

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG040119\
 Data File : BG040296.D
 Acq On : 2 Apr 2019 12:28
 Operator : JU/SJ
 Sample : K2180-16
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Quant Time: Apr 02 13:51:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	59199	20.00	ng	-0.02
21) Naphthalene-d8	10.87	136	249812	20.00	ng	-0.02
39) Acenaphthene-d10	14.68	164	170954	20.00	ng	-0.02
64) Phenanthrene-d10	17.43	188	418908	20.00	ng	-0.02
76) Chrysene-d12	21.71	240	420225	20.00	ng	-0.02
87) Perylene-d12	25.01	264	419246	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	461425	129.58	ng	0.00
7) Phenol-d6	7.21	99	605830	123.10	ng	-0.02
23) Nitrobenzene-d5	9.23	82	451544	96.08	ng	-0.02
42) 2,4,6-Tribromophenol	16.17	330	271799	147.11	ng	-0.02
45) 2-Fluorobiphenyl	13.31	172	1058170	91.72	ng	-0.02
79) Terphenyl-d14	20.03	244	1707078	91.39	ng	-0.02

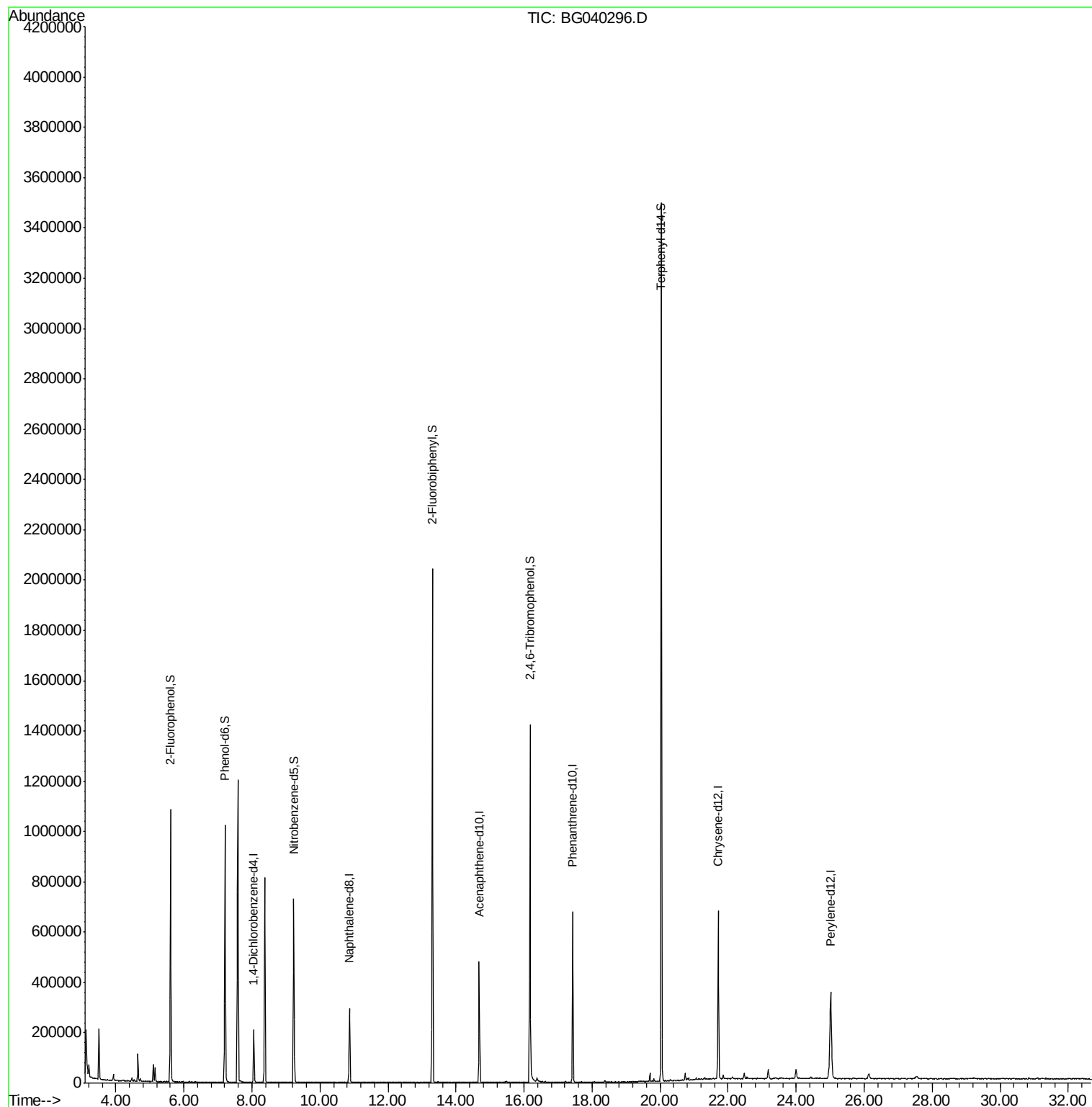
Target Compounds	Qvalue
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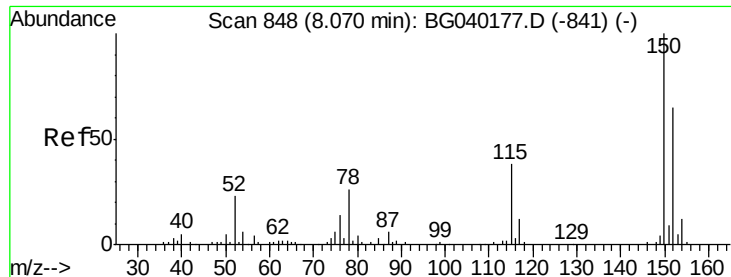
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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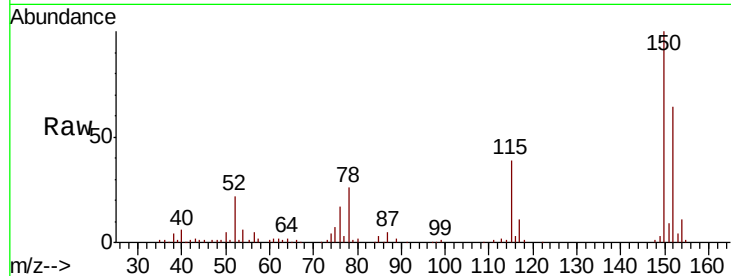


#1

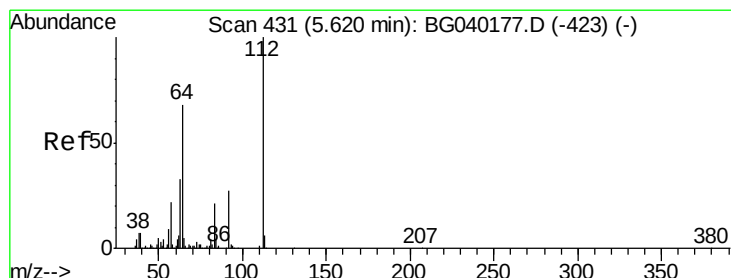
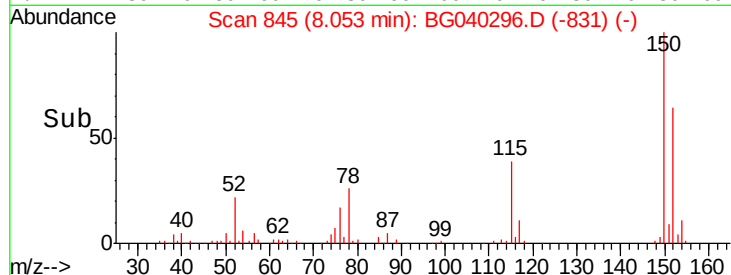
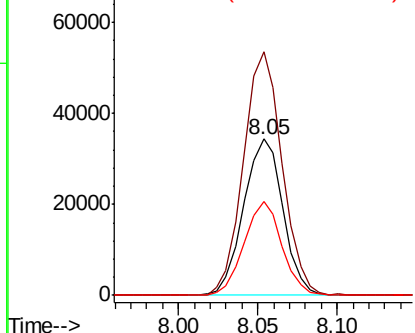
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.02 min
Lab File: BG040296.D
Acq: 2 Apr 2019 12:28

Instrument :
BNA_G
ClientSampleId :
TP-9

Tgt Ion:152 Resp: 59199
Ion Ratio Lower Upper
152 100
150 155.7 123.7 185.5
115 60.0 46.9 70.3



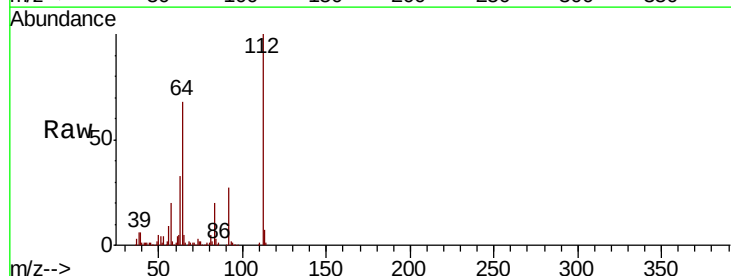
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



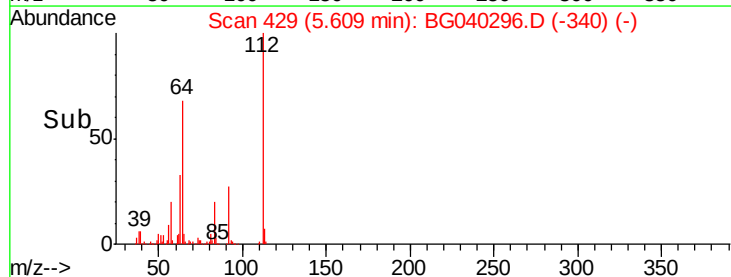
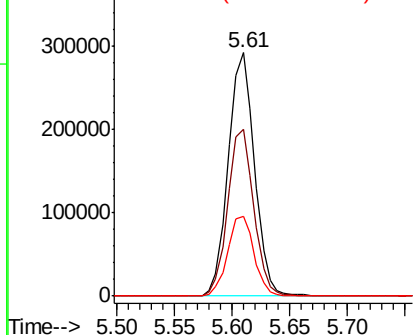
#5

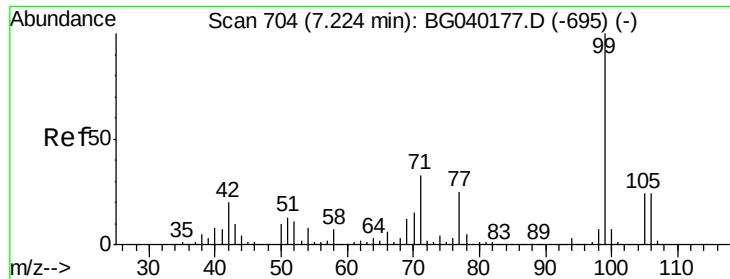
2-Fluorophenol
Concen: 129.576 ng
RT: 5.61 min Scan# 429
Delta R.T. -0.01 min
Lab File: BG040296.D
Acq: 2 Apr 2019 12:28

Tgt Ion:112 Resp: 461425
Ion Ratio Lower Upper
112 100
64 68.5 54.2 81.2
63 32.7 26.4 39.6



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: 123.101 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.02 min

Lab File: BG040296.D

Acq: 2 Apr 2019 12:28

Instrument :

BNA_G

ClientSampleId :

TP-9

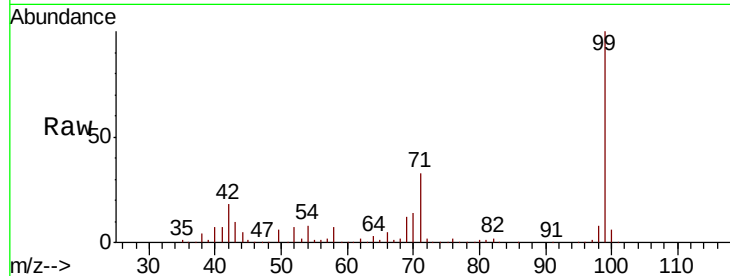
Tgt Ion: 99 Resp: 605830

Ion Ratio Lower Upper

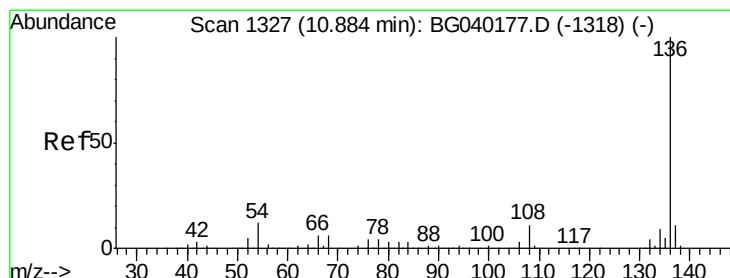
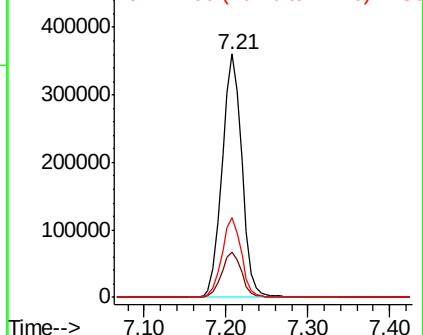
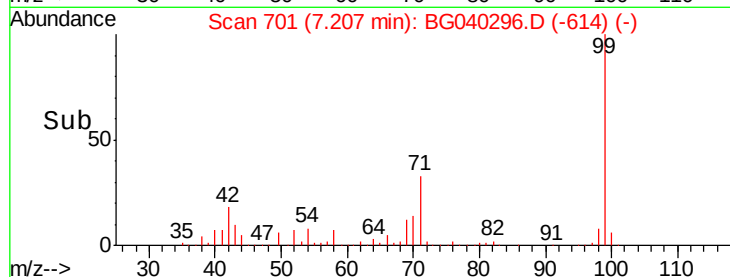
99 100

42 18.4 16.2 24.2

71 32.7 26.8 40.2



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: 20.000 ng

RT: 10.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BG040296.D

Acq: 2 Apr 2019 12:28

Tgt Ion: 136 Resp: 249812

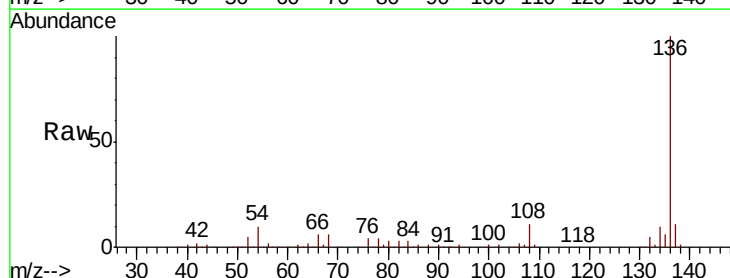
Ion Ratio Lower Upper

136 100

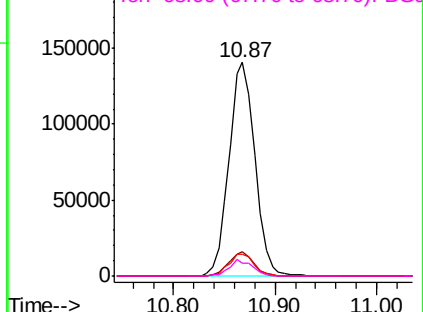
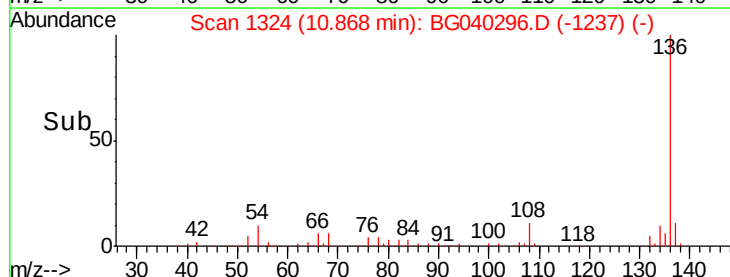
137 11.4 8.9 13.3

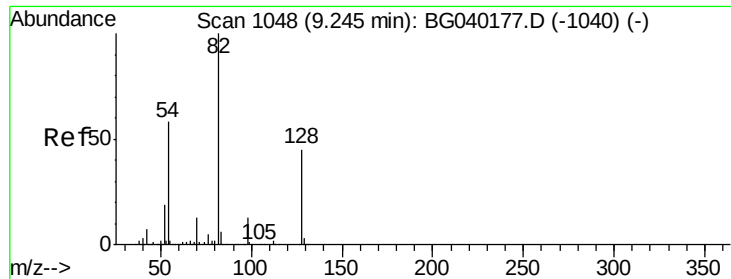
54 10.0 9.6 14.4

68 6.1 5.1 7.7



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

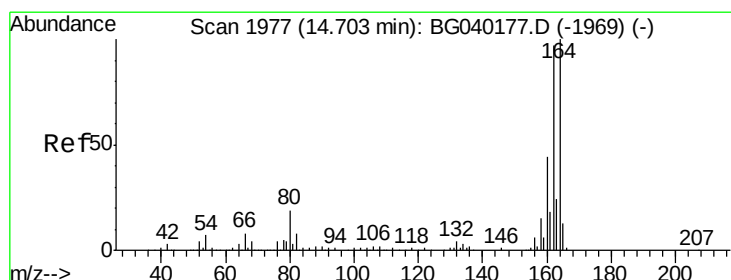
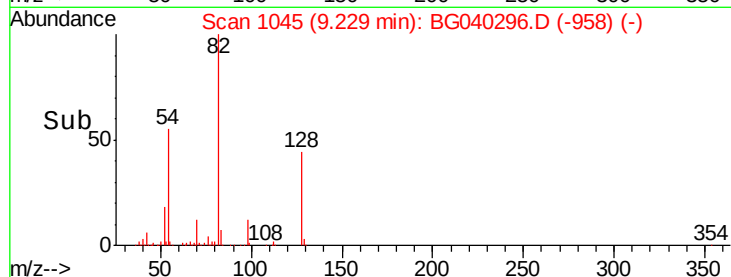
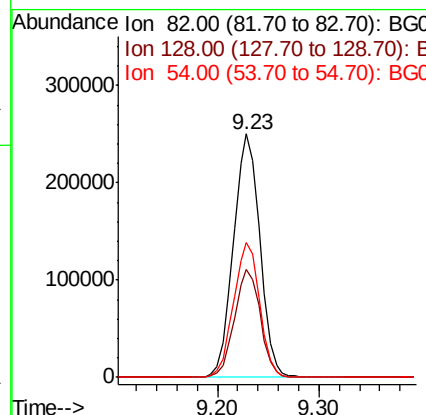
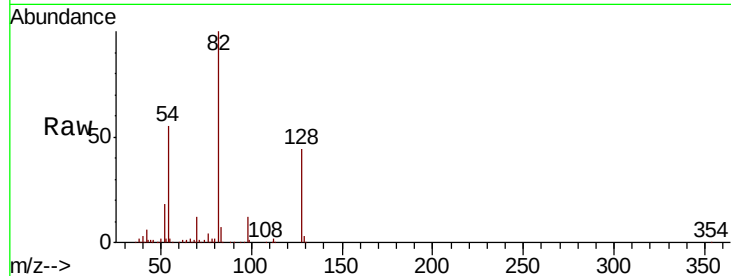




#23
 Nitrobenzene-d5
 Concen: 96.077 ng
 RT: 9.23 min Scan# 1045
 Delta R.T. -0.02 min
 Lab File: BG040296.D
 Acq: 2 Apr 2019 12:28

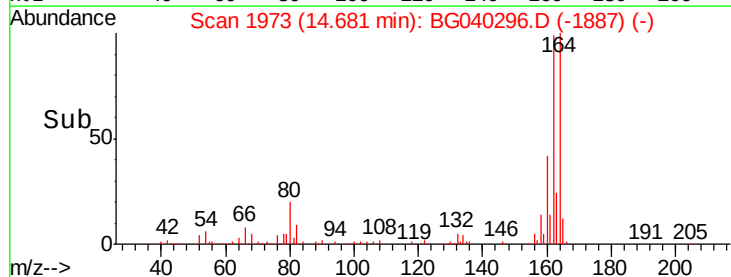
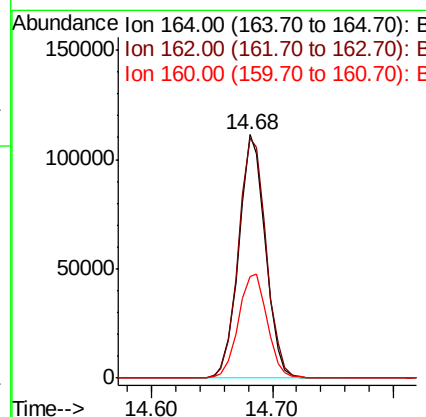
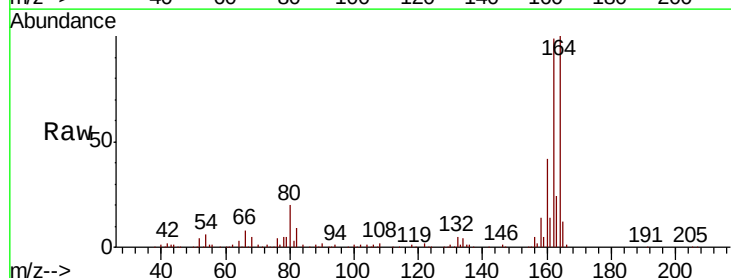
Instrument :
 BNA_G
 ClientSampleId :
 TP-9

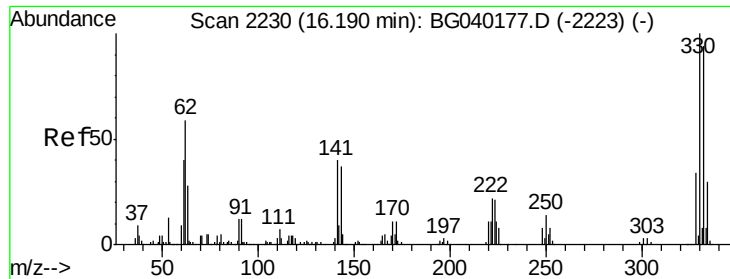
Tgt Ion: 82 Resp: 451544
 Ion Ratio Lower Upper
 82 100
 128 44.1 35.8 53.8
 54 55.2 46.2 69.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.02 min
 Lab File: BG040296.D
 Acq: 2 Apr 2019 12:28

Tgt Ion: 164 Resp: 170954
 Ion Ratio Lower Upper
 164 100
 162 98.6 77.4 116.2
 160 41.9 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 147.112 ng

RT: 16.17 min Scan# 2227

Delta R.T. -0.02 min

Lab File: BG040296.D

Acq: 2 Apr 2019 12:28

Instrument :

BNA_G

ClientSampleId :

TP-9

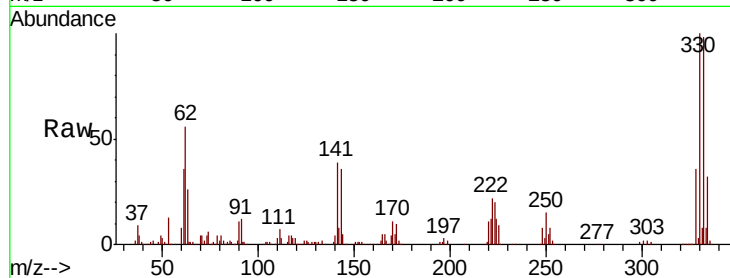
Tgt Ion:330 Resp: 271799

Ion Ratio Lower Upper

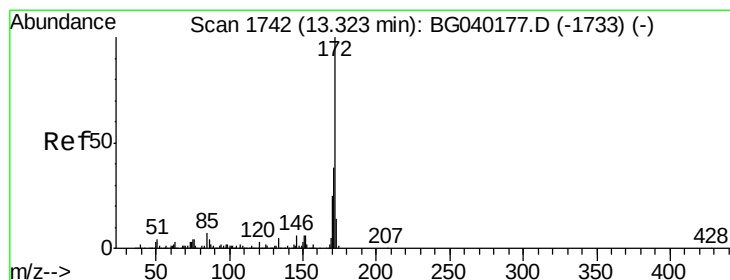
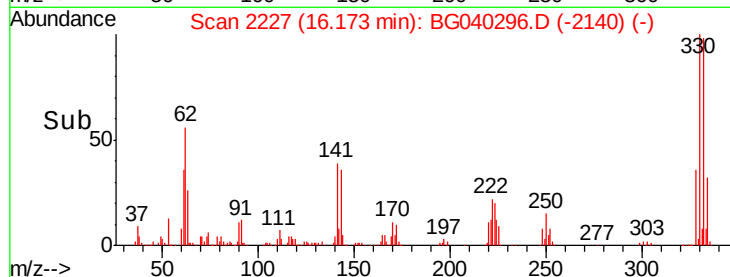
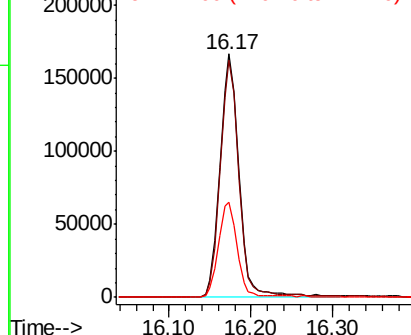
330 100

332 96.5 76.6 115.0

141 38.0 32.6 48.8



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



#45

2-Fluorobiphenyl

Concen: 91.718 ng

RT: 13.31 min Scan# 1739

Delta R.T. -0.02 min

Lab File: BG040296.D

Acq: 2 Apr 2019 12:28

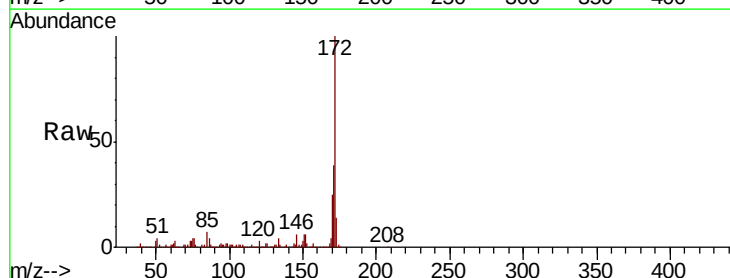
Tgt Ion:172 Resp: 1058170

Ion Ratio Lower Upper

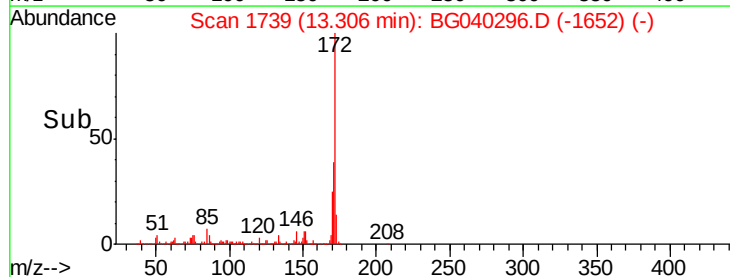
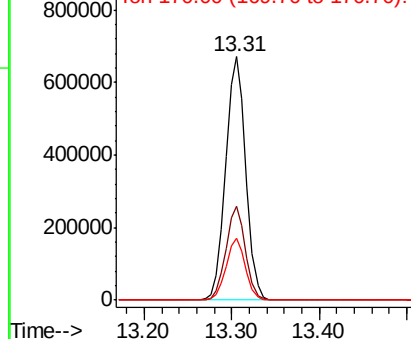
172 100

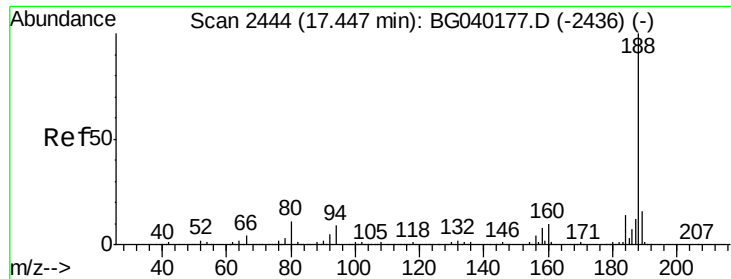
171 38.6 30.5 45.7

170 25.2 20.1 30.1



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.02 min

Lab File: BG040296.D

Acq: 2 Apr 2019 12:28

Instrument :

BNA_G

ClientSampleId :

TP-9

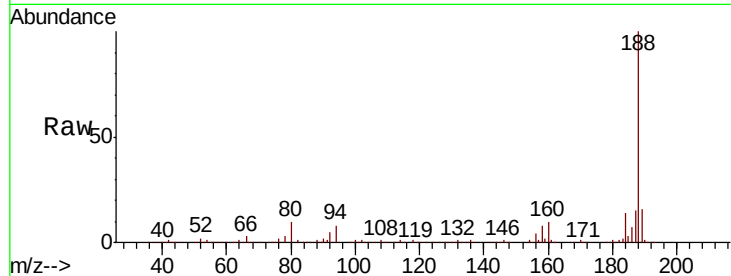
Tgt Ion:188 Resp: 418908

Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.4

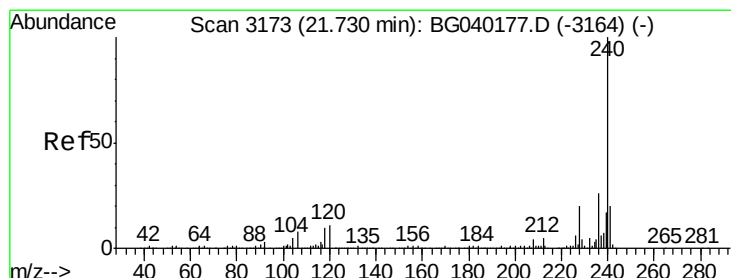
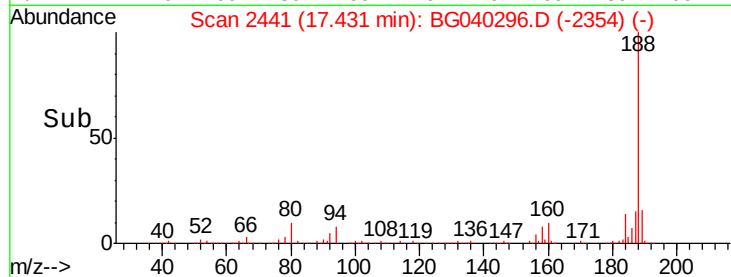
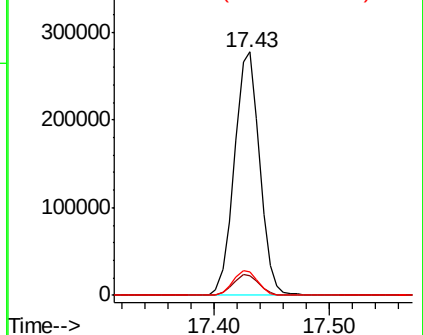
80 9.6 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.71 min Scan# 3169

Delta R.T. -0.02 min

Lab File: BG040296.D

Acq: 2 Apr 2019 12:28

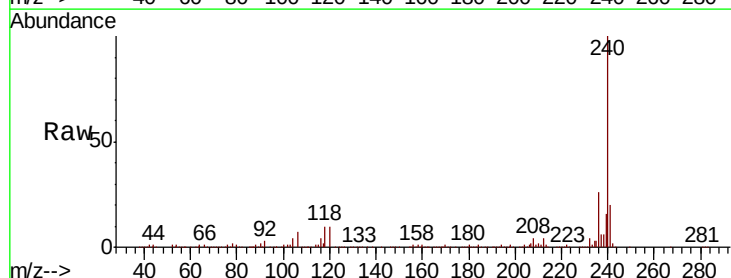
Tgt Ion:240 Resp: 420225

Ion Ratio Lower Upper

240 100

120 10.2 8.4 12.6

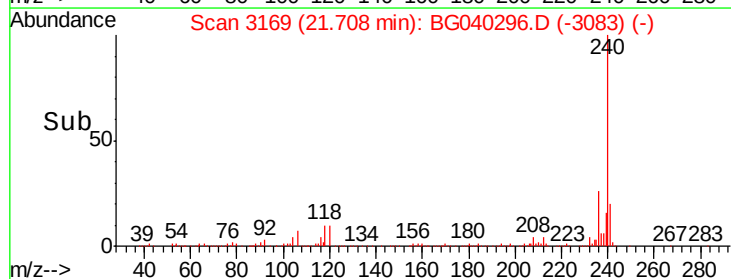
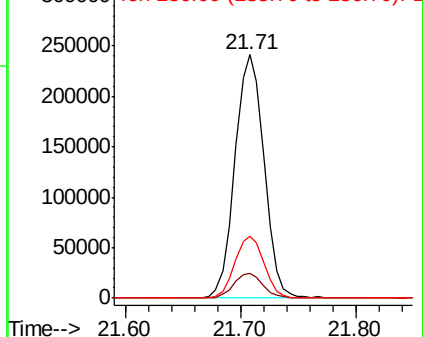
236 25.5 20.8 31.2

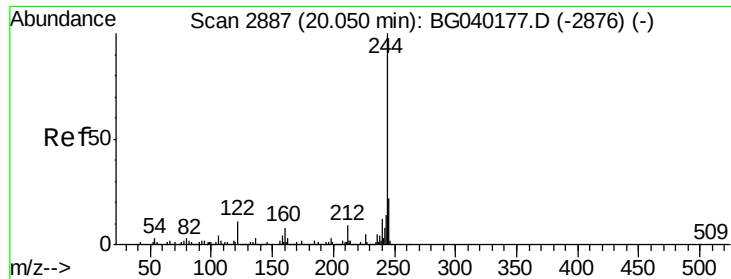


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 91.388 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.02 min

Lab File: BG040296.D

Acq: 2 Apr 2019 12:28

Instrument :

BNA_G

ClientSampleId :

TP-9

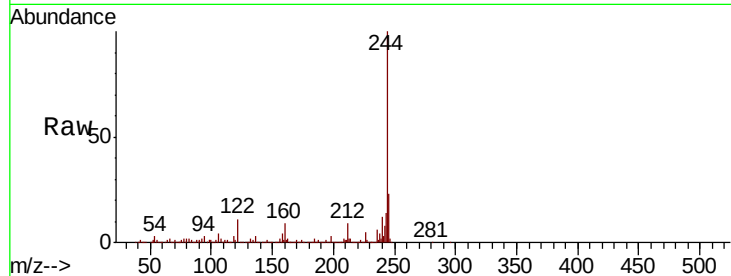
Tgt Ion:244 Resp: 1707078

Ion Ratio Lower Upper

244 100

212 8.8 7.0 10.6

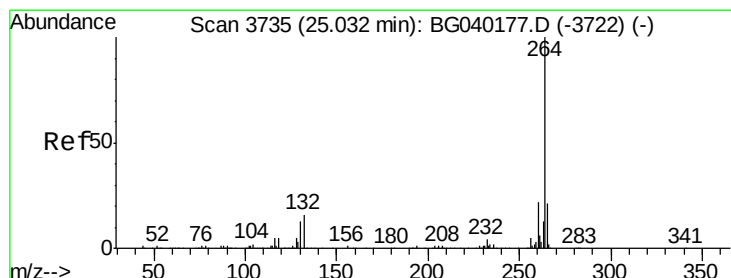
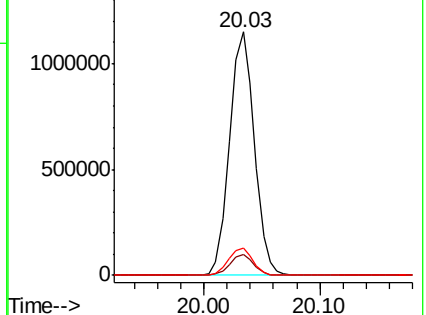
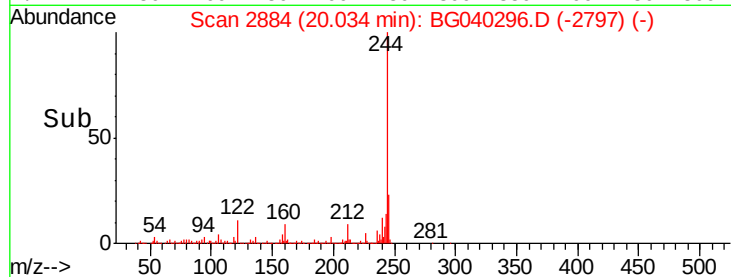
122 11.5 8.5 12.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3731

Delta R.T. -0.02 min

Lab File: BG040296.D

Acq: 2 Apr 2019 12:28

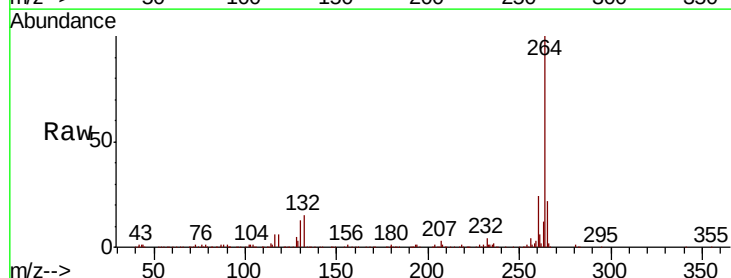
Tgt Ion:264 Resp: 419246

Ion Ratio Lower Upper

264 100

260 23.5 17.9 26.9

265 22.1 16.8 25.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

