

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101819\
 Data File : BG043281.D
 Acq On : 18 Oct 2019 18:44
 Operator : JU
 Sample : K5406-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-16

Quant Time: Oct 19 00:34:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	45243	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	171956	20.00	ng	-0.02
39) Acenaphthene-d10	14.66	164	128160	20.00	ng	-0.02
64) Phenanthrene-d10	17.41	188	286494	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	318277	20.00	ng	-0.01
87) Perylene-d12	24.89	264	380252	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	80273	31.66	ng	-0.02
7) Phenol-d6	7.21	99	75105	20.57	ng	-0.02
23) Nitrobenzene-d5	9.20	82	251041	70.96	ng	-0.02
42) 2,4,6-Tribromophenol	16.15	330	124558	56.52	ng	-0.02
45) 2-Fluorobiphenyl	13.29	172	648470	73.35	ng	-0.02
79) Terphenyl-d14	20.02	244	1278993	85.63	ng	0.00

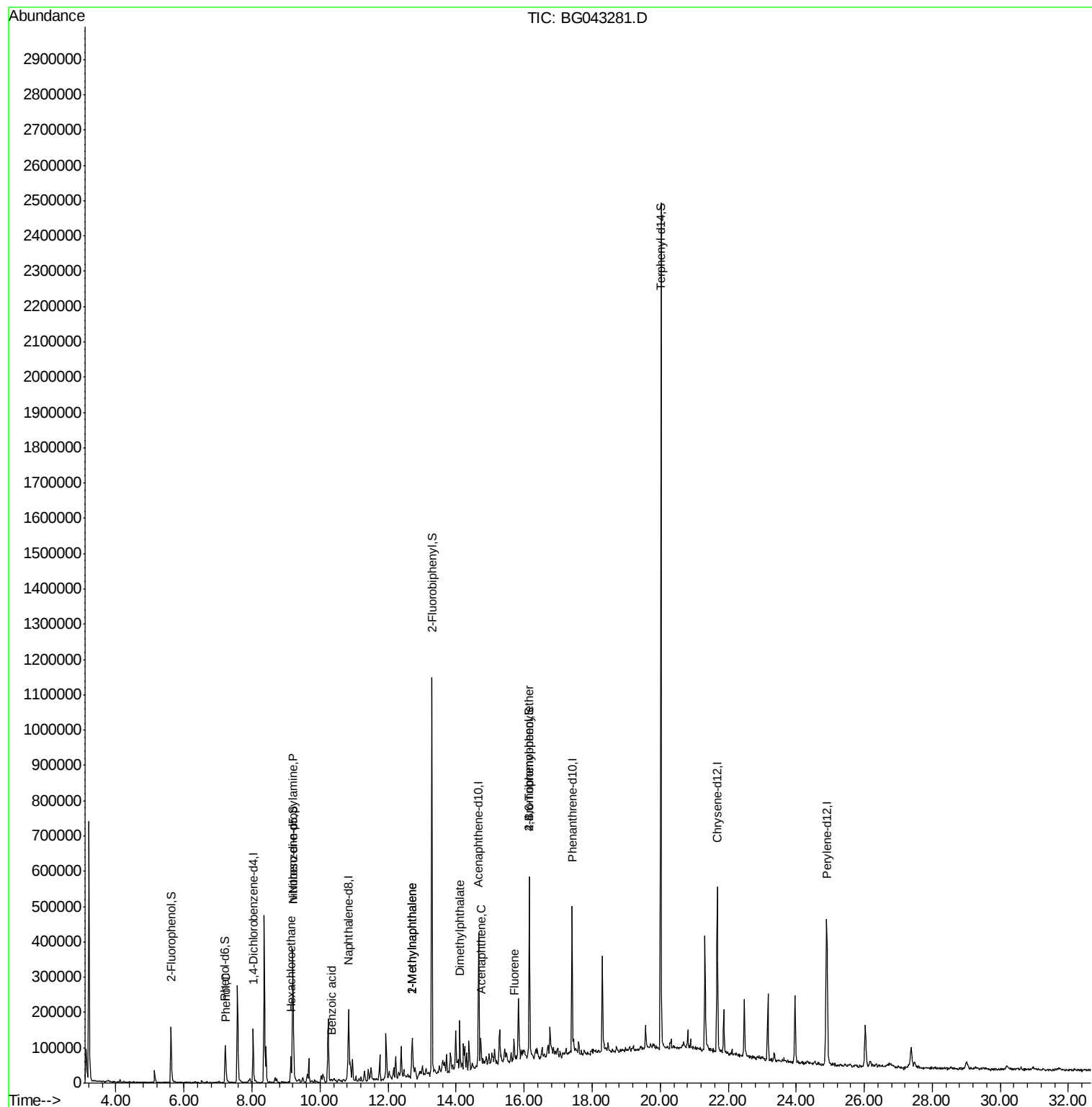
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.24	94	10096	3.014	ng	82
18) Hexachloroethane	9.15	117	16454	12.994	ng	# 7
19) n-Nitroso-di-n-propylamine	9.20	70	34871	14.547	ng	# 70
32) Benzoic acid	10.33	122	55	2.833	ng	# 37
37) 2-Methylnaphthalene	12.71	142	52692	8.160	ng	84
38) 1-Methylnaphthalene	12.71	142	52692	8.623	ng	91
50) Dimethylphthalate	14.11	163	92606	9.644	ng	97
52) Acenaphthene	14.72	154	29715	3.982	ng	98
58) Fluorene	15.71	166	19817	2.102	ng	88
67) 4-Bromophenyl-phenylether	16.15	248	7667	2.132	ng	# 1

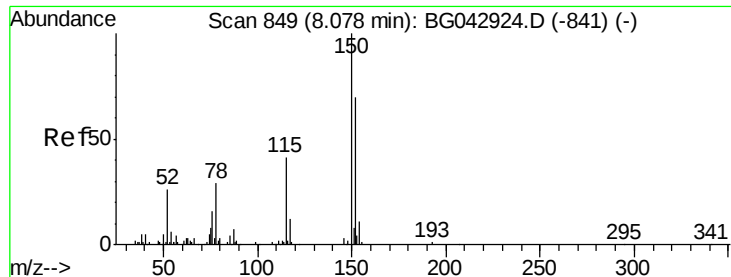
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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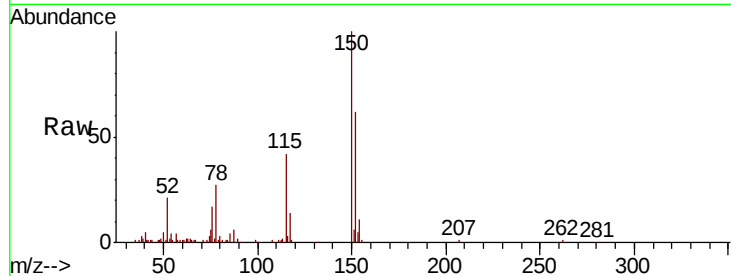


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.03 min Scan# 842
Delta R.T. -0.02 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Instrument :
BNA_G
ClientSampleId :
MW-16

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	115.0	172.4
115	67.2	47.0	70.6

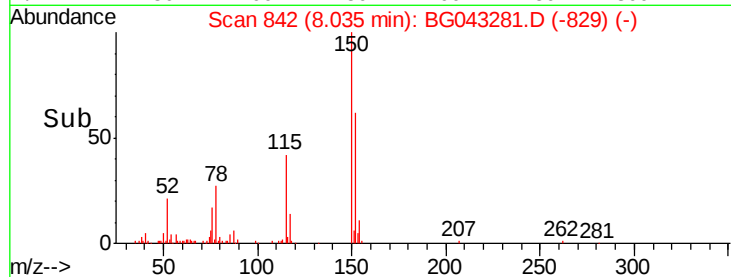
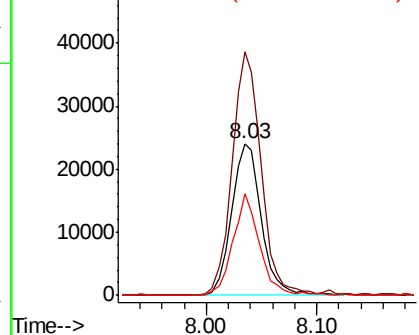


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

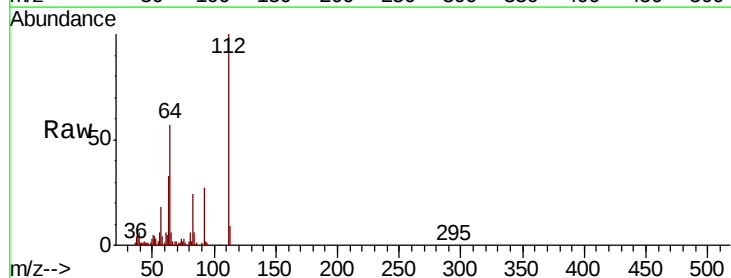
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 31.664 ng
RT: 5.62 min Scan# 431
Delta R.T. -0.02 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	56.6	84.8
63	32.7	35.1	52.7#

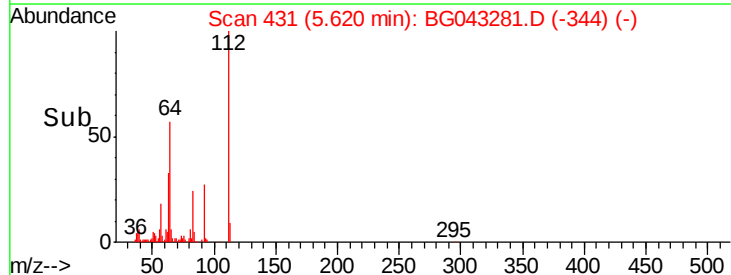
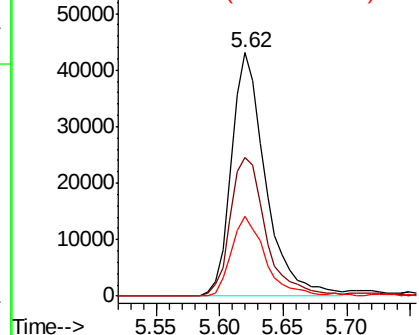


Abundance

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: 20.572 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.02 min

Lab File: BG043281.D

Acq: 18 Oct 2019 18:44

Instrument :

BNA_G

ClientSampleId :

MW-16

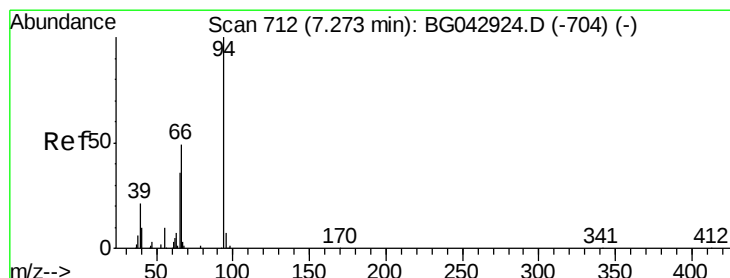
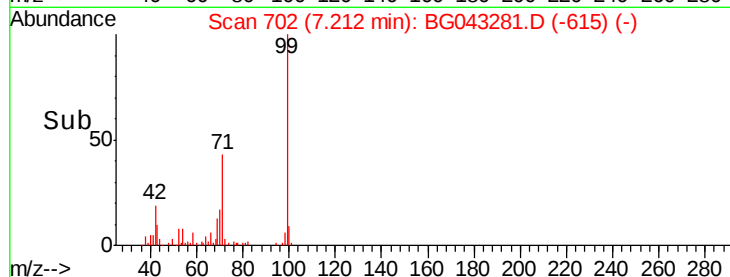
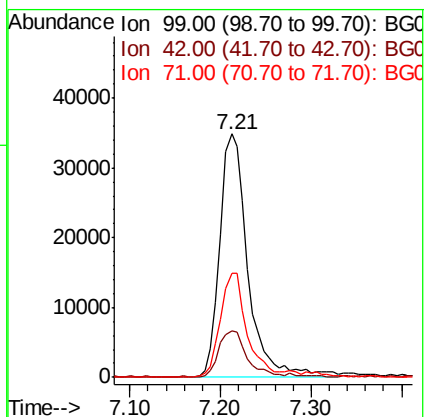
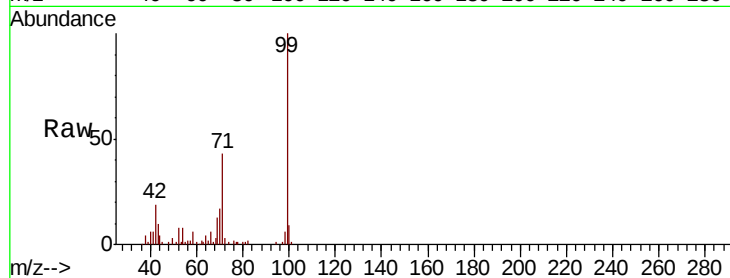
Tot Ion: 99 Resp: 75105

Ion Ratio Lower Upper

99 100

42 19.3 17.2 25.8

71 42.9 33.1 49.7



#10

Phenol

Concen: 3.014 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.01 min

Lab File: BG043281.D

Acq: 18 Oct 2019 18:44

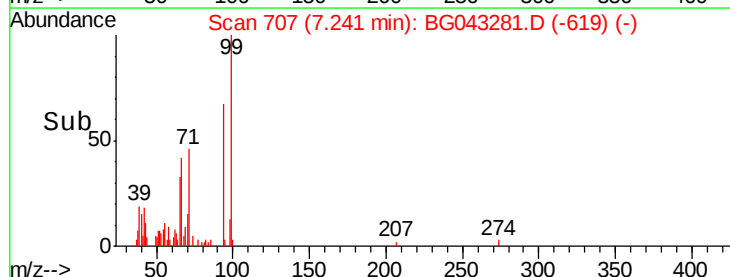
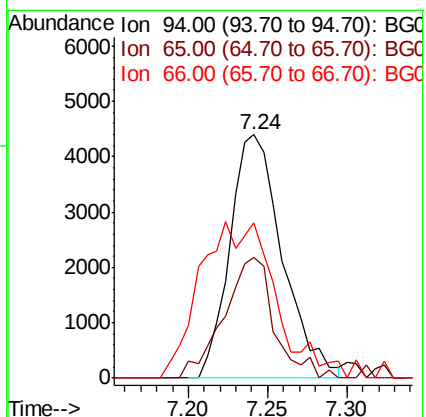
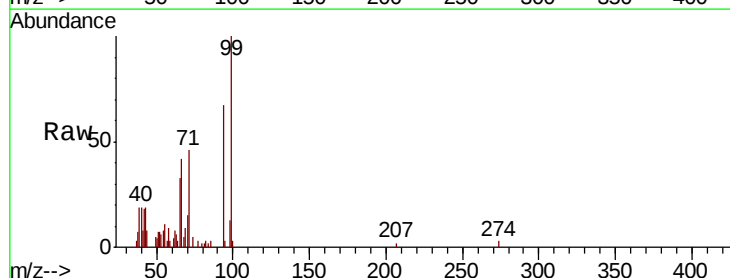
Tgt Ion: 94 Resp: 10096

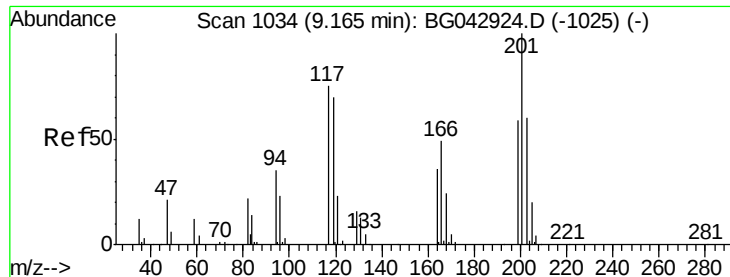
Ion Ratio Lower Upper

94 100

65 49.7 16.6 56.6

66 63.6 32.4 72.4

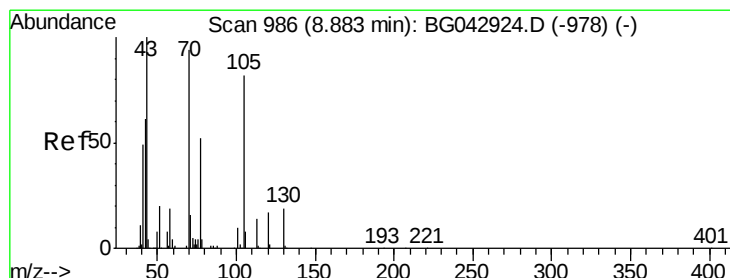
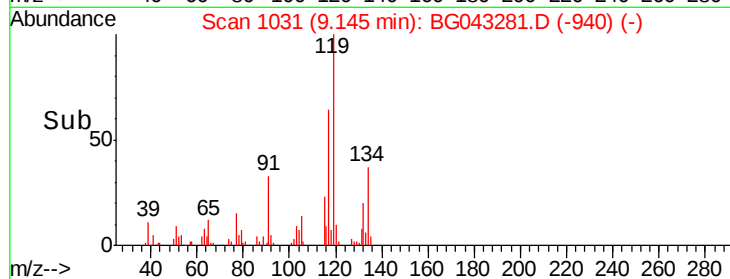
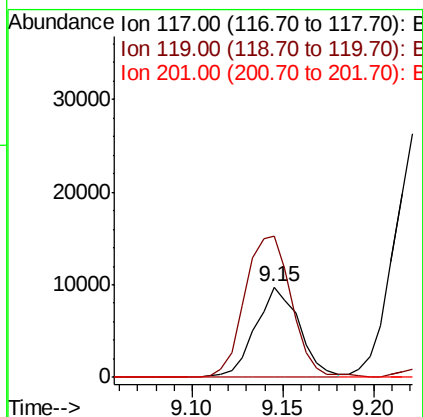
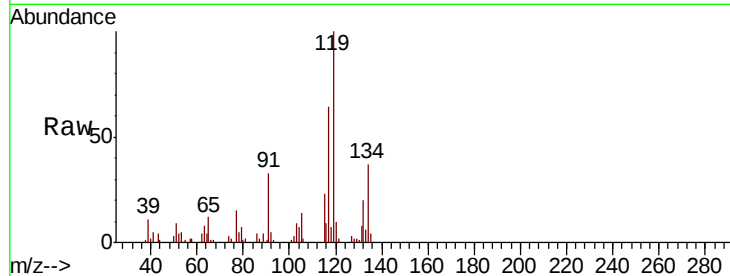




#18
Hexachloroethane
Concen: 12.994 ng
RT: 9.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

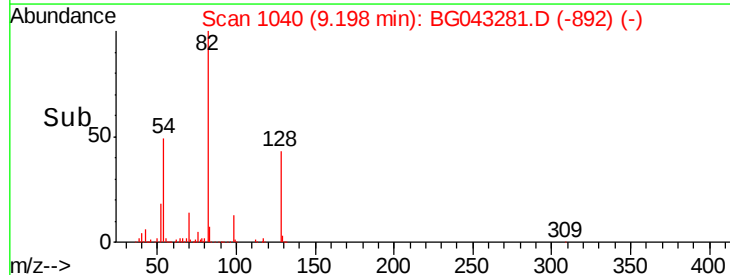
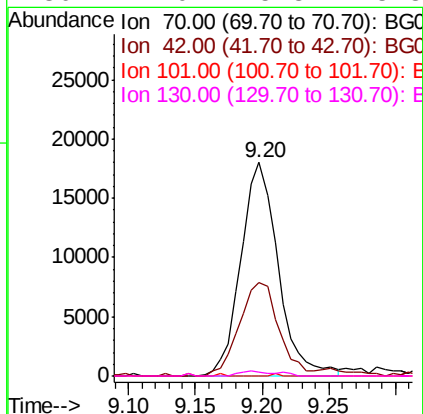
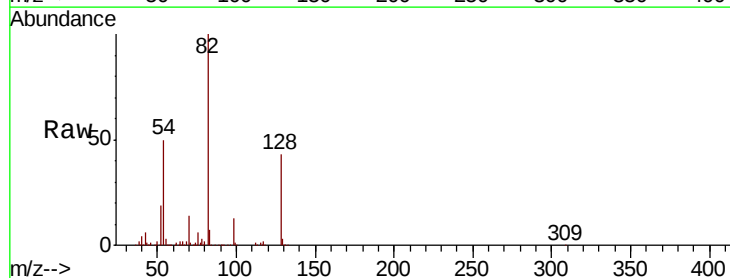
Instrument :
BNA_G
ClientSampleId :
MW-16

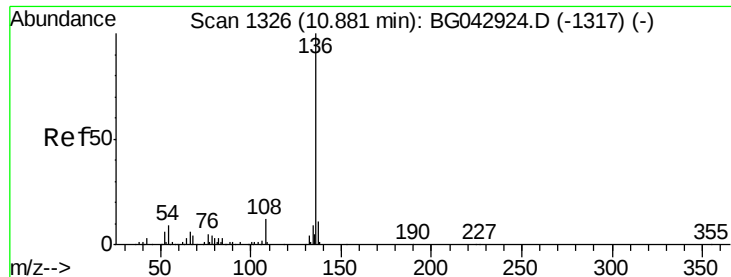
Tot Ion:117 Resp: 16454
Ion Ratio Lower Upper
117 100
119 156.4 74.6 111.8#
201 0.0 106.0 159.0#



#19
n-Nitroso-di-n-propylamine
Concen: 14.547 ng
RT: 9.20 min Scan# 1040
Delta R.T. 0.34 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Tgt Ion: 70 Resp: 34871
Ion Ratio Lower Upper
70 100
42 43.9 52.6 79.0#
101 0.0 8.7 13.1#
130 2.0 15.8 23.8#

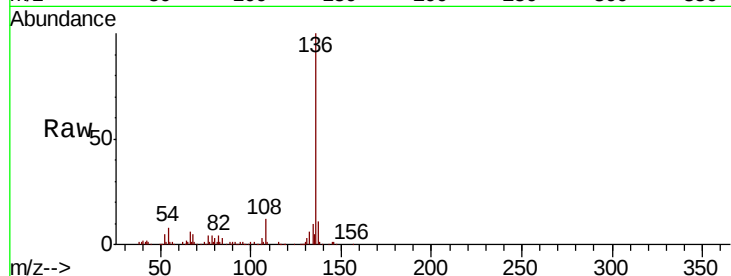




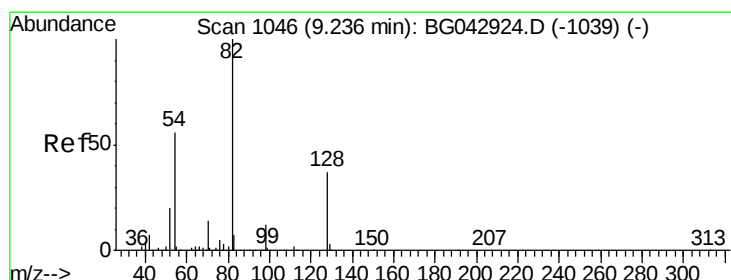
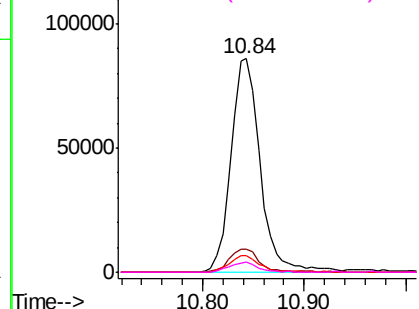
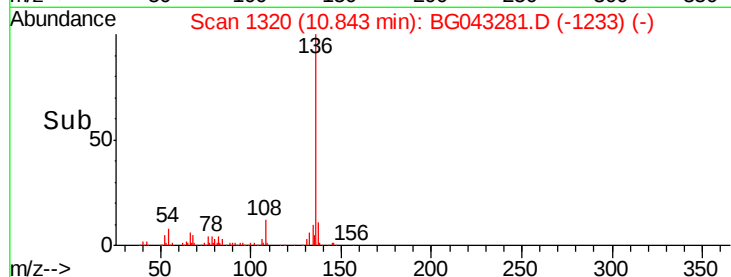
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Instrument :
BNA_G
ClientSampleId :
MW-16

Tot Ion:136	Resp:	171956
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.5 12.7
54	7.7	7.4 11.2
68	4.9	3.6 5.4

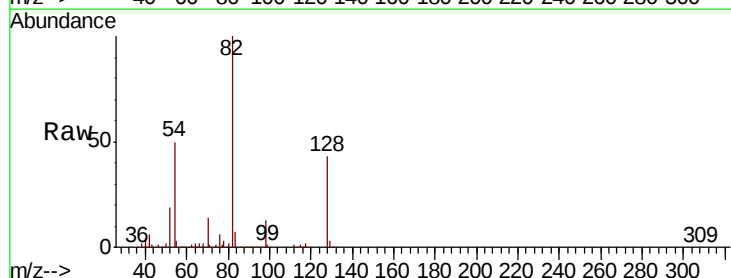


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

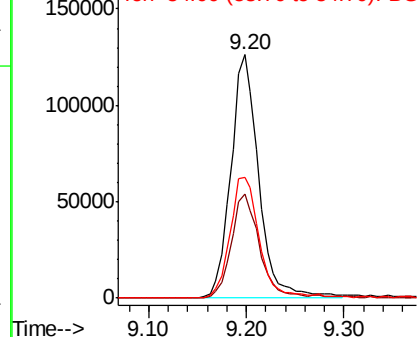
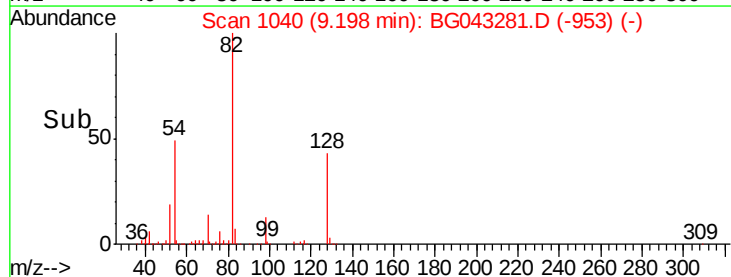


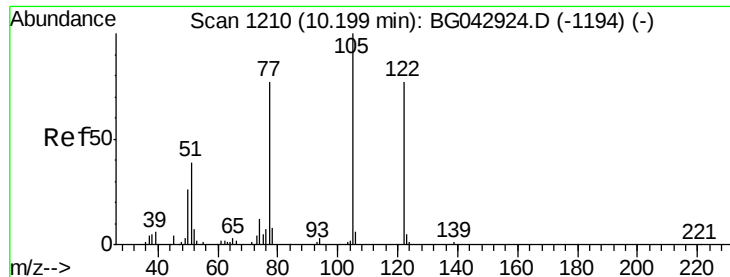
#23
Nitrobenzene-d5
Concen: 70.959 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Tgt Ion: 82	Resp:	251041
Ion Ratio	Lower	Upper
82	100	
128	42.7	29.5 44.3
54	49.6	44.6 67.0



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

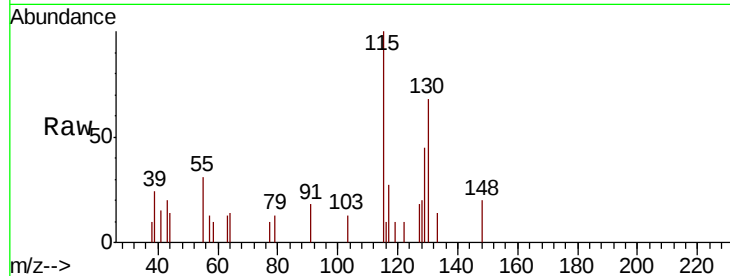




#32
Benzoic acid
Concen: 2.833 ng
RT: 10.33 min Scan# 1233
Delta R.T. 0.16 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Instrument :
BNA_G
ClientSampleId :
MW-16

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.5	147.5#
77	98.7	79.8	119.8

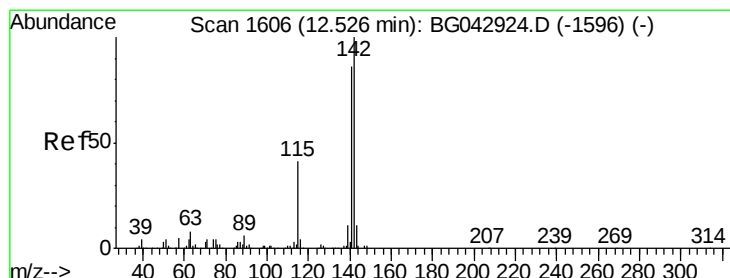
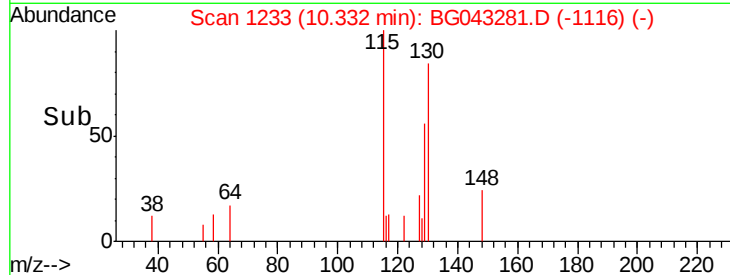
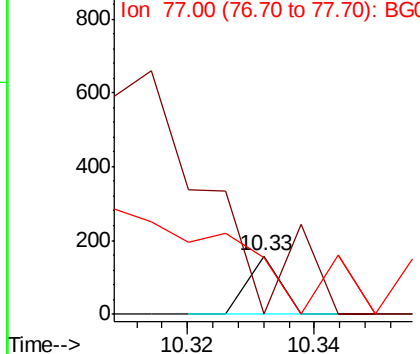


Abundance

Ion 122.00 (121.70 to 122.70): E

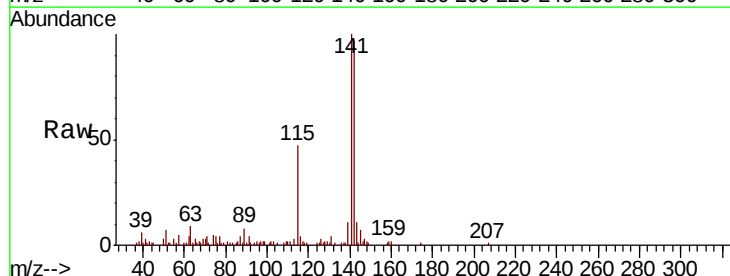
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BG



#37
2-Methylnaphthalene
Concen: 8.160 ng
RT: 12.71 min Scan# 1638
Delta R.T. 0.20 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	102.7	69.0	103.4
115	48.6	32.8	49.2

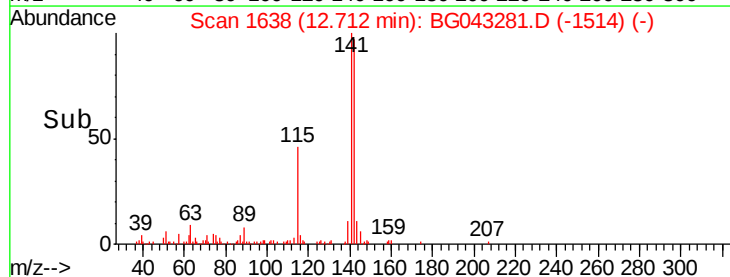
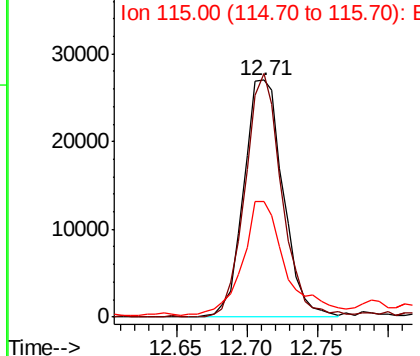


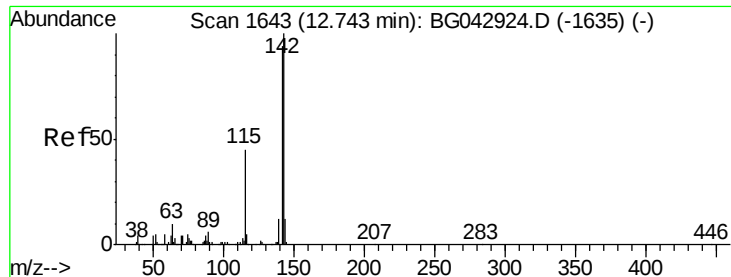
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

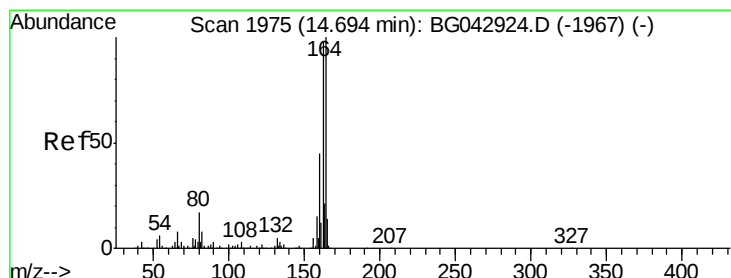
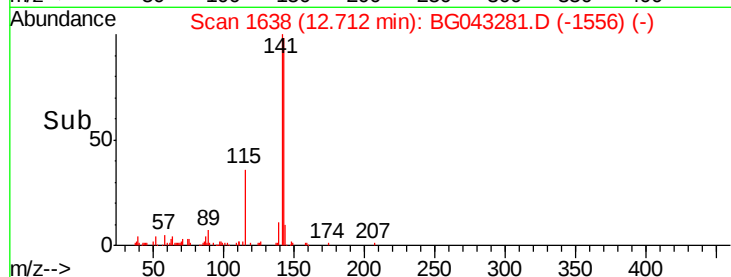
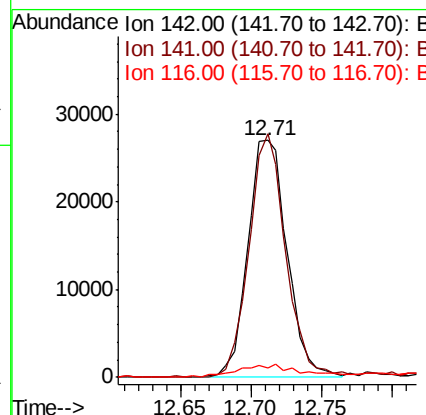
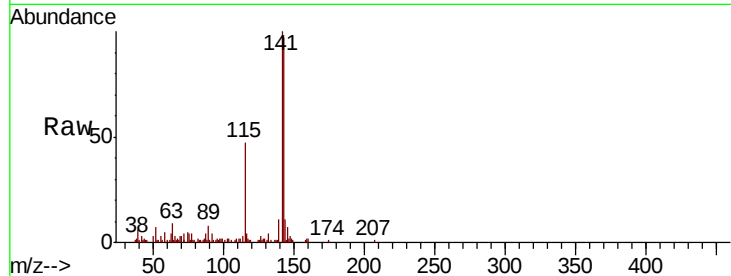




#38
 1-Methylnaphthalene
 Concen: 8.623 ng
 RT: 12.71 min Scan# 1638
 Delta R.T. -0.02 min
 Lab File: BG043281.D
 Acq: 18 Oct 2019 18:44

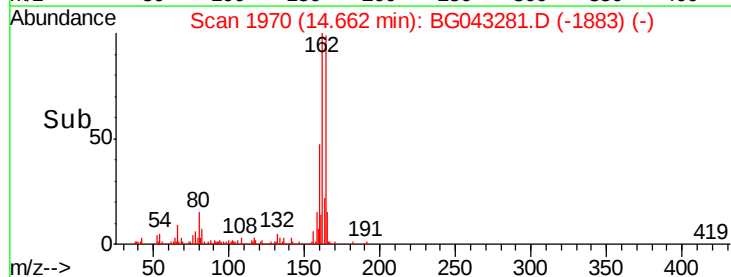
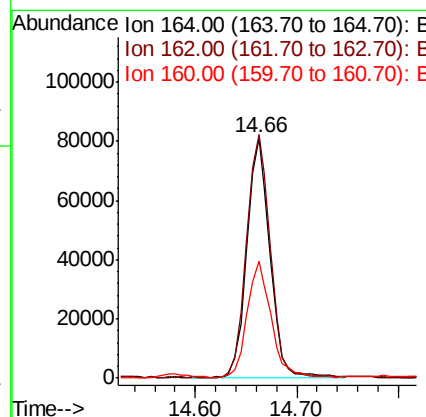
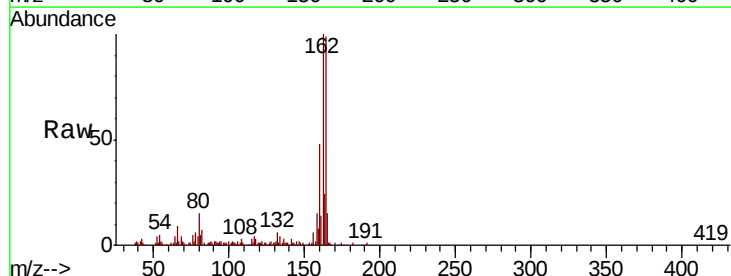
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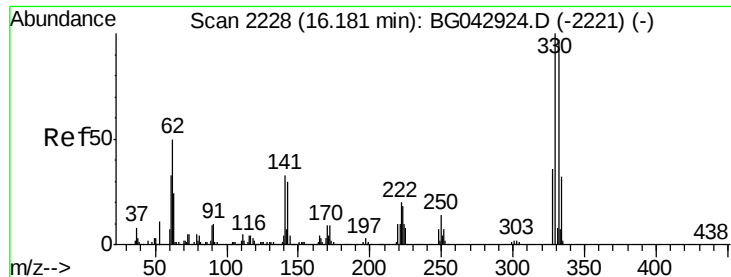
Tot Ion:142 Resp: 52692
 Ion Ratio Lower Upper
 142 100
 141 102.7 74.9 112.3
 116 4.0 3.7 5.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1970
 Delta R.T. -0.02 min
 Lab File: BG043281.D
 Acq: 18 Oct 2019 18:44

Tgt Ion:164 Resp: 128160
 Ion Ratio Lower Upper
 164 100
 162 101.4 78.5 117.7
 160 48.6 35.9 53.9

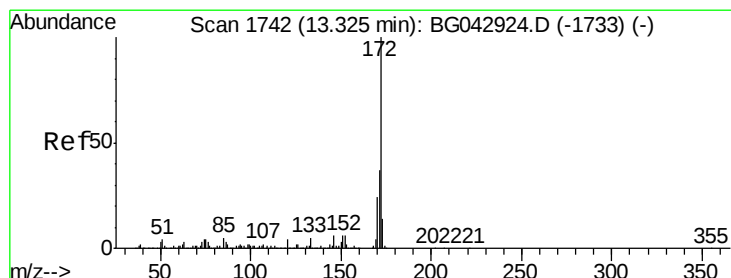
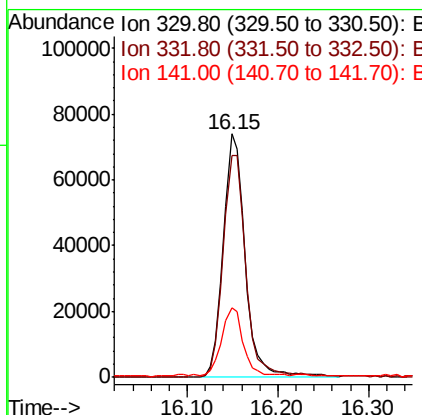
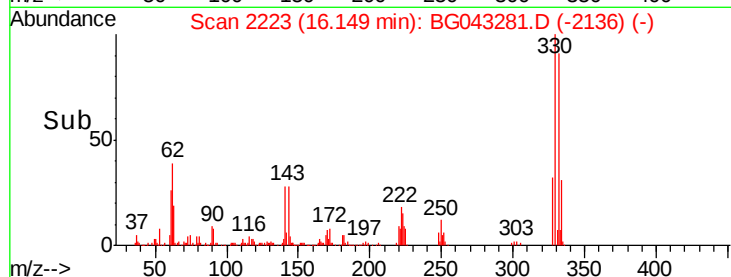
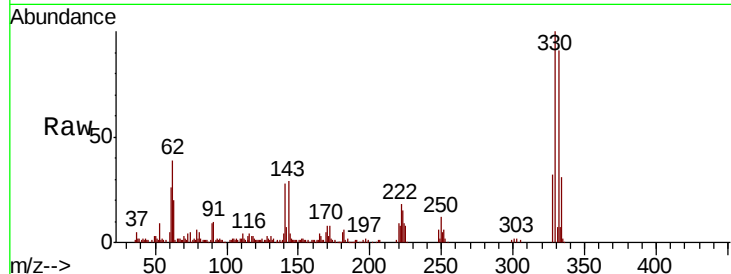




#42
2,4,6-Tribromophenol
Concen: 56.520 ng
RT: 16.15 min Scan# 2223
Delta R.T. -0.02 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

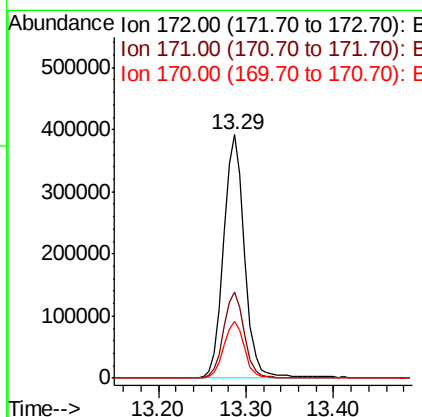
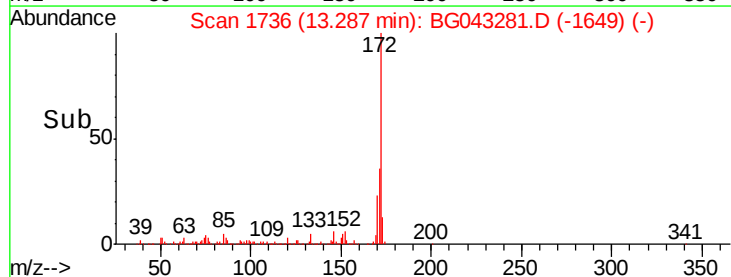
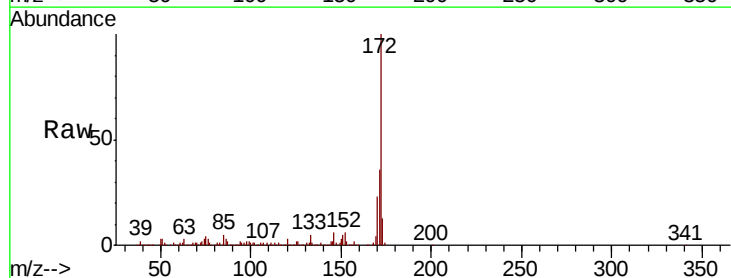
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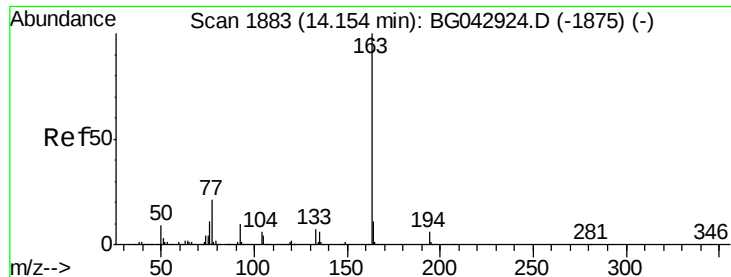
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	78.2	117.2
141	27.4	26.0	39.0



#45
2-Fluorobiphenyl
Concen: 73.353 ng
RT: 13.29 min Scan# 1736
Delta R.T. -0.02 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.1	19.6	29.4

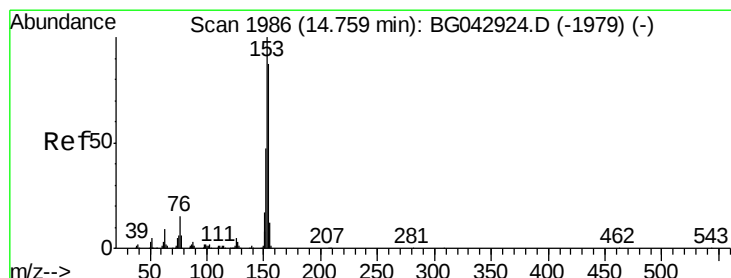
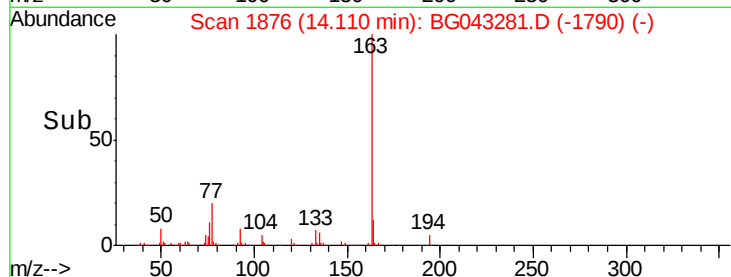
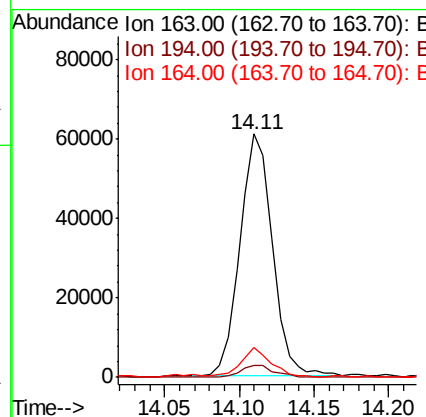
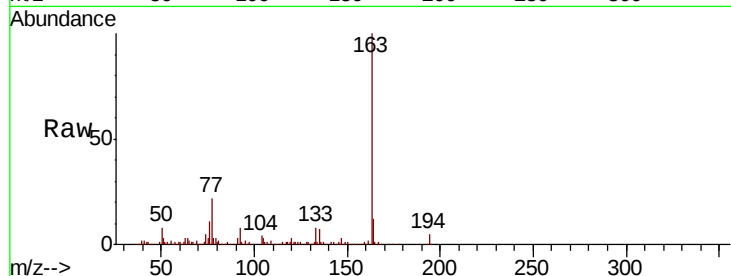




#50
Dimethylphthalate
Concen: 9.644 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.02 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

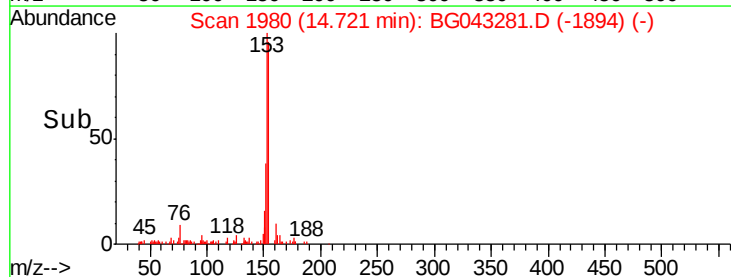
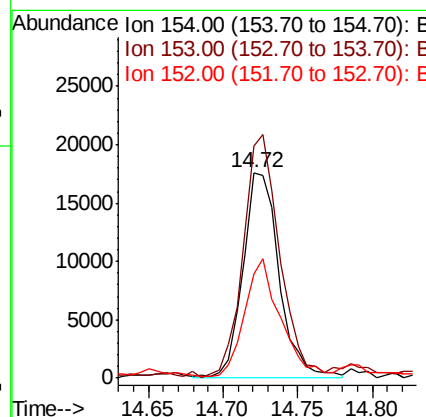
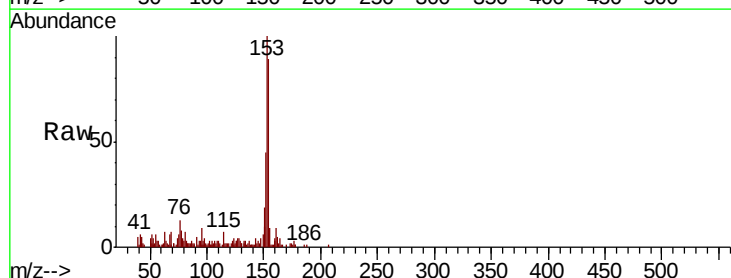
Instrument :
BNA_G
ClientSampleId :
MW-16

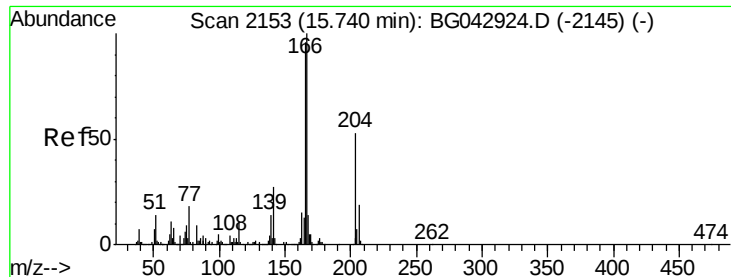
Tot Ion	163	Resp	92606
Ion Ratio	Lower	Upper	
163	100		
194	5.0	4.4	6.6
164	12.3	8.6	12.8



#52
Acenaphthene
Concen: 3.982 ng
RT: 14.72 min Scan# 1980
Delta R.T. -0.02 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Tgt Ion	154	Resp	29715
Ion Ratio	Lower	Upper	
154	100		
153	112.8	91.4	137.0
152	50.7	42.8	64.2





#58

Fluorene

Concen: 2.102 ng

RT: 15.71 min Scan# 2149

Delta R.T. -0.01 min

Lab File: BG043281.D

Acq: 18 Oct 2019 18:44

Instrument :

BNA_G

ClientSampleId :

MW-16

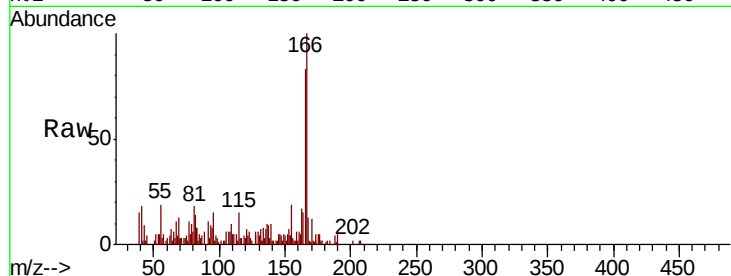
Tot Ion:166 Resp: 19817

Ion Ratio Lower Upper

166 100

165 83.5 77.1 115.7

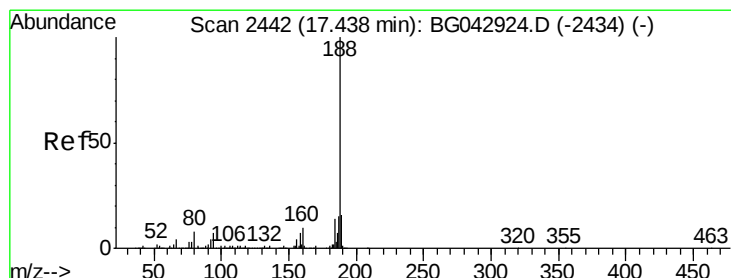
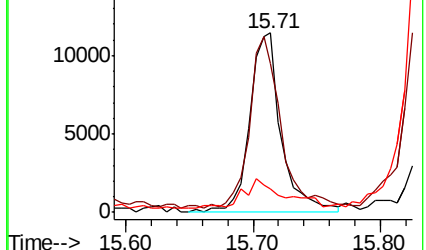
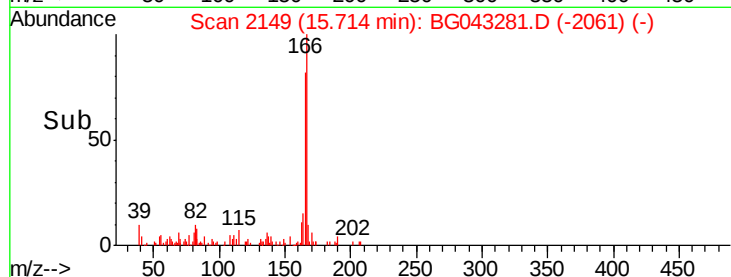
167 12.8 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG043281.D

Acq: 18 Oct 2019 18:44

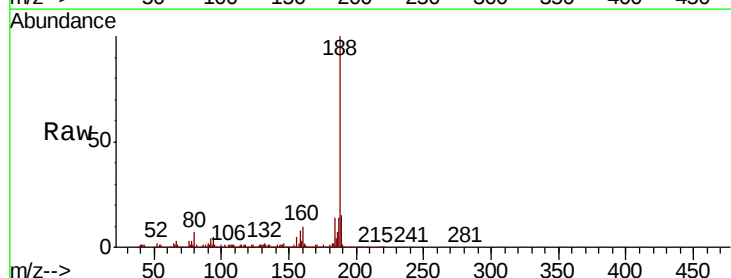
Tgt Ion:188 Resp: 286494

Ion Ratio Lower Upper

188 100

94 5.2 5.7 8.5#

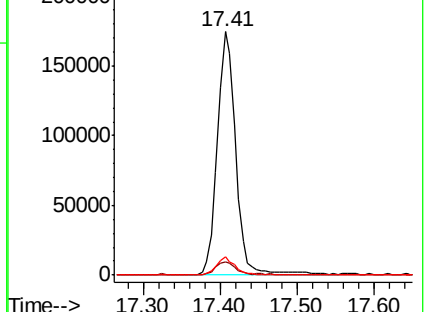
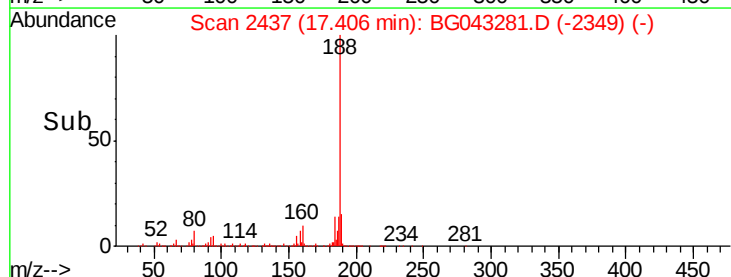
80 7.4 6.5 9.7

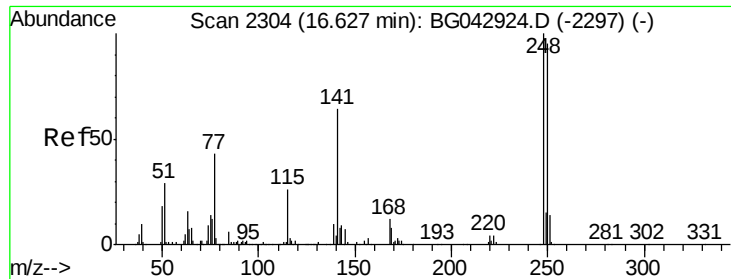


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

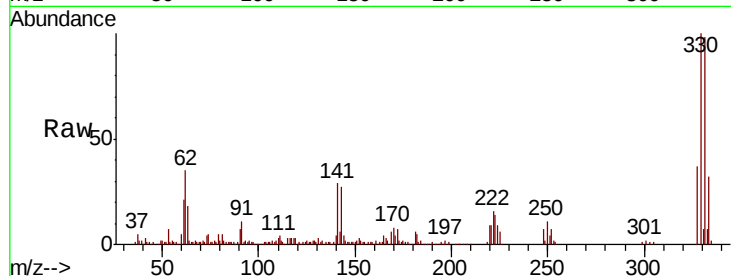




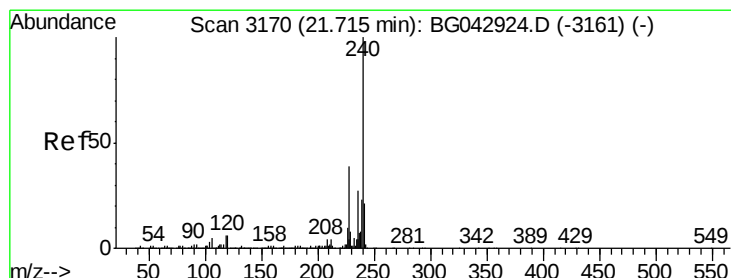
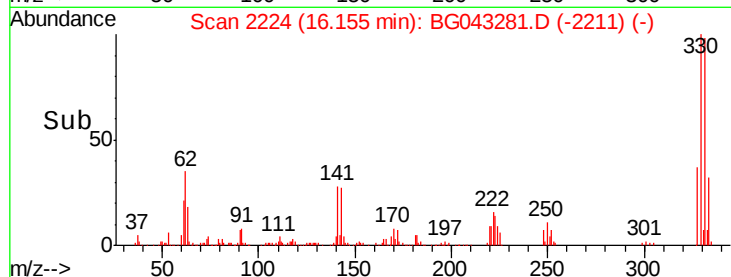
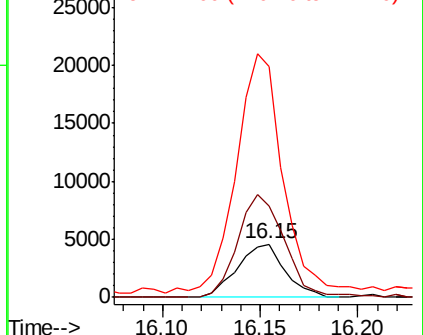
#67
4-Bromophenyl-phenylether
Concen: 2.132 ng
RT: 16.15 min Scan# 2224
Delta R.T. -0.45 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Instrument :
BNA_G
ClientSampled :
MW-16

Tot Ion:248 Resp: 7667
Ion Ratio Lower Upper
248 100
250 173.2 75.8 113.8#
141 436.8 51.1 76.7#

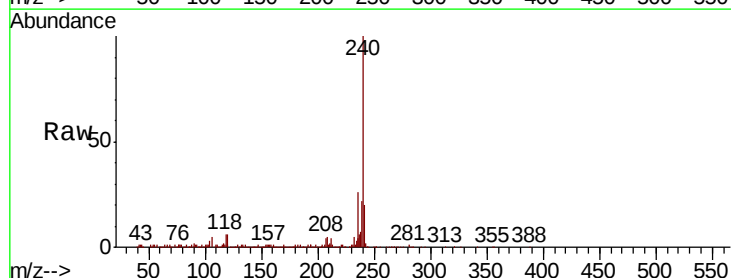


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

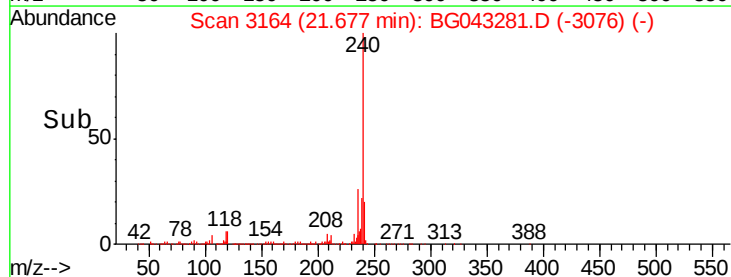
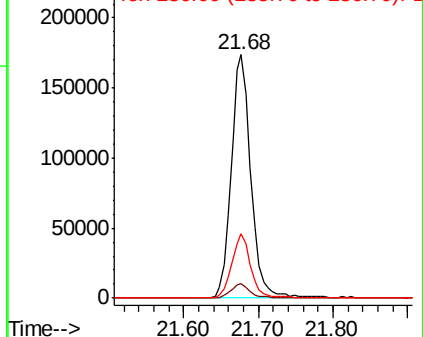


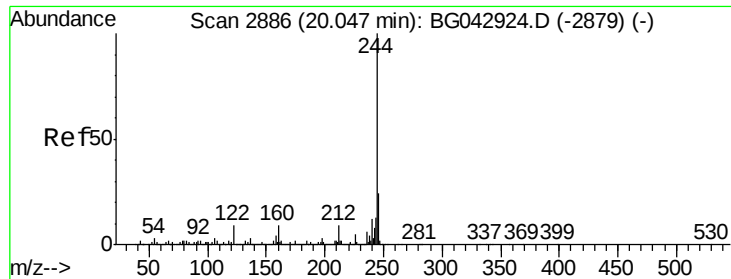
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BG043281.D
Acq: 18 Oct 2019 18:44

Tgt Ion:240 Resp: 318277
Ion Ratio Lower Upper
240 100
120 5.9 4.8 7.2
236 26.2 21.4 32.0



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





#79

Terphenyl-d14

Concen: 85.629 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.01 min

Lab File: BG043281.D

Acq: 18 Oct 2019 18:44

Instrument :

BNA_G

ClientSampleId :

MW-16

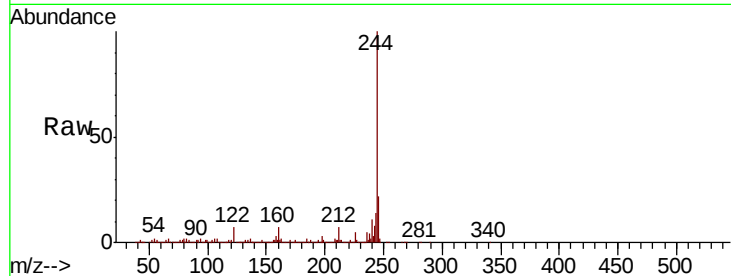
Tot Ion:244 Resp: 1278993

Ion Ratio Lower Upper

244 100

212 7.4 7.4 11.0

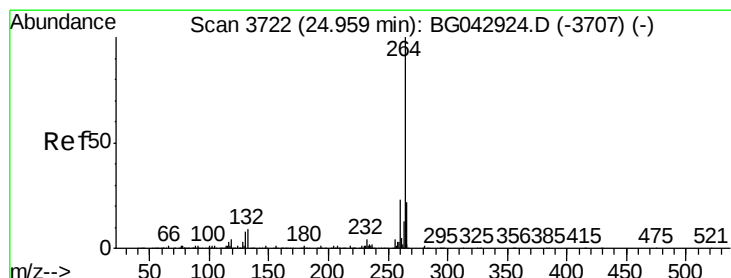
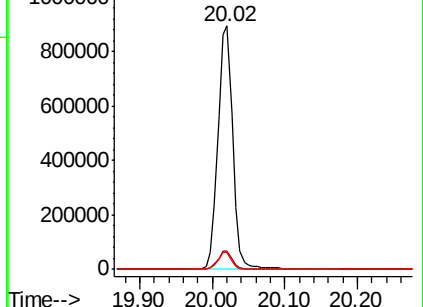
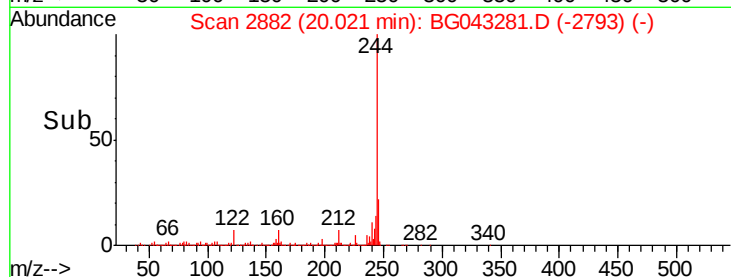
122 7.0 7.0 10.4



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: 24.89 min Scan# 3710

Delta R.T. -0.02 min

Lab File: BG043281.D

Acq: 18 Oct 2019 18:44

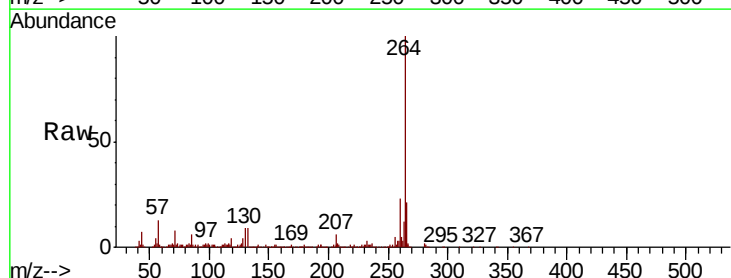
Tgt Ion:264 Resp: 380252

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

265 21.2 17.7 26.5



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

