

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010820\
 Data File : BG043989.D
 Acq On : 9 Jan 2020 6:29
 Operator : JU
 Sample : L1039-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 225-230

Quant Time: Jan 09 08:01:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	115932	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	466593	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	303260	20.00	ng	-0.02
64) Phenanthrene-d10	17.33	188	664931	20.00	ng	0.00
76) Chrysene-d12	21.57	240	583054	20.00	ng	-0.02
87) Perylene-d12	24.69	264	595353	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	877336	138.95	ng	0.00
7) Phenol-d6	7.12	99	1190768	134.92	ng	0.00
23) Nitrobenzene-d5	9.11	82	707232	81.09	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	453769	142.98	ng	-0.02
45) 2-Fluorobiphenyl	13.21	172	1539811	91.99	ng	-0.02
79) Terphenyl-d14	19.94	244	2262432	97.02	ng	-0.02

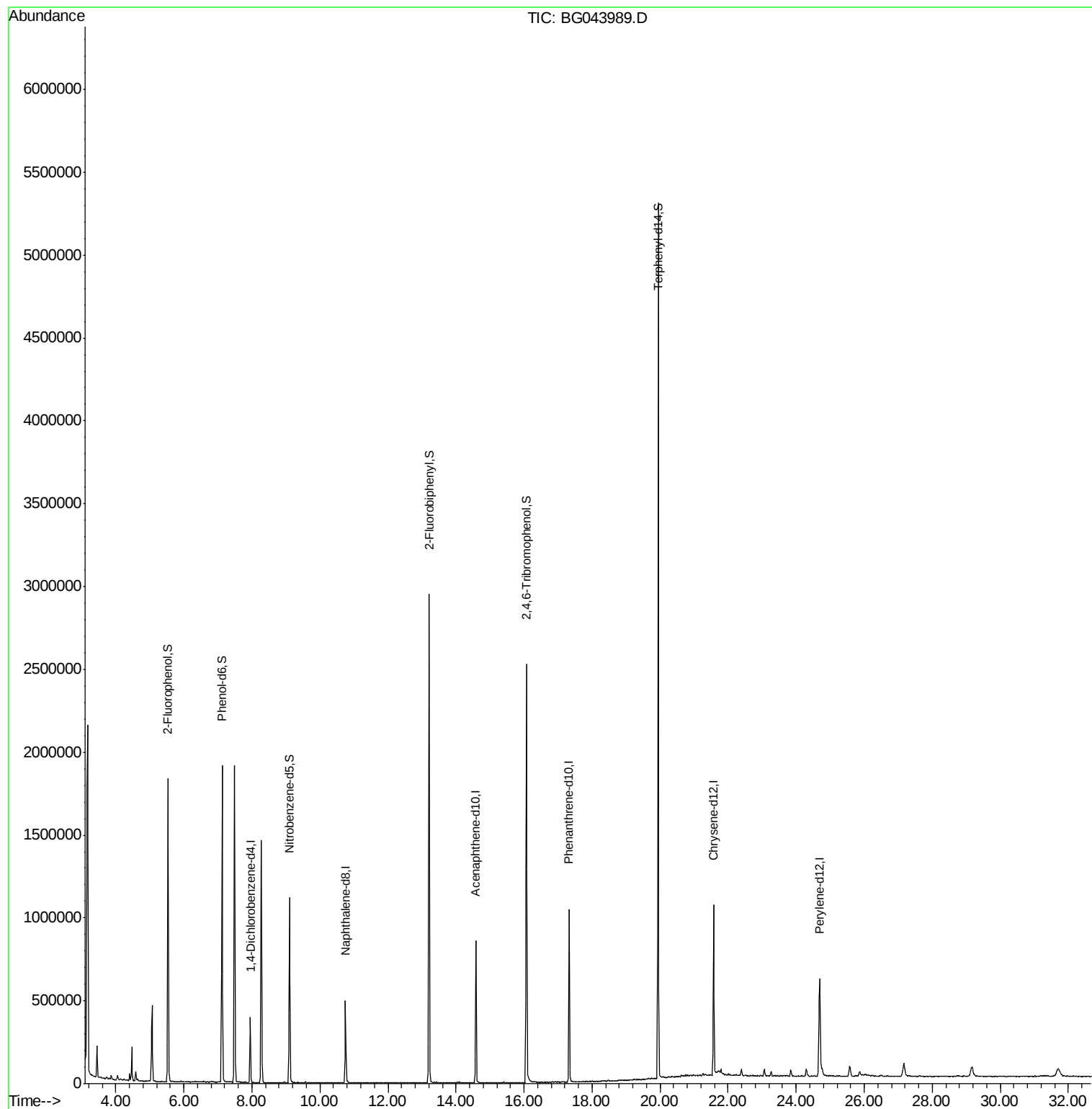
Target Compounds Qvalue

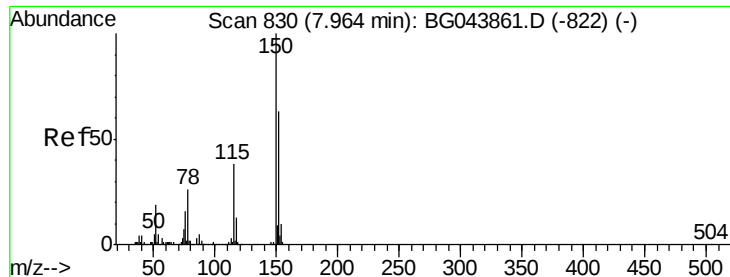
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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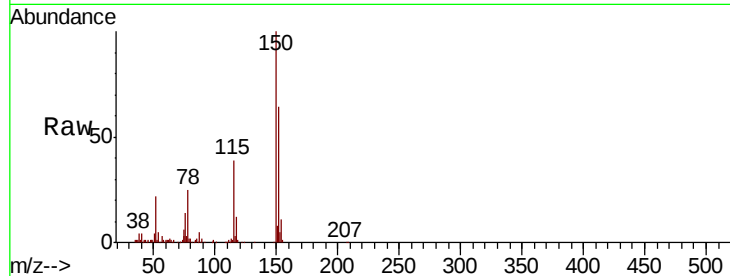


#1

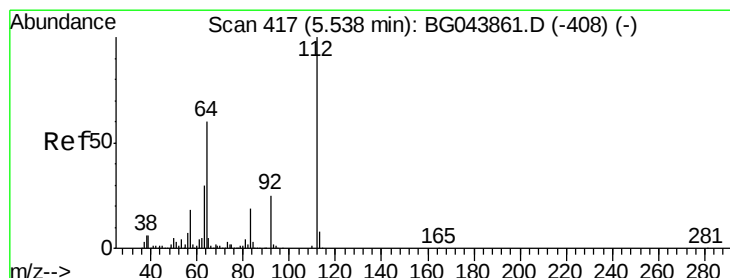
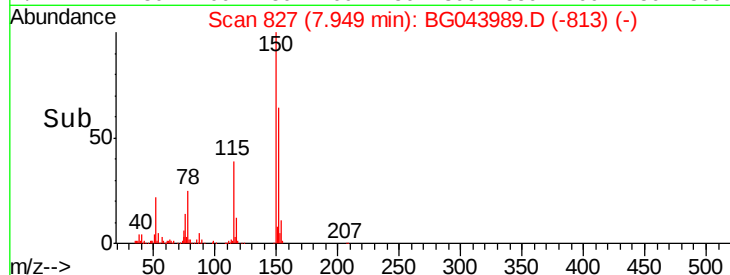
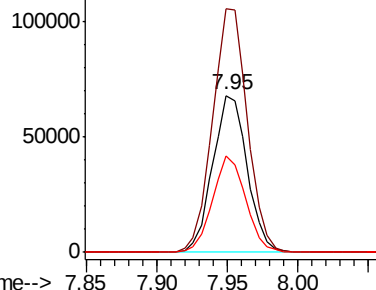
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG043989.D
Acq: 9 Jan 2020 6:29

Instrument :
BNA_G
ClientSampleId :
225-230

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	127.0	190.4
115	61.3	47.8	71.8



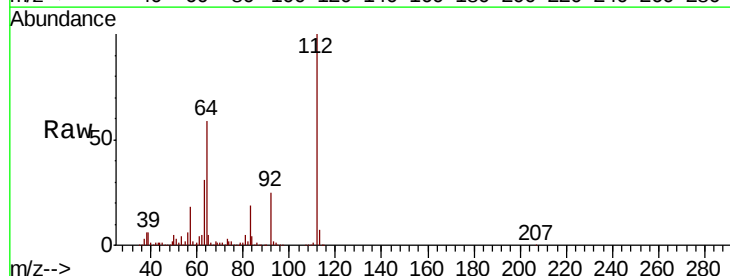
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



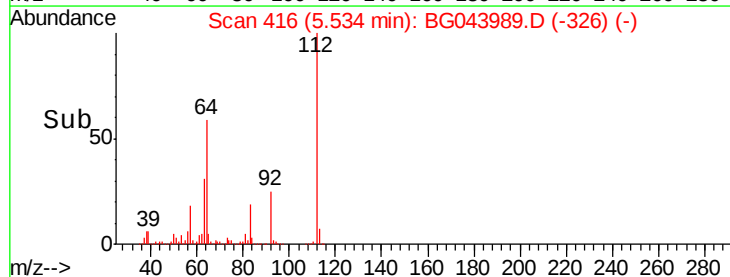
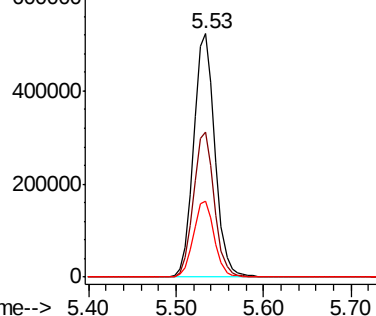
#5

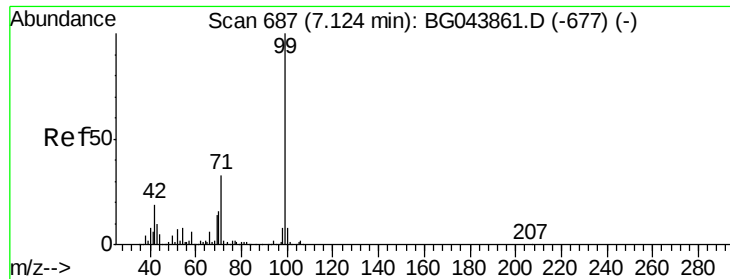
2-Fluorophenol
Concen: 138.952 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.00 min
Lab File: BG043989.D
Acq: 9 Jan 2020 6:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.8	71.6
63	31.3	24.3	36.5



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: 134.919 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG043989.D

Acq: 9 Jan 2020 6:29

Instrument :

BNA_G

ClientSampleId :

225-230

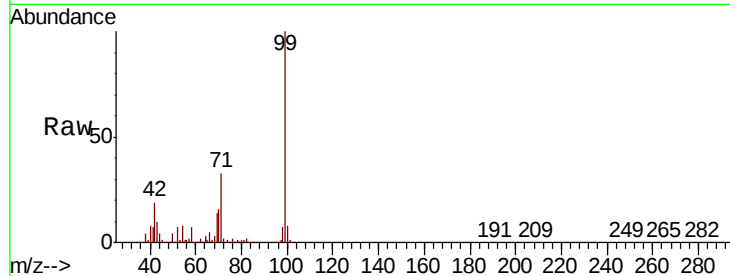
Tot Ion: 99 Resp: 1190768

Ion Ratio Lower Upper

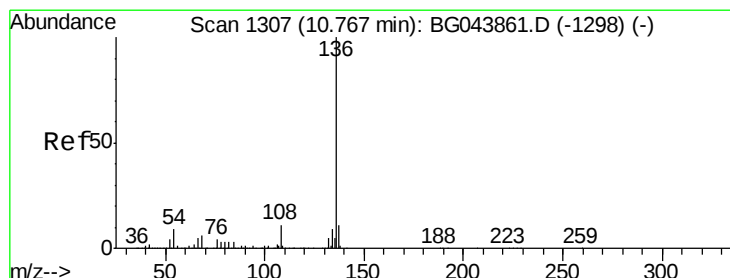
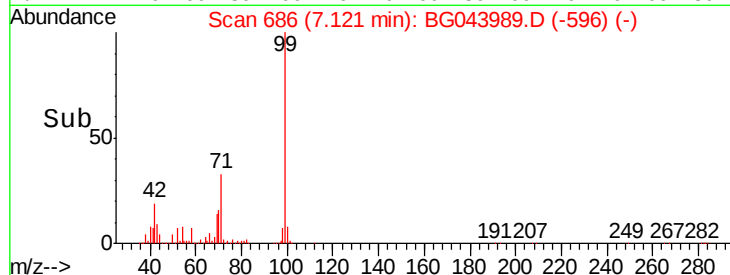
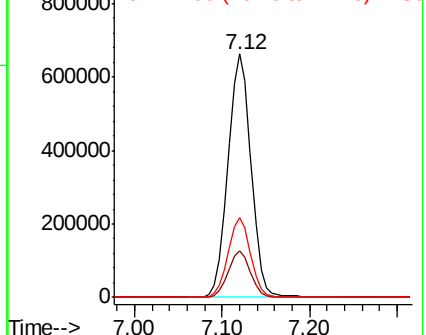
99 100

42 19.3 14.9 22.3

71 32.9 26.4 39.6



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: 10.75 min Scan# 1304

Delta R.T. -0.02 min

Lab File: BG043989.D

Acq: 9 Jan 2020 6:29

Tgt Ion: 136 Resp: 466593

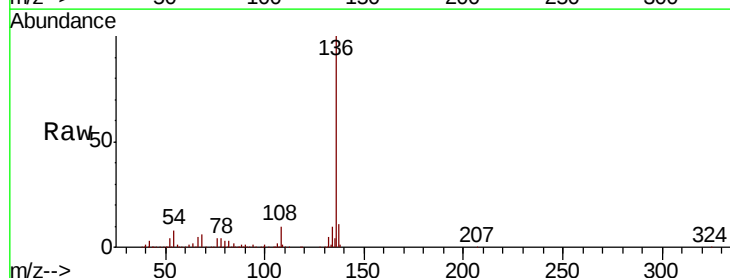
Ion Ratio Lower Upper

136 100

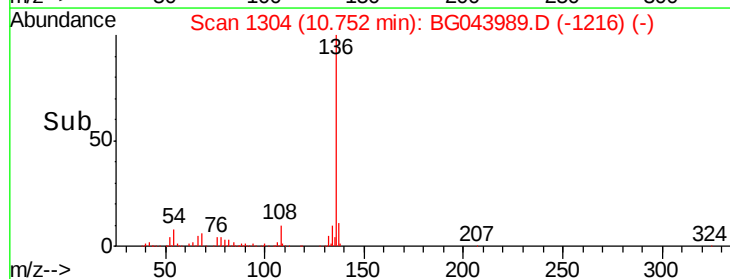
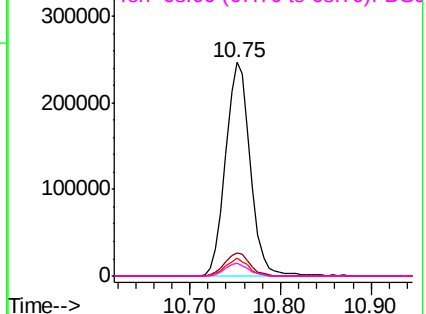
137 10.8 8.8 13.2

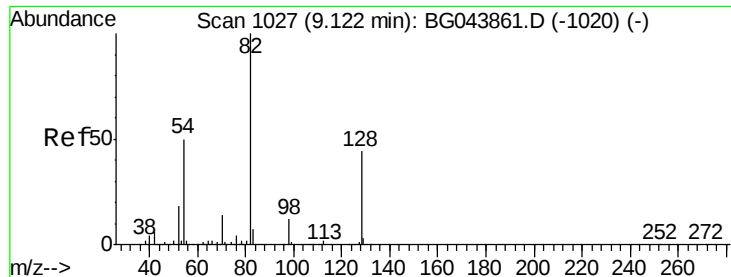
54 8.2 7.0 10.4

68 5.9 4.9 7.3



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

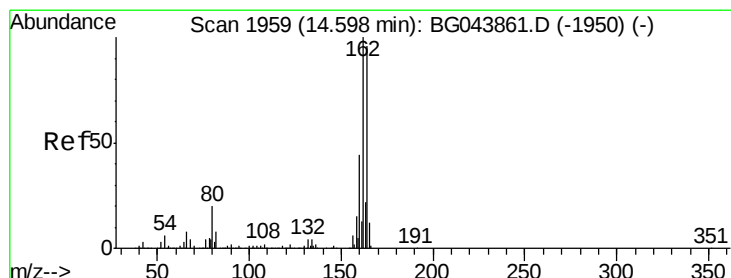
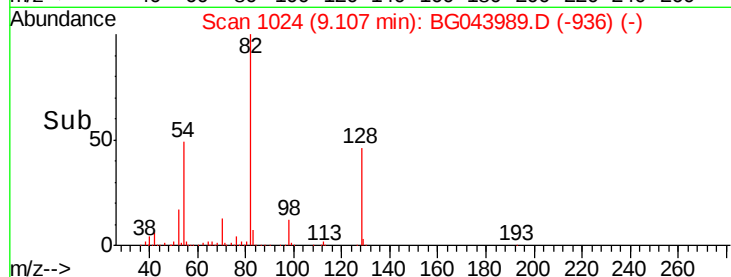
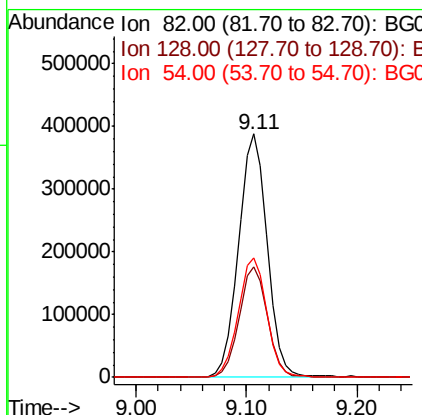
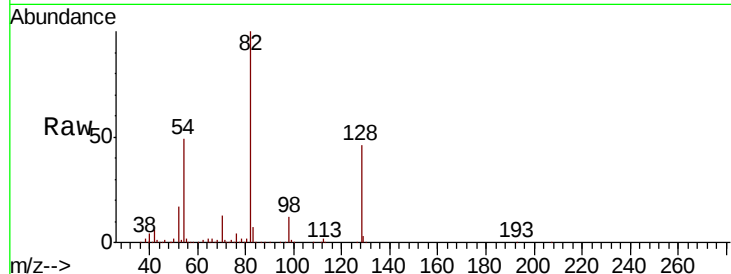




#23
 Nitrobenzene-d5
 Concen: 81.086 ng
 RT: 9.11 min Scan# 1024
 Delta R.T. -0.02 min
 Lab File: BG043989.D
 Acq: 9 Jan 2020 6:29

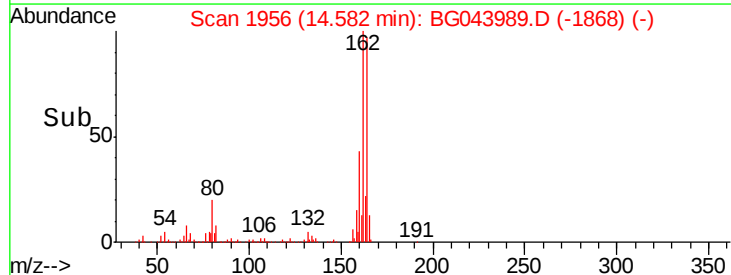
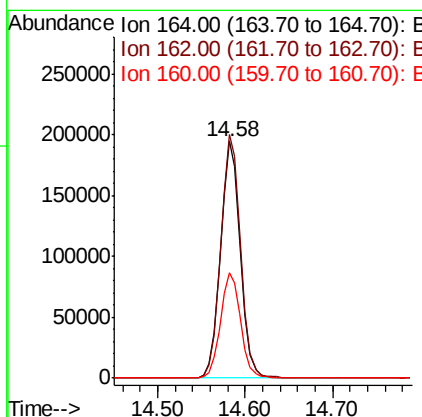
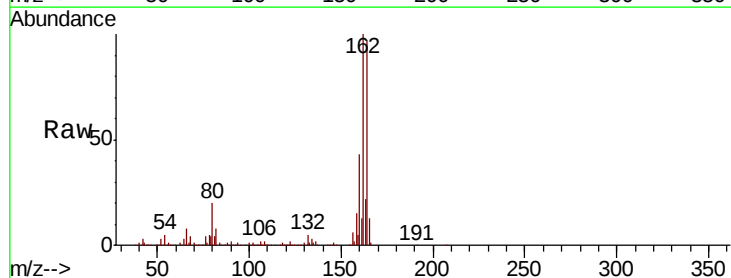
Instrument :
 BNA_G
 ClientSampleId :
 225-230

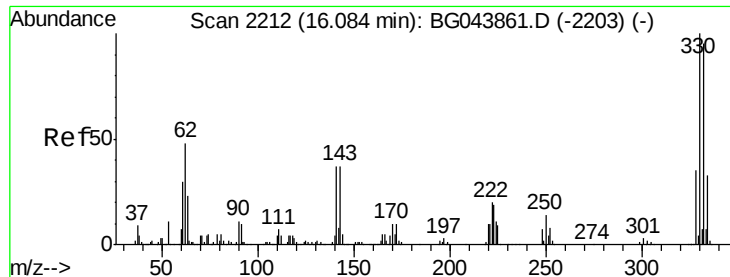
Tot Ion	82	Resp	707232
Ion Ratio	Lower	Upper	
82	100		
128	45.5	35.1	52.7
54	48.8	40.1	60.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. -0.02 min
 Lab File: BG043989.D
 Acq: 9 Jan 2020 6:29

Tgt Ion	164	Resp	303260
Ion Ratio	Lower	Upper	
164	100		
162	102.8	83.0	124.4
160	44.7	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 142.984 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.02 min

Lab File: BG043989.D

Acq: 9 Jan 2020 6:29

Instrument :

BNA_G

ClientSampleId :

225-230

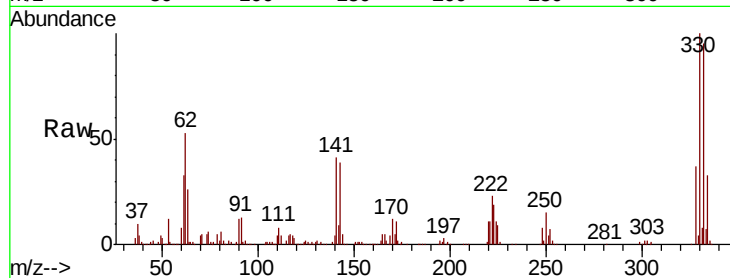
Tot Ion:330 Resp: 453769

Ion Ratio Lower Upper

330 100

332 96.4 77.2 115.8

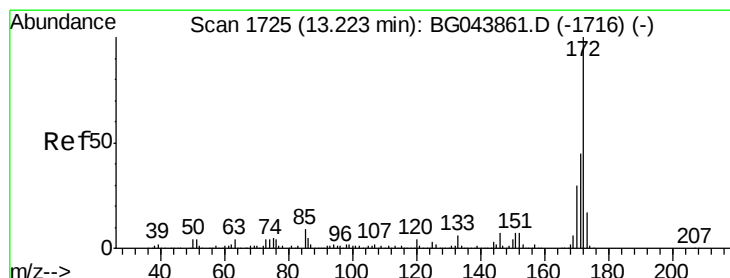
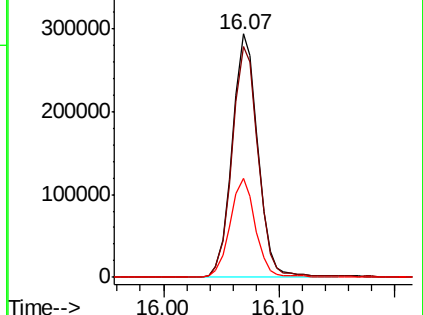
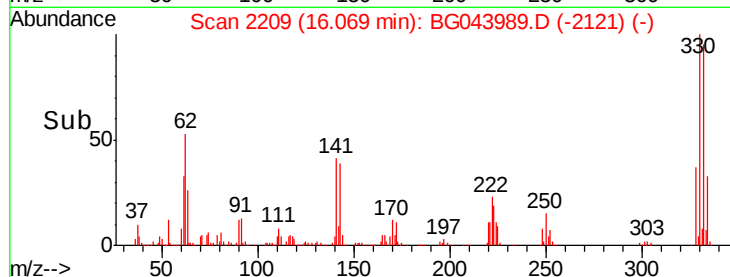
141 40.3 33.1 49.7



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: 91.993 ng

RT: 13.21 min Scan# 1722

Delta R.T. -0.02 min

Lab File: BG043989.D

Acq: 9 Jan 2020 6:29

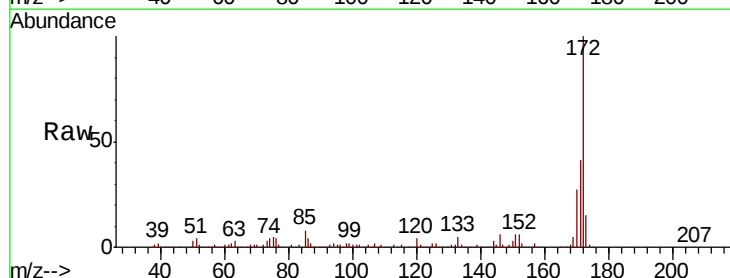
Tgt Ion:172 Resp: 1539811

Ion Ratio Lower Upper

172 100

171 40.5 35.8 53.8

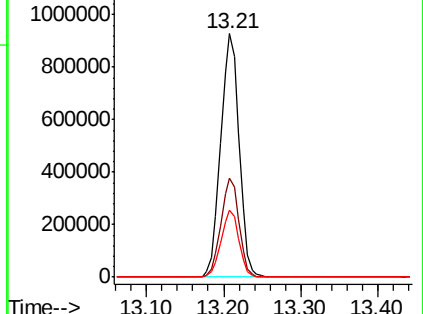
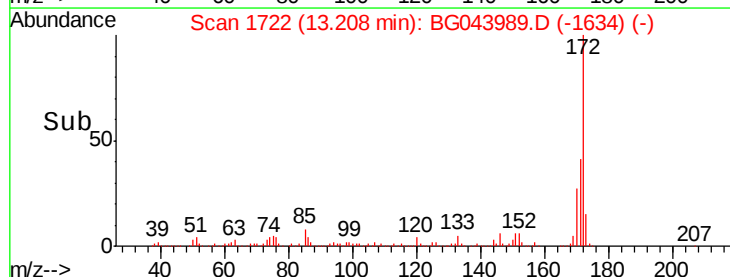
170 27.4 24.2 36.4

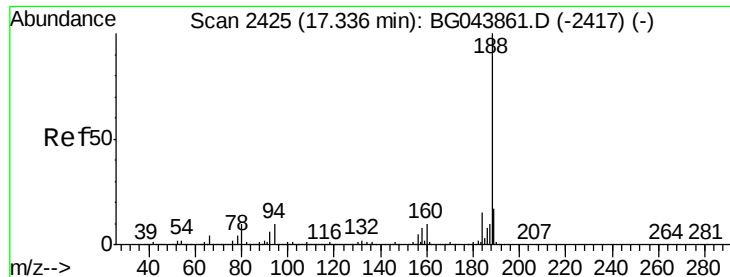


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

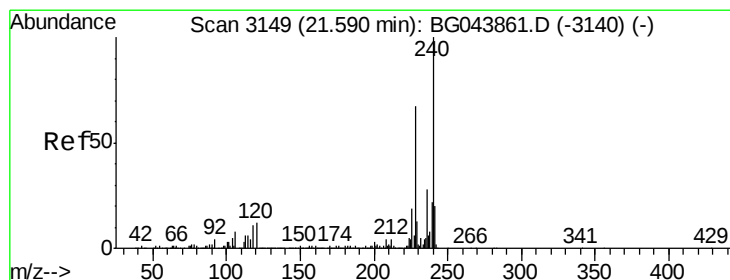
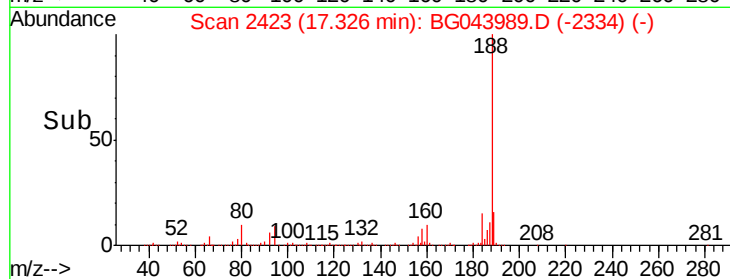
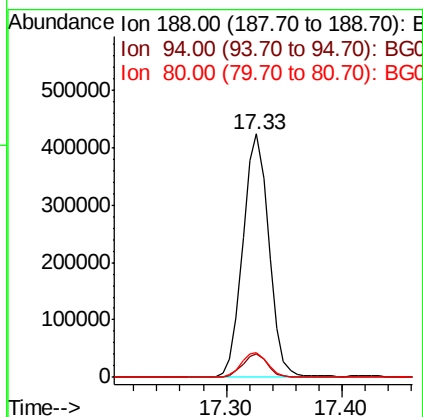
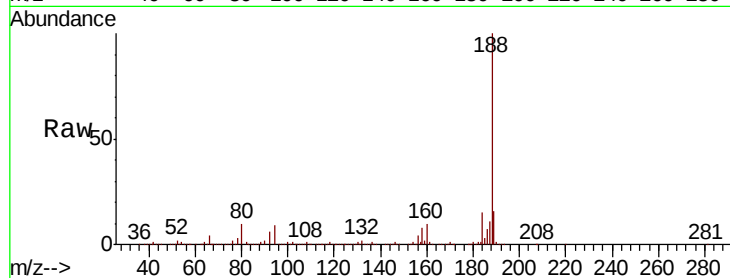




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.33 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG043989.D
Acq: 9 Jan 2020 6:29

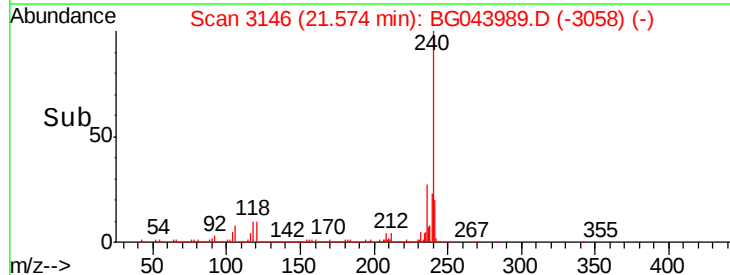
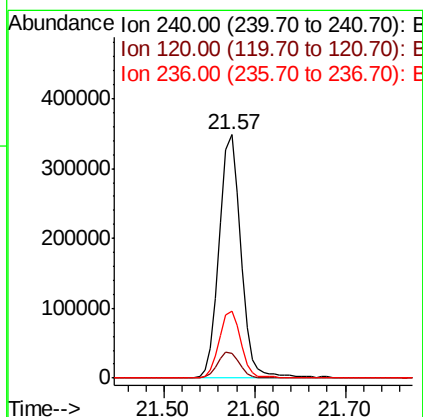
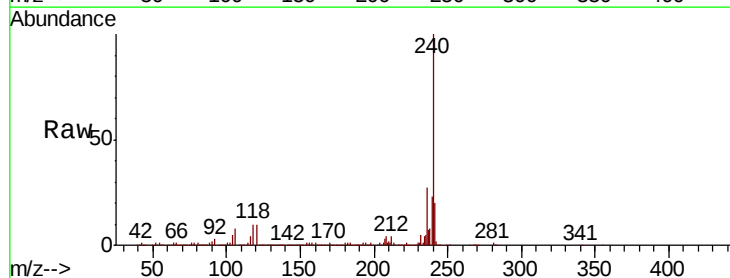
Instrument :
BNA_G
ClientSampled :
225-230

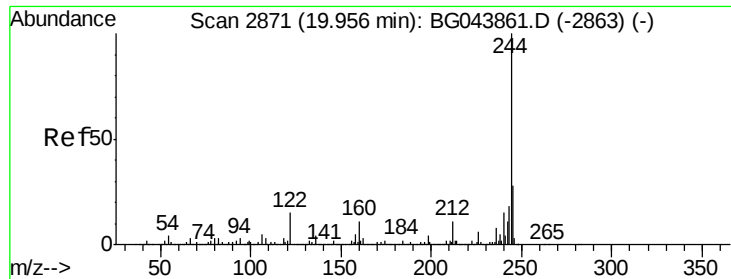
Tot Ion:188 Resp: 664931
Ion Ratio Lower Upper
188 100
94 9.4 7.9 11.9
80 10.0 8.2 12.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3146
Delta R.T. -0.02 min
Lab File: BG043989.D
Acq: 9 Jan 2020 6:29

Tgt Ion:240 Resp: 583054
Ion Ratio Lower Upper
240 100
120 10.3 9.6 14.4
236 27.5 22.2 33.2





#79

Terphenyl-d14

Concen: 97.016 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG043989.D

Acq: 9 Jan 2020 6:29

Instrument :

BNA_G

ClientSampleId :

225-230

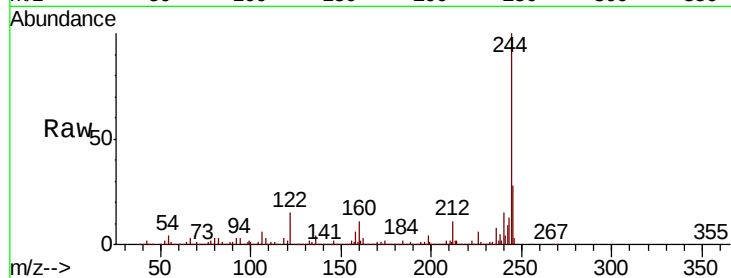
Tot Ion:244 Resp: 2262432

Ion Ratio Lower Upper

244 100

212 10.9 8.6 13.0

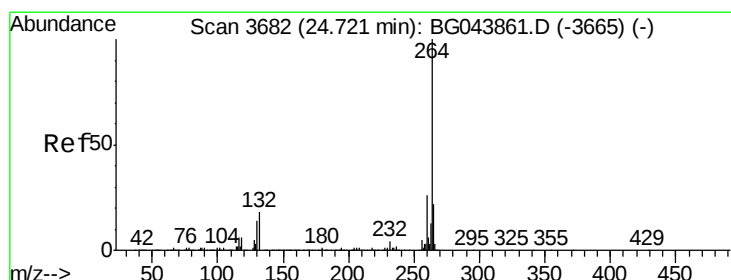
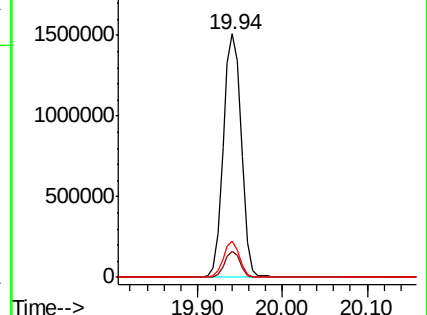
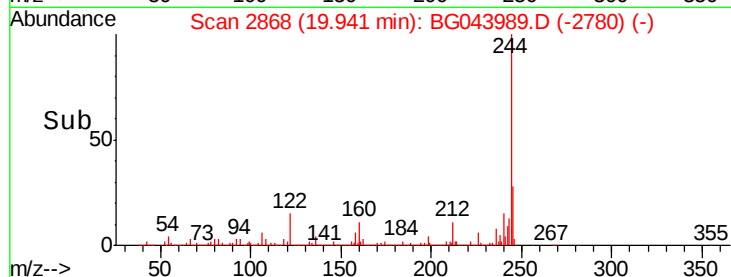
122 14.7 11.9 17.9



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: 24.69 min Scan# 3676

Delta R.T. -0.03 min

Lab File: BG043989.D

Acq: 9 Jan 2020 6:29

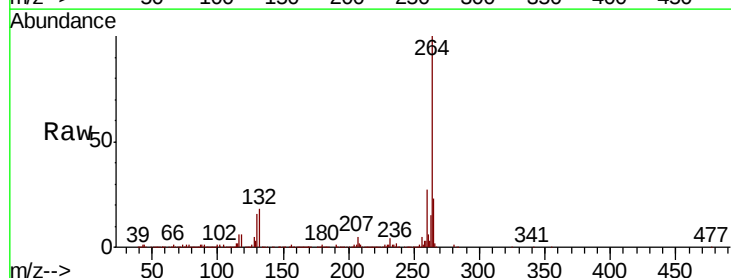
Tgt Ion:264 Resp: 595353

Ion Ratio Lower Upper

264 100

260 26.7 20.4 30.6

265 23.0 17.4 26.2



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

