

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
 Data File : BG044430.D
 Acq On : 13 Feb 2020 23:15
 Operator : CG/JU
 Sample : L1493-06RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 14 02:58:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	96283	20.00	ng	0.00
21) Naphthalene-d8	10.71	136	407472	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	250139	20.00	ng	0.00
64) Phenanthrene-d10	17.29	188	484379	20.00	ng	0.00
76) Chrysene-d12	21.53	240	443519	20.00	ng	0.00
87) Perylene-d12	24.64	264	470019	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	372439	68.27	ng	0.00
7) Phenol-d6	7.08	99	501424	68.44	ng	0.00
23) Nitrobenzene-d5	9.06	82	303665	42.07	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	177189	60.34	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	704326	47.15	ng	0.00
79) Terphenyl-d14	19.90	244	907136	42.07	ng	0.00

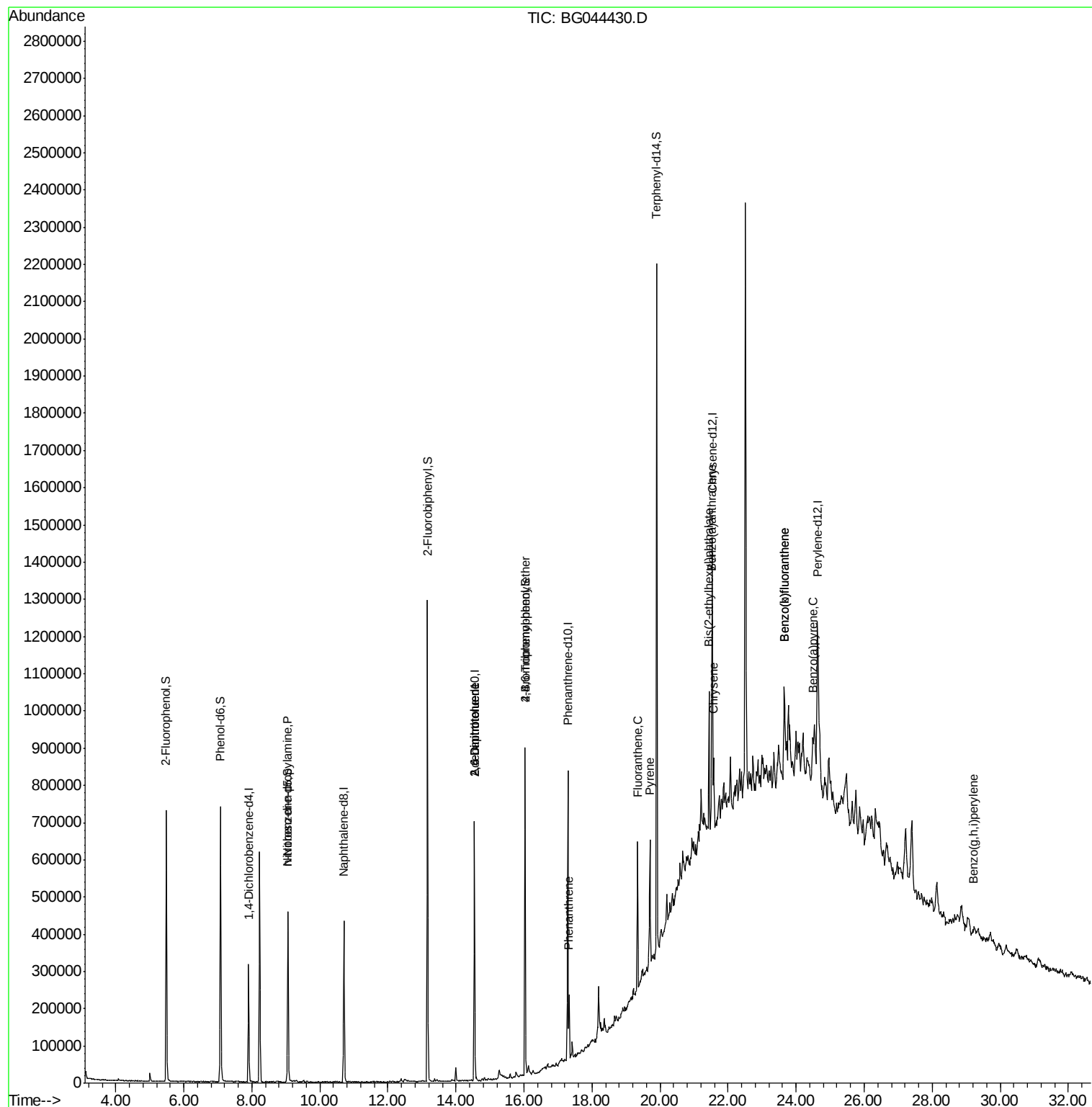
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.06	70	38997	7.987	ng	# 75
51) 2,6-Dinitrotoluene	14.54	165	32796	8.180	ng	# 30
57) 2,4-Dinitrotoluene	14.54	165	32796	5.837	ng	# 27
67) 4-Bromophenyl-phenylether	16.03	248	12249	2.321	ng	# 1
71) Phenanthrene	17.33	178	106809	4.554	ng	96
75) Fluoranthene	19.34	202	247771	9.132	ng	96
78) Pyrene	19.70	202	215974	7.583	ng	94
81) Benzo(a)anthracene	21.52	228	125401	4.588	ng	96
83) Chrysene	21.58	228	123701	4.682	ng	97
84) Bis(2-ethylhexyl)phthalate	21.44	149	162267	9.083	ng	96
88) Benzo(b)fluoranthene	23.66	252	158715	5.860	ng	# 89
89) Benzo(k)fluoranthene	23.66	252	158715	6.013	ng	# 90
90) Benzo(a)pyrene	24.48	252	108477	4.236	ng	# 88
92) Benzo(a,h,i)perylene	29.22	276	52834	2.083	ng	# 91

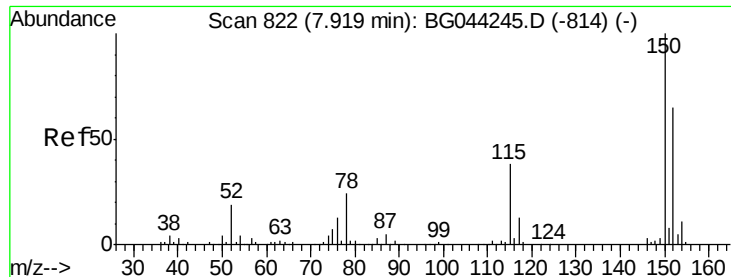
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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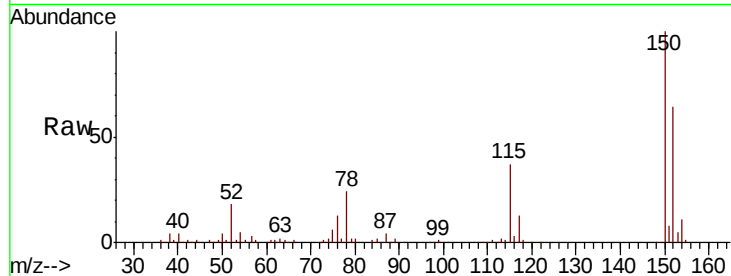


#1

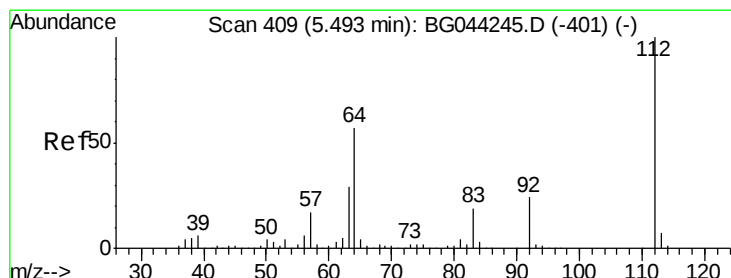
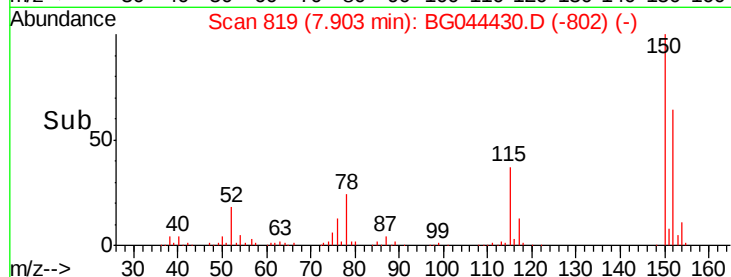
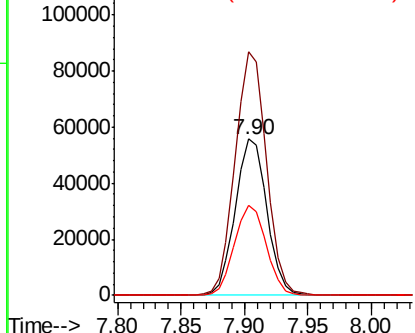
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 96283
Ion Ratio Lower Upper
152 100
150 155.7 122.6 183.8
115 57.7 46.0 69.0



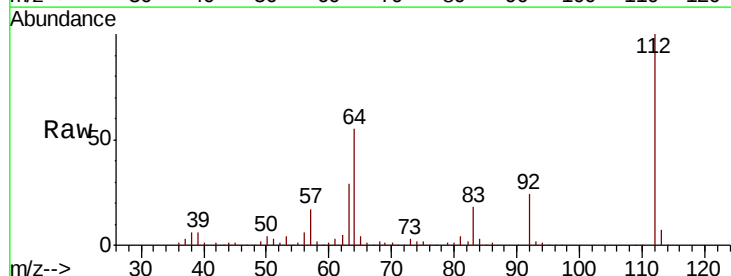
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



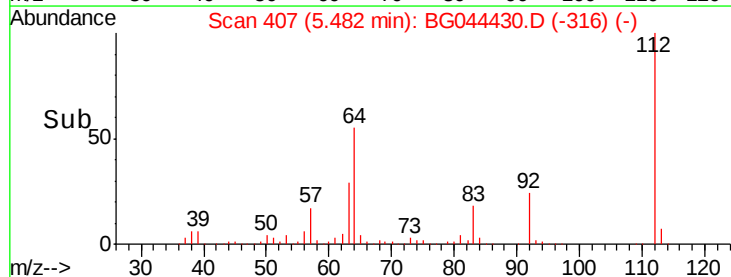
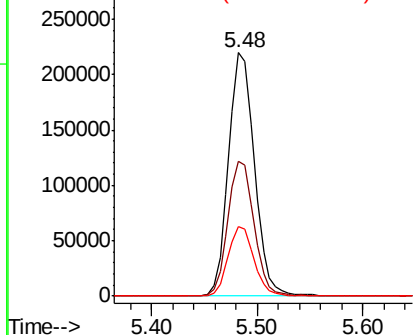
#5

2-Fluorophenol
Concen: 68.267 ng
RT: 5.48 min Scan# 407
Delta R.T. 0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Tgt Ion:112 Resp: 372439
Ion Ratio Lower Upper
112 100
64 55.4 45.4 68.2
63 28.8 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 68.444 ng

RT: 7.08 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG044430.D

Acq: 13 Feb 2020 23:15

Instrument :

BNA_G

ClientSampleId :

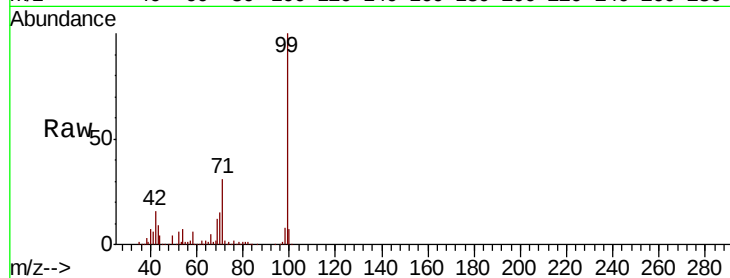
Tot Ion: 99 Resp: 501424

Ion Ratio Lower Upper

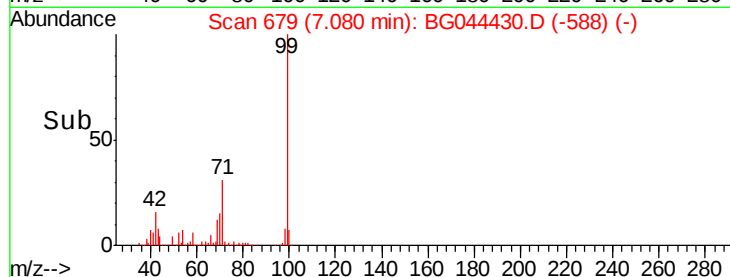
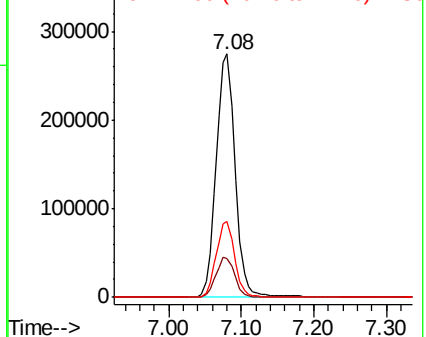
99 100

42 16.1 13.8 20.6

71 31.0 25.5 38.3



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: 7.987 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044430.D

Acq: 13 Feb 2020 23:15

Tgt Ion: 70 Resp: 38997

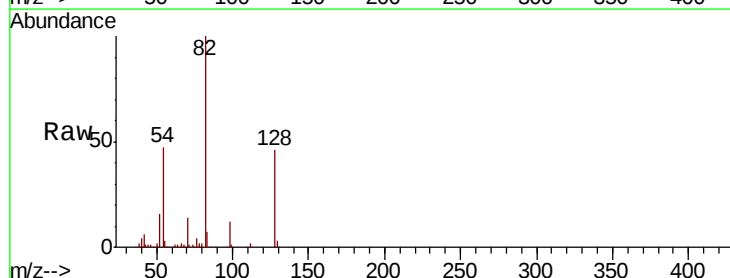
Ion Ratio Lower Upper

70 100

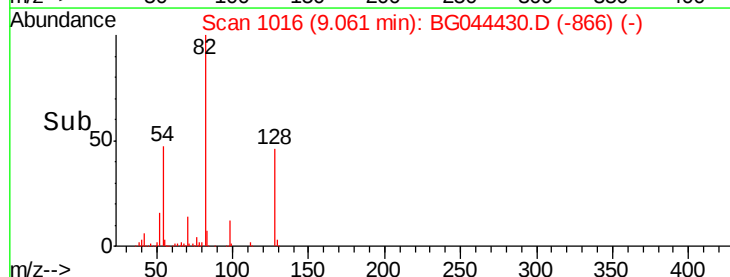
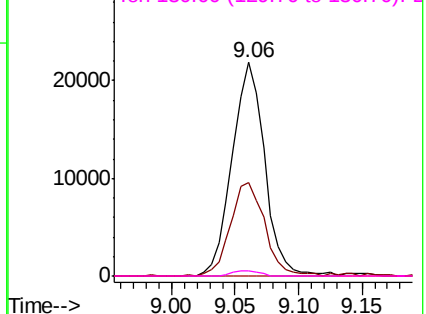
42 44.0 46.2 69.2#

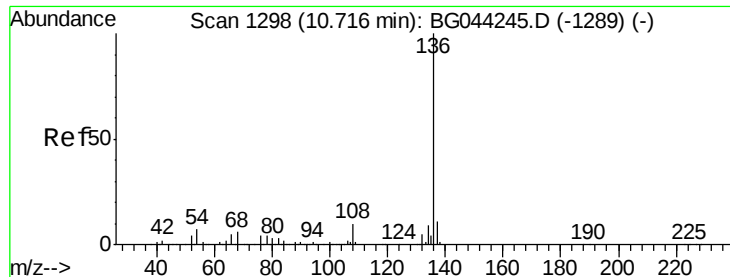
101 0.0 8.4 12.6#

130 2.4 17.8 26.8#



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

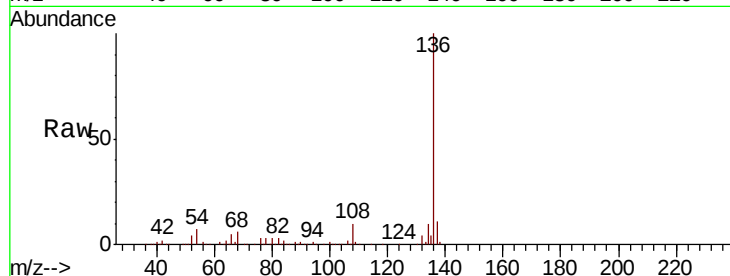




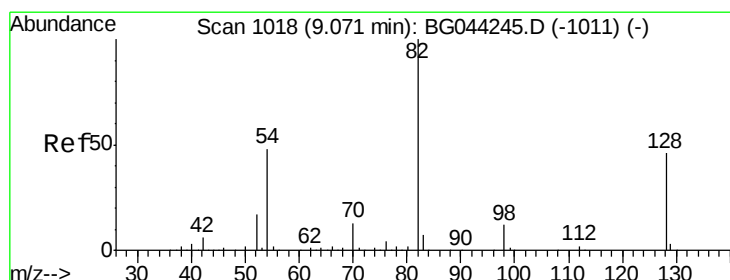
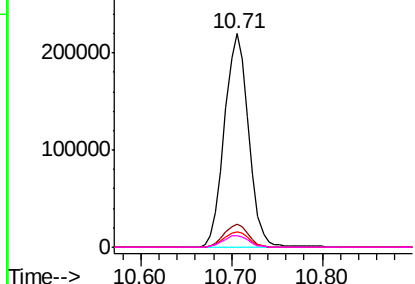
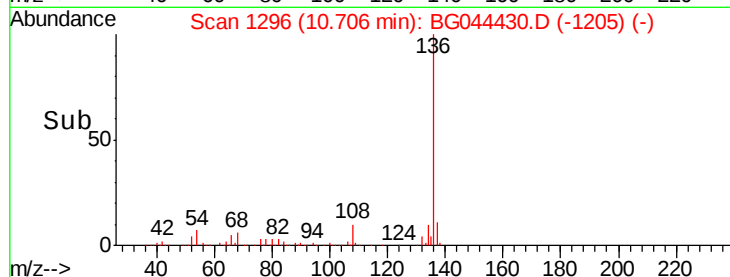
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.71 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	407472
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.8 13.2
54	7.1	5.8 8.8
68	5.6	4.6 6.8

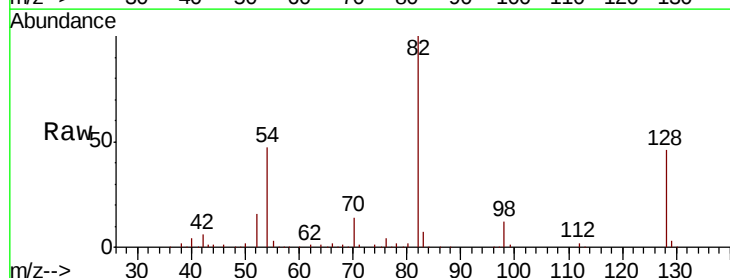


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

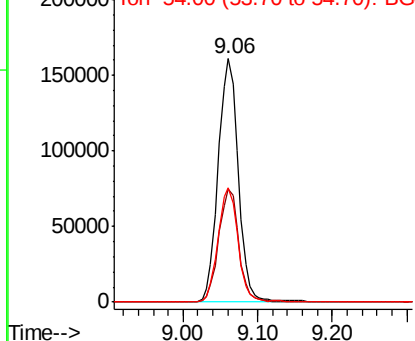
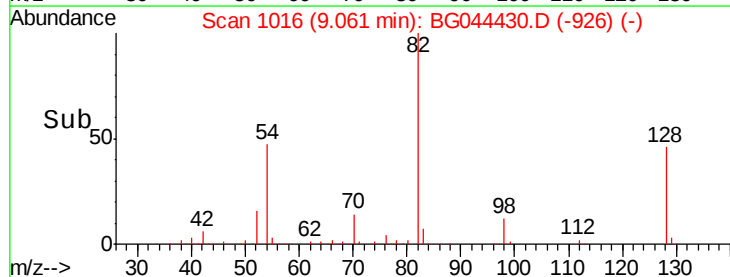


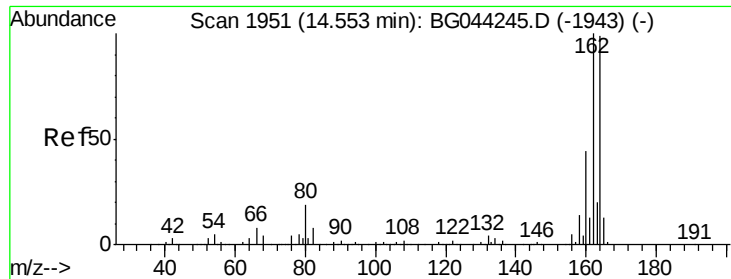
#23
Nitrobenzene-d5
Concen: 42.074 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Tgt Ion: 82	Resp:	303665
Ion	Ratio	Lower Upper
82	100	
128	46.5	36.5 54.7
54	46.8	38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG

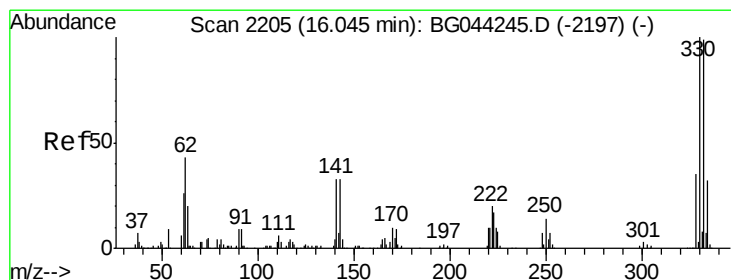
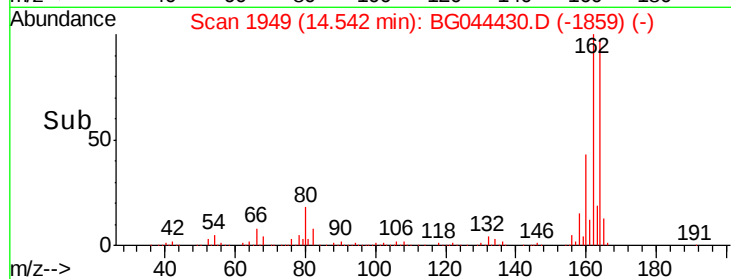
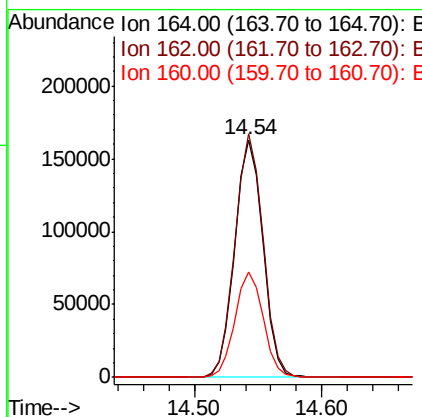
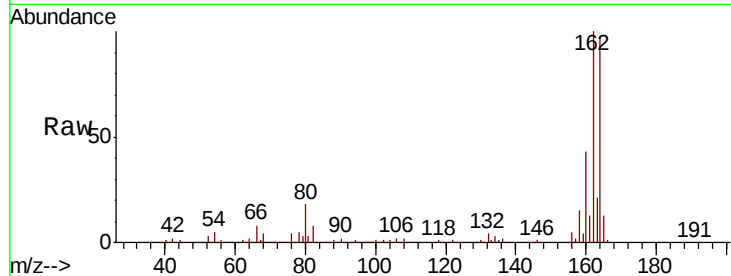




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

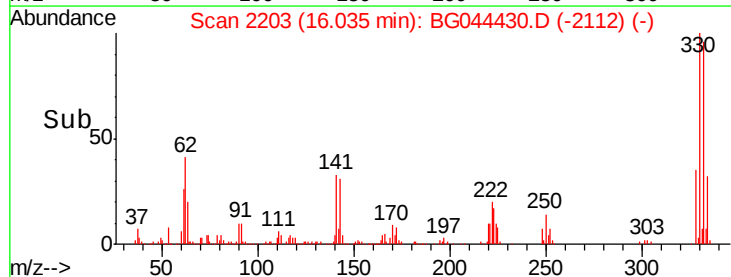
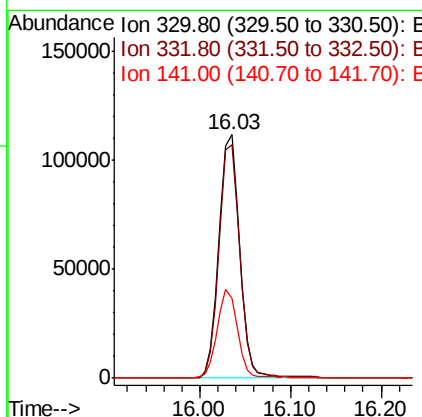
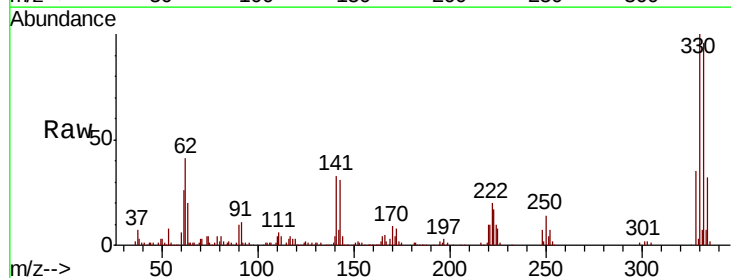
Instrument :
BNA_G
ClientSampled :

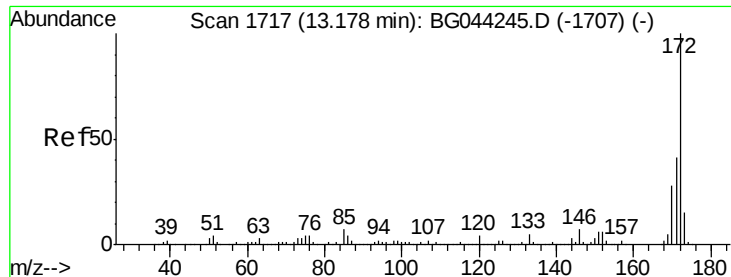
Tot Ion:164 Resp: 250139
Ion Ratio Lower Upper
164 100
162 102.6 80.7 121.1
160 44.6 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 60.340 ng
RT: 16.03 min Scan# 2203
Delta R.T. 0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Tgt Ion:330 Resp: 177189
Ion Ratio Lower Upper
330 100
332 96.0 77.2 115.8
141 36.3 28.3 42.5

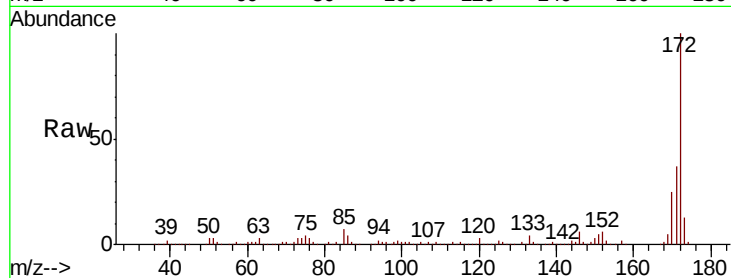




#45
 2-Fluorobiphenyl
 Concen: 47.151 ng
 RT: 13.16 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: BG044430.D
 Acq: 13 Feb 2020 23:15

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	172	Resp	704326
Ion	Ratio	Lower	Upper
172	100		
171	37.4	32.9	49.3
170	25.2	22.0	33.0

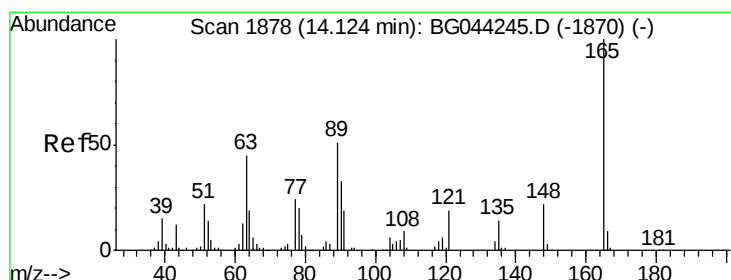
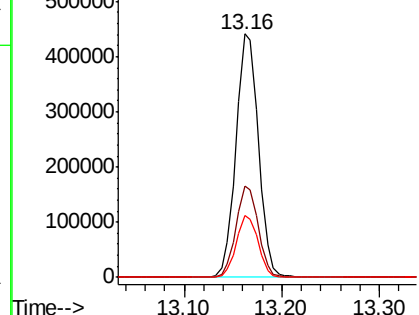
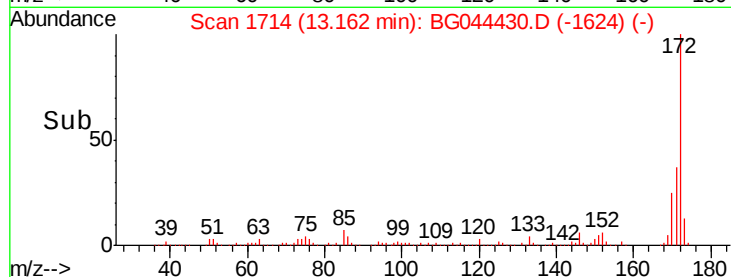


Abundance

Ion 172.00 (171.70 to 172.70): E

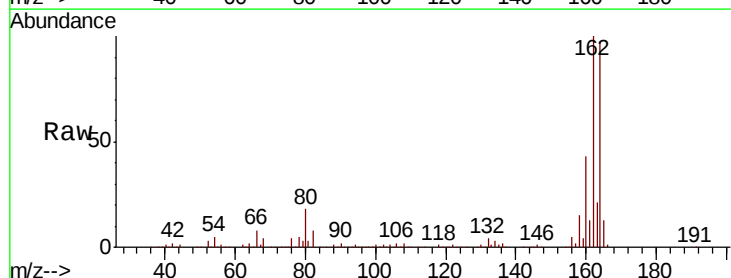
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
 2,6-Dinitrotoluene
 Concen: 8.180 ng
 RT: 14.54 min Scan# 1949
 Delta R.T. 0.43 min
 Lab File: BG044430.D
 Acq: 13 Feb 2020 23:15

Tgt Ion	165	Resp	32796
Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.7	58.1#
89	1.4	40.4	60.6#

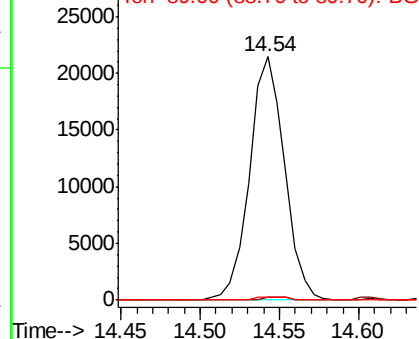
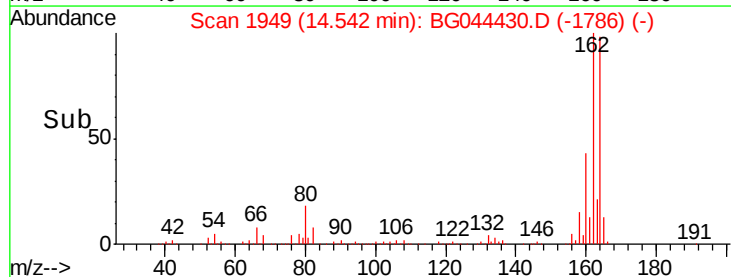


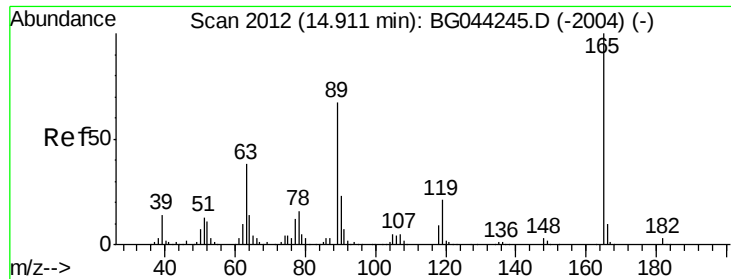
Abundance

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

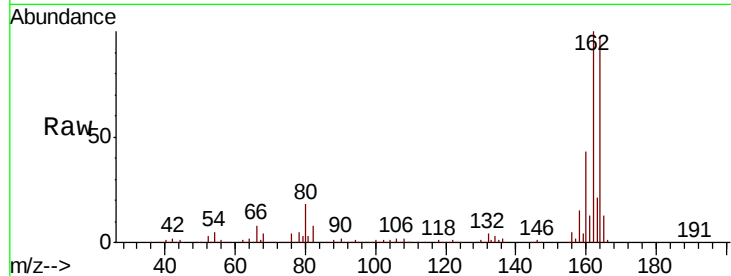




#57
 2,4-Dinitrotoluene
 Concen: 5.837 ng
 RT: 14.54 min Scan# 1949
 Delta R.T. -0.36 min
 Lab File: BG044430.D
 Acq: 13 Feb 2020 23:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	30.3	45.5#
89	1.4	53.4	80.2#
182	0.0	2.1	3.1#

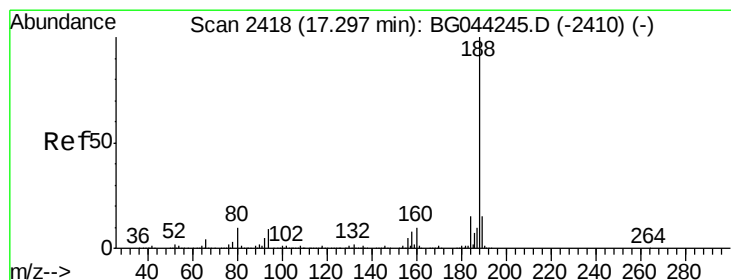
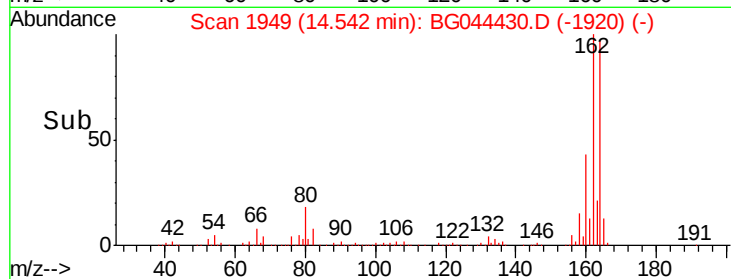
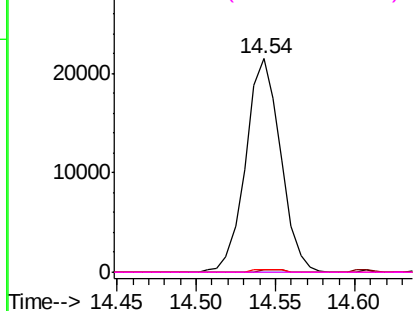


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

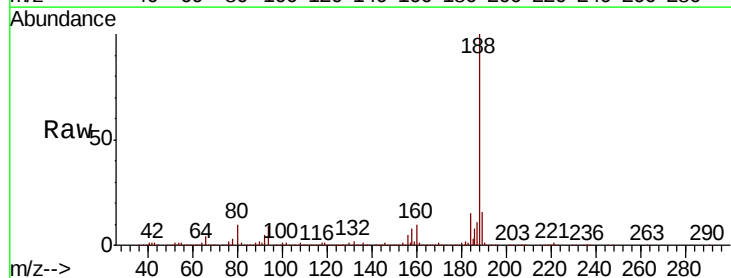
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.29 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG044430.D
 Acq: 13 Feb 2020 23:15

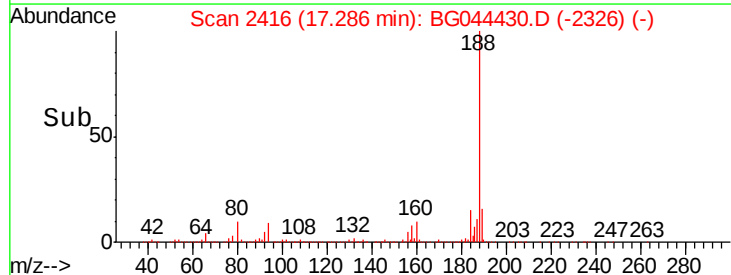
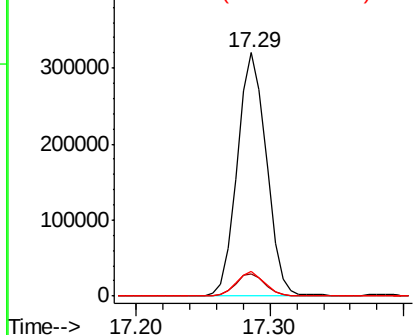
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.4	11.2
80	10.1	7.7	11.5

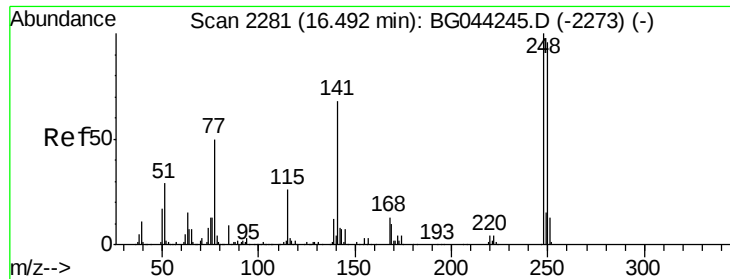


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

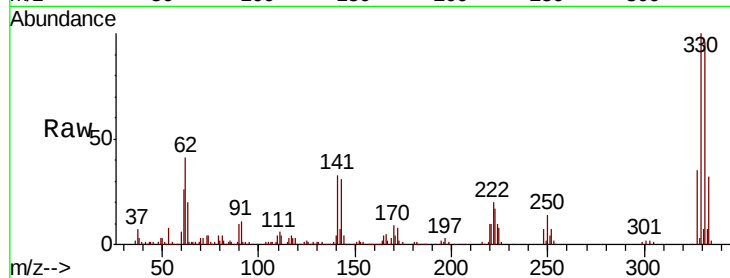




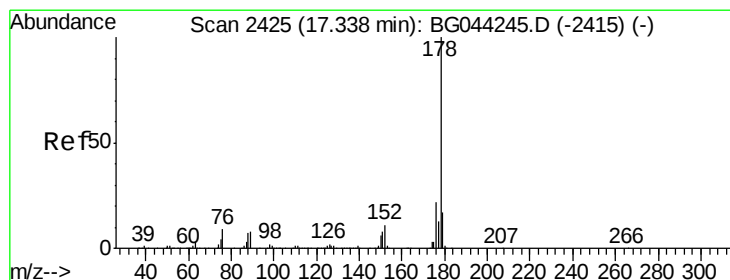
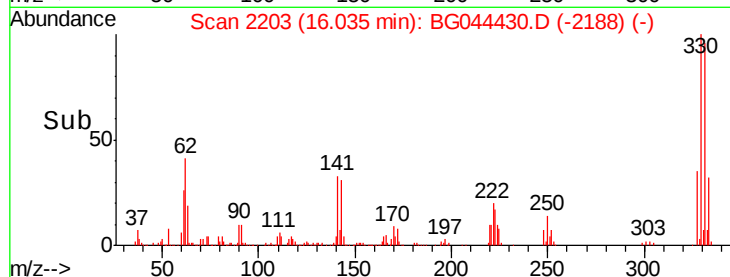
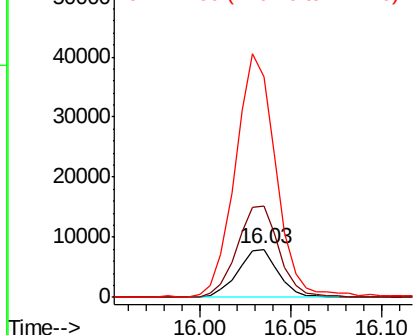
#67
 4-Bromophenyl-phenylether
 Concen: 2.321 ng
 RT: 16.03 min Scan# 2203
 Delta R.T. -0.44 min
 Lab File: BG044430.D
 Acq: 13 Feb 2020 23:15

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 12249
 Ion Ratio Lower Upper
 248 100
 250 190.1 76.6 114.8#
 141 461.9 54.7 82.1#

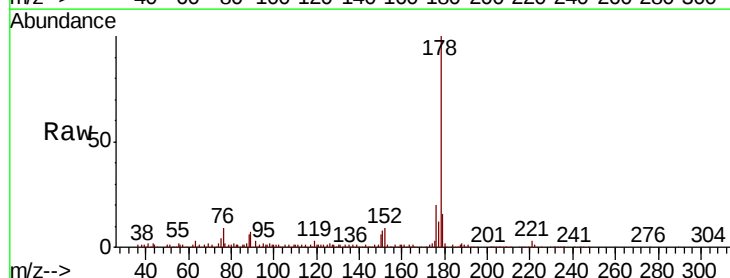


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

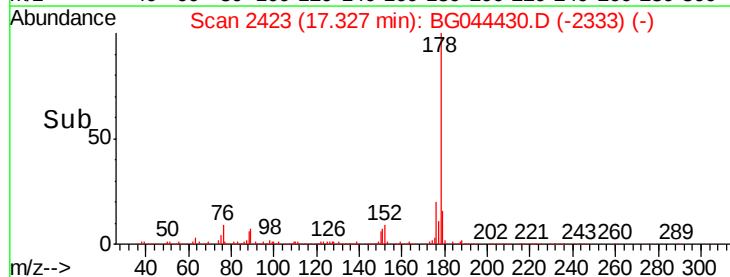
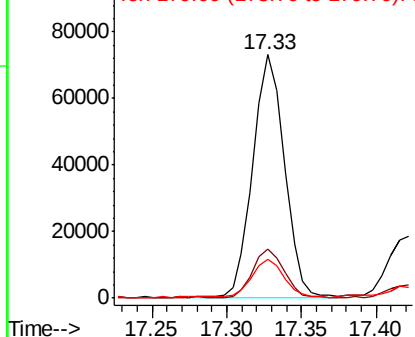


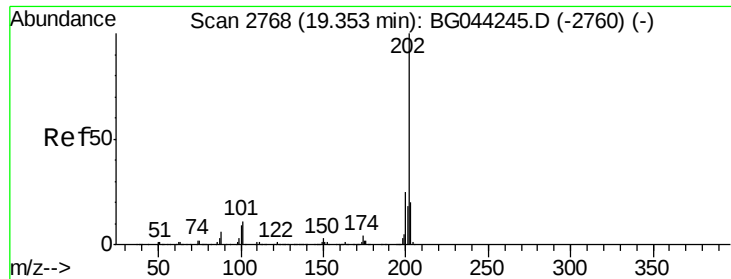
#71
 Phenanthrene
 Concen: 4.554 ng
 RT: 17.33 min Scan# 2423
 Delta R.T. -0.00 min
 Lab File: BG044430.D
 Acq: 13 Feb 2020 23:15

Tgt Ion:178 Resp: 106809
 Ion Ratio Lower Upper
 178 100
 176 20.0 17.7 26.5
 179 16.0 13.7 20.5



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 9.132 ng

RT: 19.34 min Scan# 2766

Delta R.T. 0.00 min

Lab File: BG044430.D

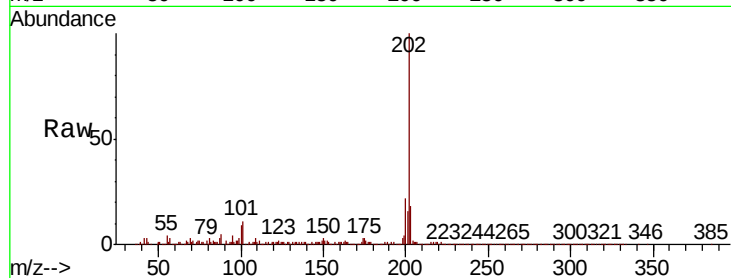
Acq: 13 Feb 2020 23:15

Instrument :

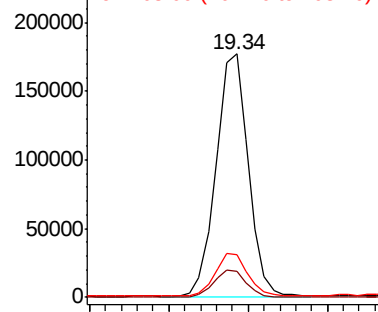
BNA_G

ClientSampleId :

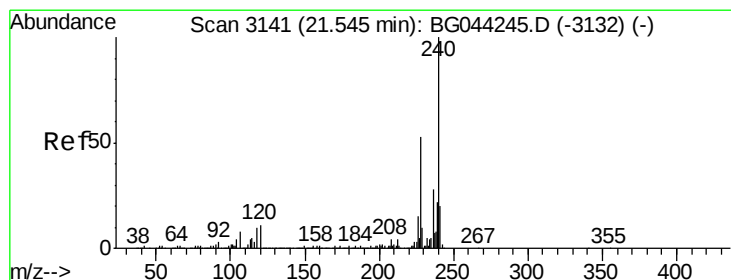
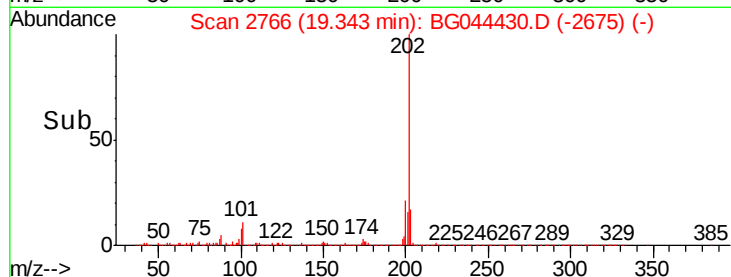
Tot Ion:	202	Resp:	247771
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.3
203	17.7	0.0	39.9



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



Time--> 19.25 19.30 19.35 19.40



#76

Chrysene-d12

Concen: 20.000 ng

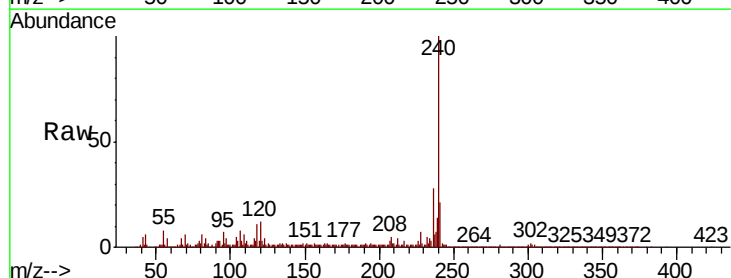
RT: 21.53 min Scan# 3139

Delta R.T. -0.00 min

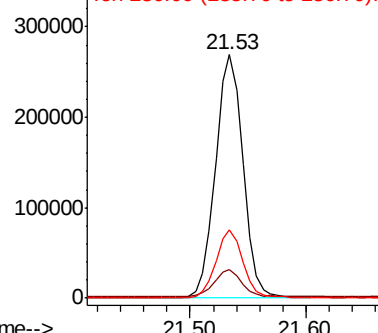
Lab File: BG044430.D

Acq: 13 Feb 2020 23:15

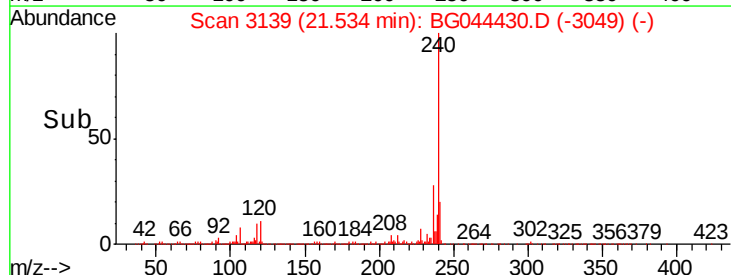
Tgt Ion:	240	Resp:	443519
Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.4	12.6
236	28.1	22.1	33.1

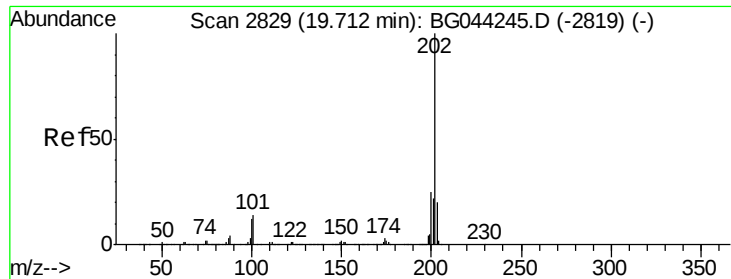


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time--> 21.50 21.60

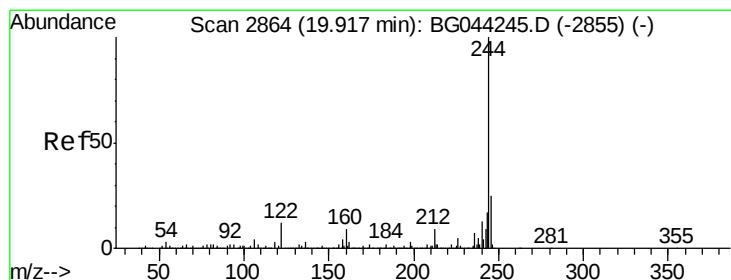
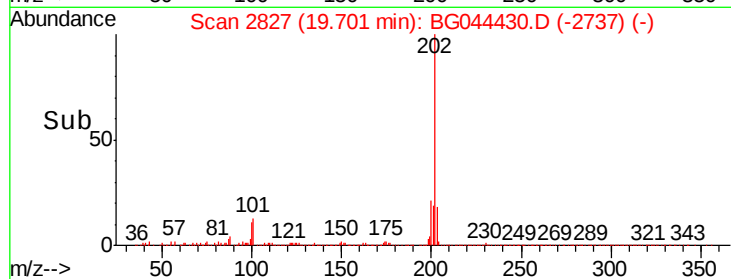
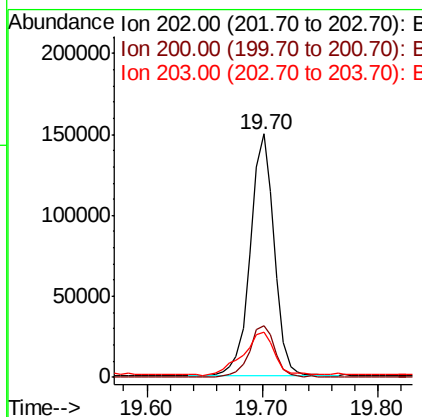
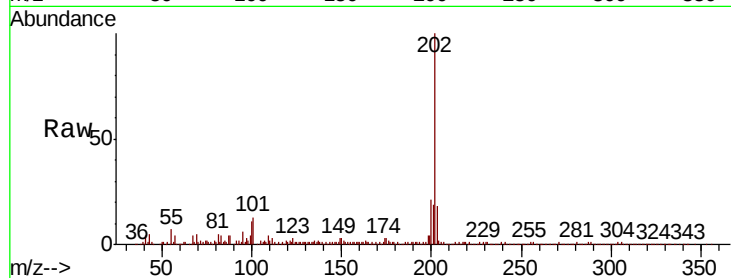




#78
Pvrene
Concen: 7.583 ng
RT: 19.70 min Scan# 2827
Delta R.T. -0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

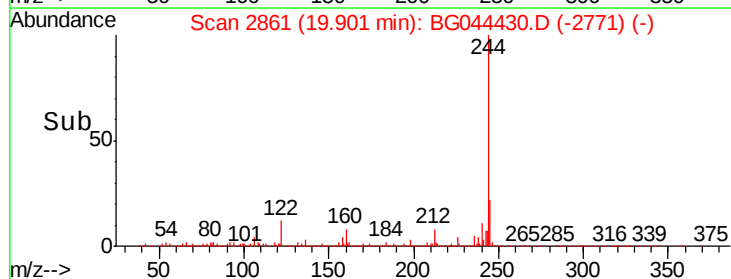
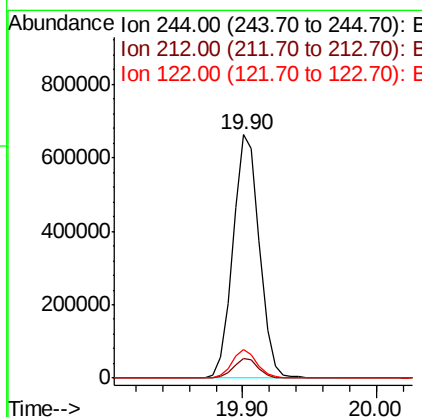
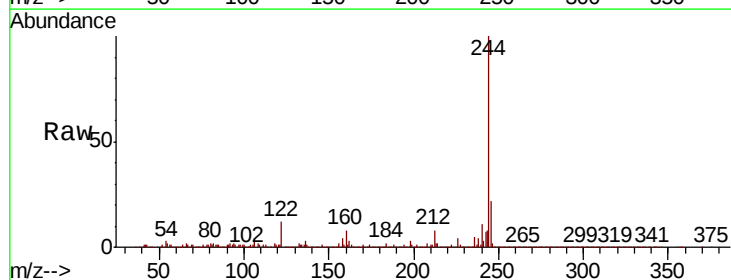
Instrument :
BNA_G
ClientSampleId :

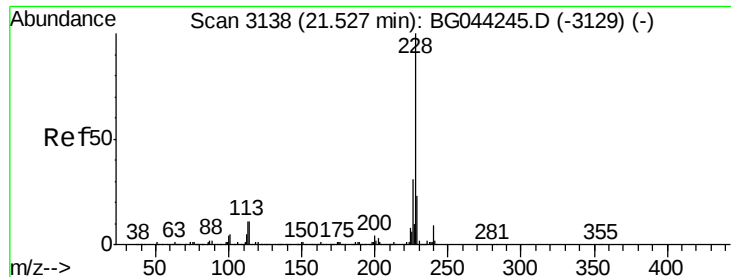
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	20.0	30.0
203	18.4	16.2	24.2



#79
Terphenyl-d14
Concen: 42.069 ng
RT: 19.90 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.4	11.2
122	12.0	9.8	14.6

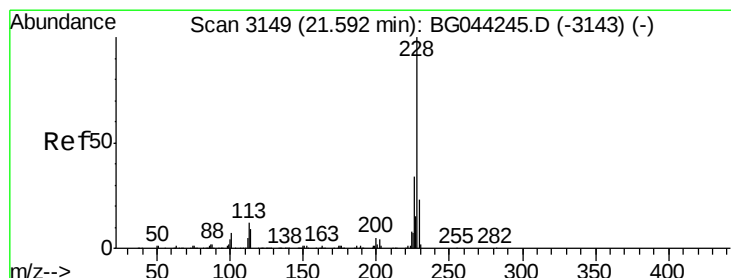
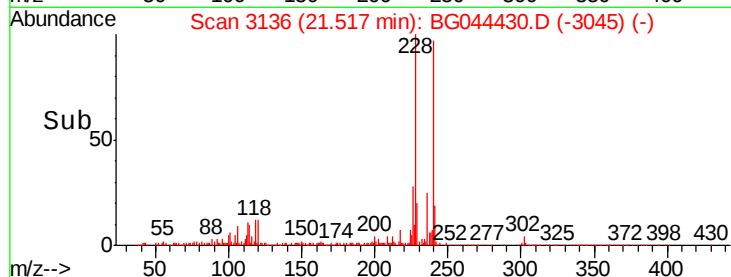
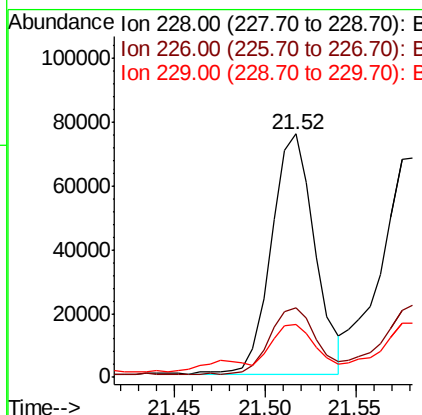
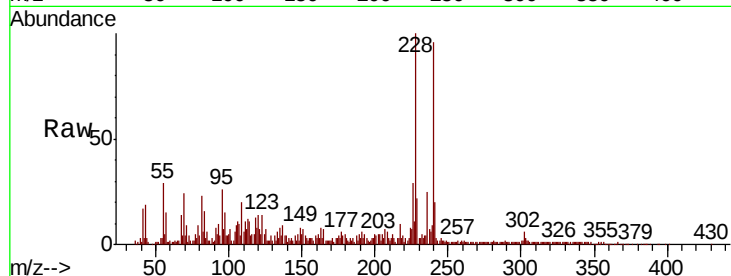




#81
Benzo(a)anthracene
Concen: 4.588 ng
RT: 21.52 min Scan# 3136
Delta R.T. 0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

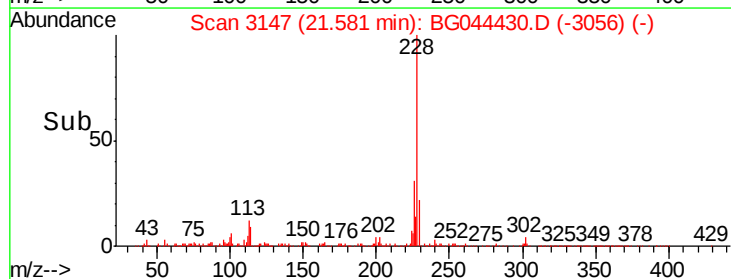
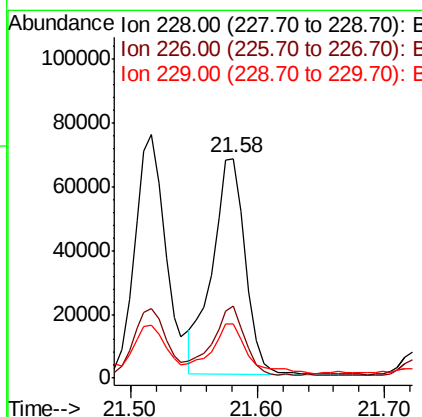
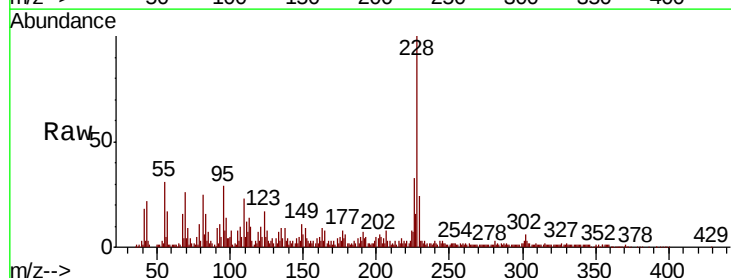
Instrument :
BNA_G
ClientSampleId :

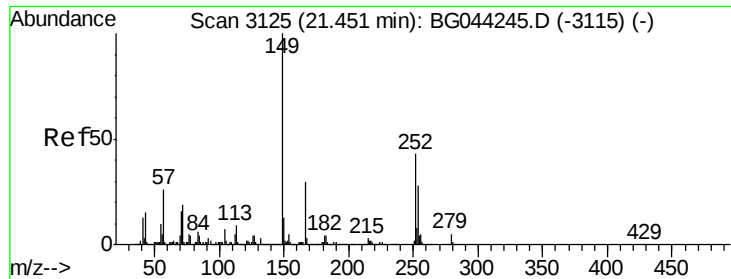
Tot Ion:228 Resp: 125401
Ion Ratio Lower Upper
228 100
226 28.5 24.7 37.1
229 21.6 18.2 27.4



#83
Chrysene
Concen: 4.682 ng
RT: 21.58 min Scan# 3147
Delta R.T. 0.00 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Tgt Ion:228 Resp: 123701
Ion Ratio Lower Upper
228 100
226 32.7 27.1 40.7
229 24.3 17.9 26.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 9.083 ng

RT: 21.44 min Scan# 3123

Delta R.T. 0.00 min

Lab File: BG044430.D

Acq: 13 Feb 2020 23:15

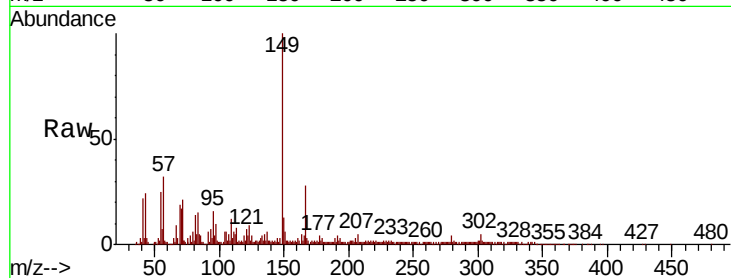
Instrument :

BNA_G

ClientSampleId :

Tot Ion:149 Resp: 162267

Ion	Ratio	Lower	Upper
149	100		
167	27.7	24.0	36.0
279	4.3	3.8	5.8

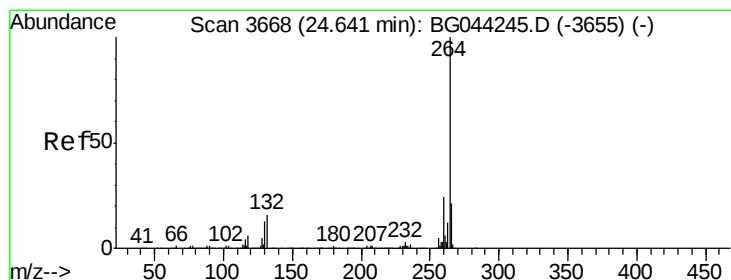
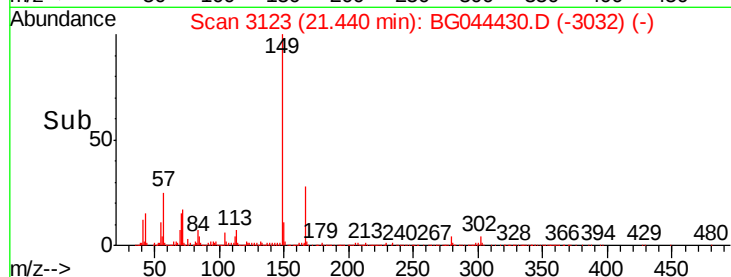
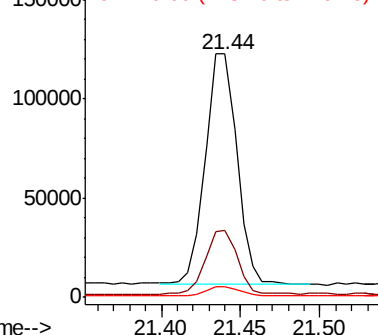


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.64 min Scan# 3667

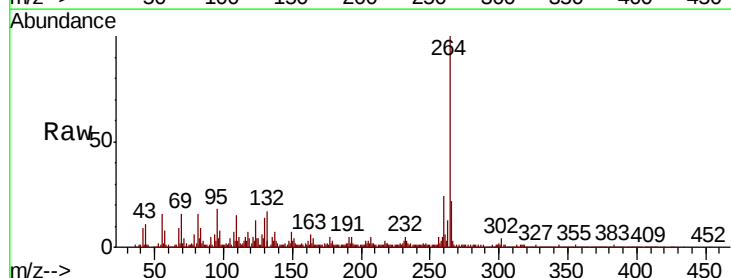
Delta R.T. 0.02 min

Lab File: BG044430.D

Acq: 13 Feb 2020 23:15

Tgt Ion:264 Resp: 470019

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	21.9	16.7	25.1

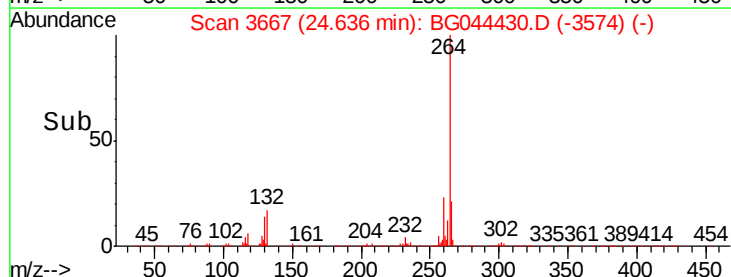
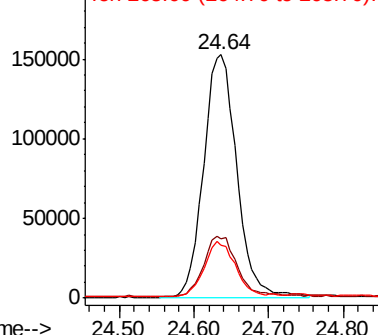


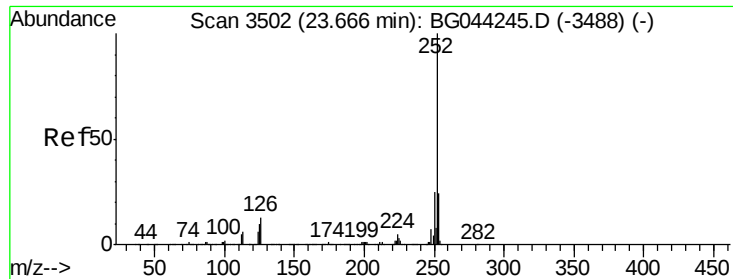
Abundance

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: 5.860 ng

RT: 23.66 min Scan# 3501

Delta R.T. 0.02 min

Lab File: BG044430.D

Acq: 13 Feb 2020 23:15

Instrument :

BNA_G

ClientSampleId :

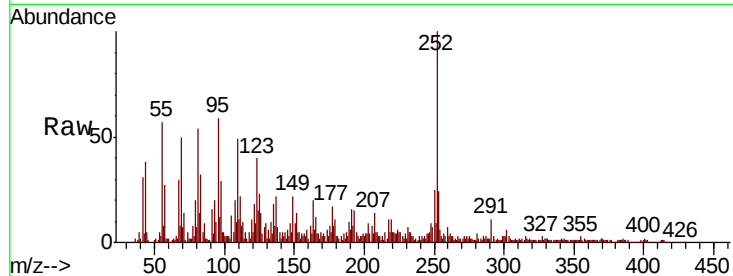
Tot Ion:252 Resp: 158715

Ion Ratio Lower Upper

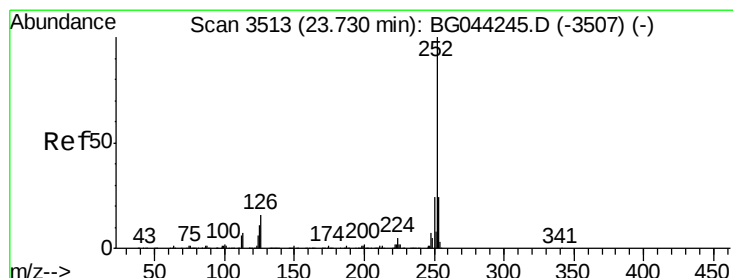
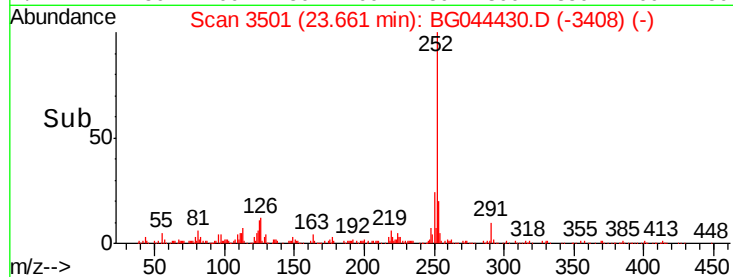
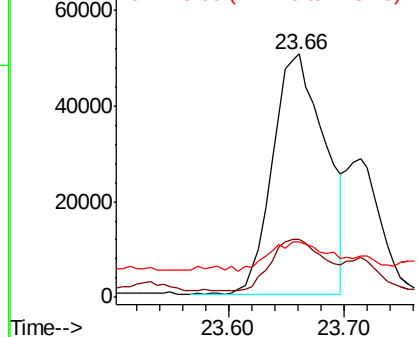
252 100

253 23.6 19.2 28.8

125 23.0 8.4 12.6#



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



#89

Benzo(k)fluoranthene

Concen: 6.013 ng

RT: 23.66 min Scan# 3501

Delta R.T. -0.05 min

Lab File: BG044430.D

Acq: 13 Feb 2020 23:15

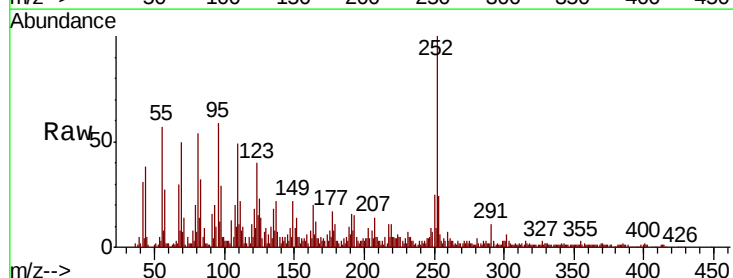
Tgt Ion:252 Resp: 158715

Ion Ratio Lower Upper

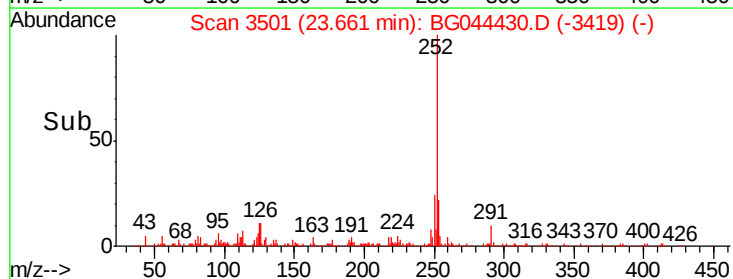
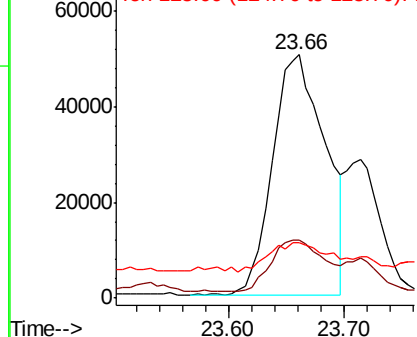
252 100

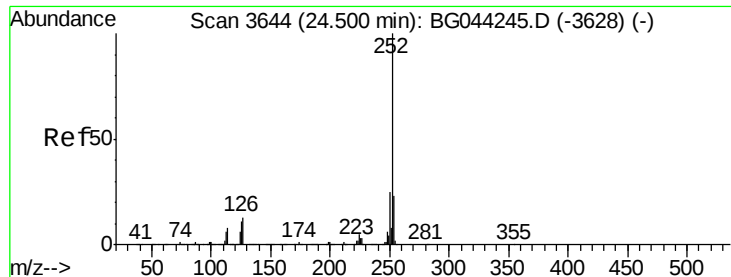
253 23.6 19.1 28.7

125 23.0 8.6 12.8#



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

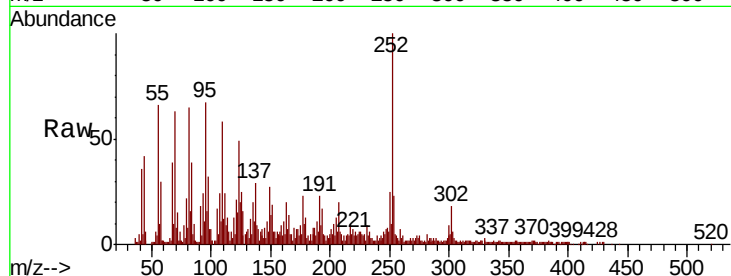




#90
Benzo(a)pyrene
Concen: 4.236 ng
RT: 24.48 min Scan# 3641
Delta R.T. 0.01 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	24.5	8.6	13.0

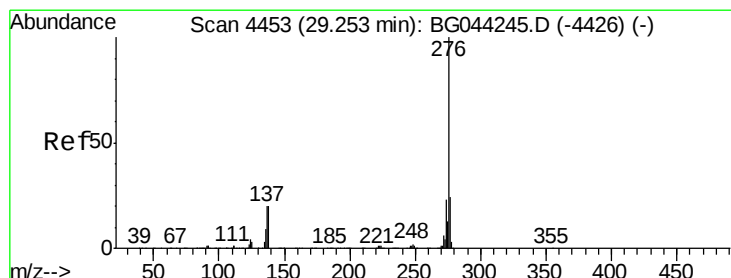
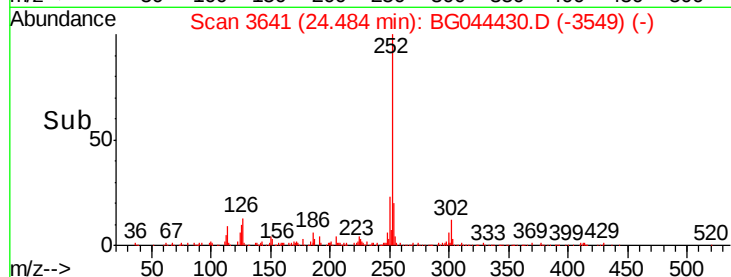
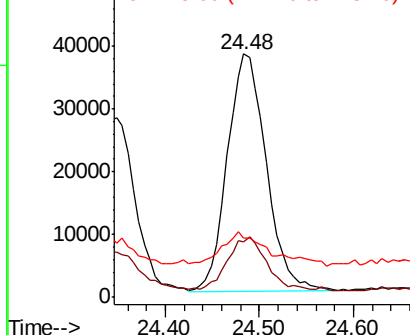


Abundance

Ion 252.00 (251.70 to 252.70): E

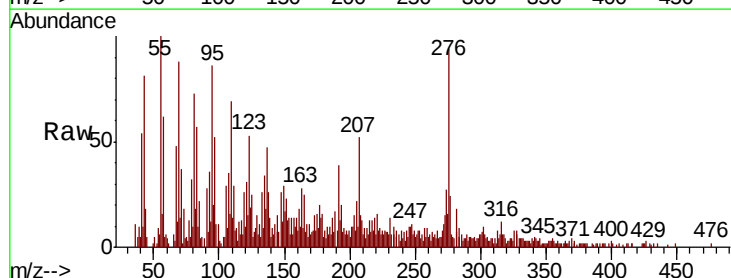
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.083 ng
RT: 29.22 min Scan# 4447
Delta R.T. 0.02 min
Lab File: BG044430.D
Acq: 13 Feb 2020 23:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.8	28.2
138	27.8	16.2	24.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

