

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091820\
 Data File : BG046672.D
 Acq On : 18 Sep 2020 16:45
 Operator : CG/JU
 Sample : L4074-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 KTS-ST-0102-0-6

Manual Integrations
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Quant Time: Sep 21 08:37:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 17 14:27:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	75409	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	305648	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	188824	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	368351	20.00	ng	0.00
76) Chrysene-d12	21.55	240	357704	20.00	ng	0.00
86) Perylene-d12	24.65	264	367340	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	445095	104.54	ng	0.01
7) Phenol-d6	7.10	99	569490	94.36	ng	0.00
23) Nitrobenzene-d5	9.08	82	351198	65.67	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	105337m	41.17	ng	0.03
45) 2-Fluorobiphenyl	13.17	172	817839	66.12	ng	0.00
79) Terphenyl-d14	19.92	244	897118	53.37	ng	0.00
Target Compounds						
31) Naphthalene	10.77	128	60272	4.039	ng	99
37) 2-Methylnaphthalene	12.38	142	42155	3.582	ng	99
38) 1-Methylnaphthalene	12.59	142	29011	2.602	ng	94
50) Dimethylphthalate	14.00	163	69858	4.782	ng	98
52) Acenaphthene	14.62	154	28205	2.694	ng	90
55) Dibenzofuran	14.95	168	55023	3.275	ng	# 96
58) Fluorene	15.60	166	49040	3.477	ng	97
71) Phenanthrene	17.34	178	163549	8.760	ng	98
72) Anthracene	17.43	178	59715m	3.242	ng	
75) Fluoranthene	19.35	202	329531	13.715	ng	99
78) Pyrene	19.72	202	301620	13.242	ng	97
81) Benzo(a)anthracene	21.53	228	125390	5.624	ng	# 92
83) Chrysene	21.59	228	160829	7.499	ng	# 92
87) Indeno(1,2,3-cd)pyrene	28.17	276	63021	2.389	ng	95
88) Benzo(b)fluoranthene	23.68	252	170991	7.455	ng	# 82
89) Benzo(k)fluoranthene	23.72	252	52891m	2.386	ng	
90) Benzo(a)pyrene	24.51	252	84242	3.936	ng	# 77
92) Benzo(g,h,i)perylene	29.26	276	63956	3.008	ng	# 87

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

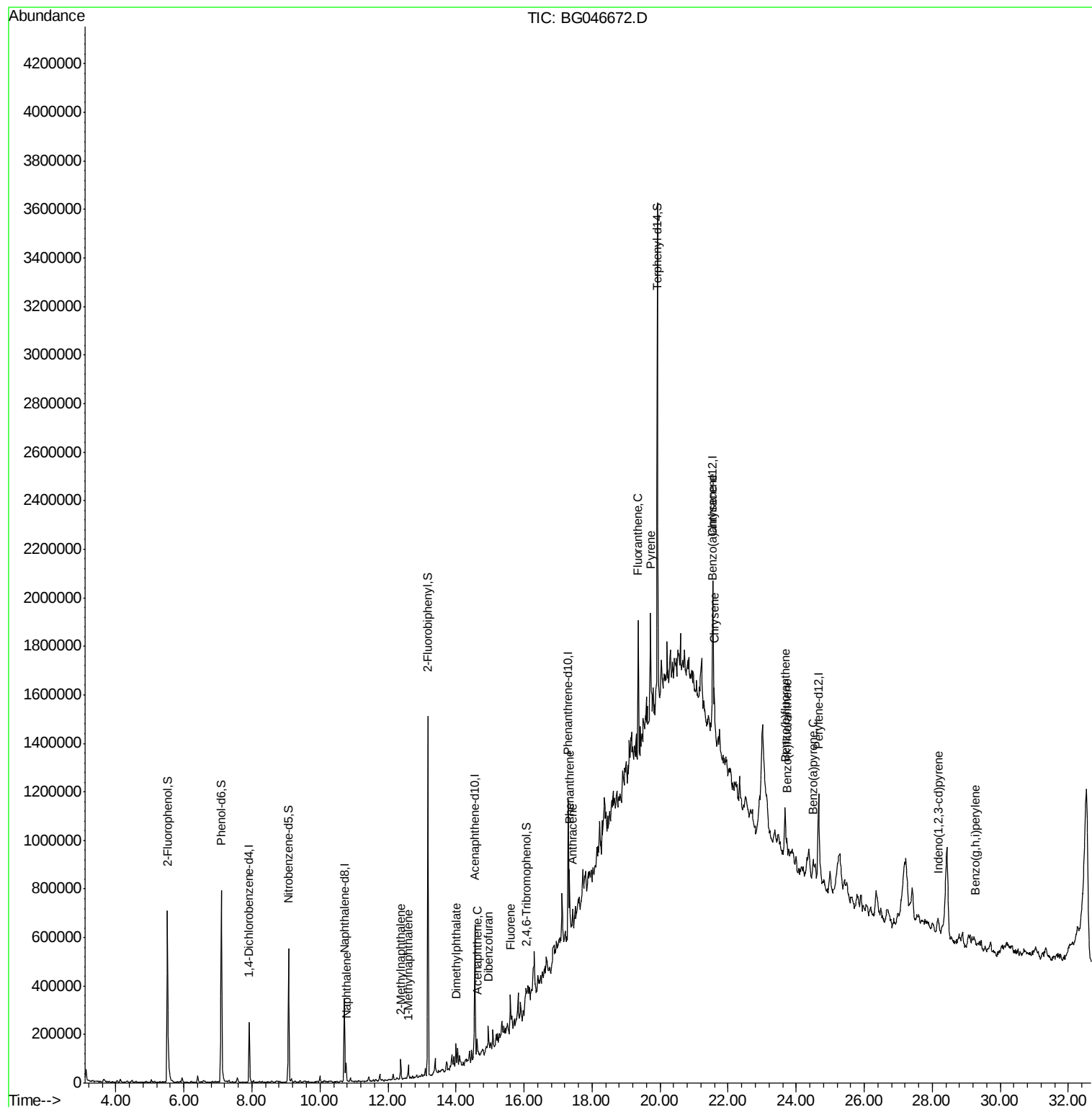
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091820\
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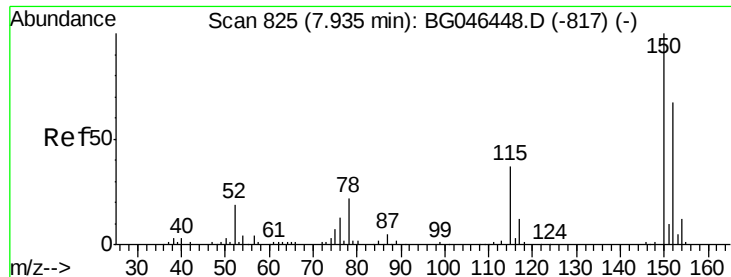
Instrument :
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KTS-ST-0102-0-6

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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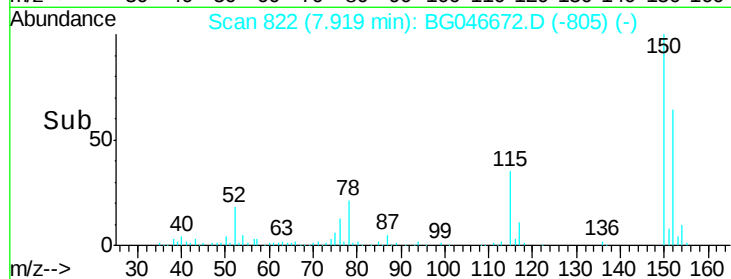
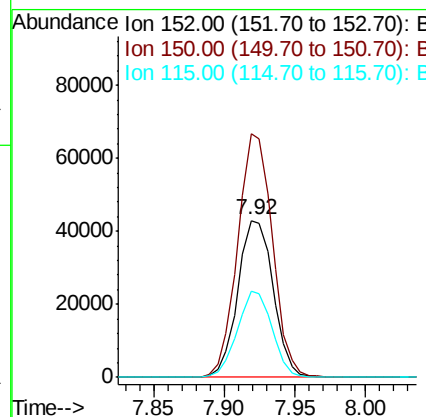
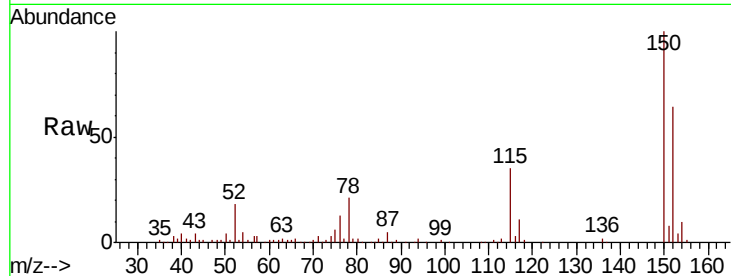
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.92 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BG046672.D
 Acq: 18 Sep 2020 16:45

Instrument :
 BNA_G
 ClientSampleId :
 KTS-ST-0102-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	125.0	187.6
115	55.1	41.8	62.6

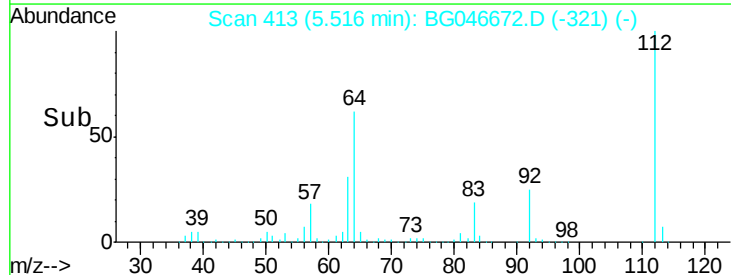
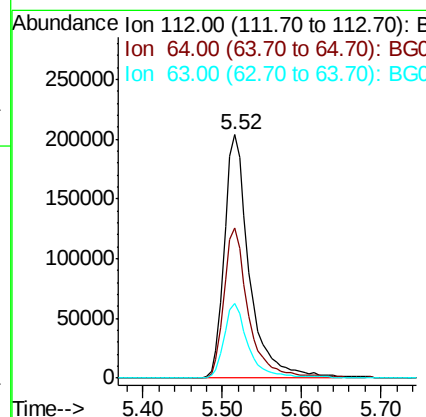
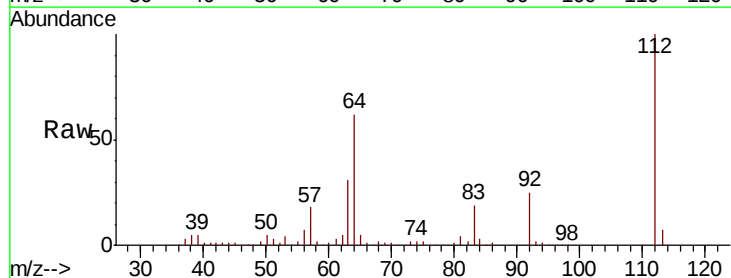
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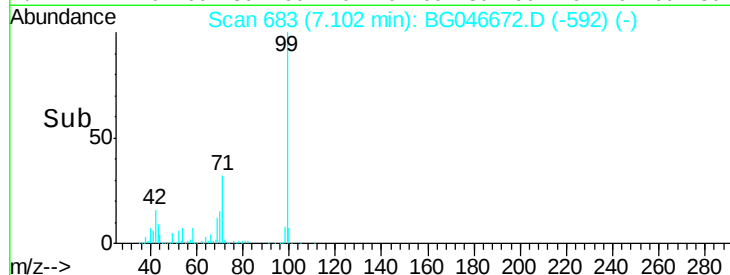
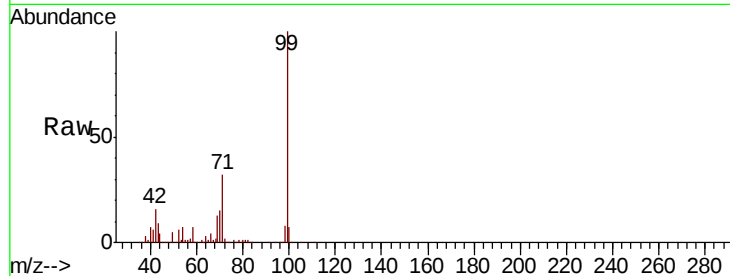
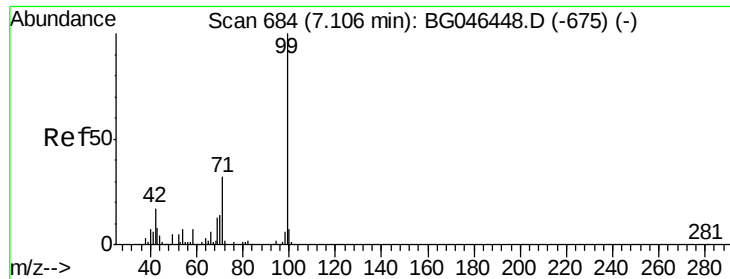
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#5
 2-Fluorophenol
 Concen: 104.543 ng
 RT: 5.52 min Scan# 413
 Delta R.T. 0.01 min
 Lab File: BG046672.D
 Acq: 18 Sep 2020 16:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	46.7	70.1
63	30.7	22.8	34.2





#7

Phenol-d6

Concen: 94.356 ng

RT: 7.10 min Scan# 683

Delta R.T. 0.01 min

Lab File: BG046672.D

Acq: 18 Sep 2020 16:45

Tot Ion:	99	Resp:	569490
Ion Ratio	Lower	Upper	
99	100		
42	16.5	12.8	19.2
71	31.9	24.6	36.8

Instrument :

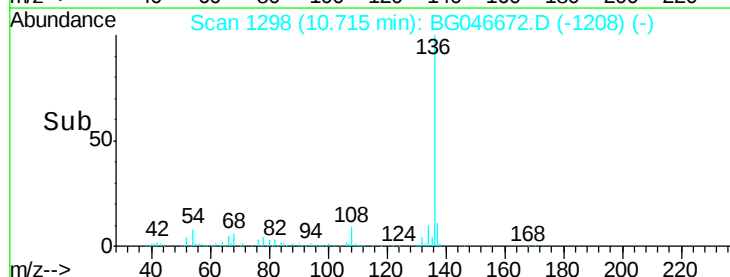
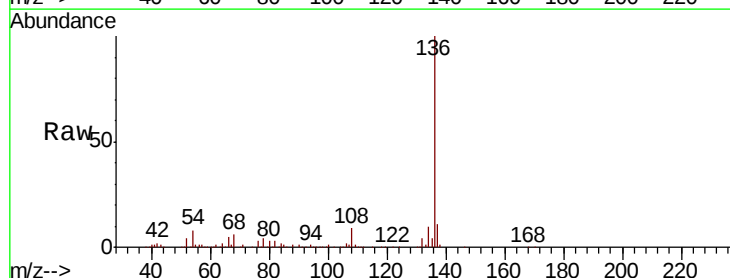
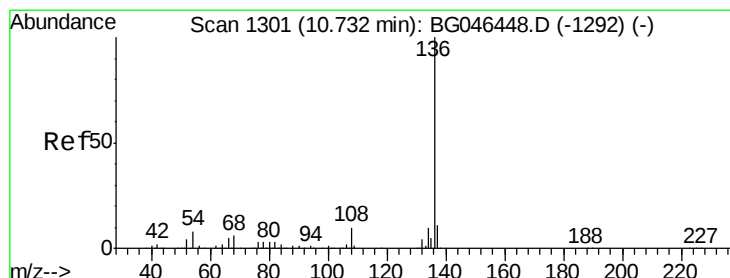
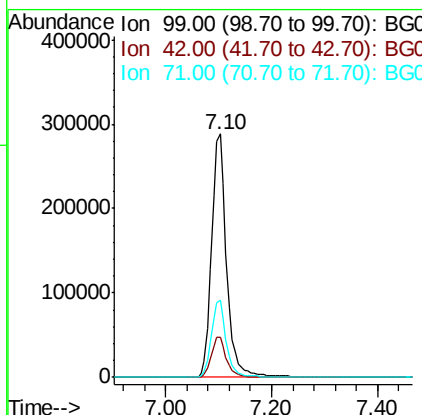
BNA_G

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

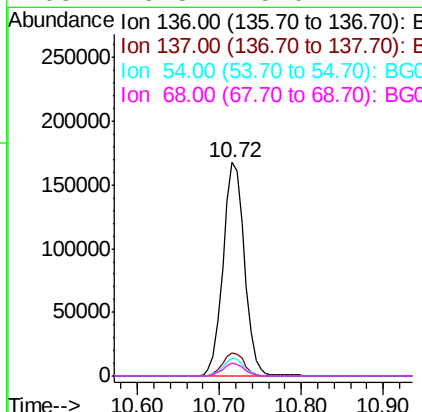
RT: 10.72 min Scan# 1298

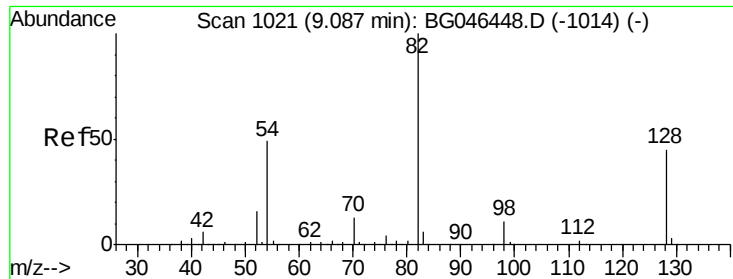
Delta R.T. -0.00 min

Lab File: BG046672.D

Acq: 18 Sep 2020 16:45

Tgt Ion:	136	Resp:	305648
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	8.4	6.2	9.4
68	5.8	5.0	7.4





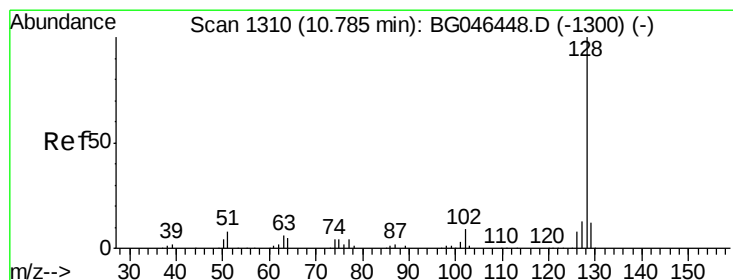
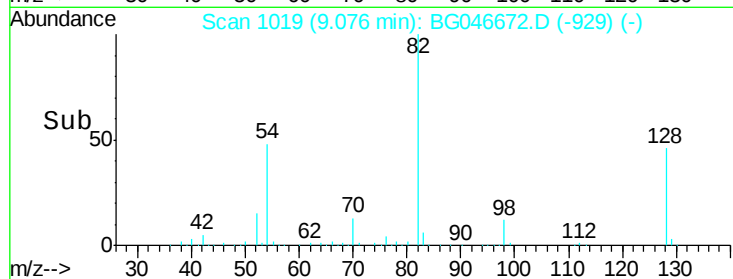
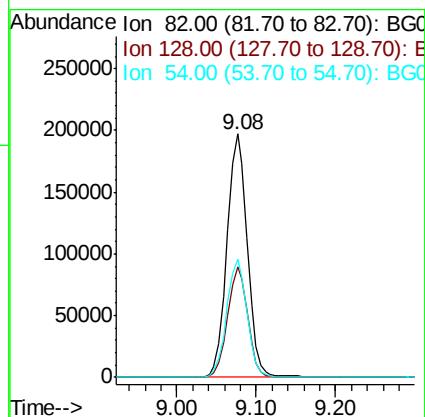
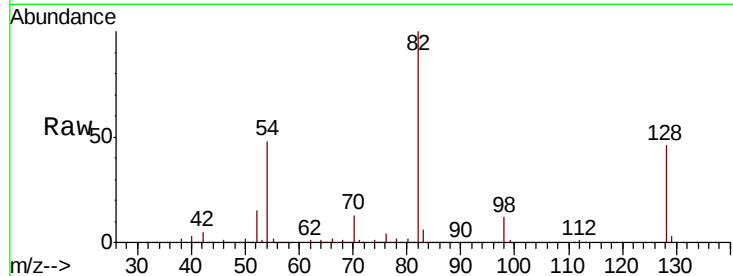
#23
Nitrobenzene-d5
Concen: 65.673 ng
RT: 9.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Instrument :
BNA_G
ClientSampleId :
KTS-ST-0102-0-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	37.0	55.6
54	48.3	39.0	58.4

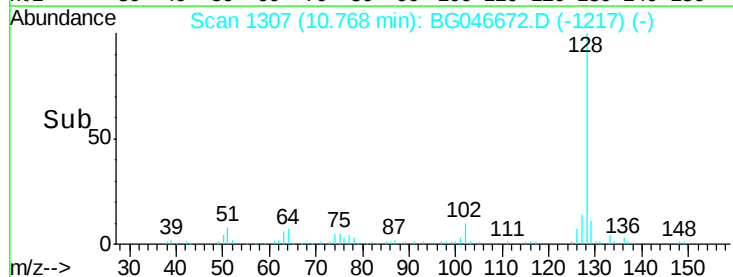
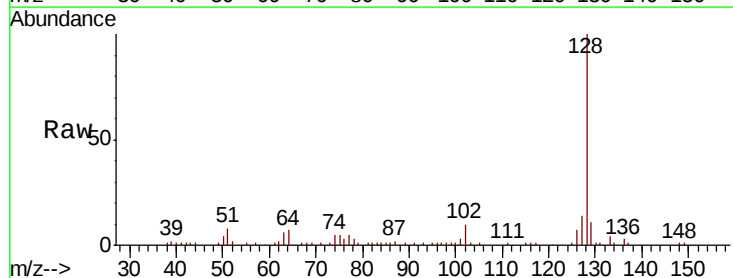
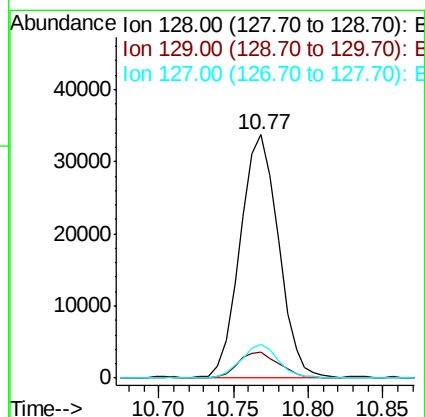
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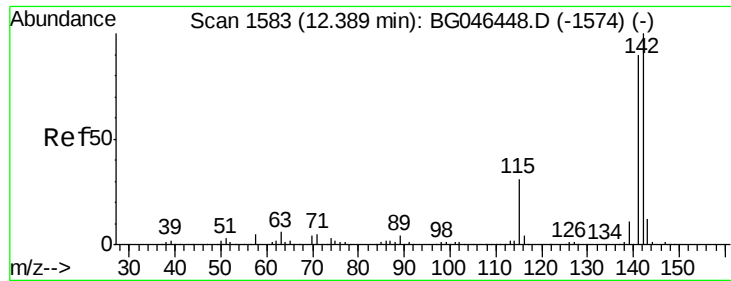
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#31
Naphthalene
Concen: 4.039 ng
RT: 10.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	13.8	11.0	16.4





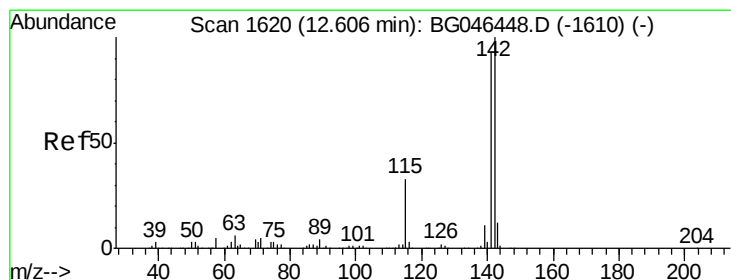
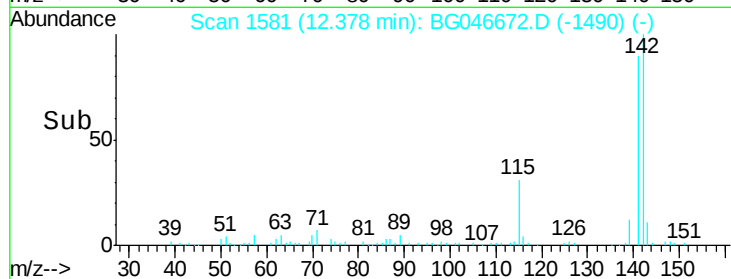
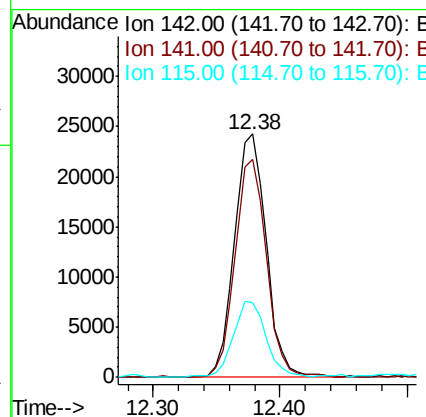
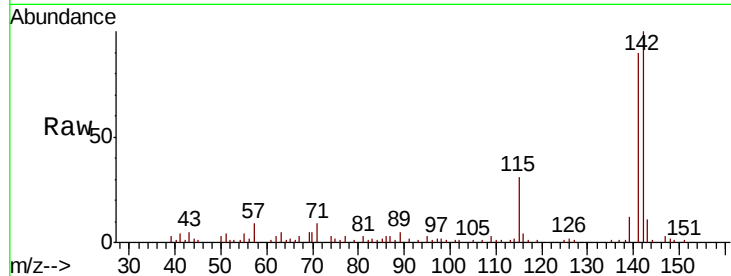
#37
 2-Methylnaphthalene
 Concen: 3.582 ng
 RT: 12.38 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: BG046672.D
 Acq: 18 Sep 2020 16:45

Instrument :
 BNA_G
 ClientSampleId :
 KTS-ST-0102-0-6

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.6	107.4
115	30.6	25.4	38.2

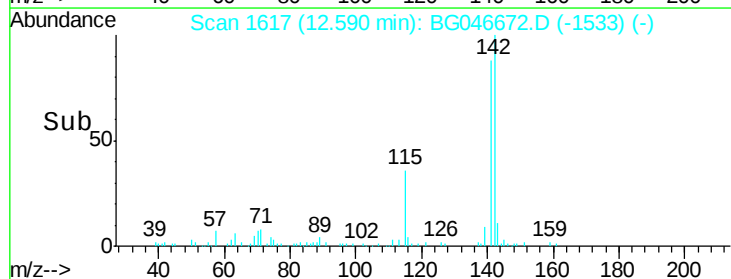
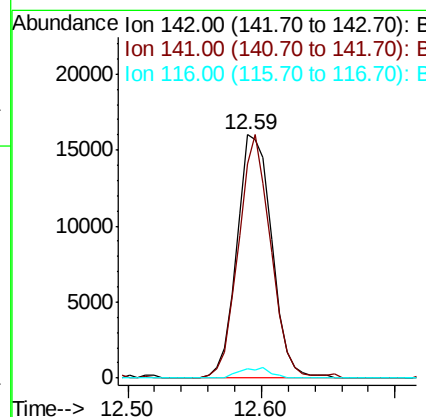
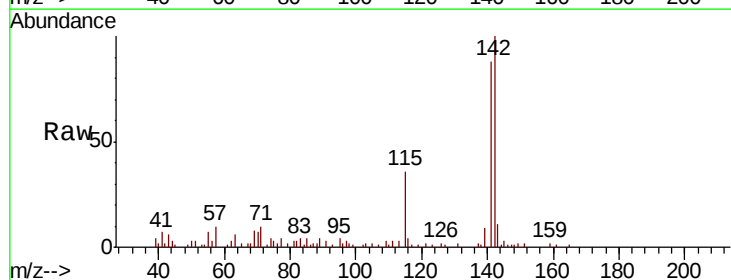
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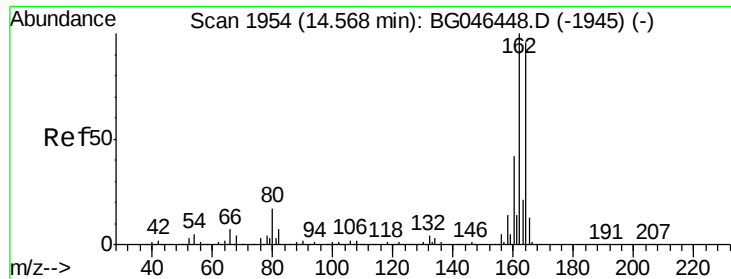
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#38
 1-Methylnaphthalene
 Concen: 2.602 ng
 RT: 12.59 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BG046672.D
 Acq: 18 Sep 2020 16:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	75.4	113.2
116	3.7	2.9	4.3





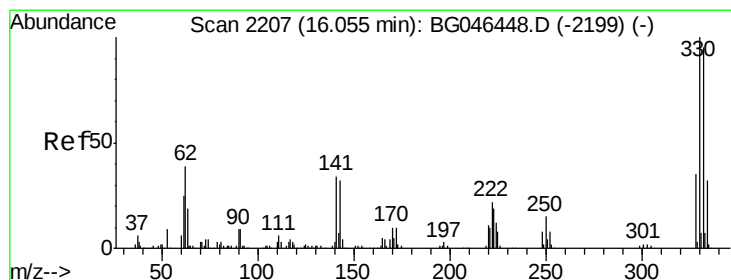
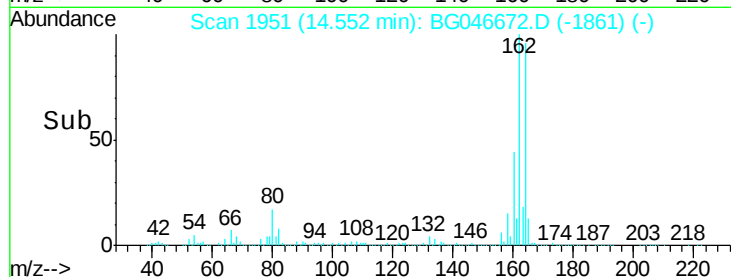
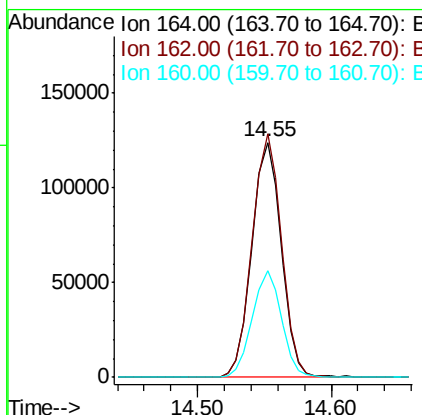
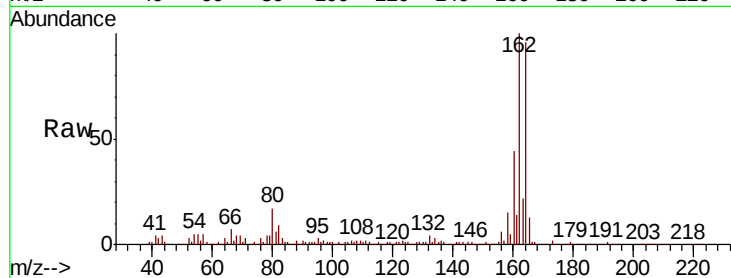
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Instrument :
BNA_G
ClientSampleId :
KTS-ST-0102-0-6

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.7	82.3	123.5	
160	45.3	35.3	52.9	

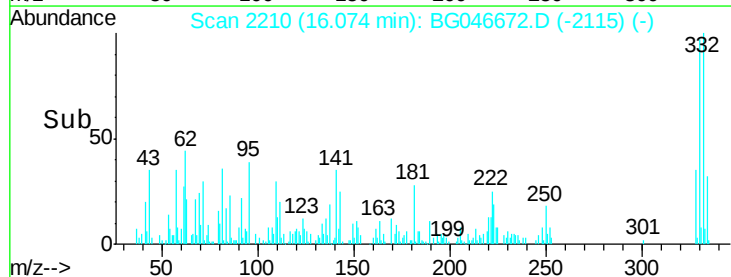
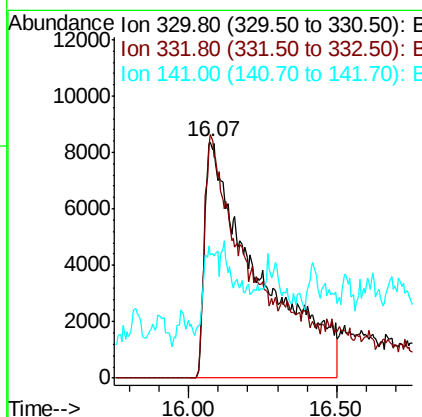
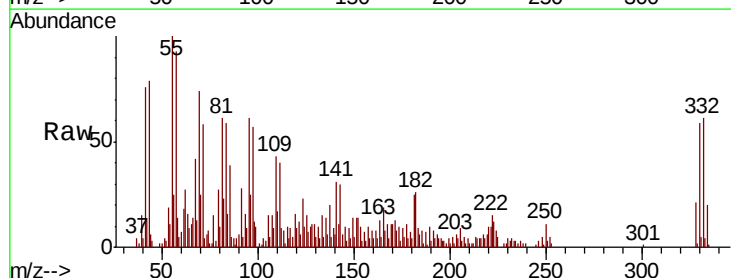
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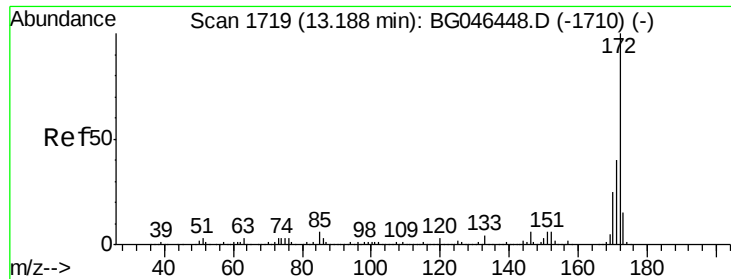
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#42
2,4,6-Tribromophenol
Concen: 41.172 ng m
RT: 16.07 min Scan# 2210
Delta R.T. 0.03 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	45.7	76.5	114.7#	
141	9.7	26.0	39.0#	





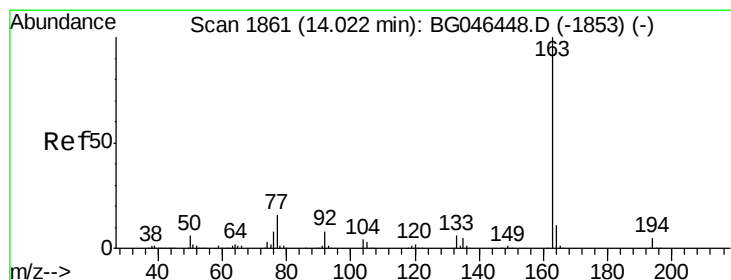
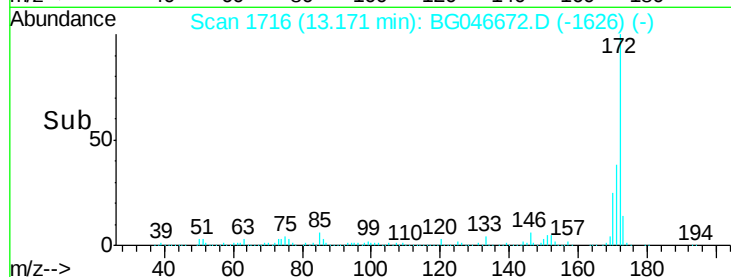
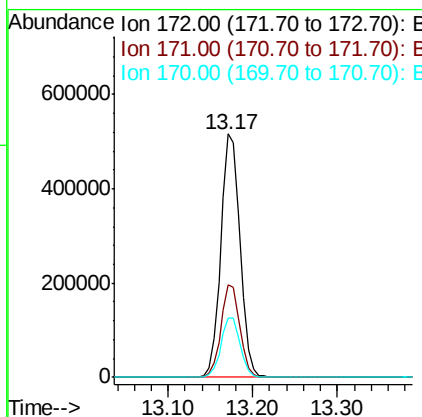
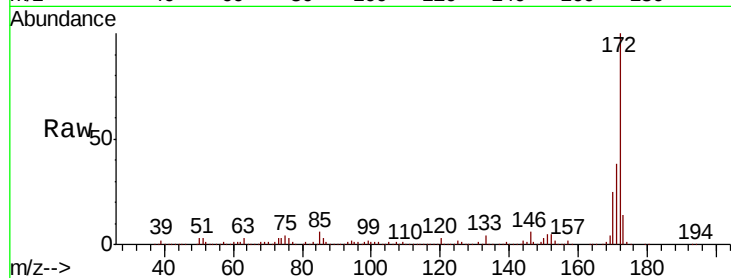
#45
2-Fluorobiphenyl
Concen: 66.119 ng
RT: 13.17 min Scan# 1716
Delta R.T. -0.00 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Instrument :
BNA_G
ClientSampleId :
KTS-ST-0102-0-6

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.3	46.9
170	24.5	20.8	31.2

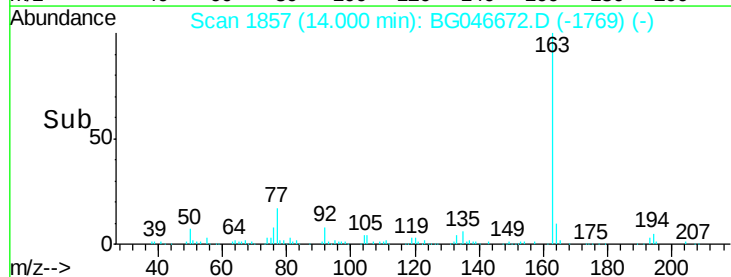
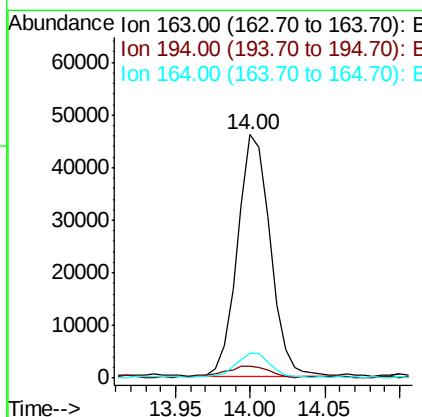
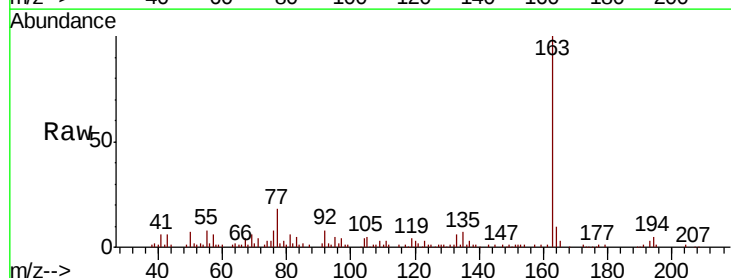
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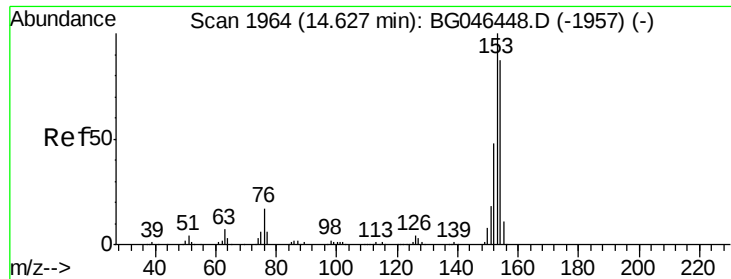
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#50
Dimethylphthalate
Concen: 4.782 ng
RT: 14.00 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.8	5.8
164	10.1	8.8	13.2





#52

Acenaphthene

Concen: 2.694 ng

RT: 14.62 min Scan# 1962

Delta R.T. -0.00 min

Lab File: BG046672.D

Acq: 18 Sep 2020 16:45

Instrument :

BNA_G

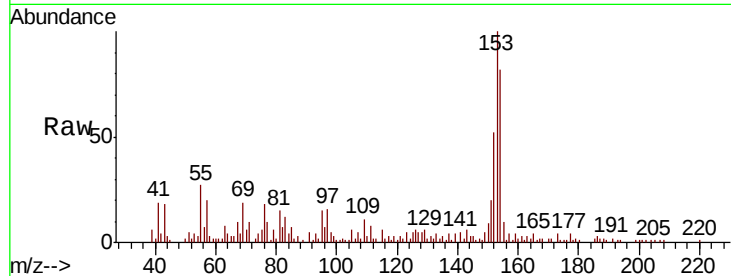
ClientSampleId :

KTS-ST-0102-0-6

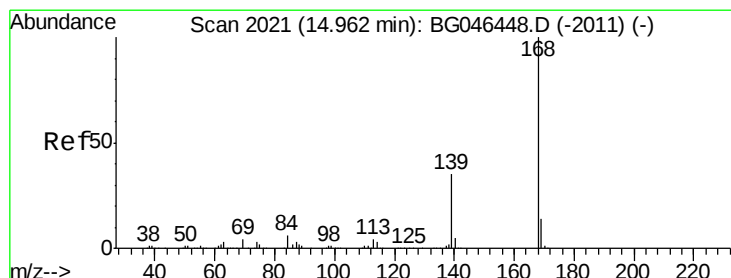
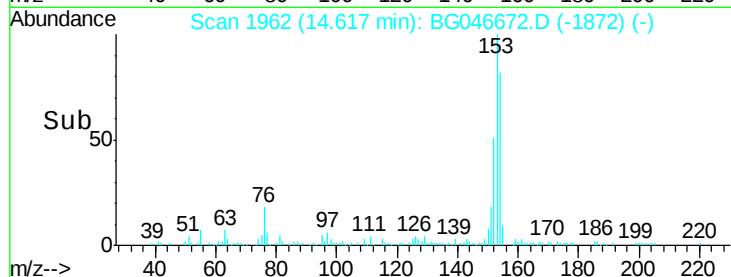
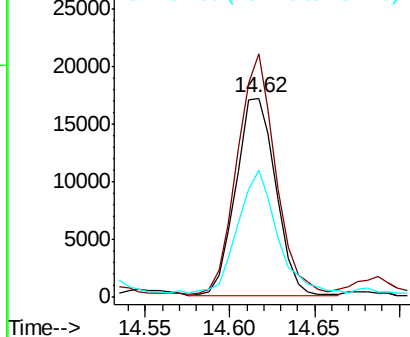
Tot Ion:	154	Resp:	28205
Ion Ratio	Lower	Upper	
154	100		
153	122.4	90.3	135.5
152	63.7	43.8	65.8

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



#55

Dibenzofuran

Concen: 3.275 ng

RT: 14.95 min Scan# 2019

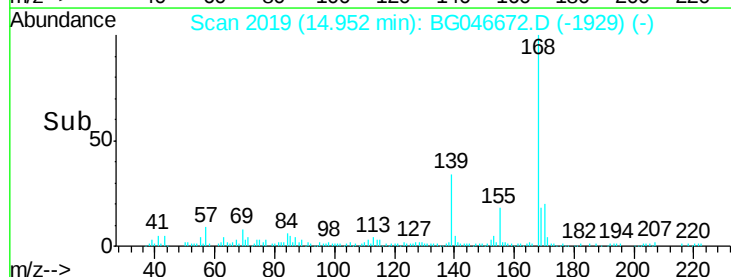
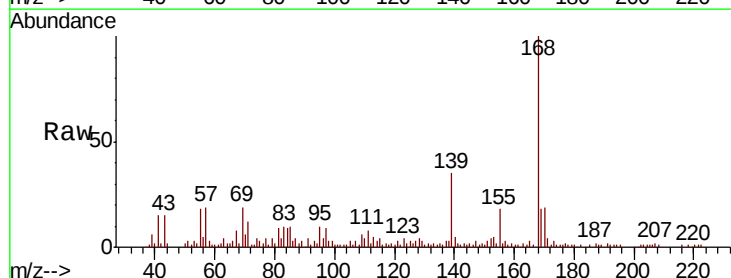
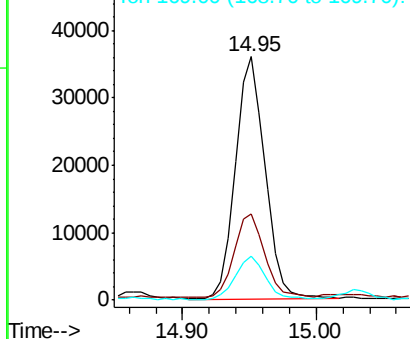
Delta R.T. -0.00 min

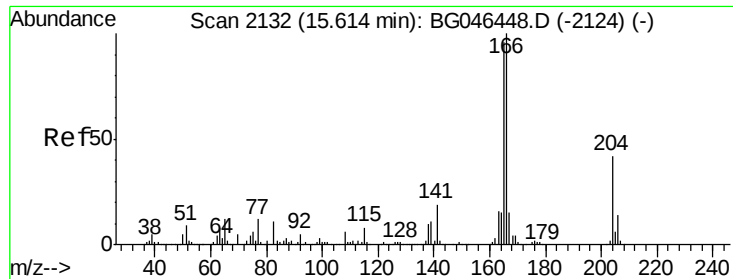
Lab File: BG046672.D

Acq: 18 Sep 2020 16:45

Tgt Ion:	168	Resp:	55023
Ion Ratio	Lower	Upper	
168	100		
139	35.3	28.6	43.0
169	18.0	11.0	16.6#

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





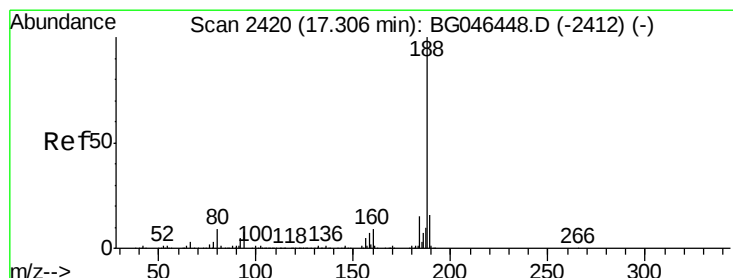
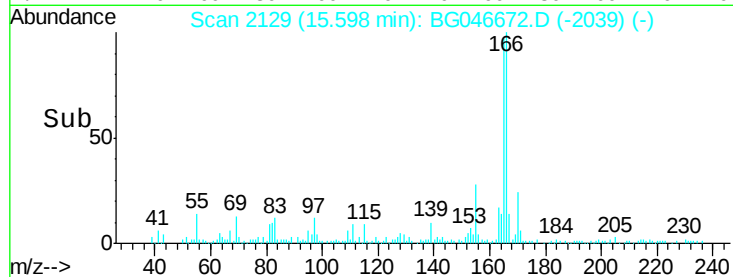
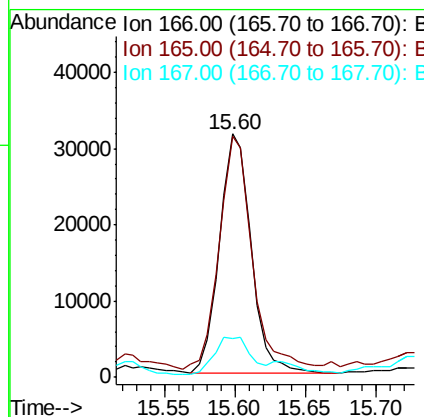
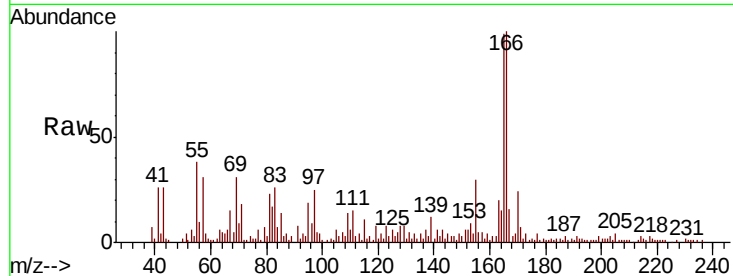
#58
Fluorene
Concen: 3.477 ng
RT: 15.60 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Instrument :
BNA_G
ClientSampleId :
KTS-ST-0102-0-6

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.2	115.8
167	15.8	11.4	17.2

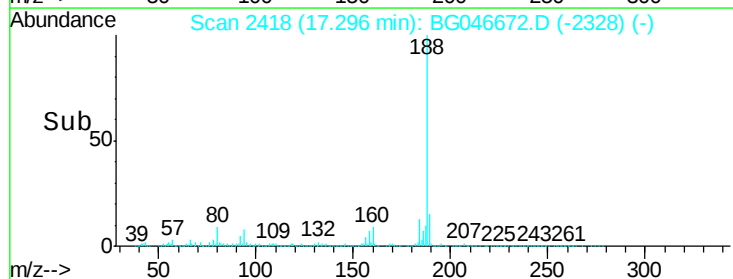
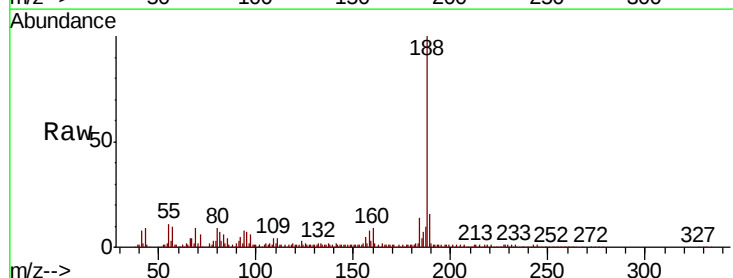
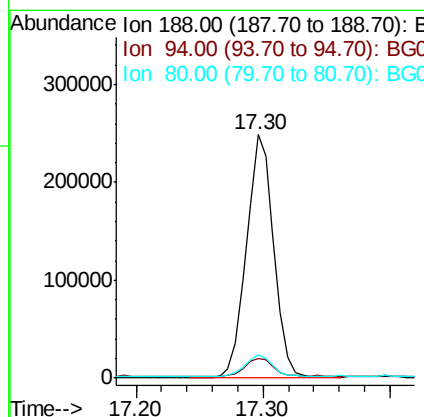
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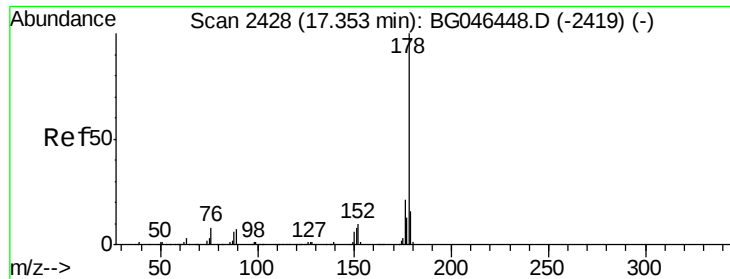
mohammad
9/21/2020 10:33:44 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.30 min Scan# 2418
Delta R.T. -0.00 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.3	9.5
80	9.5	7.0	10.6





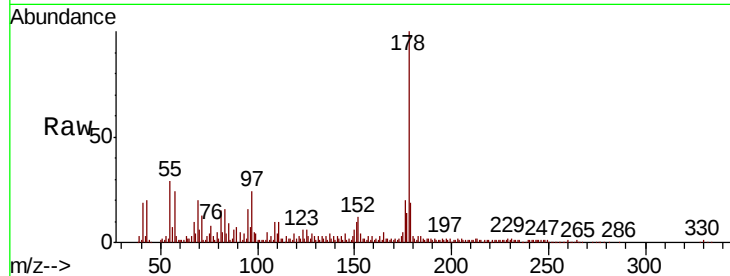
#71
Phenanthrene
Concen: 8.760 ng
RT: 17.34 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Instrument :
BNA_G
ClientSampleId :
KTS-ST-0102-0-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.7	25.1
179	18.7	14.0	21.0

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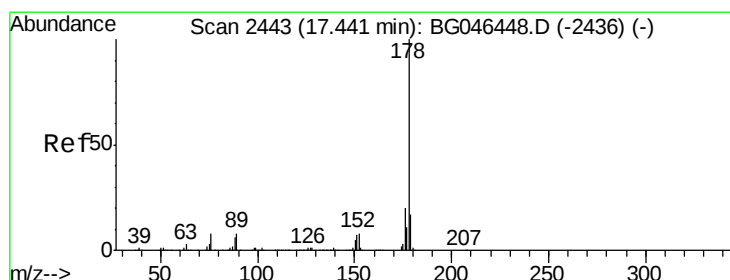
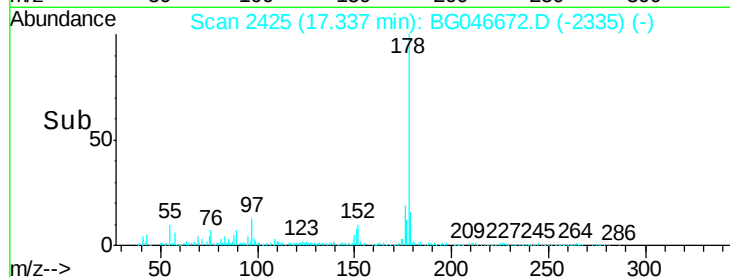
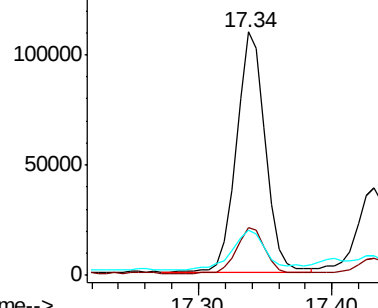


Abundance

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



#72
Anthracene
Concen: 3.242 ng m
RT: 17.43 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

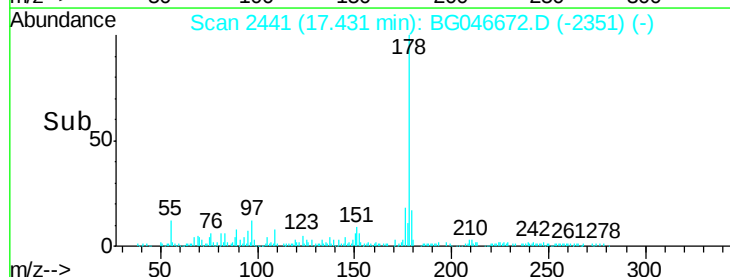
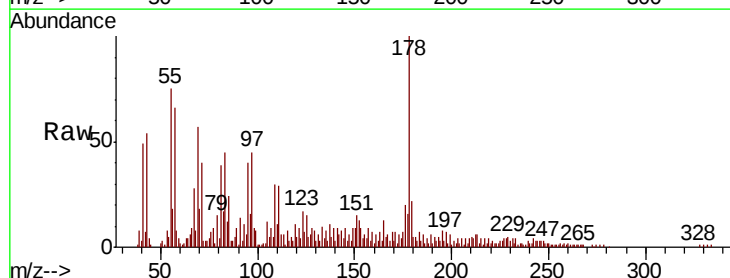
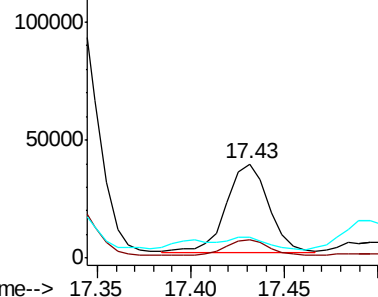
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.4	24.6
179	21.6	13.8	20.6

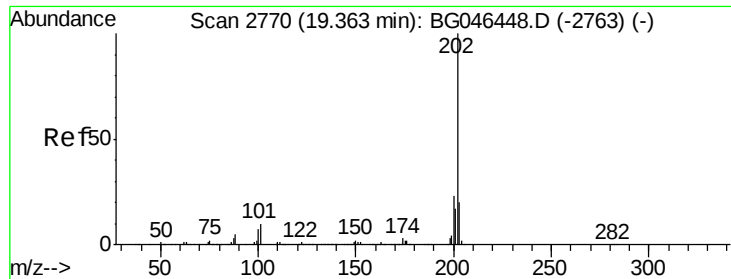
Abundance

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: 13.715 ng

RT: 19.35 min Scan# 2768

Delta R.T. 0.01 min

Lab File: BG046672.D

Acq: 18 Sep 2020 16:45

Instrument :

BNA_G

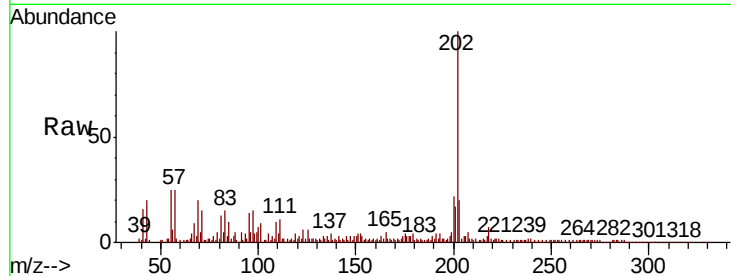
ClientSampleId :

KTS-ST-0102-0-6

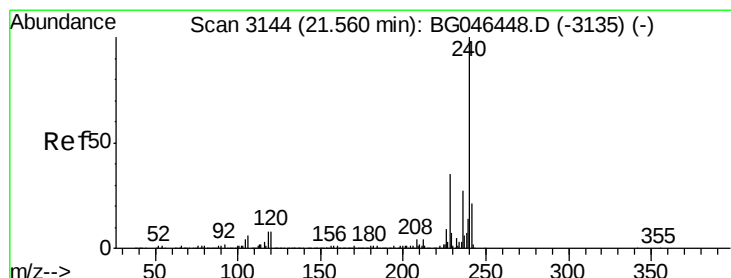
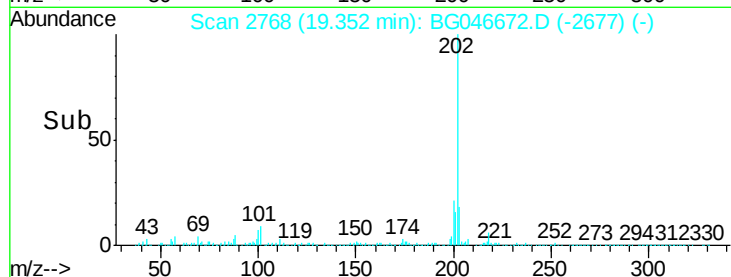
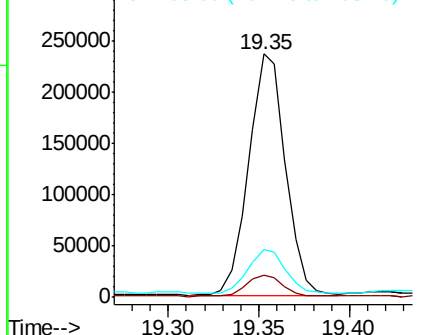
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.2	0.0	29.7
203	19.8	0.0	39.2

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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



#76

Chrysene-d12

Concen: 20.000 ng

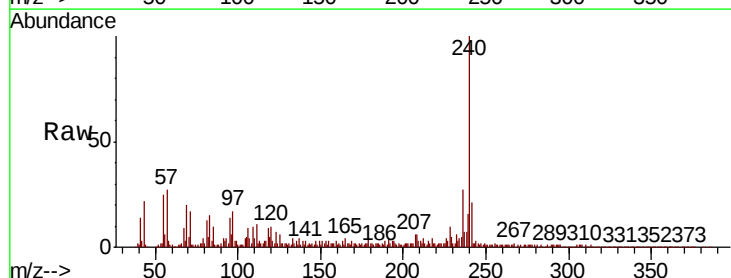
RT: 21.55 min Scan# 3142

Delta R.T. 0.01 min

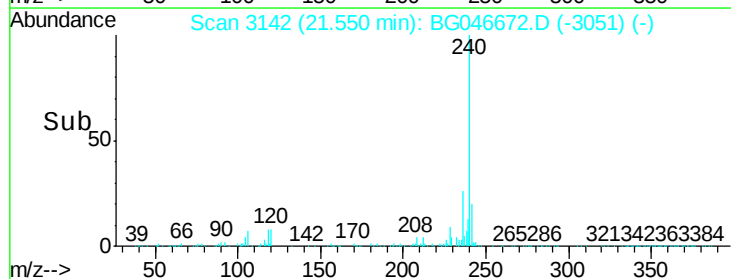
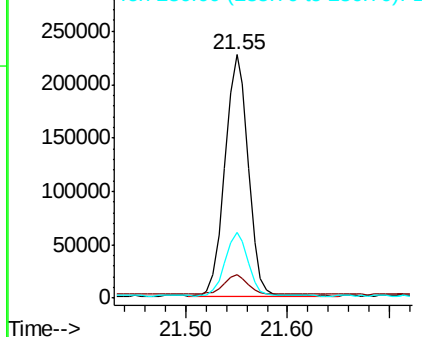
Lab File: BG046672.D

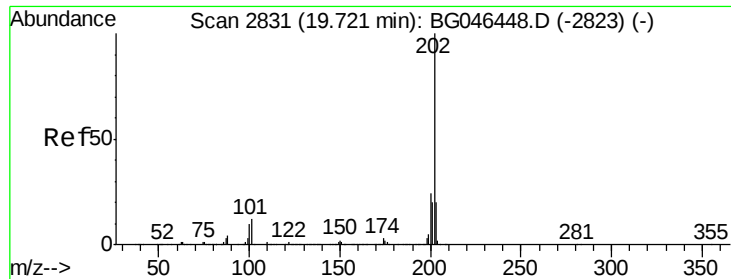
Acq: 18 Sep 2020 16:45

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.7	6.2	9.4#
236	26.8	20.5	30.7



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





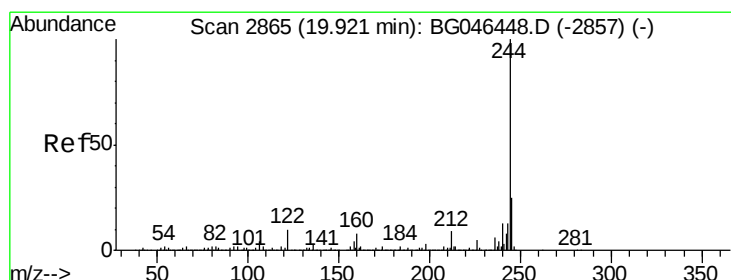
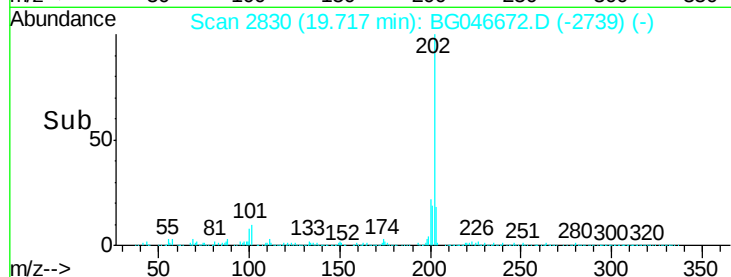
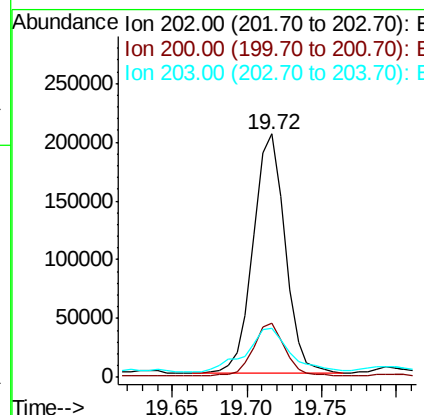
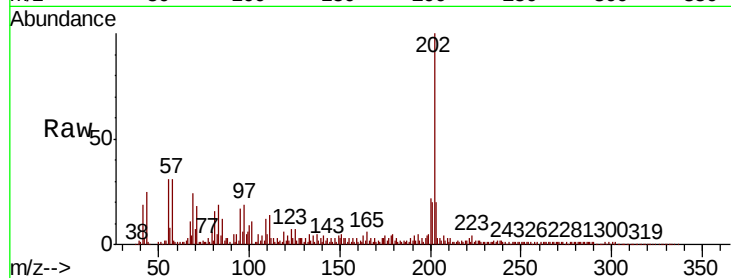
#78
Pvrene
Concen: 13.242 ng
RT: 19.72 min Scan# 2830
Delta R.T. 0.01 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Instrument :
BNA_G
ClientSampleId :
KTS-ST-0102-0-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		301620		
200	22.0	18.6	27.8		
203	20.4	15.3	22.9		

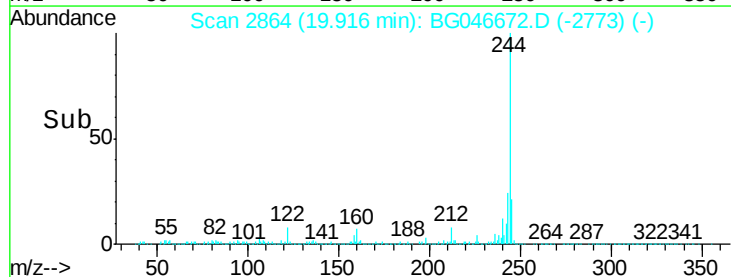
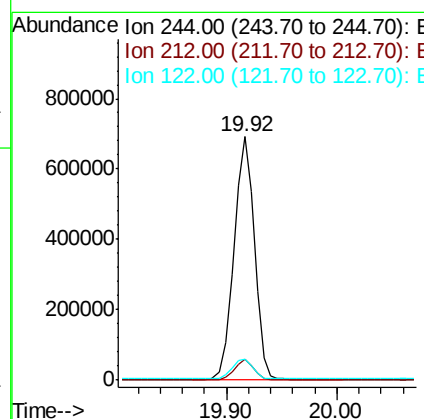
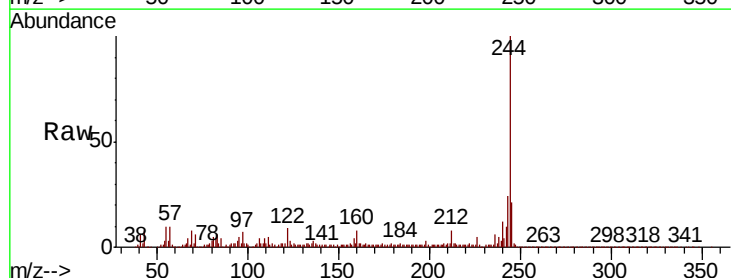
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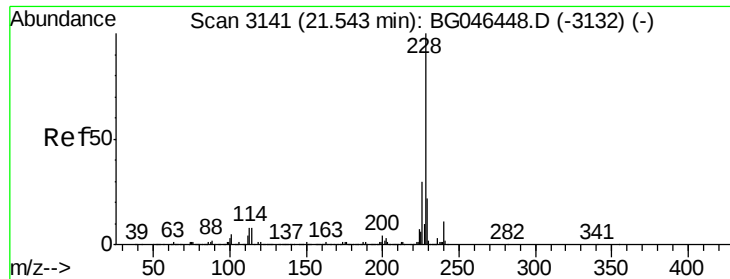
mohammad
9/21/2020 10:33:44 AM



#79
Terphenyl-d14
Concen: 53.374 ng
RT: 19.92 min Scan# 2864
Delta R.T. 0.01 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		897118		
212	8.5	6.7	10.1		
122	8.8	7.8	11.6		





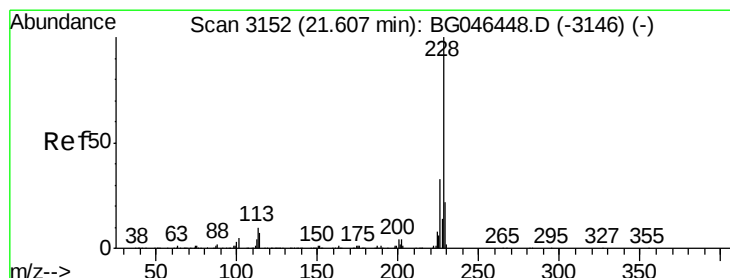
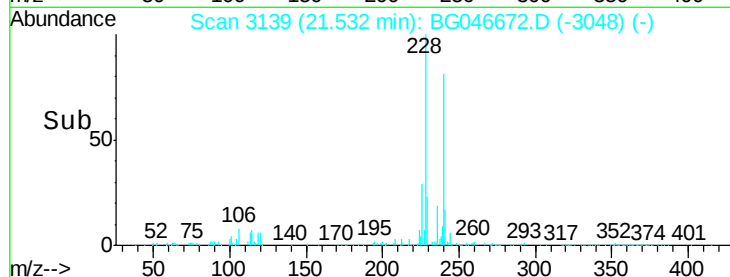
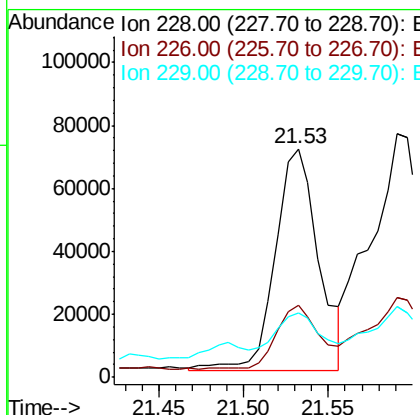
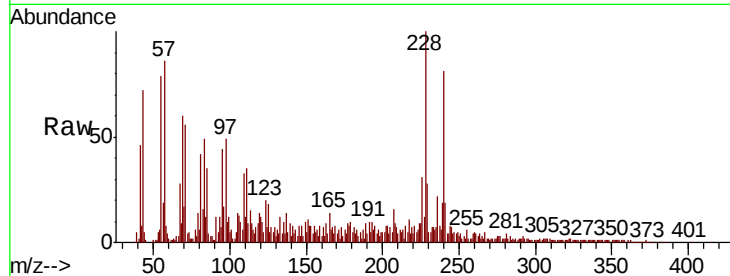
#81
Benzo(a)anthracene
Concen: 5.624 ng
RT: 21.53 min Scan# 3139
Delta R.T. 0.01 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Instrument :
BNA_G
ClientSampleId :
KTS-ST-0102-0-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.3	34.9
229	27.9	17.4	26.0

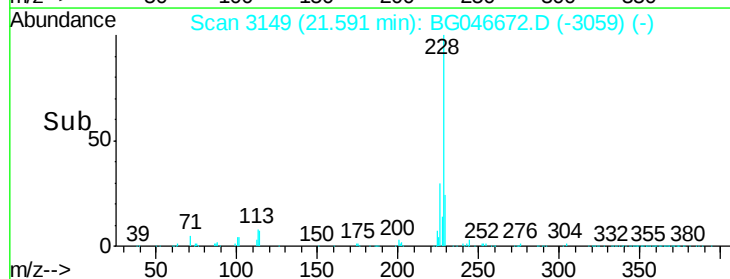
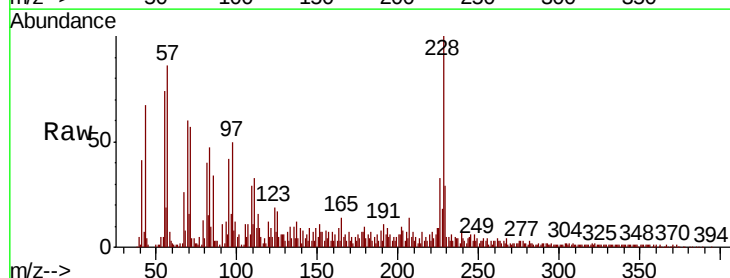
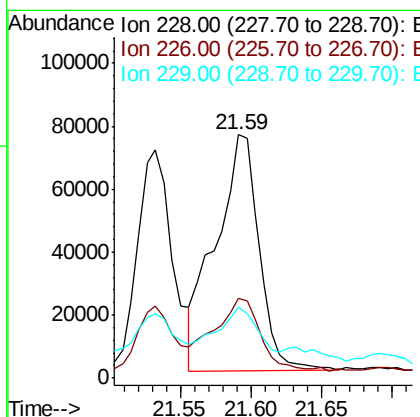
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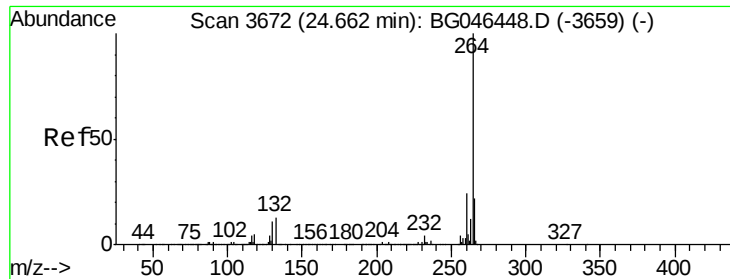
mohammad
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#83
Chrysene
Concen: 7.499 ng
RT: 21.59 min Scan# 3149
Delta R.T. -0.00 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	25.0	37.4
229	29.3	17.3	25.9





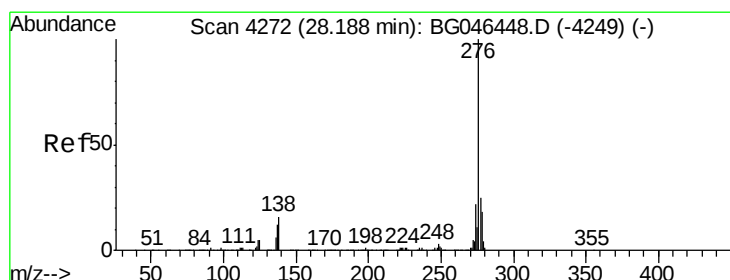
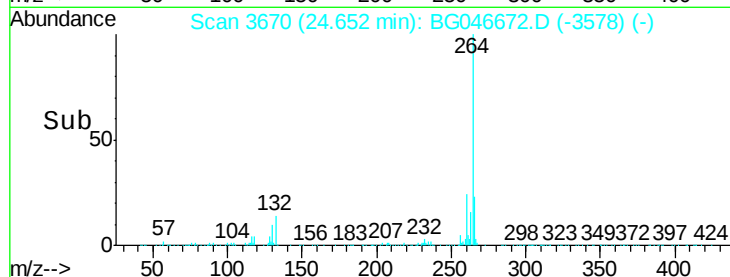
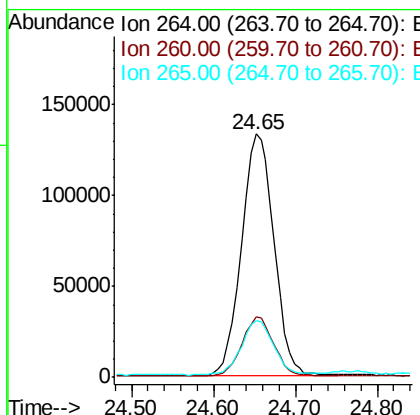
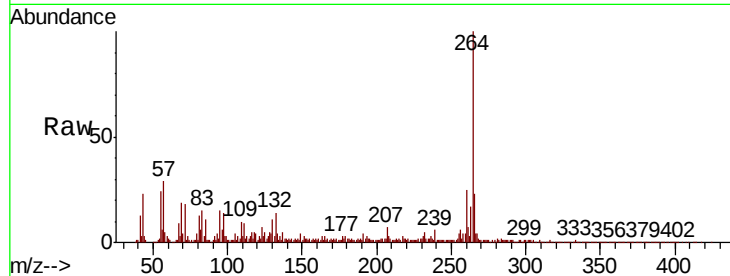
#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.65 min Scan# 3670
Delta R.T. 0.01 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Instrument :
BNA_G
ClientSampleId :
KTS-ST-0102-0-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.8	28.2
265	23.4	17.8	26.8

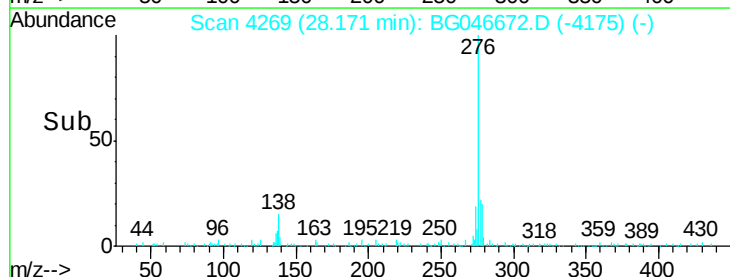
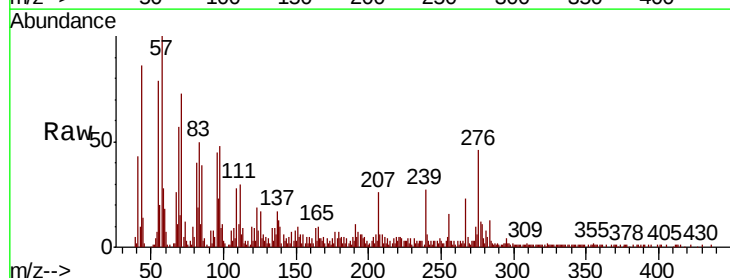
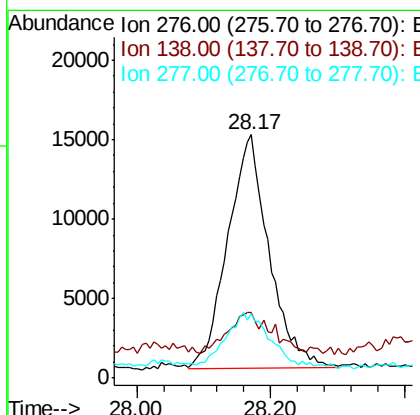
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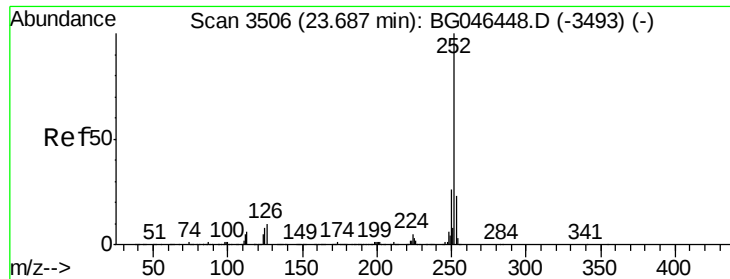
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 2.389 ng
RT: 28.17 min Scan# 4269
Delta R.T. 0.02 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.3	16.2	24.2
277	22.9	20.3	30.5





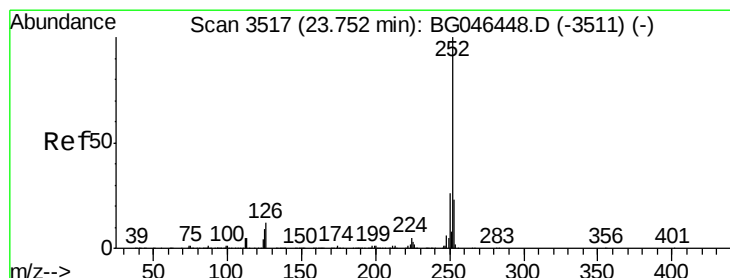
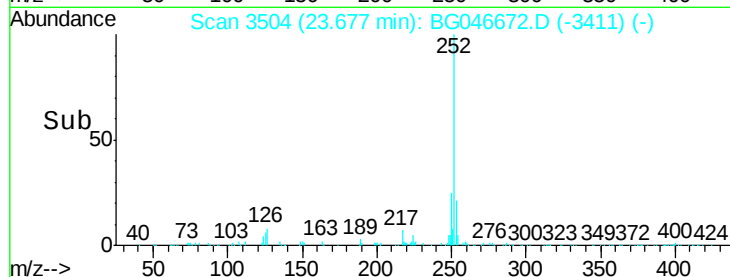
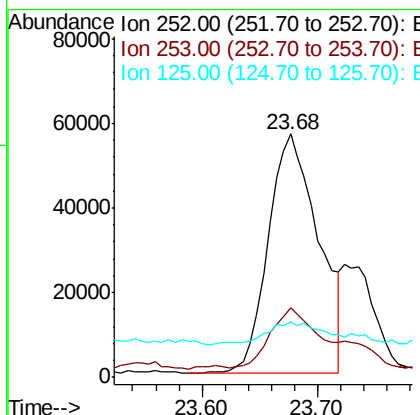
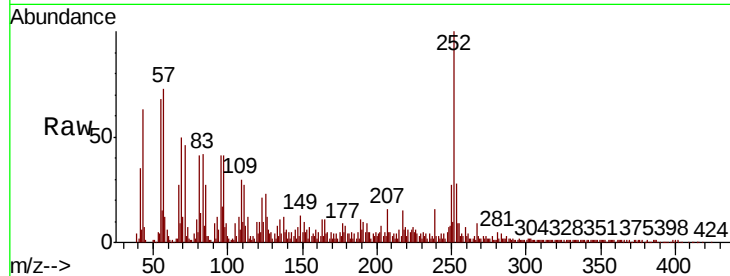
#88
Benzo(b)fluoranthene
Concen: 7.455 ng
RT: 23.68 min Scan# 3504
Delta R.T. 0.02 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Instrument :
BNA_G
ClientSampleId :
KTS-ST-0102-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.7	28.1#
125	22.7	6.5	9.7#

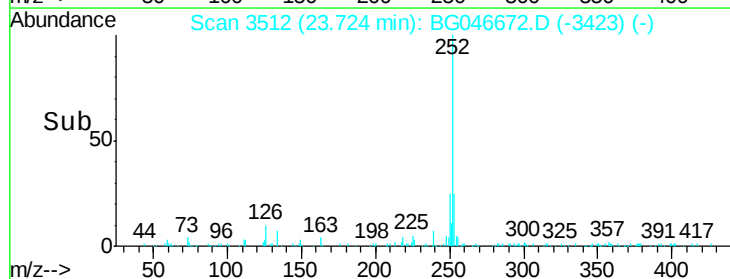
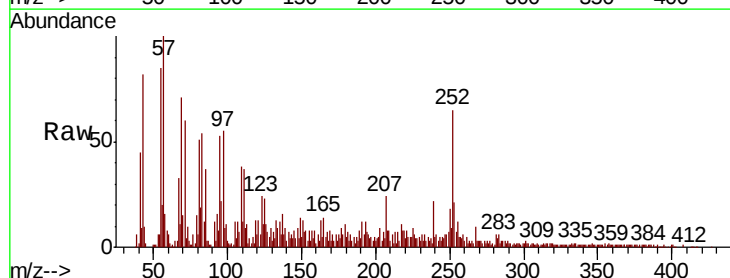
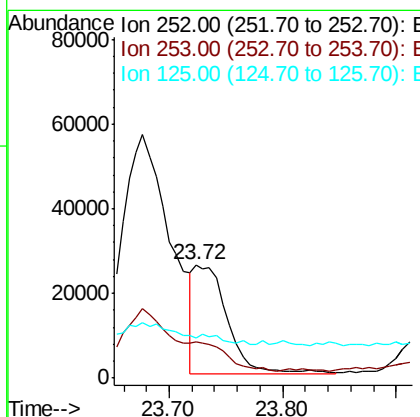
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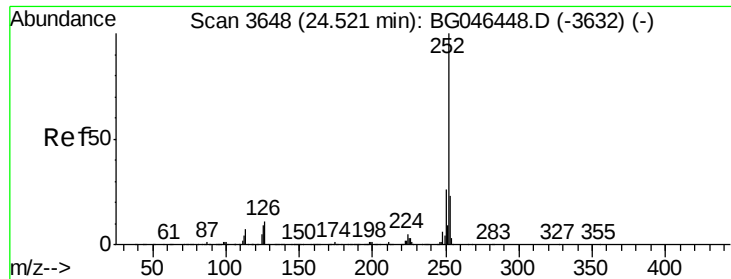
mohammad
9/21/2020 10:33:44 AM



#89
Benzo(k)fluoranthene
Concen: 2.386 ng m
RT: 23.72 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.1	18.6	27.8#
125	35.9	6.8	10.2#





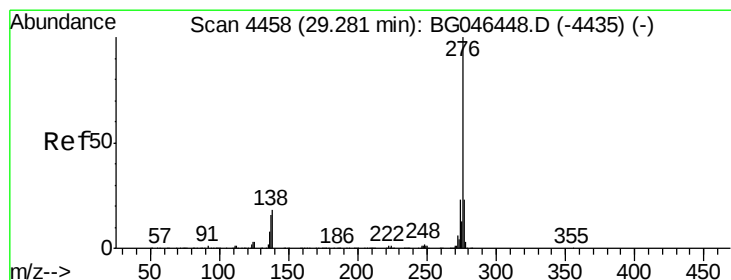
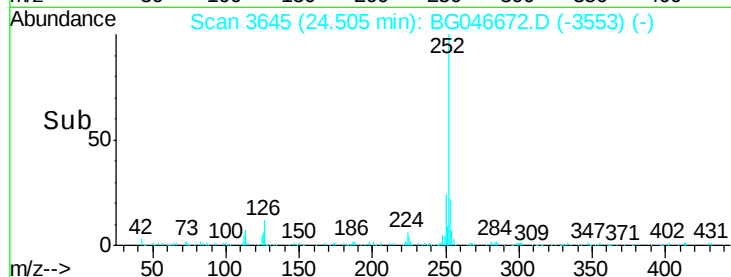
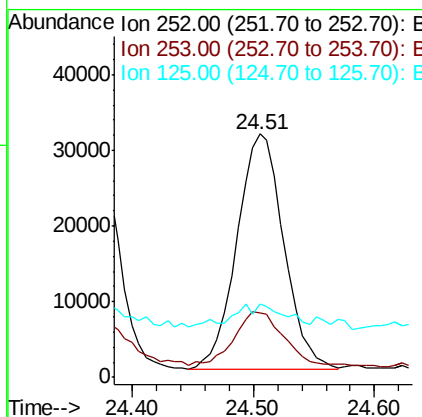
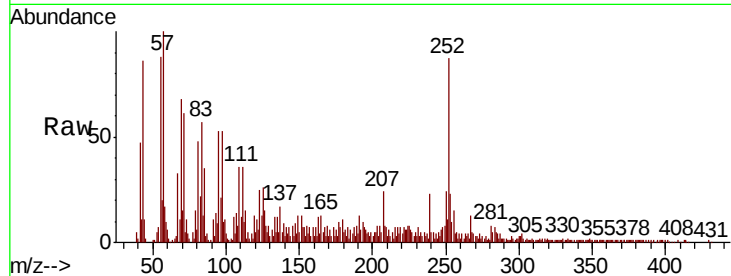
#90
Benzo(a)pyrene
Concen: 3.936 ng
RT: 24.51 min Scan# 3645
Delta R.T. 0.01 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Instrument :
BNA_G
ClientSampleId :
KTS-ST-0102-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.9	26.9
125	29.9	7.0	10.4

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#92
Benzo(g,h,i)perylene
Concen: 3.008 ng
RT: 29.26 min Scan# 4454
Delta R.T. 0.02 min
Lab File: BG046672.D
Acq: 18 Sep 2020 16:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.6	29.4
138	28.8	13.4	20.2

