

Data File : BG044011.D
Acq On : 10 Jan 2020 21:17
Operator : JU
Sample : L1068-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SIDE-WALK

Quant Time: Jan 11 04:17:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	33794	20.00	ng	-0.01
21) Naphthalene-d8	10.76	136	140995	20.00	ng	-0.01
39) Acenaphthene-d10	14.59	164	84565	20.00	ng	-0.01
64) Phenanthrene-d10	17.32	188	161311	20.00	ng	-0.01
76) Chrysene-d12	21.57	240	131827	20.00	ng	-0.02
87) Perylene-d12	24.70	264	150620	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	102566	55.73	ng	0.00
7) Phenol-d6	7.12	99	225047	87.48	ng	0.00
23) Nitrobenzene-d5	9.11	82	145821	55.33	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	25550	28.87	ng	-0.01
45) 2-Fluorobiphenyl	13.21	172	345902	74.11	ng	-0.02
79) Terphenyl-d14	19.94	244	448867	81.09	ng	-0.02

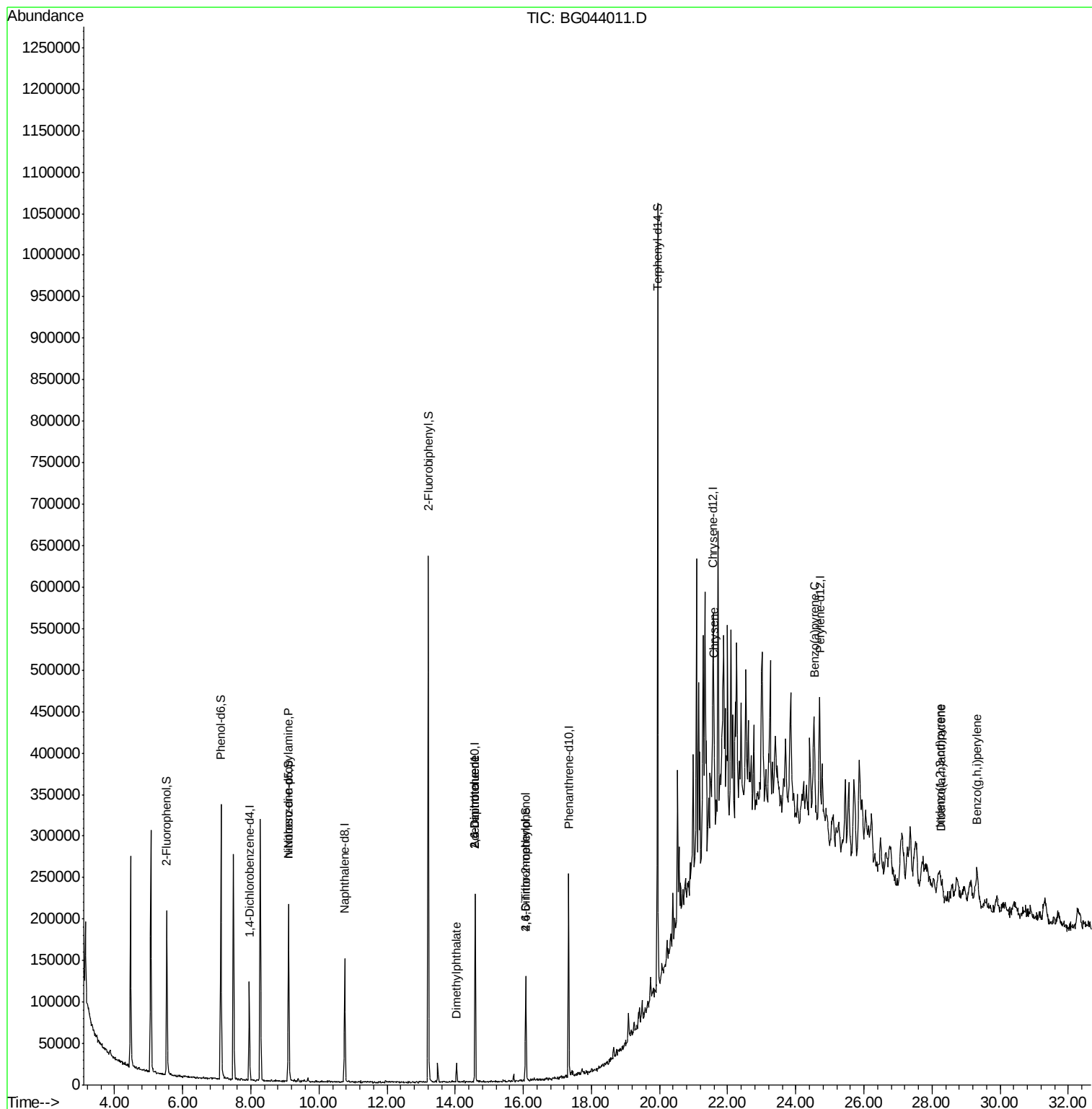
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	9.11	70	18299	9.551	ng	# 77
50) Dimethylphthalate	14.04	163	18495	3.080	ng	# 91
51) 2,6-Dinitrotoluene	14.58	165	10751	7.922	ng	# 24
57) 2,4-Dinitrotoluene	14.58	165	10751	5.822	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.06	198	57	4.452	ng	# 1
83) Chrysene	21.60	228	32714	4.212	ng	# 42
86) Indeno(1,2,3-cd)pyrene	28.24	276	26233	2.485	ng	# 58
90) Benzo(a)pyrene	24.55	252	59820	7.118	ng	# 85
91) Dibenzo(a,h)anthracene	28.26	278	21715	2.573	ng	# 43
92) Benzo(g,h,i)perylene	29.33	276	75455	9.000	ng	93

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

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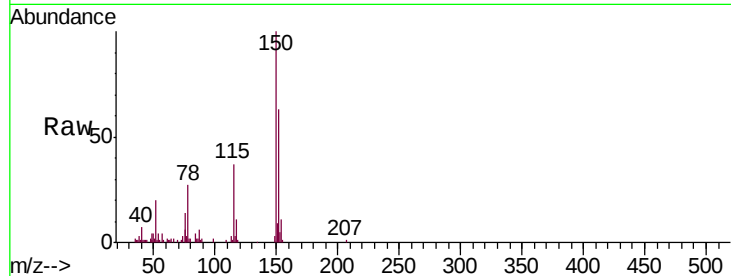


#1

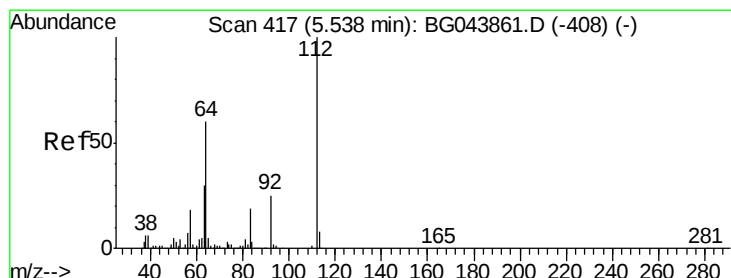
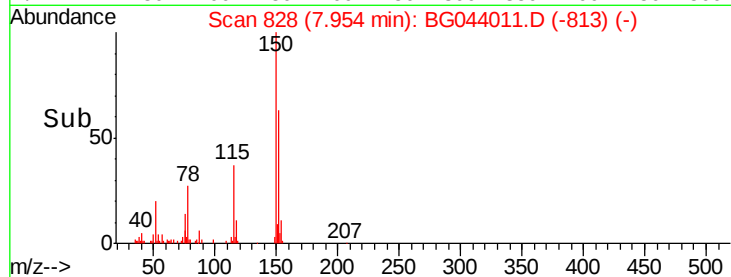
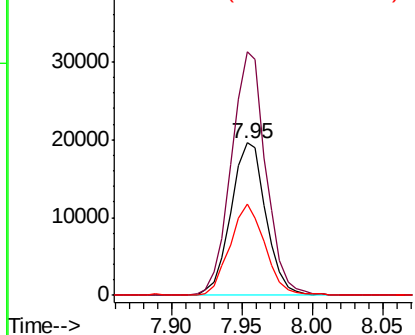
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG044011.D
Acq: 10 Jan 2020 21:17

Instrument :
BNA_G
ClientSampleId :
SIDE-WALK

Tgt Ion:152 Resp: 33794
Ion Ratio Lower Upper
152 100
150 159.8 127.0 190.4
115 59.6 47.8 71.8



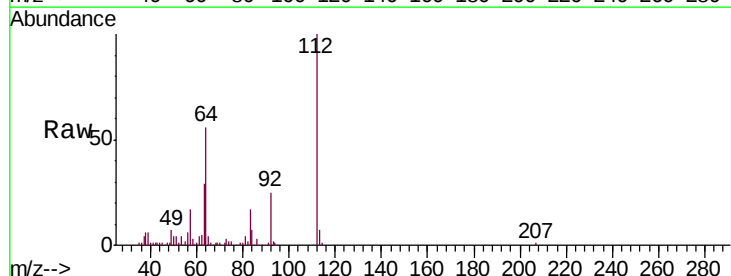
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



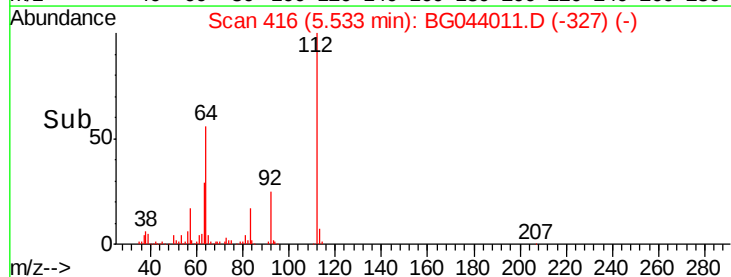
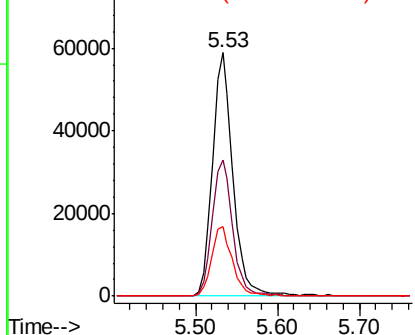
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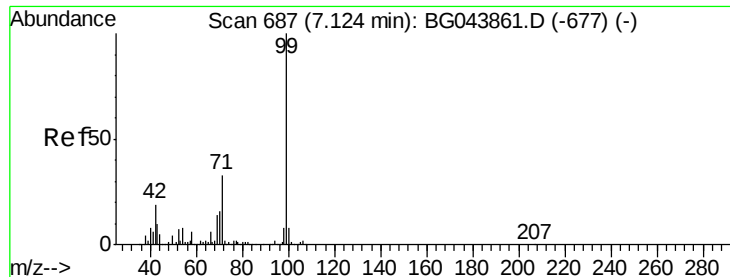
2-Fluorophenol
Concen: 55.727 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG044011.D
Acq: 10 Jan 2020 21:17

Tgt Ion:112 Resp: 102566
Ion Ratio Lower Upper
112 100
64 56.0 47.8 71.6
63 28.7 24.3 36.5



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: 87.475 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

Instrument :

BNA_G

ClientSampleId :

SIDE-WALK

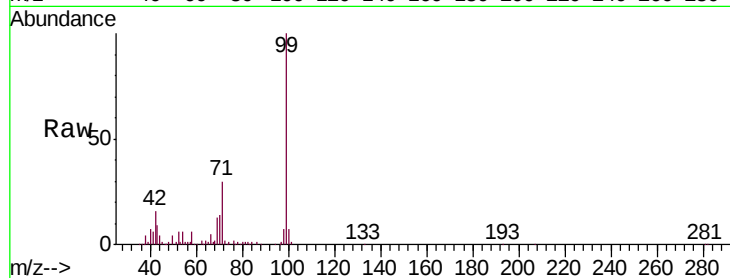
Tgt Ion: 99 Resp: 225047

Ion Ratio Lower Upper

99 100

42 16.4 14.9 22.3

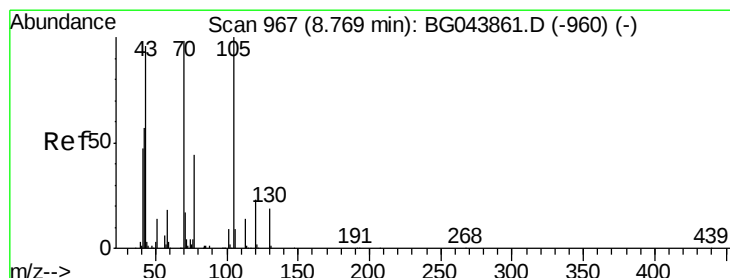
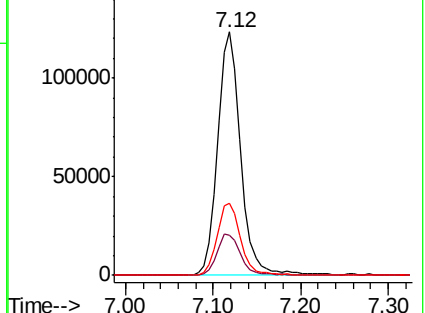
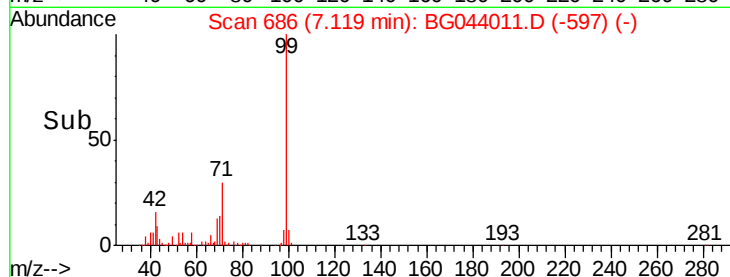
71 29.5 26.4 39.6



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: 9.551 ng

RT: 9.11 min Scan# 1025

Delta R.T. 0.34 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

Tgt Ion: 70 Resp: 18299

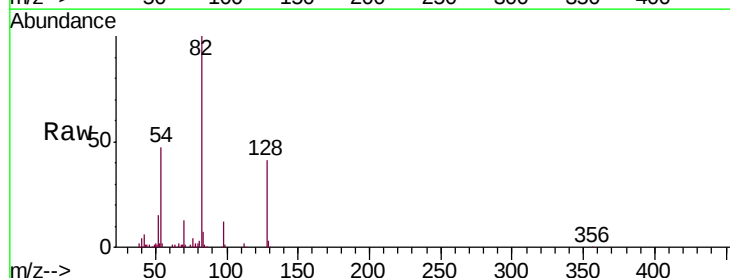
Ion Ratio Lower Upper

70 100

42 44.9 47.0 70.4#

101 0.0 7.2 10.8#

130 3.8 15.6 23.4#

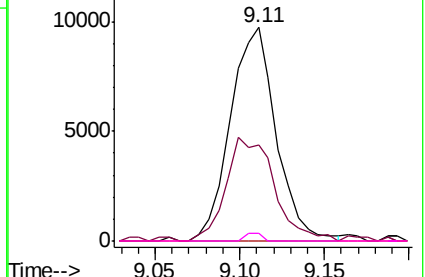
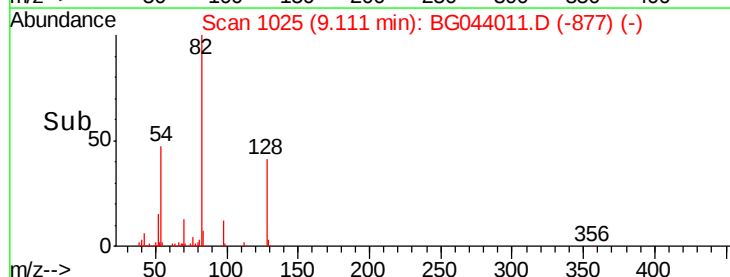


Abundance Ion 70.00 (69.70 to 70.70): BGC

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

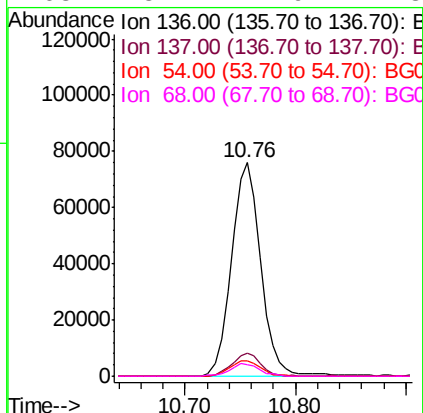
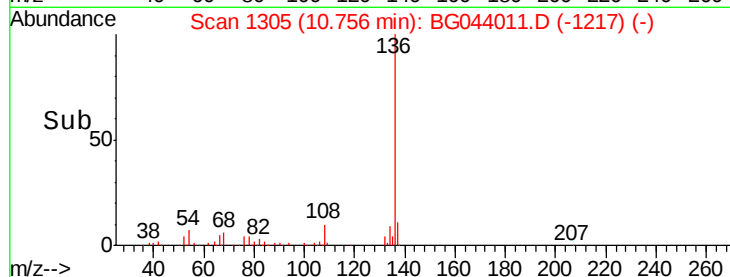
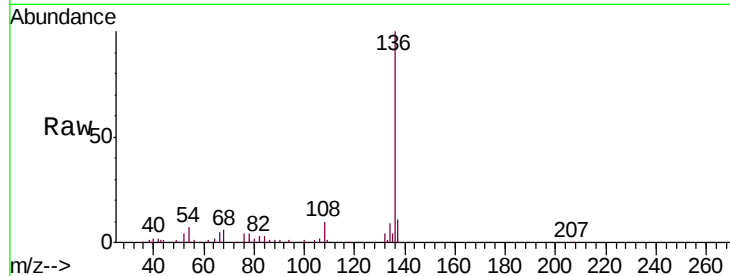




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG044011.D
Acq: 10 Jan 2020 21:17

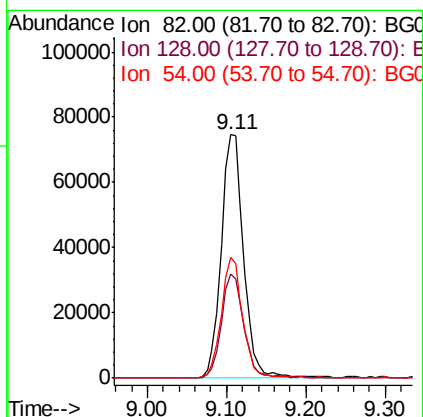
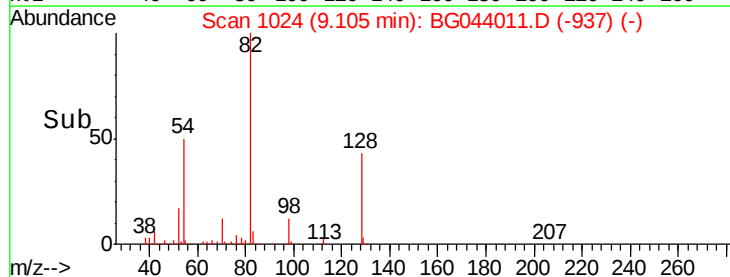
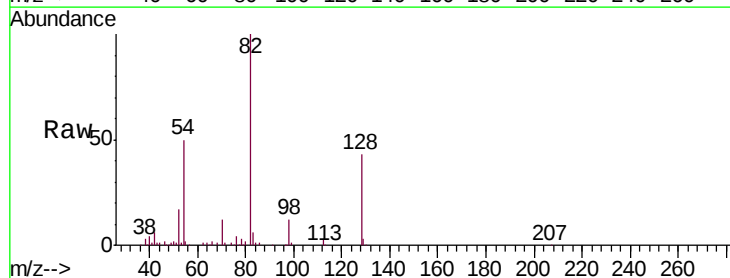
Instrument :
BNA_G
ClientSampleId :
SIDE-WALK

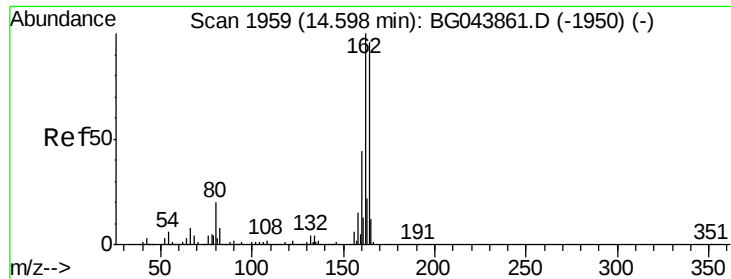
Tgt Ion:	136	Resp:	140995
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	7.0	7.0	10.4
68	5.7	4.9	7.3



#23
Nitrobenzene-d5
Concen: 55.327 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG044011.D
Acq: 10 Jan 2020 21:17

Tgt Ion:	82	Resp:	145821
Ion	Ratio	Lower	Upper
82	100		
128	42.7	35.1	52.7
54	49.8	40.1	60.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

Instrument :

BNA_G

ClientSampleId :

SIDE-WALK

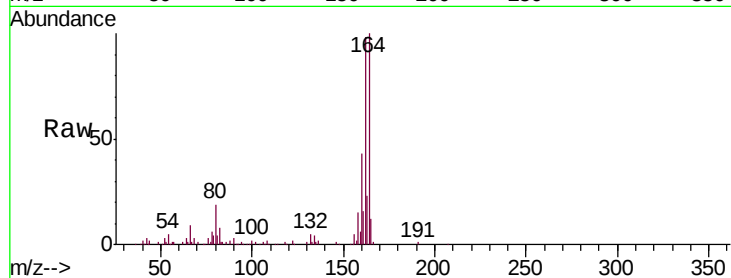
Tgt Ion:164 Resp: 84565

Ion Ratio Lower Upper

164 100

162 98.1 83.0 124.4

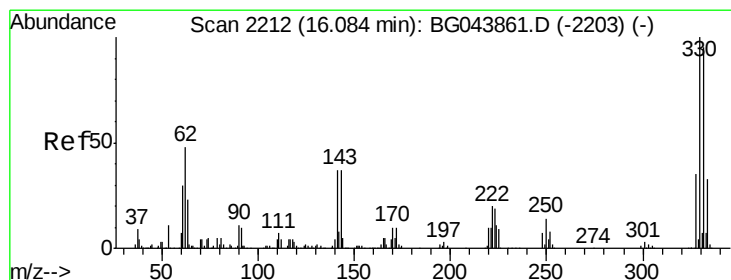
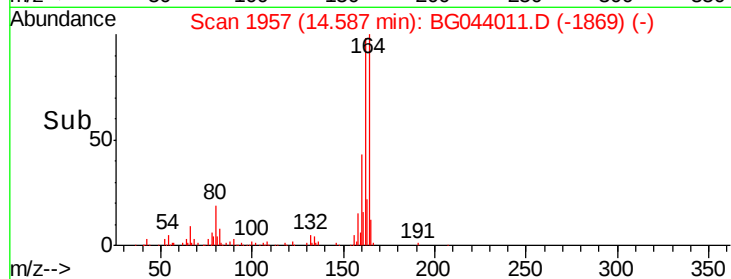
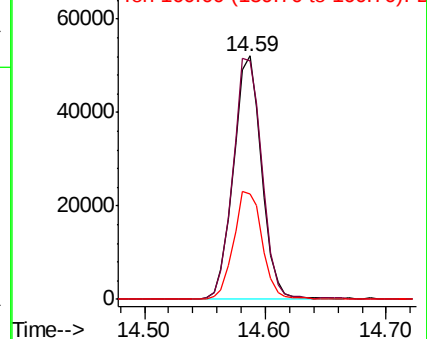
160 43.3 36.1 54.1



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: 28.872 ng

RT: 16.07 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

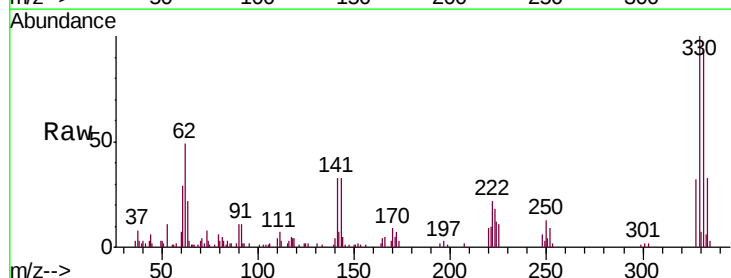
Tgt Ion:330 Resp: 25550

Ion Ratio Lower Upper

330 100

332 93.8 77.2 115.8

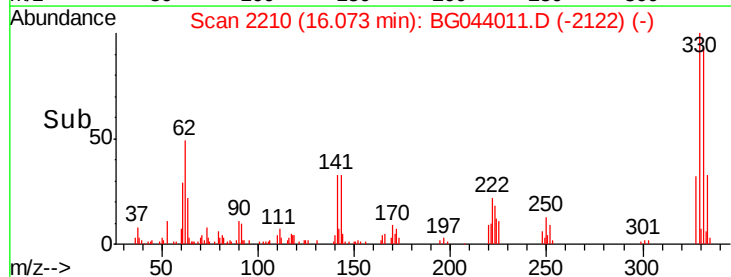
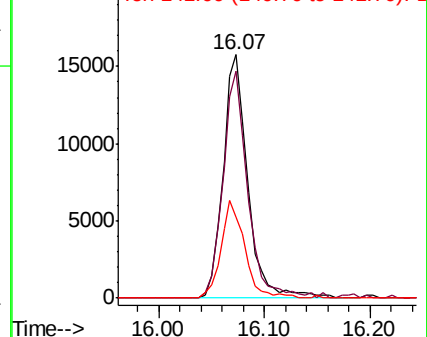
141 38.6 33.1 49.7



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

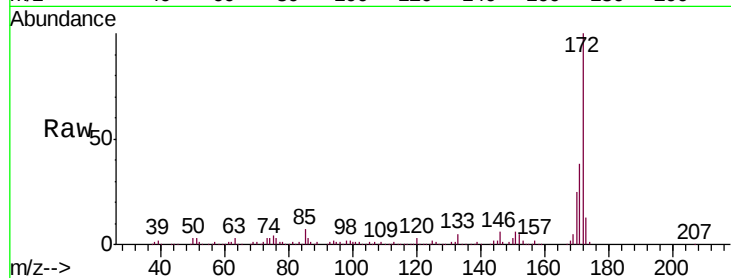




#45
2-Fluorobiphenyl
Concen: 74.108 ng
RT: 13.21 min Scan# 1722
Delta R.T. -0.02 min
Lab File: BG044011.D
Acq: 10 Jan 2020 21:17

Instrument :
BNA_G
ClientSampleId :
SIDE-WALK

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.7	35.8	53.8
170	24.6	24.2	36.4

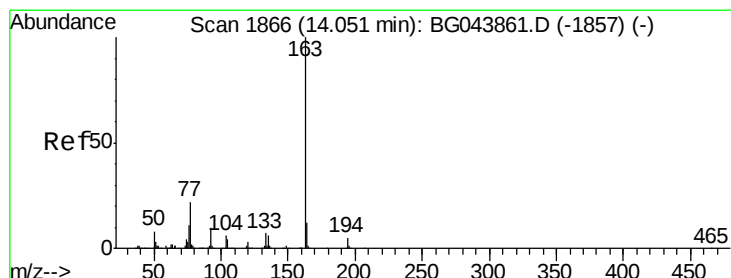
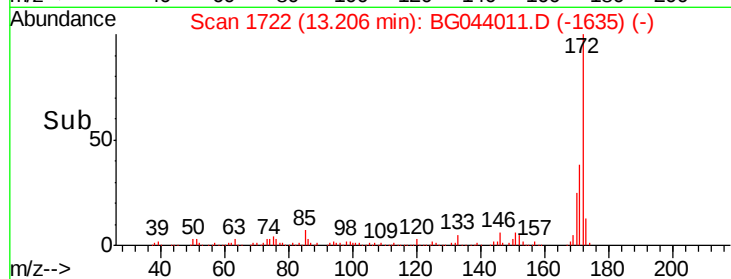
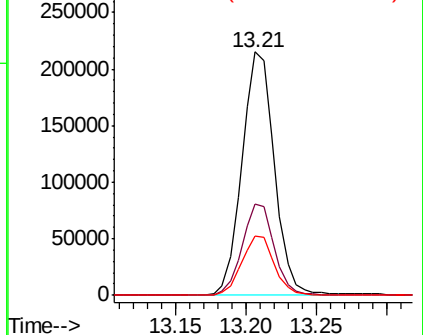


Abundance

Ion 172.00 (171.70 to 172.70): E

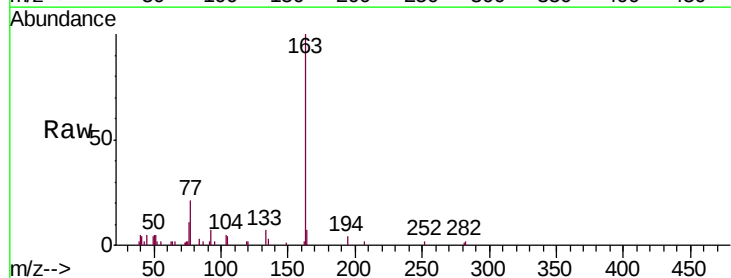
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 3.080 ng
RT: 14.04 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BG044011.D
Acq: 10 Jan 2020 21:17

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.7	5.5
164	7.3	9.3	13.9#

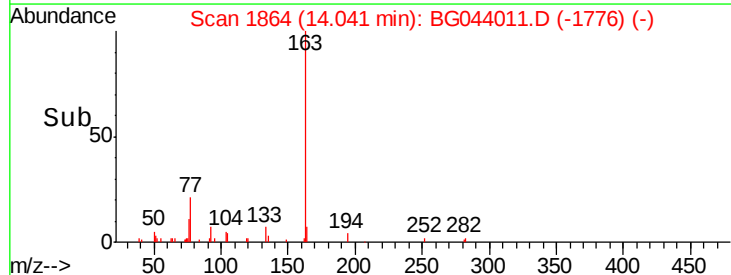
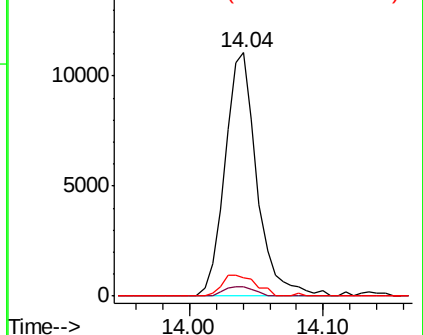


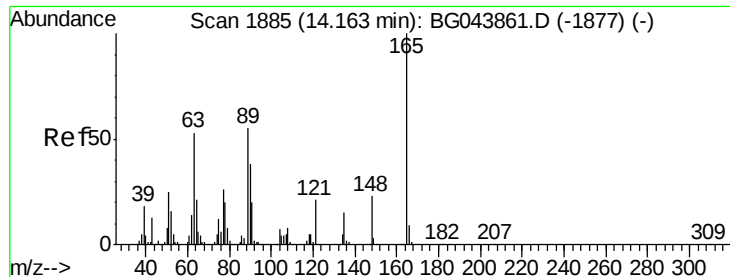
Abundance

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

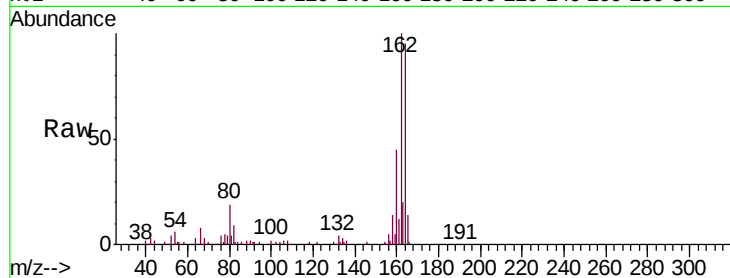




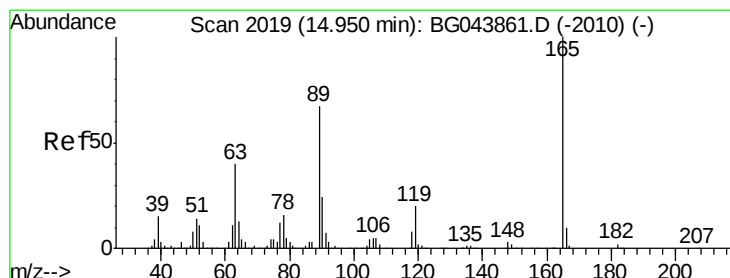
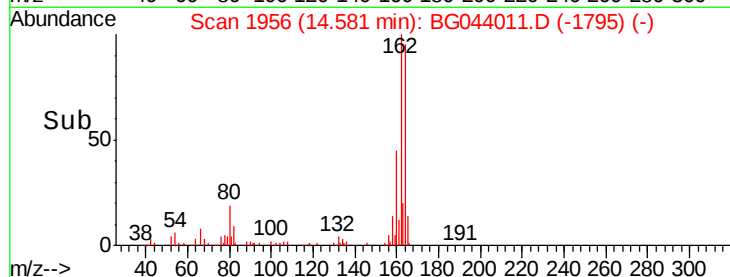
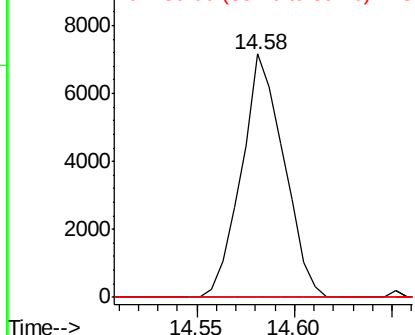
#51
2,6-Dinitrotoluene
Concen: 7.922 ng
RT: 14.58 min Scan# 1956
Delta R.T. 0.42 min
Lab File: BG044011.D
Acq: 10 Jan 2020 21:17

Instrument :
BNA_G
ClientSampleId :
SIDE-WALK

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.1	64.7#
89	0.0	43.8	65.6#

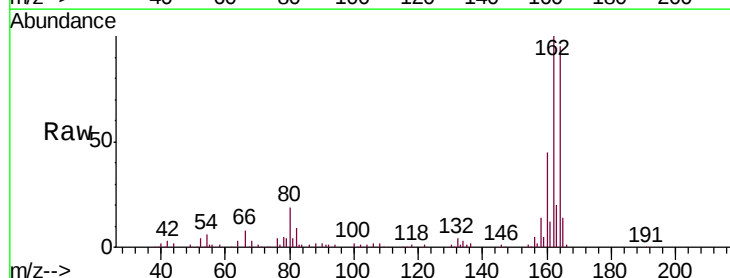


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC

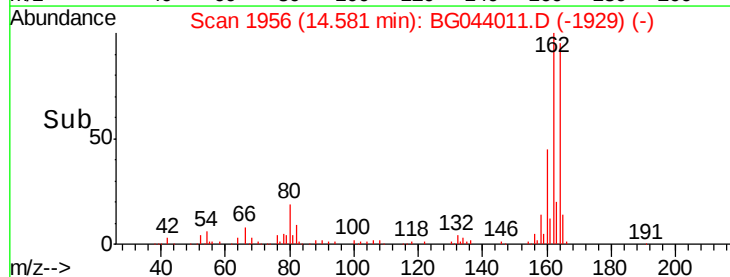
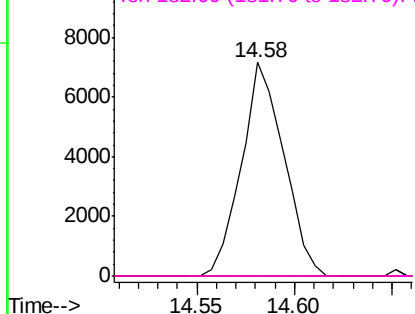


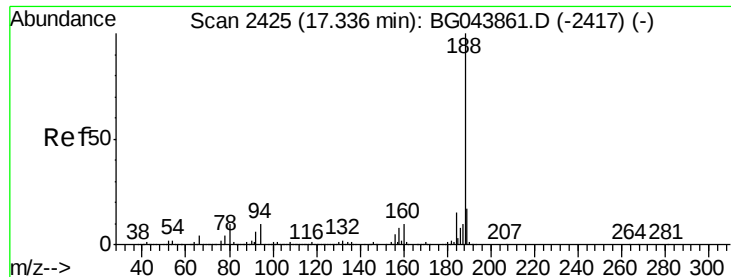
#57
2,4-Dinitrotoluene
Concen: 5.822 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.37 min
Lab File: BG044011.D
Acq: 10 Jan 2020 21:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	31.9	47.9#
89	0.0	53.8	80.6#
182	0.0	2.0	3.0#



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

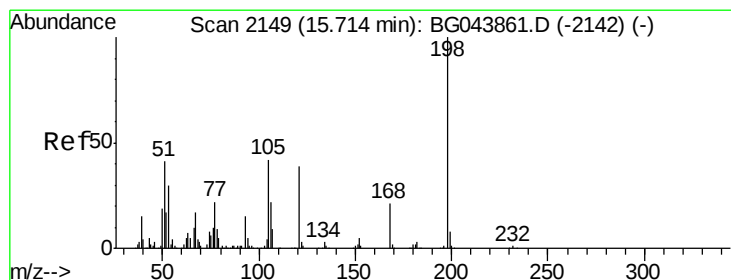
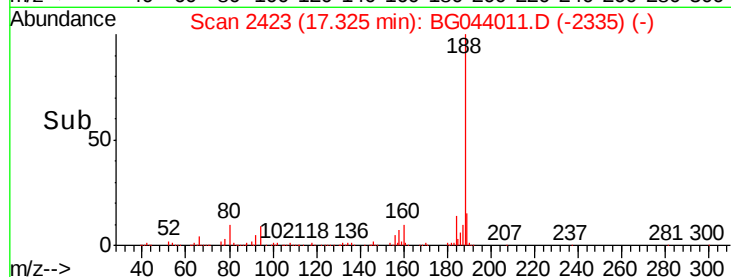
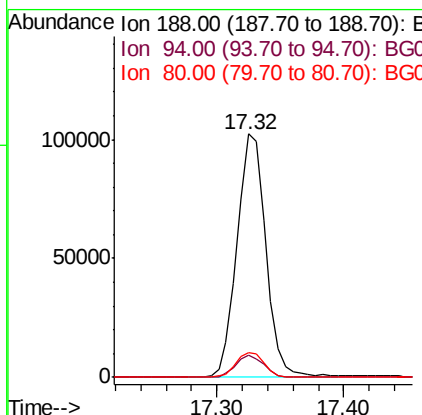
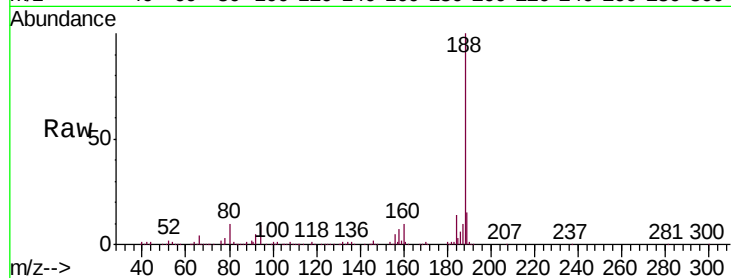




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG044011.D
 Acq: 10 Jan 2020 21:17

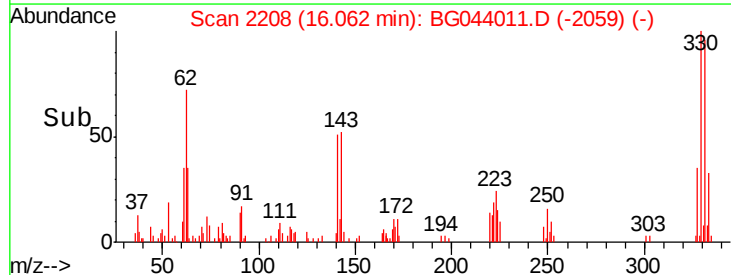
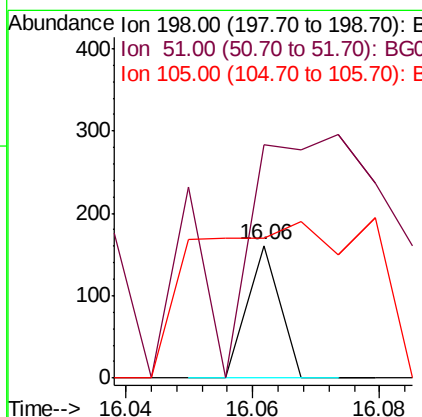
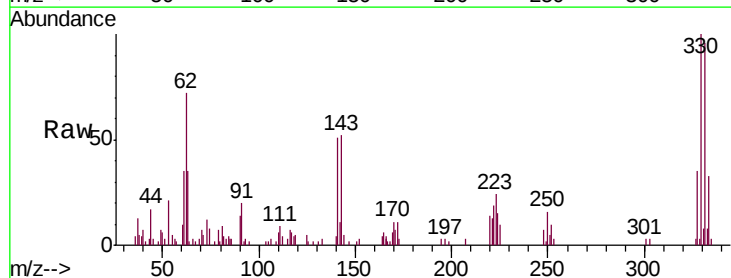
Instrument :
 BNA_G
 ClientSampleId :
 SIDE-WALK

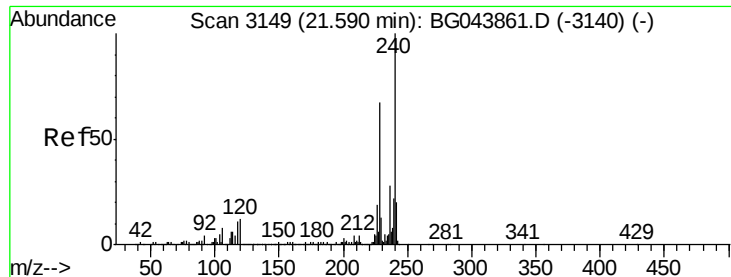
Tgt Ion:	188	Resp:	161311
Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.9	11.9
80	10.2	8.2	12.4



#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.452 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. 0.35 min
 Lab File: BG044011.D
 Acq: 10 Jan 2020 21:17

Tgt Ion:	198	Resp:	57
Ion	Ratio	Lower	Upper
198	100		
51	176.4	22.5	62.5#
105	105.6	22.3	62.3#

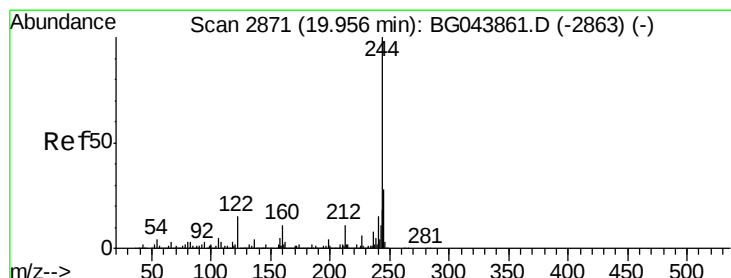
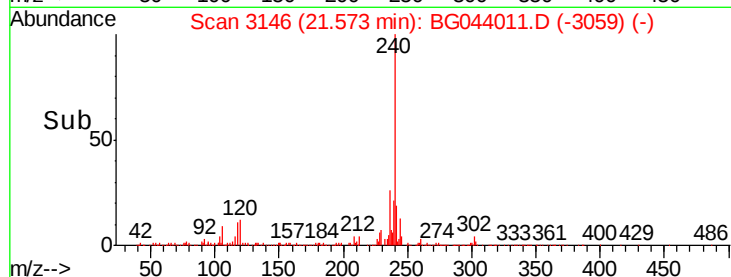
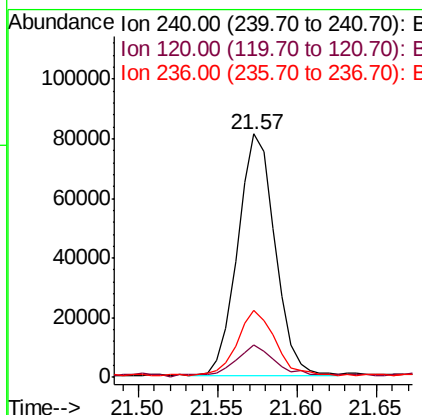
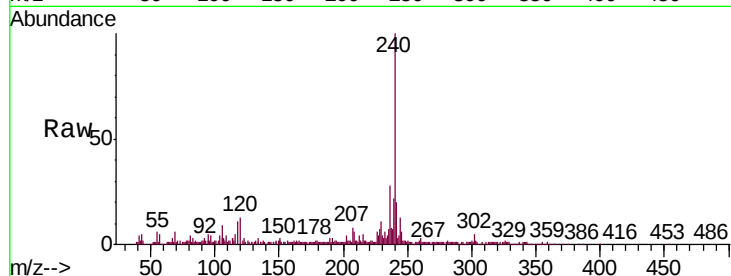




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3146
Delta R.T. -0.02 min
Lab File: BG044011.D
Acq: 10 Jan 2020 21:17

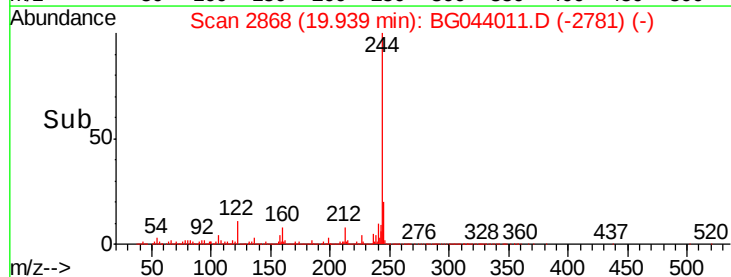
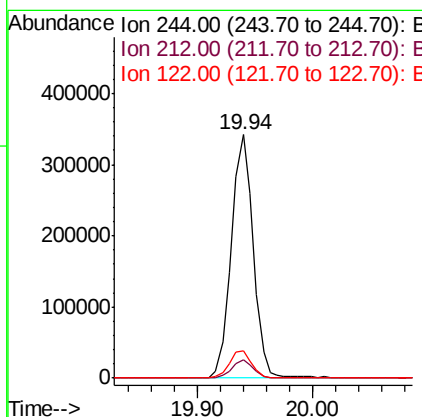
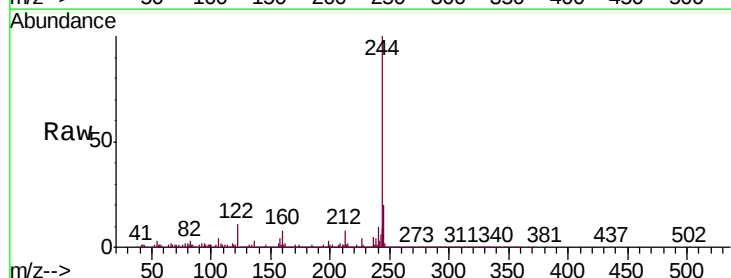
Instrument :
BNA_G
ClientSampleId :
SIDE-WALK

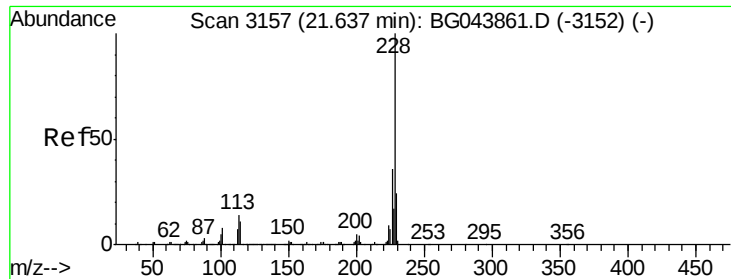
Tgt Ion:240 Resp: 131827
Ion Ratio Lower Upper
240 100
120 13.1 9.6 14.4
236 27.6 22.2 33.2



#79
Terphenyl-d14
Concen: 81.092 ng
RT: 19.94 min Scan# 2868
Delta R.T. -0.02 min
Lab File: BG044011.D
Acq: 10 Jan 2020 21:17

Tgt Ion:244 Resp: 448867
Ion Ratio Lower Upper
244 100
212 7.8 8.6 13.0#
122 11.2 11.9 17.9#





#83

Chrysene

Concen: 4.212 ng

RT: 21.60 min Scan# 3150

Delta R.T. -0.04 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

Instrument :

BNA_G

ClientSampleId :

SIDE-WALK

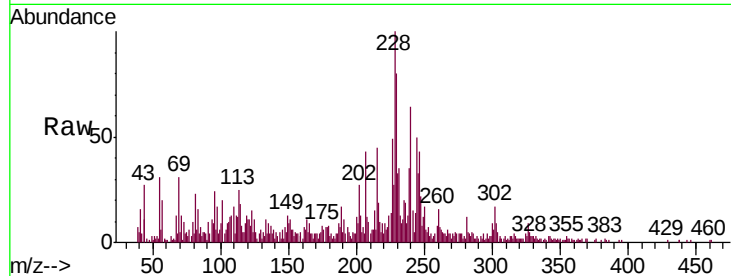
Tgt Ion:228 Resp: 32714

Ion Ratio Lower Upper

228 100

226 49.0 28.8 43.2#

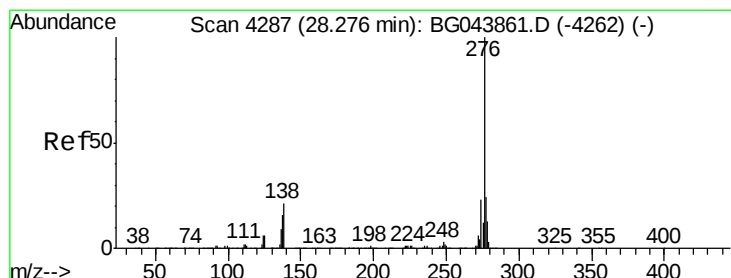
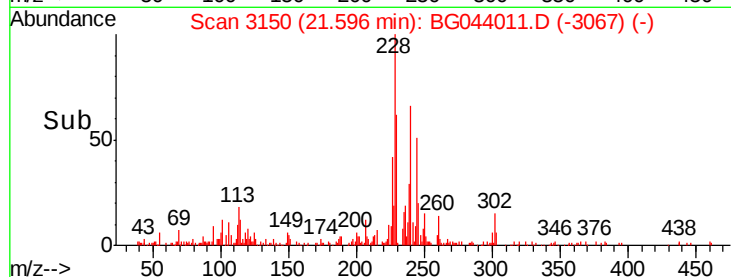
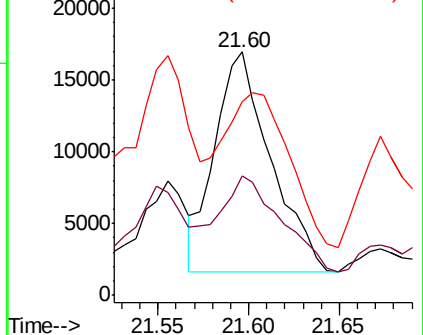
229 79.6 19.0 28.6#



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.485 ng

RT: 28.24 min Scan# 4280

Delta R.T. -0.04 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

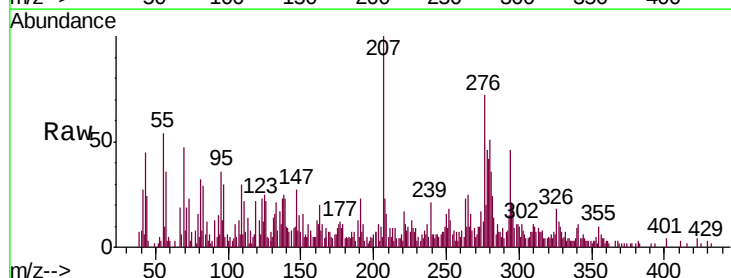
Tgt Ion:276 Resp: 26233

Ion Ratio Lower Upper

276 100

138 0.0 21.0 31.4#

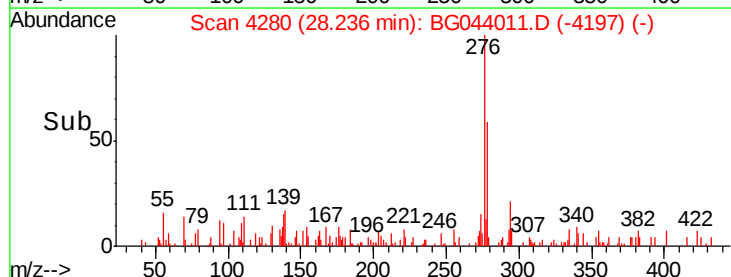
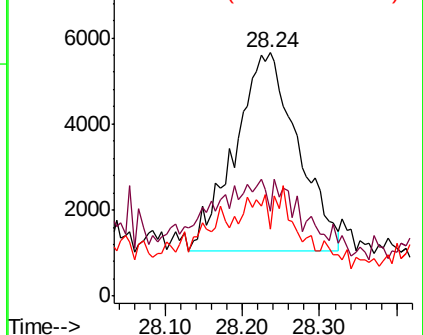
277 9.8 21.1 31.7#

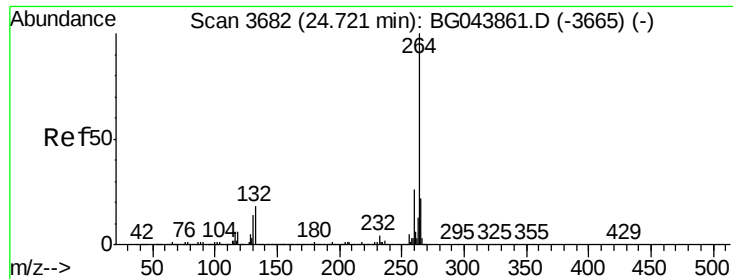


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3678

Delta R.T. -0.02 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

Instrument :

BNA_G

ClientSampleId :

SIDE-WALK

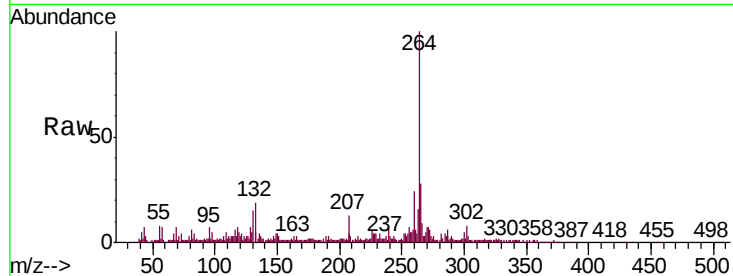
Tgt Ion:264 Resp: 150620

Ion Ratio Lower Upper

264 100

260 24.2 20.4 30.6

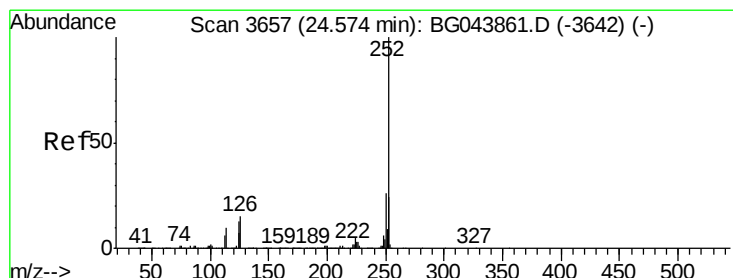
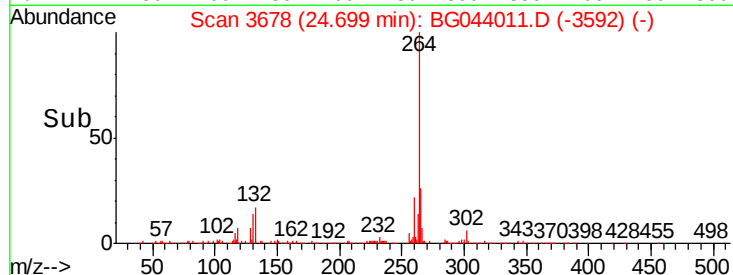
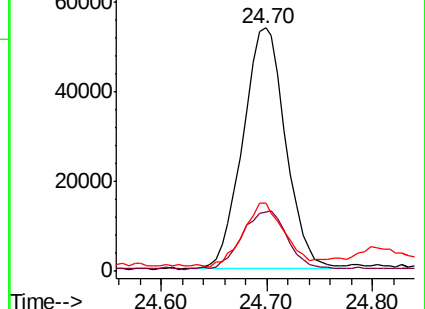
265 28.0 17.4 26.2#



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



#90

Benzo(a)pyrene

Concen: 7.118 ng

RT: 24.55 min Scan# 3652

Delta R.T. -0.03 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

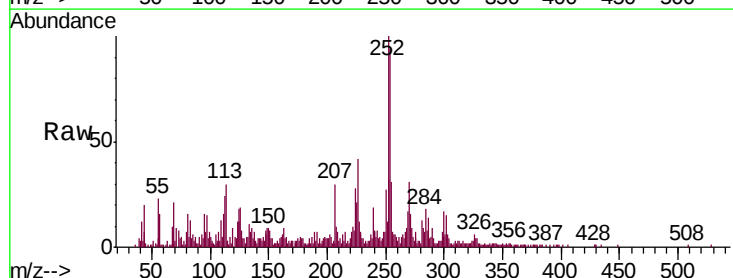
Tgt Ion:252 Resp: 59820

Ion Ratio Lower Upper

252 100

253 32.3 19.3 28.9#

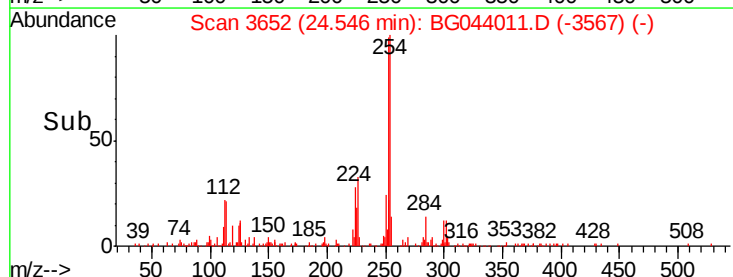
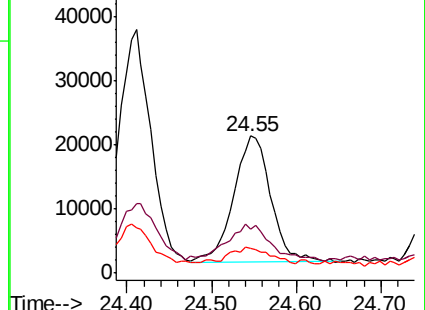
125 18.0 10.4 15.6#

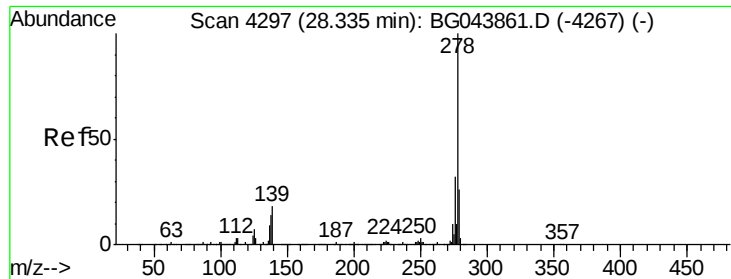


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 2.573 ng

RT: 28.26 min Scan# 4284

Delta R.T. -0.08 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

Instrument :

BNA_G

ClientSampleId :

SIDE-WALK

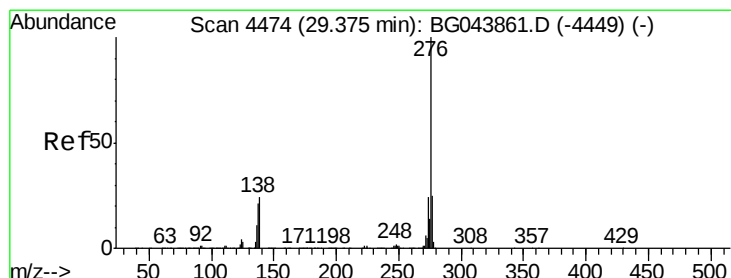
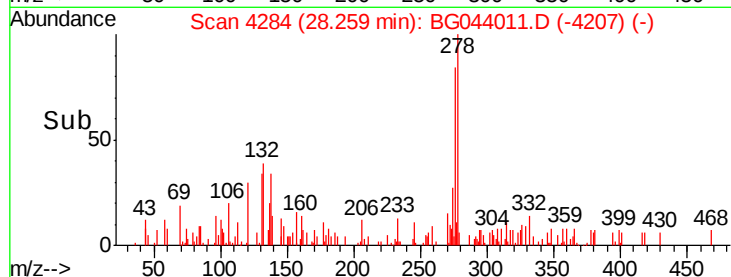
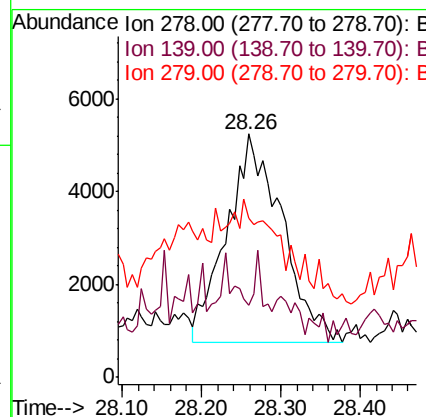
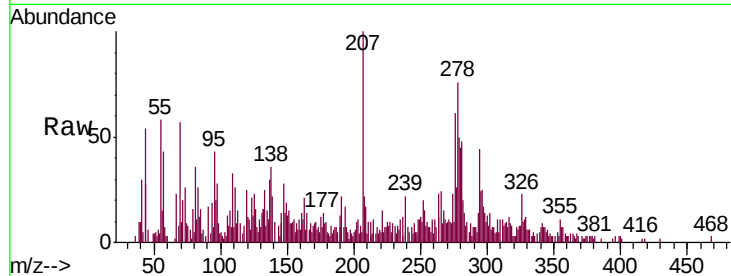
Tgt Ion: 278 Resp: 21715

Ion Ratio Lower Upper

278 100

139 29.4 14.2 21.4#

279 65.3 20.6 30.8#



#92

Benzo(g,h,i)perylene

Concen: 9.000 ng

RT: 29.33 min Scan# 4466

Delta R.T. -0.05 min

Lab File: BG044011.D

Acq: 10 Jan 2020 21:17

Tgt Ion: 276 Resp: 75455

Ion Ratio Lower Upper

276 100

277 29.8 20.2 30.4

138 26.1 19.0 28.6

