

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102819\
 Data File : BG043363.D
 Acq On : 28 Oct 2019 23:26
 Operator : JU
 Sample : K5539-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 162-36-(0-1)

Quant Time: Oct 29 13:46:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

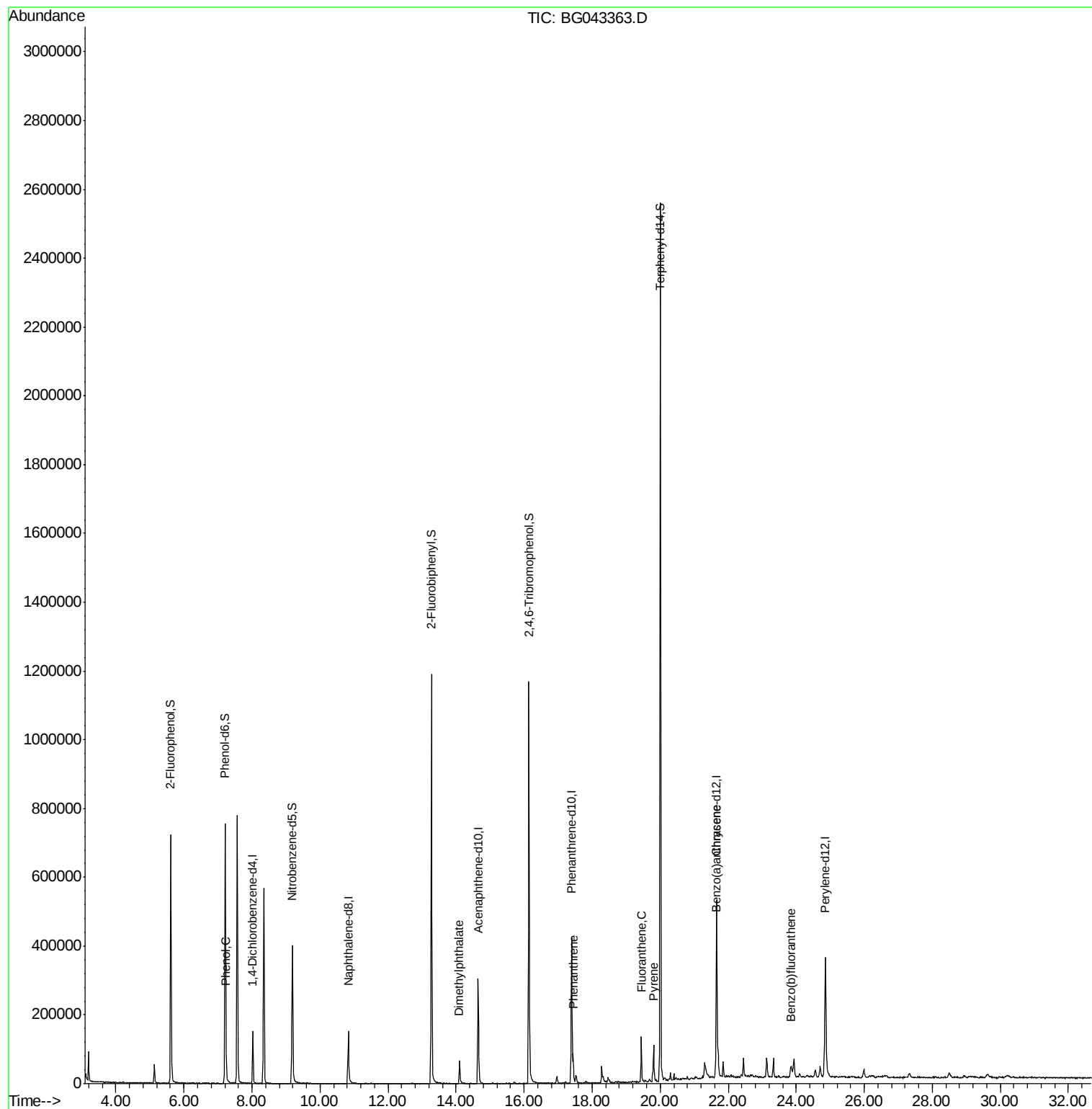
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	44350	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	160760	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	120612	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	286395	20.00	ng	0.00
76) Chrysene-d12	21.66	240	328681	20.00	ng	0.00
87) Perylene-d12	24.86	264	381788	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	333845	137.94	ng	0.00
7) Phenol-d6	7.21	99	470947	135.24	ng	0.00
23) Nitrobenzene-d5	9.19	82	280711	90.02	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	289653	126.20	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	694934	79.62	ng	0.00
79) Terphenyl-d14	20.00	244	1336153	76.27	ng	0.00
Target Compounds						
10) Phenol	7.24	94	12550	3.944	ng	Qvalue # 75
50) Dimethylphthalate	14.10	163	60475	6.473	ng	98
71) Phenanthrene	17.44	178	53446	3.644	ng	97
75) Fluoranthene	19.45	202	95122	4.975	ng	97
78) Pyrene	19.81	202	83497	4.104	ng	96
81) Benzo(a)anthracene	21.64	228	46718	2.269	ng	97
88) Benzo(b)fluoranthene	23.84	252	44973	2.080	ng	# 96

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

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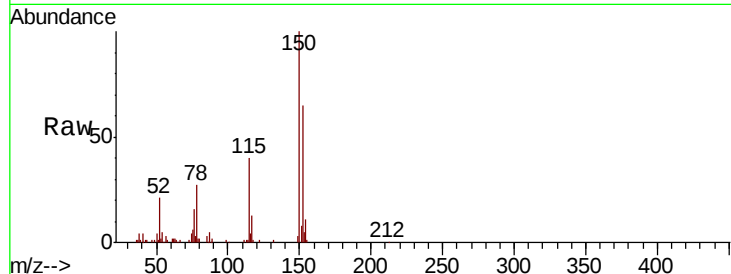


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 840
Delta R.T. -0.00 min
Lab File: BG043363.D
Acq: 28 Oct 2019 23:26

Instrument :
BNA_G
ClientSampleId :
162-36-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	113.6	170.4
115	61.2	45.9	68.9

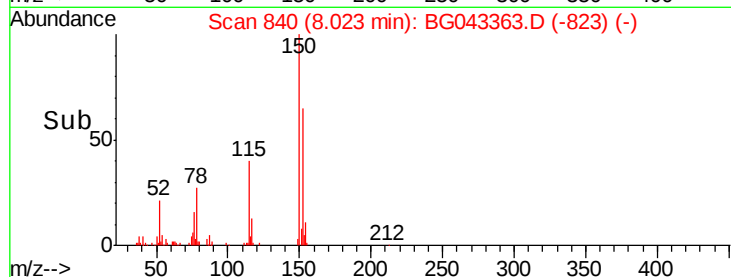
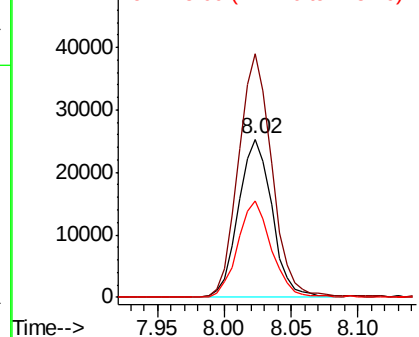


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

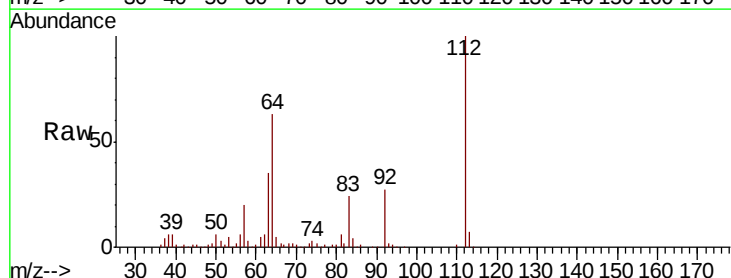
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 137.938 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.01 min
Lab File: BG043363.D
Acq: 28 Oct 2019 23:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	50.2	75.2
63	34.8	26.7	40.1

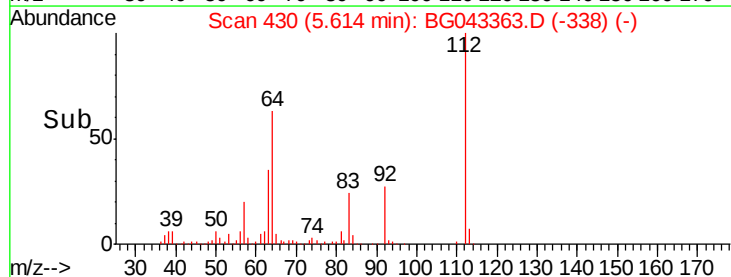
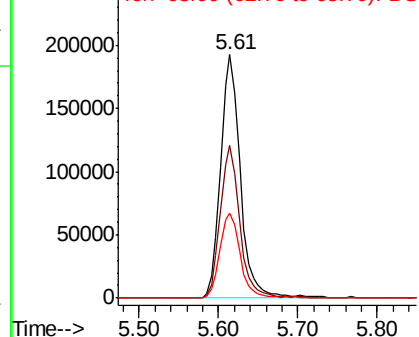


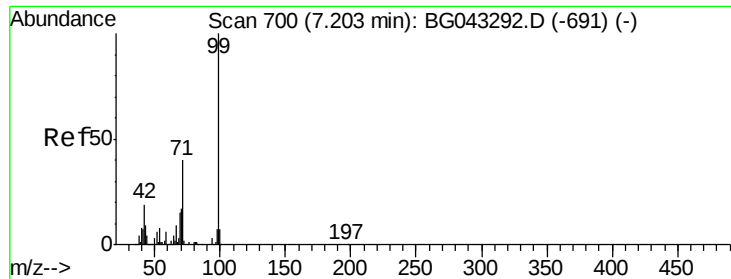
Abundance

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: 135.245 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

Instrument :

BNA_G

ClientSampleId :

162-36-(0-1)

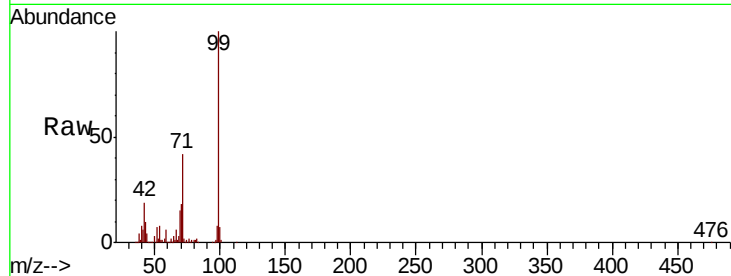
Tot Ion: 99 Resp: 470947

Ion Ratio Lower Upper

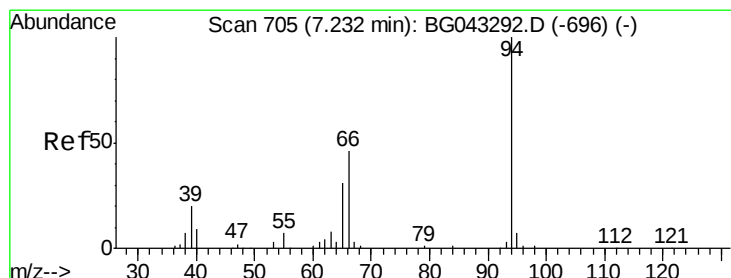
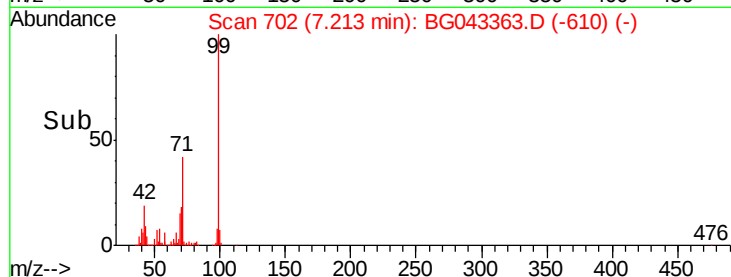
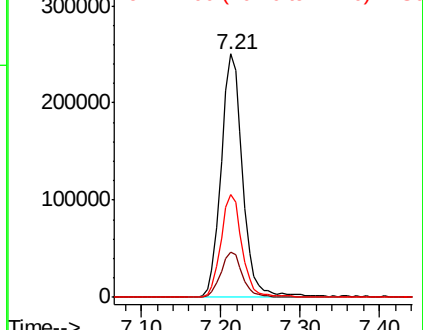
99 100

42 18.7 14.9 22.3

71 42.5 32.2 48.2



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



#10

Phenol

Concen: 3.944 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

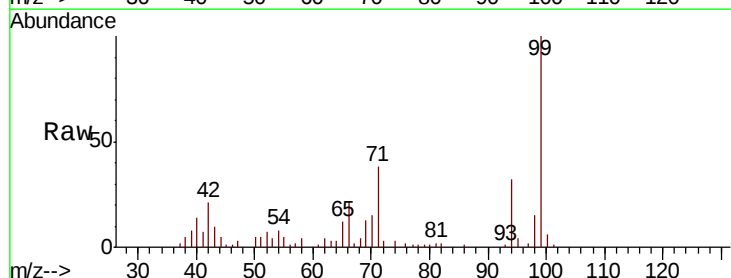
Tgt Ion: 94 Resp: 12550

Ion Ratio Lower Upper

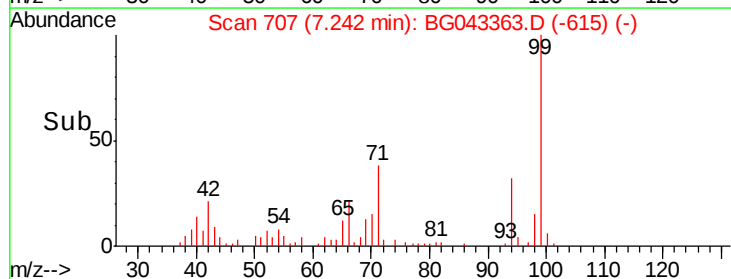
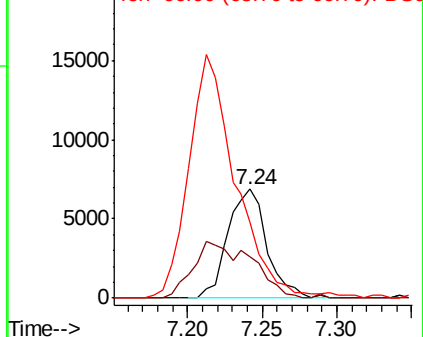
94 100

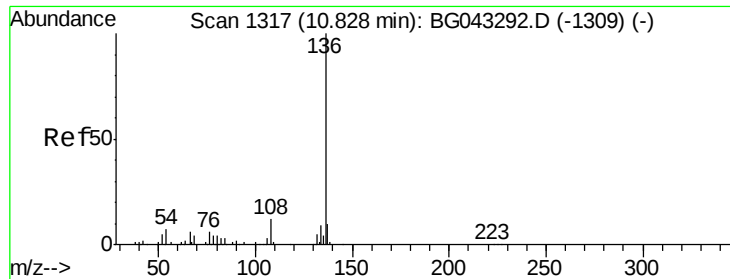
65 38.3 11.1 51.1

66 70.3 27.8 67.8#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

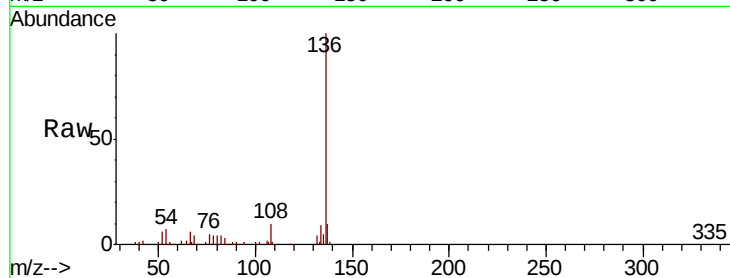




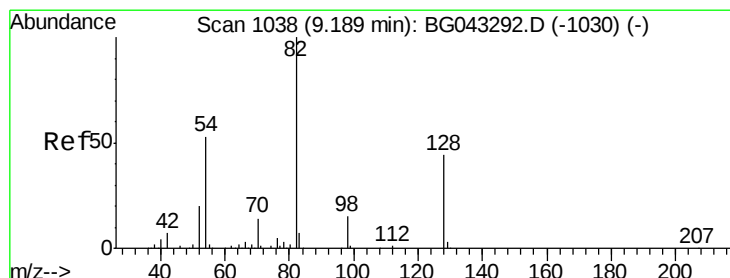
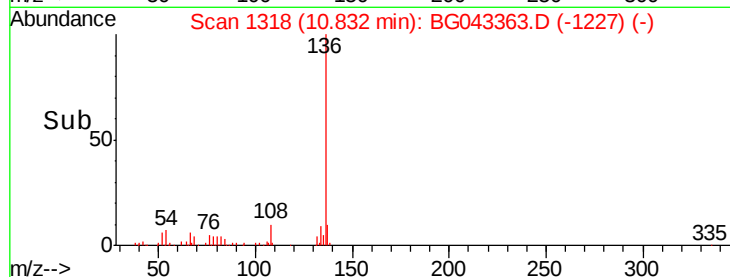
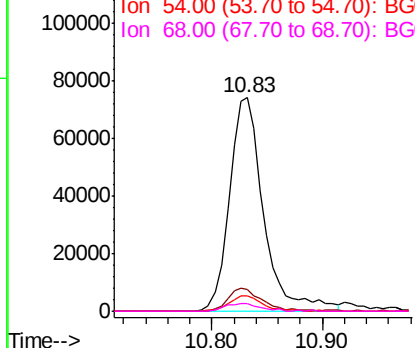
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG043363.D
Acq: 28 Oct 2019 23:26

Instrument :
BNA_G
ClientSampleId :
162-36-(0-1)

Tot Ion:136	Resp:	160760
Ion	Ratio	Lower Upper
136	100	
137	10.1	8.2 12.2
54	7.2	5.4 8.2
68	3.9	3.3 4.9

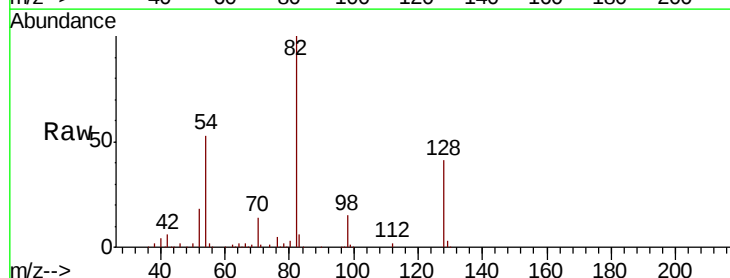


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

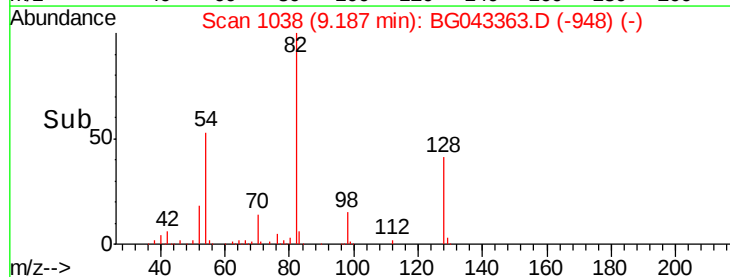
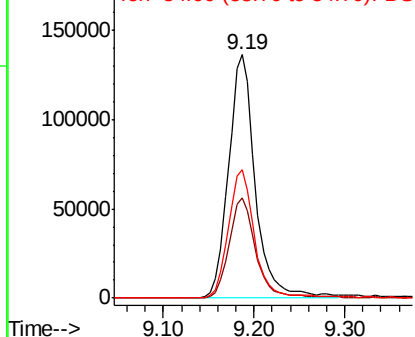


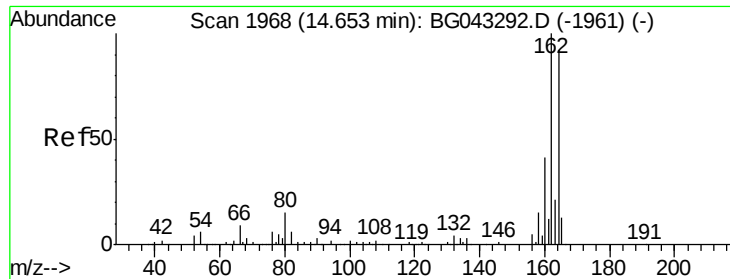
#23
Nitrobenzene-d5
Concen: 90.022 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043363.D
Acq: 28 Oct 2019 23:26

Tgt Ion: 82	Resp:	280711
Ion	Ratio	Lower Upper
82	100	
128	41.2	35.3 52.9
54	52.6	42.3 63.5



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

Instrument :

BNA_G

ClientSampleId :

162-36-(0-1)

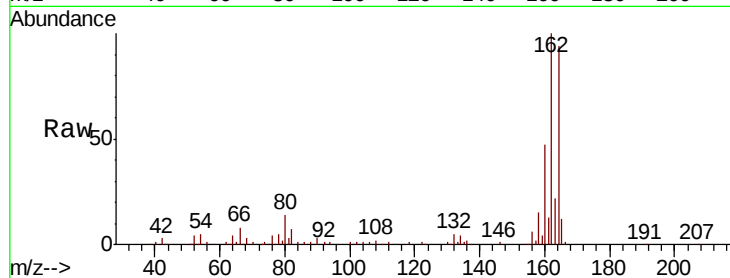
Tot Ion:164 Resp: 120612

Ion Ratio Lower Upper

164 100

162 106.8 87.0 130.4

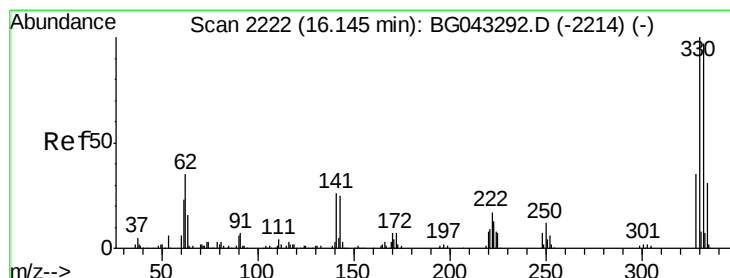
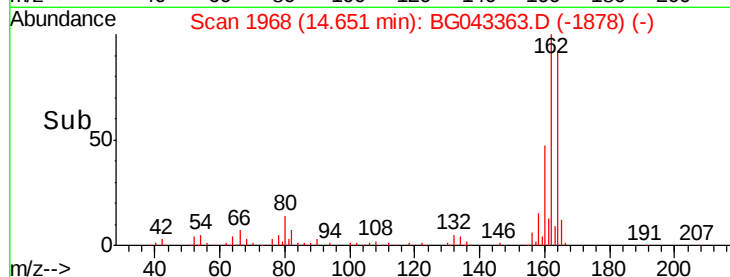
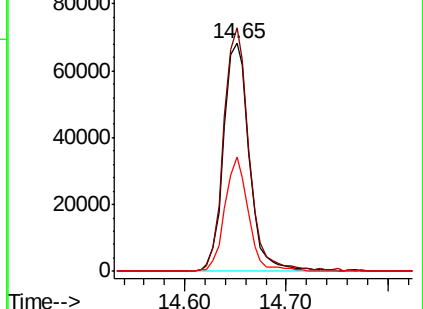
160 50.4 35.5 53.3



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: 126.197 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

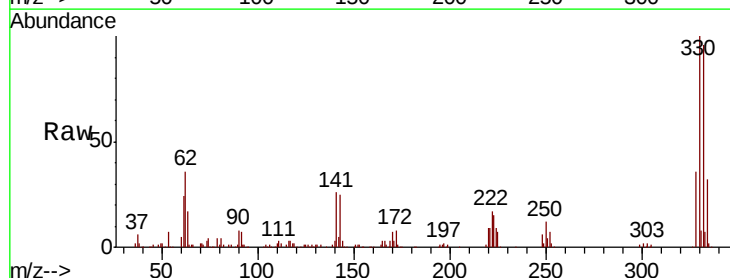
Tgt Ion:330 Resp: 289653

Ion Ratio Lower Upper

330 100

332 96.4 76.4 114.6

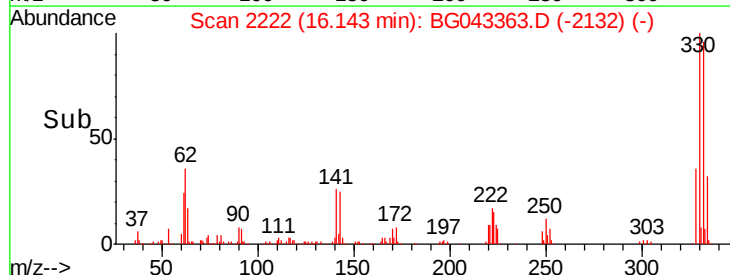
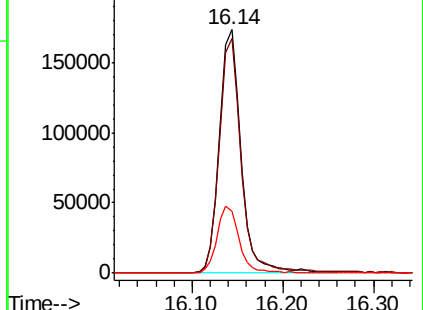
141 27.6 21.4 32.0

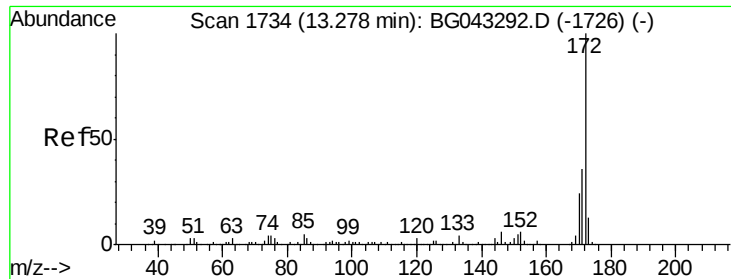


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

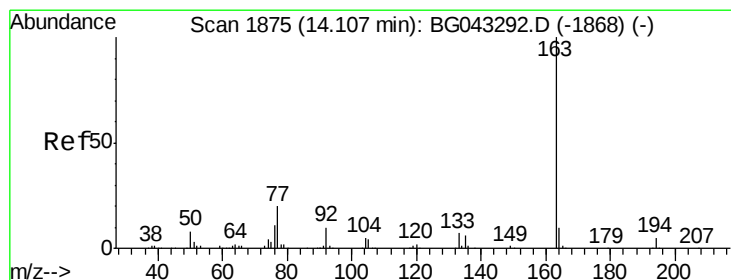
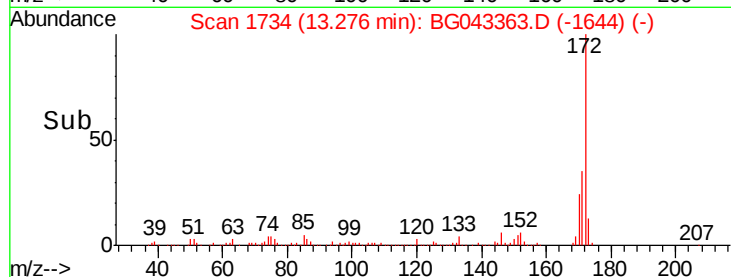
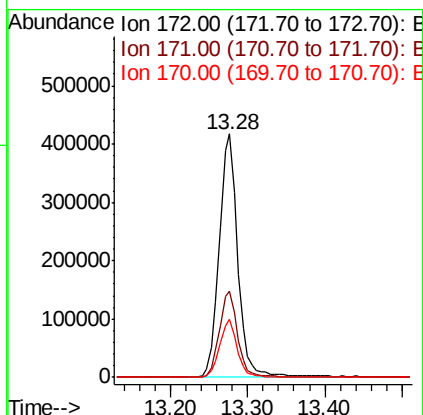
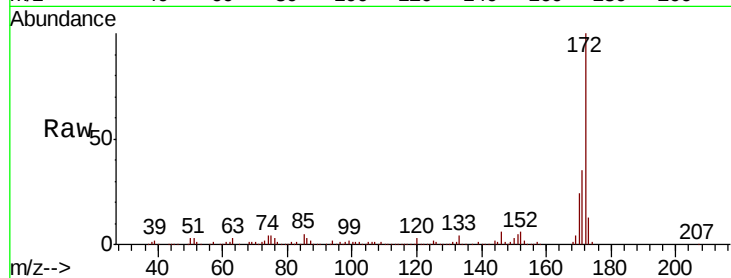




#45
2-Fluorobiphenyl
Concen: 79.616 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG043363.D
Acq: 28 Oct 2019 23:26

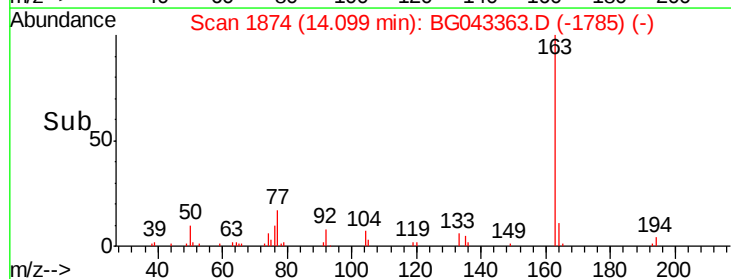
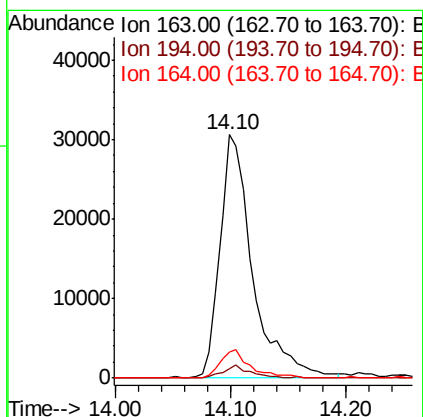
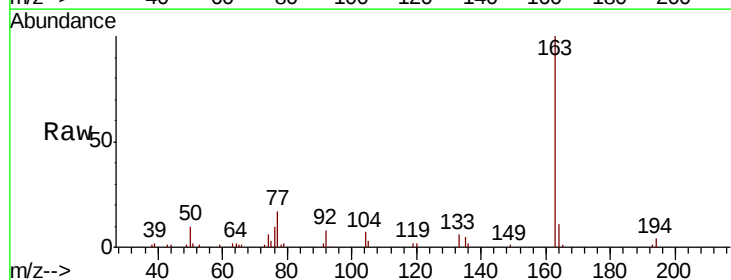
Instrument :
BNA_G
ClientSampled :
162-36-(0-1)

Tot Ion:172 Resp: 694934
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 23.7 18.8 28.2



#50
Dimethylphthalate
Concen: 6.473 ng
RT: 14.10 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BG043363.D
Acq: 28 Oct 2019 23:26

Tgt Ion:163 Resp: 60475
Ion Ratio Lower Upper
163 100
194 4.0 3.7 5.5
164 10.7 8.1 12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

Instrument :

BNA_G

ClientSampleId :

162-36-(0-1)

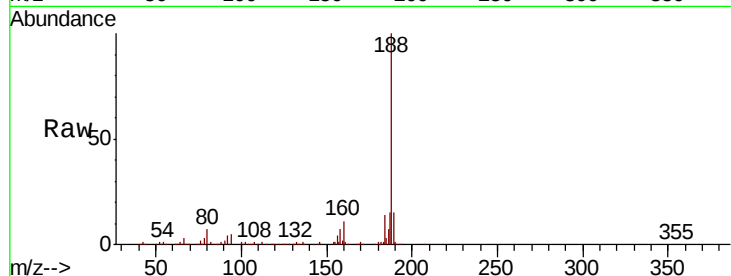
Tot Ion:188 Resp: 286395

Ion Ratio Lower Upper

188 100

94 4.6 4.2 6.2

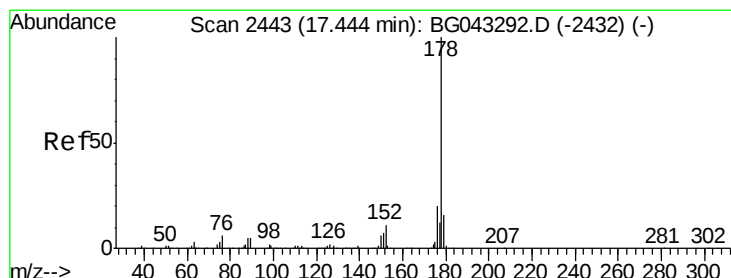
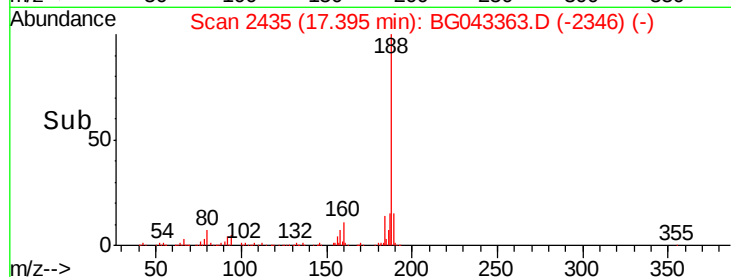
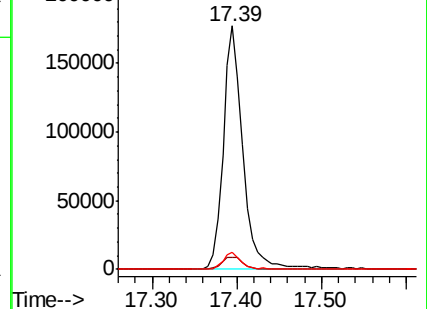
80 6.8 5.2 7.8



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: 3.644 ng

RT: 17.44 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

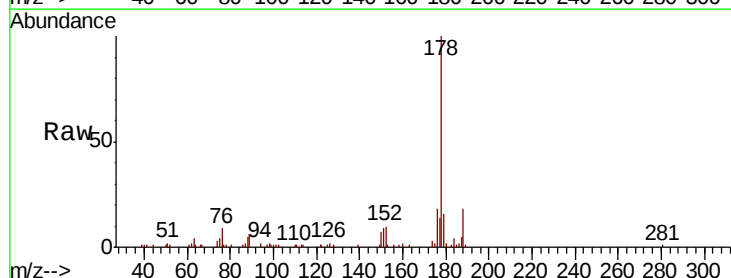
Tgt Ion:178 Resp: 53446

Ion Ratio Lower Upper

178 100

176 17.7 15.8 23.8

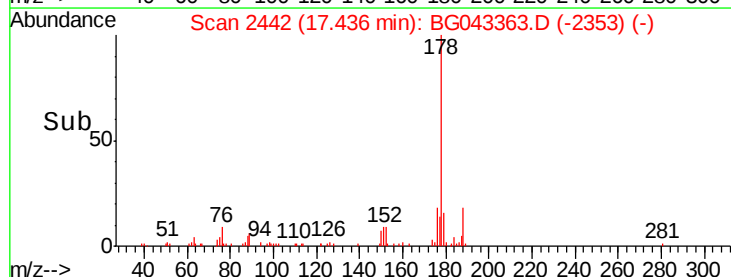
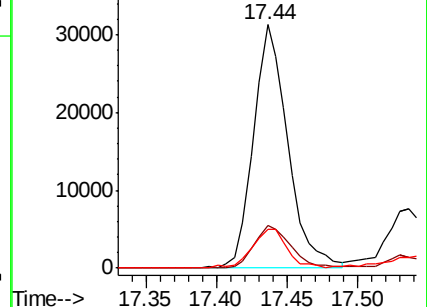
179 15.9 13.1 19.7

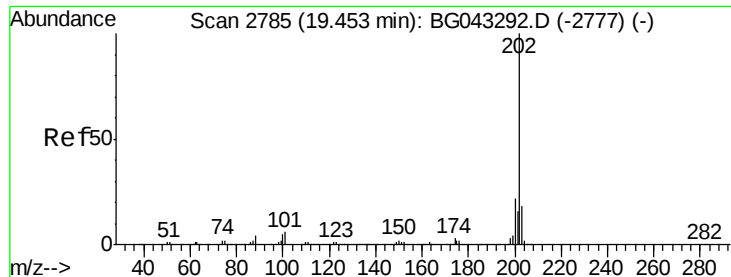


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.975 ng

RT: 19.45 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

Instrument :

BNA_G

ClientSampleId :

162-36-(0-1)

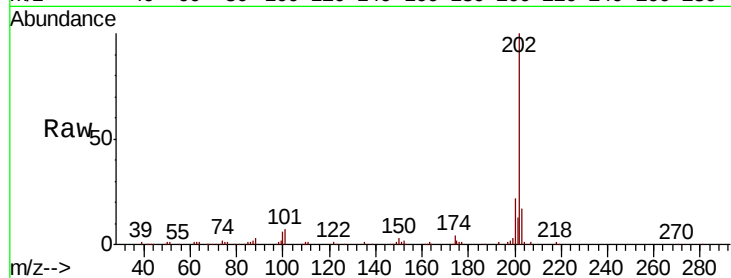
Tot Ion:202 Resp: 95122

Ion Ratio Lower Upper

202 100

101 6.6 0.0 26.0

203 16.5 0.0 38.2

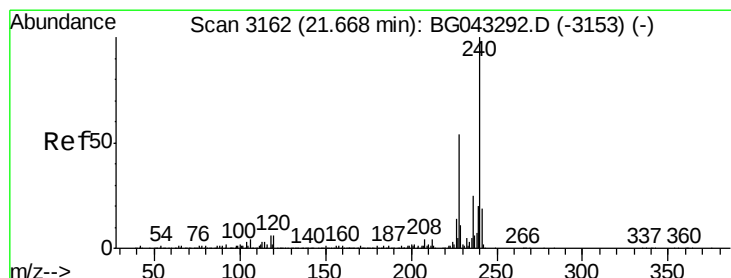
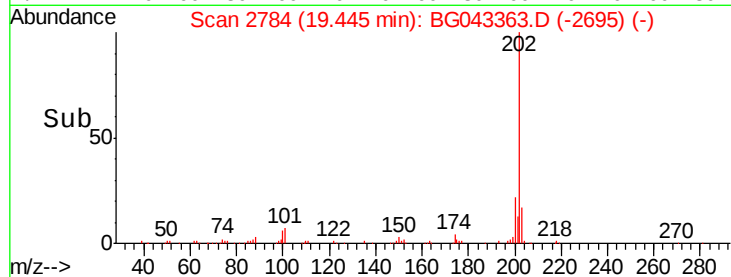
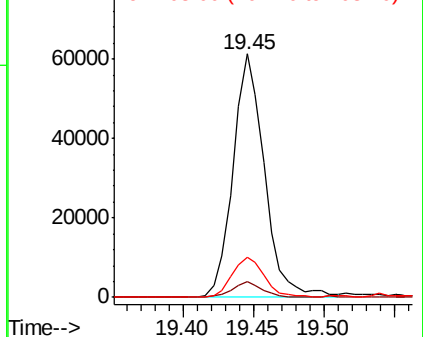


Abundance

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: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

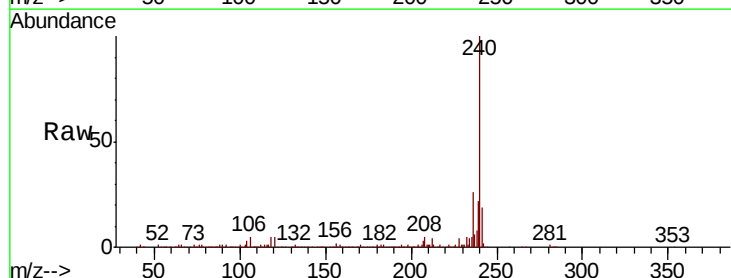
Tgt Ion:240 Resp: 328681

Ion Ratio Lower Upper

240 100

120 5.2 4.6 7.0

236 26.3 20.2 30.4

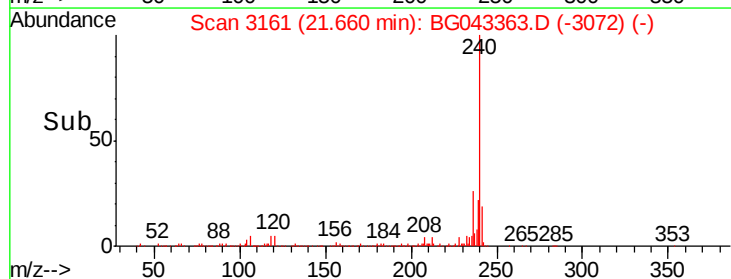
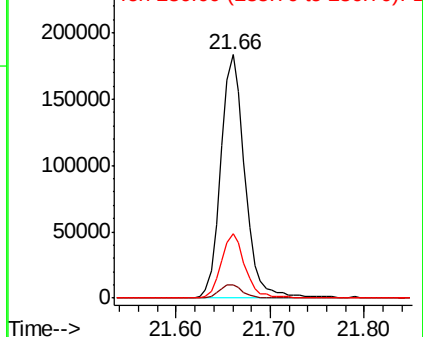


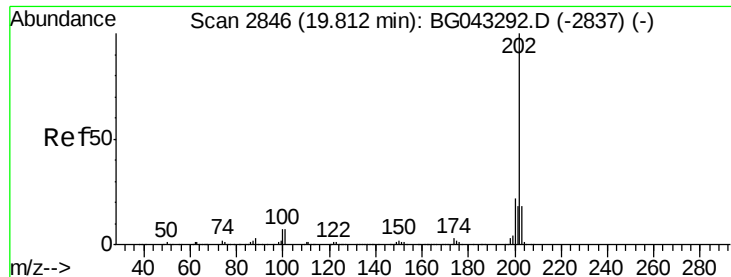
Abundance

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: 4.104 ng

RT: 19.81 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

Instrument :

BNA_G

ClientSampleId :

162-36-(0-1)

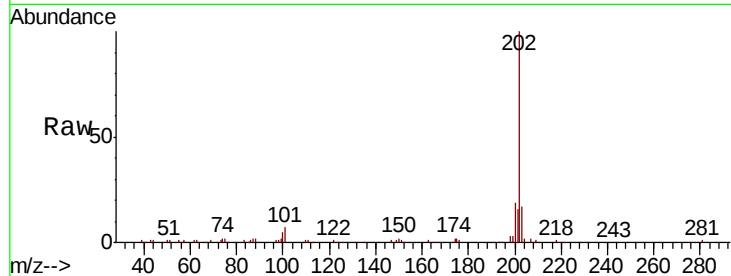
Tot Ion:202 Resp: 83497

Ion Ratio Lower Upper

202 100

200 19.0 17.3 25.9

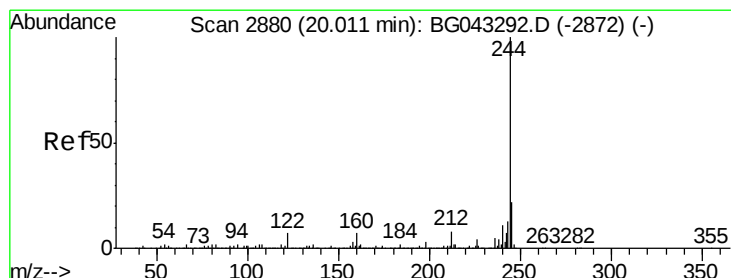
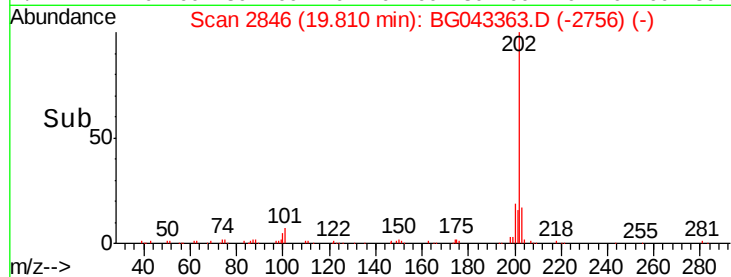
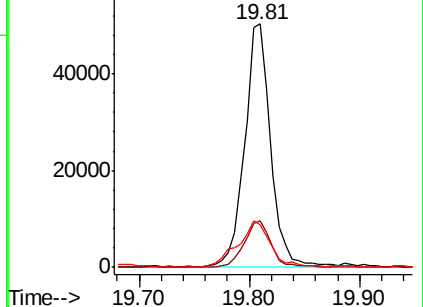
203 17.5 14.5 21.7



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: 76.265 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

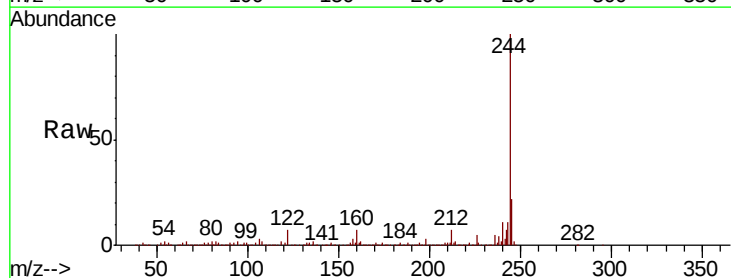
Tgt Ion:244 Resp: 1336153

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

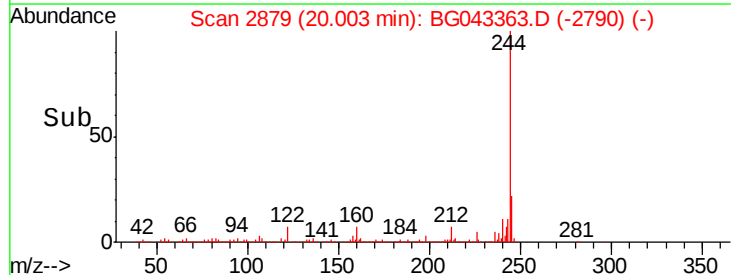
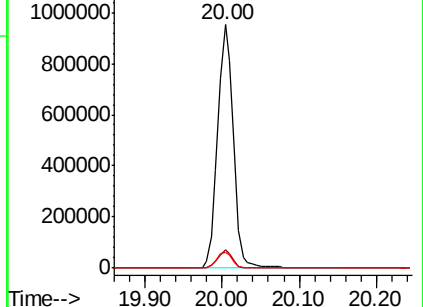
122 6.7 5.3 7.9

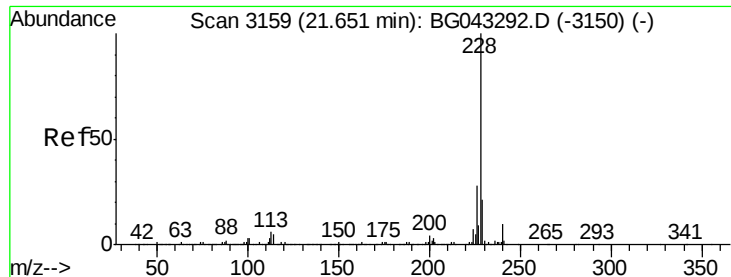


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

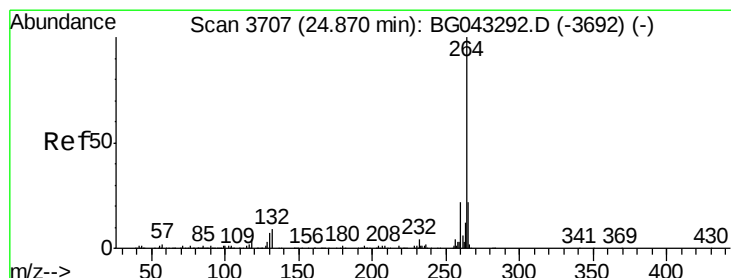
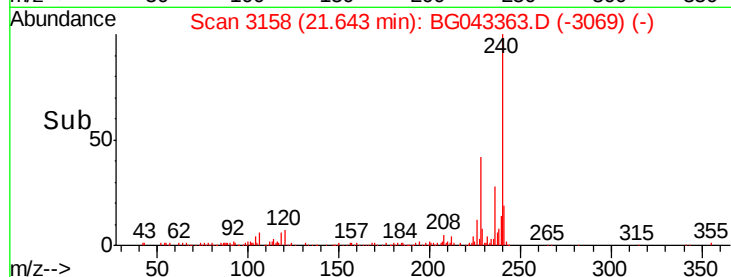
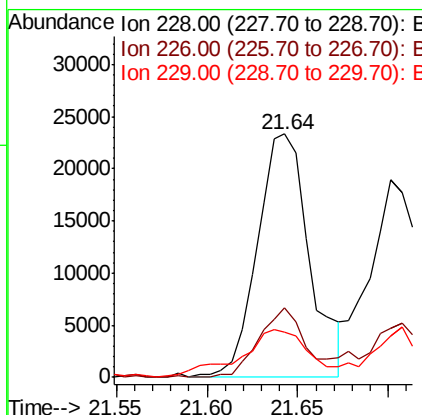
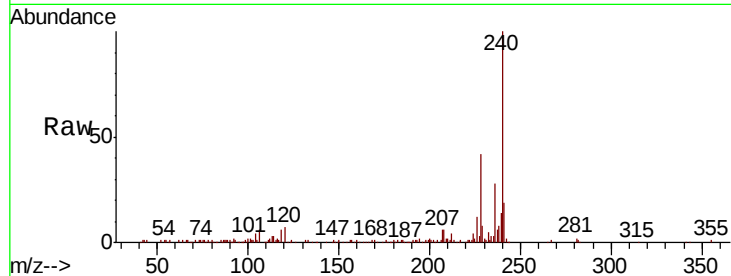




#81
Benzo(a)anthracene
Concen: 2.269 ng
RT: 21.64 min Scan# 3158
Delta R.T. -0.01 min
Lab File: BG043363.D
Acq: 28 Oct 2019 23:26

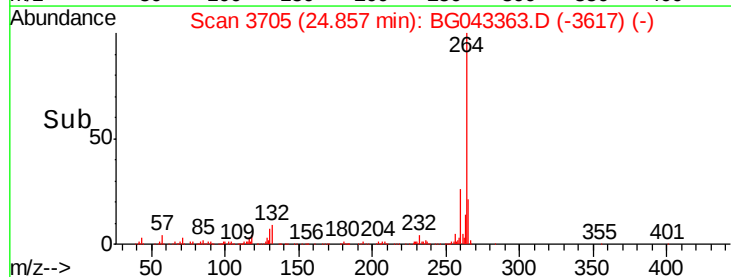
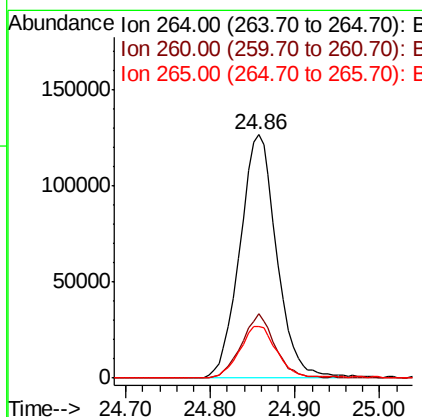
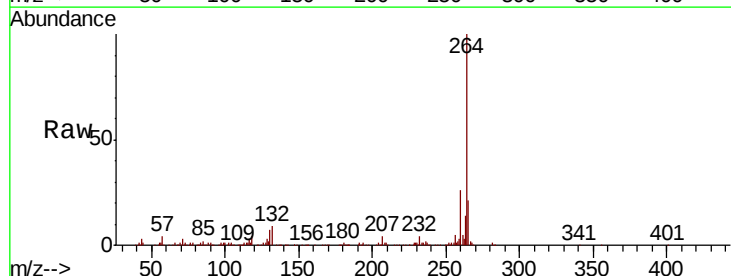
Instrument :
BNA_G
ClientSampleId :
162-36-(0-1)

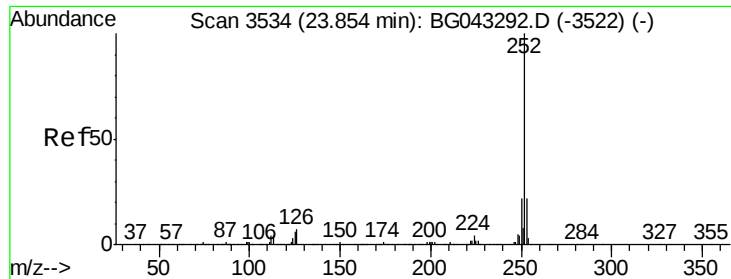
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.2	33.4
229	18.7	16.9	25.3



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3705
Delta R.T. -0.01 min
Lab File: BG043363.D
Acq: 28 Oct 2019 23:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.4	17.9	26.9
265	21.4	17.4	26.2





#88

Benzo(b)fluoranthene

Concen: 2.080 ng

RT: 23.84 min Scan# 3532

Delta R.T. -0.01 min

Lab File: BG043363.D

Acq: 28 Oct 2019 23:26

Instrument :

BNA_G

ClientSampleId :

162-36-(0-1)

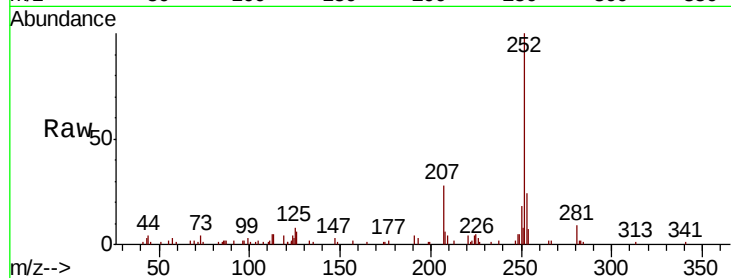
Tot Ion:252 Resp: 44973

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

125 7.9 5.0 7.6#



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

