

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121120\
 Data File : BG047727.D
 Acq On : 11 Dec 2020 23:51
 Operator : CG/JU
 Sample : PB133360BL
 Misc : ME-SOIL-BL-03
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 SBLK360

Manual Integrations
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Quant Time: Dec 12 01:02:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG121120.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 11 23:58:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	13075	20.00	ng/ul	0.00
20) Naphthalene-d8	11.03	136	53631	20.00	ng/ul	0.00
38) Acenaphthene-d10	14.83	164	38159	20.00	ng/ul	0.00
64) Phenanthrene-d10	17.66	188	167249	20.00	ng/ul	0.09
79) Chrysene-d12	21.84	240	84502m	20.00	ng/ul	0.00
88) Perylene-d12	25.19	264	87223	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.52	96	1831	6.16	ng/uL	0.00
4) Pyridine-d5	3.96	84	30718m	36.41	ng/ul	0.00
7) Phenol-d5	7.34	99	47184	43.01	ng/ul	0.00
9) Bis-(2-Chloroethyl)ether-d	7.52	67	30641	53.02	ng/ul	0.00
11) 2-Chlorophenol-d4	7.73	132	37496	45.21	ng/ul	0.00
15) 4-Methylphenol-d8	8.90	113	38861	46.59	ng/ul	0.00
21) Nitrobenzene-d5	9.37	128	18954	42.00	ng/ul	0.00
24) 2-Nitrophenol-d4	10.10	143	21615	42.08	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.64	165	39702	36.59	ng/ul	0.00
31) 4-Chloroaniline-d4	11.16	131	46645	36.94	ng/ul	0.00
46) Dimethylphthalate-d6	14.22	166	127238	40.40	ng/ul	0.00
49) Acenaphthylene-d8	14.52	160	139043	38.61	ng/ul	0.00
54) 4-Nitrophenol-d4	14.99	143	14436	30.10	ng/ul	0.00
60) Fluorene-d10	15.81	176	106461	36.21	ng/ul	0.00
65) 4,6-Dinitro-2-methylphenol	15.92	200	19460m	17.00	ng/ul	0.00
73) Anthracene-d10	17.66	188	166989	20.54	ng/ul	0.00
81) Pyrene-d10	19.93	212	190271	41.60	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.96	264	194714	39.78	ng/ul	-0.01

Target Compounds

					Ovalue	
30) Naphthalene	11.08	128	3299	1.113	ng/ul#	92
36) 2-Methylnaphthalene	12.67	142	2590	1.158	ng/ul	82
39) 1,2,4,5-Tetrachlorobenzene	13.03	216	2762	1.758	ng/ul#	88
43) 1,1'-Biphenyl	13.66	154	3843	1.304	ng/ul#	70
50) Acenaphthylene	14.56	152	4437	1.308	ng/ul#	94
52) Acenaphthene	14.89	153	3353	1.390	ng/ul#	81
56) Dibenzofuran	15.22	168	5248	1.502	ng/ul#	81
58) 2,3,4,6-Tetrachlorophenol	15.46	232	971	1.051	ng/ul#	90
59) Diethylphthalate	15.62	149	2740	0.858	ng/ul#	87
61) Fluorene	15.87	166	4595	1.530	ng/ul	89
62) 4-Chlorophenyl-phenylether	15.85	204	3744	1.994	ng/ul#	70
67) N-Nitrosodiphenylamine	16.07	169	3247	0.698	ng/ul#	73
72) Phenanthrene	17.61	178	8759m	0.964	ng/ul	
74) Anthracene	17.69	178	9370	1.033	ng/ul	94
77) Carbazole	17.95	167	4185m	0.566	ng/ul	
78) Di-n-butylphthalate	18.50	149	3684	0.406	ng/ul#	88
80) Fluoranthene	19.59	202	8443m	1.458	ng/ul	
82) Pyrene	19.96	202	9540	1.668	ng/ul#	95
85) Benzo(a)anthracene	21.81	228	7853m	1.317	ng/ul	
87) Chrysene	21.89	228	6914	1.222	ng/ul	95
90) Benzo(b)fluoranthene	24.12	252	6432m	1.055	ng/ul	
91) Benzo(k)fluoranthene	24.18	252	5894m	0.979	ng/ul	

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QLast Update : Fri Dec 11 23:58:58 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

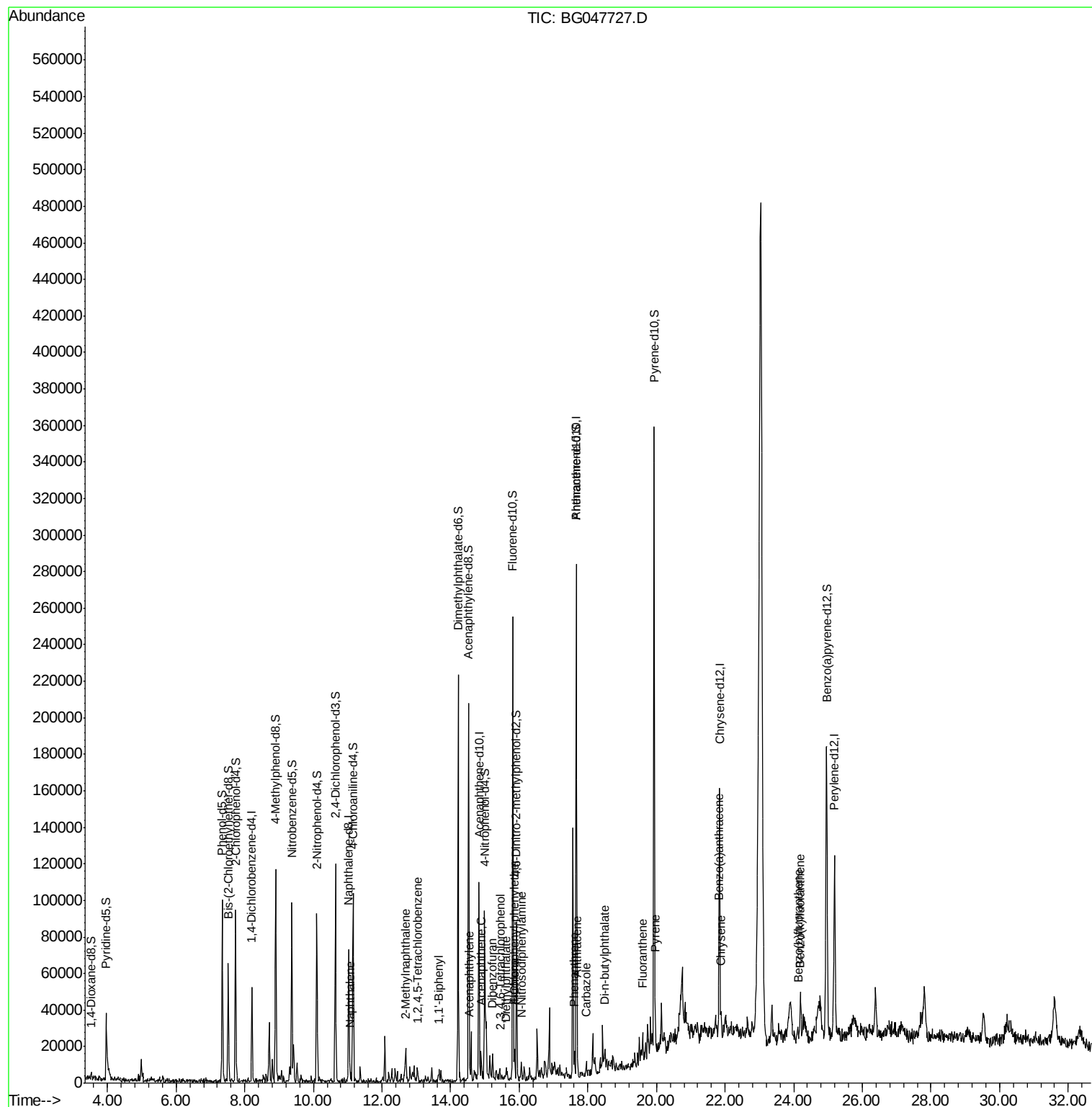
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121120\
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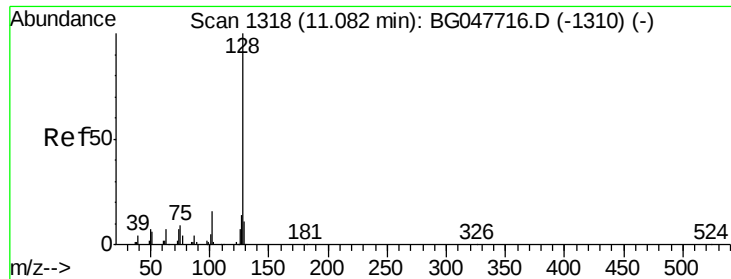
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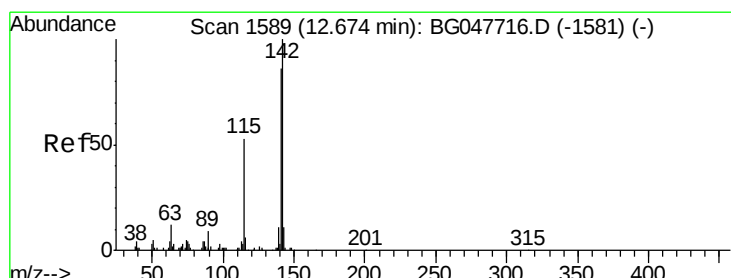
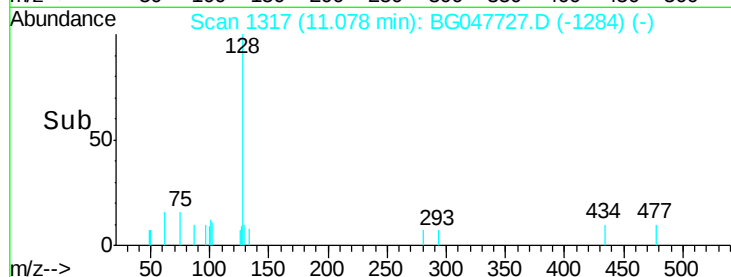
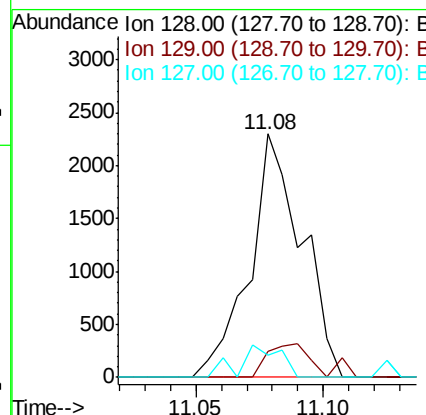
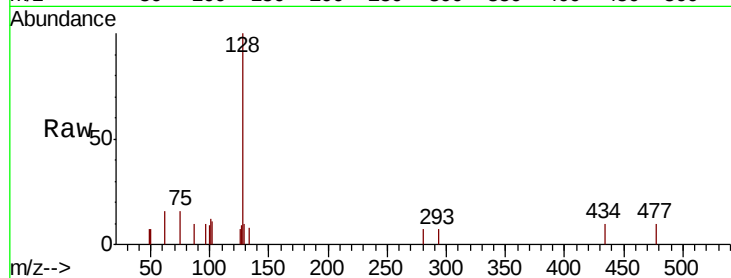
#30
Naphthalene
Concen: 1.113 ng/ul
RT: 11.08 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BG047727.D
Acq: 11 Dec 2020 23:51

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.3	13.9
127	8.9	11.1	16.7

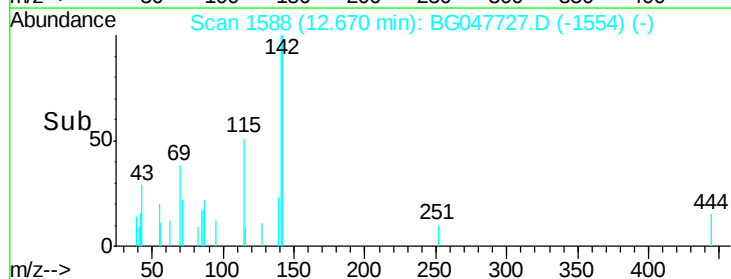
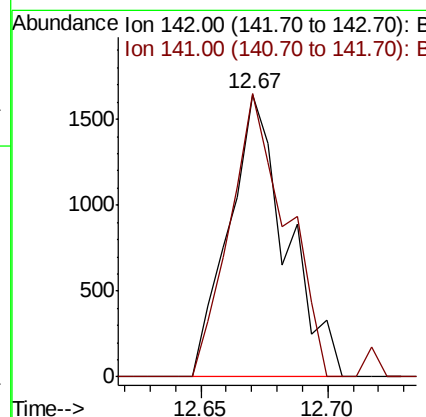
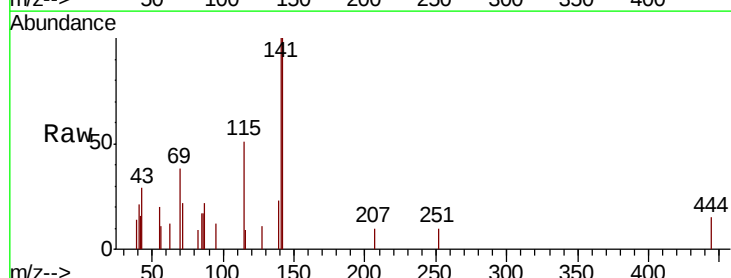
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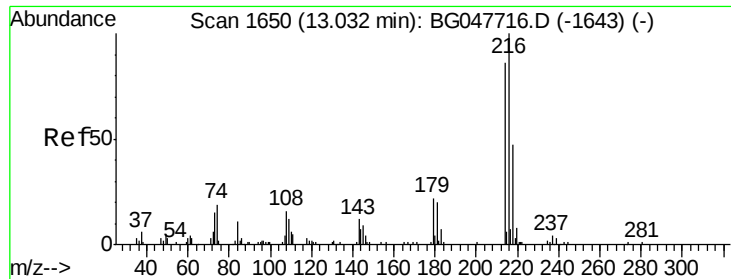
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#36
2-Methylnaphthalene
Concen: 1.158 ng/ul
RT: 12.67 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BG047727.D
Acq: 11 Dec 2020 23:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	100.2	67.0	100.6





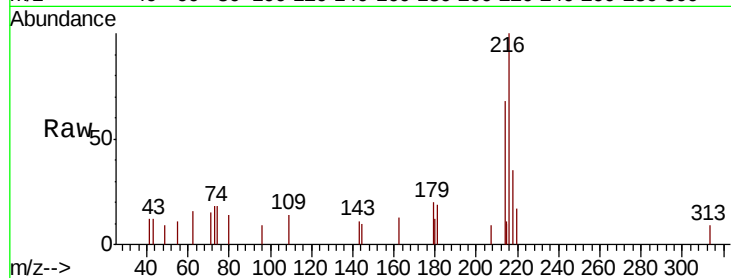
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.758 ng/ul
 RT: 13.03 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: BG047727.D
 Acq: 11 Dec 2020 23:51

Instrument :
 BNA_G
 ClientSampleId :
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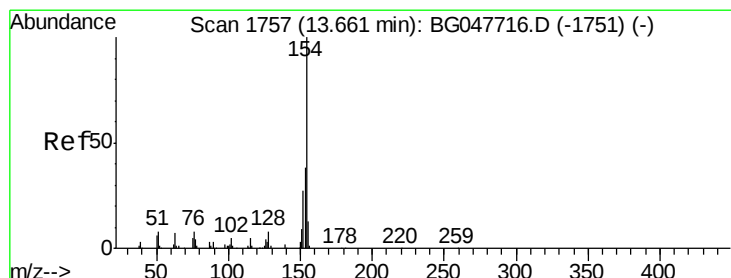
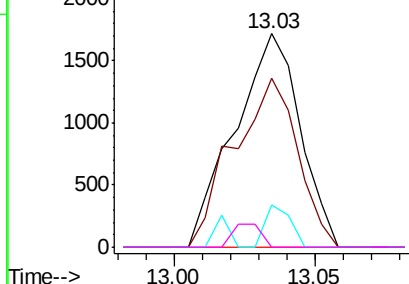
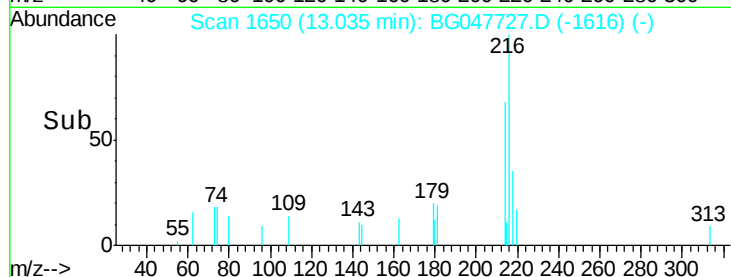
Tot Ion:	216	Resp:	2762
Ion Ratio	Lower	Upper	
216	100		
214	79.2	69.7	104.5
179	20.0	15.2	22.8
108	0.0	13.8	20.6#

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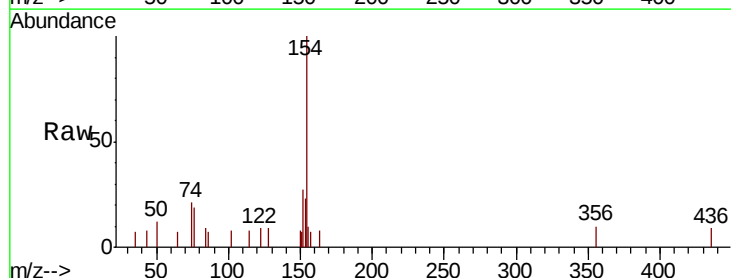


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

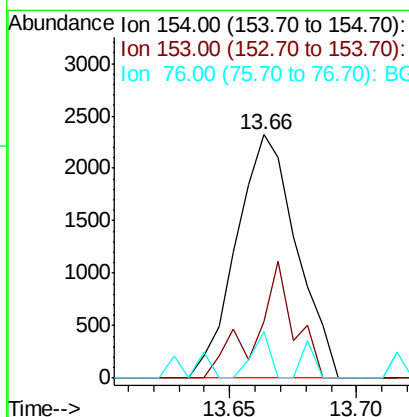
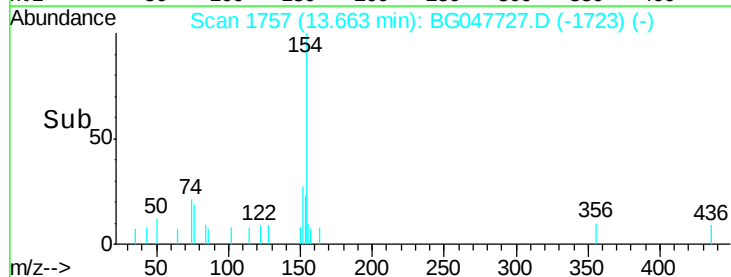


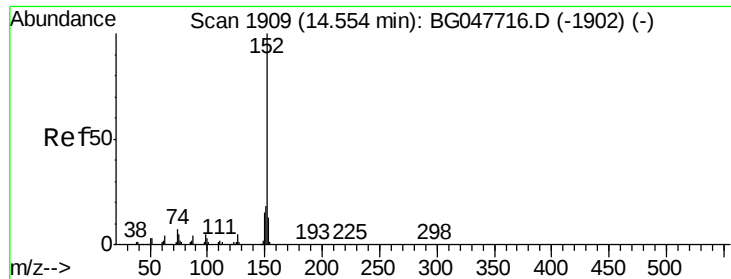
#43
 1,1'-Biphenyl
 Concen: 1.304 ng/ul
 RT: 13.66 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: BG047727.D
 Acq: 11 Dec 2020 23:51

Tgt Ion:	154	Resp:	3843
Ion Ratio	Lower	Upper	
154	100		
153	23.1	33.8	50.6#
76	19.3	7.5	11.3#



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BG





#50

Acenaphthylene

Concen: 1.308 ng/ul

RT: 14.56 min Scan# 1909

Delta R.T. 0.01 min

Lab File: BG047727.D

Acq: 11 Dec 2020 23:51

Instrument :

BNA_G

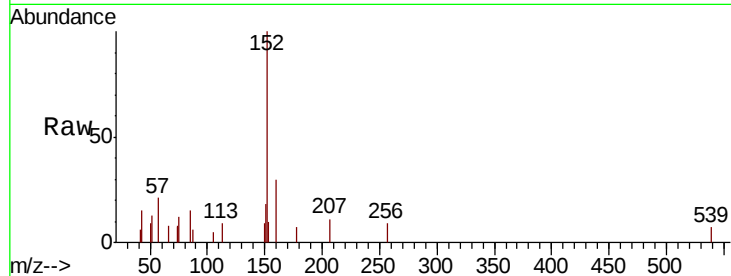
ClientSampleId :

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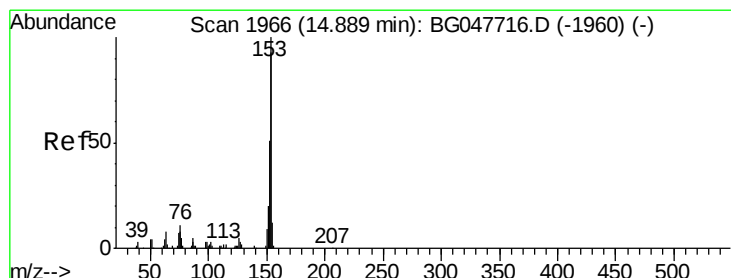
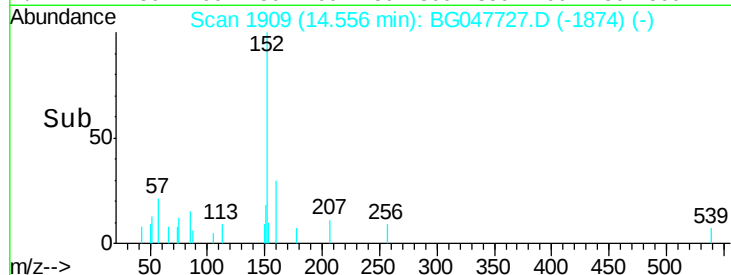
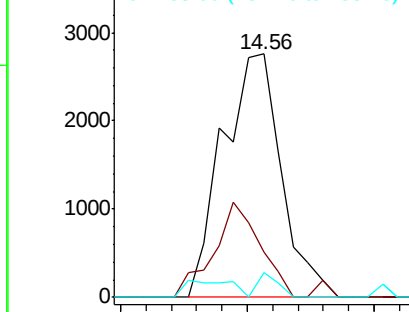
Tot Ion:	152	Resp:	4437
Ion Ratio	Lower	Upper	
152	100		
151	18.5	15.3	22.9
153	9.9	11.7	17.5#

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#52

Acenaphthene

Concen: 1.390 ng/ul

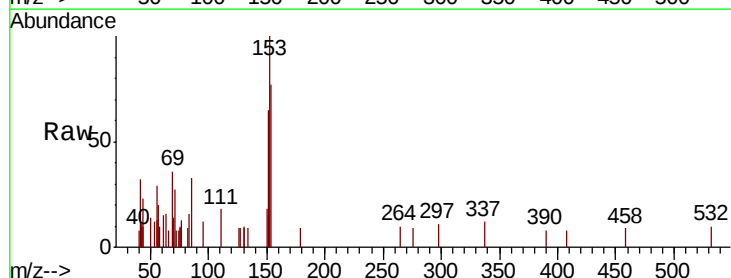
RT: 14.89 min Scan# 1966

Delta R.T. 0.00 min

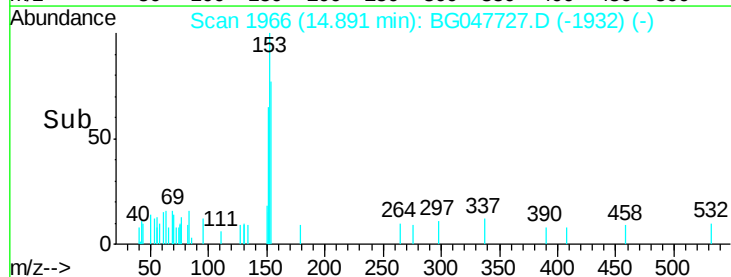
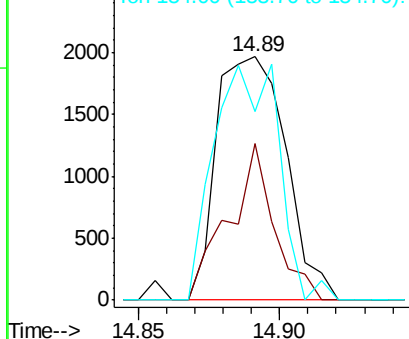
Lab File: BG047727.D

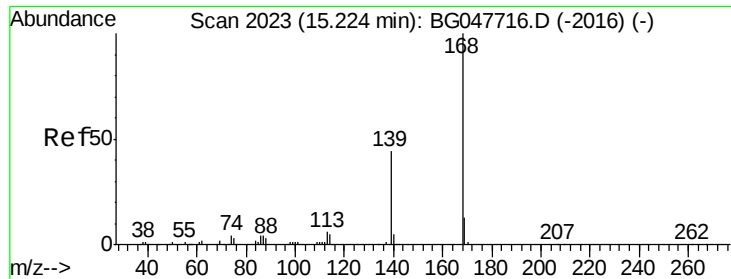
Acq: 11 Dec 2020 23:51

Tgt Ion:	153	Resp:	3353
Ion Ratio	Lower	Upper	
153	100		
152	64.5	34.8	52.2#
154	77.4	71.2	106.8



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





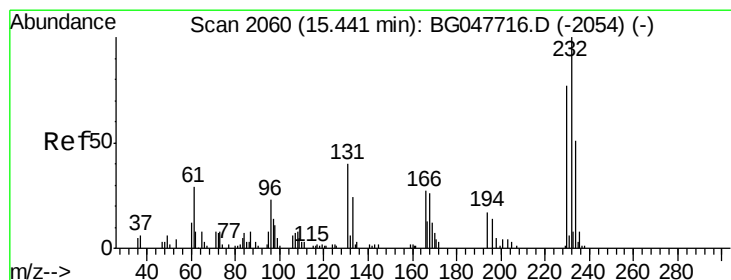
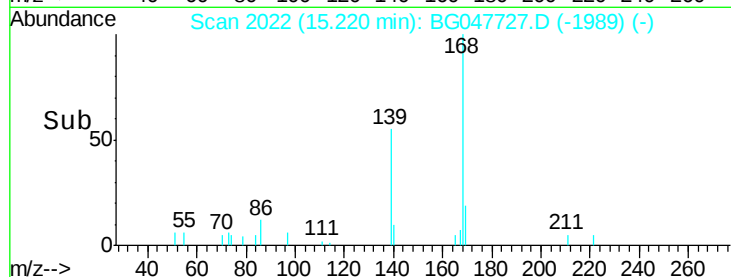
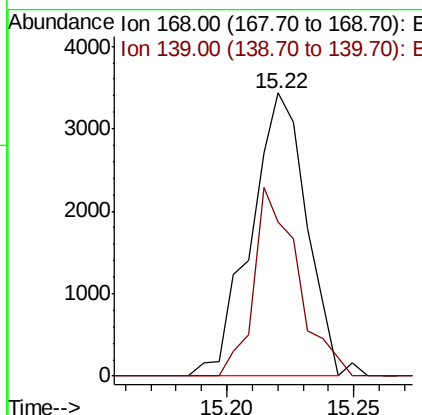
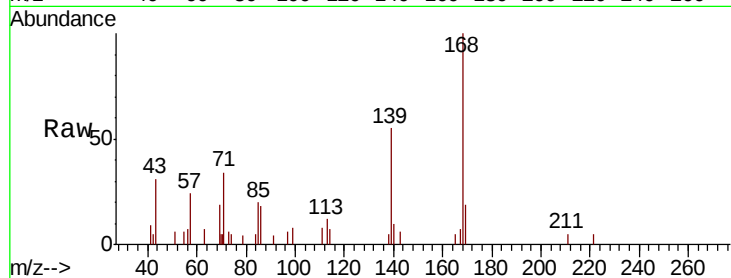
#56
Dibenzenofuran
Concen: 1.502 ng/ul
RT: 15.22 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BG047727.D
Acq: 11 Dec 2020 23:51

Instrument :
BNA_G
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
168	100		
139	54.6	34.0	51.0#

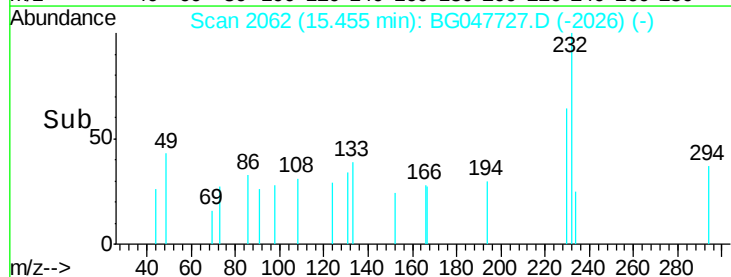
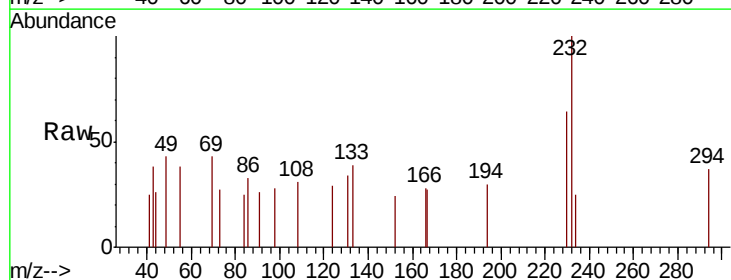
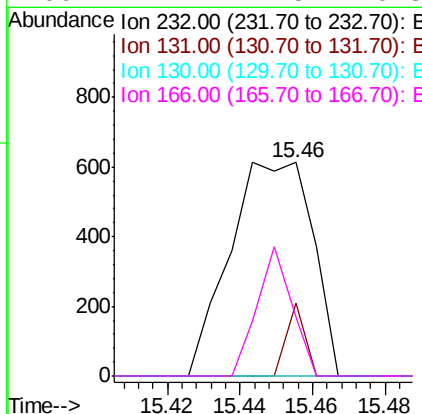
Manual Integrations
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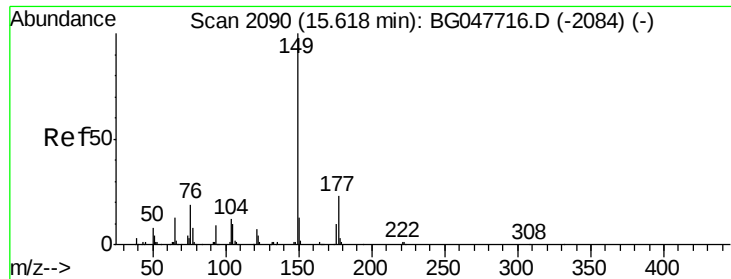
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#58
2,3,4,6-Tetrachlorophenol
Concen: 1.051 ng/ul
RT: 15.46 min Scan# 2062
Delta R.T. 0.01 min
Lab File: BG047727.D
Acq: 11 Dec 2020 23:51

Tgt Ion	Ratio	Lower	Upper
232	100		
131	34.3	31.9	47.9
130	0.0	3.0	4.6#
166	27.7	17.5	26.3#





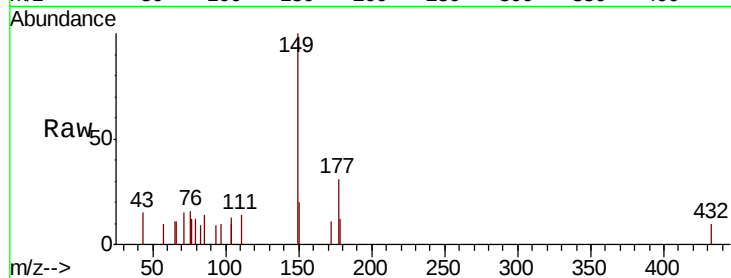
#59
Diethylphthalate
Concen: 0.858 ng/ul
RT: 15.62 min Scan# 2090
Delta R.T. 0.00 min
Lab File: BG047727.D
Acq: 11 Dec 2020 23:51

Instrument :
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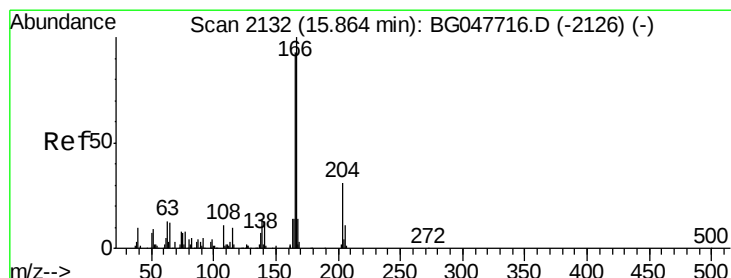
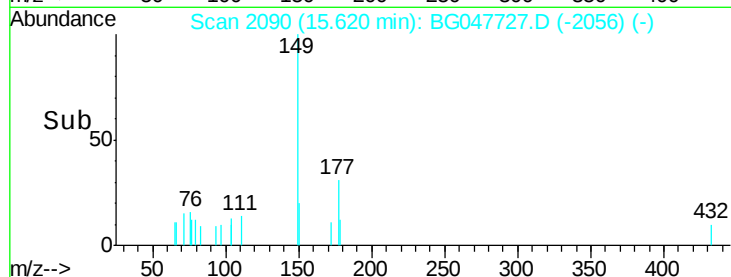
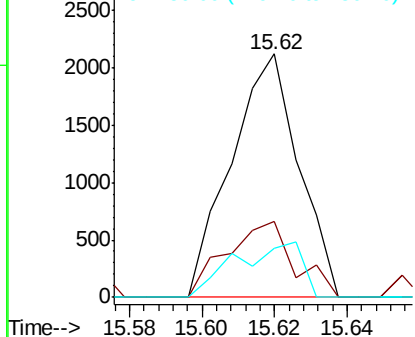
Tot Ion	Ratio	Lower	Upper
149	100		
177	31.4	20.6	31.0#
150	20.2	11.1	16.7#

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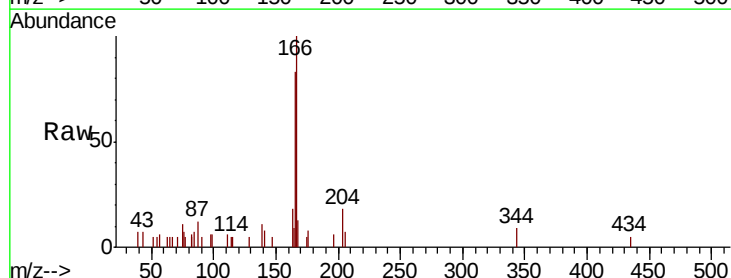


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

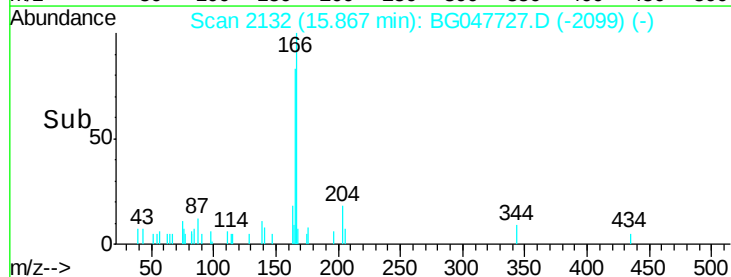
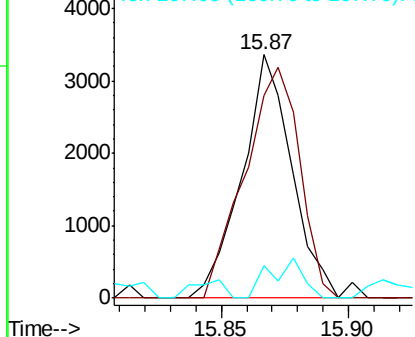


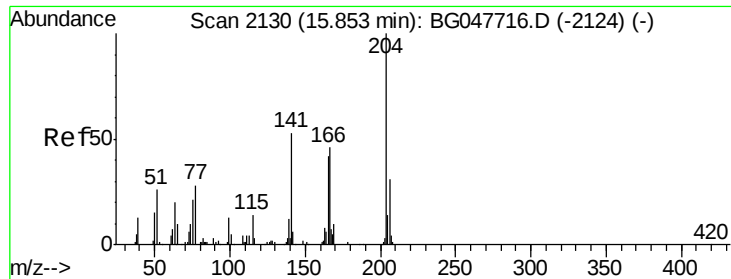
#61
Fluorene
Concen: 1.530 ng/ul
RT: 15.87 min Scan# 2132
Delta R.T. -0.01 min
Lab File: BG047727.D
Acq: 11 Dec 2020 23:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	83.2	75.4	113.2
167	13.2	12.3	18.5



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





#62

4-Chlorophenyl-phenylether

Concen: 1.994 ng/ul

RT: 15.85 min Scan# 2130

Delta R.T. 0.00 min

Lab File: BG047727.D

Acq: 11 Dec 2020 23:51

Instrument :

BNA_G

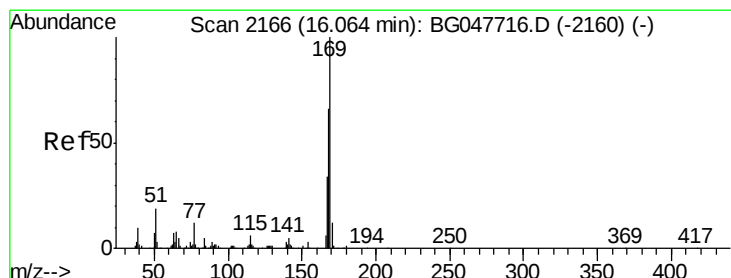
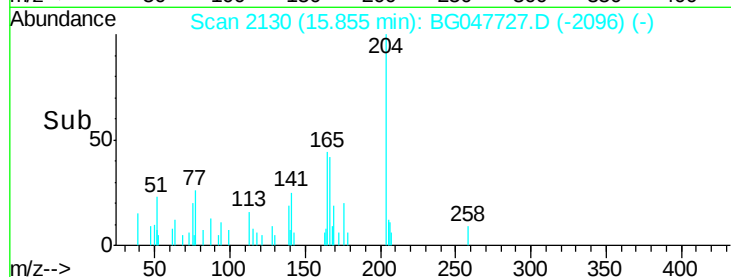
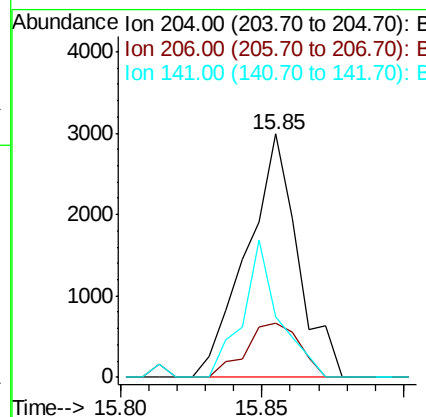
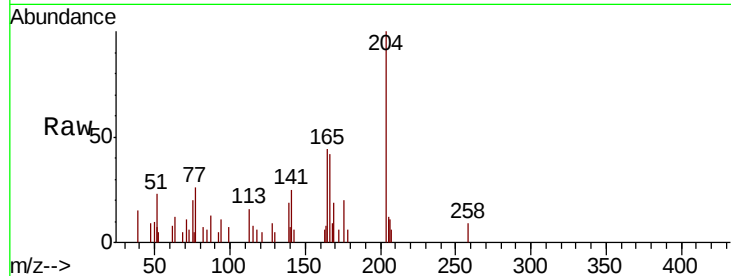
ClientSampleId :

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Tot Ion:	204	Resp:	3744
Ion Ratio	Lower	Upper	
204	100		
206	22.2	26.2	39.2#
141	25.1	40.9	61.3#

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#67

N-Nitrosodiphenylamine

Concen: 0.698 ng/ul

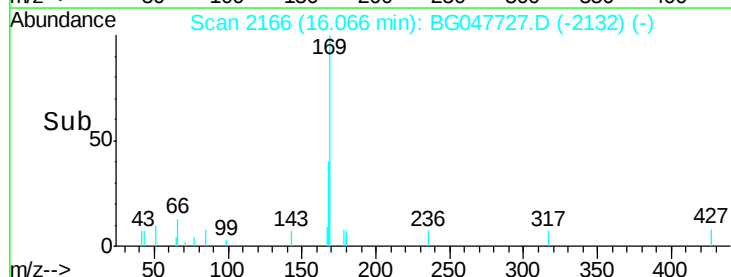
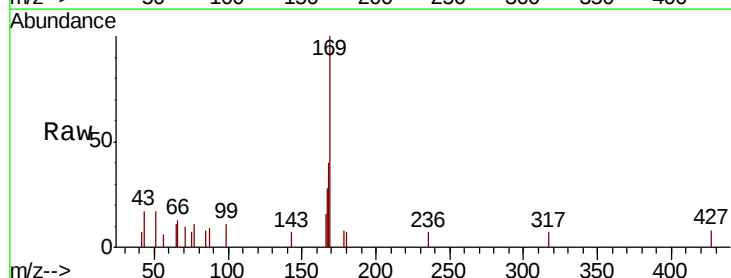
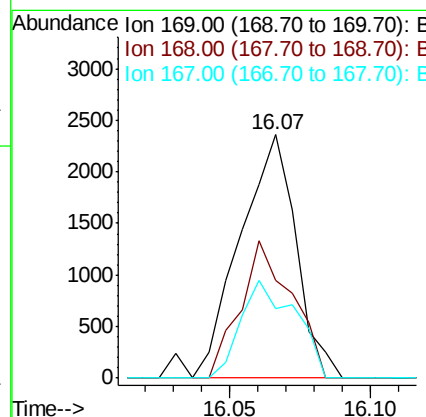
RT: 16.07 min Scan# 2166

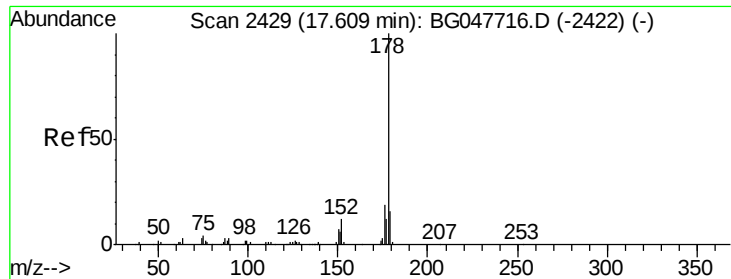
Delta R.T. 0.00 min

Lab File: BG047727.D

Acq: 11 Dec 2020 23:51

Tgt Ion:	169	Resp:	3247
Ion Ratio	Lower	Upper	
169	100		
168	40.3	53.8	80.8#
167	28.3	29.8	44.8#





#72

Phenanthrene

Concen: 0.964 ng/ul m

RT: 17.61 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BG047727.D

Acq: 11 Dec 2020 23:51

Instrument :

BNA_G

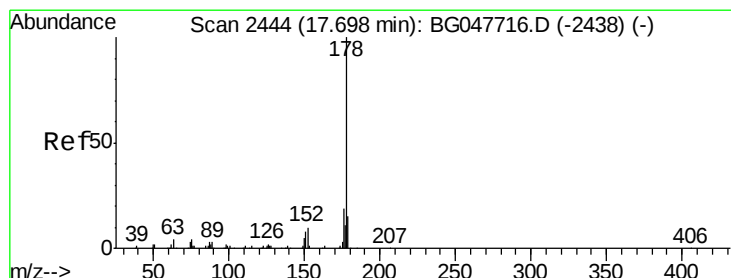
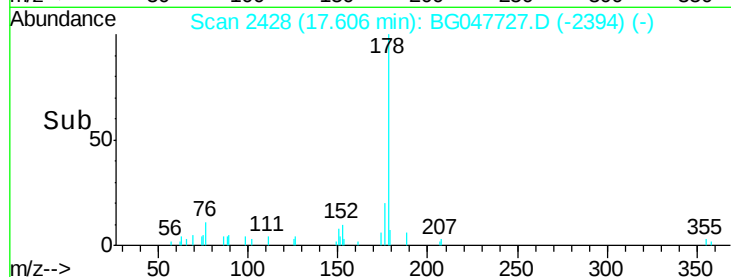
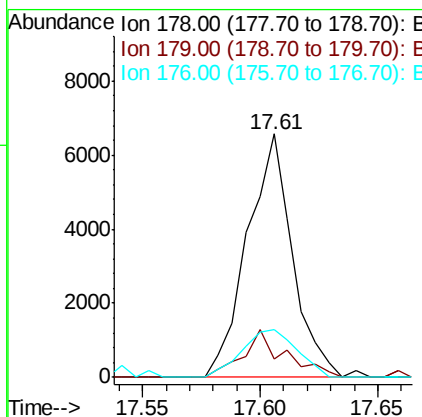
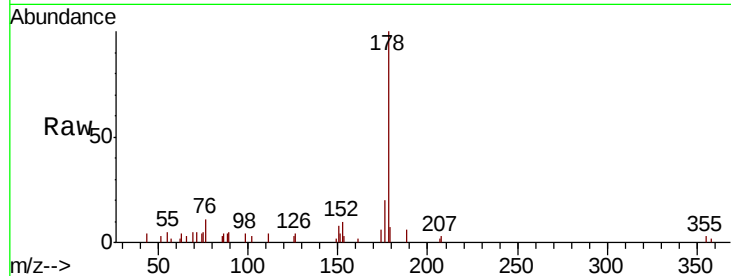
ClientSampleId :

SBLK360

Tot Ion	Ratio	Lower	Upper
178	100		
179	7.4	13.5	20.3#
176	19.6	15.3	22.9

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#74

Anthracene

Concen: 1.033 ng/ul

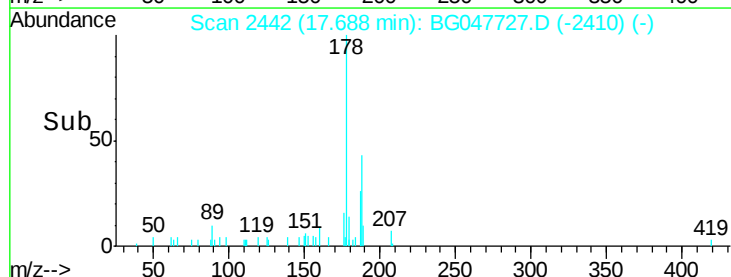
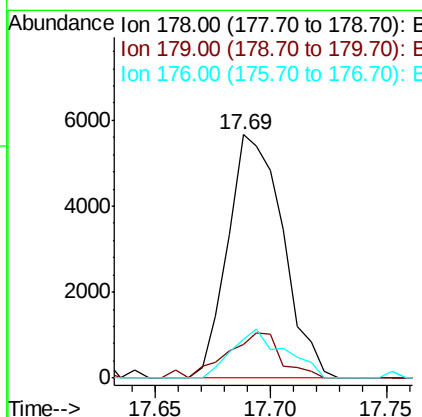
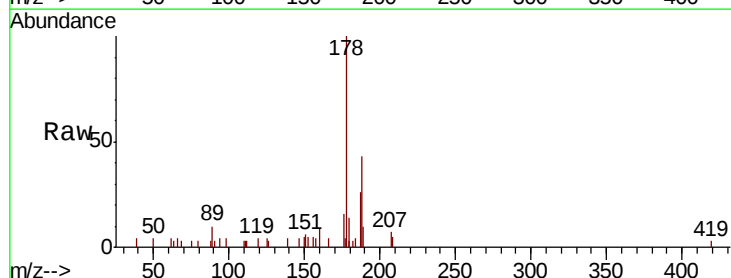
RT: 17.69 min Scan# 2442

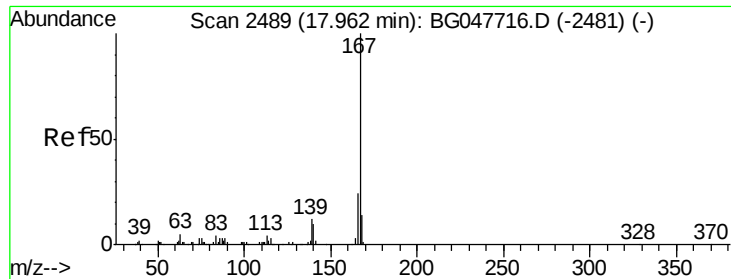
Delta R.T. -0.01 min

Lab File: BG047727.D

Acq: 11 Dec 2020 23:51

Tgt Ion	Ratio	Lower	Upper
178	100		
179	13.8	12.0	18.0
176	15.7	15.4	23.2





#77

Carbazole

Concen: 0.566 ng/ul m

RT: 17.95 min Scan# 2487

Delta R.T. -0.01 min

Lab File: BG047727.D

Acq: 11 Dec 2020 23:51

Instrument :

BNA_G

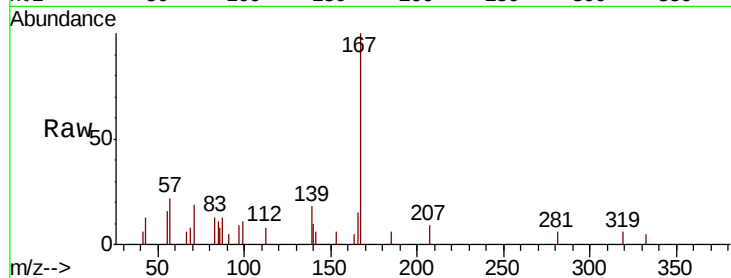
ClientSampleId :

SBLK360

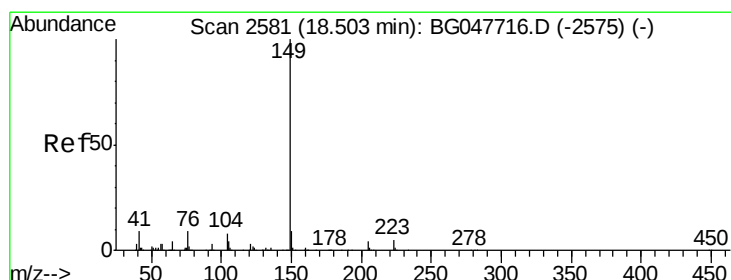
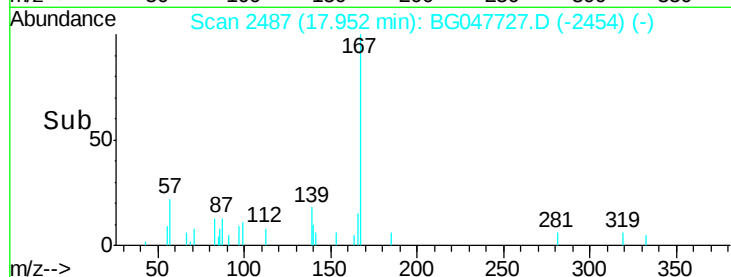
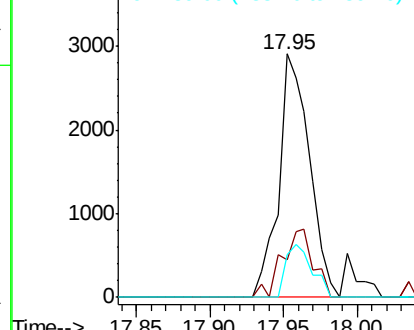
Tot Ion:	167	Resp:	4185
Ion Ratio	Lower	Upper	
167	100		
166	15.2	17.6	26.4#
139	17.6	10.2	15.2#

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#78

Di-n-butylphthalate

Concen: 0.406 ng/ul

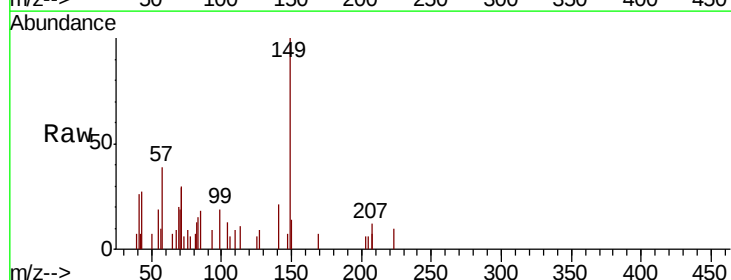
RT: 18.50 min Scan# 2580

Delta R.T. -0.01 min

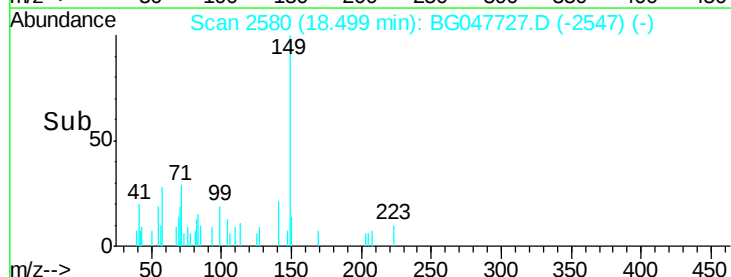
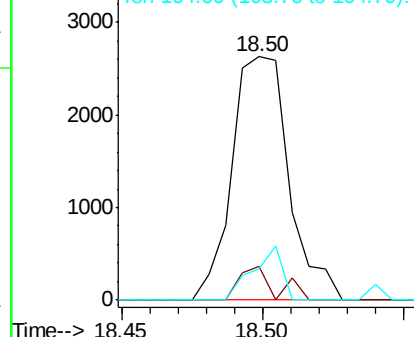
Lab File: BG047727.D

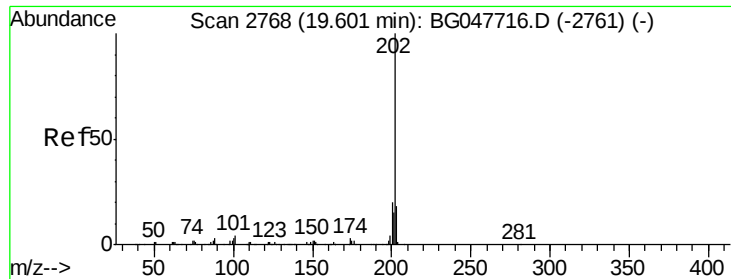
Acq: 11 Dec 2020 23:51

Tgt Ion:	149	Resp:	3684
Ion Ratio	Lower	Upper	
149	100		
150	13.6	7.3	10.9#
104	12.8	7.0	10.6#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





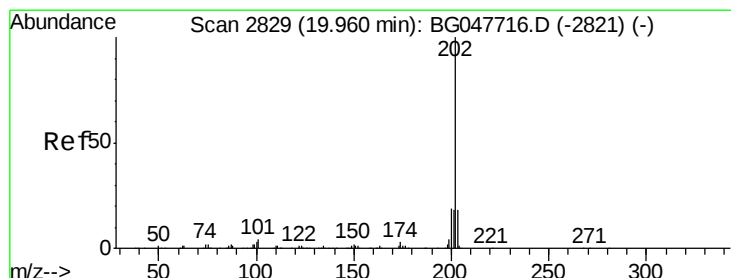
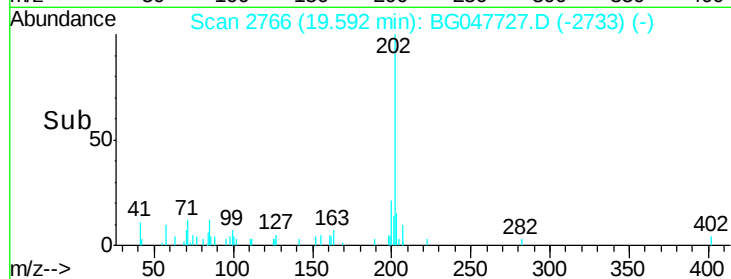
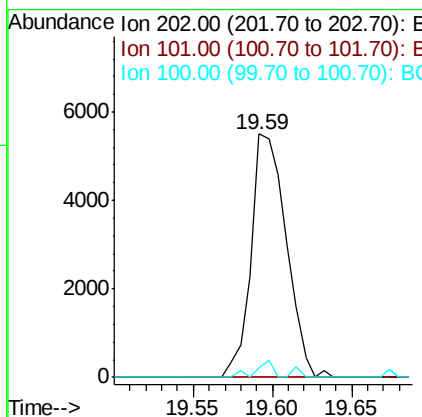
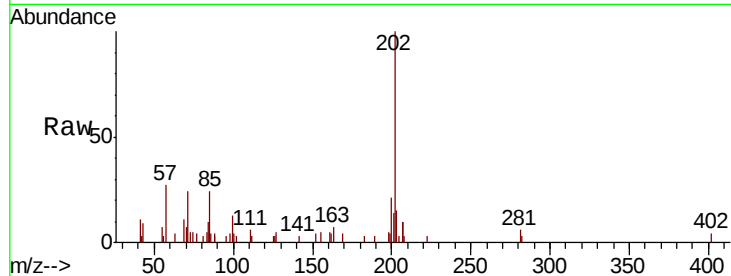
#80
Fluoranthene
Concen: 1.458 ng/ul m
RT: 19.59 min Scan# 2766
Delta R.T. -0.01 min
Lab File: BG047727.D
Acq: 11 Dec 2020 23:51

Instrument :
BNA_G
ClientSampleId :
SBLK360

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	3.3	2.8	4.2
100	3.8	2.3	3.5#

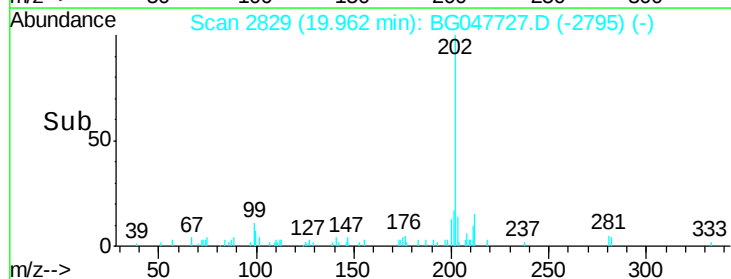
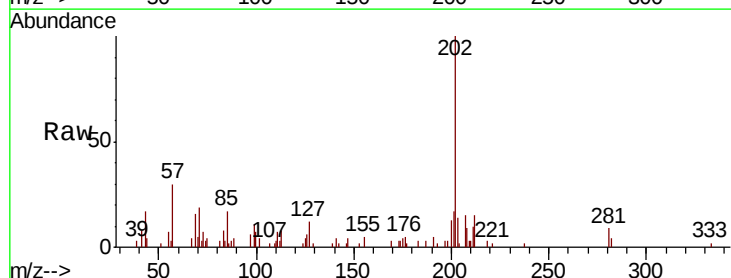
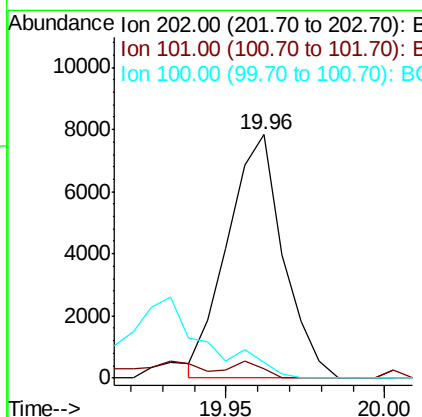
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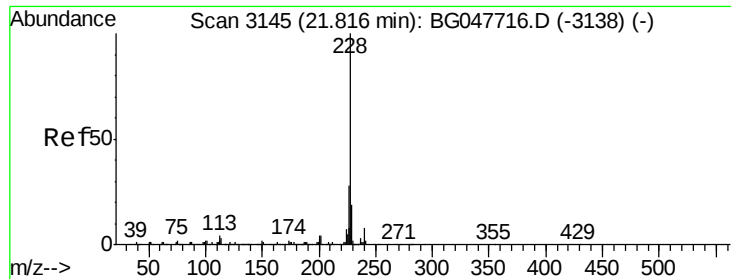
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#82
Pyrene
Concen: 1.668 ng/ul
RT: 19.96 min Scan# 2829
Delta R.T. 0.00 min
Lab File: BG047727.D
Acq: 11 Dec 2020 23:51

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	3.9	3.8	5.6
100	6.5	3.0	4.6#





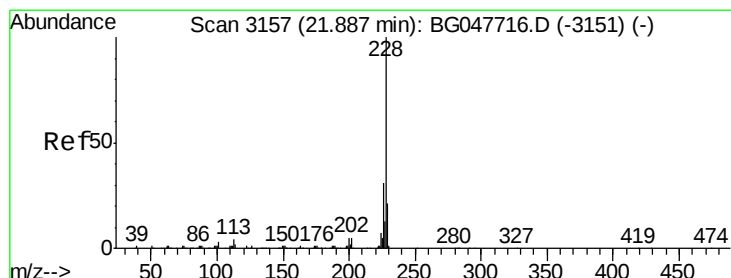
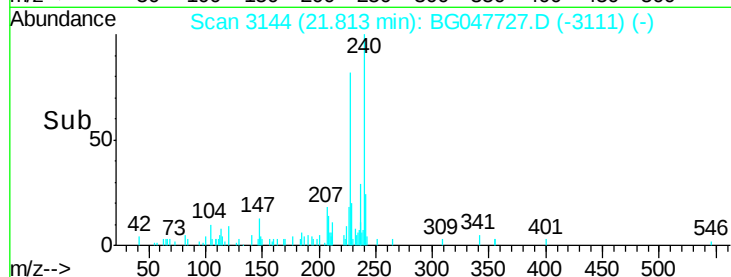
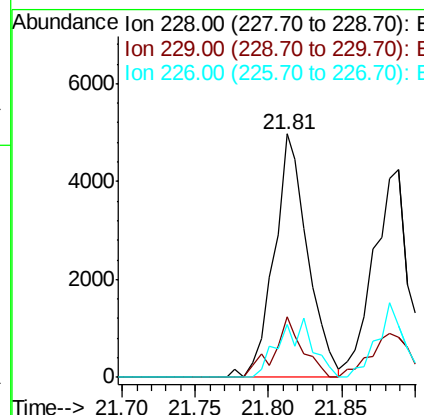
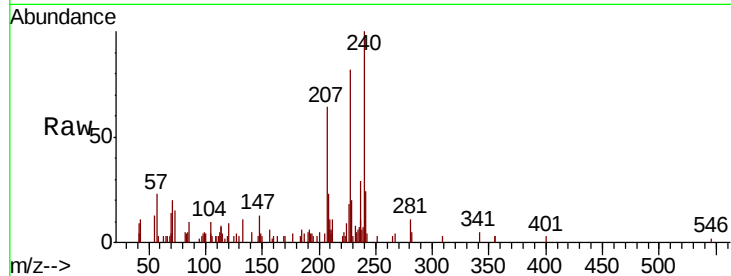
#85
Benzo(a)anthracene
Concen: 1.317 ng/ul m
RT: 21.81 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG047727.D
Acq: 11 Dec 2020 23:51

Instrument :
BNA_G
ClientSampleId :
SBLK360

Tot Ion	Ratio	Lower	Upper
228	100		
229	25.0	16.2	24.4#
226	21.8	20.4	30.6

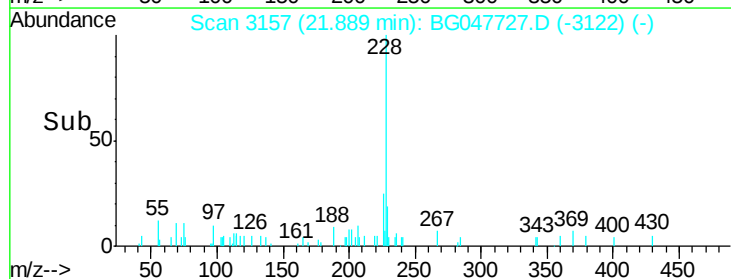
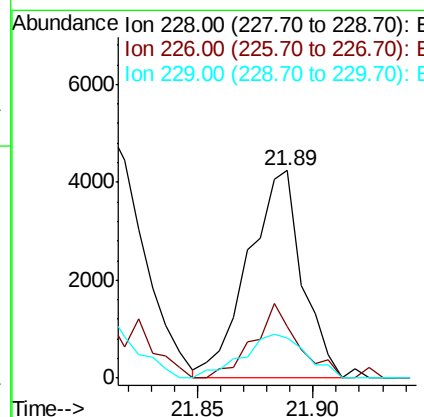
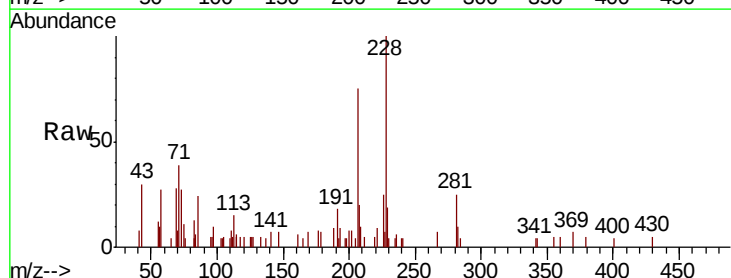
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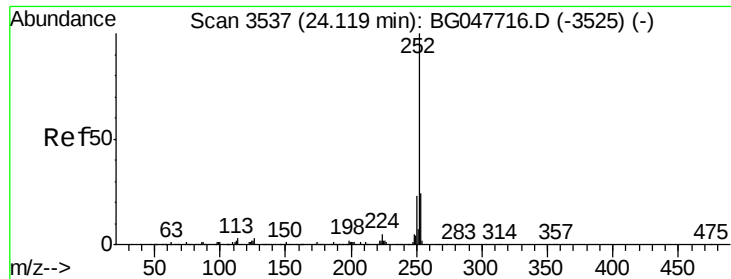
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#87
Chrysene
Concen: 1.222 ng/ul
RT: 21.89 min Scan# 3157
Delta R.T. 0.01 min
Lab File: BG047727.D
Acq: 11 Dec 2020 23:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.6	23.0	34.6
229	19.2	16.2	24.2





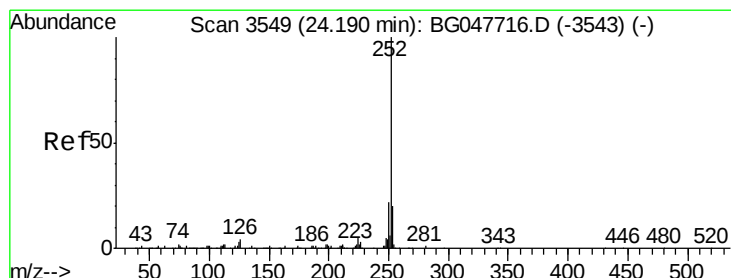
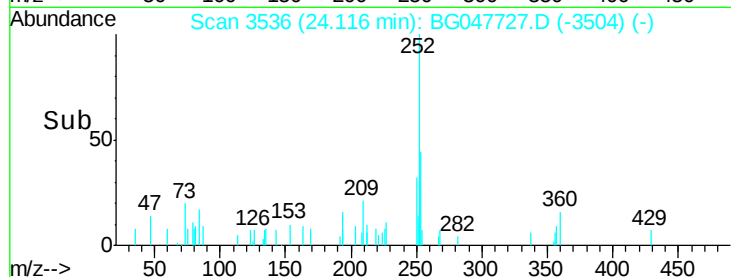
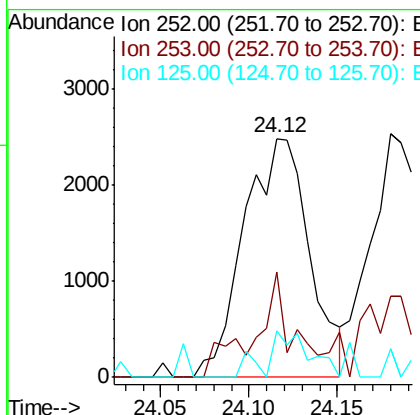
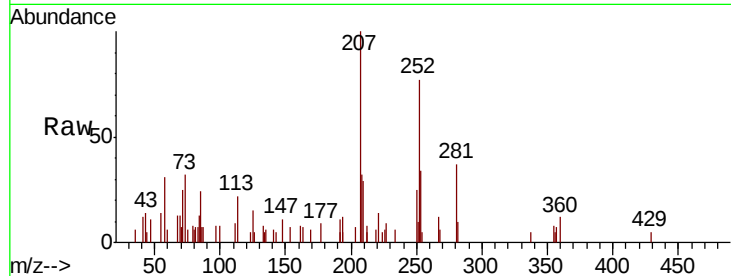
#90
Benzo(b)fluoranthene
Concen: 1.055 ng/ul m
RT: 24.12 min Scan# 3536
Delta R.T. -0.01 min
Lab File: BG047727.D
Acq: 11 Dec 2020 23:51

Instrument :
BNA_G
ClientSampleId :
SBLK360

Tot Ion	Ratio	Lower	Upper
252	100		
253	44.4	16.6	24.8#
125	19.3	1.8	2.8#

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#91
Benzo(k)fluoranthene
Concen: 0.979 ng/ul m
RT: 24.18 min Scan# 3547
Delta R.T. -0.01 min
Lab File: BG047727.D
Acq: 11 Dec 2020 23:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.2	17.0	25.4#
125	11.8	2.2	3.2#

