

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061919\
 Data File : BG041328.D
 Acq On : 19 Jun 2019 15:04
 Operator : HP/JU
 Sample : K3154-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-061419-A

Quant Time: Jun 19 16:35:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

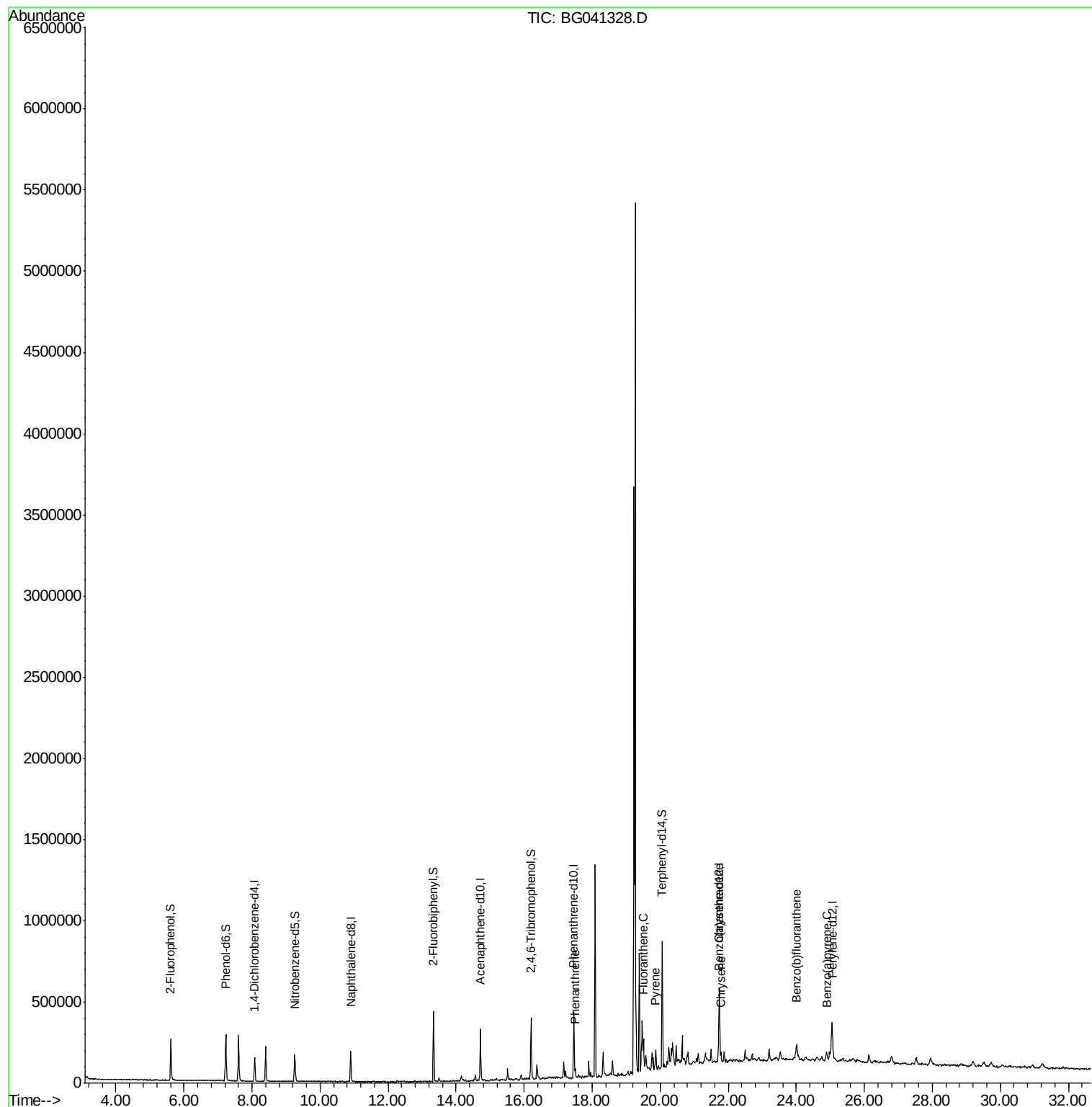
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	38700	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	156655	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	106393	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	249968	20.00	ng	0.00
76) Chrysene-d12	21.74	240	256635	20.00	ng	0.00
87) Perylene-d12	25.05	264	283718	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	104310	49.52	ng	0.00
7) Phenol-d6	7.23	99	149748	49.05	ng	0.00
23) Nitrobenzene-d5	9.26	82	106890	28.70	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	69862	42.77	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	230595	29.46	ng	0.00
79) Terphenyl-d14	20.06	244	372151	28.74	ng	0.00
Target Compounds						
71) Phenanthrene	17.51	178	31339	2.351	ng	98
75) Fluoranthene	19.51	202	89620	5.060	ng	99
78) Pyrene	19.87	202	86799	5.015	ng	97
81) Benzo(a)anthracene	21.72	228	51979	2.991	ng	96
83) Chrysene	21.78	228	51994	3.111	ng	96
88) Benzo(b)fluoranthene	23.99	252	59108	3.362	ng	# 89
90) Benzo(a)pyrene	24.89	252	46529	2.802	ng	92

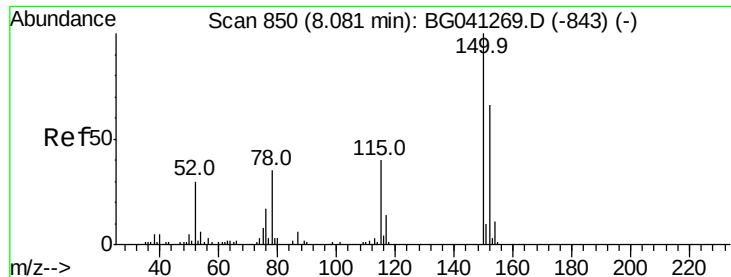
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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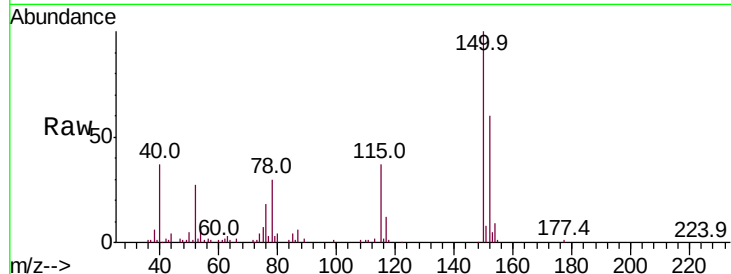


#1

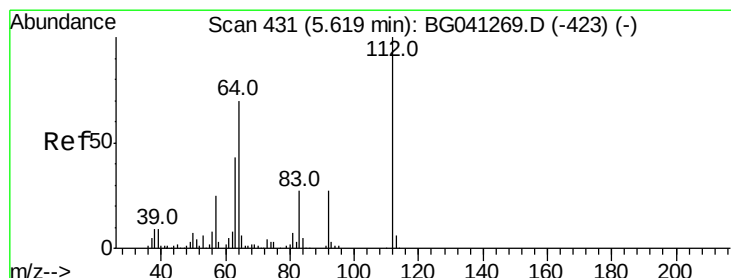
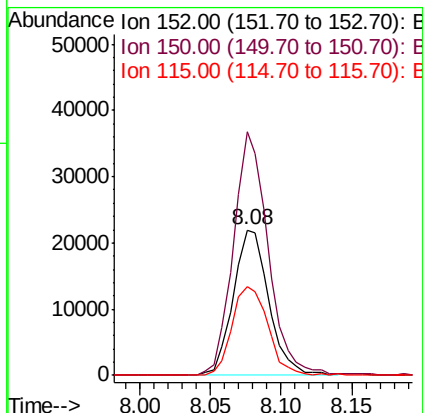
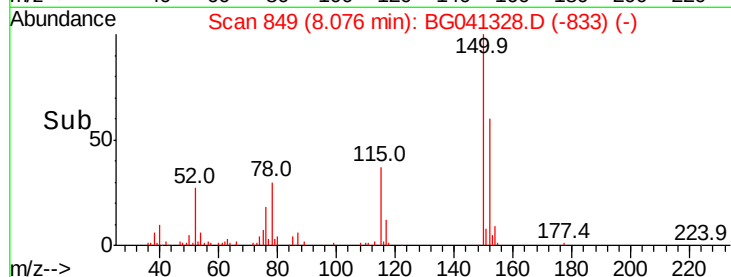
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.01 min
Lab File: BG041328.D
Acq: 19 Jun 2019 15:04

Instrument :
BNA_G
ClientSampleId :
JC-02-061419-A

Tot Ion:152 Resp: 38700
Ion Ratio Lower Upper
152 100
150 167.6 120.6 181.0
115 61.2 47.9 71.9



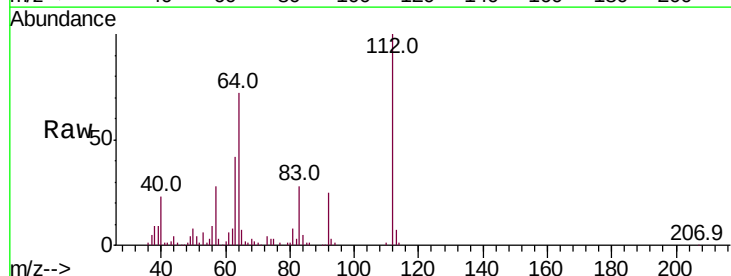
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



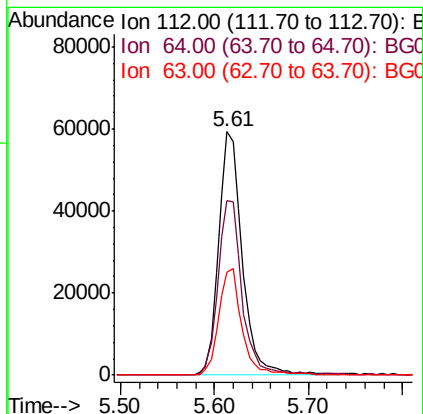
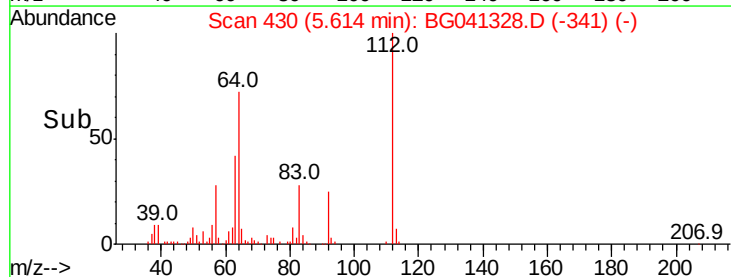
#5

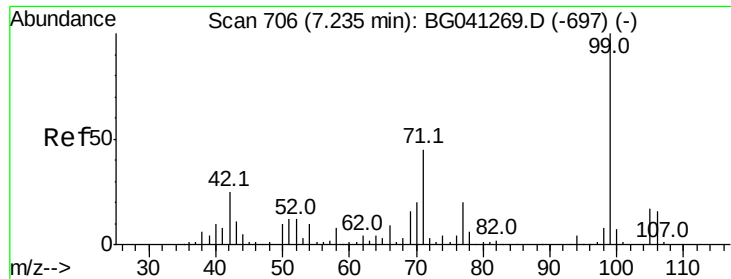
2-Fluorophenol
Concen: 49.525 ng
RT: 5.61 min Scan# 430
Delta R.T. -0.01 min
Lab File: BG041328.D
Acq: 19 Jun 2019 15:04

Tgt Ion:112 Resp: 104310
Ion Ratio Lower Upper
112 100
64 71.6 55.9 83.9
63 42.0 34.6 51.8



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: 49.050 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG041328.D

Acq: 19 Jun 2019 15:04

Instrument :

BNA_G

ClientSampleId :

JC-02-061419-A

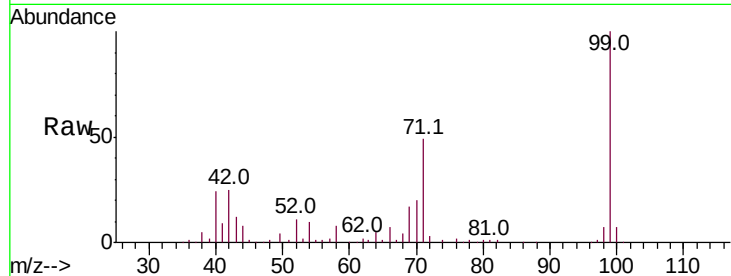
Tot Ion: 99 Resp: 149748

Ion Ratio Lower Upper

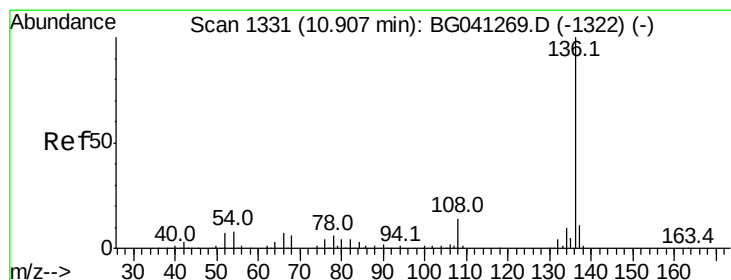
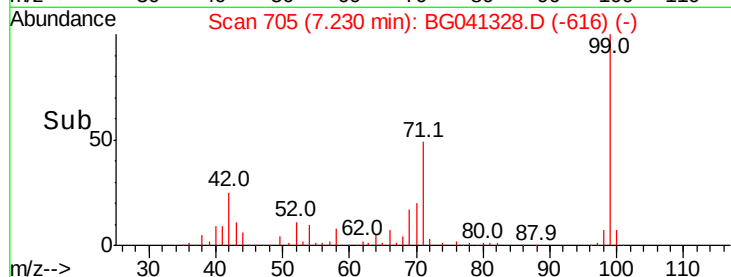
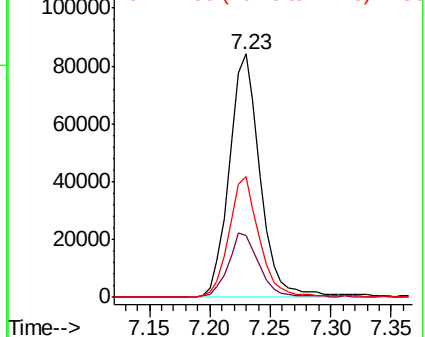
99 100

42 25.4 19.9 29.9

71 49.4 36.4 54.6



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: 10.90 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BG041328.D

Acq: 19 Jun 2019 15:04

Tgt Ion: 136 Resp: 156655

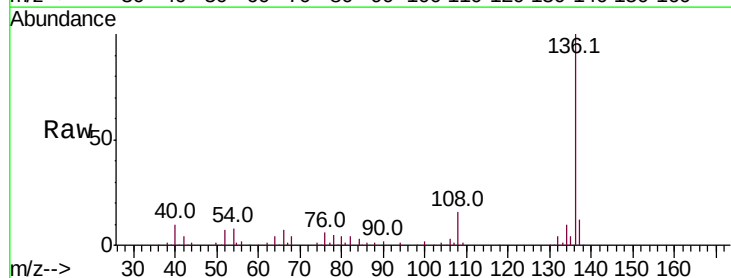
Ion Ratio Lower Upper

136 100

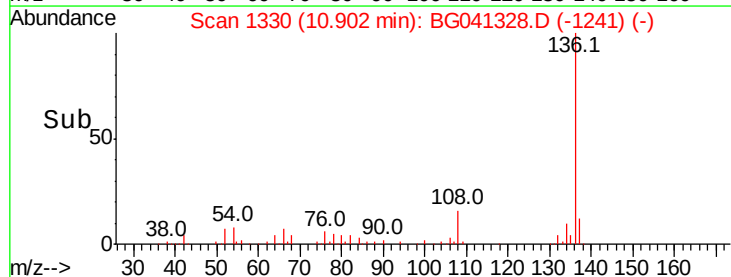
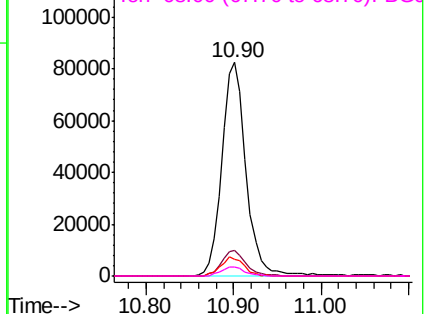
137 11.8 8.8 13.2

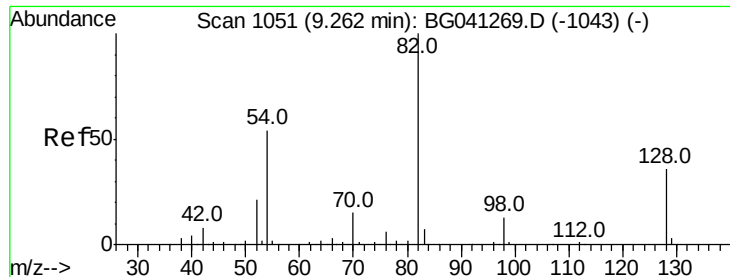
54 8.9 6.4 9.6

68 3.9 4.8 7.2#



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

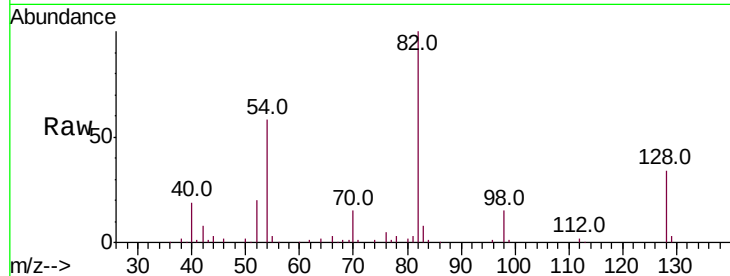




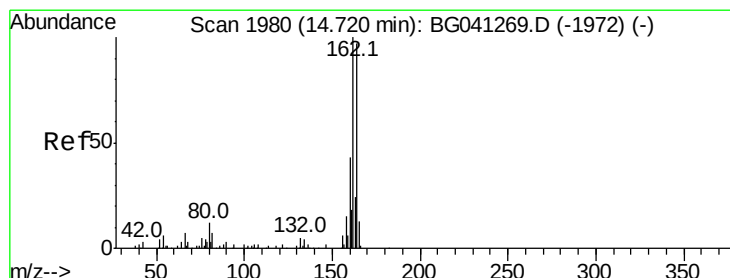
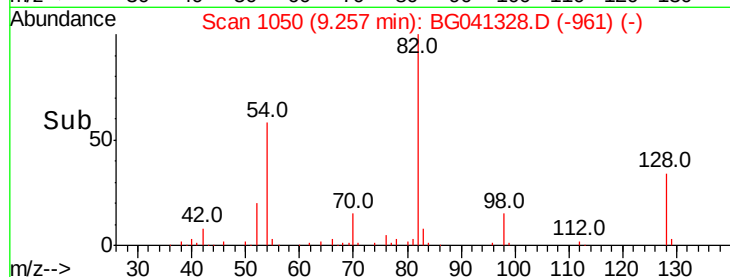
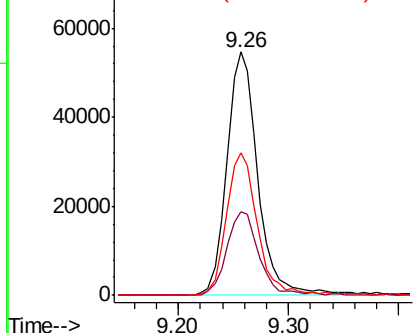
#23
 Nitrobenzene-d5
 Concen: 28.696 ng
 RT: 9.26 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BG041328.D
 Acq: 19 Jun 2019 15:04

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-061419-A

Tot Ion	82	Resp	106890
Ion Ratio	Lower	Upper	
82	100		
128	34.1	29.2	43.8
54	58.5	43.4	65.0

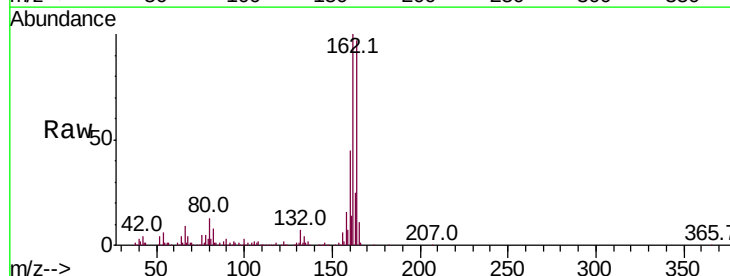


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

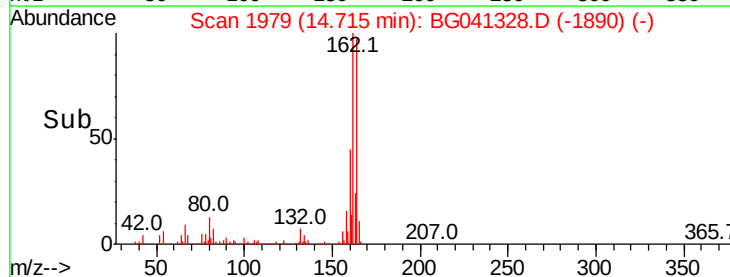
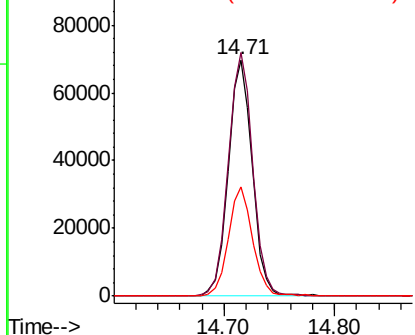


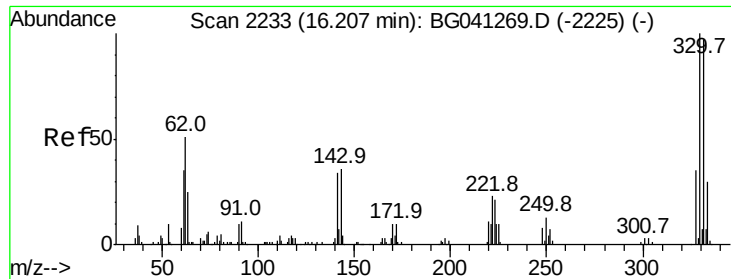
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.71 min Scan# 1979
 Delta R.T. -0.01 min
 Lab File: BG041328.D
 Acq: 19 Jun 2019 15:04

Tgt Ion	164	Resp	106393
Ion Ratio	Lower	Upper	
164	100		
162	102.9	82.8	124.2
160	46.1	35.8	53.8



Abundance Ion 164.00 (163.70 to 164.70): BGC
 Ion 162.00 (161.70 to 162.70): BGC
 Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 42.772 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.01 min

Lab File: BG041328.D

Acq: 19 Jun 2019 15:04

Instrument :

BNA_G

ClientSampleId :

JC-02-061419-A

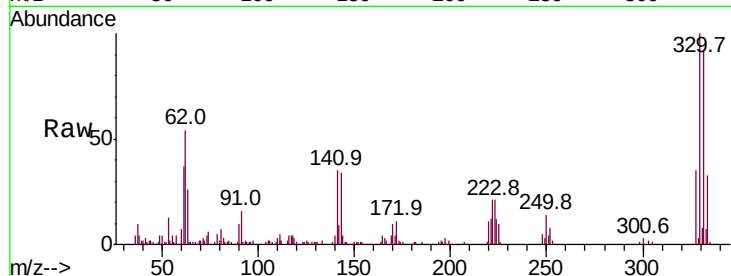
Tot Ion:330 Resp: 69862

Ion Ratio Lower Upper

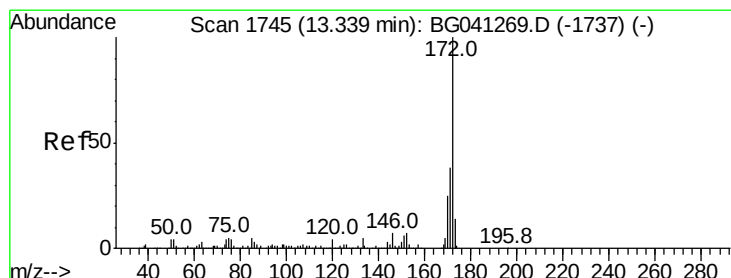
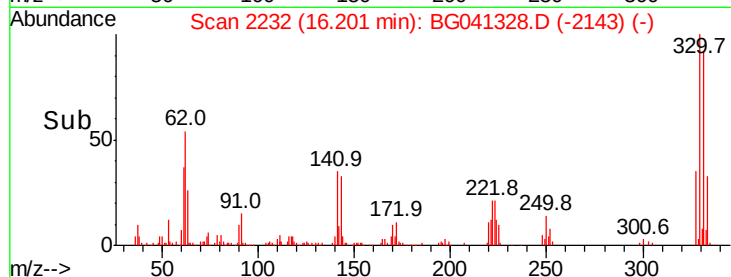
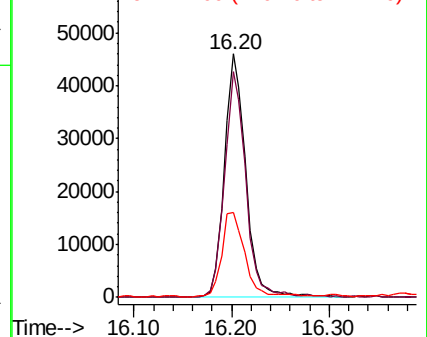
330 100

332 92.6 75.5 113.3

141 37.1 29.0 43.4



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: 29.458 ng

RT: 13.33 min Scan# 1744

Delta R.T. -0.01 min

Lab File: BG041328.D

Acq: 19 Jun 2019 15:04

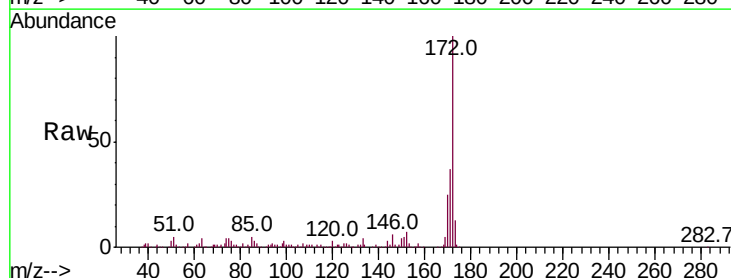
Tgt Ion:172 Resp: 230595

Ion Ratio Lower Upper

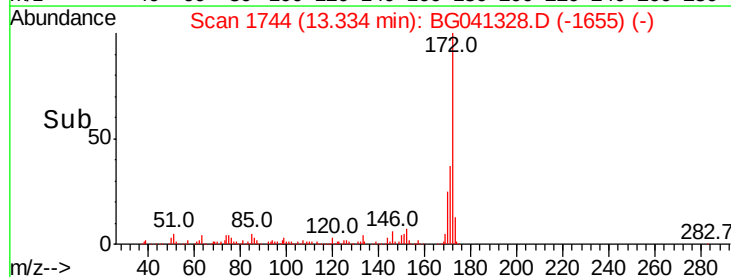
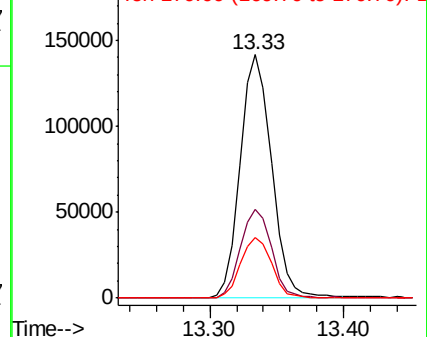
172 100

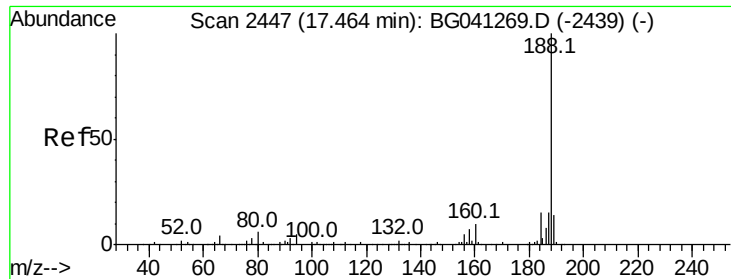
171 36.7 30.0 45.0

170 25.0 19.8 29.6



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

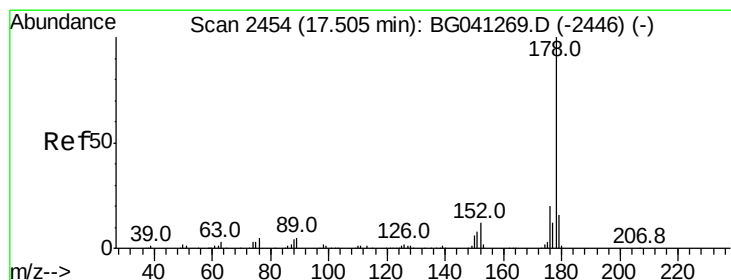
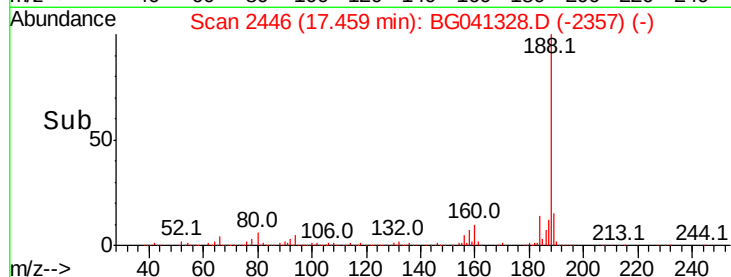
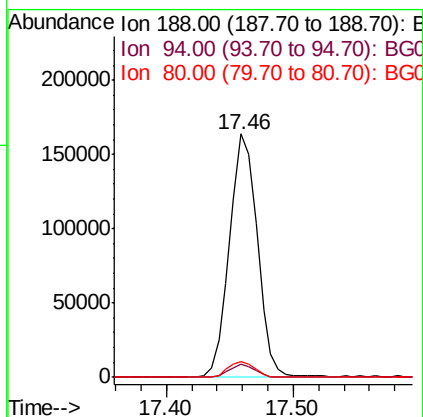
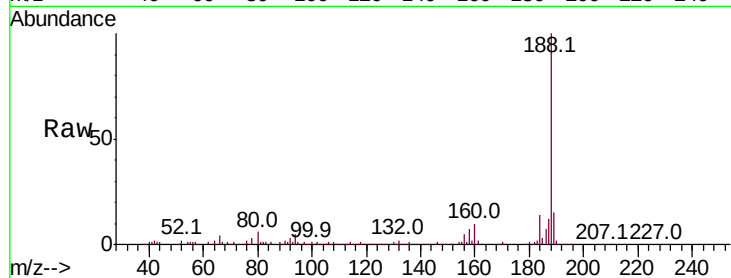




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.46 min Scan# 2446
Delta R.T. -0.01 min
Lab File: BG041328.D
Acq: 19 Jun 2019 15:04

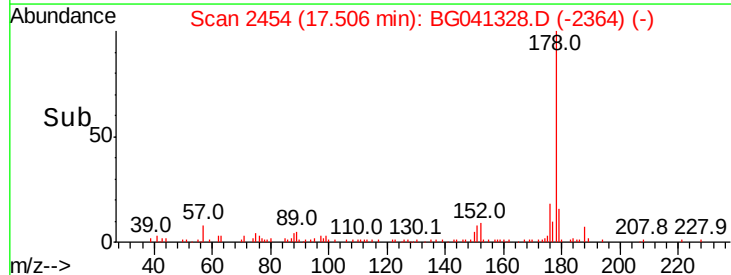
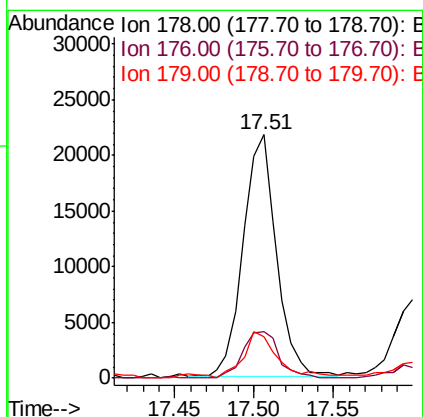
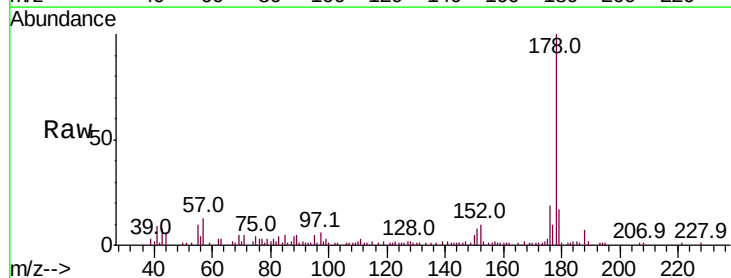
Instrument :
BNA_G
ClientSampleId :
JC-02-061419-A

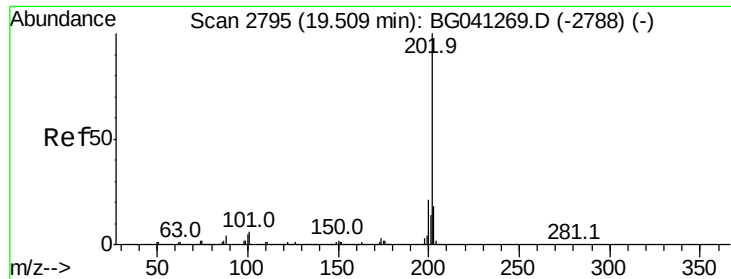
Tot Ion:188 Resp: 249968
Ion Ratio Lower Upper
188 100
94 5.2 3.6 5.4
80 6.5 4.8 7.2



#71
Phenanthrene
Concen: 2.351 ng
RT: 17.51 min Scan# 2454
Delta R.T. 0.00 min
Lab File: BG041328.D
Acq: 19 Jun 2019 15:04

Tgt Ion:178 Resp: 31339
Ion Ratio Lower Upper
178 100
176 19.1 16.1 24.1
179 16.9 12.9 19.3





#75

Fluoranthene

Concen: 5.060 ng

RT: 19.51 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BG041328.D

Acq: 19 Jun 2019 15:04

Instrument :

BNA_G

ClientSampleId :

JC-02-061419-A

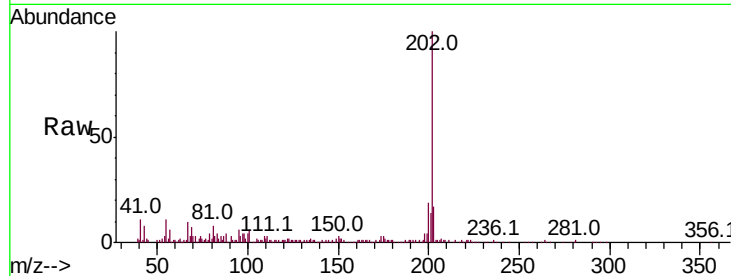
Tot Ion:202 Resp: 89620

Ion Ratio Lower Upper

202 100

101 5.7 0.0 26.0

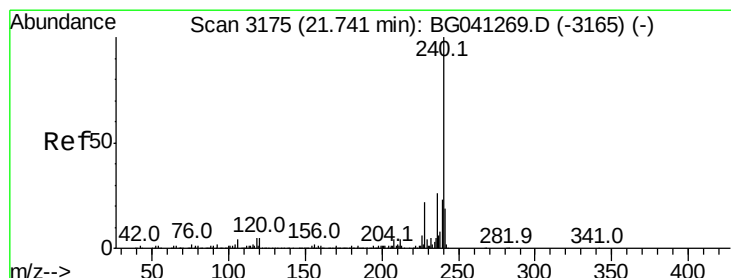
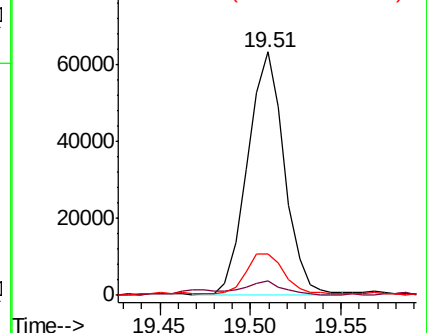
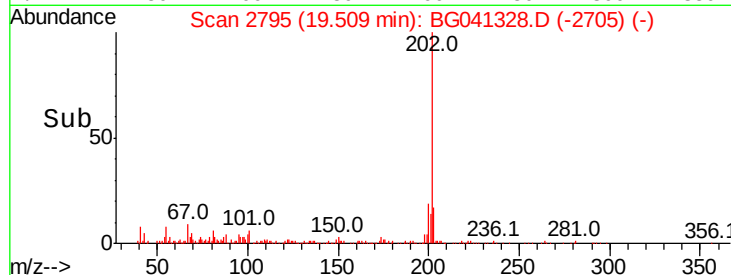
203 17.2 0.0 37.7



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: 21.74 min Scan# 3174

Delta R.T. -0.01 min

Lab File: BG041328.D

Acq: 19 Jun 2019 15:04

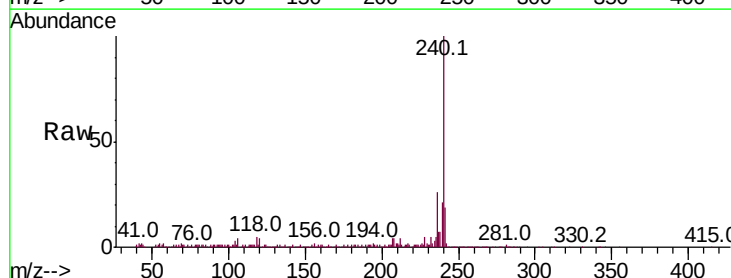
Tgt Ion:240 Resp: 256635

Ion Ratio Lower Upper

240 100

120 4.5 3.7 5.5

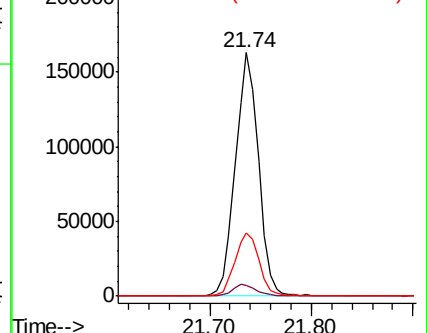
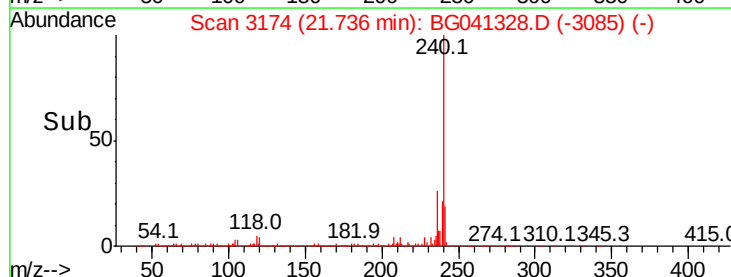
236 25.7 21.1 31.7

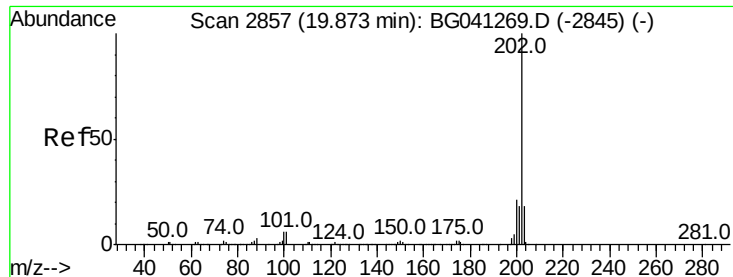


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.015 ng

RT: 19.87 min Scan# 2857

Delta R.T. 0.00 min

Lab File: BG041328.D

Acq: 19 Jun 2019 15:04

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JC-02-061419-A

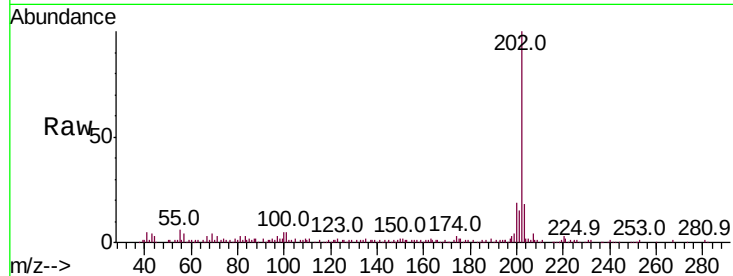
Tot Ion:202 Resp: 86799

Ion Ratio Lower Upper

202 100

200 19.0 16.8 25.2

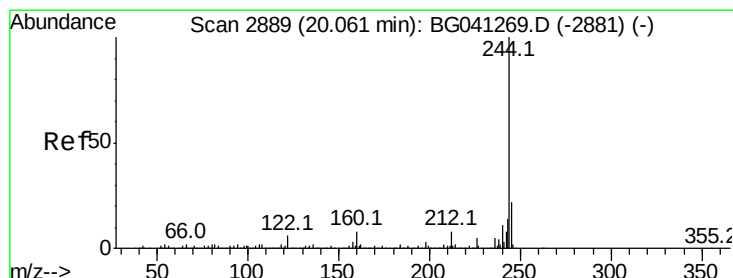
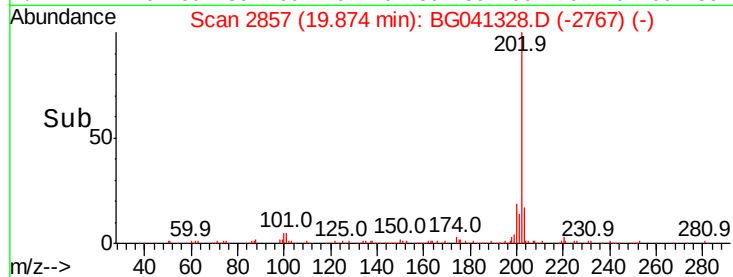
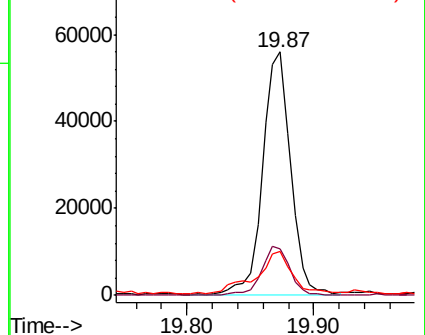
203 17.9 14.6 21.8



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



#79

Terphenyl-d14

Concen: 28.738 ng

RT: 20.06 min Scan# 2888

Delta R.T. -0.01 min

Lab File: BG041328.D

Acq: 19 Jun 2019 15:04

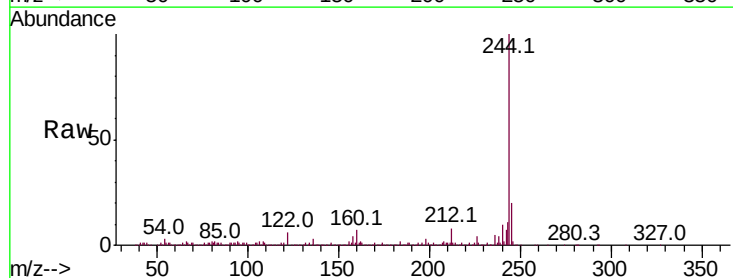
Tgt Ion:244 Resp: 372151

Ion Ratio Lower Upper

244 100

212 7.9 6.6 10.0

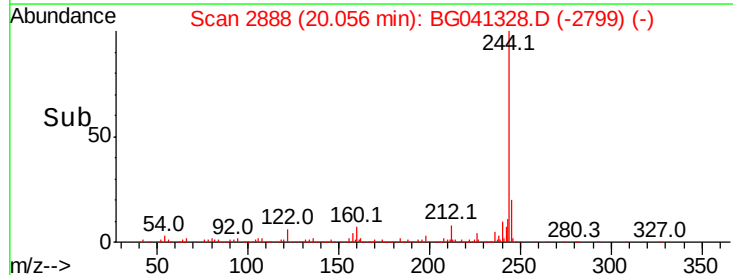
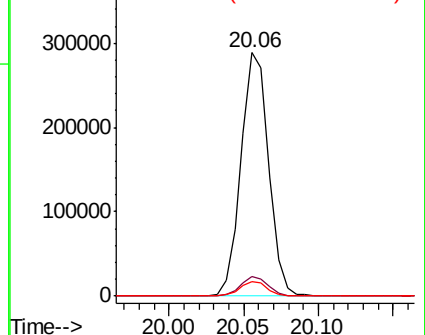
122 6.0 5.0 7.4

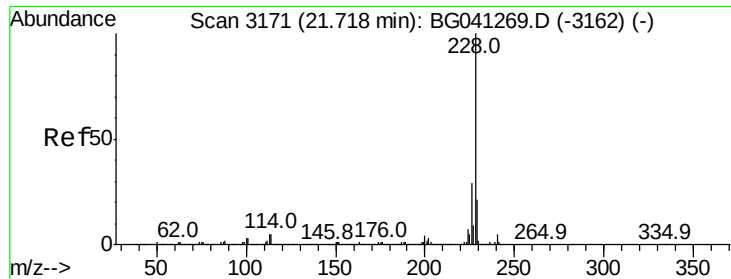


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.991 ng

RT: 21.72 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BG041328.D

Acq: 19 Jun 2019 15:04

Instrument :

BNA_G

ClientSampleId :

JC-02-061419-A

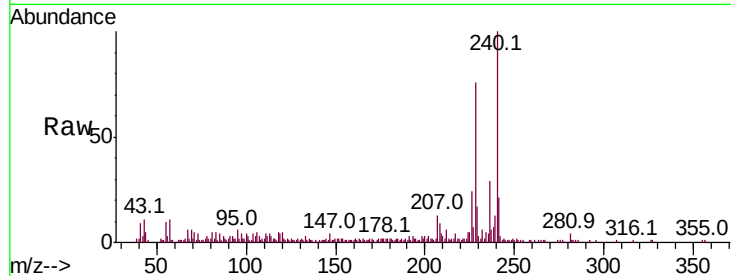
Tot Ion:228 Resp: 51979

Ion Ratio Lower Upper

228 100

226 31.5 23.2 34.8

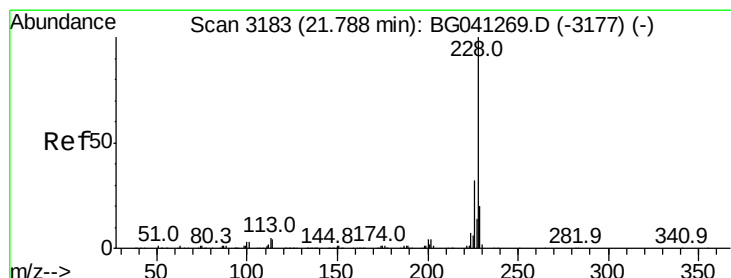
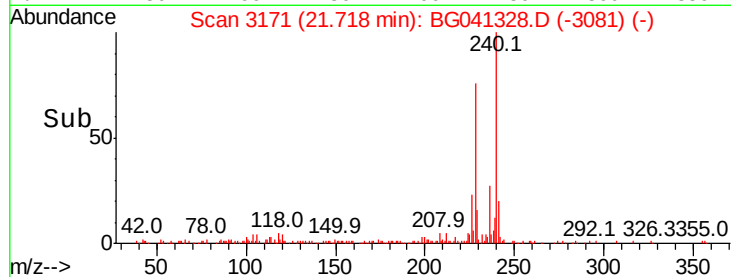
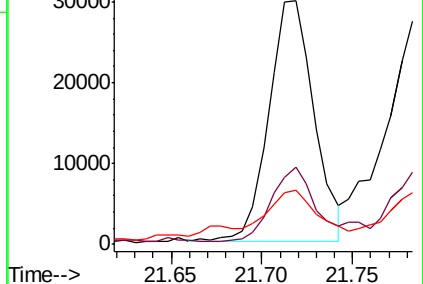
229 22.4 16.8 25.2



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



#83

Chrysene

Concen: 3.111 ng

RT: 21.78 min Scan# 3182

Delta R.T. -0.01 min

Lab File: BG041328.D

Acq: 19 Jun 2019 15:04

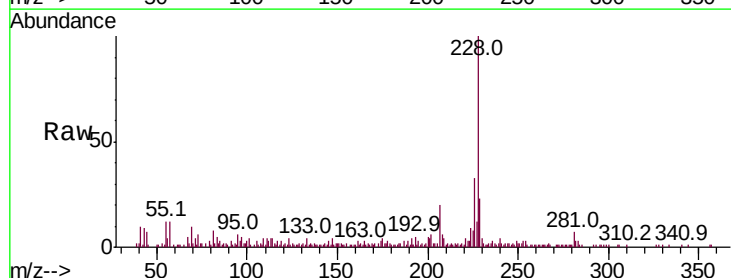
Tgt Ion:228 Resp: 51994

Ion Ratio Lower Upper

228 100

226 32.6 25.4 38.0

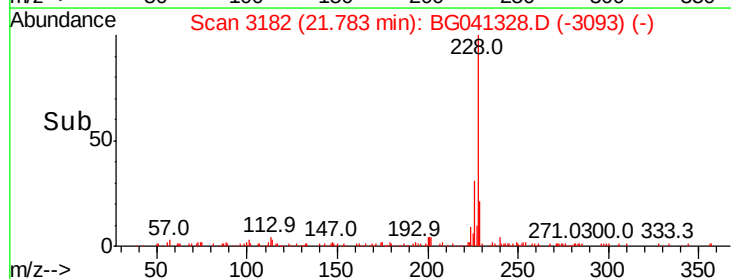
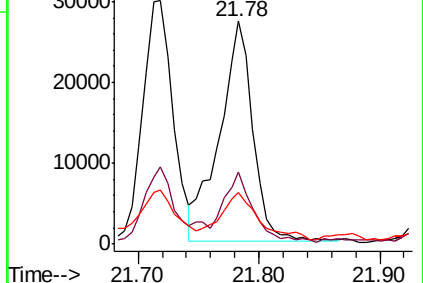
229 23.3 16.2 24.2

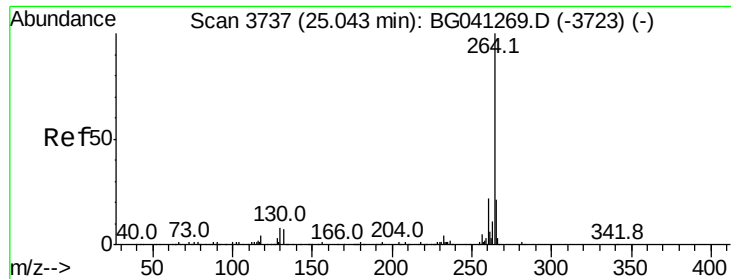


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



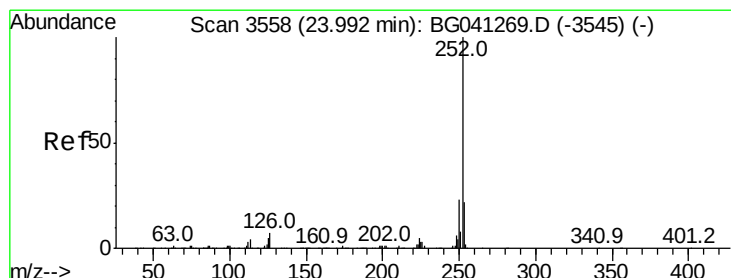
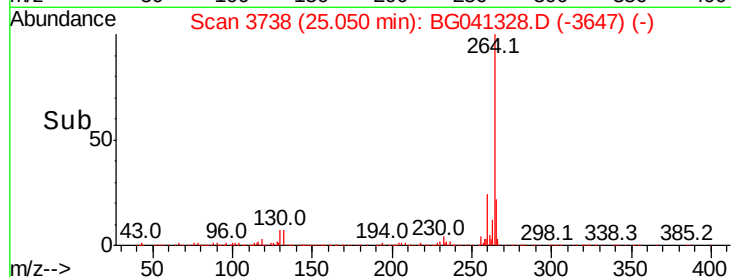
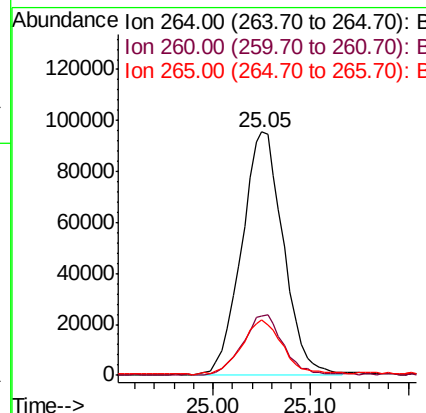
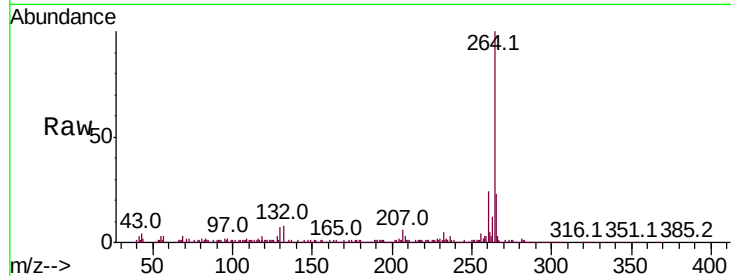


#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.05 min Scan# 3738
Delta R.T. 0.01 min
Lab File: BG041328.D
Acq: 19 Jun 2019 15:04

Instrument :
BNA_G
ClientSampleId :
JC-02-061419-A

Tot Ion:264 Resp: 283718

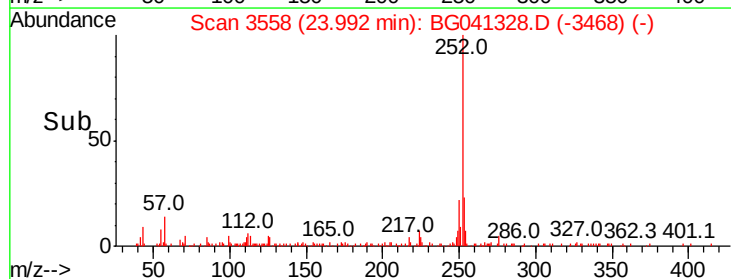
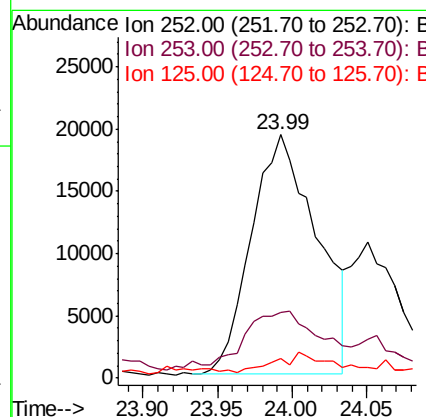
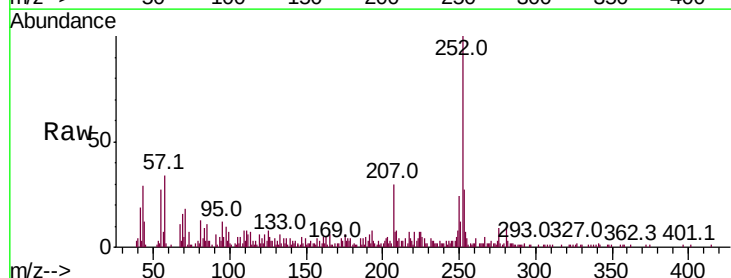
Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.2
265	22.9	17.2	25.8

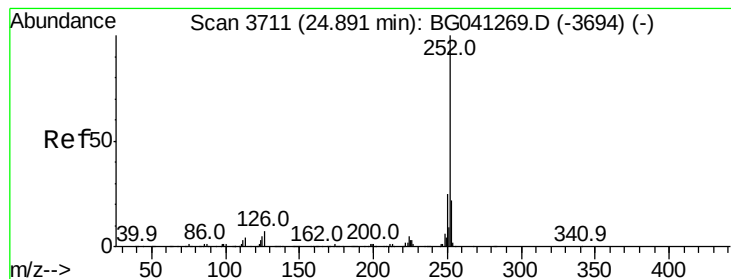


#88
Benzo(b)fluoranthene
Concen: 3.362 ng
RT: 23.99 min Scan# 3558
Delta R.T. 0.00 min
Lab File: BG041328.D
Acq: 19 Jun 2019 15:04

Tgt Ion:252 Resp: 59108

Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.4	26.0#
125	8.1	3.9	5.9#

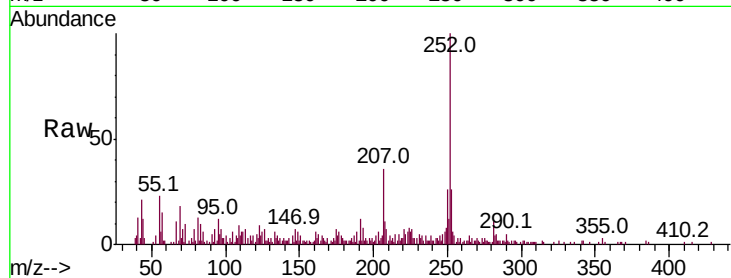




#90
 Benzo(a)pyrene
 Concen: 2.802 ng
 RT: 24.89 min Scan# 3711
 Delta R.T. 0.00 min
 Lab File: BG041328.D
 Acq: 19 Jun 2019 15:04

Instrument :
 BNA_G
 ClientSampleId :
 JC-02-061419-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.6
125	6.3	4.2	6.4



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

