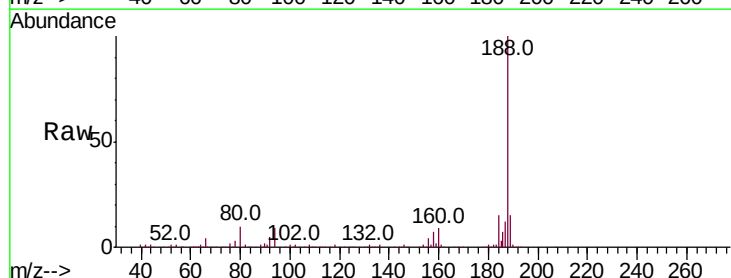


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

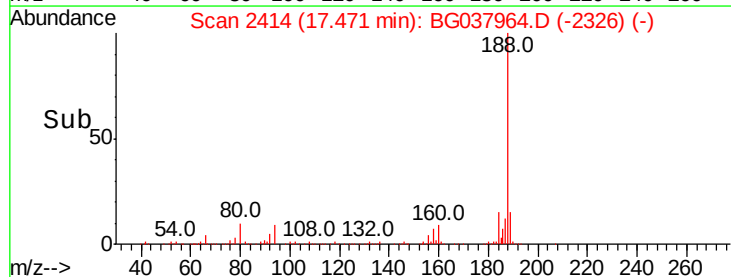
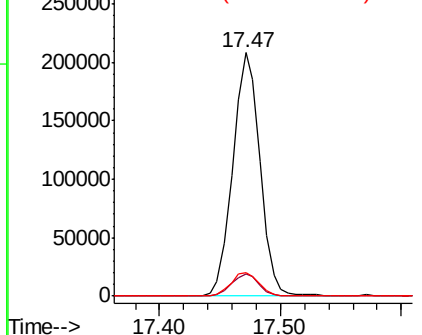


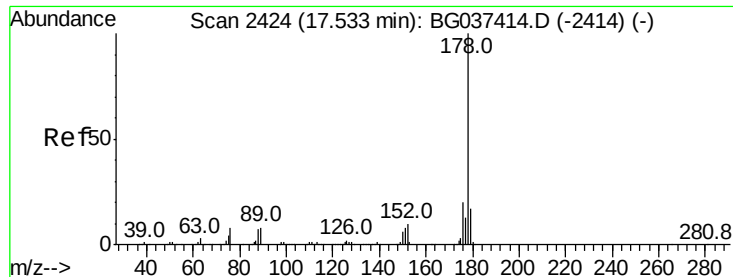
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2414
 Delta R.T. -0.01 min
 Lab File: BG037964.D
 Acq: 13 Nov 2018 3:58

Tgt Ion:188 Resp: 326368
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.2 10.8
 80 9.6 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BG
 Ion 80.00 (79.70 to 80.70): BG

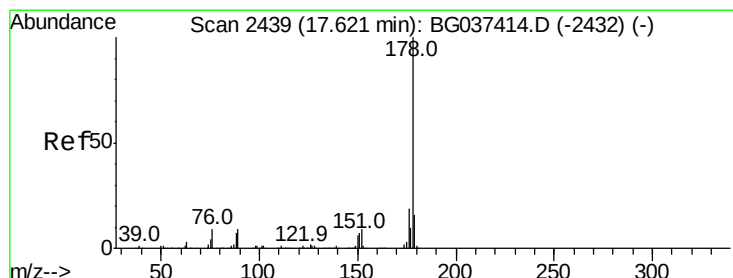
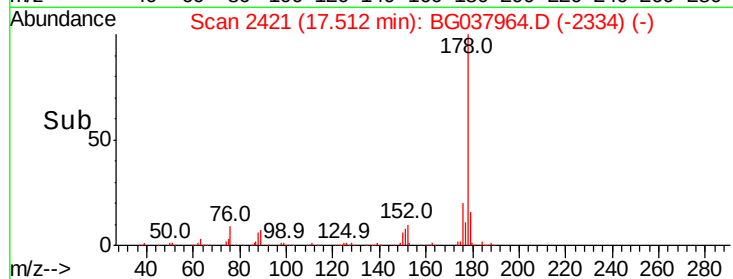
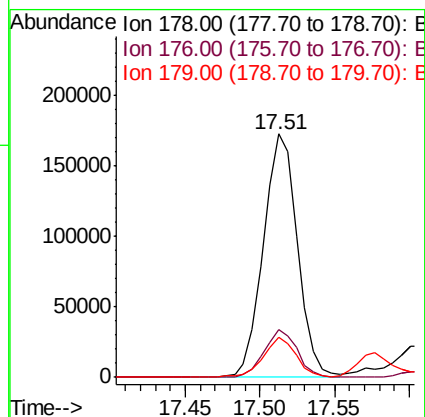
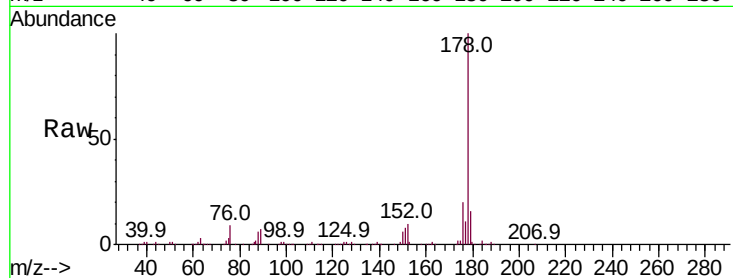




#71
Phenanthrene
Concen: 16.425 ng
RT: 17.51 min Scan# 2421
Delta R.T. -0.02 min
Lab File: BG037964.D
Acq: 13 Nov 2018 3:58

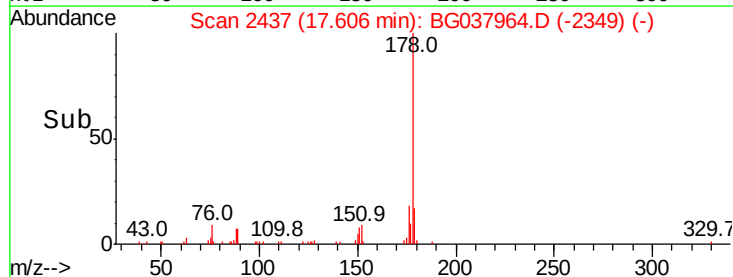
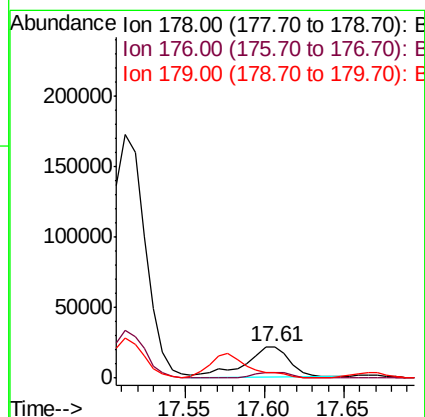
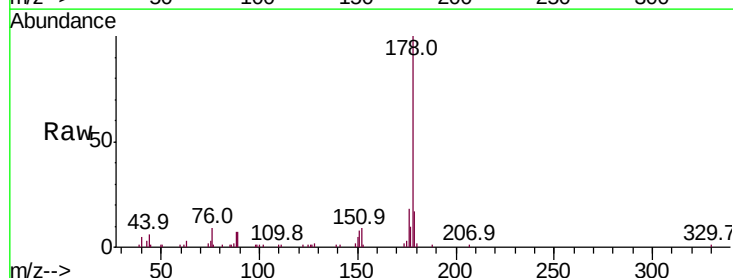
Instrument :
BNA_G
ClientSampleId :
COMP-2456

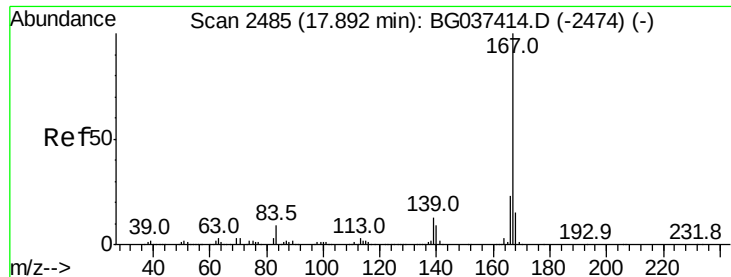
Tot Ion:178 Resp: 272439
Ion Ratio Lower Upper
178 100
176 19.8 16.1 24.1
179 16.2 13.0 19.4



#72
Anthracene
Concen: 2.639 ng
RT: 17.61 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG037964.D
Acq: 13 Nov 2018 3:58

Tgt Ion:178 Resp: 42950
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.4
179 16.8 12.8 19.2





#73

Carbazole

Concen: 17.454 ng

RT: 17.88 min Scan# 2483

Delta R.T. -0.01 min

Lab File: BG037964.D

Acq: 13 Nov 2018 3:58

Instrument :

BNA_G

ClientSampleId :

COMP-2456

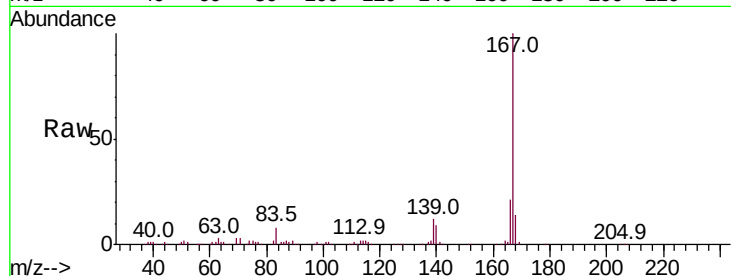
Tot Ion:167 Resp: 284205

Ion Ratio Lower Upper

167 100

166 21.0 18.3 27.5

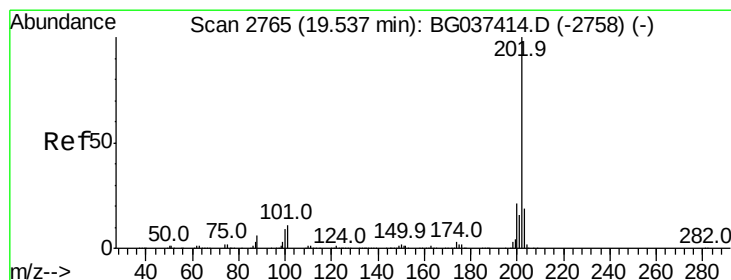
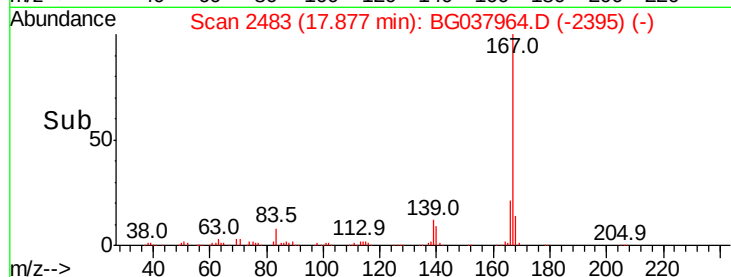
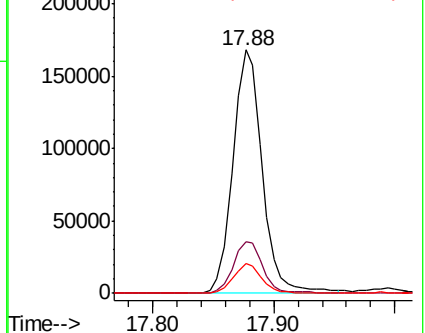
139 12.3 10.5 15.7



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



#75

Fluoranthene

Concen: 2.514 ng

RT: 19.52 min Scan# 2763

Delta R.T. -0.01 min

Lab File: BG037964.D

Acq: 13 Nov 2018 3:58

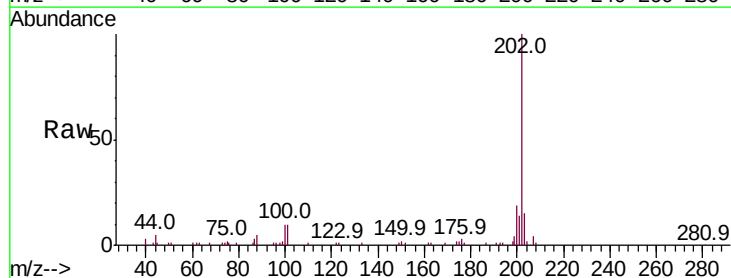
Tgt Ion:202 Resp: 47304

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.7

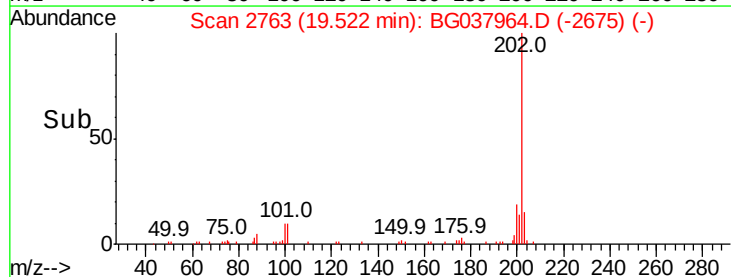
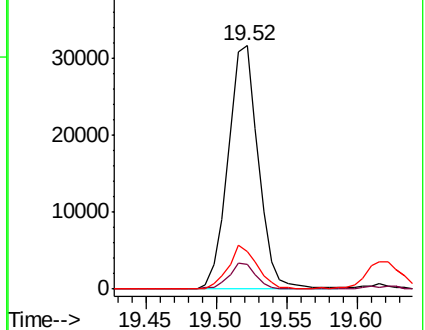
203 15.5 0.0 38.5

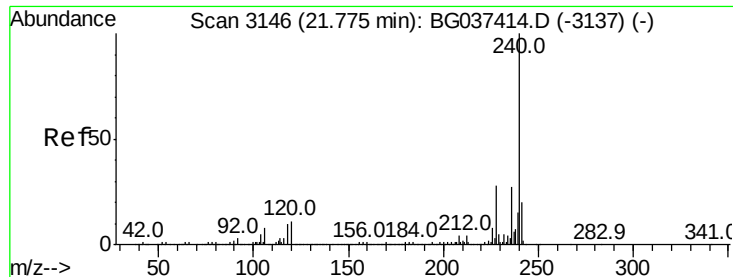


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

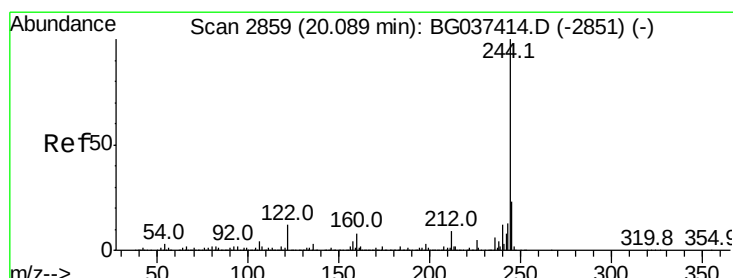
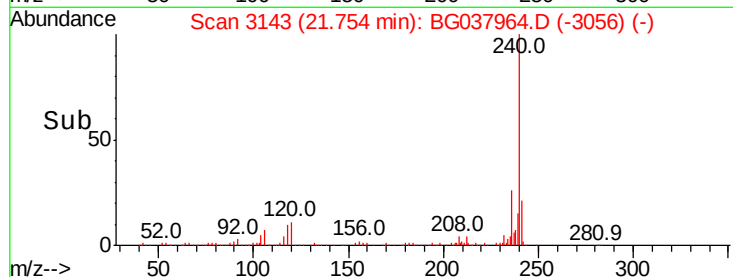
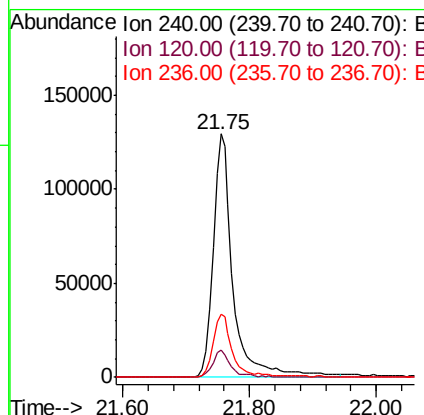
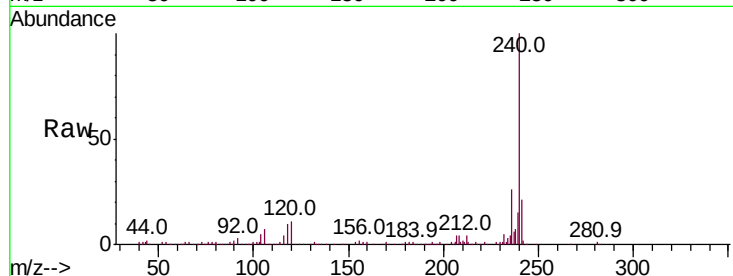




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3143
 Delta R.T. -0.02 min
 Lab File: BG037964.D
 Acq: 13 Nov 2018 3:58

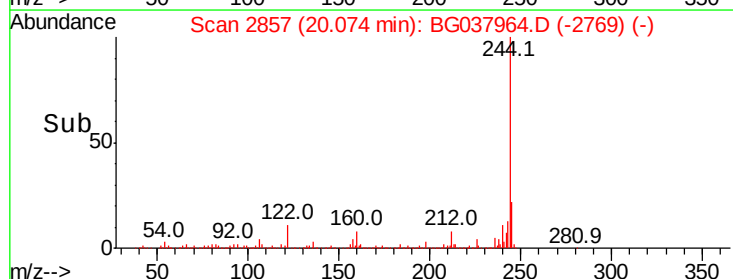
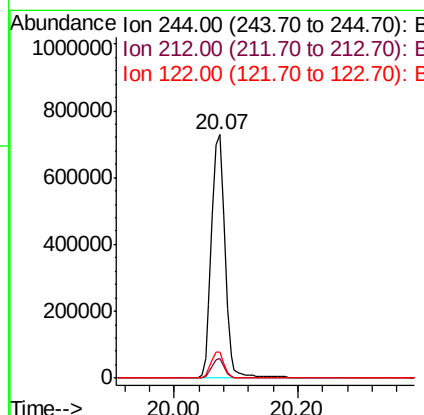
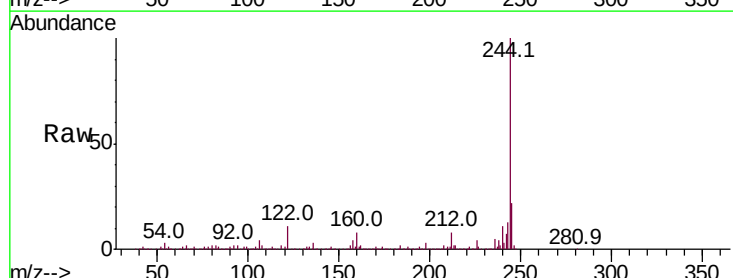
Instrument :
 BNA_G
 ClientSampleId :
 COMP-2456

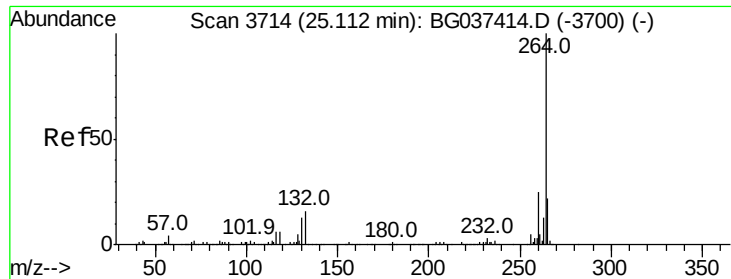
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.1	12.1
236	26.2	21.4	32.0



#79
 Terphenyl-d14
 Concen: 82.736 ng
 RT: 20.07 min Scan# 2857
 Delta R.T. -0.01 min
 Lab File: BG037964.D
 Acq: 13 Nov 2018 3:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.5	9.7
122	10.5	9.0	13.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.09 min Scan# 3710
Delta R.T. -0.03 min
Lab File: BG037964.D
Acq: 13 Nov 2018 3:58

Instrument :
BNA_G
ClientSampleId :
COMP-2456

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.2	27.4
265	22.0	17.9	26.9

