

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\
 Data File : BG042422.D
 Acq On : 23 Aug 2019 4:36
 Operator : HP/JU
 Sample : K4087-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-082119

Manual Integrations
 APPROVED

Jagrut
 8/23/2019 2:54:32 PM

Quant Time: Aug 23 14:16:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	122640	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	478161	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	307336	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	606595	20.00	ng	0.00
76) Chrysene-d12	21.69	240	585115	20.00	ng	0.00
87) Perylene-d12	24.94	264	702973	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	672935	111.13	ng	0.00
7) Phenol-d6	7.17	99	929019	113.58	ng	0.00
23) Nitrobenzene-d5	9.17	82	528967	76.45	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	371379	85.02	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1341177	73.81	ng	0.00
79) Terphenyl-d14	20.03	244	1764509	65.20	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.11	163	277357	12.507	ng	Qvalue 100
71) Phenanthrene	17.46	178	148243	4.920	ng	98
75) Fluoranthene	19.47	202	403639	10.977	ng	96
78) Pyrene	19.83	202	369548	10.302	ng	98
81) Benzo(a)anthracene	21.67	228	176957	4.972	ng	98
83) Chrysene	21.74	228	182942	5.329	ng	97
86) Indeno(1,2,3-cd)pyrene	28.65	276	128163	2.747	ng	# 92
88) Benzo(b)fluoranthene	23.91	252	267176	6.913	ng	# 93
89) Benzo(k)fluoranthene	23.97	252	87203m	2.347	ng	
90) Benzo(a)pyrene	24.79	252	197140	5.376	ng	# 91
92) Benzo(g,h,i)perylene	29.80	276	133188	3.586	ng	# 89

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

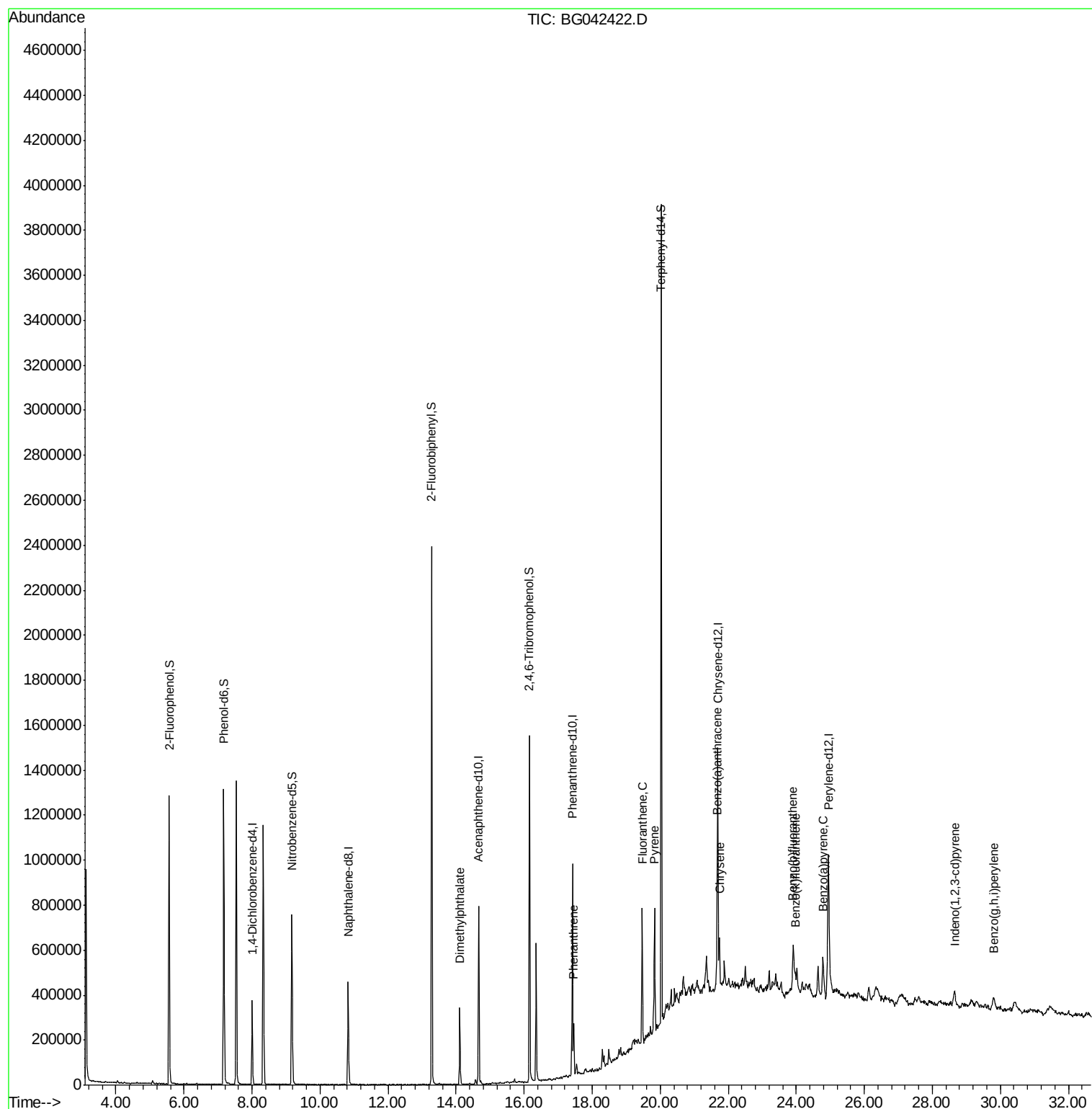
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\
Data File : BG042422.D
Acq On : 23 Aug 2019 4:36
Operator : HP/JU
Sample : K4087-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

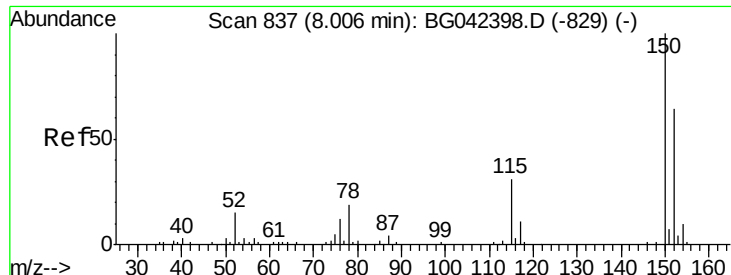
Instrument :
BNA_G
ClientSampleId :
HD-02-082119

Manual Integrations
APPROVED

Jagrut
8/23/2019 2:54:32 PM

Quant Time: Aug 23 14:16:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration





#1

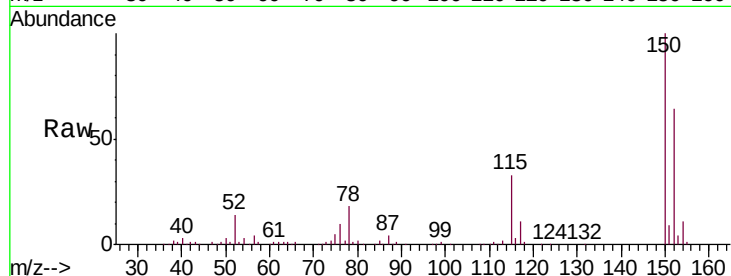
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Instrument :
BNA_G
ClientSampleId :
HD-02-082119

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.4	188.0
115	51.5	38.5	57.7

Manual Integrations
APPROVED

Jagrut
8/23/2019 2:54:32 PM

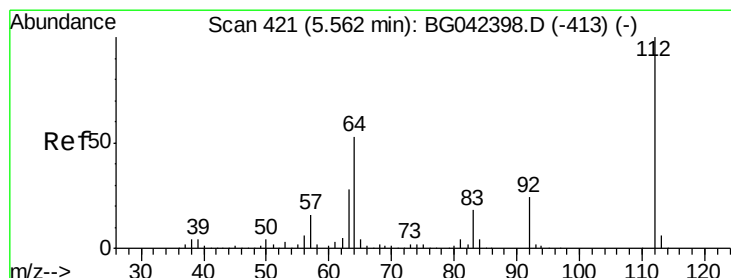
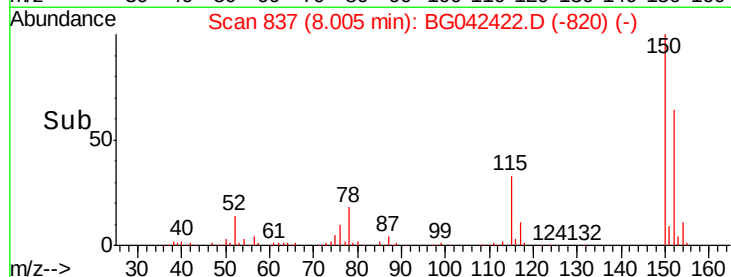
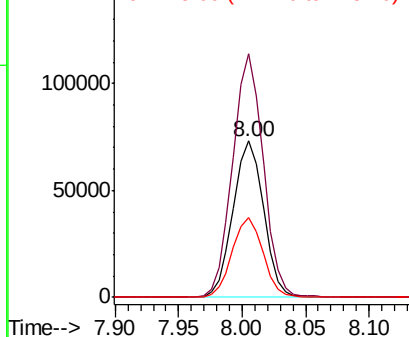


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

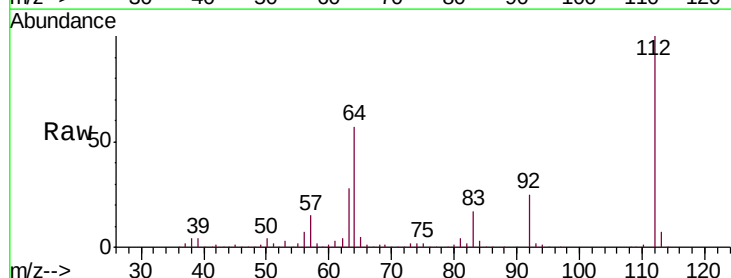
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 111.129 ng
RT: 5.56 min Scan# 421
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	42.8	64.2
63	28.3	22.7	34.1

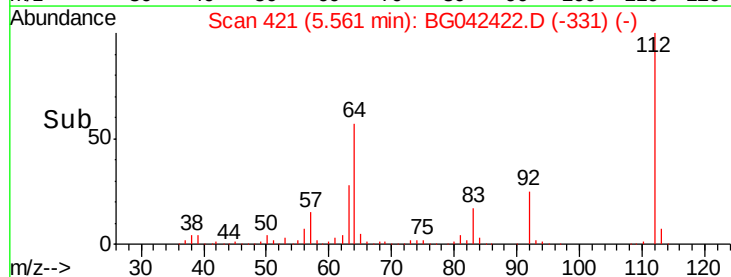
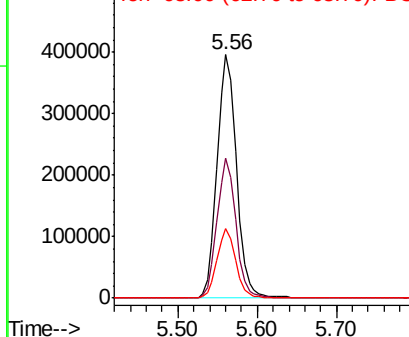


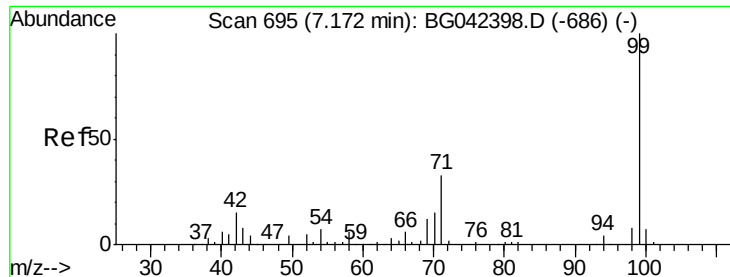
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 113.579 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG042422.D

Acq: 23 Aug 2019 4:36

Instrument :

BNA_G

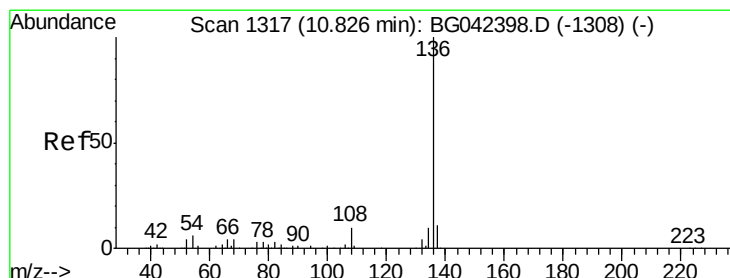
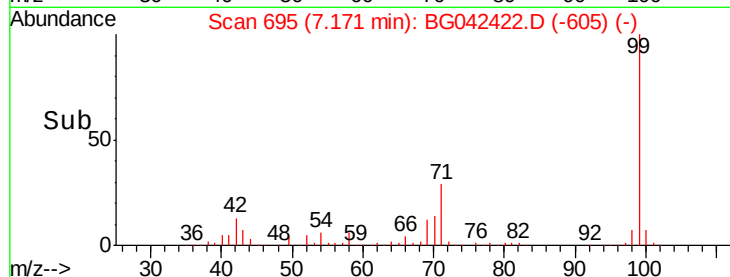
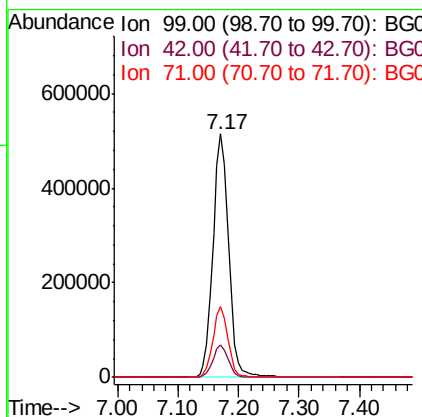
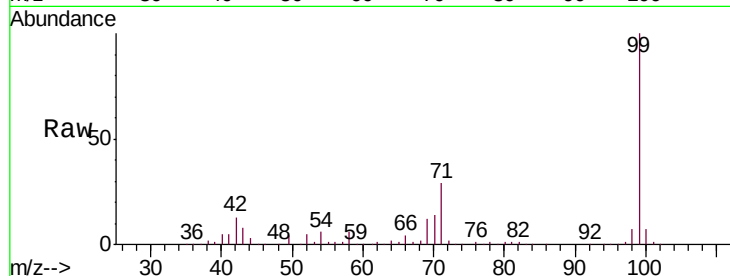
ClientSampleId :

HD-02-082119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		929019		
42	13.3	12.0	18.0		
71	29.2	26.3	39.5		

Manual Integrations
APPROVED

Jagrut
8/23/2019 2:54:32 PM



#21

Naphthalene-d8

Concen: 20.000 ng

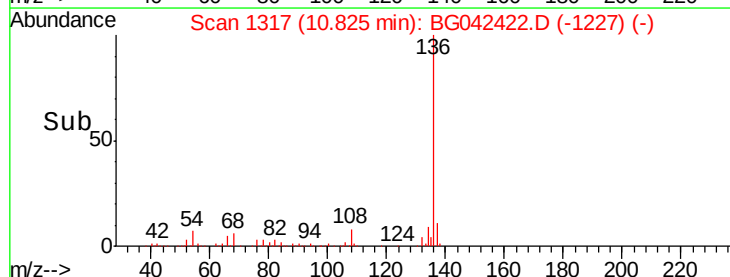
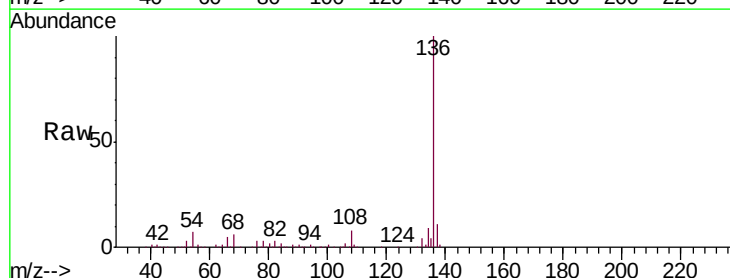
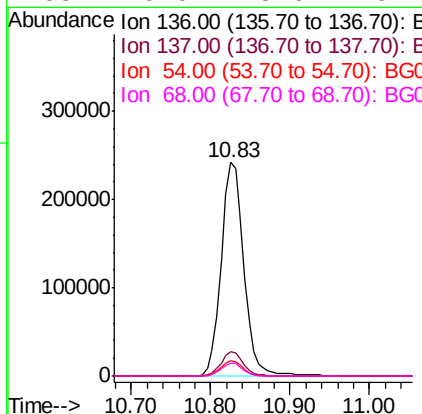
RT: 10.83 min Scan# 1317

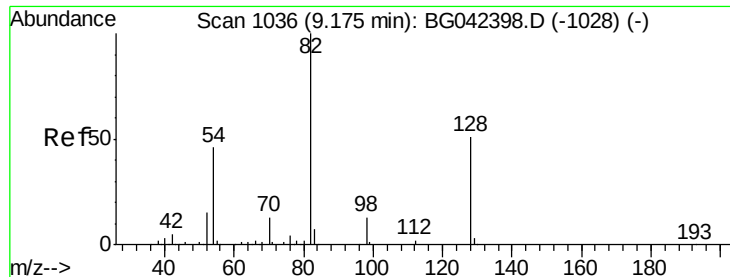
Delta R.T. -0.00 min

Lab File: BG042422.D

Acq: 23 Aug 2019 4:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		478161		
137	11.2	8.7	13.1		
54	7.4	4.9	7.3#		
68	6.0	3.6	5.4#		





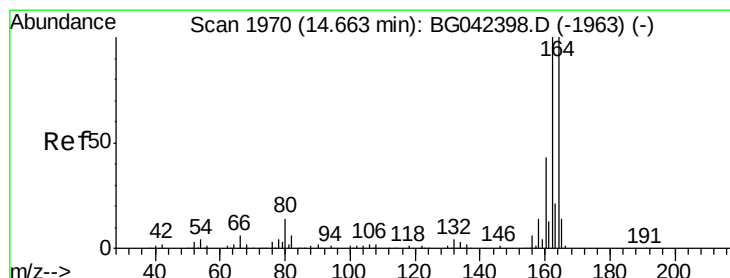
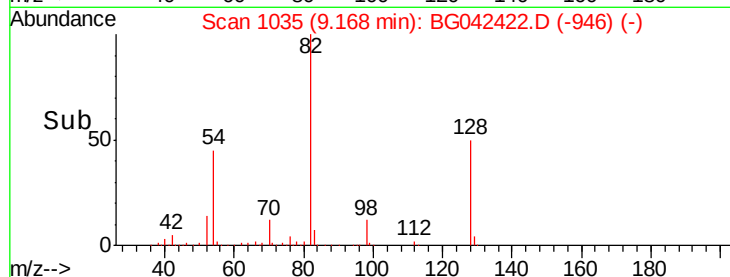
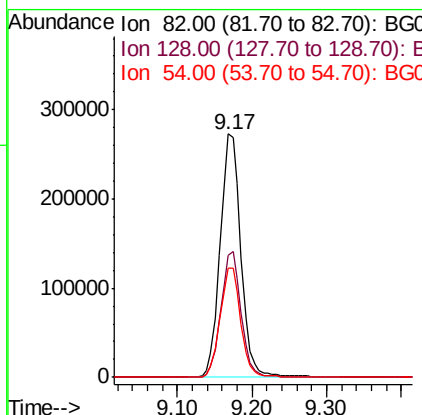
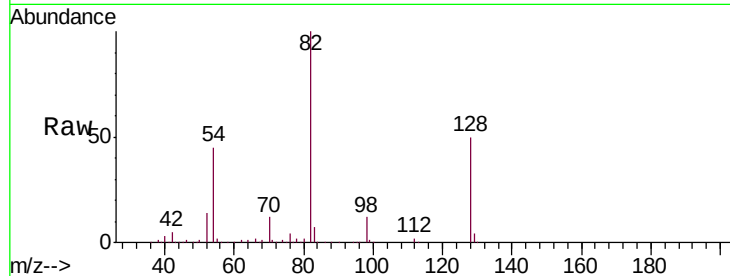
#23
Nitrobenzene-d5
Concen: 76.446 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Instrument :
BNA_G
ClientSampleId :
HD-02-082119

Tot Ion	Ratio	Resp	Lower	Upper
82	100	528967		
128	50.2		40.7	61.1
54	44.9		36.3	54.5

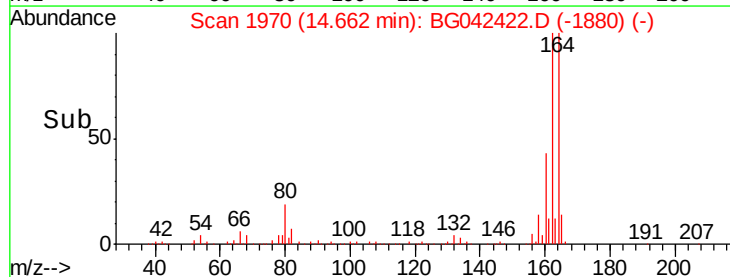
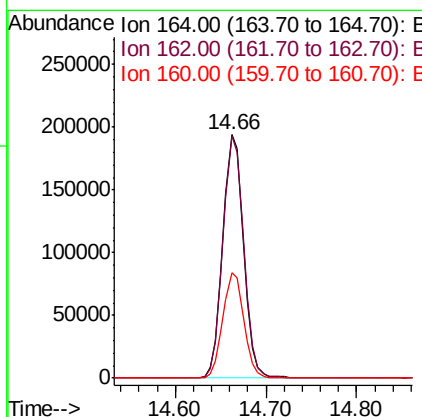
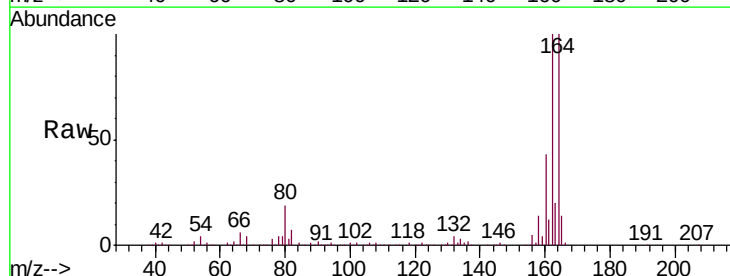
Manual Integrations
APPROVED

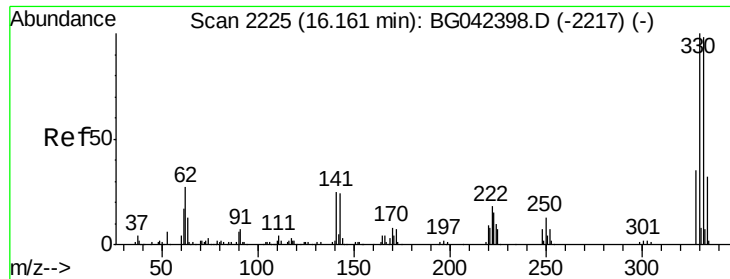
Jagrut
8/23/2019 2:54:32 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	307336		
162	99.6		79.9	119.9
160	43.3		34.3	51.5





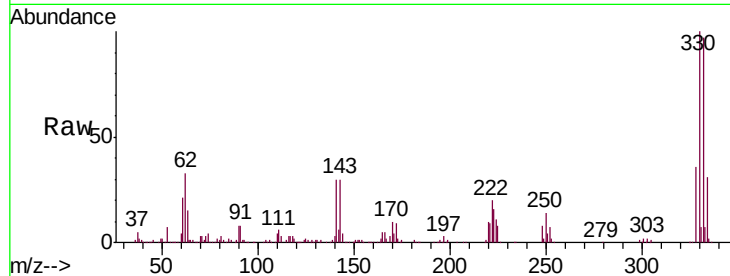
#42
 2,4,6-Tribromophenol
 Concen: 85.017 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BG042422.D
 Acq: 23 Aug 2019 4:36

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-082119

Tot Ion	Ratio	Resp	Lower	Upper
330	100	371379		
332	95.5	77.4	116.0	
141	31.3	21.4	32.0	

Manual Integrations
 APPROVED

Jagrut
 8/23/2019 2:54:32 PM

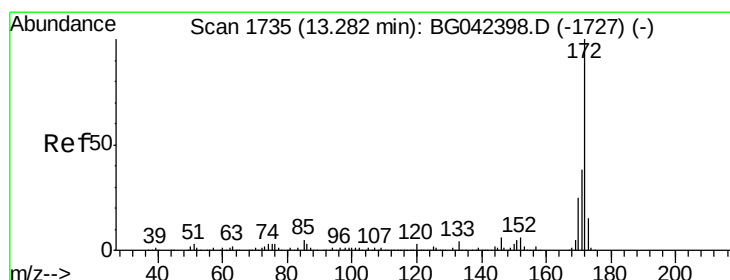
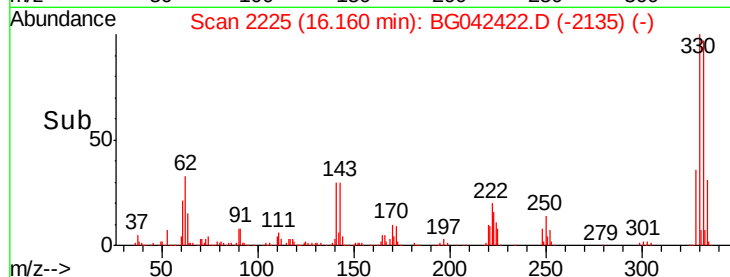
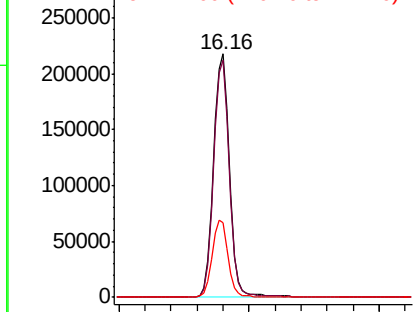


Abundance

Ion 329.80 (329.50 to 330.50): E

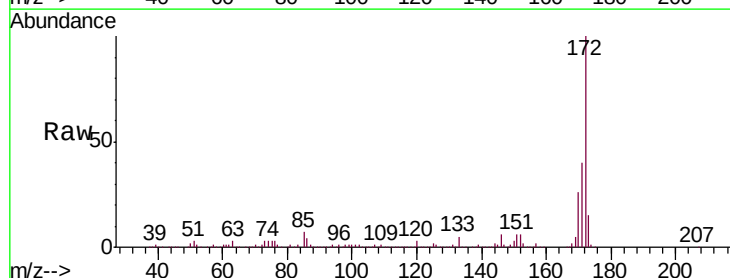
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 73.806 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG042422.D
 Acq: 23 Aug 2019 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1341177		
171	39.8	30.5	45.7	
170	26.2	20.2	30.2	

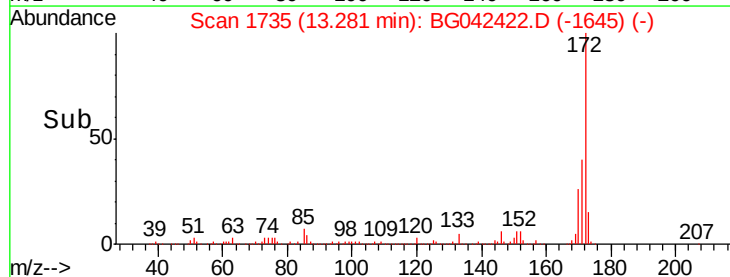
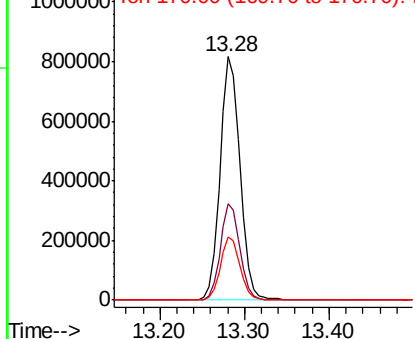


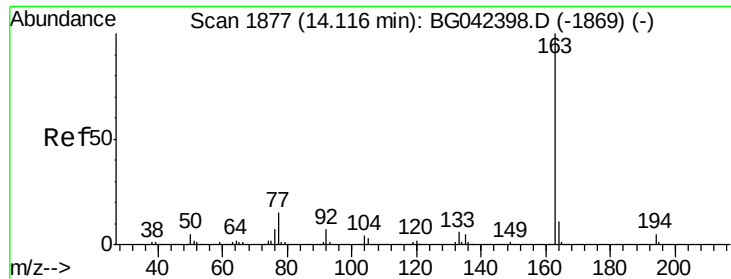
Abundance

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





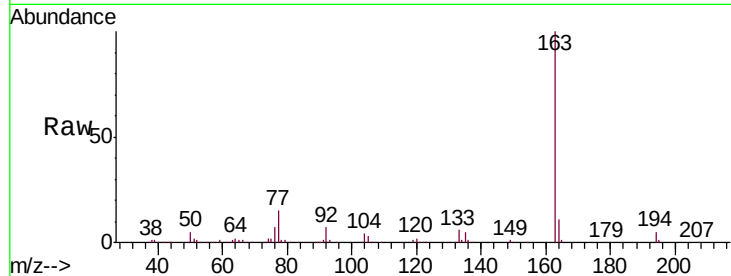
#50
Dimethylphthalate
Concen: 12.507 ng
RT: 14.11 min Scan# 1876
Delta R.T. -0.01 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Instrument :
BNA_G
ClientSampleId :
HD-02-082119

Tot Ion	Ratio	Resp	Lower	Upper
163	100	277357		
194	4.9		4.2	6.2
164	10.9		8.8	13.2

Manual Integrations
APPROVED

Jagrut
8/23/2019 2:54:32 PM

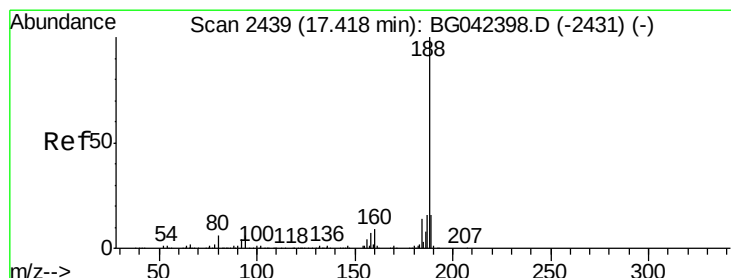
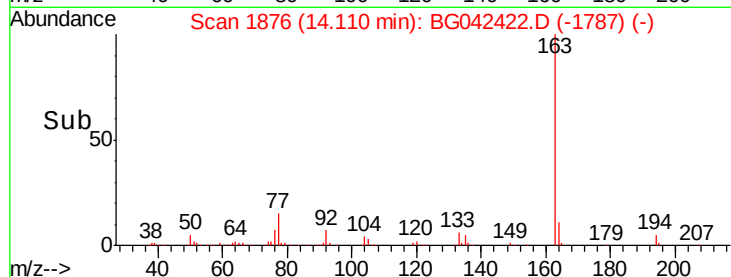
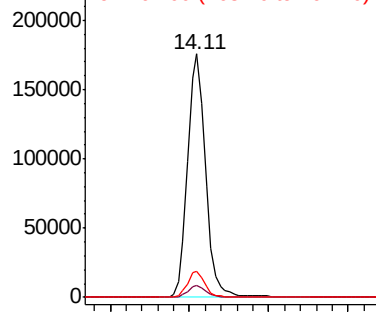


Abundance

Ion 163.00 (162.70 to 163.70): E

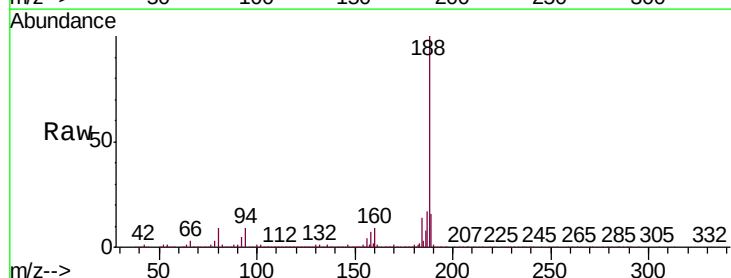
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	606595		
94	8.7		4.5	6.7#
80	8.6		4.9	7.3#

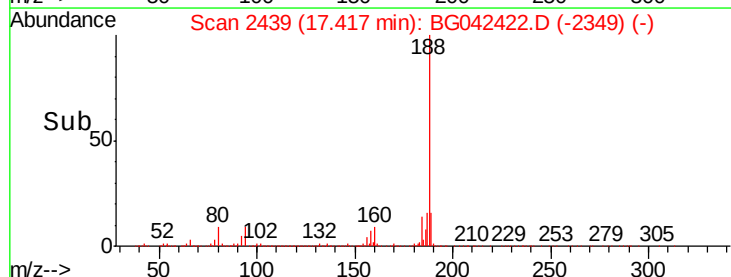
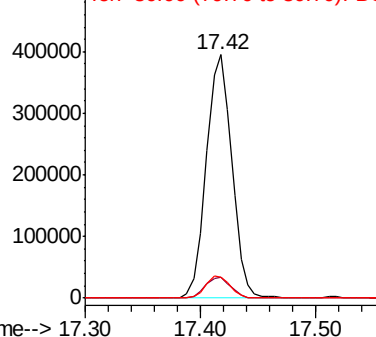


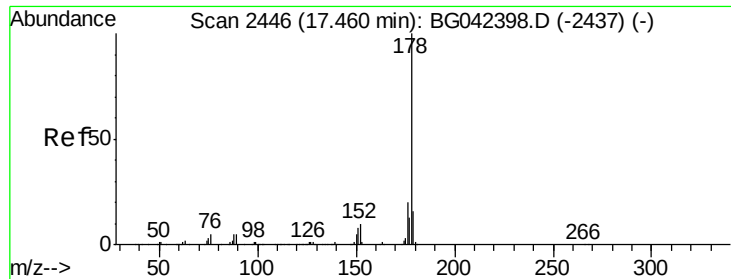
Abundance

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





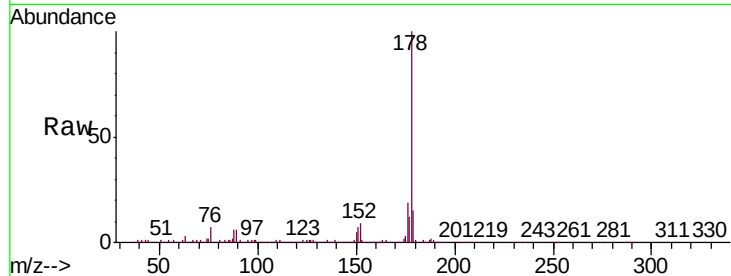
#71
Phenanthrene
Concen: 4.920 ng
RT: 17.46 min Scan# 2446
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Instrument :
BNA_G
ClientSampled :
HD-02-082119

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	14.8	12.7	19.1

Manual Integrations
APPROVED

Jagrut
8/23/2019 2:54:32 PM

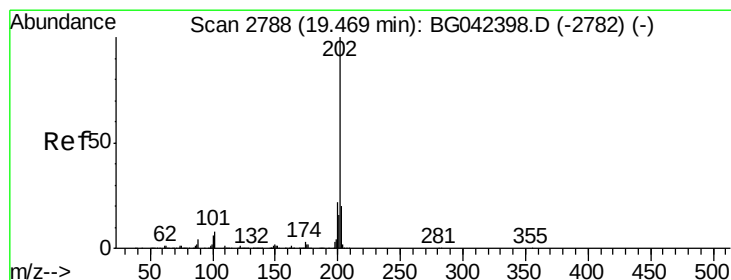
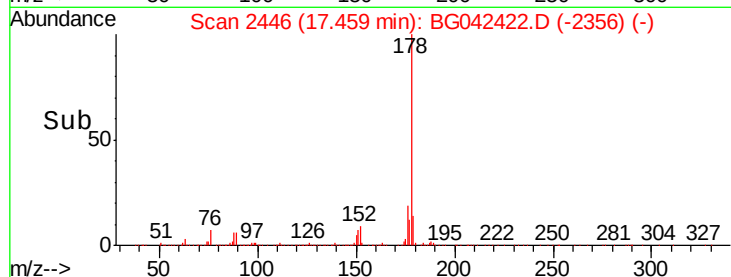
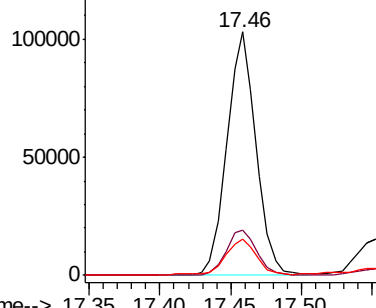


Abundance

Ion 178.00 (177.70 to 178.70): E

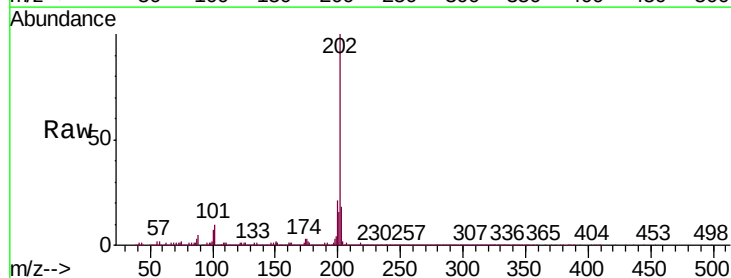
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 10.977 ng
RT: 19.47 min Scan# 2789
Delta R.T. 0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	28.3
203	18.1	0.0	39.6

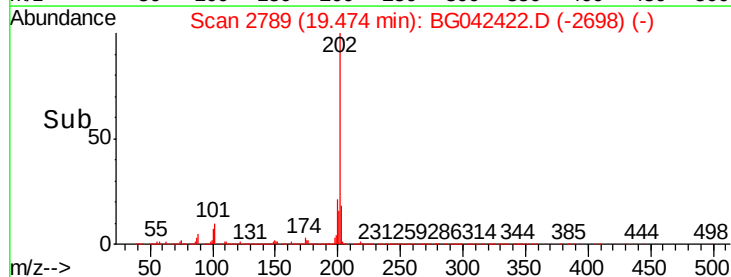
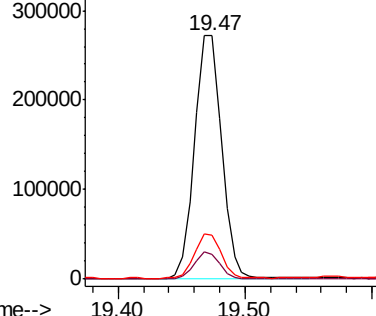


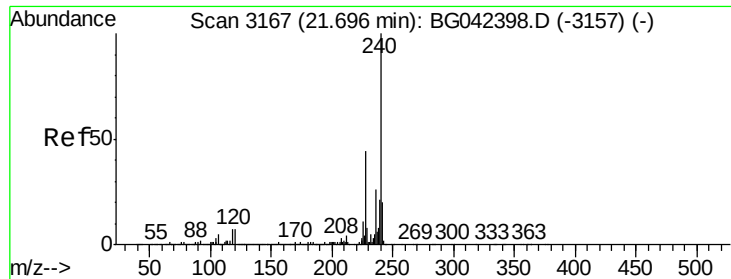
Abundance

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





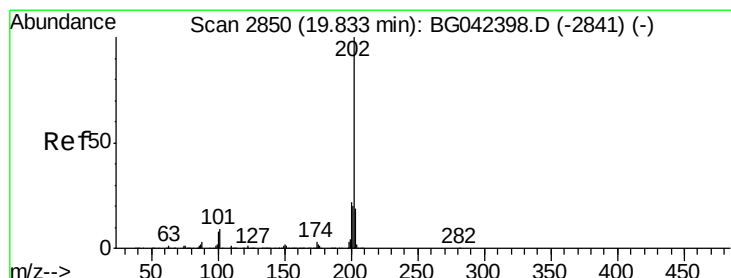
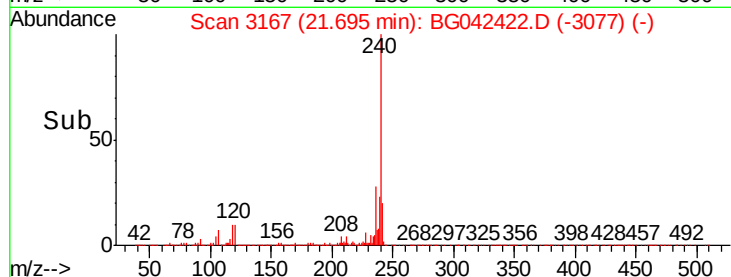
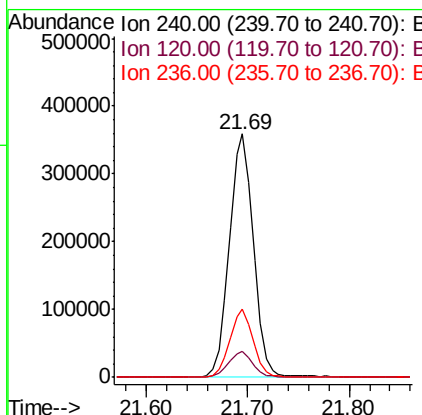
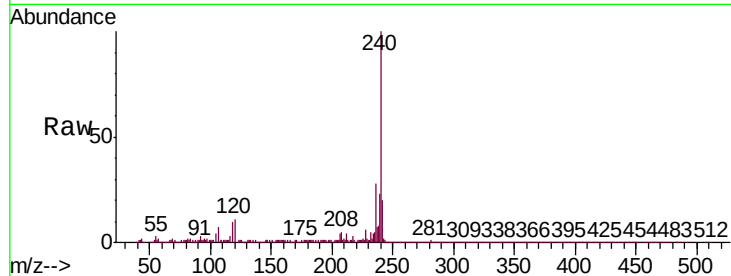
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3167
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Instrument :
BNA_G
ClientSampleId :
HD-02-082119

Tot Ion	Ratio	Resp	Lower	Upper
240	100	585115		
120	10.6	5.7	8.5#	
236	28.0	21.0	31.4	

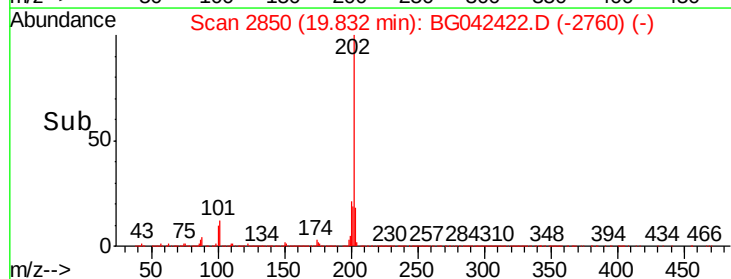
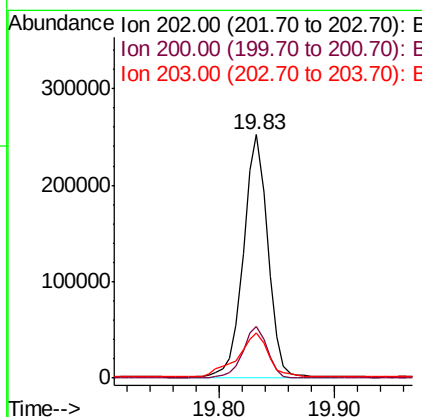
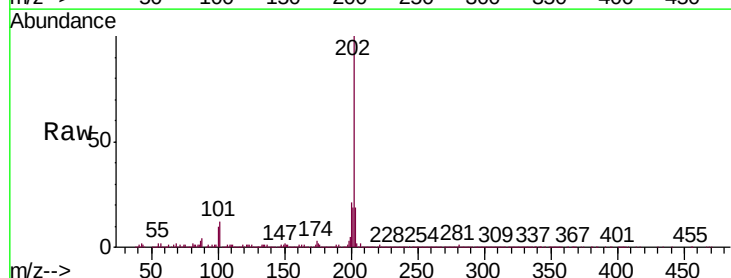
Manual Integrations
APPROVED

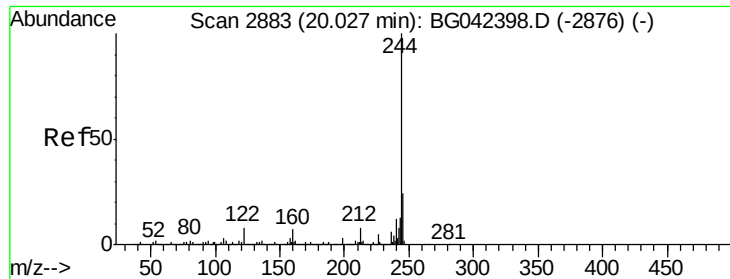
Jagrut
8/23/2019 2:54:32 PM



#78
Pyrene
Concen: 10.302 ng
RT: 19.83 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	369548		
200	21.2	17.8	26.6	
203	18.5	15.5	23.3	





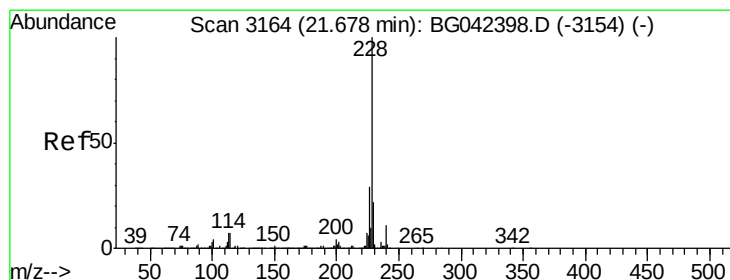
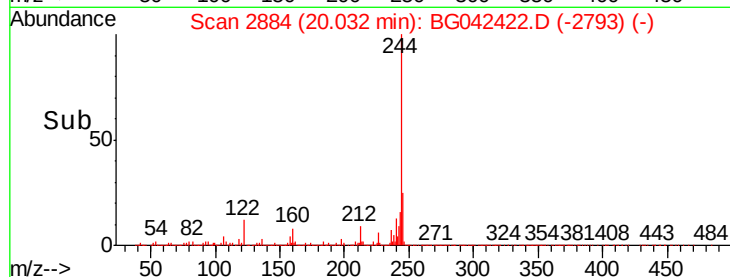
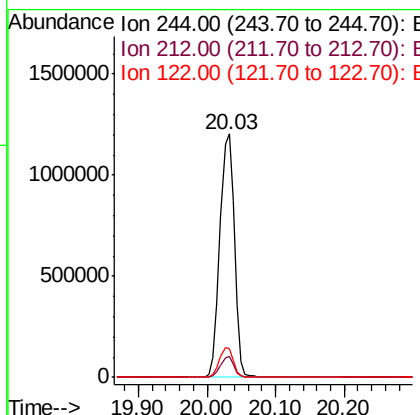
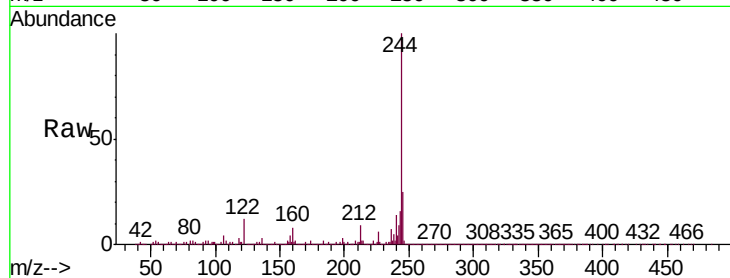
#79
 Terphenyl-d14
 Concen: 65.196 ng
 RT: 20.03 min Scan# 2884
 Delta R.T. 0.00 min
 Lab File: BG042422.D
 Acq: 23 Aug 2019 4:36

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-082119

Tot Ion:244 Resp: 1764509
 Ion Ratio Lower Upper
 244 100
 212 8.8 6.0 9.0
 122 11.9 6.7 10.1#

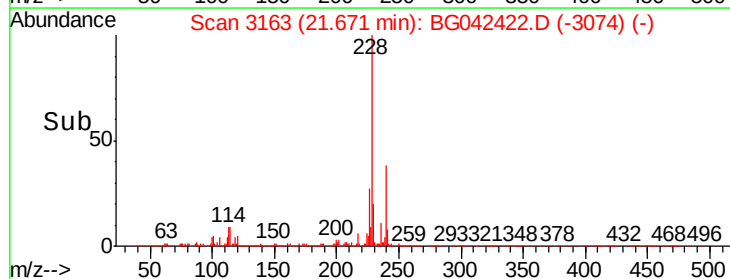
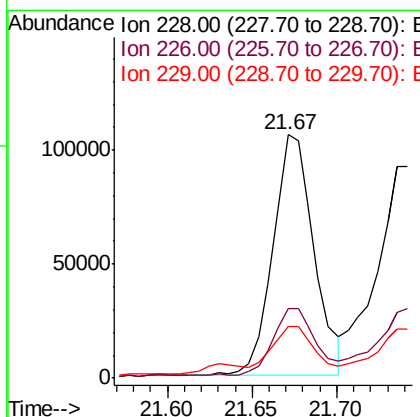
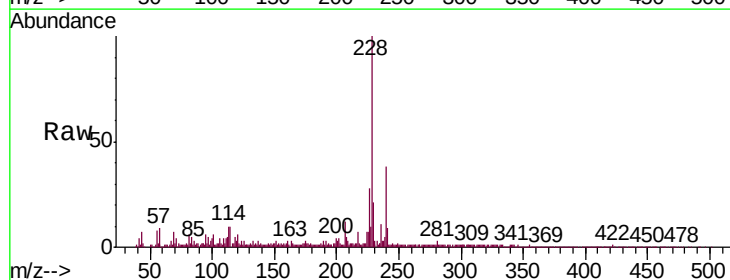
Manual Integrations
 APPROVED

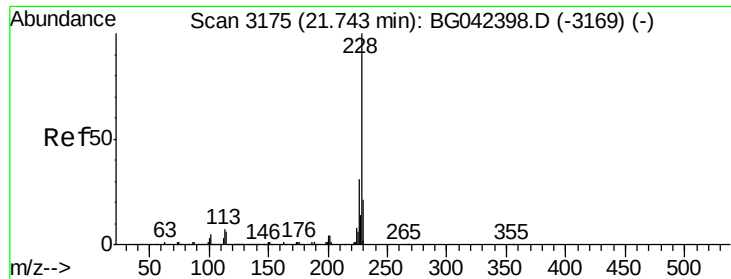
Jagrut
 8/23/2019 2:54:32 PM



#81
 Benzo(a)anthracene
 Concen: 4.972 ng
 RT: 21.67 min Scan# 3163
 Delta R.T. -0.01 min
 Lab File: BG042422.D
 Acq: 23 Aug 2019 4:36

Tgt Ion:228 Resp: 176957
 Ion Ratio Lower Upper
 228 100
 226 28.3 23.4 35.2
 229 21.3 17.4 26.2





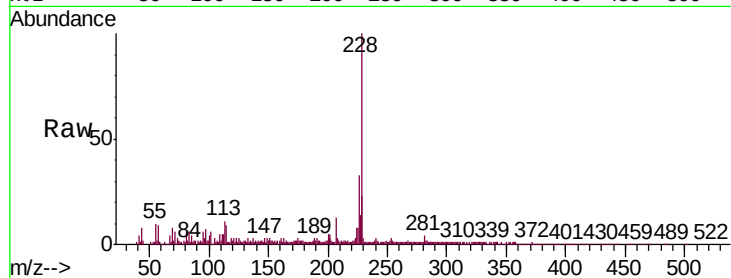
#83
Chrysene
Concen: 5.329 ng
RT: 21.74 min Scan# 3175
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Instrument :
BNA_G
ClientSampled :
HD-02-082119

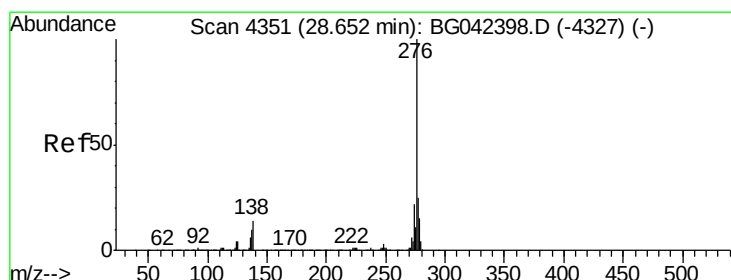
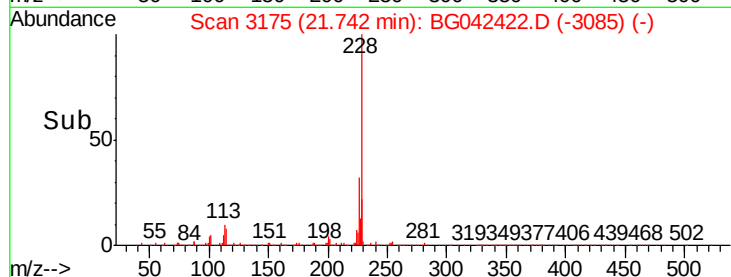
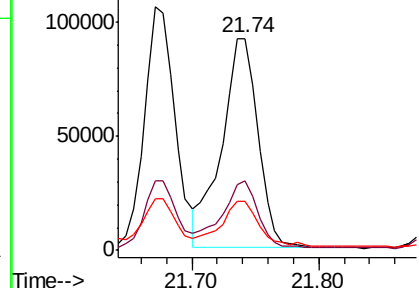
Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	32.7		24.9	37.3	
229	23.2		16.9	25.3	

Manual Integrations
APPROVED

Jagrut
8/23/2019 2:54:32 PM

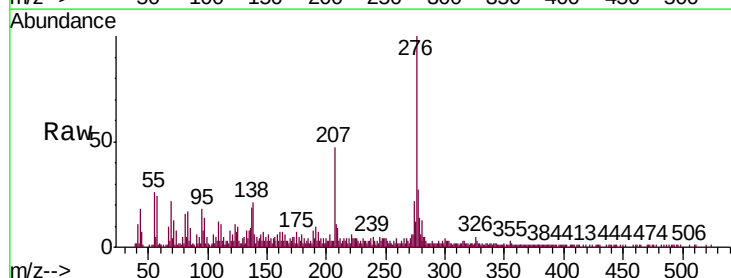


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

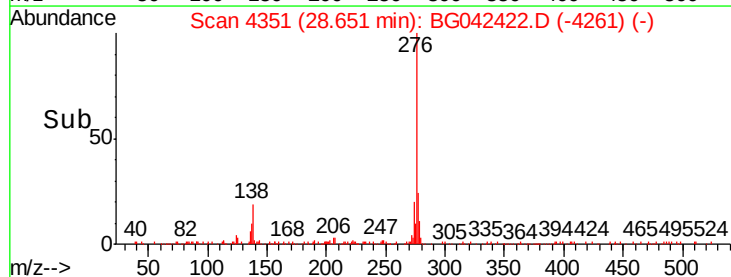
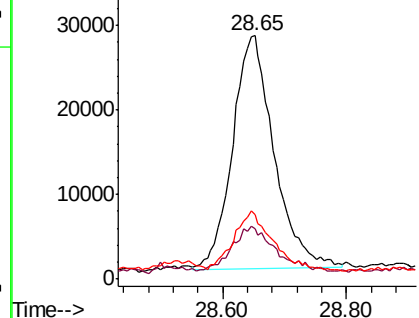


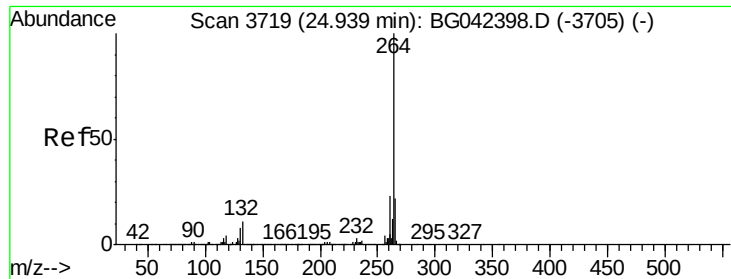
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.747 ng
RT: 28.65 min Scan# 4351
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	19.5		9.2	13.8#	
277	25.2		21.0	31.6	



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.94 min Scan# 3720

Delta R.T. 0.00 min

Lab File: BG042422.D

Acq: 23 Aug 2019 4:36

Instrument :

BNA_G

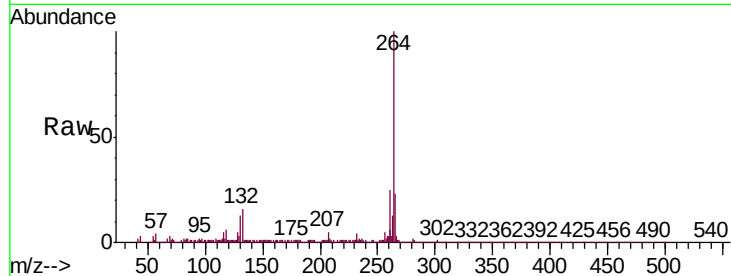
ClientSampleId :

HD-02-082119

Tot Ion:	264	Resp:	702973
Ion Ratio	Lower	Upper	
264	100		
260	24.7	18.5	27.7
265	23.3	17.6	26.4

Manual Integrations
APPROVED

Jagrut
8/23/2019 2:54:32 PM

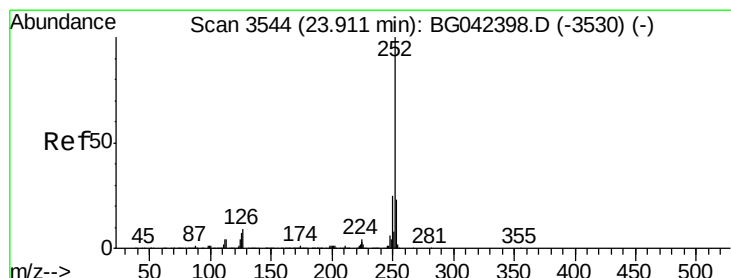
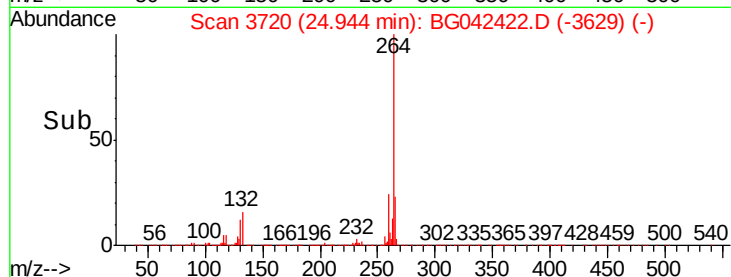
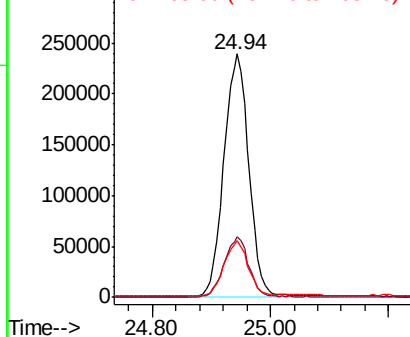


Abundance

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: 6.913 ng

RT: 23.91 min Scan# 3544

Delta R.T. -0.00 min

Lab File: BG042422.D

Acq: 23 Aug 2019 4:36

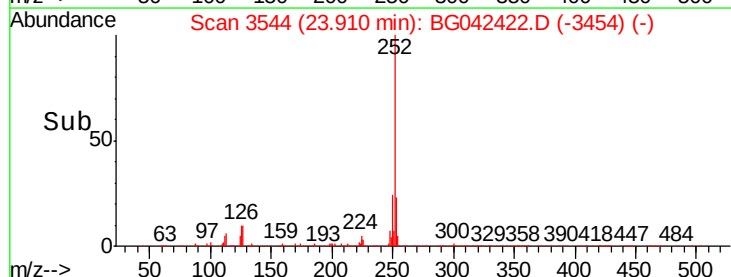
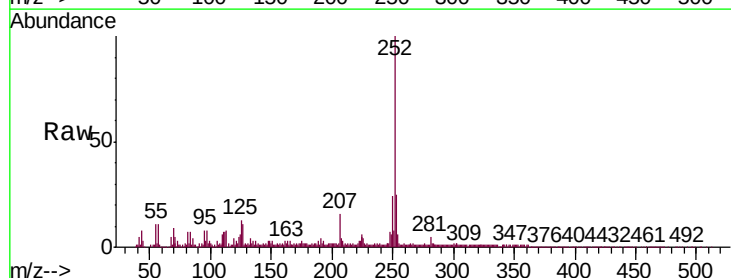
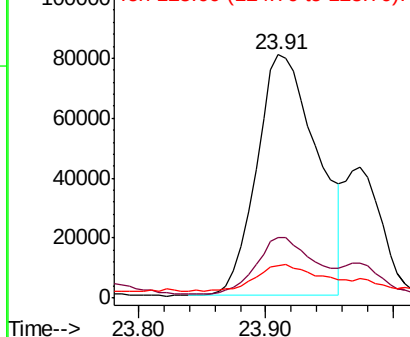
Tgt Ion:	252	Resp:	267176
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.6	27.8
125	13.2	5.6	8.4#

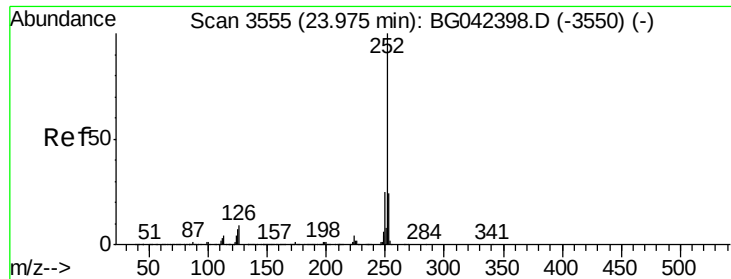
Abundance

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





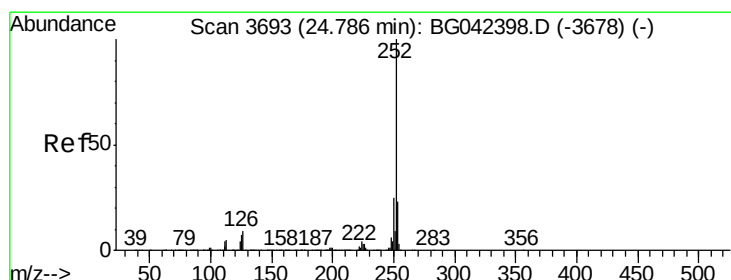
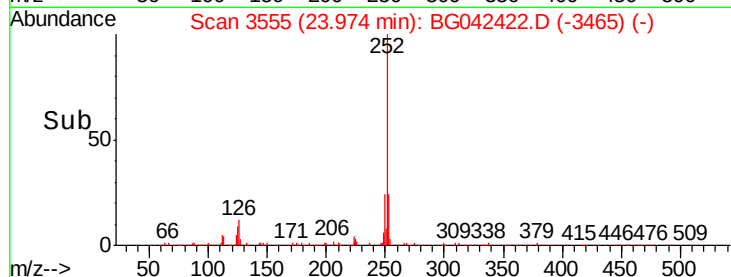
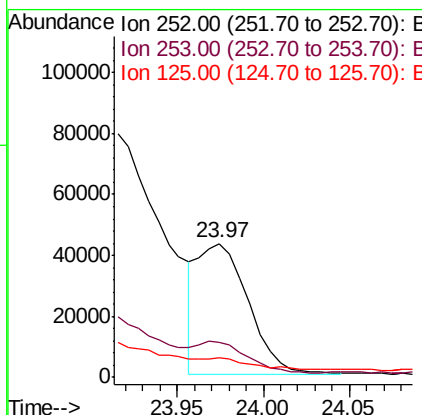
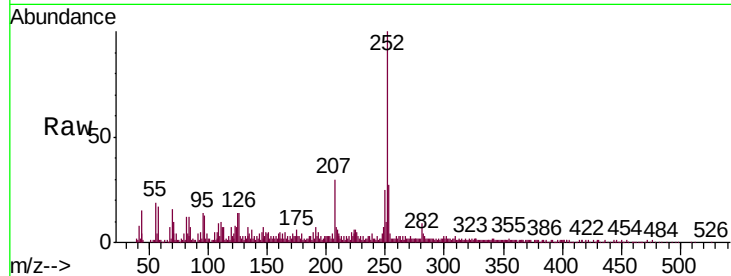
#89
Benzo(k)fluoranthene
Concen: 2.347 ng/mL
RT: 23.97 min Scan# 3555
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Instrument :
BNA_G
ClientSampleId :
HD-02-082119

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.6	27.8
125	14.5	5.8	8.6

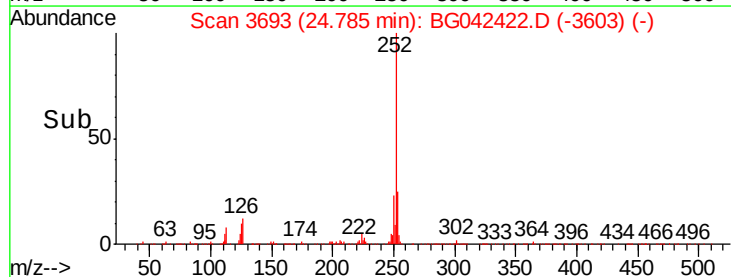
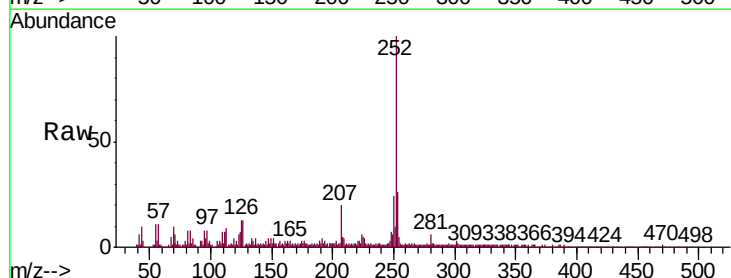
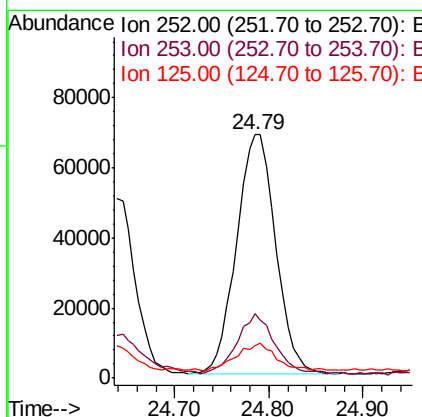
Manual Integrations
APPROVED

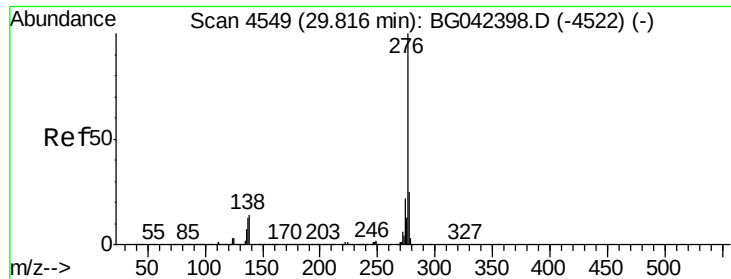
Jagrut
8/23/2019 2:54:32 PM



#90
Benzo(a)pyrene
Concen: 5.376 ng/mL
RT: 24.79 min Scan# 3693
Delta R.T. -0.00 min
Lab File: BG042422.D
Acq: 23 Aug 2019 4:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.4	27.6
125	13.4	6.0	9.0





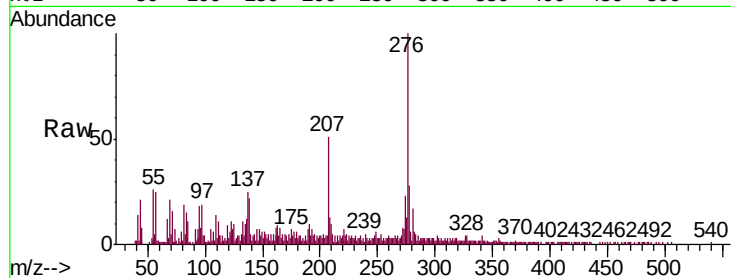
#92
 Benzo(a,h,i)perylene
 Concen: 3.586 ng
 RT: 29.80 min Scan# 4547
 Delta R.T. -0.01 min
 Lab File: BG042422.D
 Acq: 23 Aug 2019 4:36

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-082119

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.0	19.8	29.8
138	21.8	11.4	17.0

Manual Integrations
 APPROVED

Jagrut
 8/23/2019 2:54:32 PM



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

