

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121119\
 Data File : BG043807.D
 Acq On : 11 Dec 2019 22:43
 Operator : JU
 Sample : K6208-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-COMP-2

Quant Time: Dec 12 02:21:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 18:16:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	129343	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	565952	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	400290	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	955487	20.00	ng	0.00
76) Chrysene-d12	21.62	240	823771	20.00	ng	0.00
87) Perylene-d12	24.77	264	917830	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	794217	116.34	ng	0.00
7) Phenol-d6	7.16	99	1184766	120.34	ng	0.00
23) Nitrobenzene-d5	9.15	82	681282	67.59	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	422088	110.61	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1642331	72.07	ng	0.00
79) Terphenyl-d14	19.98	244	2513730	73.41	ng	0.00

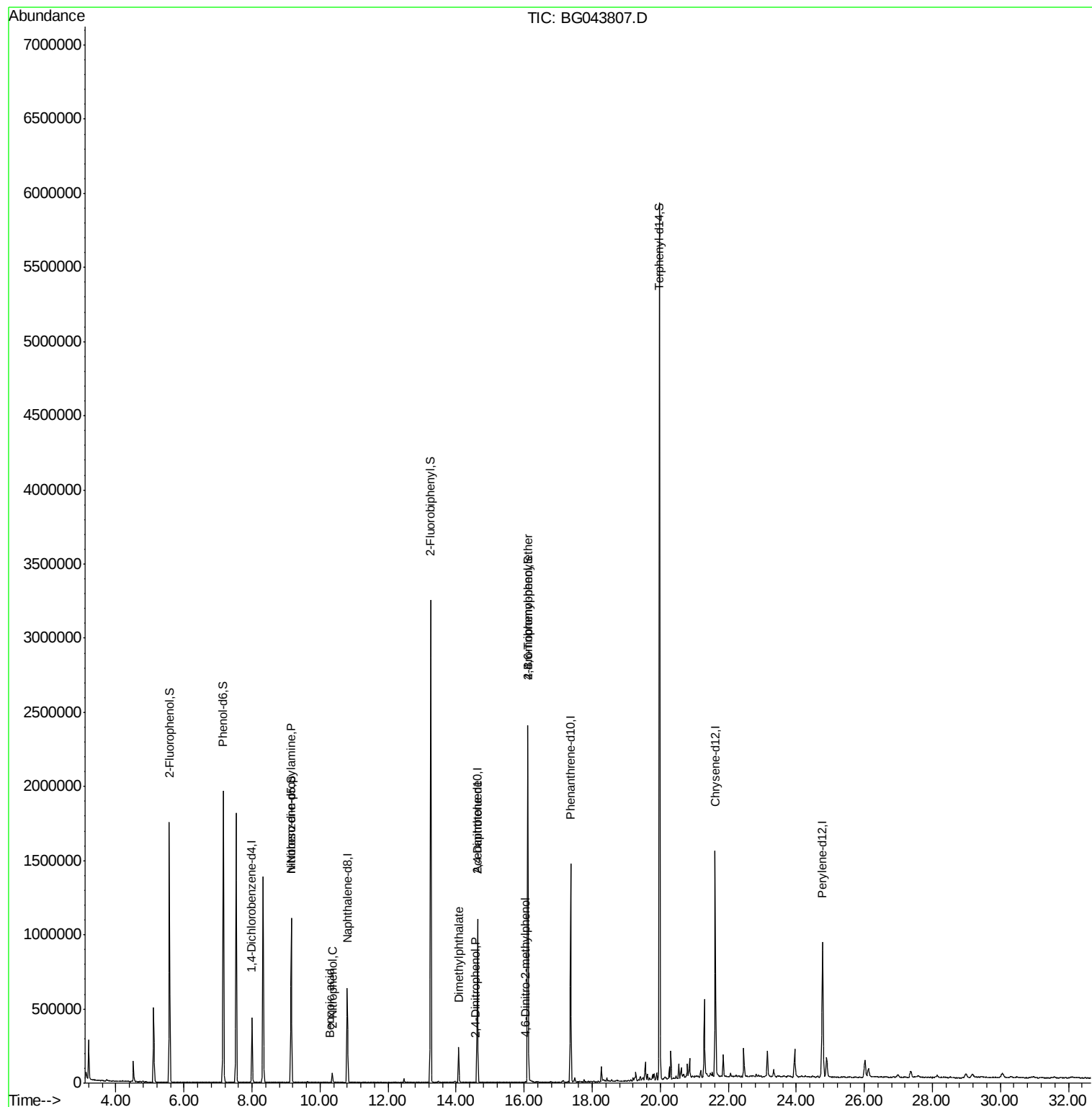
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	2171	Below Cal		# 8
19) n-Nitroso-di-n-propylamine	9.15	70	91806	12.197	ng	# 76
26) 2-Nitrophenol	10.36	139	1962	8.752	ng	# 1
32) Benzoic acid	10.28	122	54	5.658	ng	# 53
50) Dimethylphthalate	14.07	163	160822	5.629	ng	# 98
54) 2,4-Dinitrophenol	14.57	184	65	3.978	ng	# 19
57) 2,4-Dinitrotoluene	14.62	165	53660	6.450	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.03	198	61	9.514	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	32829	3.214	ng	# 1

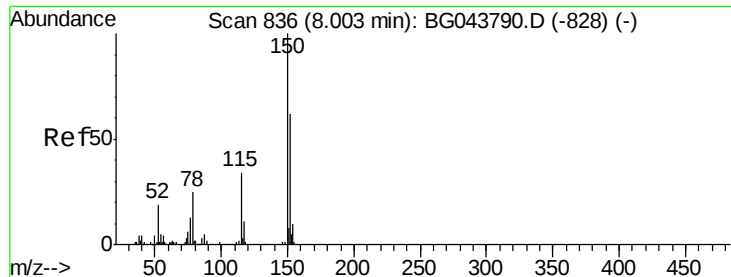
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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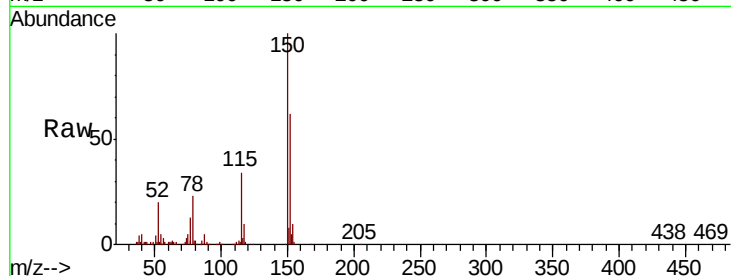


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG043807.D
Acq: 11 Dec 2019 22:43

Instrument :
BNA_G
ClientSampleId :
CONCRETE-COMP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.3	128.6	192.8
115	54.5	44.3	66.5

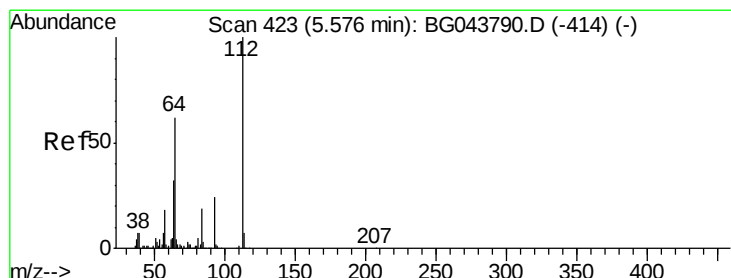
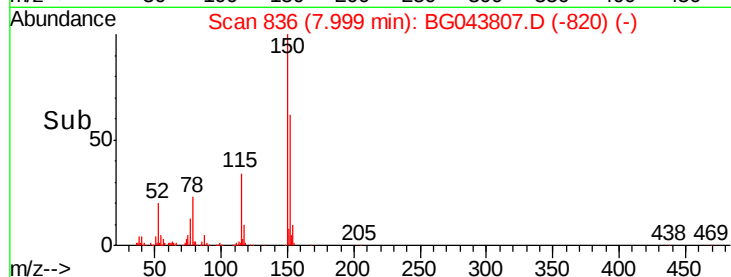
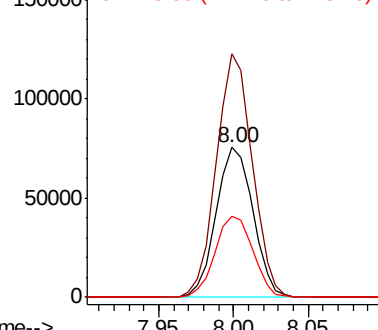


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

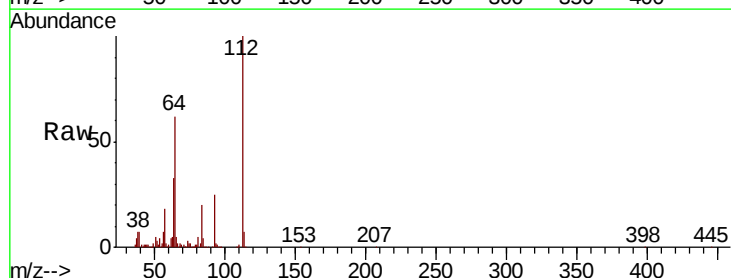
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 116.344 ng
RT: 5.57 min Scan# 423
Delta R.T. -0.00 min
Lab File: BG043807.D
Acq: 11 Dec 2019 22:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	49.9	74.9
63	33.3	26.0	39.0

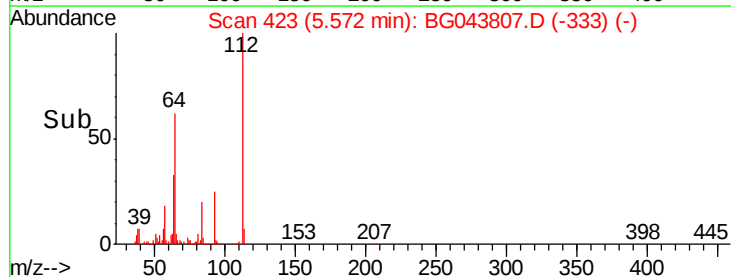
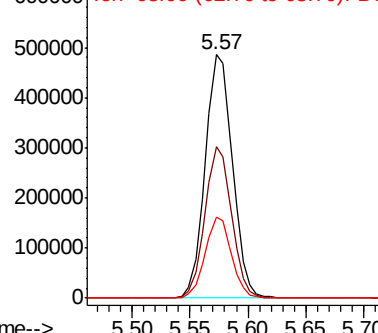


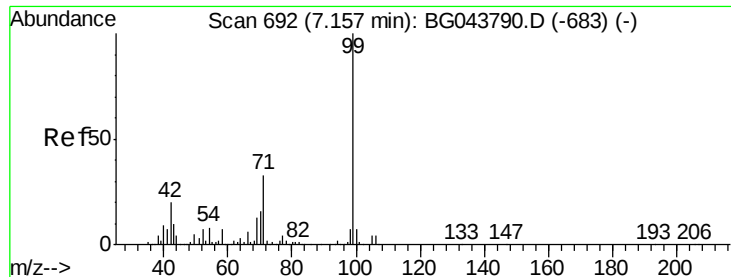
Abundance

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: 120.341 ng

RT: 7.16 min Scan# 693

Delta R.T. 0.00 min

Lab File: BG043807.D

Acq: 11 Dec 2019 22:43

Instrument :

BNA_G

ClientSampleId :

CONCRETE-COMP-2

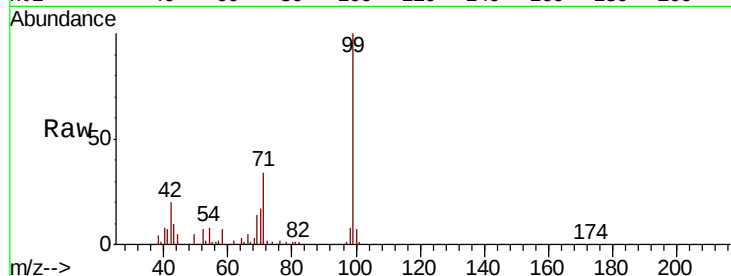
Tot Ion: 99 Resp: 1184766

Ion Ratio Lower Upper

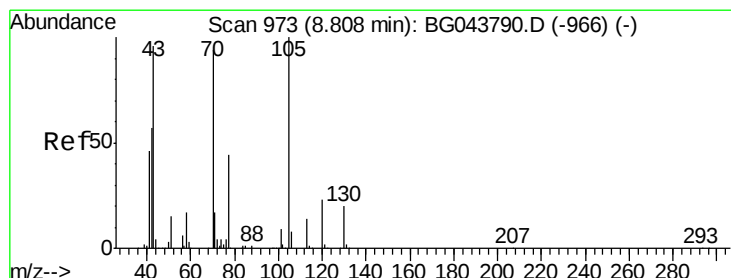
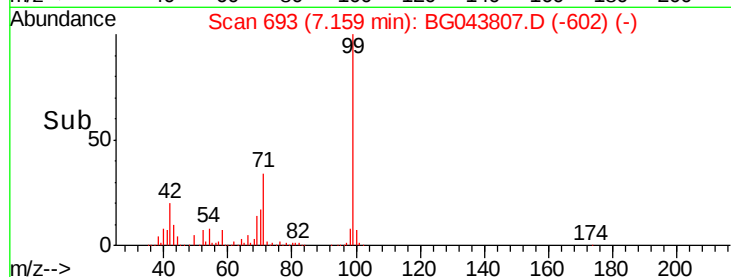
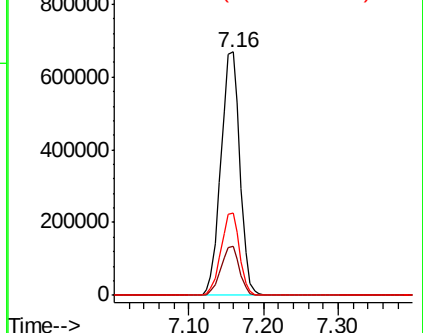
99 100

42 20.0 16.2 24.2

71 33.8 26.6 40.0



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: 12.197 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG043807.D

Acq: 11 Dec 2019 22:43

Tgt Ion: 70 Resp: 91806

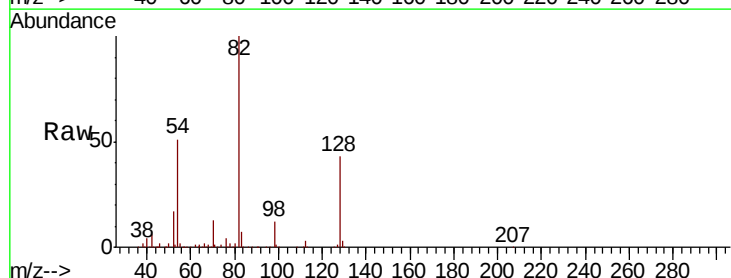
Ion Ratio Lower Upper

70 100

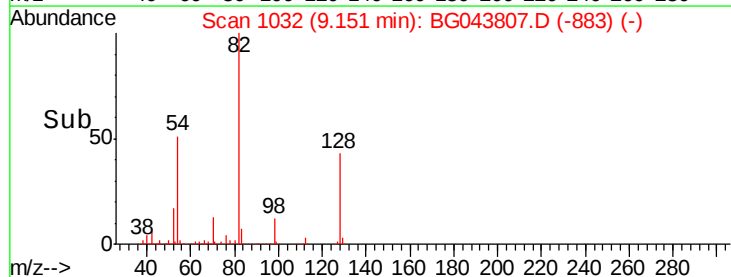
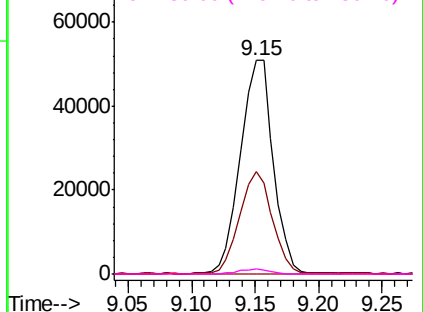
42 47.8 49.2 73.8#

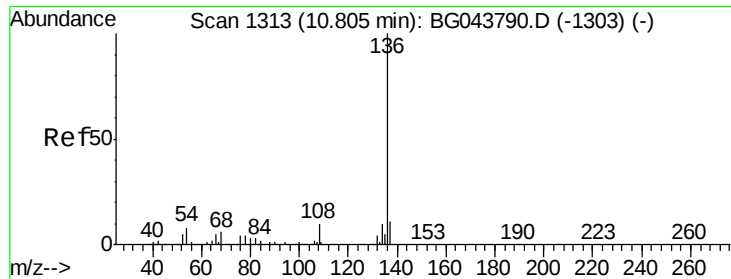
101 0.0 7.8 11.6#

130 2.5 17.0 25.6#



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

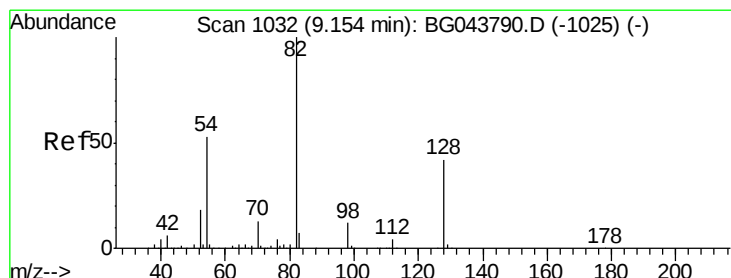
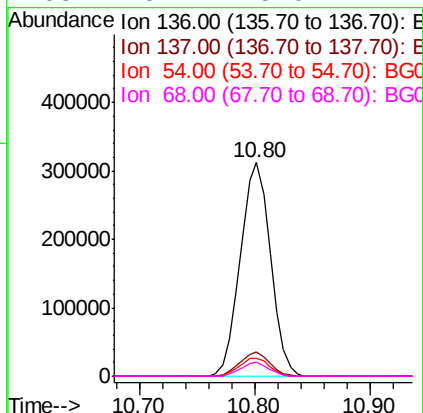
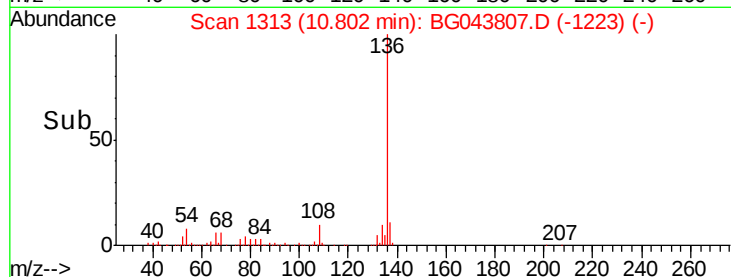
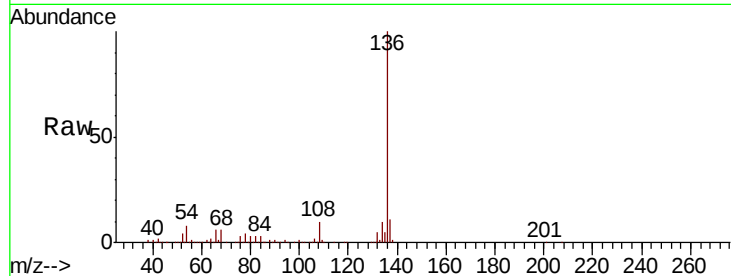




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG043807.D
Acq: 11 Dec 2019 22:43

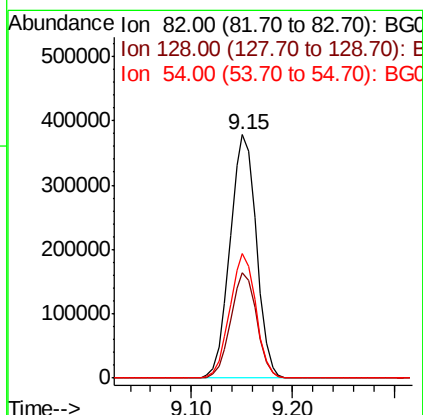
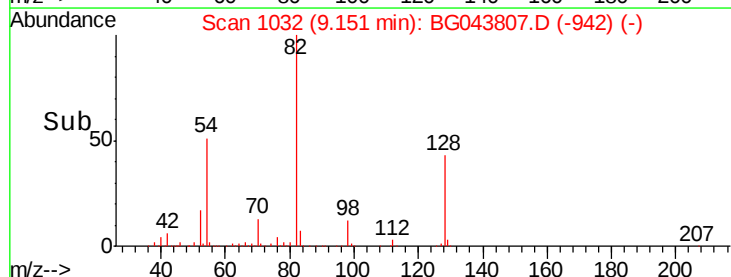
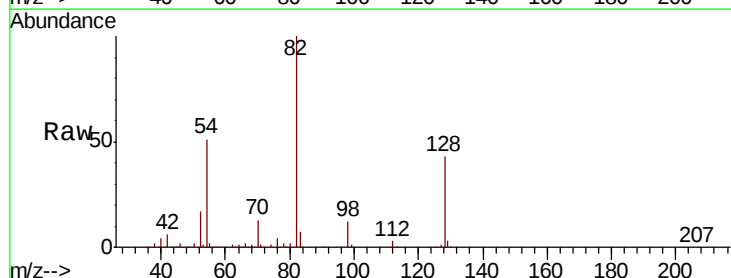
Instrument :
BNA_G
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CONCRETE-COMP-2

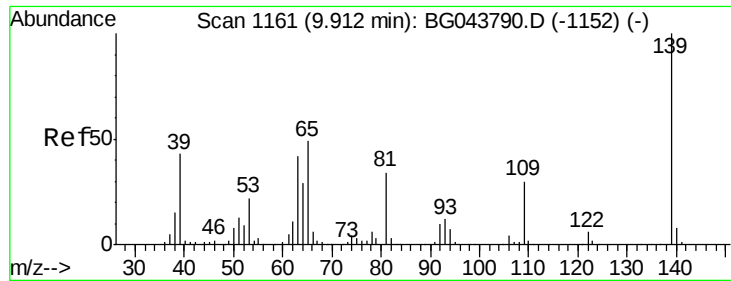
Tot Ion:136	Resp:	565952	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	8.7	13.1	
54 8.4	6.8	10.2	
68 6.4	5.0	7.4	



#23
Nitrobenzene-d5
Concen: 67.589 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG043807.D
Acq: 11 Dec 2019 22:43

Tgt Ion	82	Resp: Lower	681282 Upper
82	100		
128	43.3	33.6	50.4
54	51.4	42.1	63.1

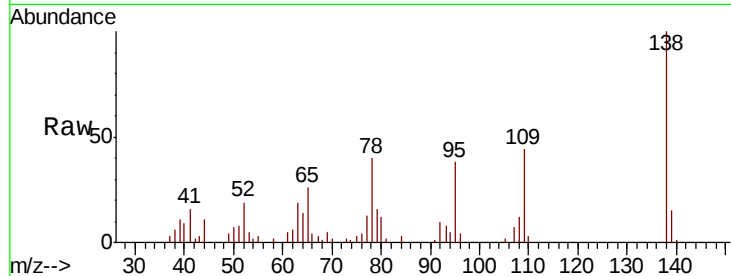




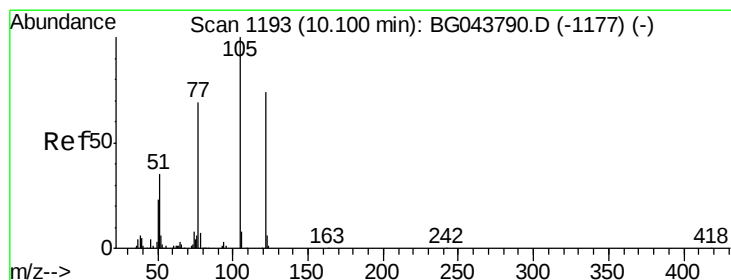
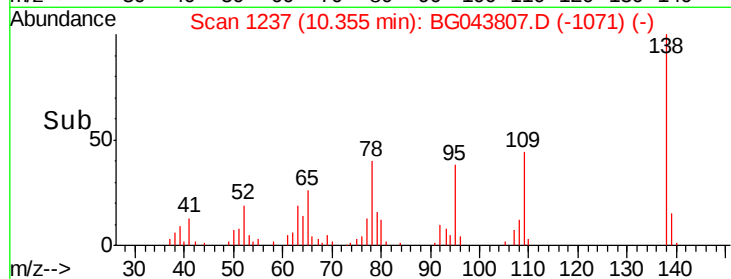
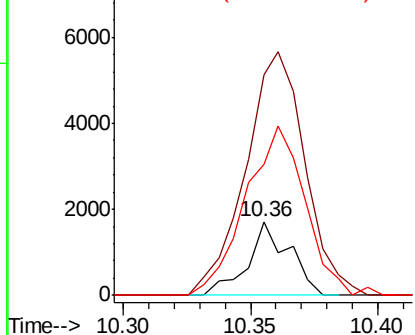
#26
2-Nitrophenol
Concen: 8.752 ng
RT: 10.36 min Scan# 1237
Delta R.T. 0.44 min
Lab File: BG043807.D
Acq: 11 Dec 2019 22:43

Instrument :
BNA_G
ClientSampleId :
CONCRETE-COMP-2

Tot Ion:139 Resp: 1962
Ion Ratio Lower Upper
139 100
109 298.5 23.9 35.9#
65 178.1 39.3 58.9#

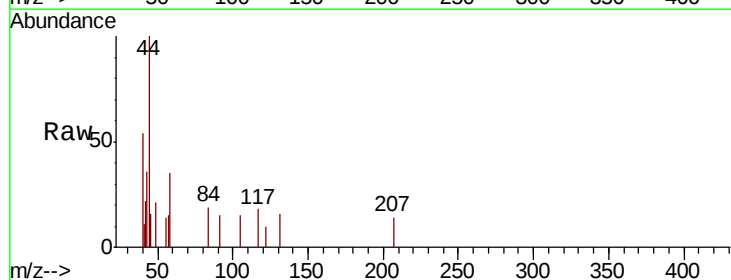


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

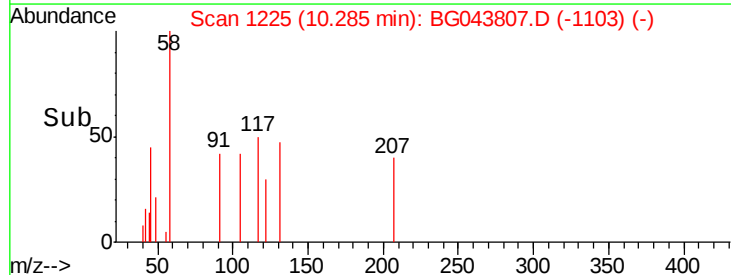
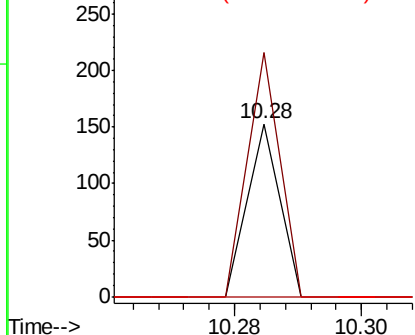


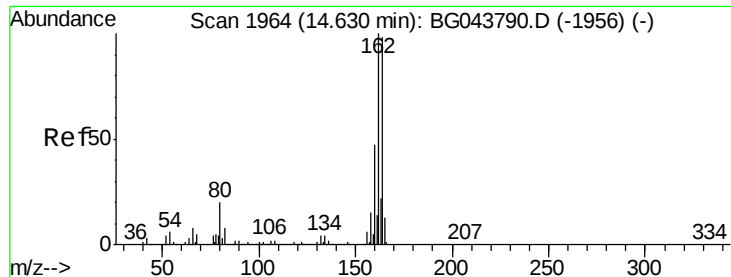
#32
Benzoic acid
Concen: 5.658 ng
RT: 10.28 min Scan# 1225
Delta R.T. 0.18 min
Lab File: BG043807.D
Acq: 11 Dec 2019 22:43

Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 141.2 107.5 147.5
77 0.0 71.7 111.7#



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): BGC

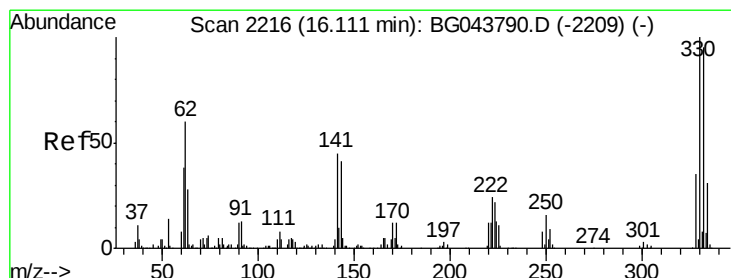
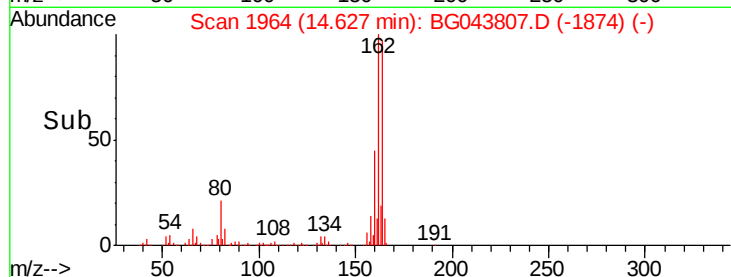
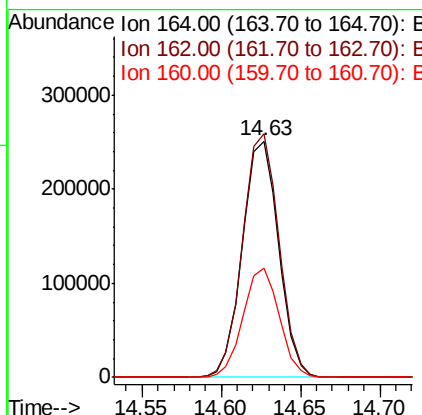
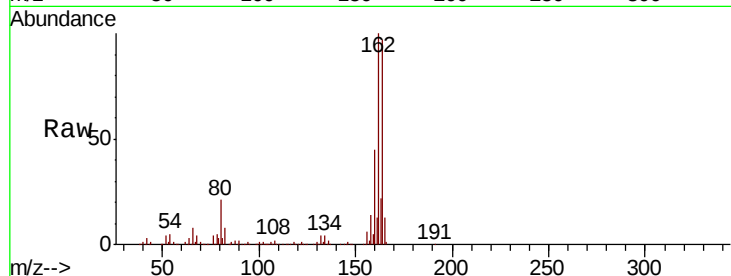




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG043807.D
Acq: 11 Dec 2019 22:43

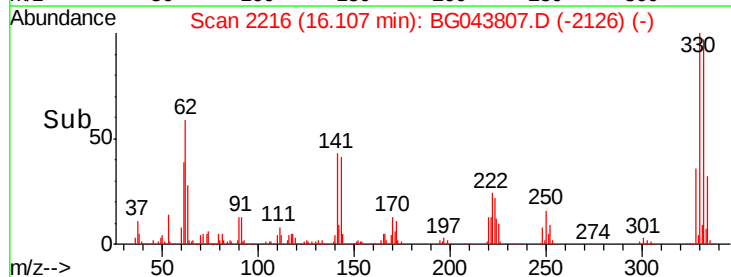
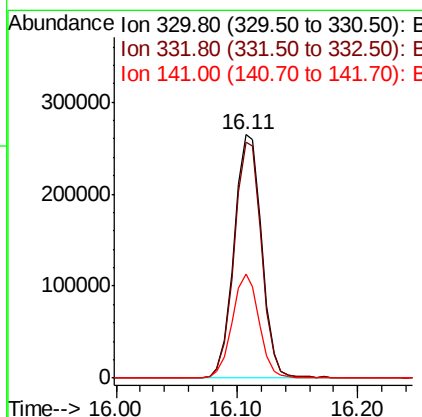
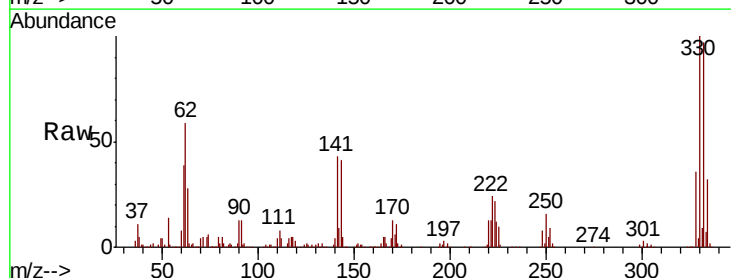
Instrument :
BNA_G
ClientSampleId :
CONCRETE-COMP-2

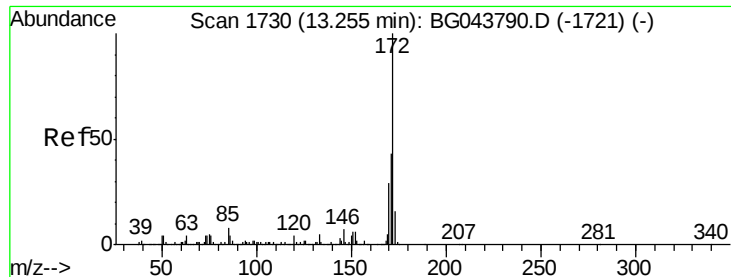
Tot Ion:164 Resp: 400290
Ion Ratio Lower Upper
164 100
162 103.0 81.9 122.9
160 46.1 38.3 57.5



#42
2,4,6-Tribromophenol
Concen: 110.605 ng
RT: 16.11 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BG043807.D
Acq: 11 Dec 2019 22:43

Tgt Ion:330 Resp: 422088
Ion Ratio Lower Upper
330 100
332 96.4 76.9 115.3
141 41.6 33.8 50.8

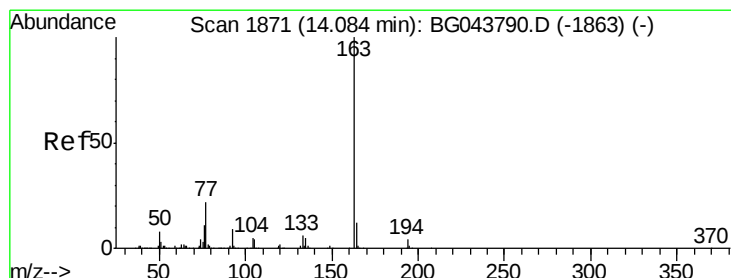
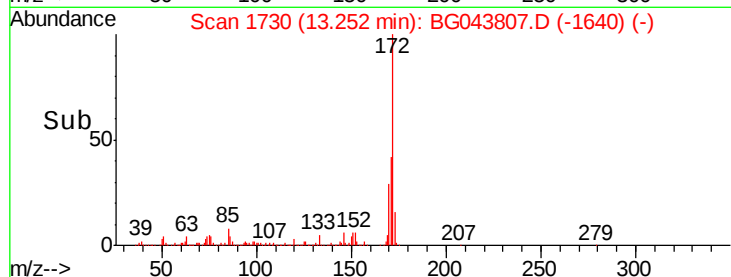
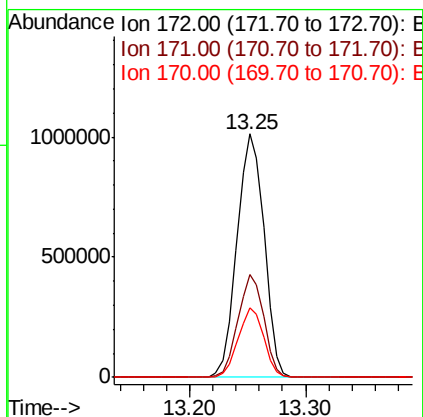
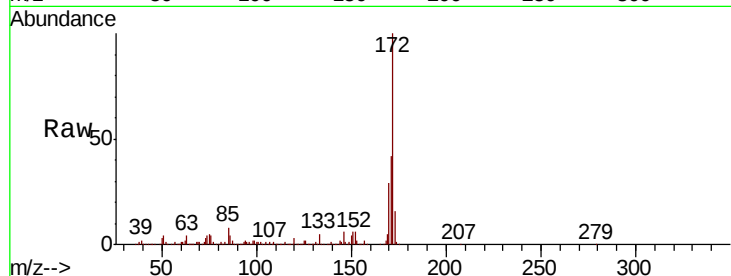




#45
2-Fluorobiphenyl
Concen: 72.069 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.00 min
Lab File: BG043807.D
Acq: 11 Dec 2019 22:43

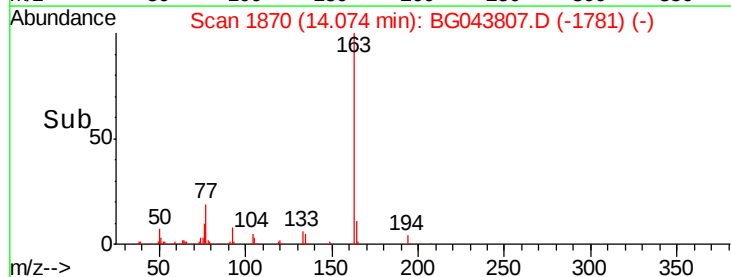
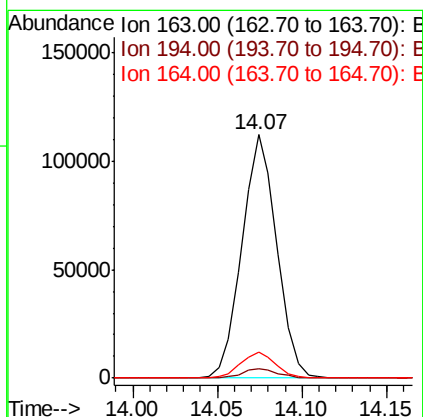
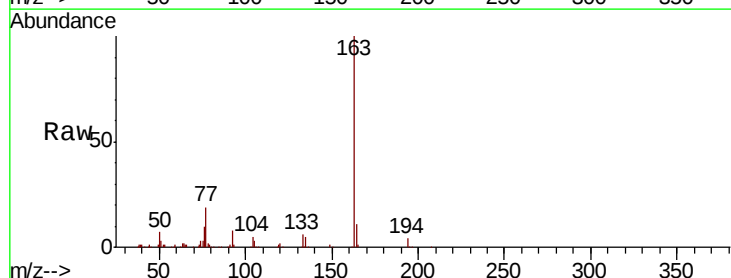
Instrument :
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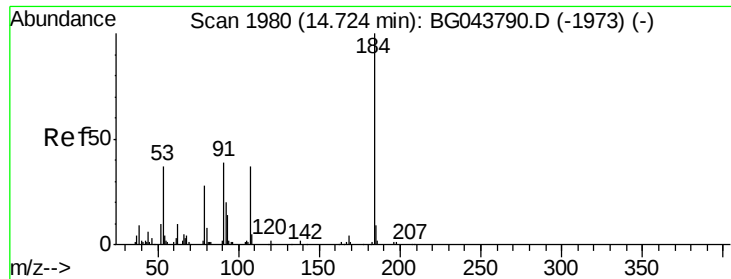
Tot Ion:172 Resp: 1642331
Ion Ratio Lower Upper
172 100
171 42.3 34.6 51.8
170 28.7 23.3 34.9



#50
Dimethylphthalate
Concen: 5.629 ng
RT: 14.07 min Scan# 1870
Delta R.T. -0.01 min
Lab File: BG043807.D
Acq: 11 Dec 2019 22:43

Tgt Ion:163 Resp: 160822
Ion Ratio Lower Upper
163 100
194 4.1 3.6 5.4
164 10.6 9.4 14.0

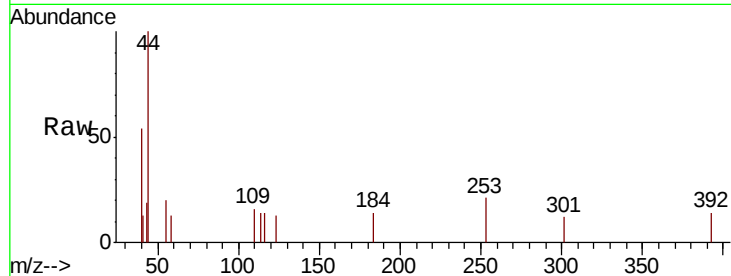




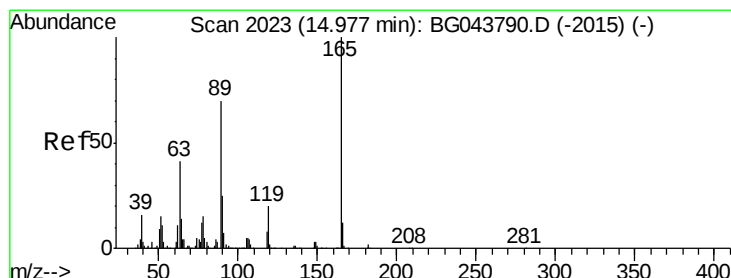
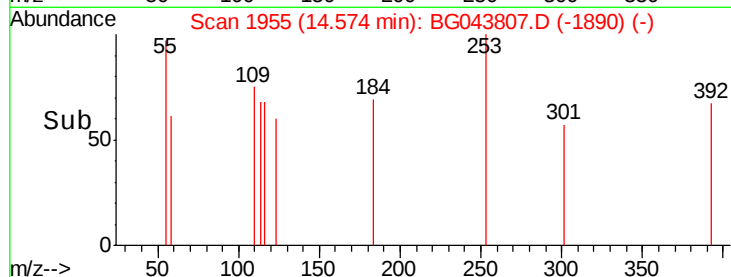
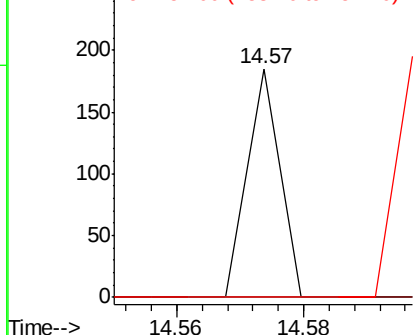
#54
2,4-Dinitrophenol
Concen: 3.978 ng
RT: 14.57 min Scan# 1955
Delta R.T. -0.15 min
Lab File: BG043807.D
Acq: 11 Dec 2019 22:43

Instrument :
BNA_G
ClientSampleId :
CONCRETE-COMP-2

Tot Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 0.0 43.4 65.0#
154 0.0 54.8 82.2#

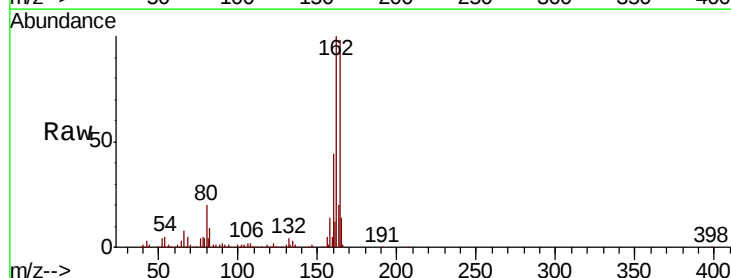


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

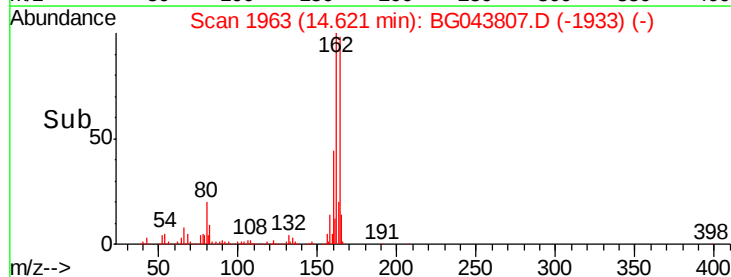
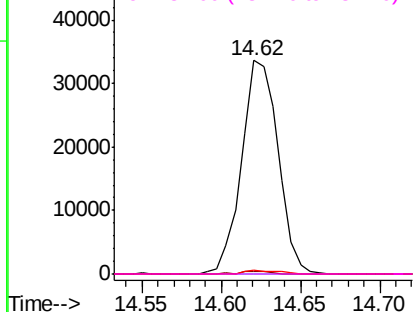


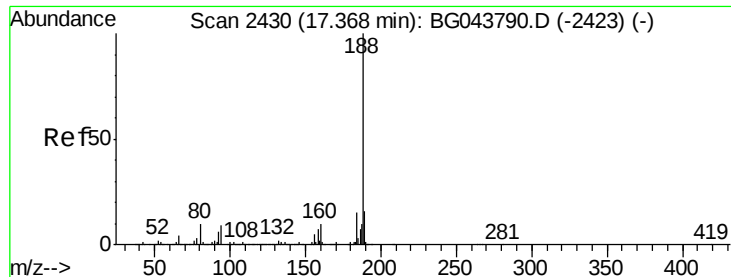
#57
2,4-Dinitrotoluene
Concen: 6.450 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.36 min
Lab File: BG043807.D
Acq: 11 Dec 2019 22:43

Tgt Ion:165 Resp: 53660
Ion Ratio Lower Upper
165 100
63 1.0 32.7 49.1#
89 1.6 56.1 84.1#
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: 17.36 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG043807.D

Acq: 11 Dec 2019 22:43

Instrument :

BNA_G

ClientSampleId :

CONCRETE-COMP-2

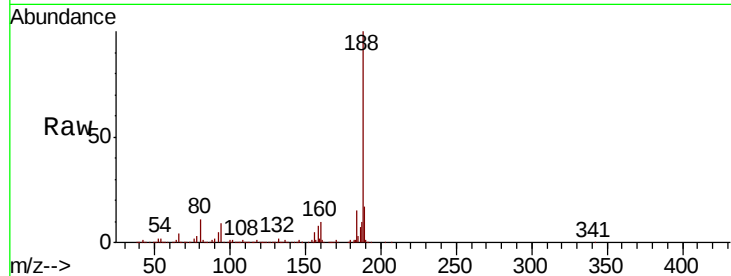
Tot Ion:188 Resp: 955487

Ion Ratio Lower Upper

188 100

94 9.4 6.9 10.3

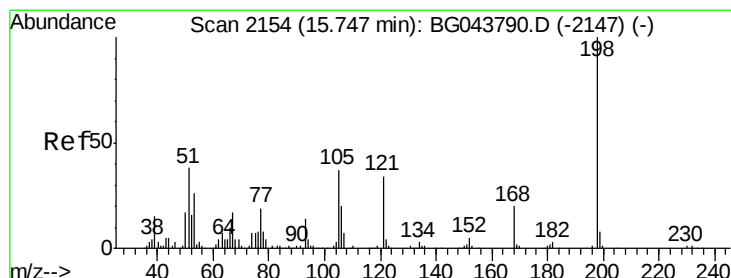
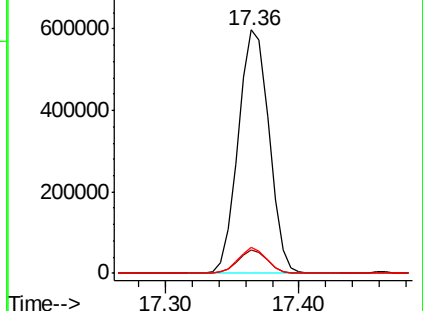
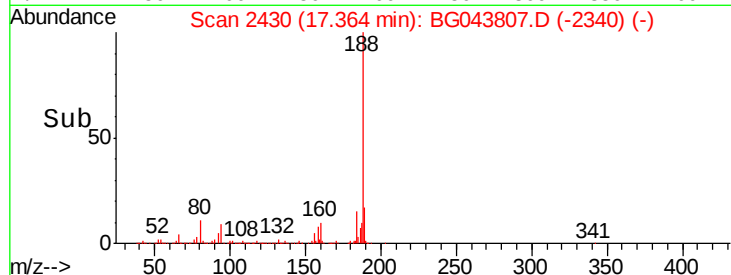
80 10.6 7.8 11.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 9.514 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.28 min

Lab File: BG043807.D

Acq: 11 Dec 2019 22:43

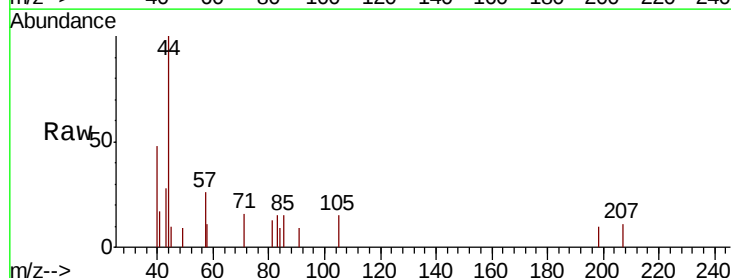
Tgt Ion:198 Resp: 61

Ion Ratio Lower Upper

198 100

51 0.0 18.9 58.9#

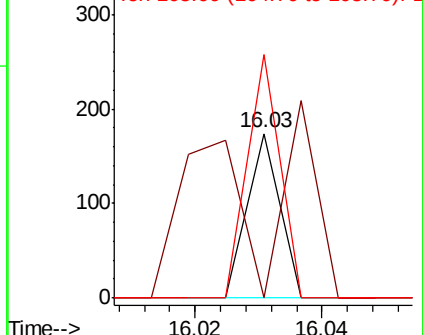
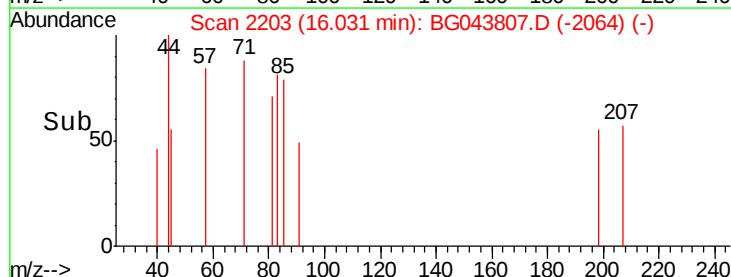
105 148.3 18.1 58.1#

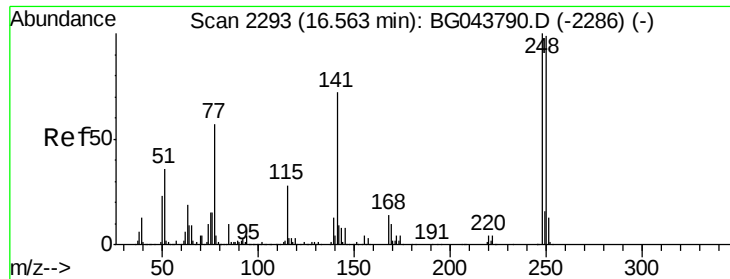


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

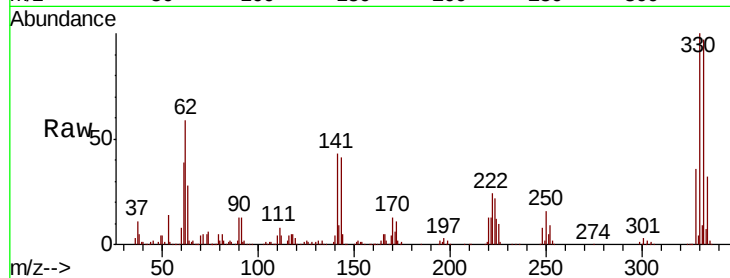




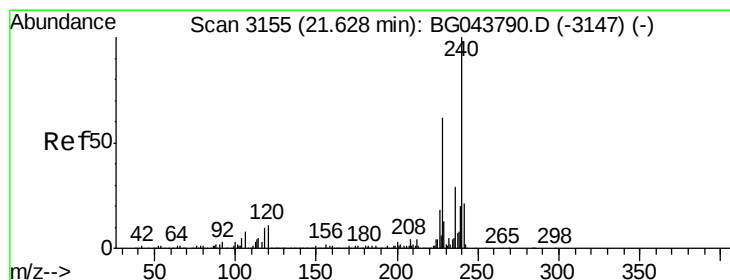
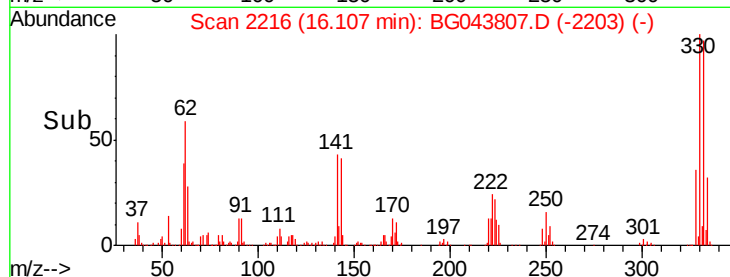
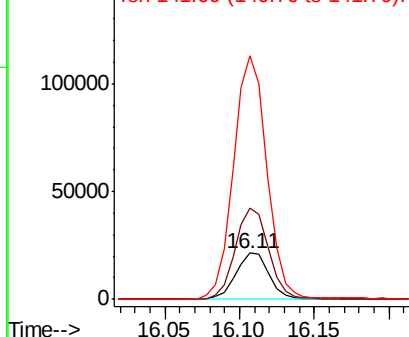
#67
4-Bromophenyl-phenylether
Concen: 3.214 ng
RT: 16.11 min Scan# 2216
Delta R.T. -0.46 min
Lab File: BG043807.D
Acq: 11 Dec 2019 22:43

Instrument :
BNA_G
ClientSampleId :
CONCRETE-COMP-2

Tot Ion:248 Resp: 32829
Ion Ratio Lower Upper
248 100
250 198.8 79.0 118.6#
141 528.9 57.8 86.6#

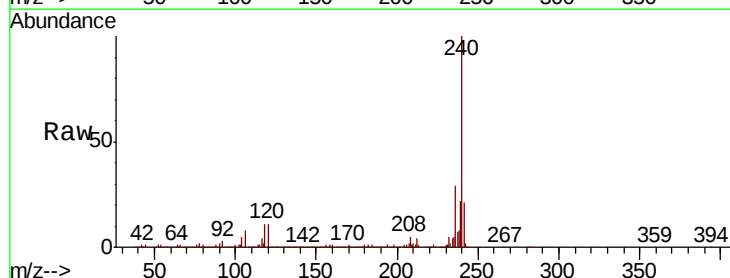


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

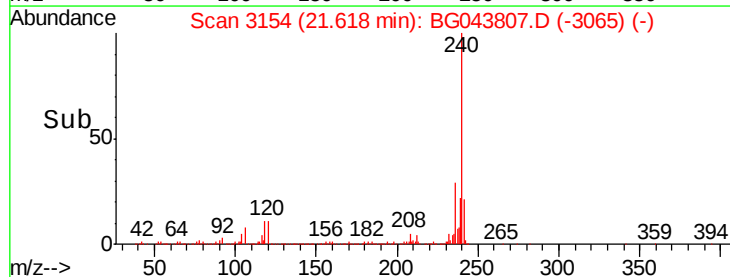
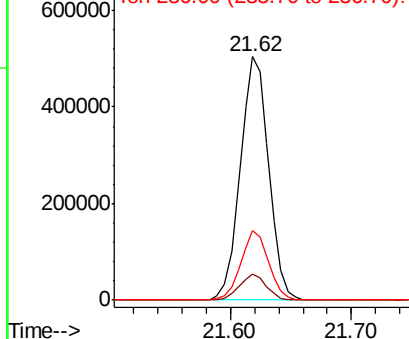


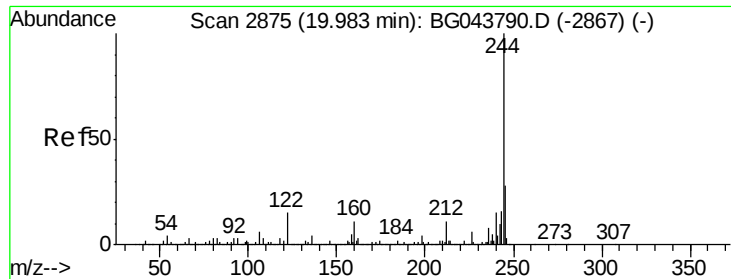
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3154
Delta R.T. -0.01 min
Lab File: BG043807.D
Acq: 11 Dec 2019 22:43

Tgt Ion:240 Resp: 823771
Ion Ratio Lower Upper
240 100
120 10.8 8.6 12.8
236 28.7 23.1 34.7



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: 73.412 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG043807.D

Acq: 11 Dec 2019 22:43

Instrument :

BNA_G

ClientSampleId :

CONCRETE-COMP-2

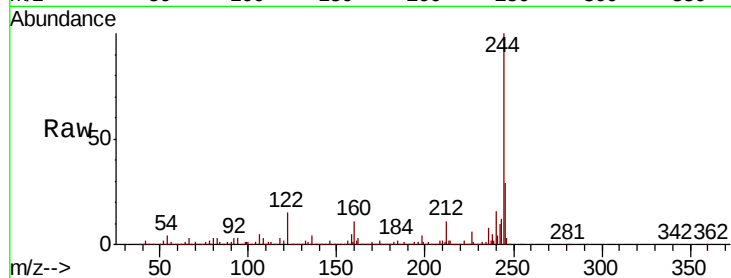
Tot Ion:244 Resp: 2513730

Ion Ratio Lower Upper

244 100

212 11.4 9.1 13.7

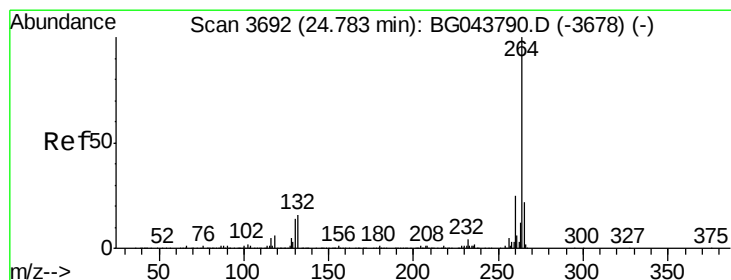
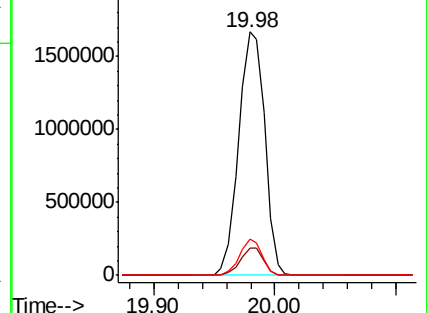
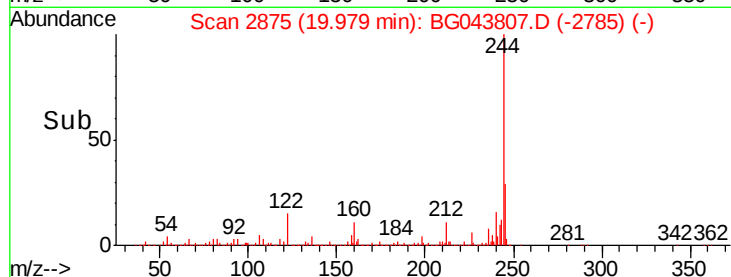
122 14.9 11.6 17.4



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: 24.77 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BG043807.D

Acq: 11 Dec 2019 22:43

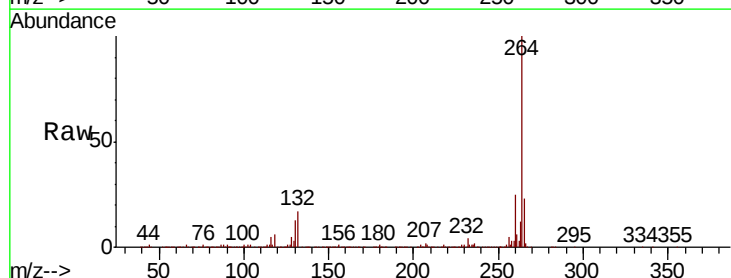
Tgt Ion:264 Resp: 917830

Ion Ratio Lower Upper

264 100

260 24.9 19.8 29.8

265 22.9 17.9 26.9



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

