

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081719\
 Data File : BG042273.D
 Acq On : 16 Aug 2019 23:43
 Operator : HP/JU
 Sample : K4265-12
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-4-A1-A4-(3.4)

Quant Time: Aug 17 00:48:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 08:57:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	55094	20.00	ng	-0.03
21) Naphthalene-d8	10.84	136	201829	20.00	ng	-0.03
39) Acenaphthene-d10	14.67	164	153188	20.00	ng	-0.03
64) Phenanthrene-d10	17.42	188	386070	20.00	ng	-0.03
76) Chrysene-d12	21.71	240	455241	20.00	ng	-0.03
87) Perylene-d12	24.96	264	524387	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	336415	118.80	ng	-0.02
7) Phenol-d6	7.17	99	392444	102.80	ng	-0.02
23) Nitrobenzene-d5	9.18	82	304129	103.70	ng	-0.03
42) 2,4,6-Tribromophenol	16.17	330	346959	199.40	ng	-0.02
45) 2-Fluorobiphenyl	13.29	172	949929	109.37	ng	-0.03
79) Terphenyl-d14	20.04	244	2014780	101.27	ng	-0.03

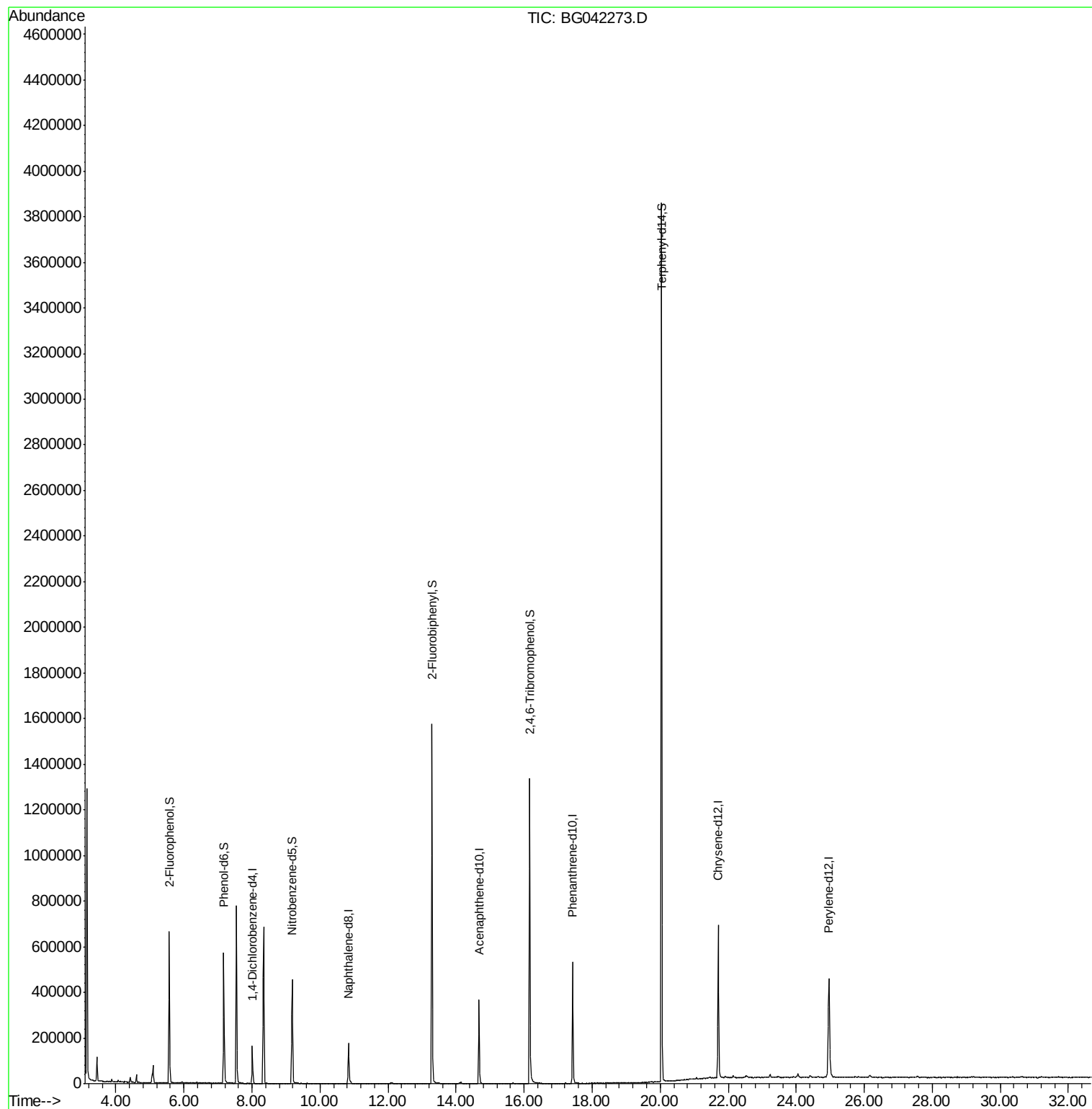
Target Compounds Qvalue

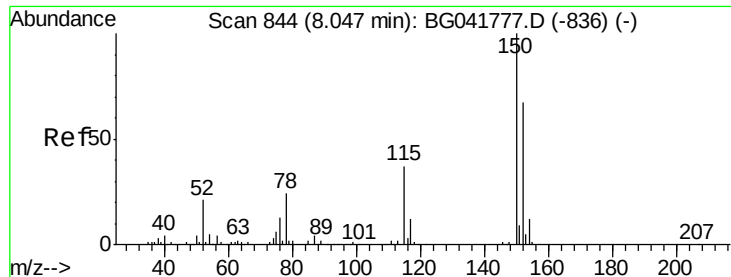
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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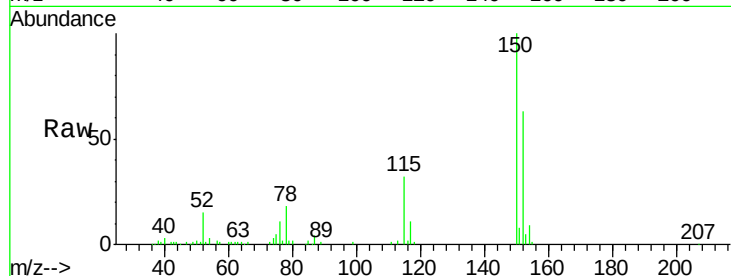


#1

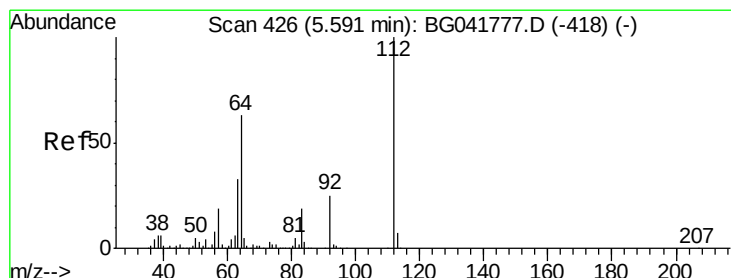
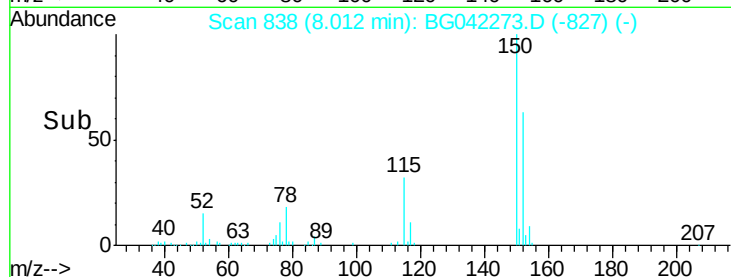
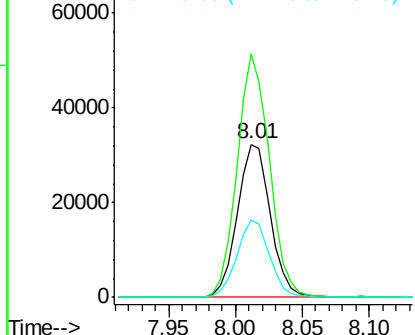
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. -0.03 min
Lab File: BG042273.D
Acq: 16 Aug 2019 23:43

Instrument :
BNA_G
ClientSampleId :
REACTOR-4-A1-A4-(3.4)

Tot Ion:152 Resp: 55094
Ion Ratio Lower Upper
152 100
150 158.9 126.9 190.3
115 50.2 45.0 67.6



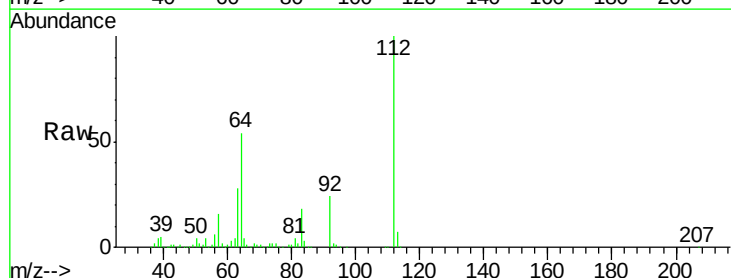
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



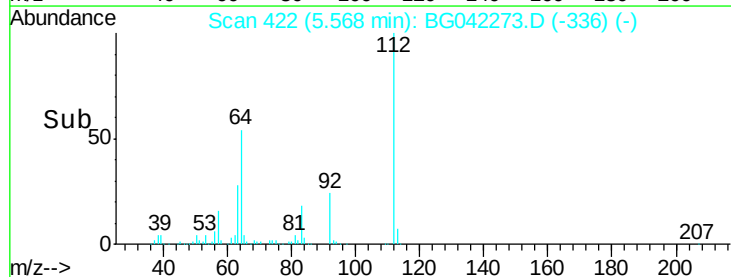
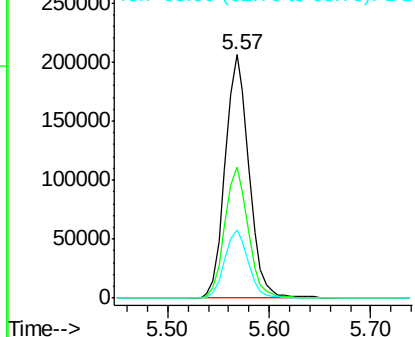
#5

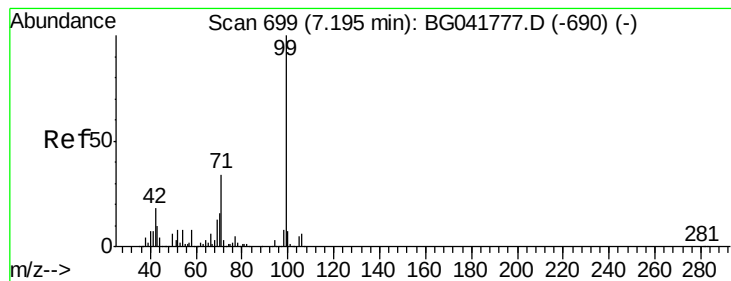
2-Fluorophenol
Concen: 118.803 ng
RT: 5.57 min Scan# 422
Delta R.T. -0.02 min
Lab File: BG042273.D
Acq: 16 Aug 2019 23:43

Tgt Ion:112 Resp: 336415
Ion Ratio Lower Upper
112 100
64 53.6 55.4 83.2#
63 27.9 29.1 43.7#



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: 102.799 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.02 min

Lab File: BG042273.D

Acq: 16 Aug 2019 23:43

Instrument :

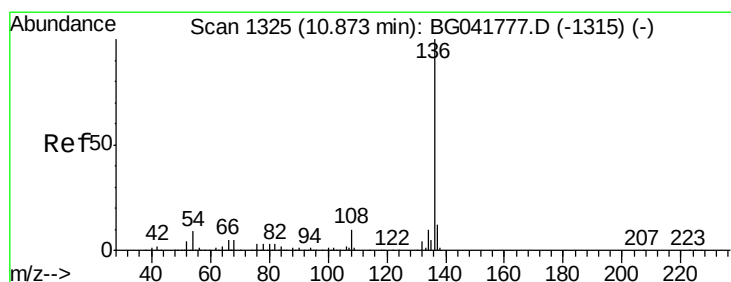
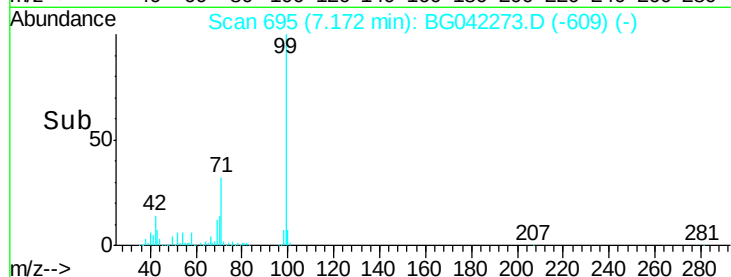
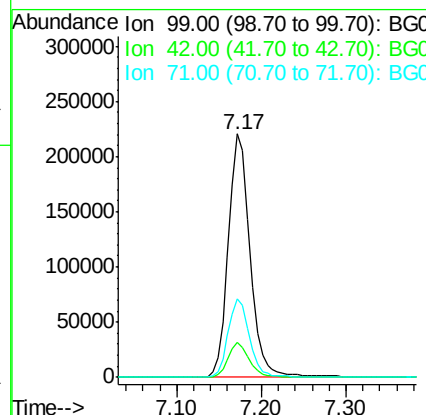
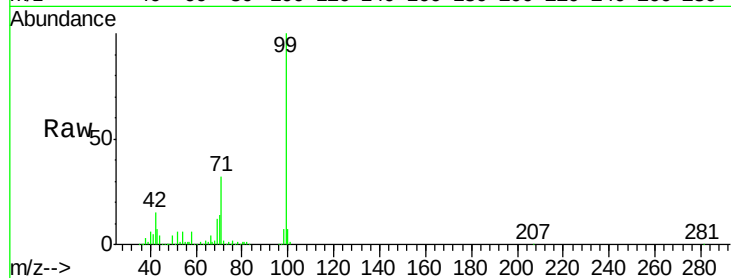
BNA_G

ClientSampleId :

REACTOR-4-A1-A4-(3.4)

Tot Ion: 99 Resp: 392444

Ion	Ratio	Lower	Upper
99	100		
42	14.5	17.6	26.4#
71	32.0	27.8	41.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.84 min Scan# 1319

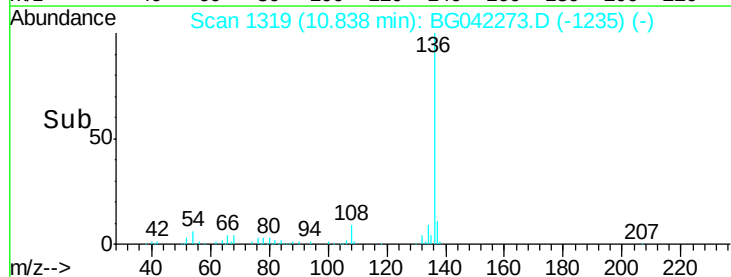
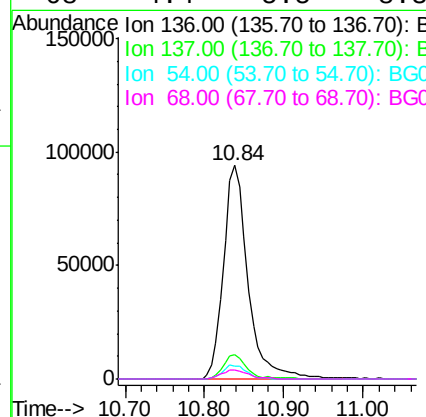
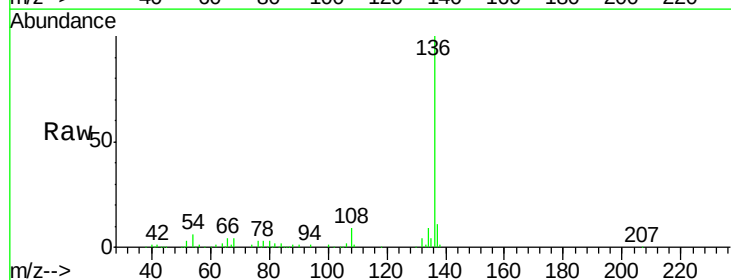
Delta R.T. -0.03 min

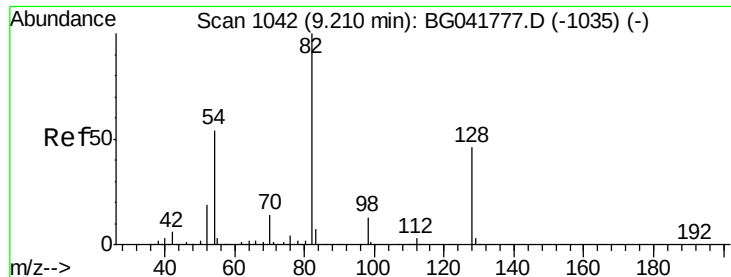
Lab File: BG042273.D

Acq: 16 Aug 2019 23:43

Tgt Ion: 136 Resp: 201829

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	6.2	8.7	13.1#
68	4.4	5.5	8.3#

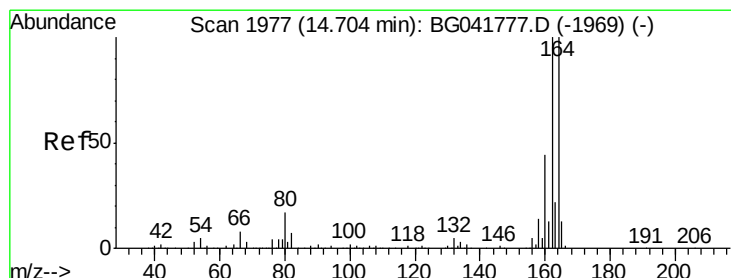
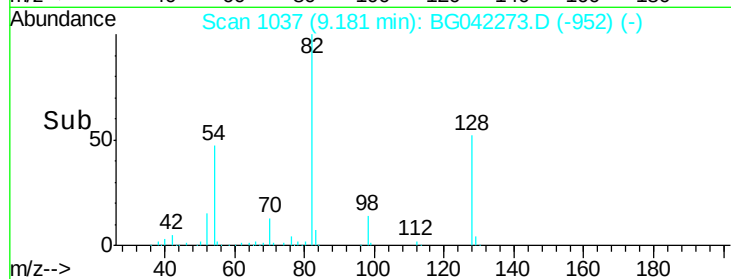
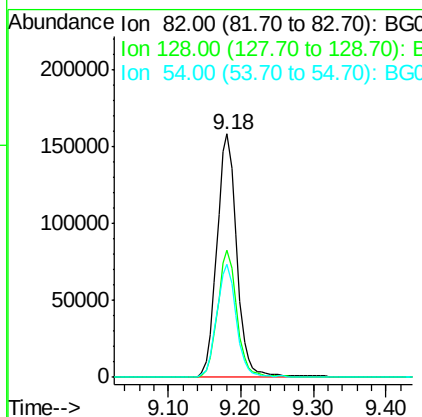
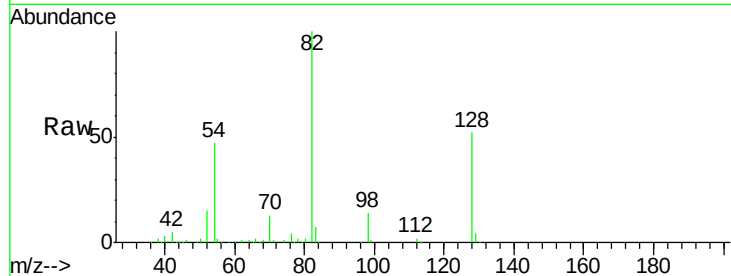




#23
 Nitrobenzene-d5
 Concen: 103.697 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. -0.03 min
 Lab File: BG042273.D
 Acq: 16 Aug 2019 23:43

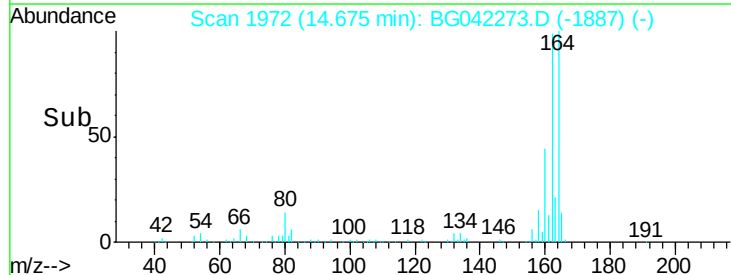
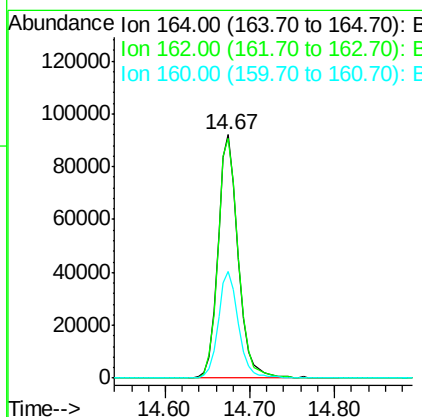
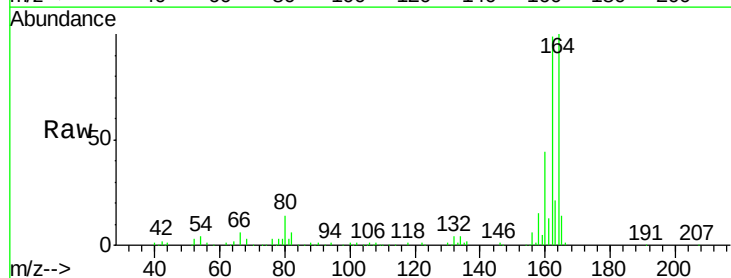
Instrument :
 BNA_G
 ClientSampleId :
 REACTOR-4-A1-A4-(3.4)

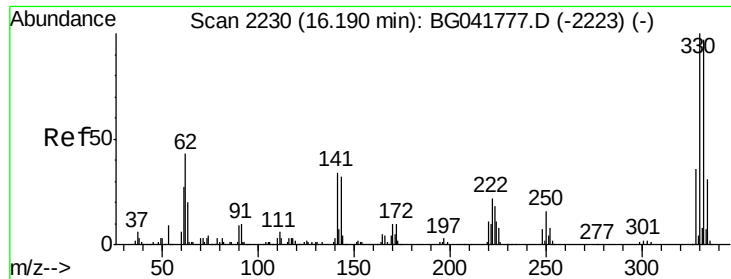
Tot Ion	82	Resp	304129
Ion Ratio	Lower	Upper	
82	100		
128	52.0	35.1	52.7
54	46.7	48.7	73.1#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.03 min
 Lab File: BG042273.D
 Acq: 16 Aug 2019 23:43

Tgt Ion	164	Resp	153188
Ion Ratio	Lower	Upper	
164	100		
162	98.5	79.6	119.4
160	44.0	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 199.401 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.02 min

Lab File: BG042273.D

Acq: 16 Aug 2019 23:43

Instrument :

BNA_G

ClientSampleId :

REACTOR-4-A1-A4-(3.4)

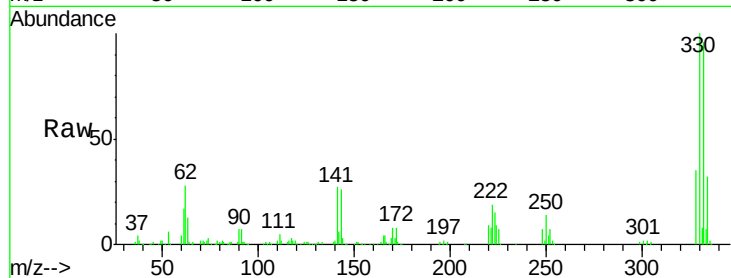
Tot Ion:330 Resp: 346959

Ion Ratio Lower Upper

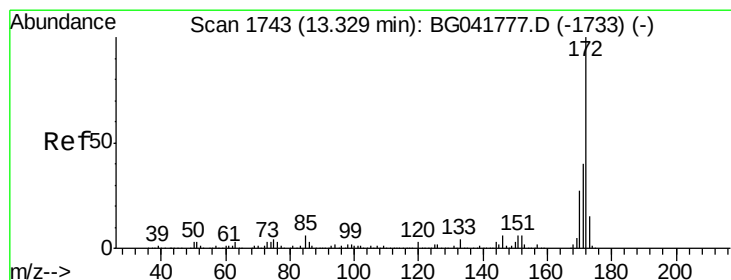
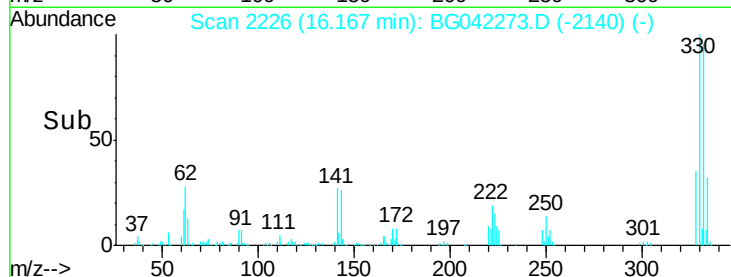
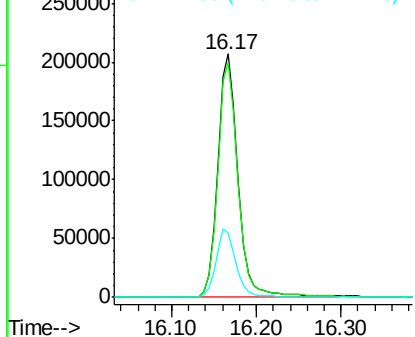
330 100

332 97.5 77.4 116.0

141 28.2 31.9 47.9#



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: 109.370 ng

RT: 13.29 min Scan# 1737

Delta R.T. -0.03 min

Lab File: BG042273.D

Acq: 16 Aug 2019 23:43

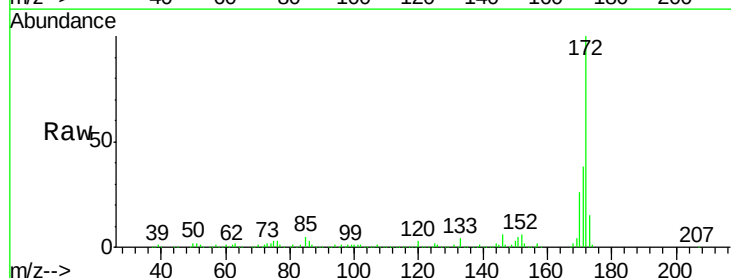
Tgt Ion:172 Resp: 949929

Ion Ratio Lower Upper

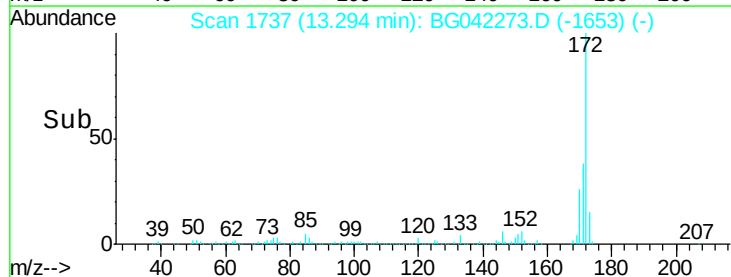
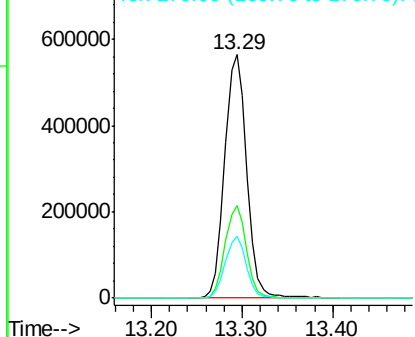
172 100

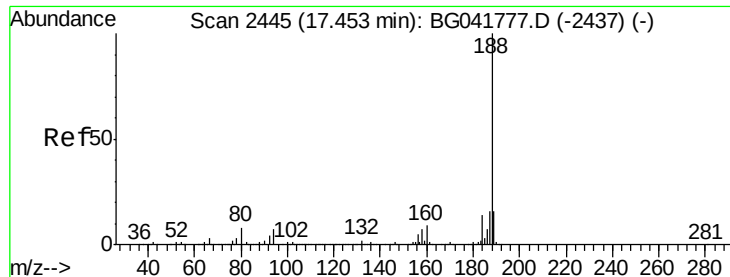
171 37.8 35.0 52.4

170 25.7 23.5 35.3



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

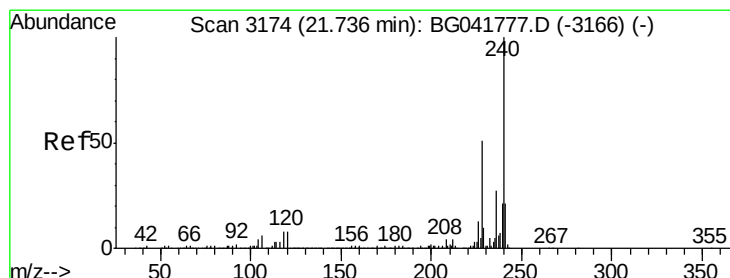
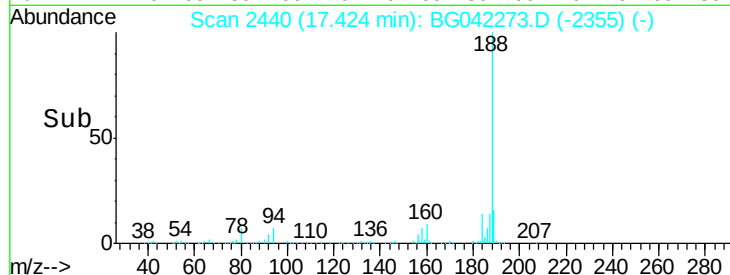
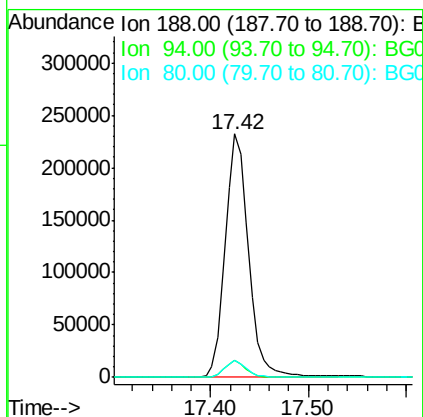
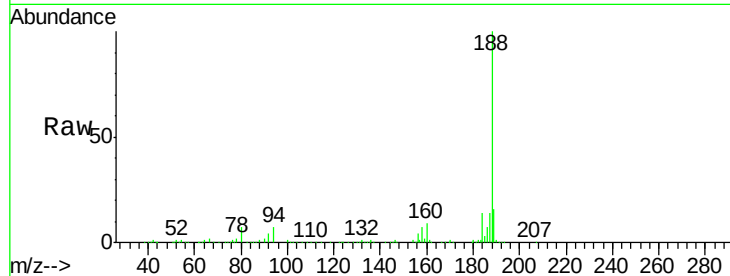




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2440
Delta R.T. -0.03 min
Lab File: BG042273.D
Acq: 16 Aug 2019 23:43

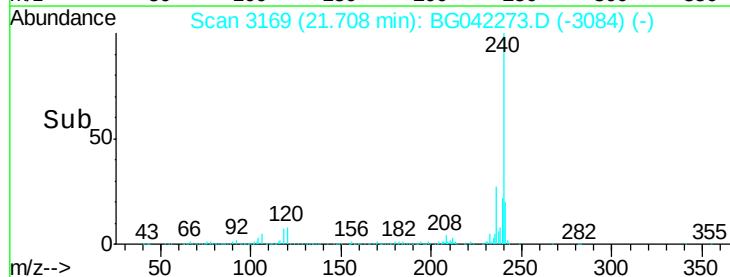
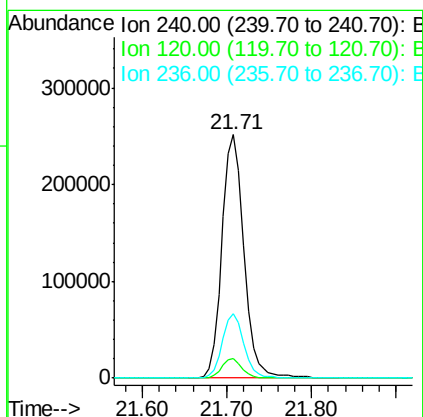
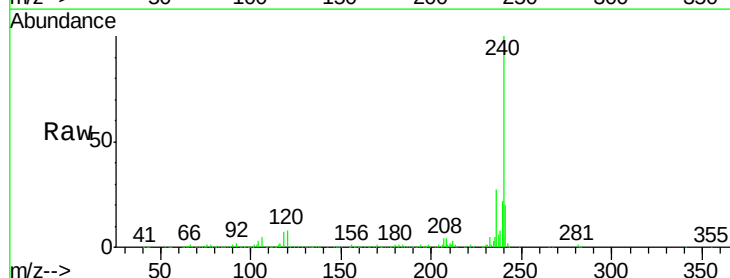
Instrument :
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REACTOR-4-A1-A4-(3.4)

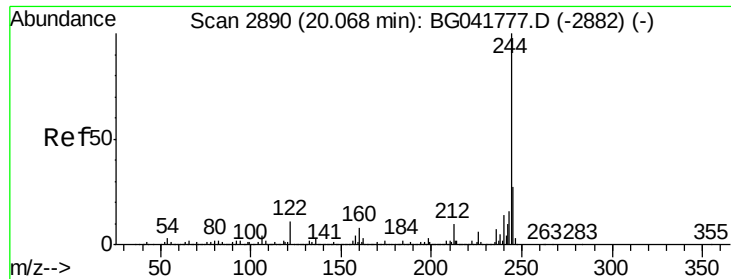
Tot Ion:188 Resp: 386070
Ion Ratio Lower Upper
188 100
94 6.8 6.9 10.3#
80 6.8 8.0 12.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.71 min Scan# 3169
Delta R.T. -0.03 min
Lab File: BG042273.D
Acq: 16 Aug 2019 23:43

Tgt Ion:240 Resp: 455241
Ion Ratio Lower Upper
240 100
120 8.0 8.0 12.0#
236 26.6 22.6 33.8





#79

Terphenyl-d14

Concen: 101.273 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.03 min

Lab File: BG042273.D

Acq: 16 Aug 2019 23:43

Instrument :

BNA_G

ClientSampleId :

REACTOR-4-A1-A4-(3.4)

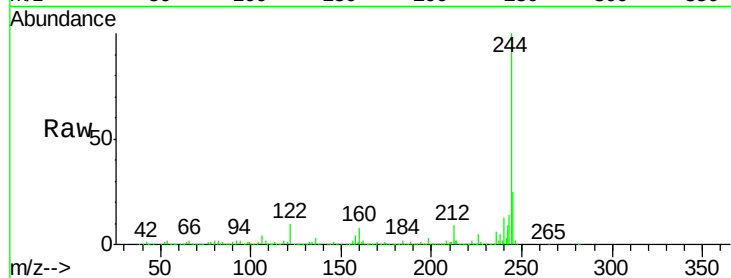
Tot Ion:244 Resp: 2014780

Ion Ratio Lower Upper

244 100

212 8.5 9.7 14.5#

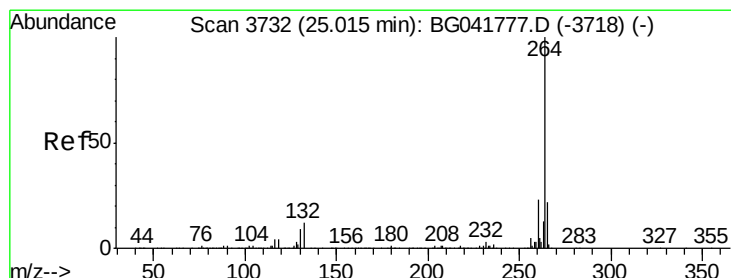
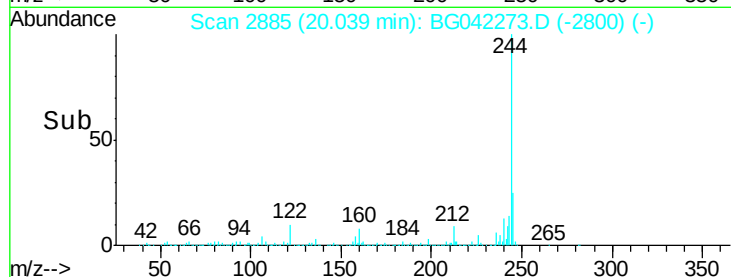
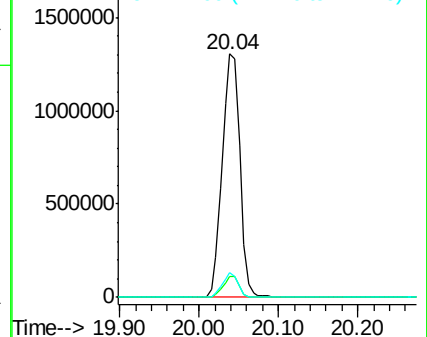
122 10.3 12.5 18.7#



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: 24.96 min Scan# 3723

Delta R.T. -0.05 min

Lab File: BG042273.D

Acq: 16 Aug 2019 23:43

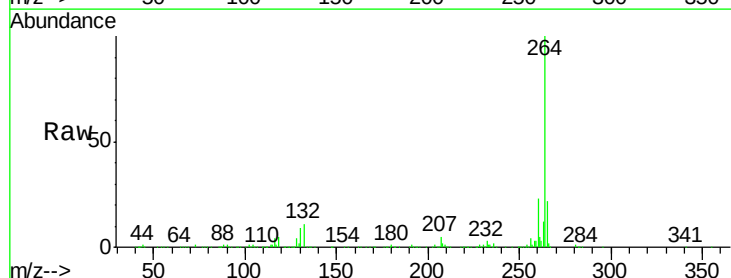
Tgt Ion:264 Resp: 524387

Ion Ratio Lower Upper

264 100

260 23.1 19.5 29.3

265 22.0 18.0 27.0



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

