

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062219\
 Data File : BG041416.D
 Acq On : 22 Jun 2019 23:17
 Operator : HP/JU
 Sample : K3455-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-5-DUCT-BANK

Quant Time: Jun 24 02:12:09 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

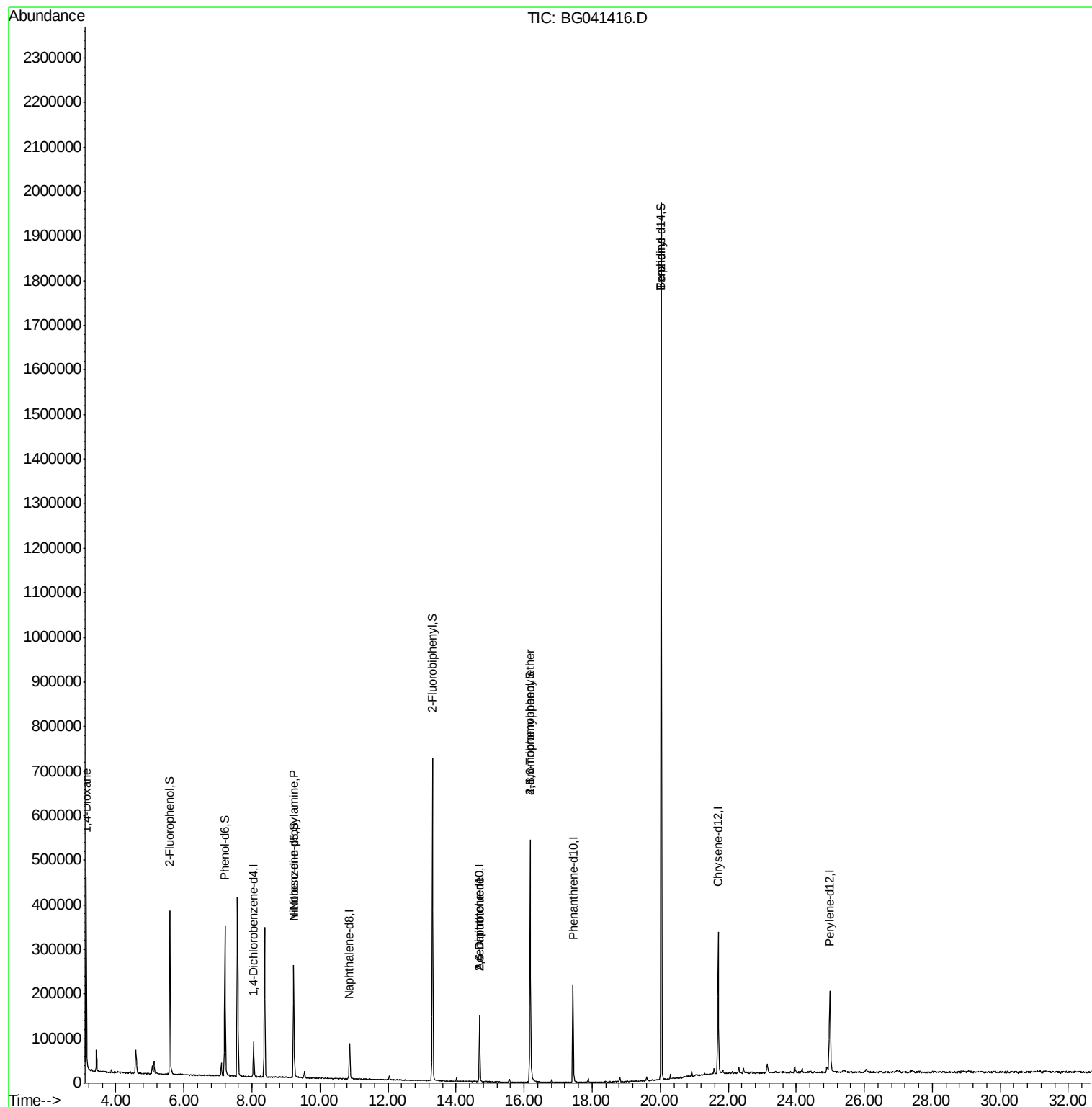
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	22328	20.00	ng	-0.03
21) Naphthalene-d8	10.87	136	75892	20.00	ng	-0.03
39) Acenaphthene-d10	14.69	164	54684	20.00	ng	-0.03
64) Phenanthrene-d10	17.44	188	153742	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	206689	20.00	ng	-0.04
87) Perylene-d12	24.99	264	218640	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	146283	120.38	ng	-0.03
7) Phenol-d6	7.21	99	186030	105.61	ng	-0.03
23) Nitrobenzene-d5	9.23	82	161127	89.29	ng	-0.03
42) 2,4,6-Tribromophenol	16.18	330	120232	143.22	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	371617	92.36	ng	-0.03
79) Terphenyl-d14	20.03	244	959523	92.00	ng	-0.03
Target Compounds						
2) 1,4-Dioxane	3.12	88	4369	7.170	ng	# 1
19) n-Nitroso-di-n-propylamine	9.23	70	23251	16.321	ng	# 76
51) 2,6-Dinitrotoluene	14.69	165	6726	6.556	ng	# 15
57) 2,4-Dinitrotoluene	14.69	165	6726	4.485	ng	# 18
67) 4-Bromophenyl-phenylether	16.18	248	8097	4.073	ng	# 1
77) Benzidine	20.03	184	15988	3.198	ng	# 96

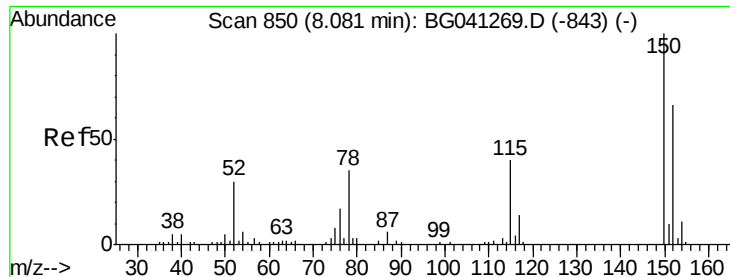
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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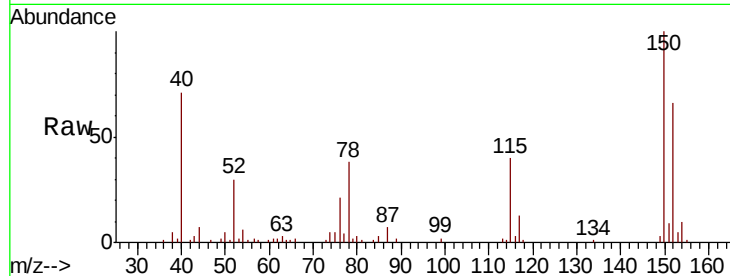


#1

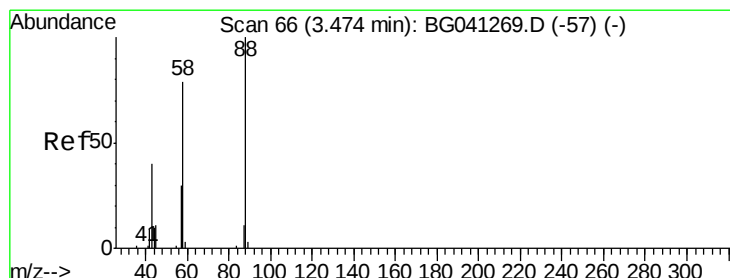
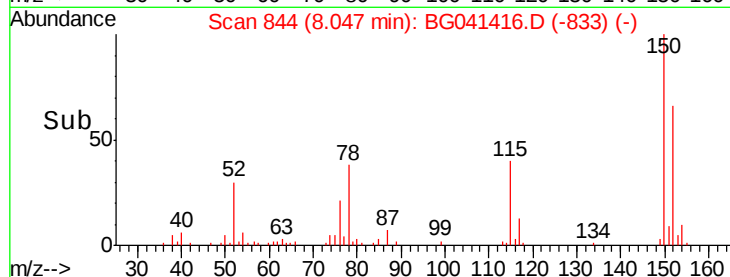
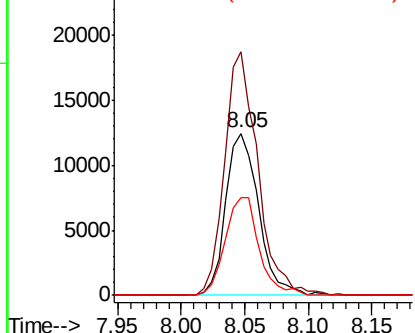
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.03 min
Lab File: BG041416.D
Acq: 22 Jun 2019 23:17

Instrument :
BNA_G
ClientSampleId :
TP-5-DUCT-BANK

Tot Ion:152 Resp: 22328
Ion Ratio Lower Upper
152 100
150 150.5 120.6 181.0
115 60.0 47.9 71.9



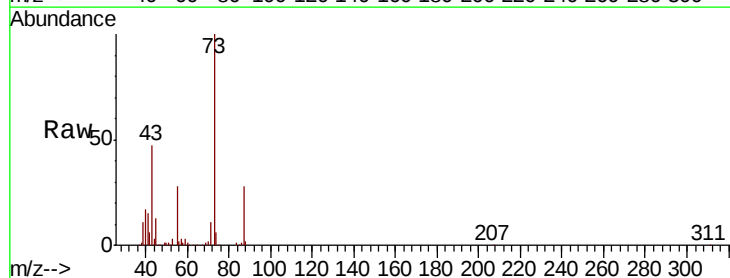
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



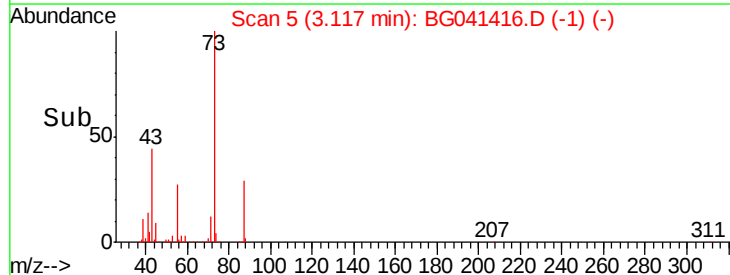
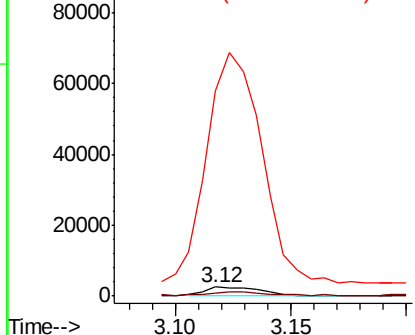
#2

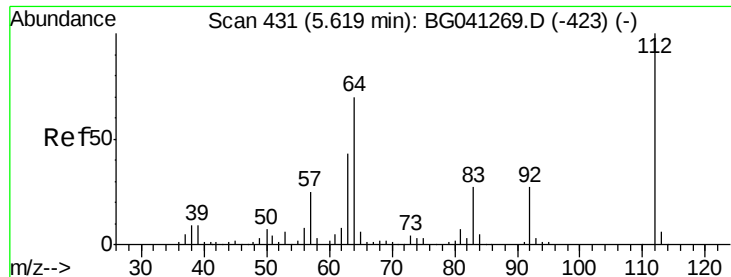
1,4-Dioxane
Concen: 7.170 ng
RT: 3.12 min Scan# 5
Delta R.T. -0.36 min
Lab File: BG041416.D
Acq: 22 Jun 2019 23:17

Tgt Ion: 88 Resp: 4369
Ion Ratio Lower Upper
88 100
58 36.0 59.7 89.5#
43 2378.0 31.9 47.9#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 120.379 ng

RT: 5.59 min Scan# 425

Delta R.T. -0.03 min

Lab File: BG041416.D

Acq: 22 Jun 2019 23:17

Instrument :

BNA_G

ClientSampleId :

TP-5-DUCT-BANK

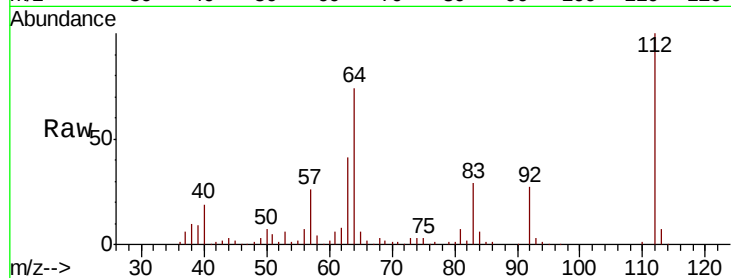
Tot Ion: 112 Resp: 146283

Ion Ratio Lower Upper

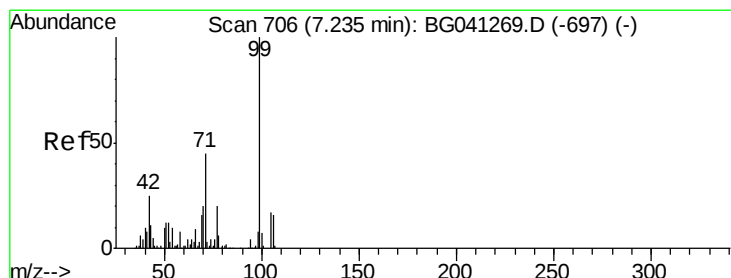
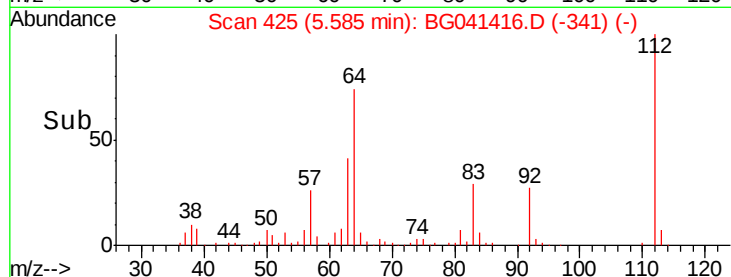
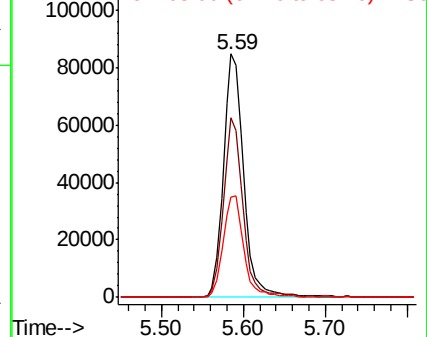
112 100

64 73.7 55.9 83.9

63 41.4 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): BGC
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 105.613 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.03 min

Lab File: BG041416.D

Acq: 22 Jun 2019 23:17

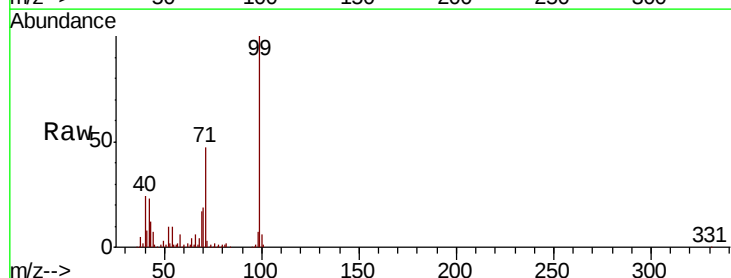
Tgt Ion: 99 Resp: 186030

Ion Ratio Lower Upper

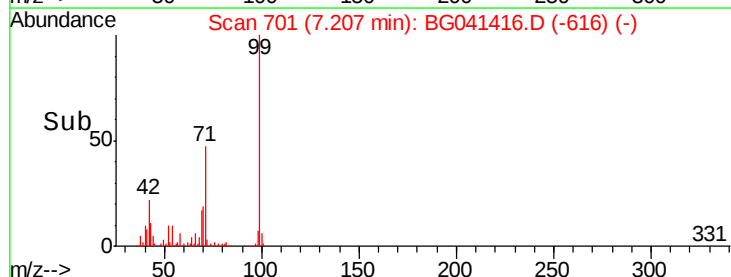
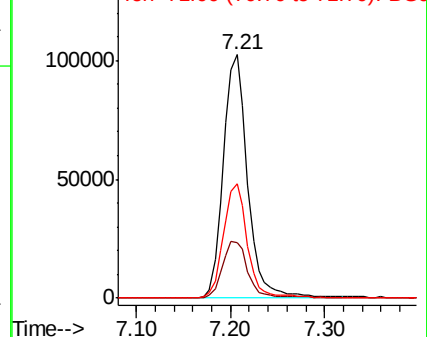
99 100

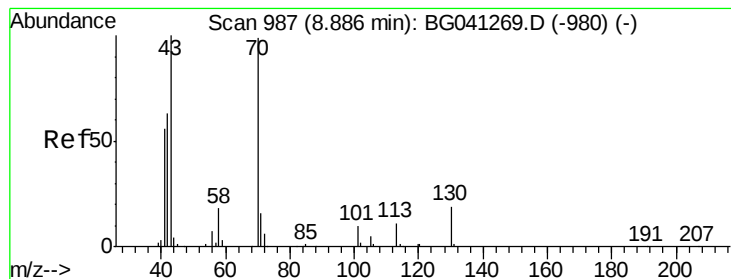
42 22.5 19.9 29.9

71 47.1 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





#19

n-Nitroso-di-n-propylamine

Concen: 16.321 ng

RT: 9.23 min Scan# 1045

Delta R.T. 0.34 min

Lab File: BG041416.D

Acq: 22 Jun 2019 23:17

Instrument :

BNA_G

ClientSampleId :

TP-5-DUCT-BANK

Tot Ion: 70 Resp: 23251

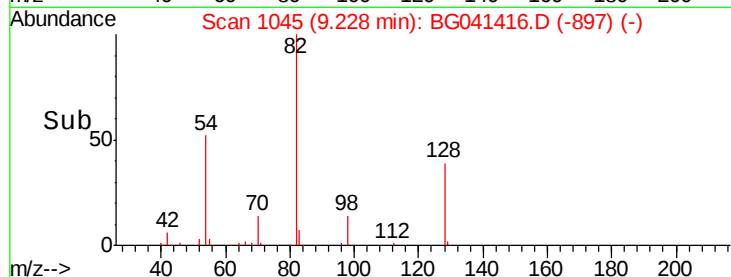
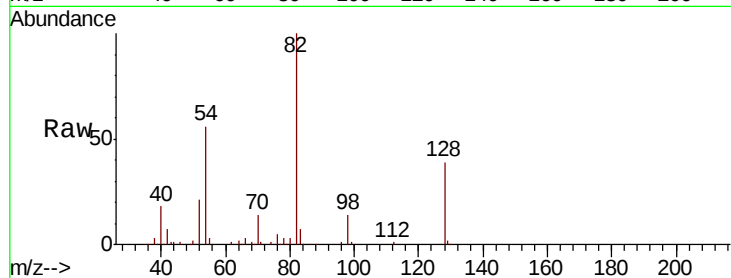
Ion Ratio Lower Upper

70 100

42 49.3 51.4 77.2#

101 0.0 8.2 12.2#

130 1.4 15.2 22.8#

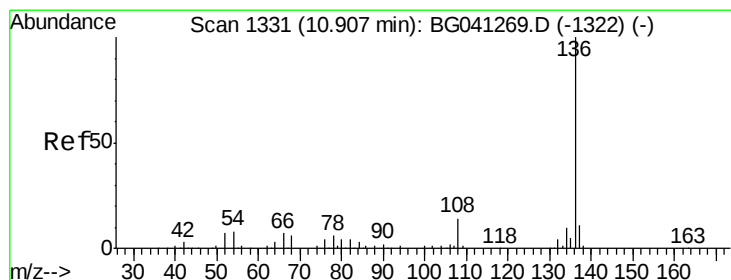
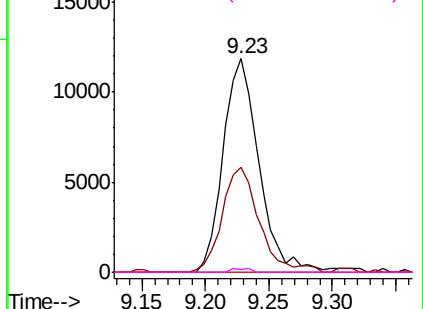


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.87 min Scan# 1325

Delta R.T. -0.03 min

Lab File: BG041416.D

Acq: 22 Jun 2019 23:17

Tgt Ion: 136 Resp: 75892

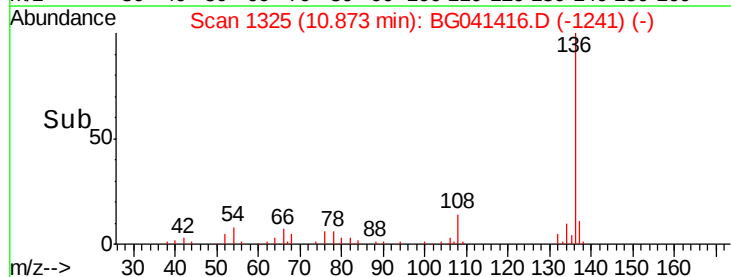
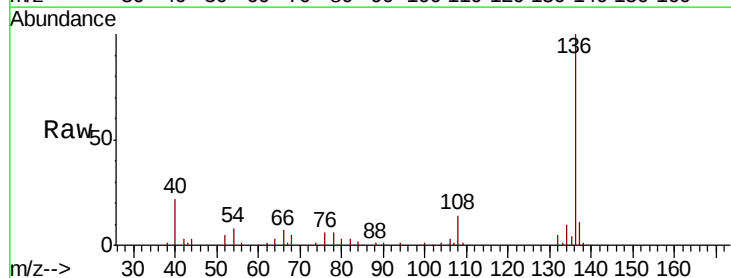
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.0 6.4 9.6

68 5.2 4.8 7.2

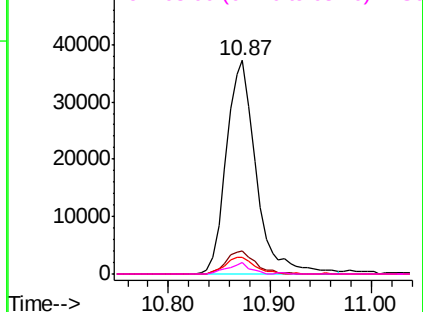


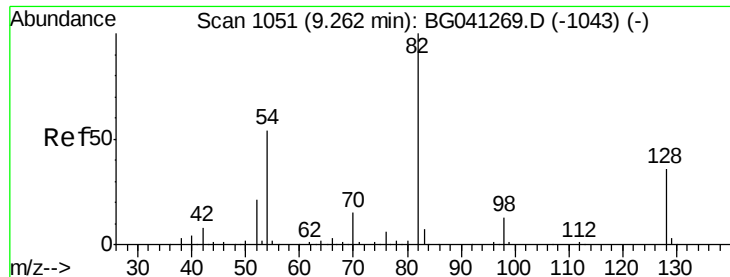
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

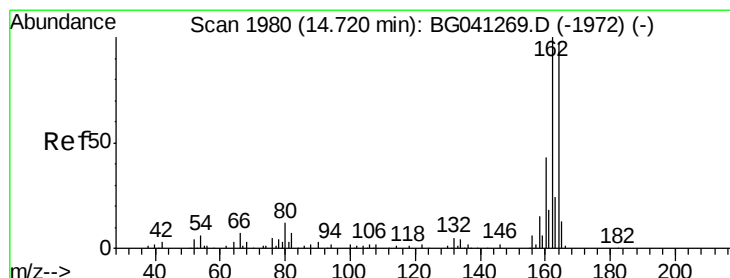
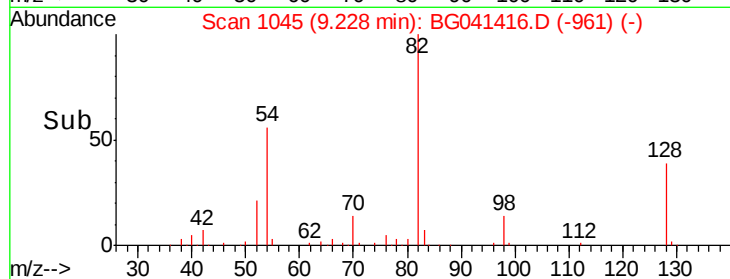
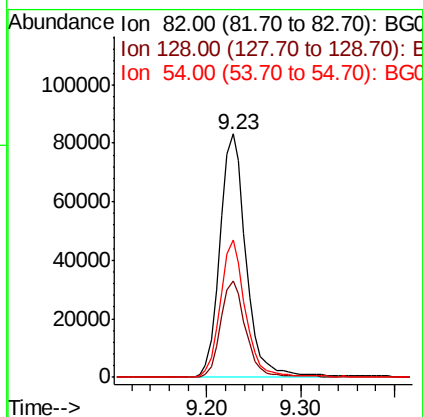
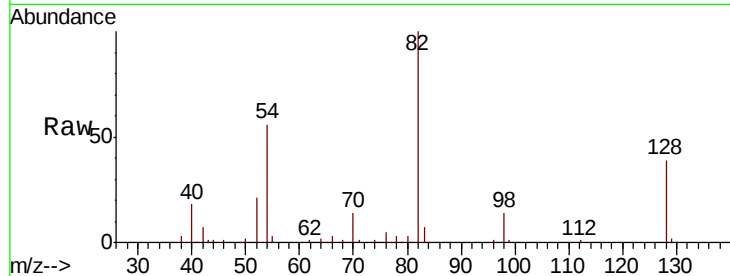




#23
 Nitrobenzene-d5
 Concen: 89.290 ng
 RT: 9.23 min Scan# 1045
 Delta R.T. -0.03 min
 Lab File: BG041416.D
 Acq: 22 Jun 2019 23:17

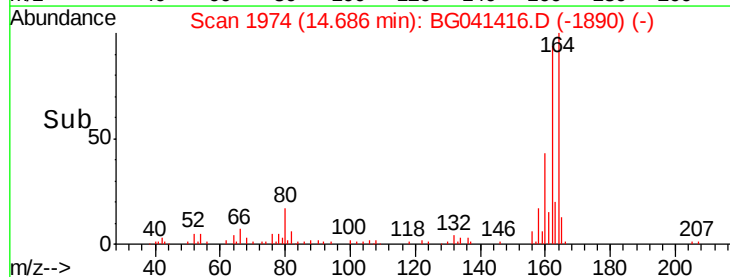
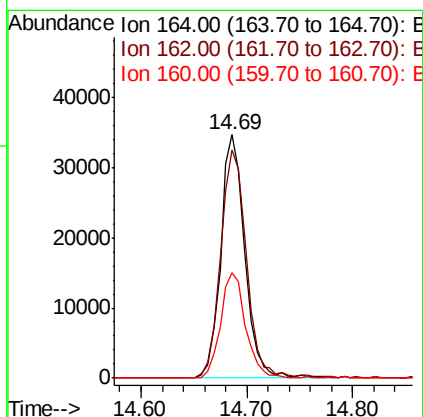
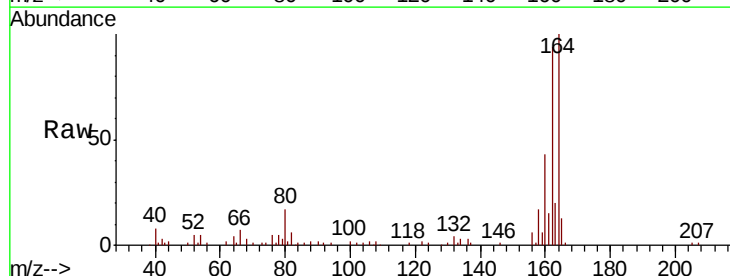
Instrument :
 BNA_G
 ClientSampleId :
 TP-5-DUCT-BANK

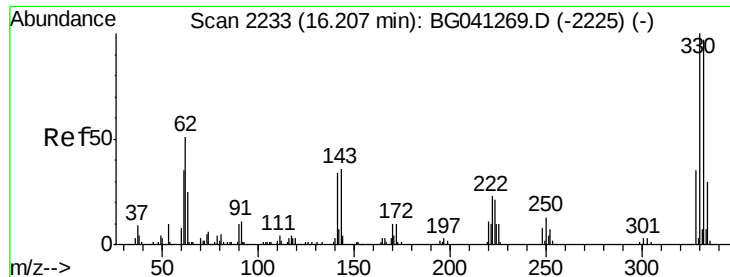
Tot Ion: 82 Resp: 161127
 Ion Ratio Lower Upper
 82 100
 128 39.5 29.2 43.8
 54 56.4 43.4 65.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.03 min
 Lab File: BG041416.D
 Acq: 22 Jun 2019 23:17

Tgt Ion: 164 Resp: 54684
 Ion Ratio Lower Upper
 164 100
 162 93.8 82.8 124.2
 160 43.1 35.8 53.8

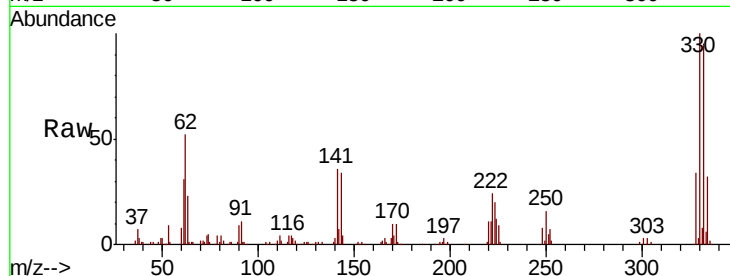




#42
 2,4,6-Tribromophenol
 Concen: 143.215 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.03 min
 Lab File: BG041416.D
 Acq: 22 Jun 2019 23:17

Instrument :
 BNA_G
 ClientSampleId :
 TP-5-DUCT-BANK

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.5	113.3
141	36.0	29.0	43.4

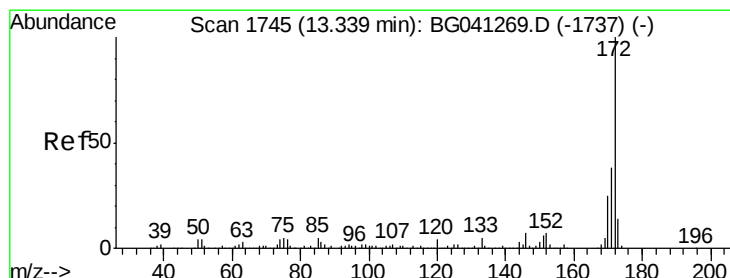
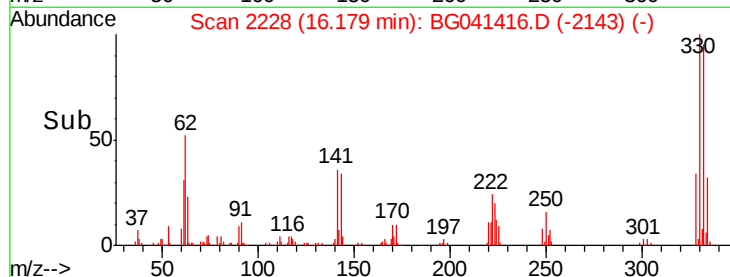
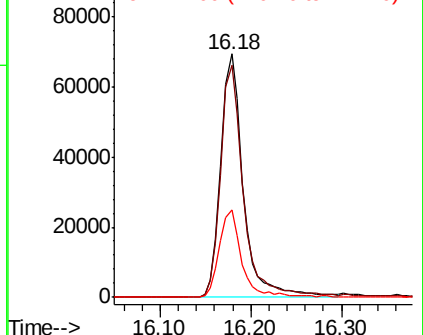


Abundance

Ion 329.80 (329.50 to 330.50): E

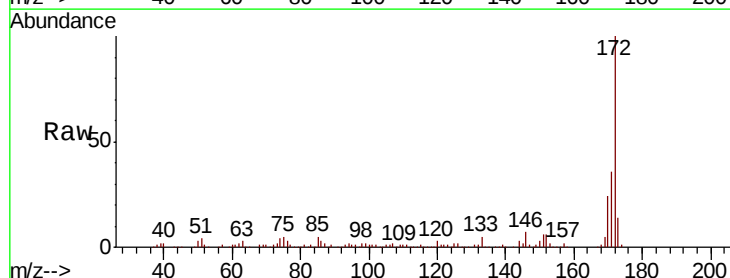
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 92.364 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.03 min
 Lab File: BG041416.D
 Acq: 22 Jun 2019 23:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.0	45.0
170	24.1	19.8	29.6

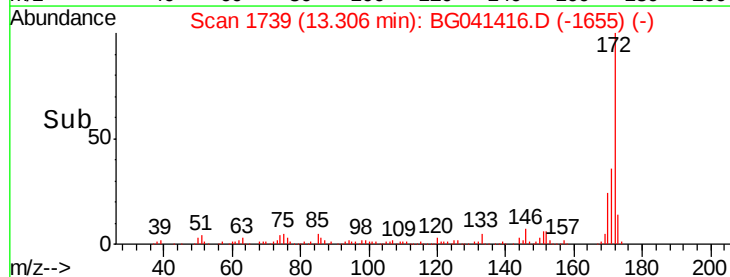
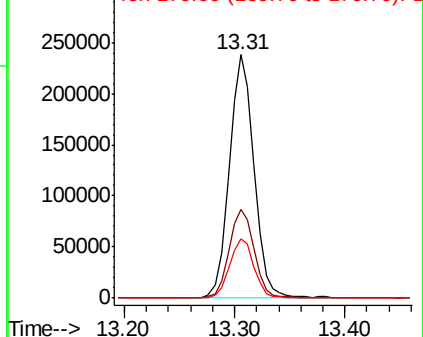


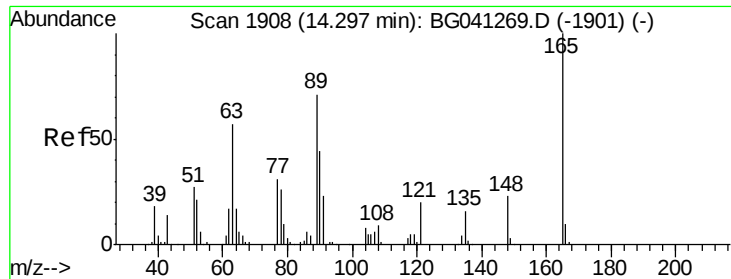
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 6.556 ng

RT: 14.69 min Scan# 1974

Delta R.T. 0.39 min

Lab File: BG041416.D

Acq: 22 Jun 2019 23:17

Instrument :

BNA_G

ClientSampleId :

TP-5-DUCT-BANK

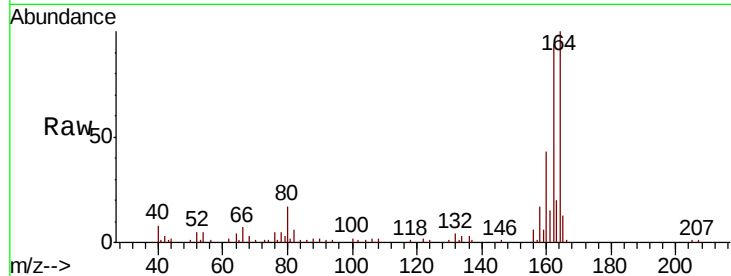
Tot Ion:165 Resp: 6726

Ion Ratio Lower Upper

165 100

63 0.0 55.4 83.0#

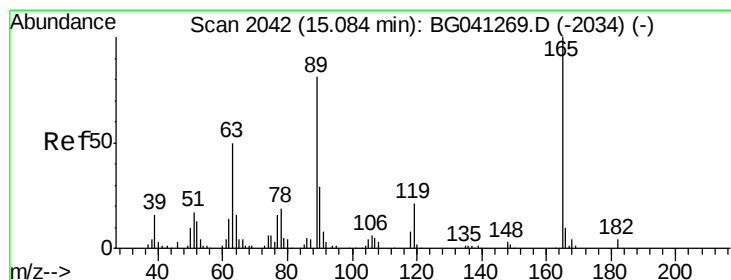
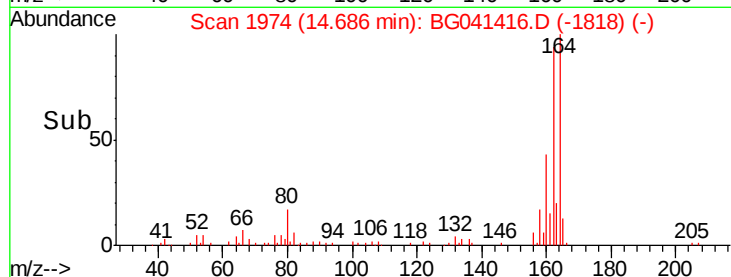
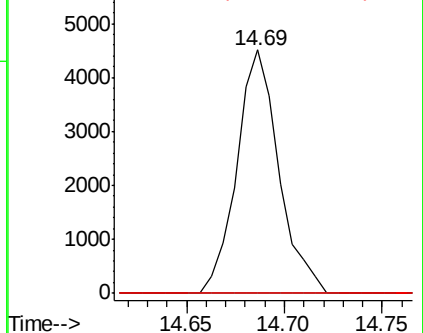
89 0.0 56.5 84.7#



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



#57

2,4-Dinitrotoluene

Concen: 4.485 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.40 min

Lab File: BG041416.D

Acq: 22 Jun 2019 23:17

Tgt Ion:165 Resp: 6726

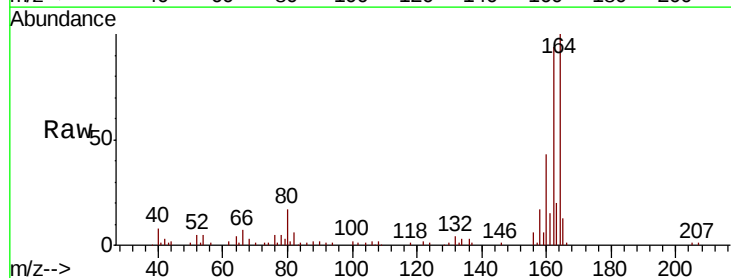
Ion Ratio Lower Upper

165 100

63 0.0 40.0 60.0#

89 0.0 64.6 96.8#

182 0.0 2.9 4.3#

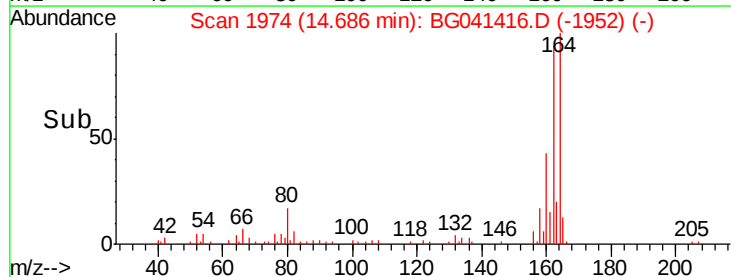
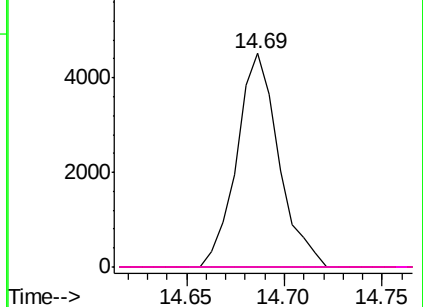


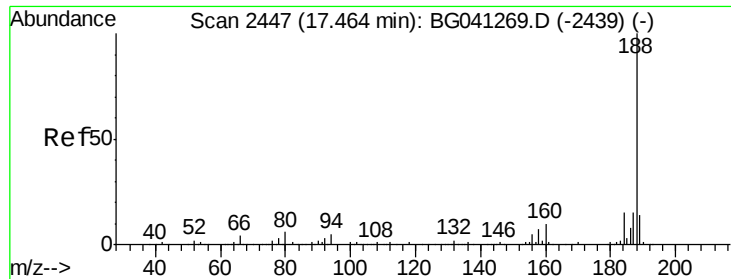
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2442

Delta R.T. -0.03 min

Lab File: BG041416.D

Acq: 22 Jun 2019 23:17

Instrument :

BNA_G

ClientSampleId :

TP-5-DUCT-BANK

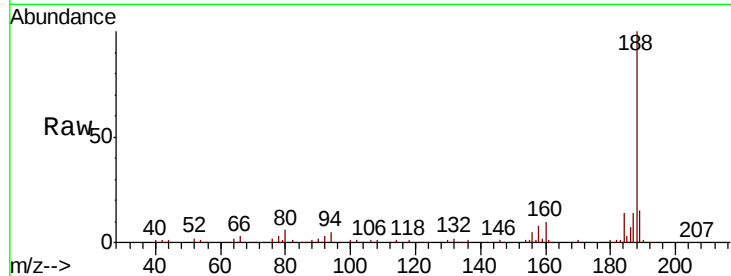
Tot Ion:188 Resp: 153742

Ion Ratio Lower Upper

188 100

94 4.7 3.6 5.4

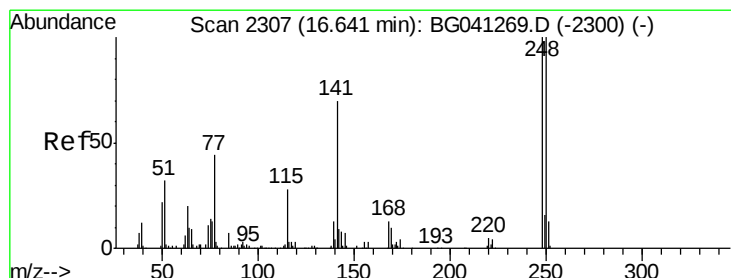
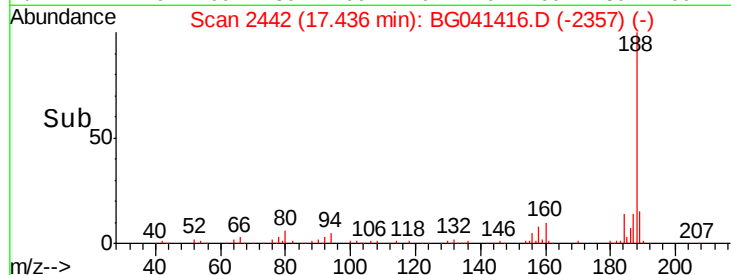
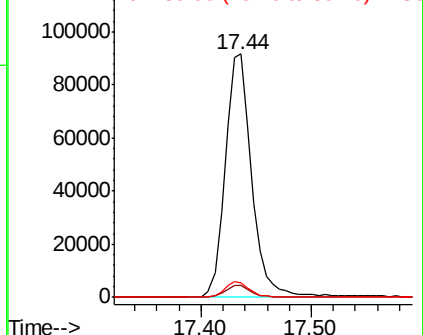
80 5.8 4.8 7.2



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



#67

4-Bromophenyl-phenylether

Concen: 4.073 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.46 min

Lab File: BG041416.D

Acq: 22 Jun 2019 23:17

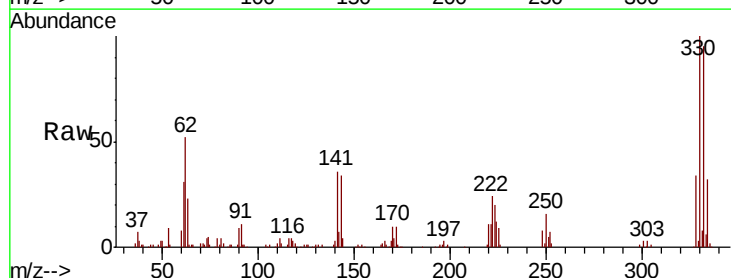
Tgt Ion:248 Resp: 8097

Ion Ratio Lower Upper

248 100

250 207.7 79.8 119.8#

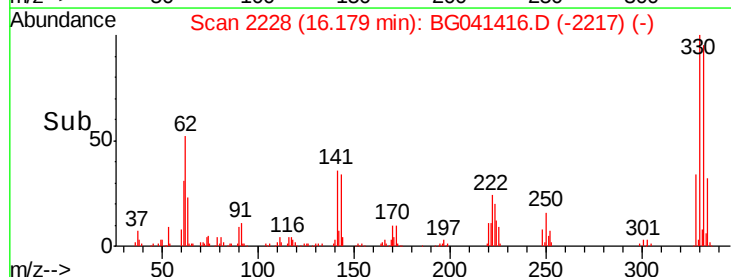
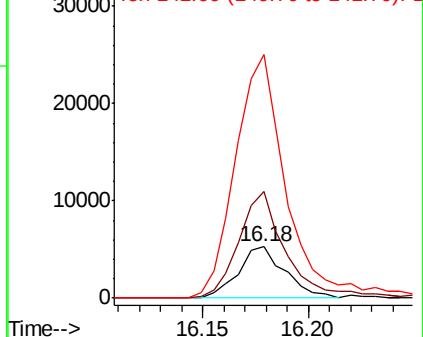
141 476.4 55.8 83.6#

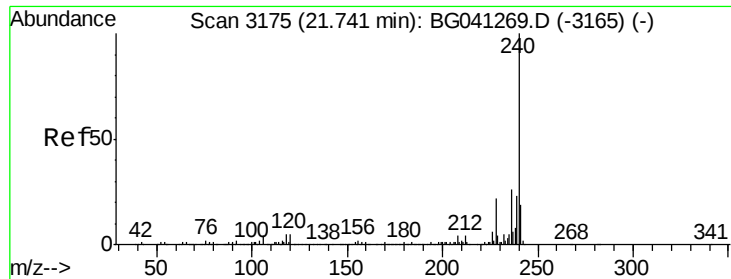


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

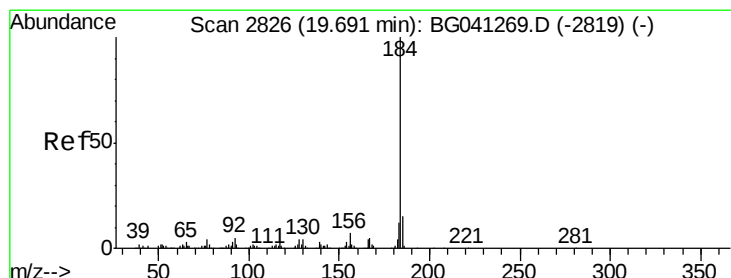
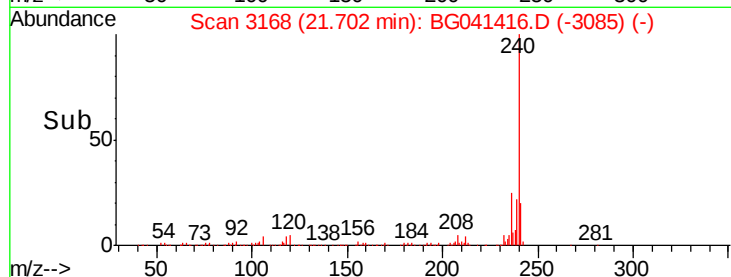
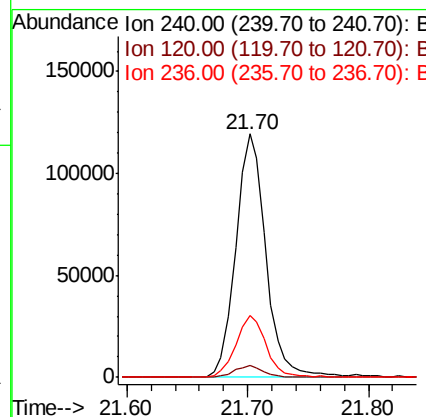
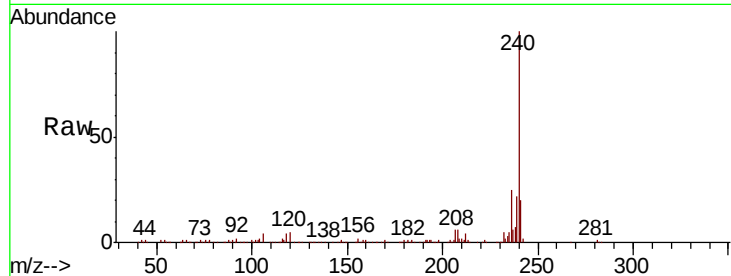




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.04 min
Lab File: BG041416.D
Acq: 22 Jun 2019 23:17

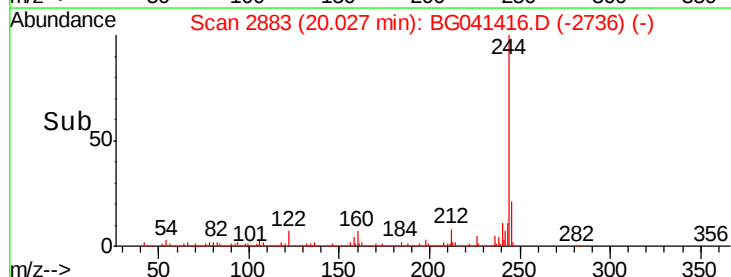
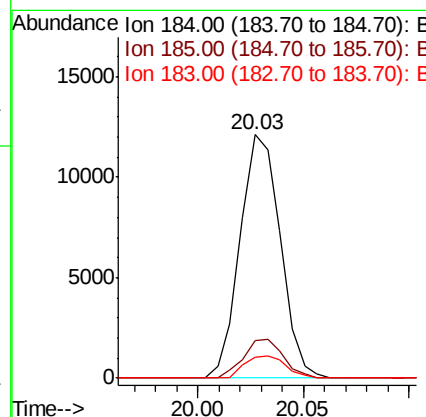
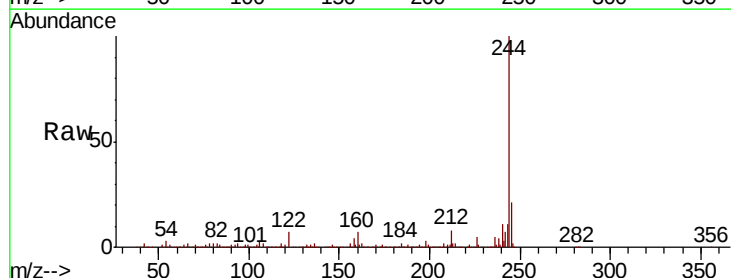
Instrument :
BNA_G
ClientSampleId :
TP-5-DUCT-BANK

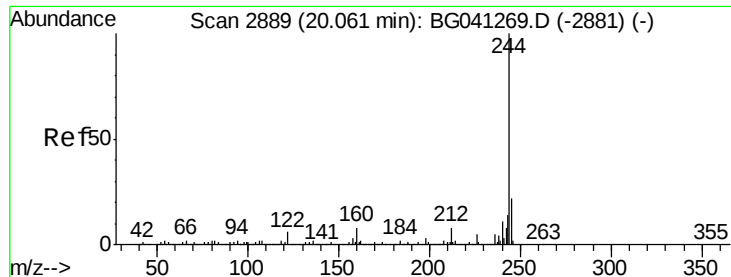
Tot Ion:240 Resp: 206689
Ion Ratio Lower Upper
240 100
120 4.8 3.7 5.5
236 25.3 21.1 31.7



#77
Benzidine
Concen: 3.198 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.34 min
Lab File: BG041416.D
Acq: 22 Jun 2019 23:17

Tgt Ion:184 Resp: 15988
Ion Ratio Lower Upper
184 100
185 15.6 12.2 18.2
183 8.6 9.6 14.4#





#79

Terphenyl-d14

Concen: 92.002 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG041416.D

Acq: 22 Jun 2019 23:17

Instrument :

BNA_G

ClientSampleId :

TP-5-DUCT-BANK

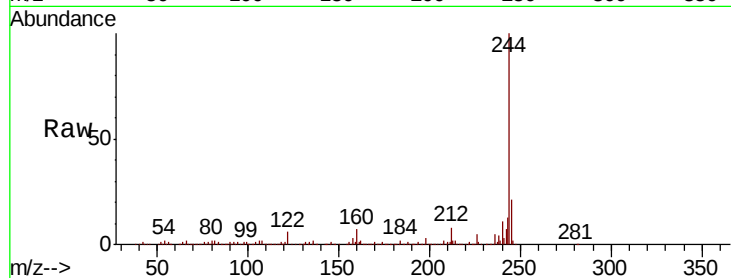
Tot Ion:244 Resp: 959523

Ion Ratio Lower Upper

244 100

212 8.0 6.6 10.0

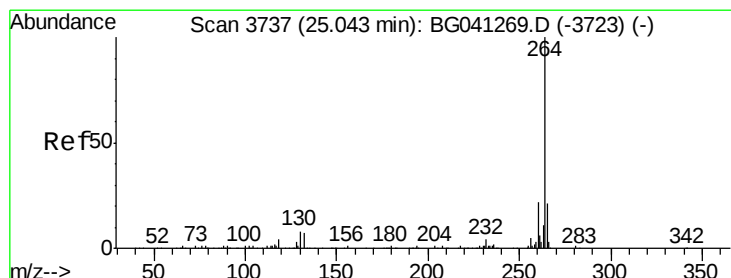
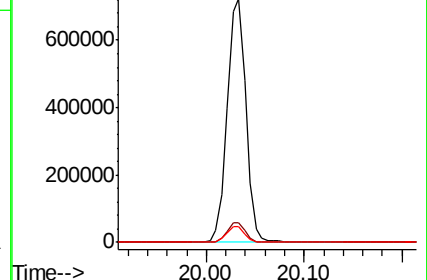
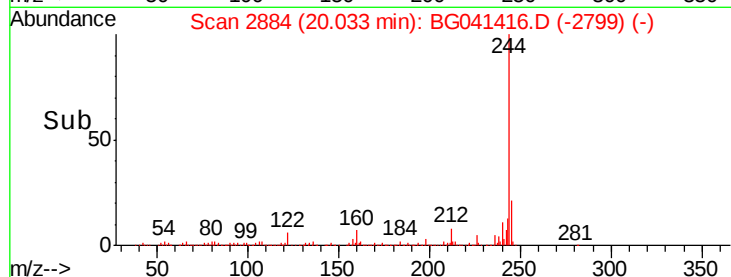
122 6.3 5.0 7.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.99 min Scan# 3728

Delta R.T. -0.05 min

Lab File: BG041416.D

Acq: 22 Jun 2019 23:17

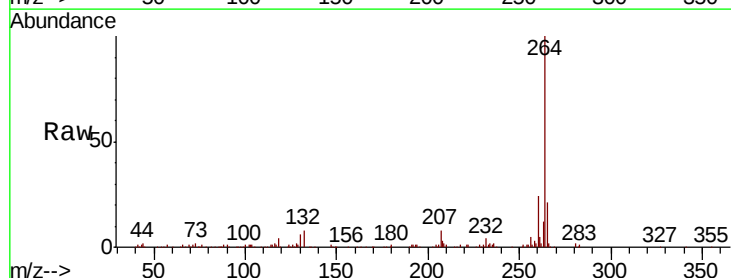
Tgt Ion:264 Resp: 218640

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.2

265 20.8 17.2 25.8



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

