

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042619\
 Data File : BG040628.D
 Acq On : 26 Apr 2019 14:19
 Operator : JU/SJ
 Sample : K2582-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSSI-0419-S-DH-6-T

Quant Time: Apr 27 02:02:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	52720	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	225961	20.00	ng	0.00
39) Acenaphthene-d10	14.79	164	167335	20.00	ng	0.00
64) Phenanthrene-d10	17.53	188	413559	20.00	ng	0.00
76) Chrysene-d12	21.82	240	405314	20.00	ng	0.00
87) Perylene-d12	25.19	264	434732	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	302662	101.20	ng	0.00
7) Phenol-d6	7.29	99	484188	105.15	ng	0.00
23) Nitrobenzene-d5	9.33	82	335377	68.58	ng	0.00
42) 2,4,6-Tribromophenol	16.27	330	234012	101.74	ng	0.00
45) 2-Fluorobiphenyl	13.41	172	677275	58.45	ng	0.00
79) Terphenyl-d14	20.13	244	1149310	62.82	ng	0.00

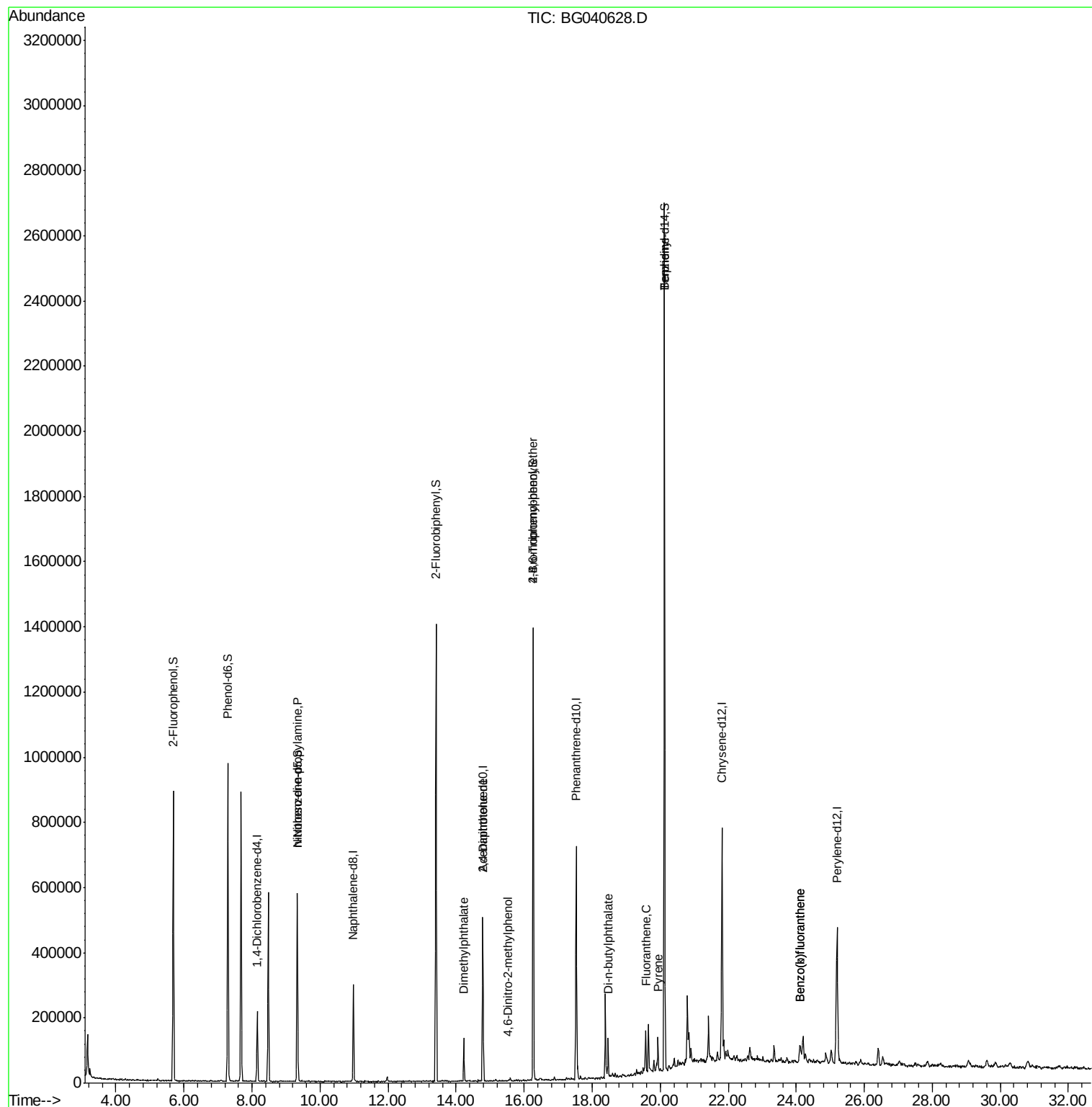
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.29	77	1476	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.33	70	49842	12.024	ng	# 77
50) Dimethylphthalate	14.23	163	76591	5.471	ng	# 99
57) 2,4-Dinitrotoluene	14.79	165	20825	5.609	ng	# 16
65) 4,6-Dinitro-2-methylphenol	15.53	198	54	7.124	ng	# 28
67) 4-Bromophenyl-phenylether	16.27	248	16650	3.232	ng	# 1
74) Di-n-butylphthalate	18.47	149	73556	2.987	ng	100
75) Fluoranthene	19.57	202	73614	2.652	ng	97
77) Benzidine	20.13	184	23767	2.142	ng	# 92
78) Pyrene	19.93	202	72139	2.840	ng	98
88) Benzo(b)fluoranthene	24.12	252	69471	2.615	ng	99
89) Benzo(k)fluoranthene	24.12	252	69471	2.800	ng	98

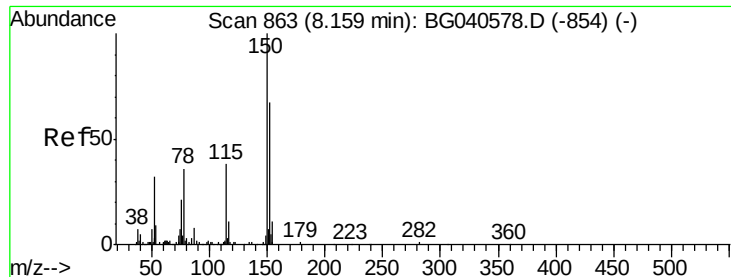
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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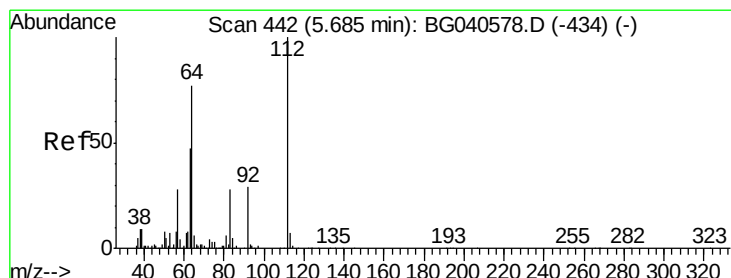
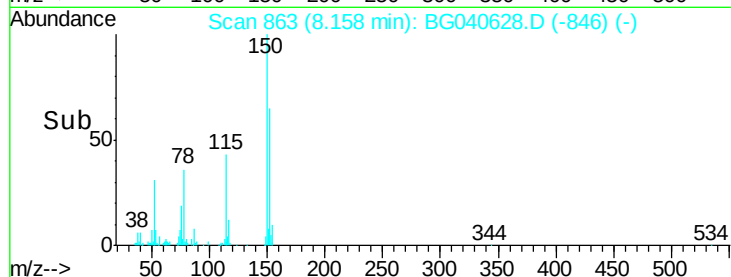
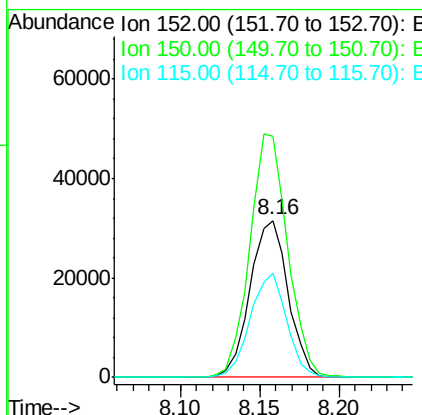
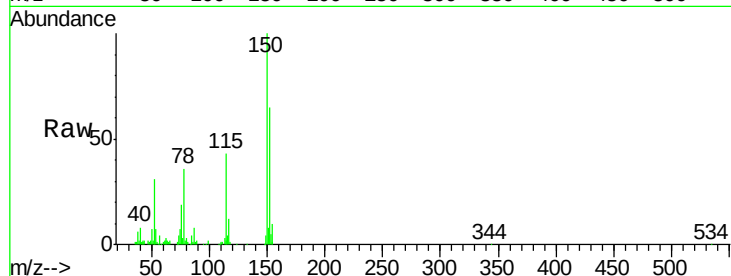


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: BG040628.D
Acq: 26 Apr 2019 14:19

Instrument :
BNA_G
ClientSampleId :
SSSI-0419-S-DH-6-T

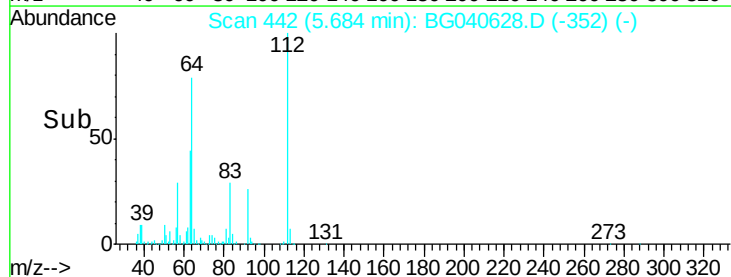
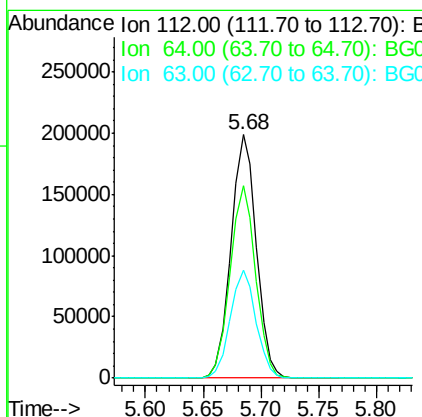
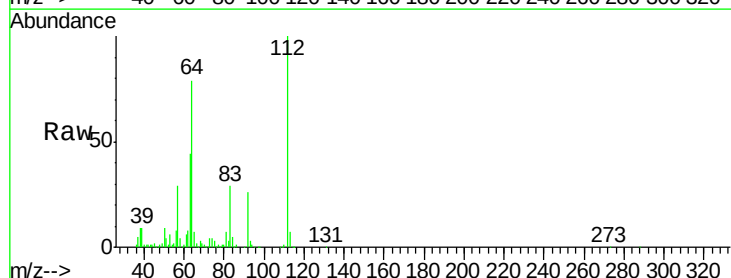
Tot Ion:152 Resp: 52720
Ion Ratio Lower Upper
152 100
150 153.5 120.2 180.2
115 66.1 46.2 69.2

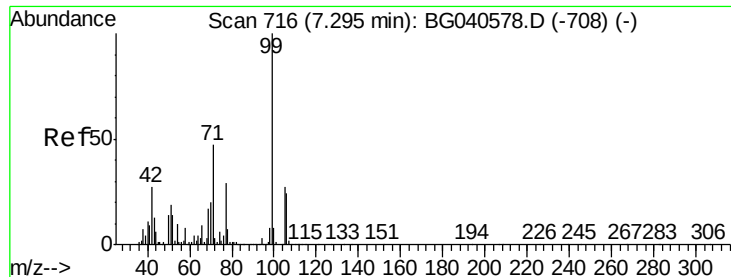


#5

2-Fluorophenol
Concen: 101.199 ng
RT: 5.68 min Scan# 442
Delta R.T. 0.00 min
Lab File: BG040628.D
Acq: 26 Apr 2019 14:19

Tgt Ion:112 Resp: 302662
Ion Ratio Lower Upper
112 100
64 79.1 61.4 92.0
63 44.5 37.8 56.6





#7

Phenol-d6

Concen: 105.146 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

Instrument :

BNA_G

ClientSampleId :

SSSI-0419-S-DH-6-T

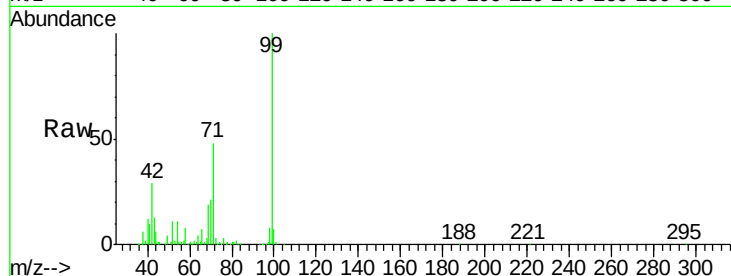
Tot Ion: 99 Resp: 484188

Ion Ratio Lower Upper

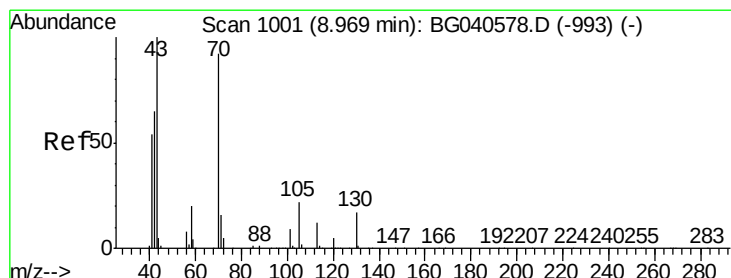
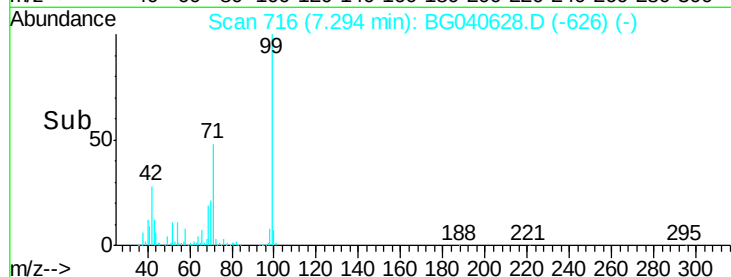
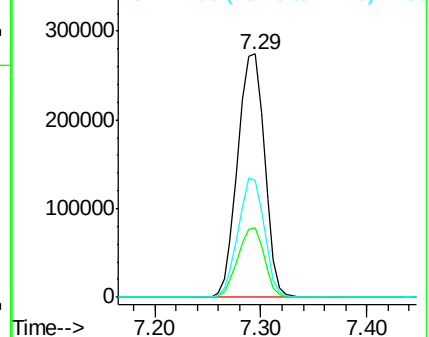
99 100

42 28.5 21.8 32.8

71 47.9 38.6 57.8



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.024 ng

RT: 9.33 min Scan# 1063

Delta R.T. 0.36 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

Tgt Ion: 70 Resp: 49842

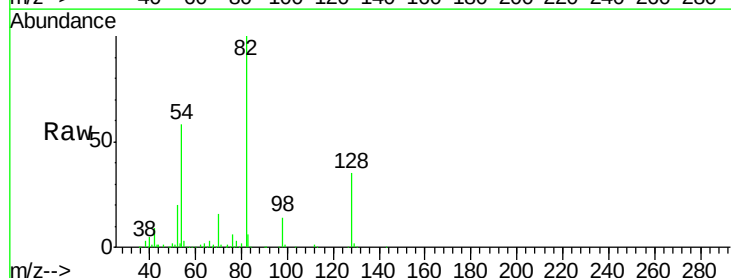
Ion Ratio Lower Upper

70 100

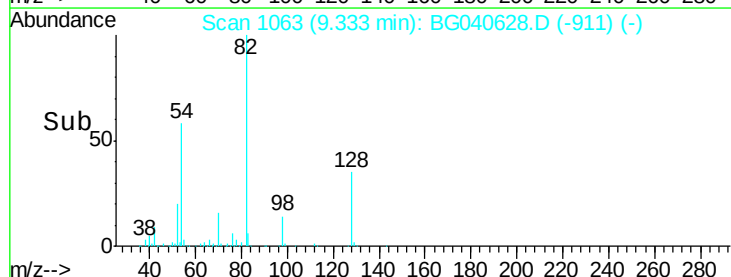
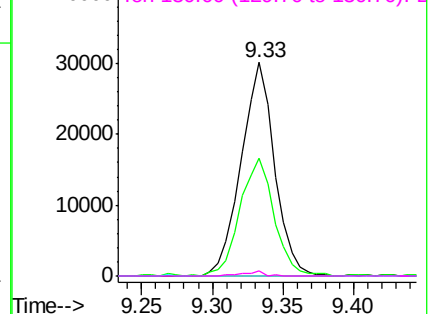
42 55.2 57.1 85.7#

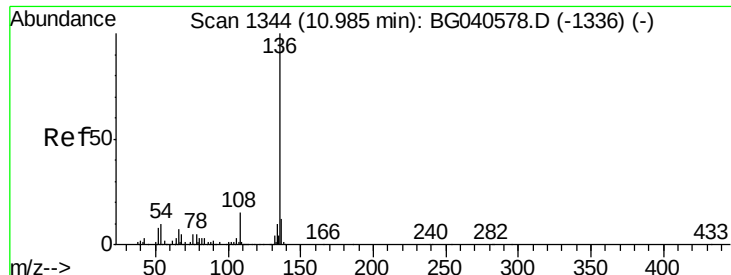
101 0.0 7.8 11.8#

130 2.2 14.6 21.8#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

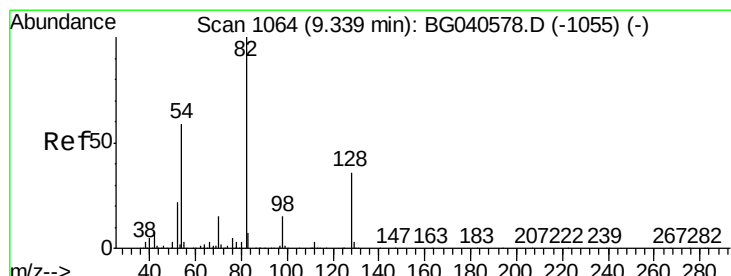
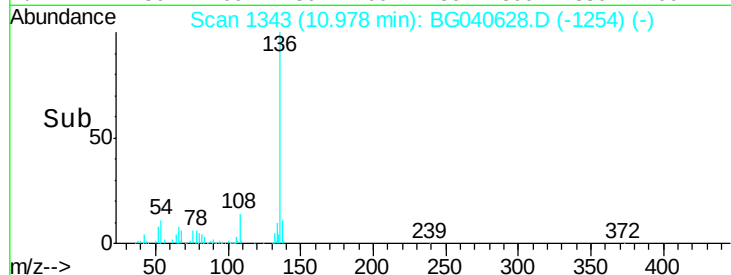
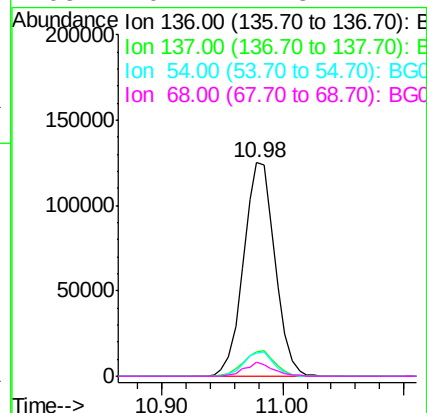
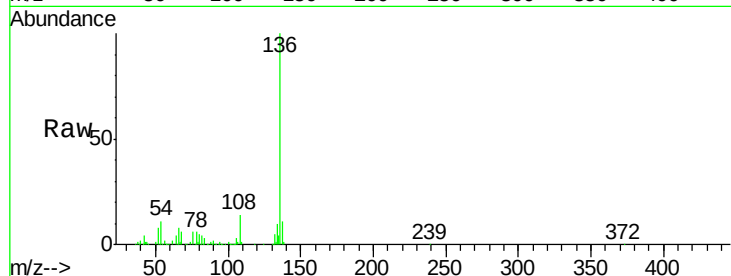




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BG040628.D
Acq: 26 Apr 2019 14:19

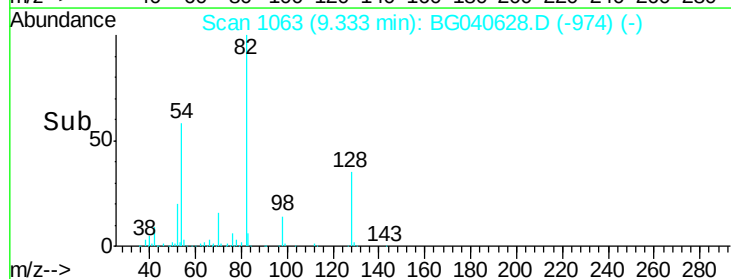
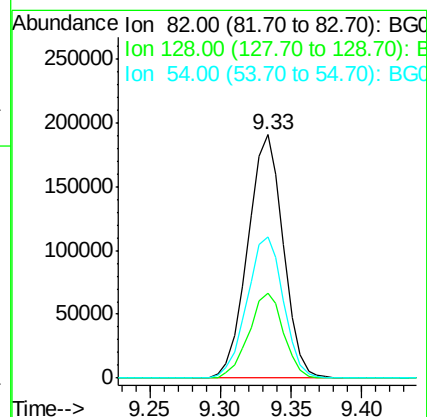
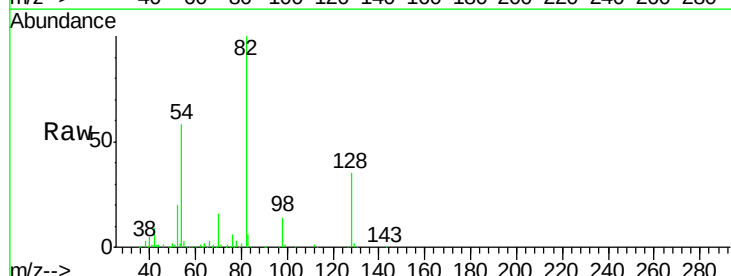
Instrument :
BNA_G
ClientSampleId :
SSSI-0419-S-DH-6-T

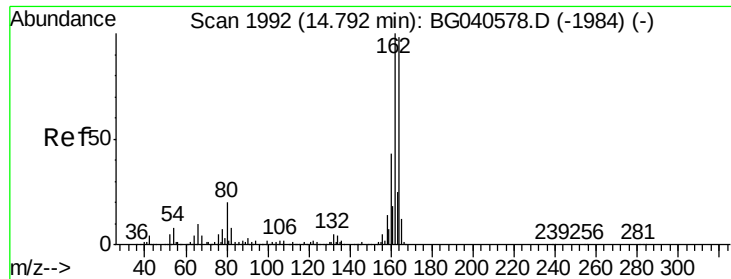
Tot Ion:136	Resp:	225961
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.7 14.5
54	11.0	8.6 12.8
68	6.4	4.8 7.2



#23
Nitrobenzene-d5
Concen: 68.580 ng
RT: 9.33 min Scan# 1063
Delta R.T. -0.01 min
Lab File: BG040628.D
Acq: 26 Apr 2019 14:19

Tgt Ion: 82	Resp:	335377
Ion Ratio	Lower	Upper
82	100	
128	34.6	28.9 43.3
54	58.0	47.2 70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

Instrument :

BNA_G

ClientSampleId :

SSSI-0419-S-DH-6-T

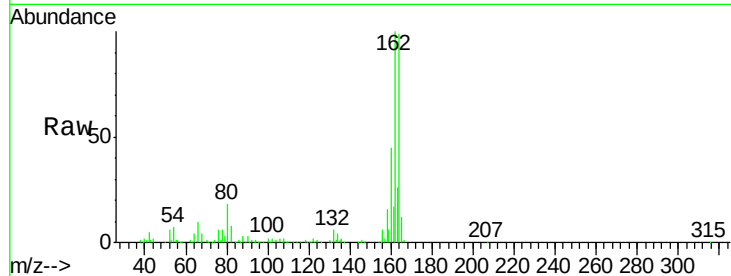
Tot Ion:164 Resp: 167335

Ion Ratio Lower Upper

164 100

162 101.4 81.9 122.9

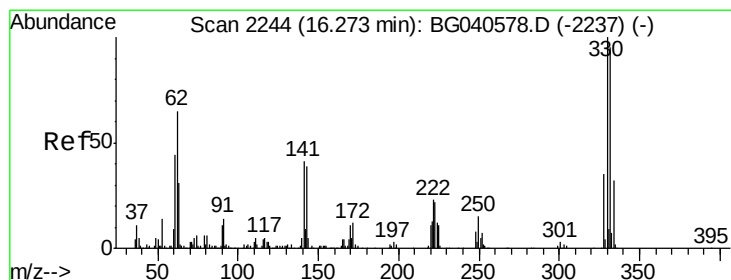
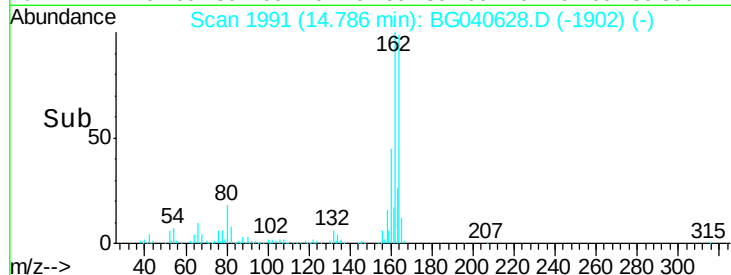
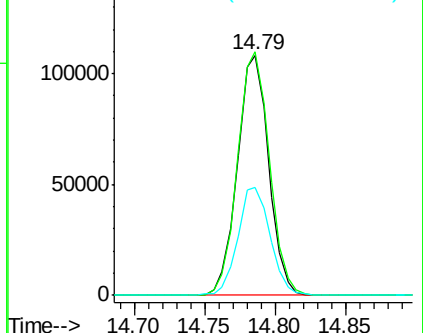
160 45.2 35.4 53.2



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: 101.742 ng

RT: 16.27 min Scan# 2244

Delta R.T. -0.00 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

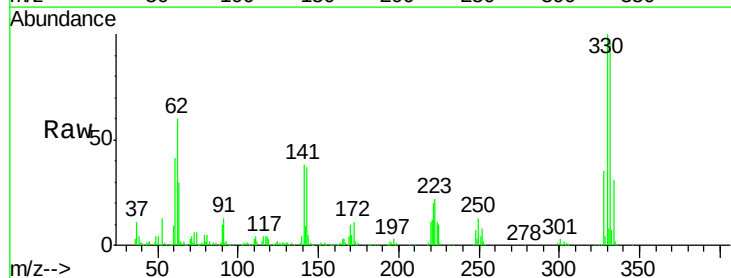
Tgt Ion:330 Resp: 234012

Ion Ratio Lower Upper

330 100

332 95.4 75.9 113.9

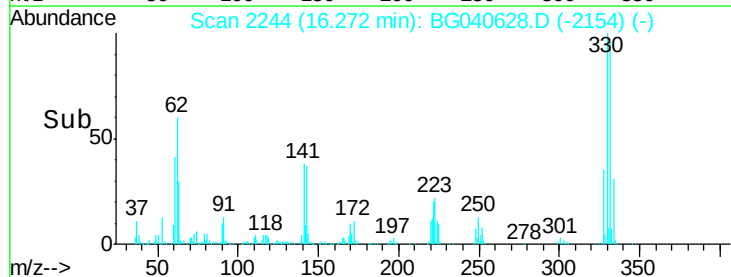
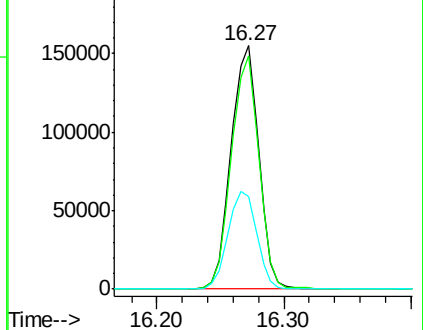
141 42.0 32.4 48.6

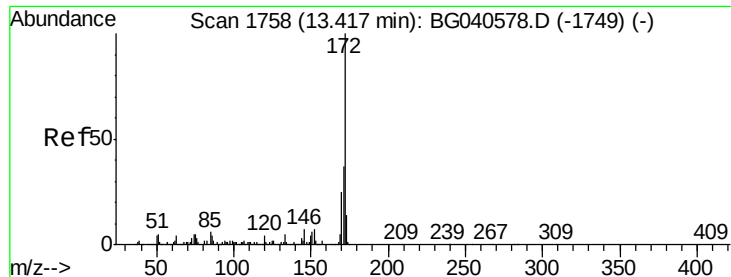


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 58.453 ng

RT: 13.41 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

Instrument :

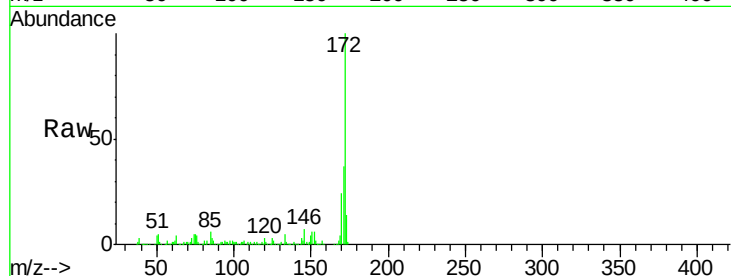
BNA_G

ClientSampleId :

SSSI-0419-S-DH-6-T

Tot Ion:172 Resp: 677275

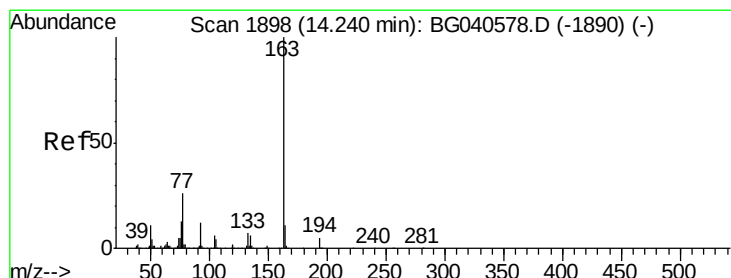
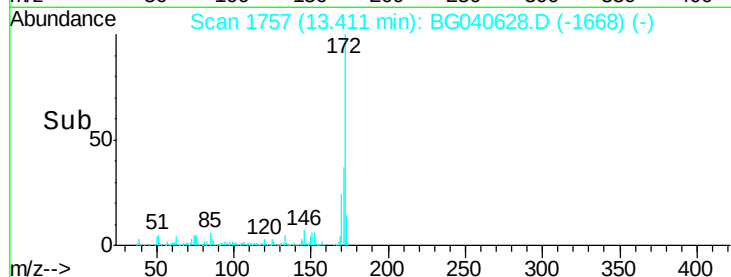
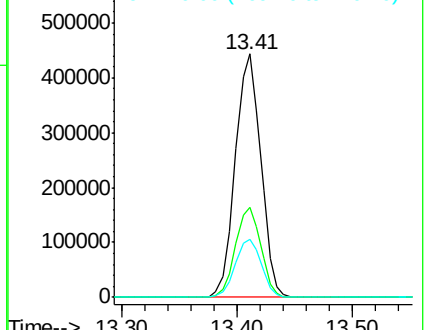
Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.2
170	23.9	19.9	29.9



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



#50

Dimethylphthalate

Concen: 5.471 ng

RT: 14.23 min Scan# 1896

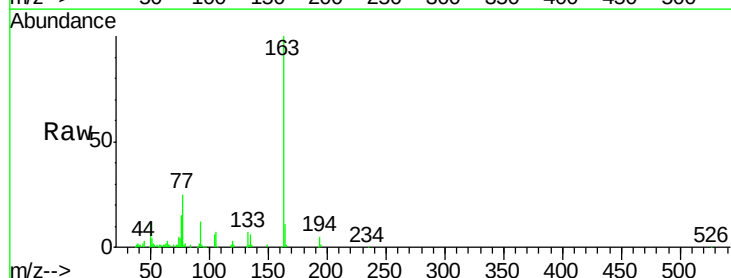
Delta R.T. -0.01 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

Tgt Ion:163 Resp: 76591

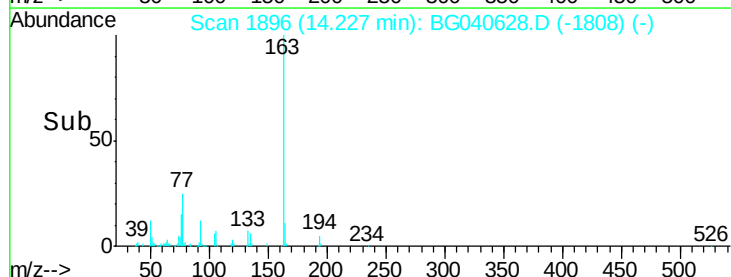
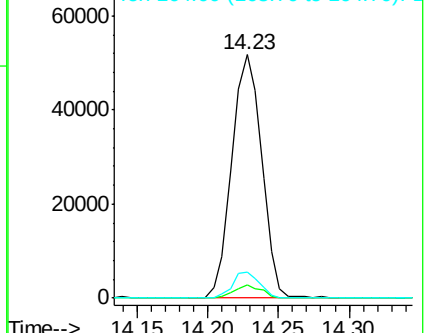
Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.8	5.8
164	10.6	8.8	13.2

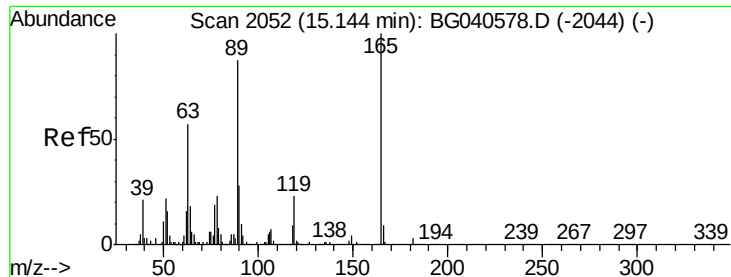


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#57

2,4-Dinitrotoluene

Concen: 5.609 ng

RT: 14.79 min Scan# 1991

Delta R.T. -0.36 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

Instrument :

BNA_G

ClientSampleId :

SSSI-0419-S-DH-6-T

Tot Ion:165 Resp: 20825

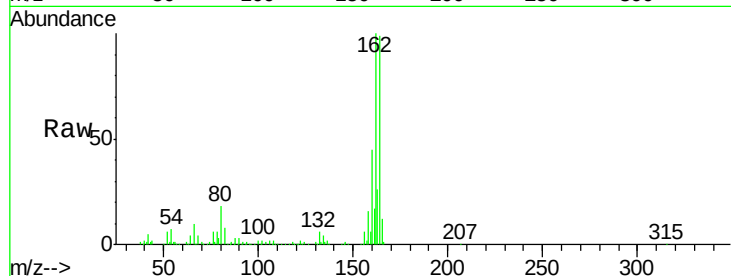
Ion Ratio Lower Upper

165 100

63 1.4 45.8 68.8#

89 2.6 69.4 104.2#

182 0.0 2.2 3.4#

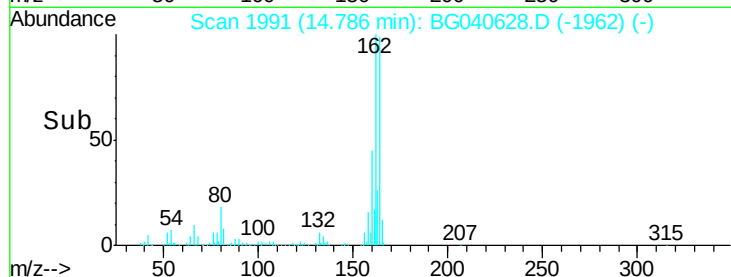


Abundance Ion 165.00 (164.70 to 165.70): E

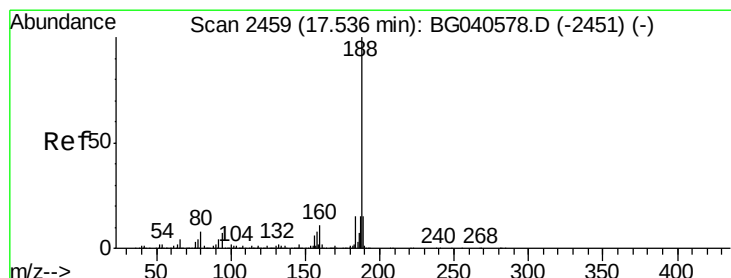
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



Time--> 14.70 14.75 14.80 14.85



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2458

Delta R.T. -0.01 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

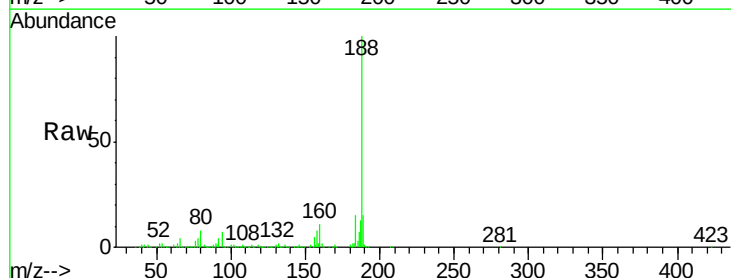
Tgt Ion:188 Resp: 413559

Ion Ratio Lower Upper

188 100

94 7.4 5.6 8.4

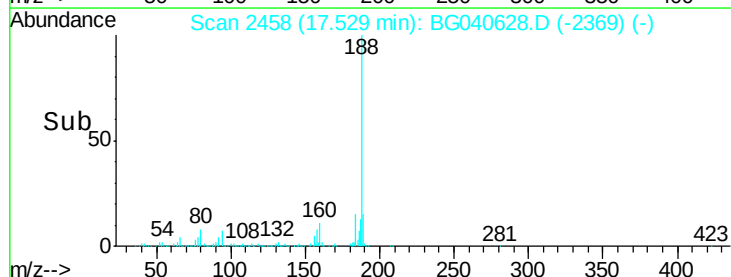
80 7.7 6.4 9.6



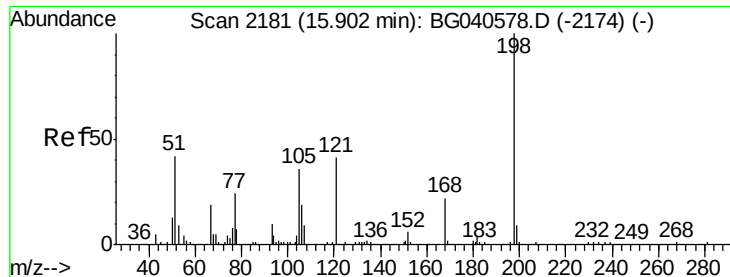
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time--> 17.50 17.60



#65

4,6-Dinitro-2-methylphenol

Concen: 7.124 ng

RT: 15.53 min Scan# 2118

Delta R.T. -0.37 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

Instrument :

BNA_G

ClientSampleId :

SSSI-0419-S-DH-6-T

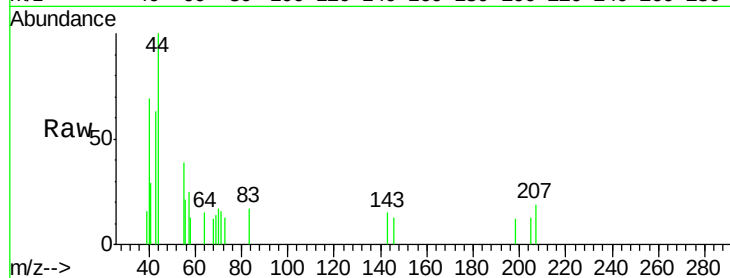
Tot Ion:198 Resp: 54

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

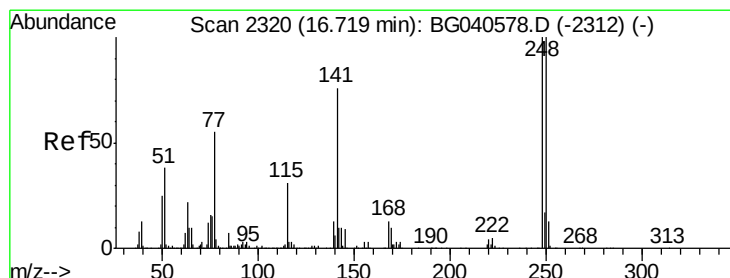
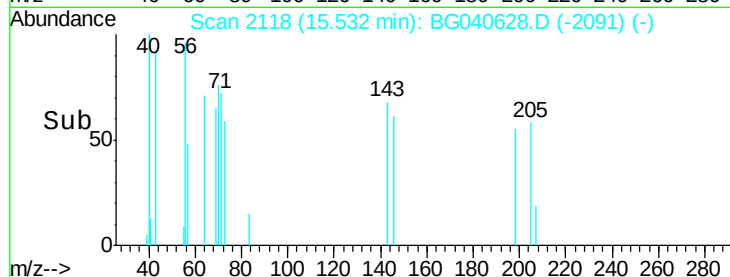
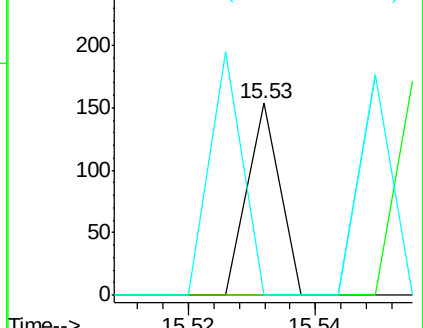
105 0.0 21.2 61.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.232 ng

RT: 16.27 min Scan# 2243

Delta R.T. -0.45 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

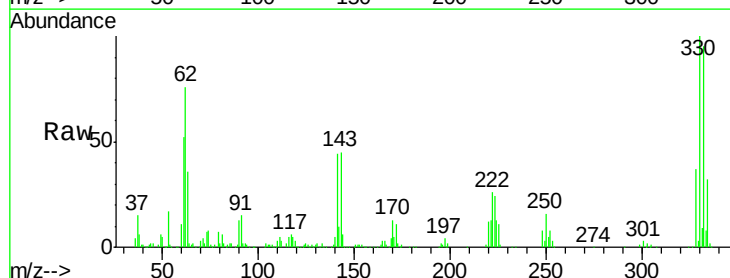
Tgt Ion:248 Resp: 16650

Ion Ratio Lower Upper

248 100

250 197.3 79.8 119.6#

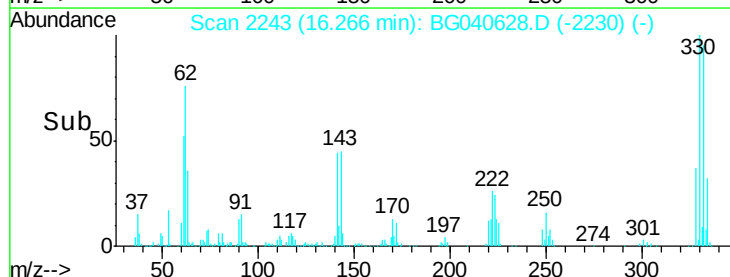
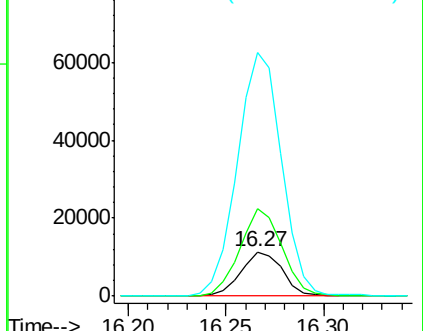
141 549.3 60.8 91.2#

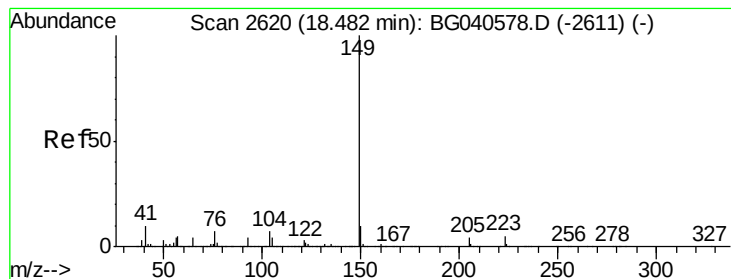


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Di-n-butylphthalate

Concen: 2.987 ng

RT: 18.47 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

Instrument :

BNA_G

ClientSampleId :

SSSI-0419-S-DH-6-T

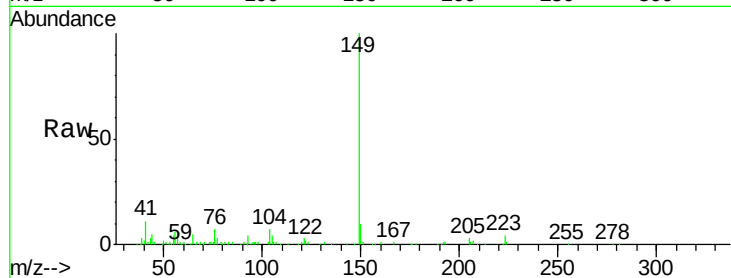
Tot Ion:149 Resp: 73556

Ion Ratio Lower Upper

149 100

150 10.0 8.2 12.2

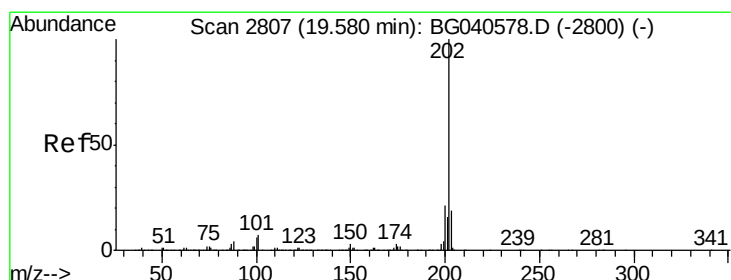
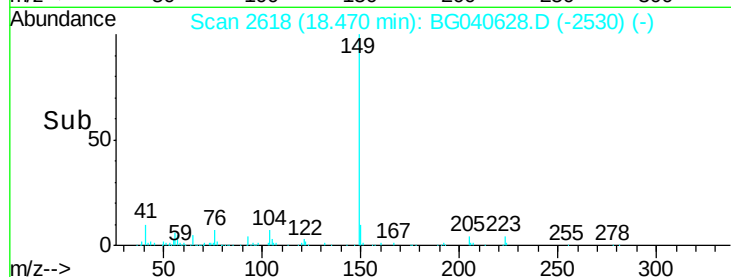
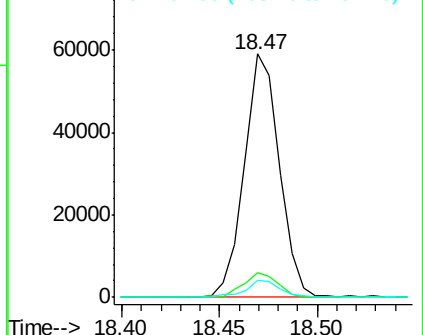
104 6.8 5.4 8.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 2.652 ng

RT: 19.57 min Scan# 2806

Delta R.T. -0.01 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

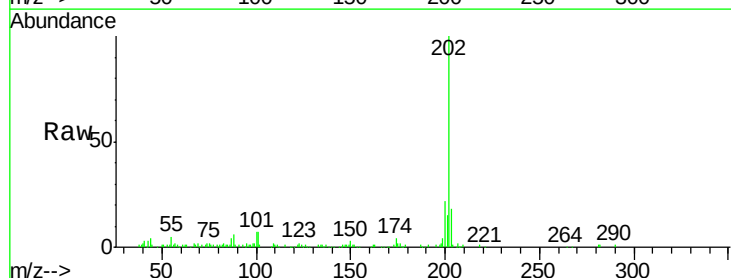
Tgt Ion:202 Resp: 73614

Ion Ratio Lower Upper

202 100

101 8.4 0.0 27.5

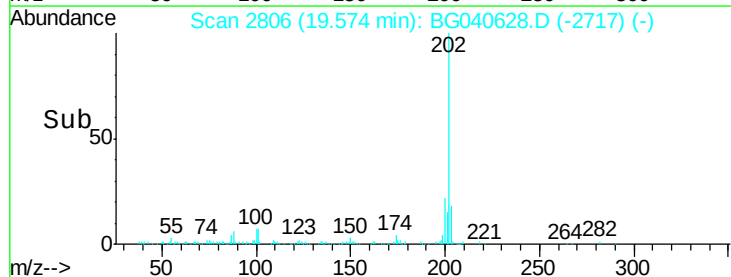
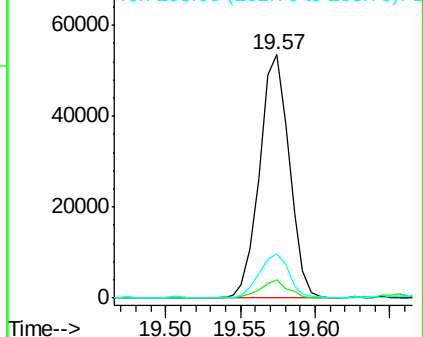
203 17.9 0.0 39.3

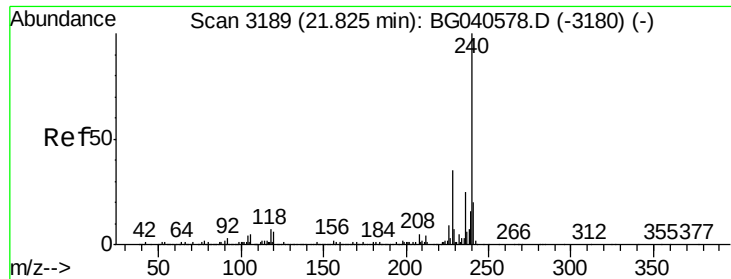


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.82 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

Instrument :

BNA_G

ClientSampleId :

SSSI-0419-S-DH-6-T

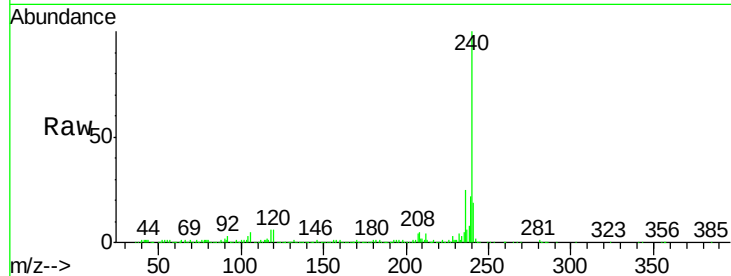
Tot Ion:240 Resp: 405314

Ion Ratio Lower Upper

240 100

120 6.1 5.0 7.6

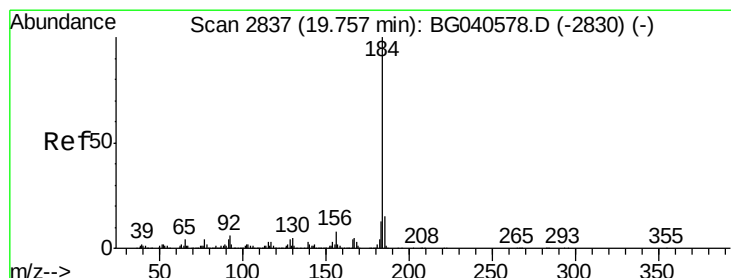
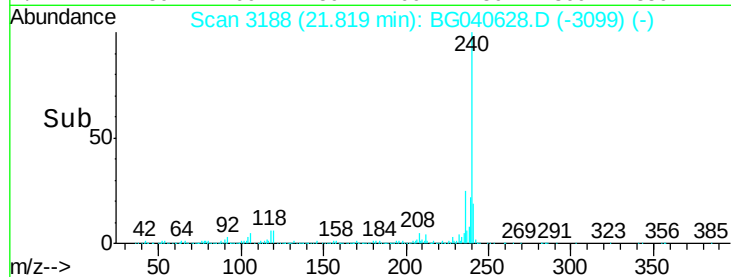
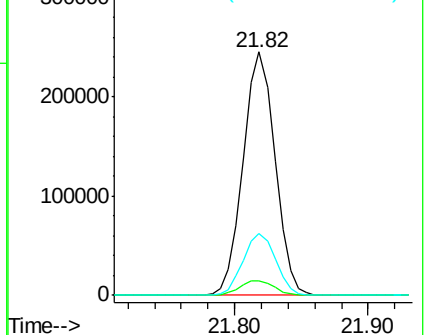
236 25.3 20.3 30.5



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



#77

Benzidine

Concen: 2.142 ng

RT: 20.13 min Scan# 2900

Delta R.T. 0.37 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

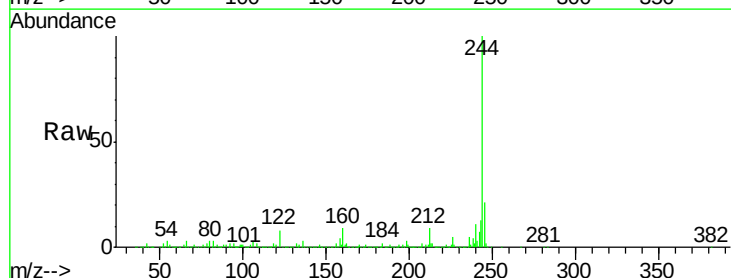
Tgt Ion:184 Resp: 23767

Ion Ratio Lower Upper

184 100

185 15.4 11.8 17.8

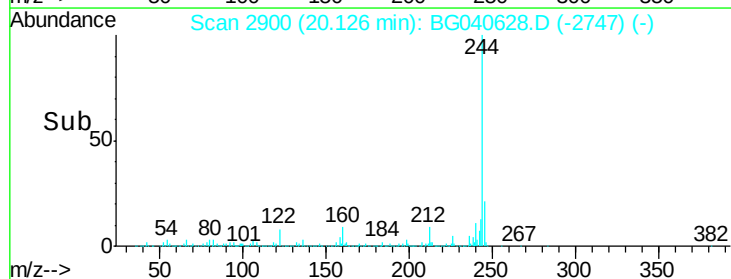
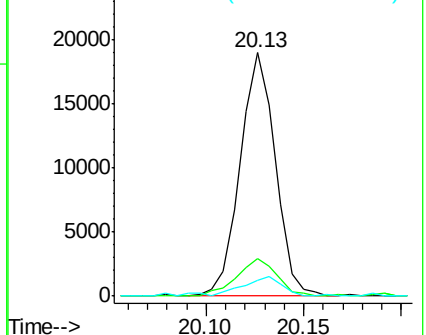
183 6.3 10.2 15.2#

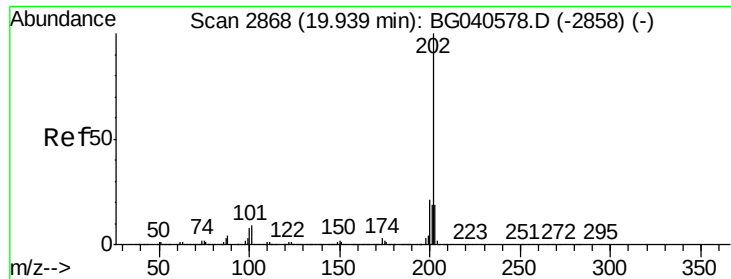


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

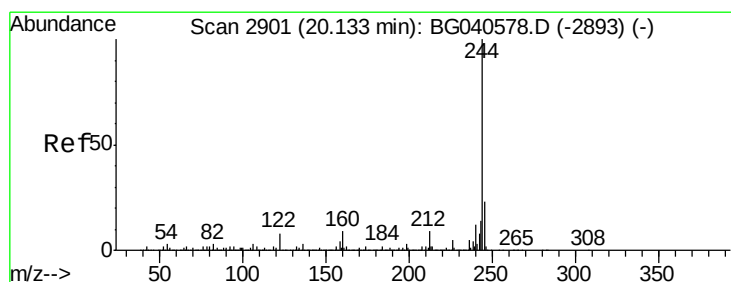
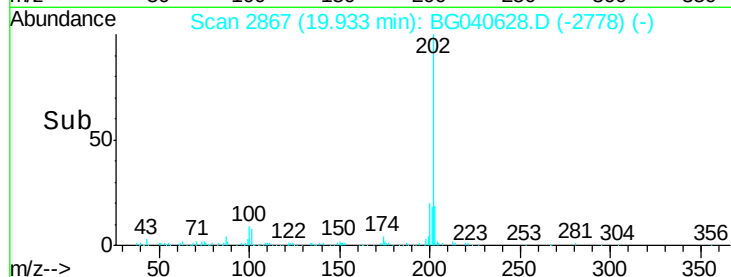
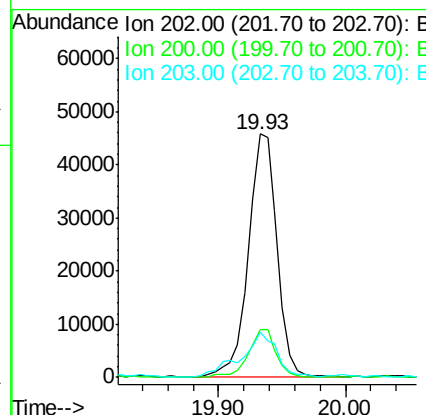
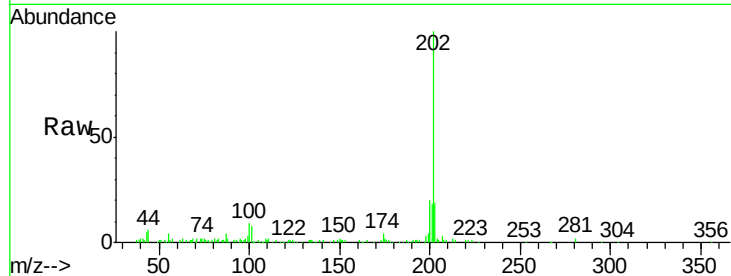




#78
Pvrene
Concen: 2.840 ng
RT: 19.93 min Scan# 2867
Delta R.T. -0.01 min
Lab File: BG040628.D
Acq: 26 Apr 2019 14:19

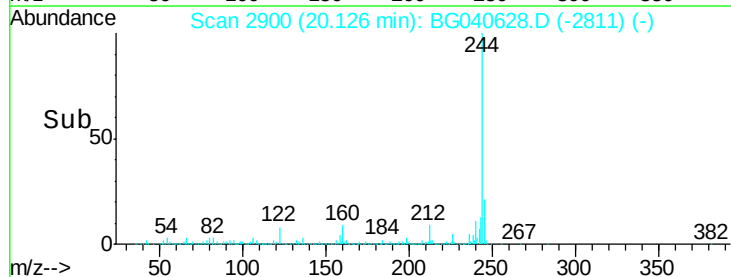
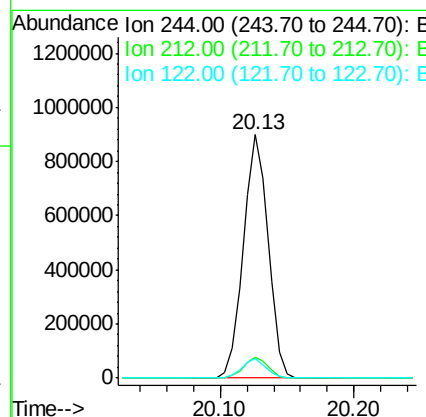
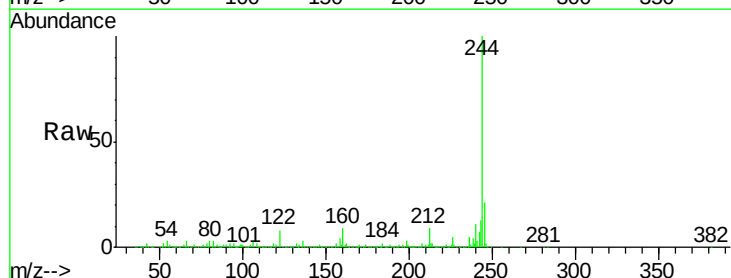
Instrument :
BNA_G
ClientSampleId :
SSSI-0419-S-DH-6-T

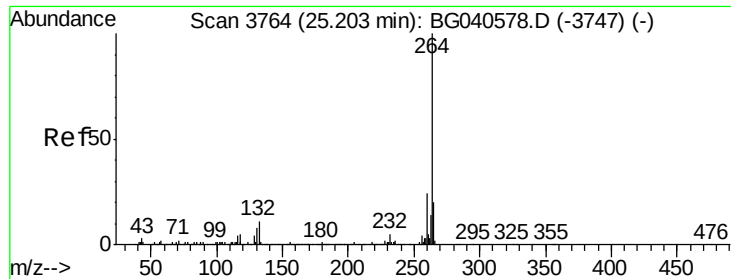
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.2	25.8
203	18.5	15.0	22.4



#79
Terphenyl-d14
Concen: 62.821 ng
RT: 20.13 min Scan# 2900
Delta R.T. -0.01 min
Lab File: BG040628.D
Acq: 26 Apr 2019 14:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.2	10.8
122	7.9	6.6	10.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.19 min Scan# 3762

Delta R.T. -0.01 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

Instrument :

BNA_G

ClientSampleId :

SSSI-0419-S-DH-6-T

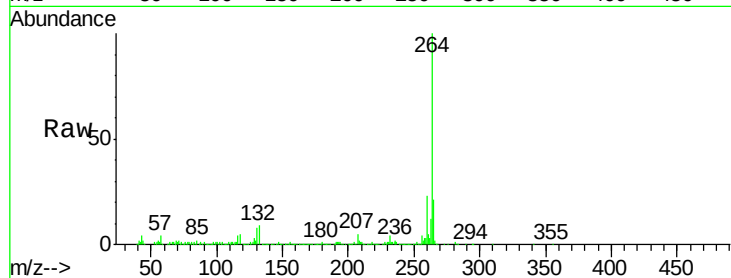
Tot Ion:264 Resp: 434732

Ion Ratio Lower Upper

264 100

260 22.6 19.2 28.8

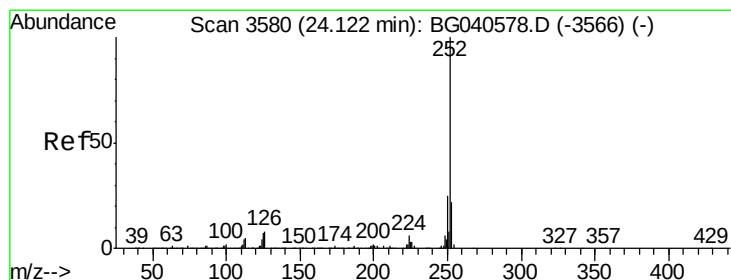
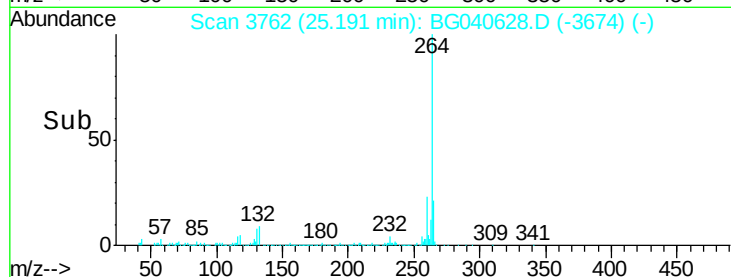
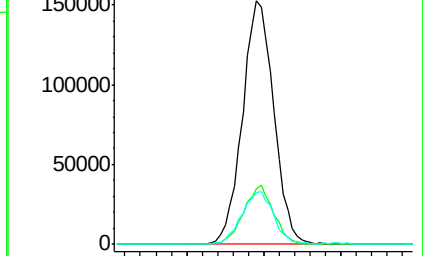
265 21.2 16.6 25.0



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



#88

Benzo(b)fluoranthene

Concen: 2.615 ng

RT: 24.12 min Scan# 3580

Delta R.T. -0.00 min

Lab File: BG040628.D

Acq: 26 Apr 2019 14:19

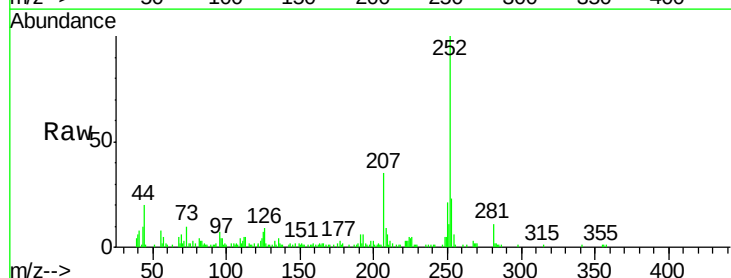
Tgt Ion:252 Resp: 69471

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

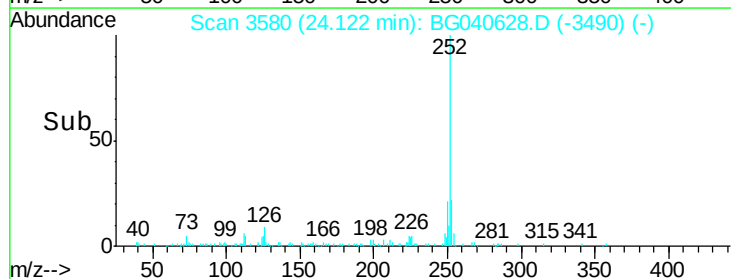
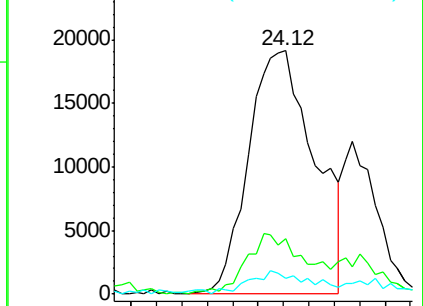
125 6.5 5.4 8.0

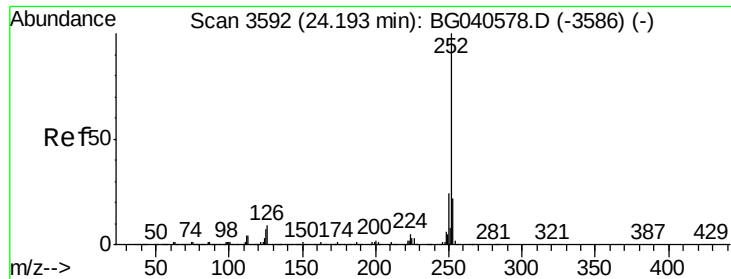


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89
 Benzo(k)fluoranthene
 Concen: 2.800 ng
 RT: 24.12 min Scan# 3580
 Delta R.T. -0.07 min
 Lab File: BG040628.D
 Acq: 26 Apr 2019 14:19

Instrument :
 BNA_G
 ClientSampleId :
 SSSI-0419-S-DH-6-T

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	6.5	5.5	8.3

