

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\
 Data File : BG042421.D
 Acq On : 23 Aug 2019 3:58
 Operator : HP/JU
 Sample : K4086-01RE 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-082019

Manual Integrations
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Jagrut
 8/23/2019 2:54:30 PM

Quant Time: Aug 23 06:49:58 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	68819	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	256313	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	160623	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	317744	20.00	ng	0.00
76) Chrysene-d12	21.70	240	329655	20.00	ng	0.00
87) Perylene-d12	24.94	264	358528	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	411903	121.22	ng	0.00
7) Phenol-d6	7.17	99	502792	109.54	ng	0.00
23) Nitrobenzene-d5	9.17	82	247200	66.65	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	183632	80.43	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	696220	73.31	ng	0.00
79) Terphenyl-d14	20.03	244	1007682	66.09	ng	0.00
Target Compounds						
49) Acenaphthylene	14.39	152	27880	2.070	ng	Qvalue # 94
50) Dimethylphthalate	14.11	163	136919	11.814	ng	98
71) Phenanthrene	17.46	178	109081	6.911	ng	98
75) Fluoranthene	19.47	202	371156	19.269	ng	99
78) Pyrene	19.83	202	367533	18.185	ng	99
81) Benzo(a)anthracene	21.67	228	251374	12.535	ng	98
83) Chrysene	21.74	228	278473	14.399	ng	98
86) Indeno(1,2,3-cd)pyrene	28.66	276	208060	7.916	ng	# 95
88) Benzo(b)fluoranthene	23.92	252	388913	19.731	ng	# 95
89) Benzo(k)fluoranthene	23.98	252	135024m	7.127	ng	
90) Benzo(a)pyrene	24.79	252	285920	15.287	ng	# 96
91) Dibenzo(a,h)anthracene	28.70	278	49973	2.639	ng	# 66
92) Benzo(a,h,i)perylene	29.82	276	177480	9.370	ng	95

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

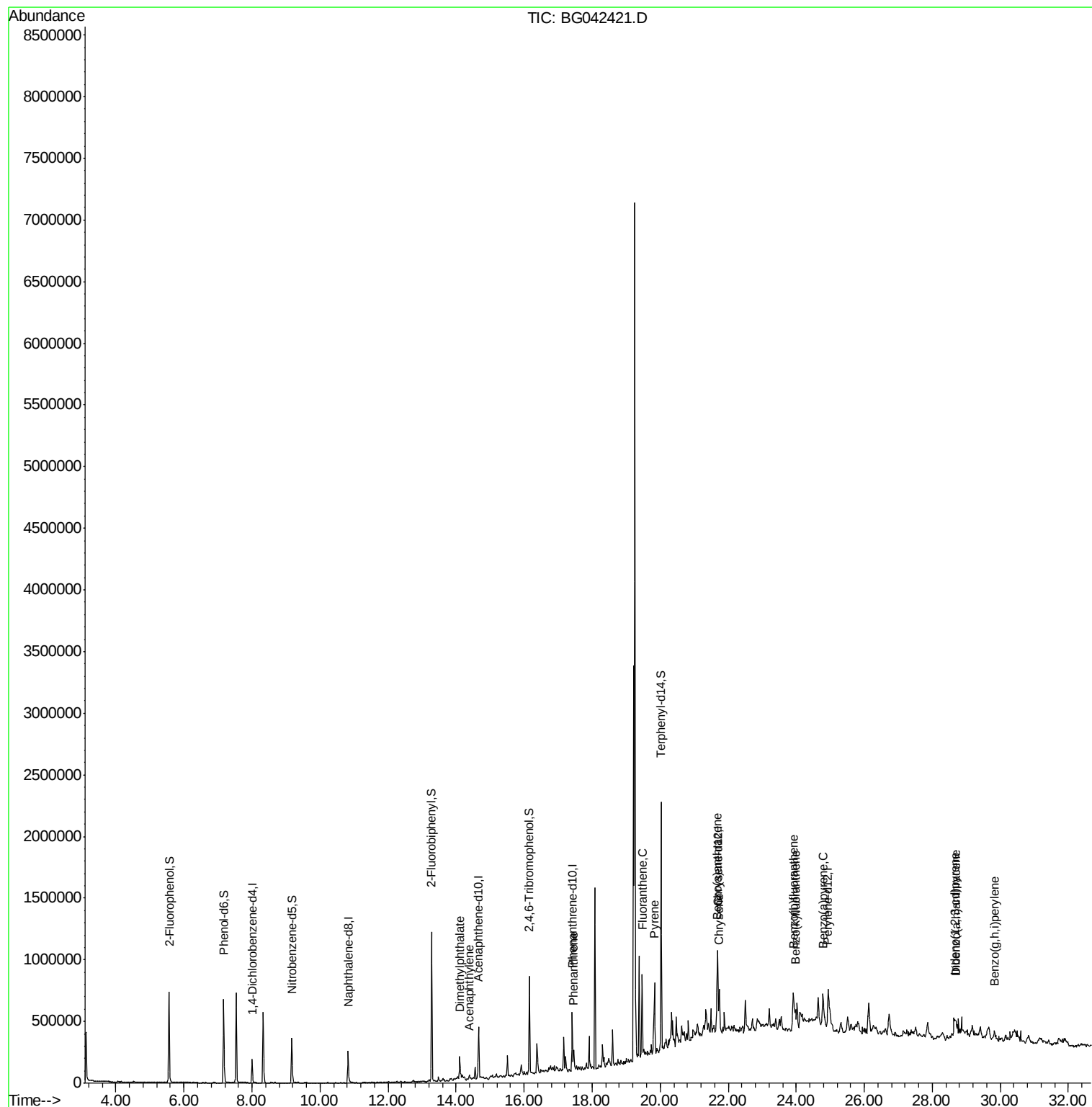
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\
Data File : BG042421.D
Acq On : 23 Aug 2019 3:58
Operator : HP/JU
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration





#1

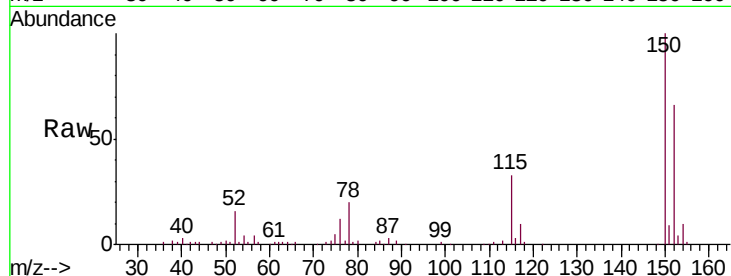
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.00 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: BG042421.D
 Acq: 23 Aug 2019 3:58

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-082019

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	125.4	188.0
115	50.7	38.5	57.7

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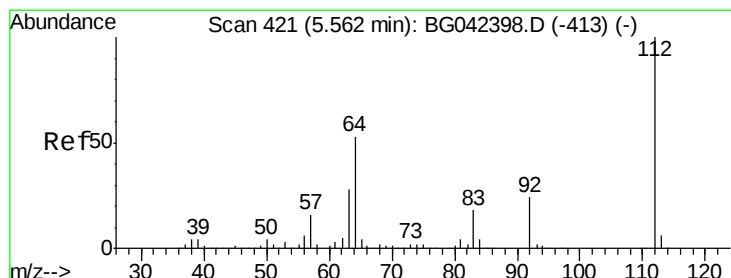
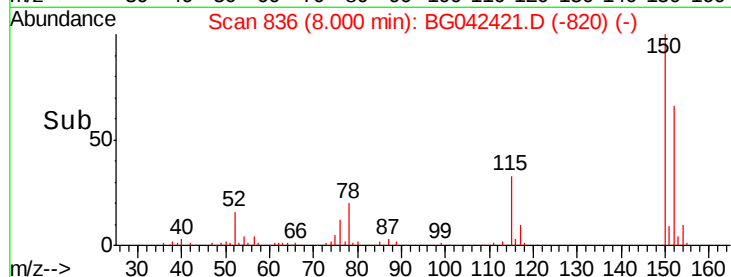
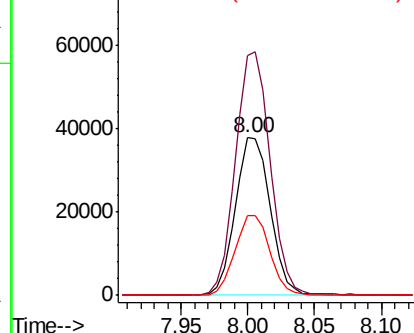


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

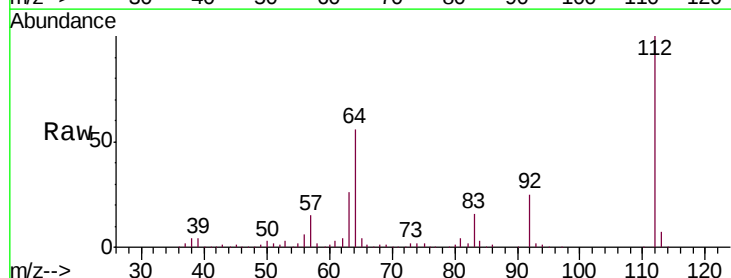
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 121.220 ng
 RT: 5.56 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: BG042421.D
 Acq: 23 Aug 2019 3:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	42.8	64.2
63	26.4	22.7	34.1

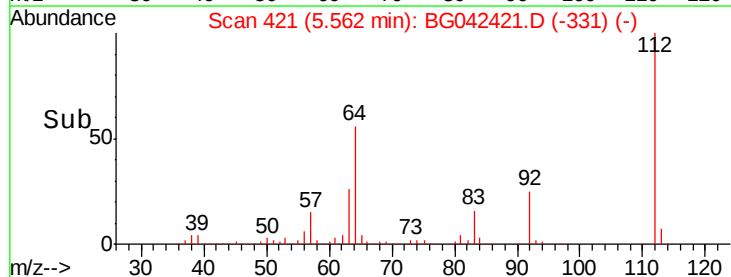
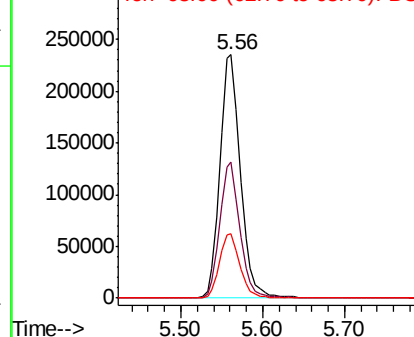


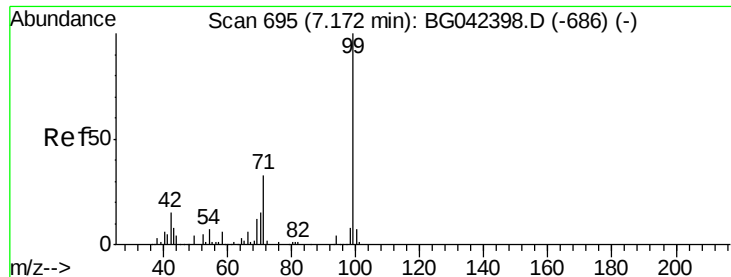
Abundance

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: 109.543 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042421.D

Acq: 23 Aug 2019 3:58

Instrument :

BNA_G

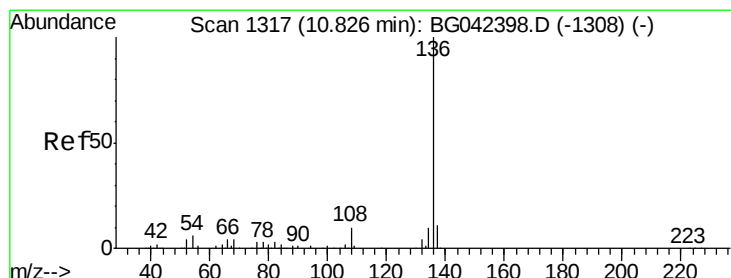
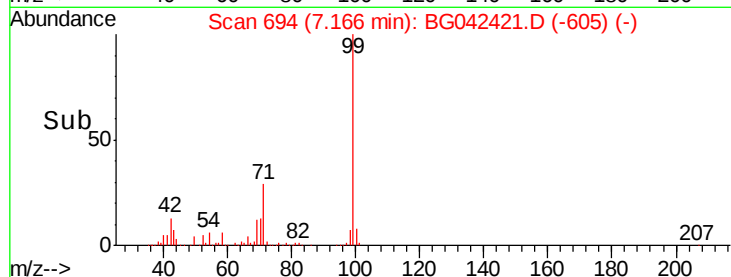
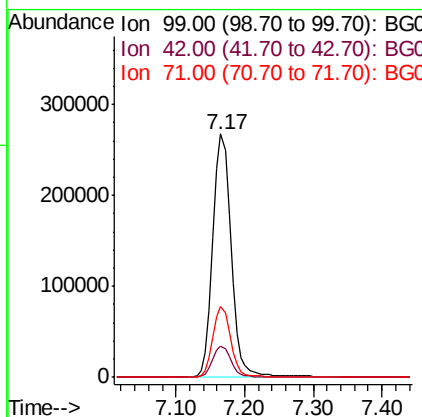
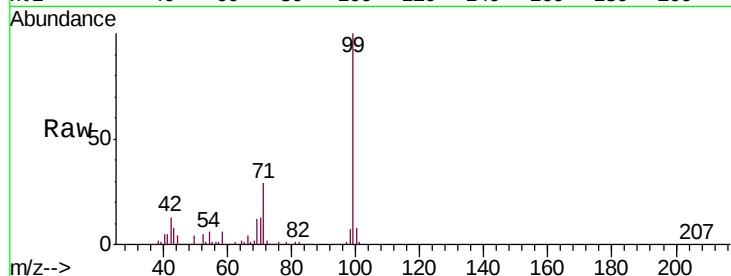
ClientSampleId :

NB-08-082019

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		502792		
42	12.9	12.0	18.0		
71	29.0	26.3	39.5		

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#21

Naphthalene-d8

Concen: 20.000 ng

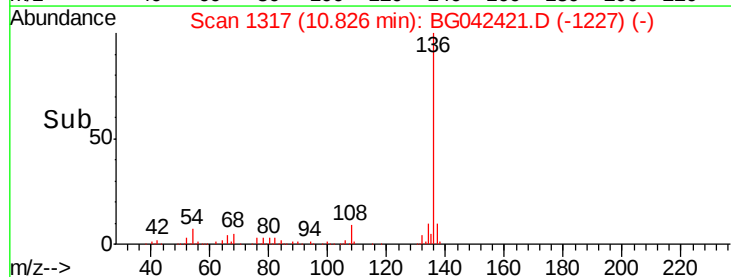
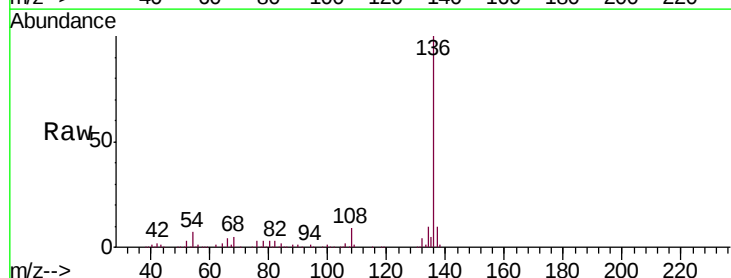
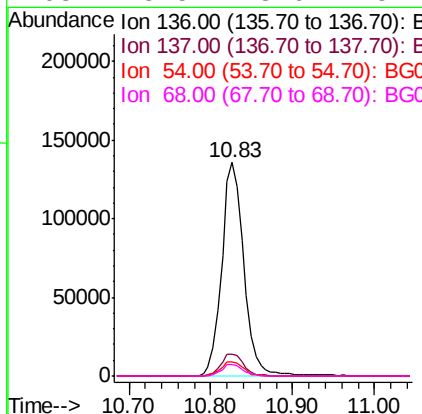
RT: 10.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BG042421.D

Acq: 23 Aug 2019 3:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		256313		
137	10.4	8.7	13.1		
54	6.8	4.9	7.3		
68	5.5	3.6	5.4#		





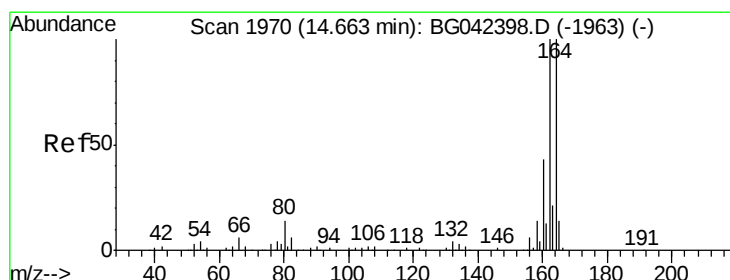
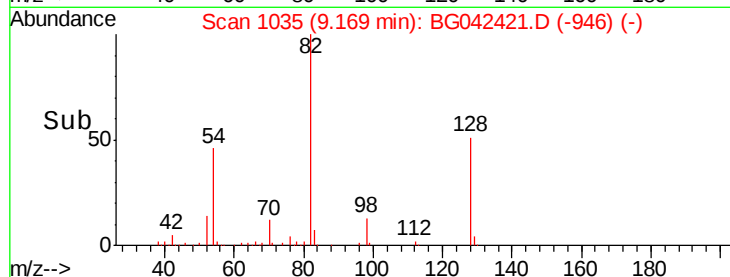
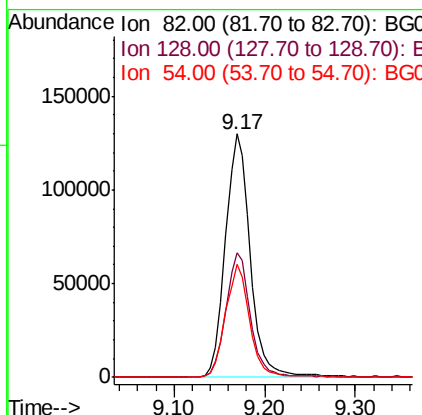
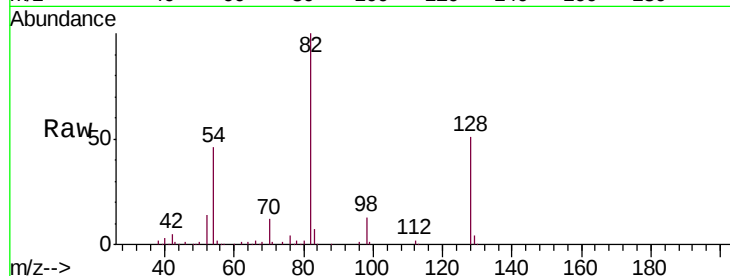
#23
Nitrobenzene-d5
Concen: 66.647 ng
RT: 9.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG042421.D
Acq: 23 Aug 2019 3:58

Instrument :
BNA_G
ClientSampleId :
NB-08-082019

Tot Ion	82	Resp	247200
Ion Ratio	100	Lower	Upper
82	100		
128	51.0	40.7	61.1
54	46.2	36.3	54.5

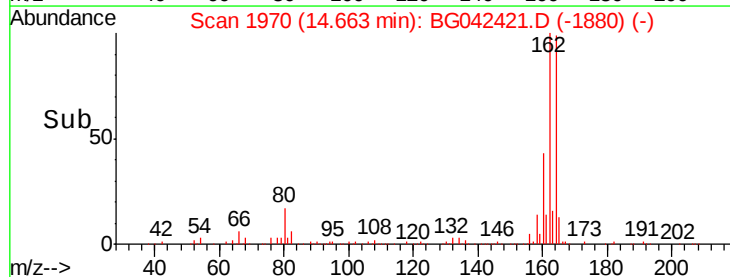
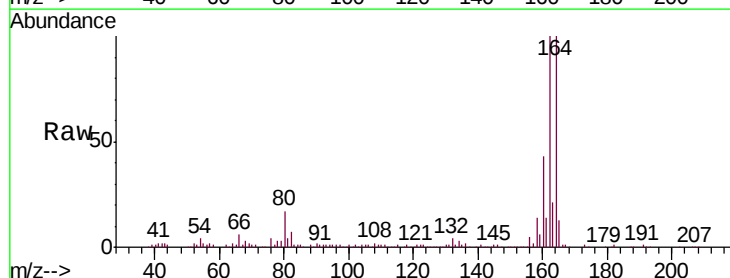
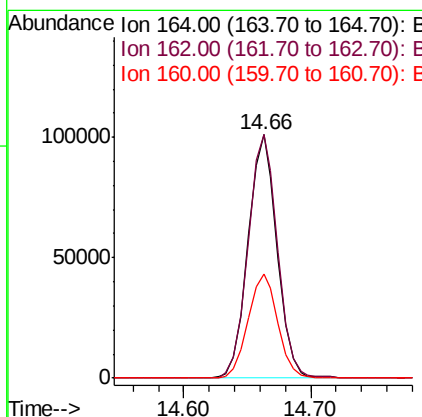
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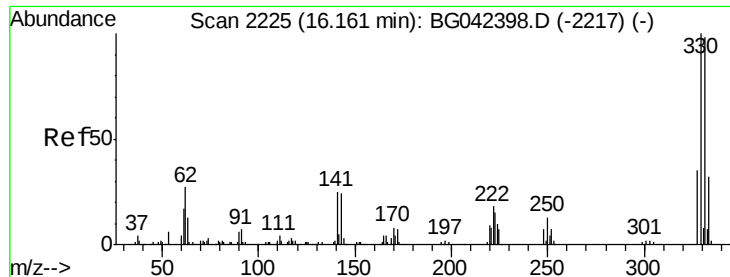
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1970
Delta R.T. -0.00 min
Lab File: BG042421.D
Acq: 23 Aug 2019 3:58

Tgt Ion	164	Resp	160623
Ion Ratio	100	Lower	Upper
164	100		
162	100.0	79.9	119.9
160	42.7	34.3	51.5





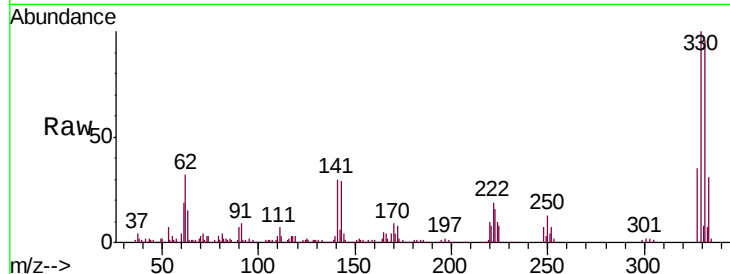
#42
 2,4,6-Tribromophenol
 Concen: 80.435 ng
 RT: 16.16 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BG042421.D
 Acq: 23 Aug 2019 3:58

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-082019

Tot Ion	Ratio	Resp	Lower	Upper
330	100	183632		
332	96.2	77.4	116.0	
141	29.4	21.4	32.0	

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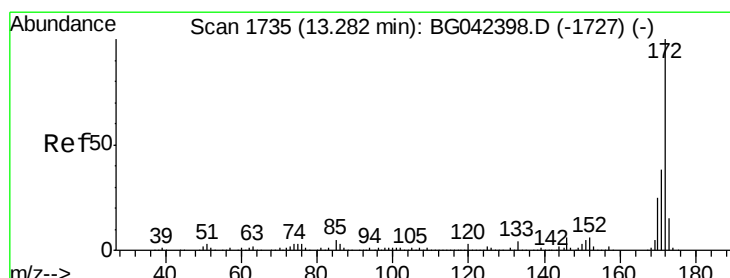
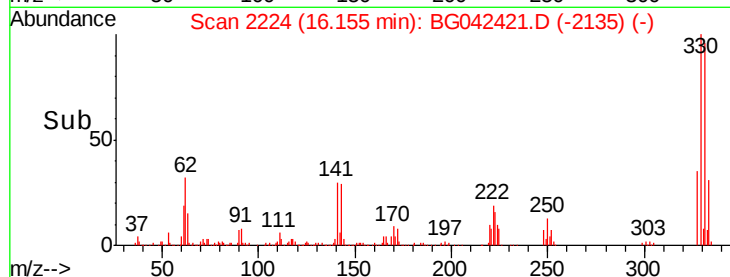
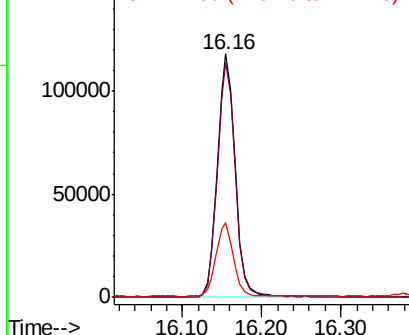


Abundance

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: 73.309 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG042421.D
 Acq: 23 Aug 2019 3:58

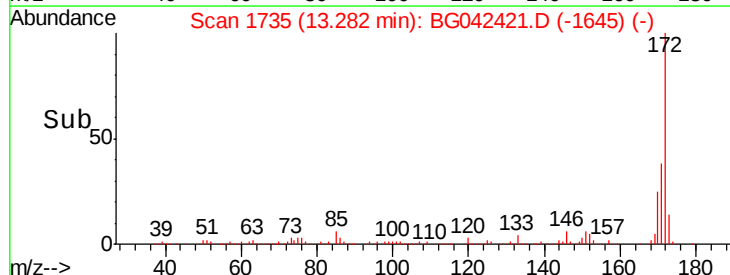
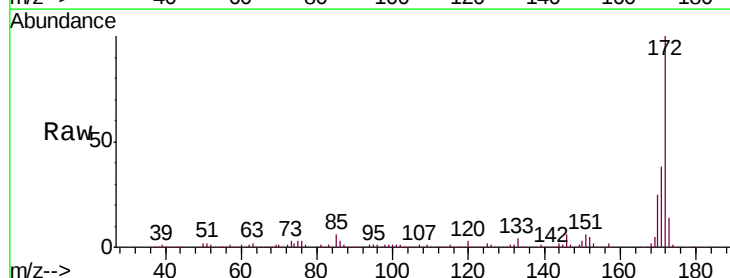
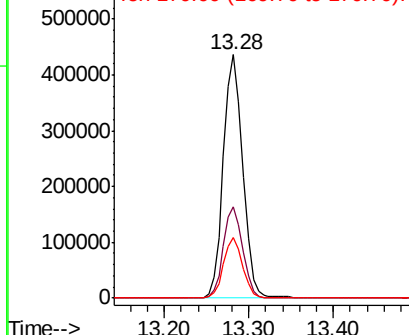
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	696220		
171	37.6	30.5	45.7	
170	25.0	20.2	30.2	

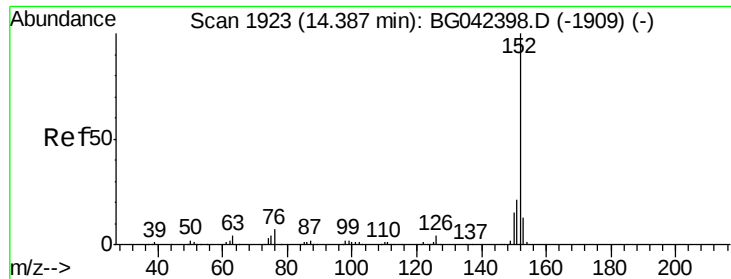
Abundance

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





#49

Acenaphthylene

Concen: 2.070 ng

RT: 14.39 min Scan# 1924

Delta R.T. 0.01 min

Lab File: BG042421.D

Acq: 23 Aug 2019 3:58

Instrument :

BNA_G

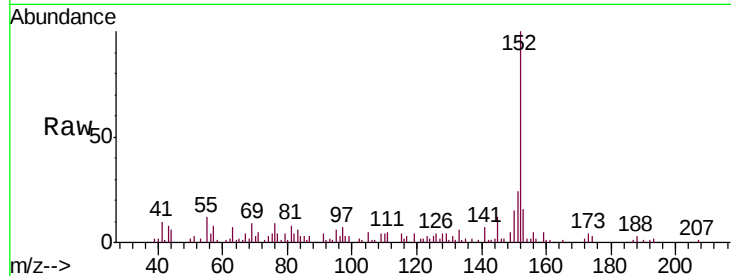
ClientSampleId :

NB-08-082019

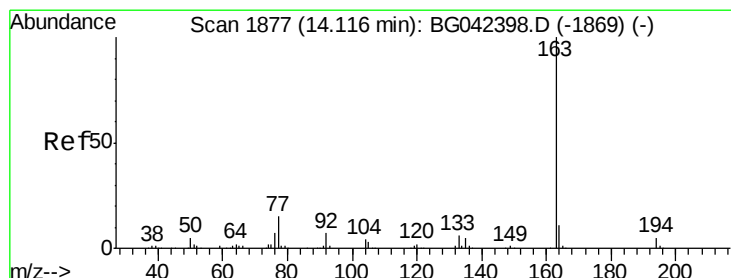
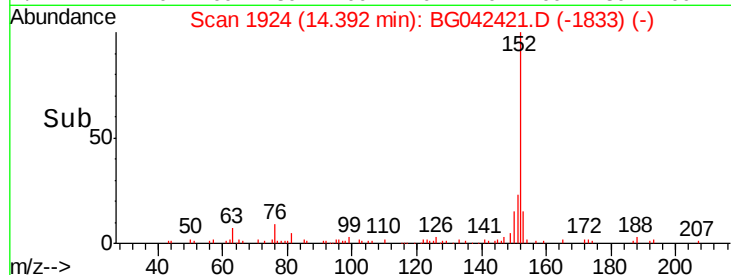
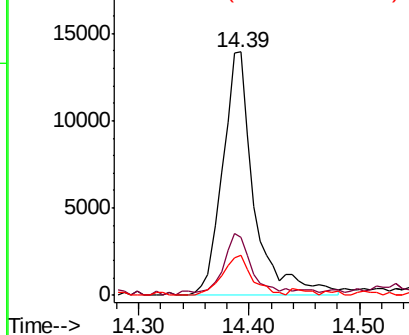
Tot Ion:	152	Resp:	27880
Ion Ratio	Lower	Upper	
152	100		
151	23.8	17.0	25.4
153	16.4	10.6	16.0#

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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



#50

Dimethylphthalate

Concen: 11.814 ng

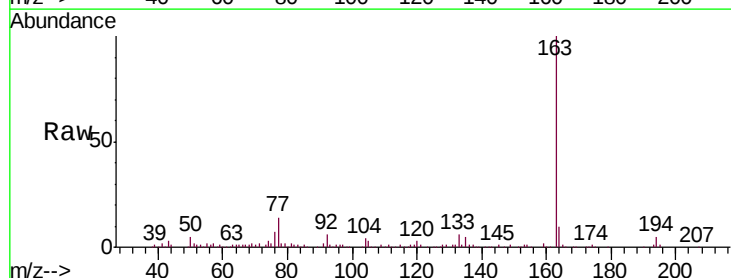
RT: 14.11 min Scan# 1876

Delta R.T. -0.01 min

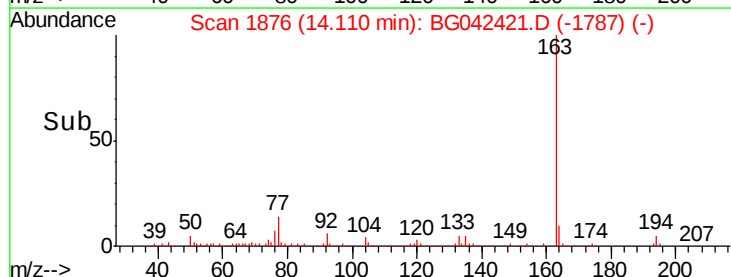
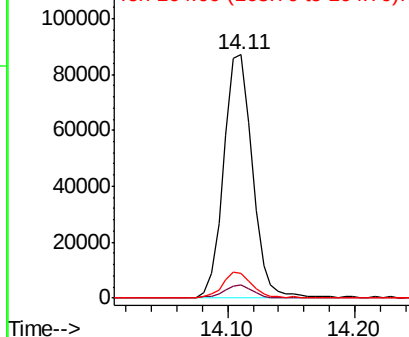
Lab File: BG042421.D

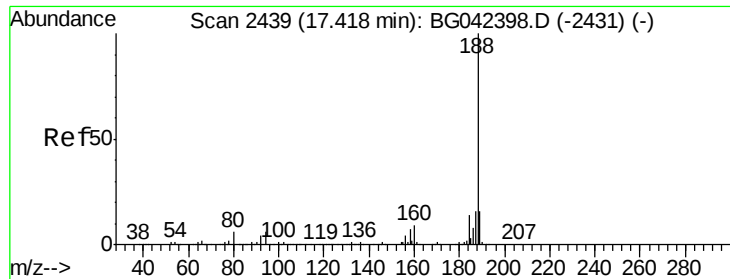
Acq: 23 Aug 2019 3:58

Tgt Ion:	163	Resp:	136919
Ion Ratio	Lower	Upper	
163	100		
194	5.4	4.2	6.2
164	10.3	8.8	13.2



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: 17.41 min Scan# 2438

Delta R.T. -0.01 min

Lab File: BG042421.D

Acq: 23 Aug 2019 3:58

Instrument :

BNA_G

ClientSampleId :

NB-08-082019

Tot Ion:188 Resp: 317744

Ion Ratio Lower Upper

188 100

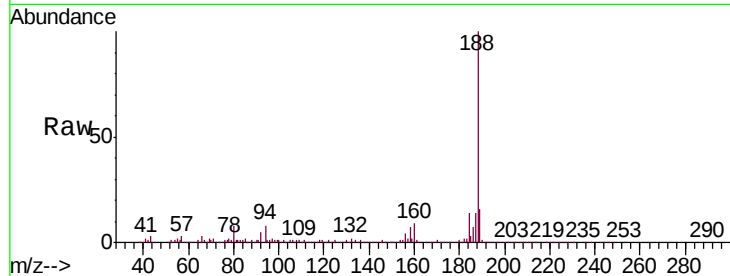
94 7.5 4.5 6.7#

80 8.0 4.9 7.3#

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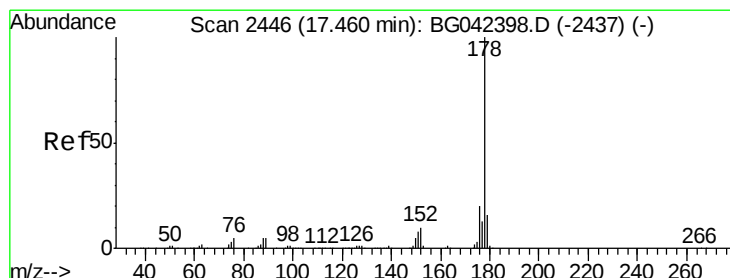
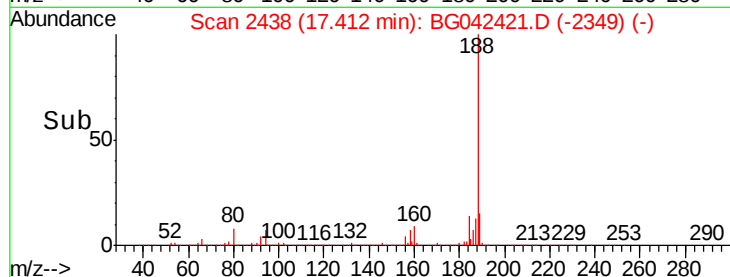
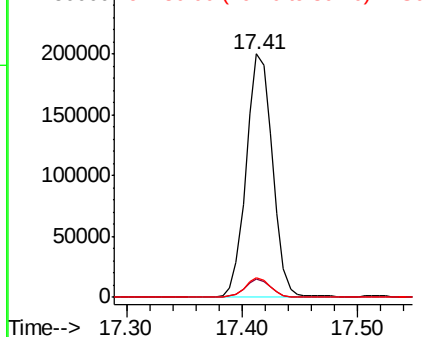
8/23/2019 2:54:30 PM



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



#71

Phenanthrene

Concen: 6.911 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BG042421.D

Acq: 23 Aug 2019 3:58

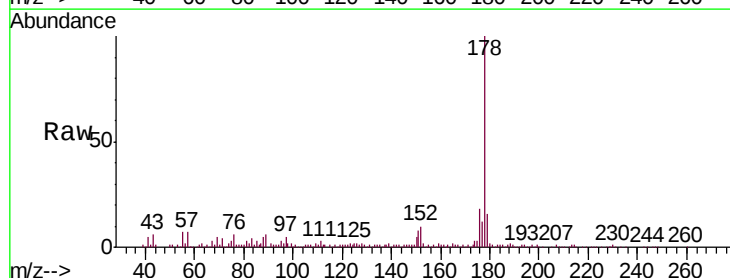
Tgt Ion:178 Resp: 109081

Ion Ratio Lower Upper

178 100

176 18.1 15.9 23.9

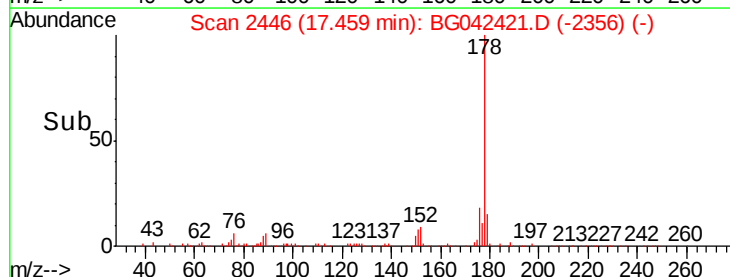
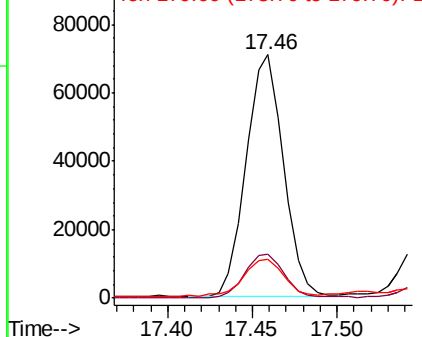
179 16.0 12.7 19.1

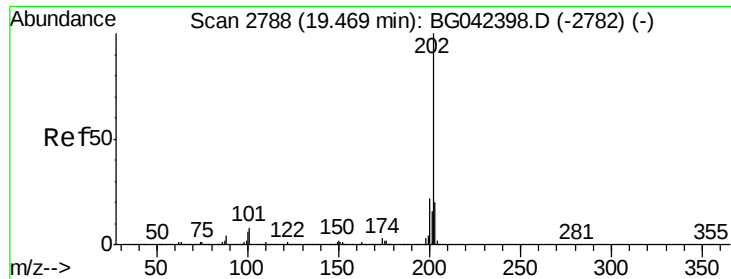


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 19.269 ng

RT: 19.47 min Scan# 2788

Delta R.T. -0.00 min

Lab File: BG042421.D

Acq: 23 Aug 2019 3:58

Instrument :

BNA_G

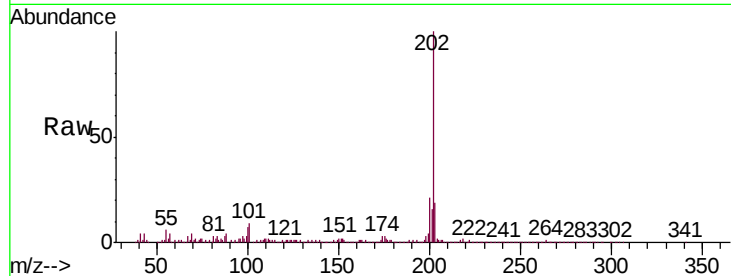
ClientSampleId :

NB-08-082019

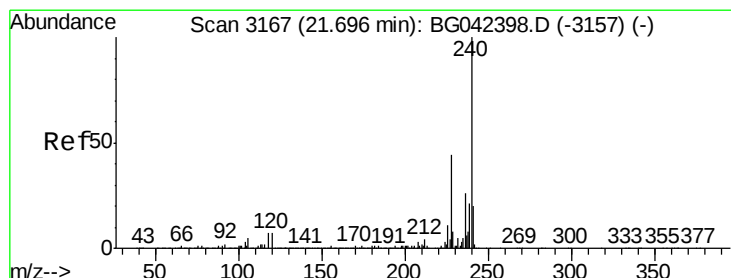
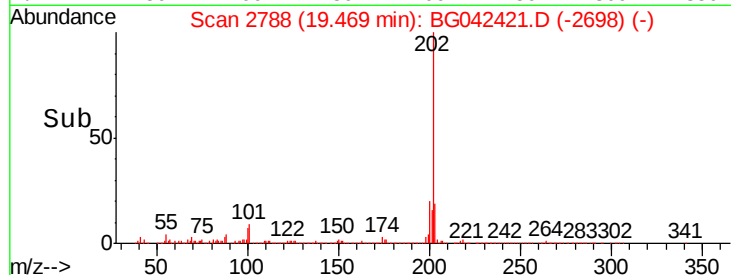
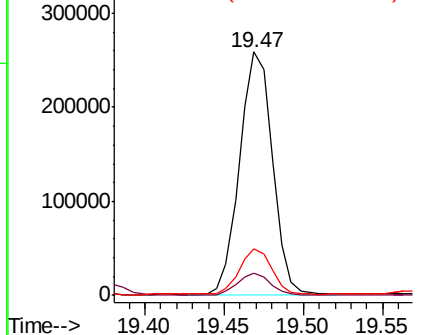
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.0	0.0	28.3
203	19.1	0.0	39.6

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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

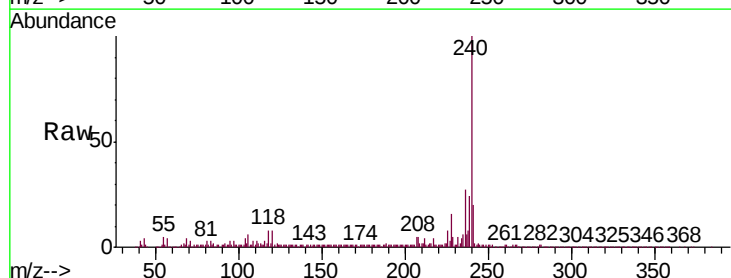
RT: 21.70 min Scan# 3167

Delta R.T. -0.00 min

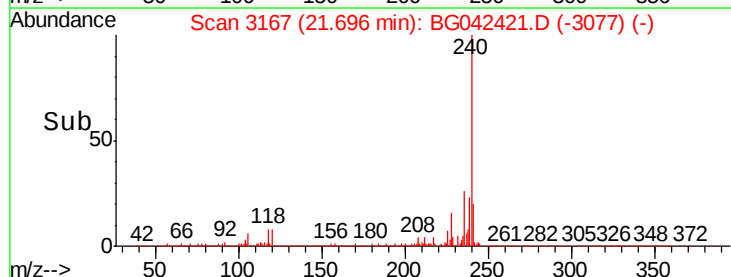
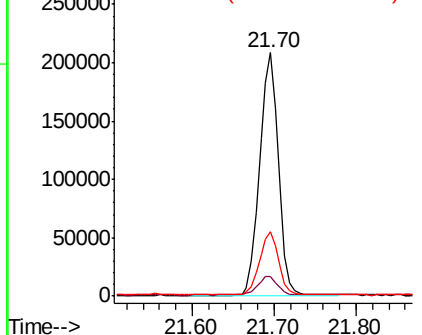
Lab File: BG042421.D

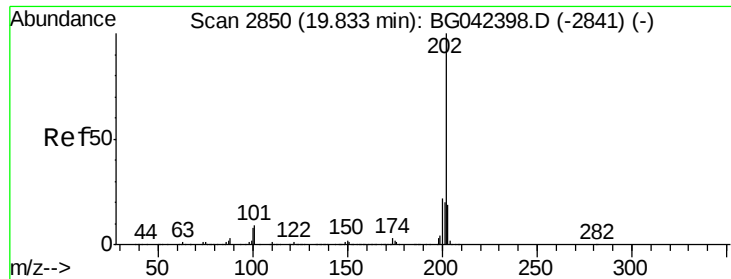
Acq: 23 Aug 2019 3:58

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.3	5.7	8.5
236	26.5	21.0	31.4



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





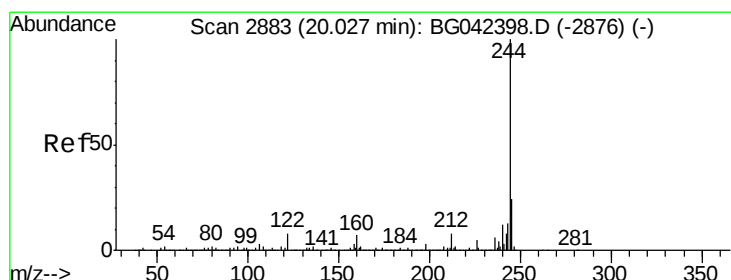
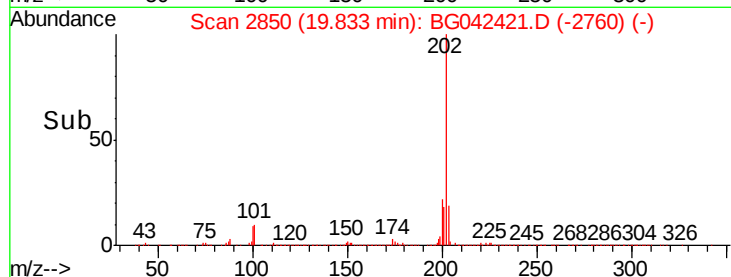
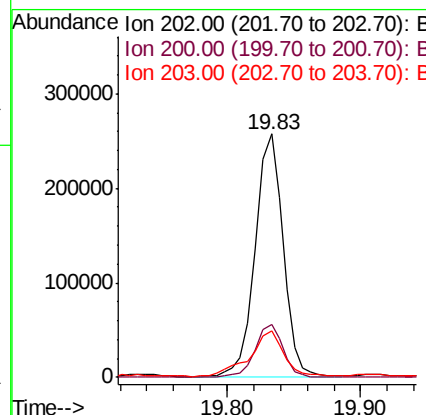
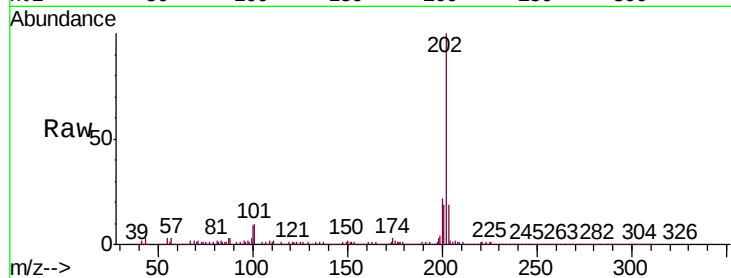
#78
Pvrene
Concen: 18.185 ng
RT: 19.83 min Scan# 2850
Delta R.T. -0.00 min
Lab File: BG042421.D
Acq: 23 Aug 2019 3:58

Instrument :
BNA_G
ClientSampleId :
NB-08-082019

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.8	26.6
203	19.0	15.5	23.3

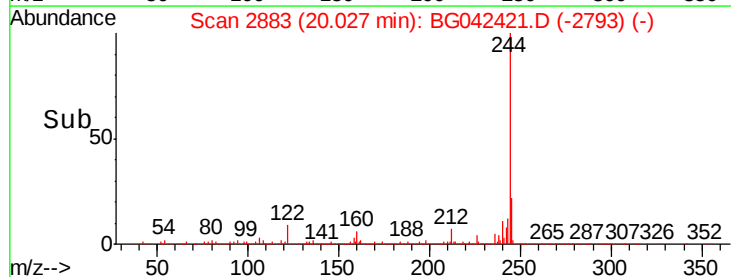
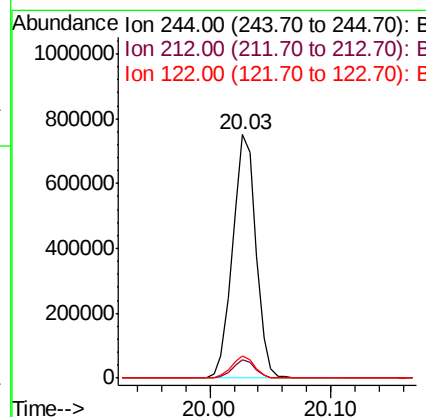
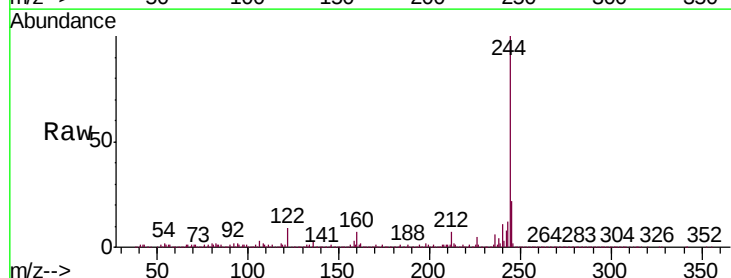
Manual Integrations
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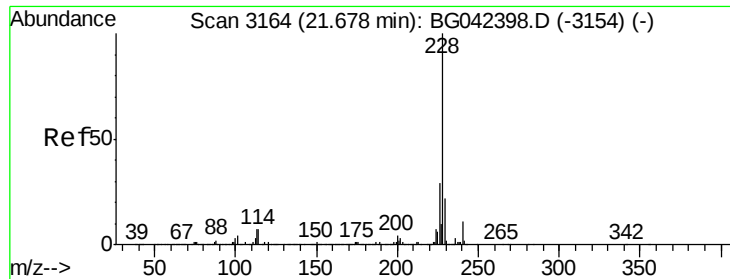
Jagrut
8/23/2019 2:54:30 PM



#79
Terphenyl-d14
Concen: 66.085 ng
RT: 20.03 min Scan# 2883
Delta R.T. -0.00 min
Lab File: BG042421.D
Acq: 23 Aug 2019 3:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	9.4	6.7	10.1





#81

Benzo(a)anthracene

Concen: 12.535 ng

RT: 21.67 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BG042421.D

Acq: 23 Aug 2019 3:58

Instrument :

BNA_G

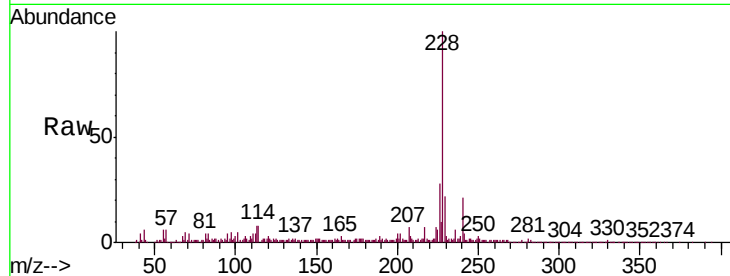
ClientSampleId :

NB-08-082019

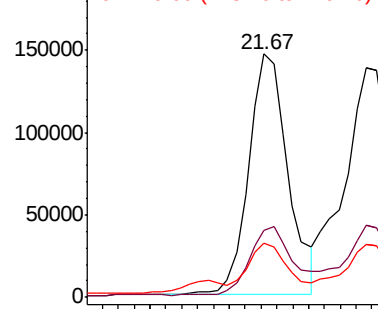
Tot Ion:	228	Resp:	251374
Ion Ratio	Lower	Upper	
228	100		
226	27.7	23.4	35.2
229	22.3	17.4	26.2

Manual Integrations
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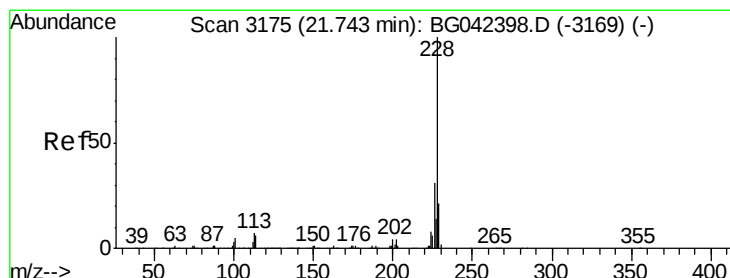
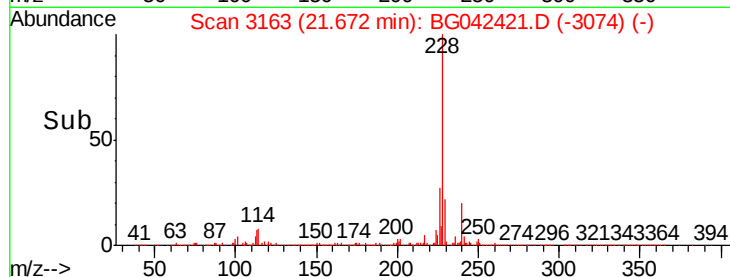
Jagrut
8/23/2019 2:54:30 PM



Abundance Ion 228.00 (227.70 to 228.70): E
200000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Chrysene

Concen: 14.399 ng

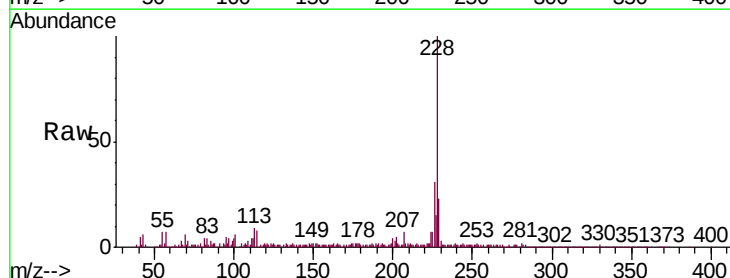
RT: 21.74 min Scan# 3174

Delta R.T. -0.01 min

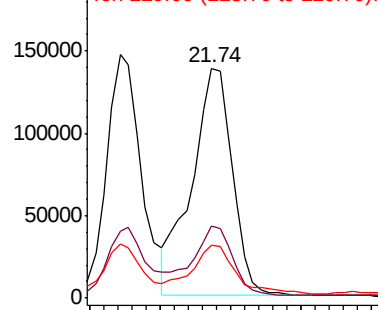
Lab File: BG042421.D

Acq: 23 Aug 2019 3:58

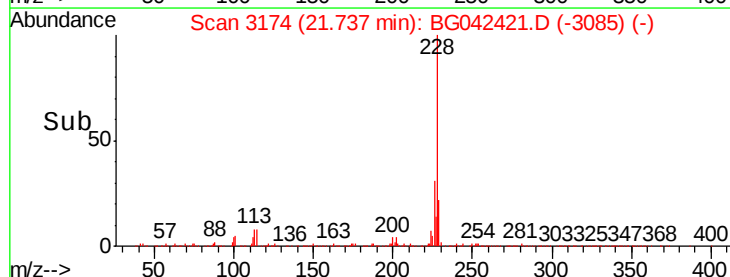
Tgt Ion:	228	Resp:	278473
Ion Ratio	Lower	Upper	
228	100		
226	31.3	24.9	37.3
229	23.0	16.9	25.3

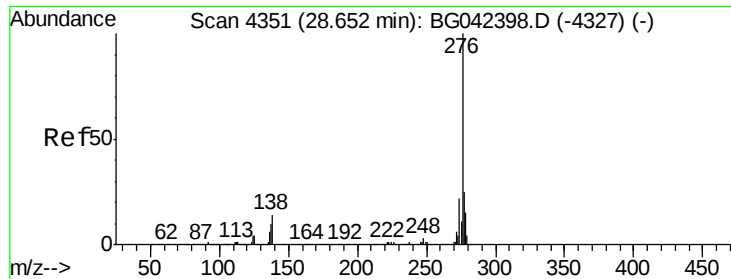


Abundance Ion 228.00 (227.70 to 228.70): E
200000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





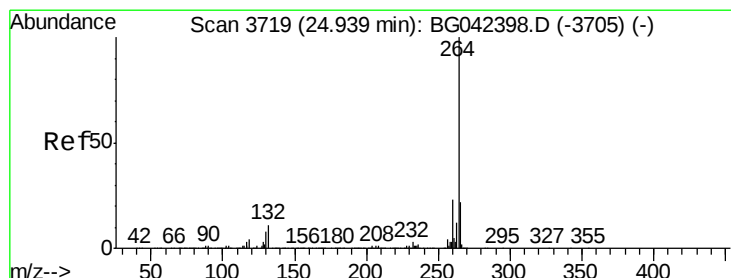
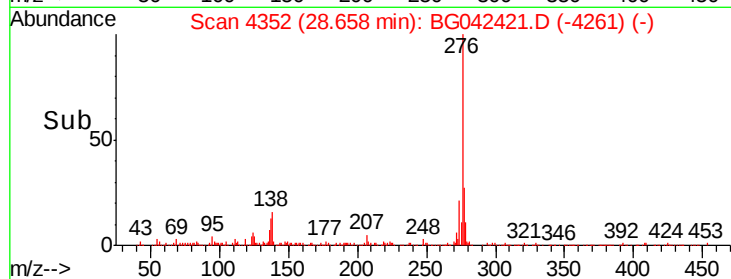
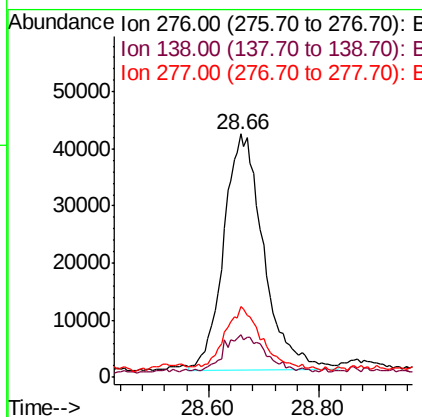
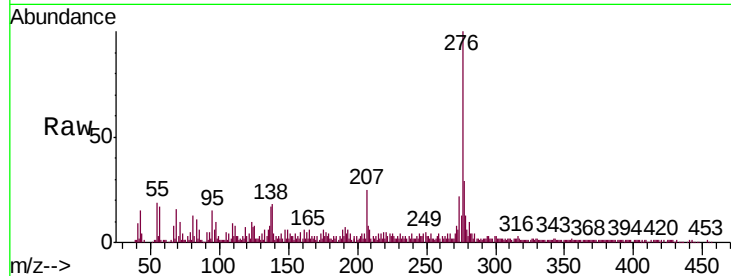
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.916 ng
RT: 28.66 min Scan# 4352
Delta R.T. 0.01 min
Lab File: BG042421.D
Acq: 23 Aug 2019 3:58

Instrument :
BNA_G
ClientSampleId :
NB-08-082019

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.4	9.2	13.8#
277	25.1	21.0	31.6

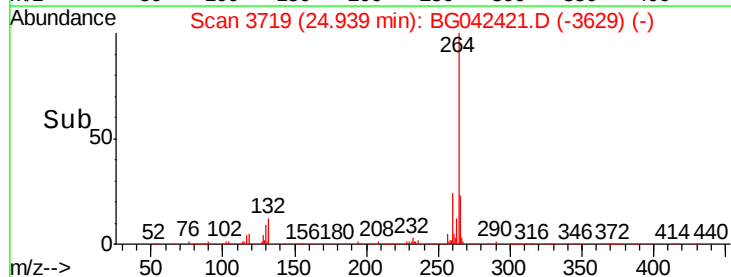
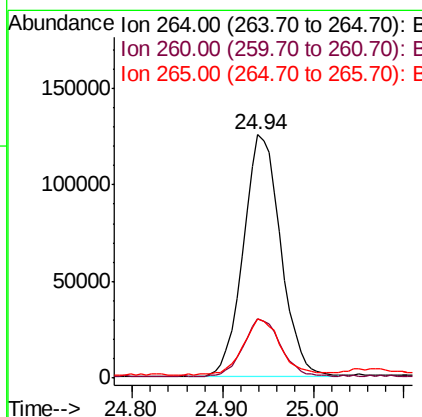
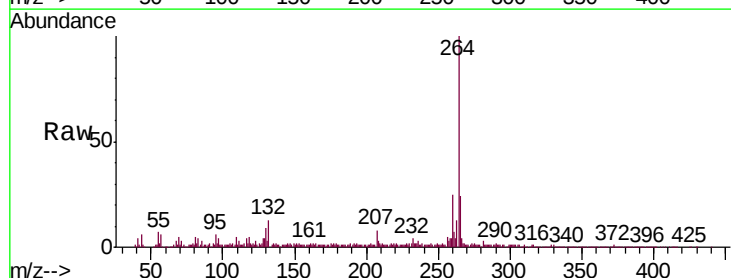
Manual Integrations
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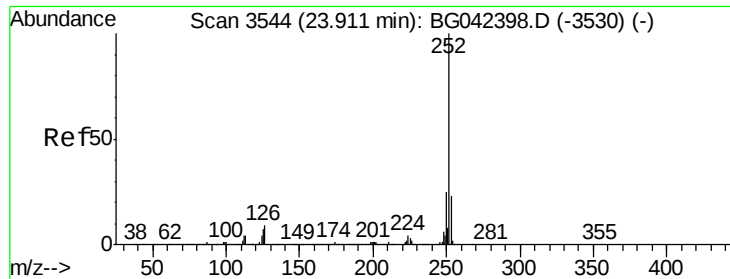
Jagrut
8/23/2019 2:54:30 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.94 min Scan# 3719
Delta R.T. -0.00 min
Lab File: BG042421.D
Acq: 23 Aug 2019 3:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.5	27.7
265	24.2	17.6	26.4





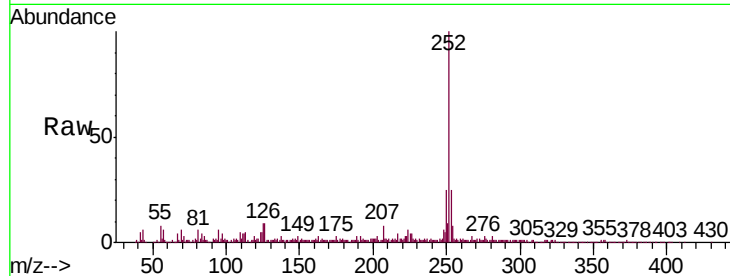
#88
Benzo(b)fluoranthene
Concen: 19.731 ng
RT: 23.92 min Scan# 3545
Delta R.T. 0.01 min
Lab File: BG042421.D
Acq: 23 Aug 2019 3:58

Instrument :
BNA_G
ClientSampleId :
NB-08-082019

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.6	27.8
125	8.7	5.6	8.4

Manual Integrations
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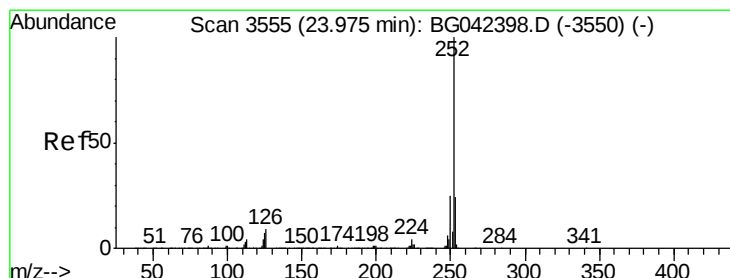
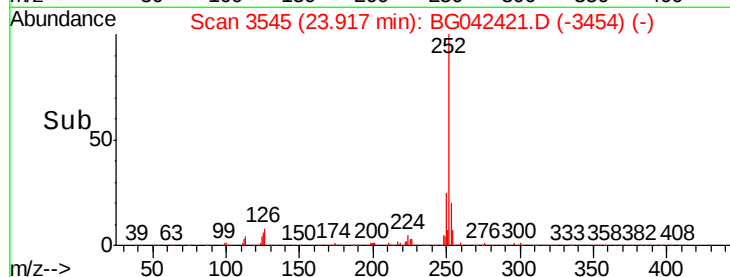
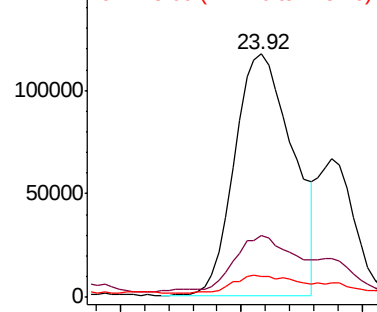


Abundance

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: 7.127 ng m
RT: 23.98 min Scan# 3555
Delta R.T. -0.00 min
Lab File: BG042421.D
Acq: 23 Aug 2019 3:58

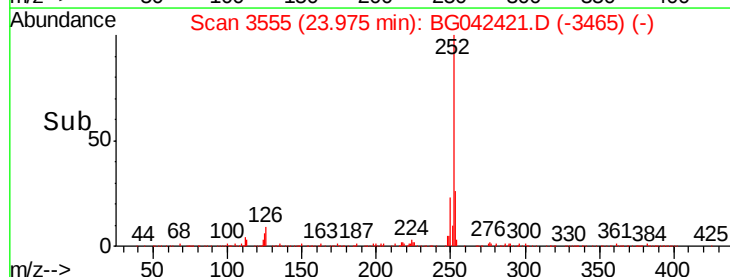
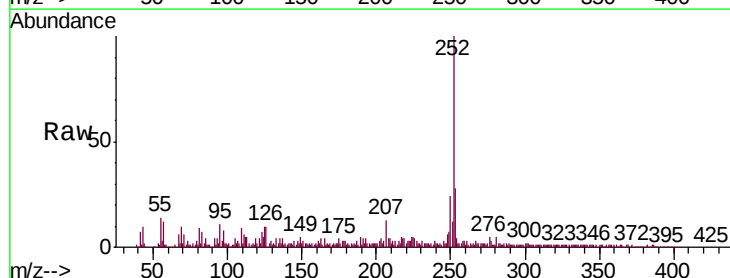
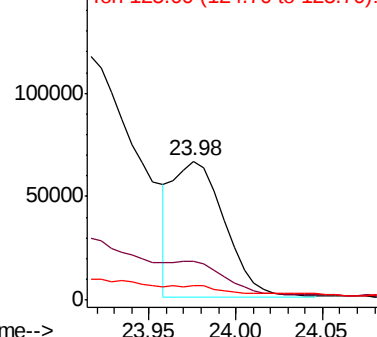
Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	18.6	27.8
125	10.1	5.8	8.6

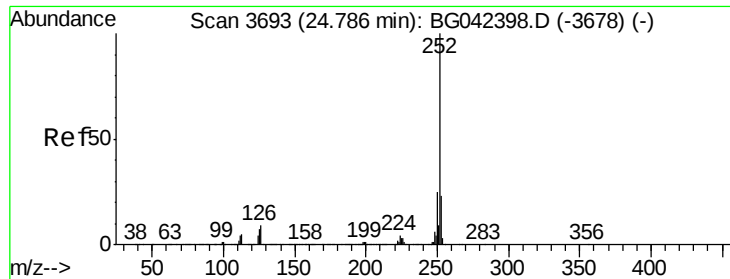
Abundance

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





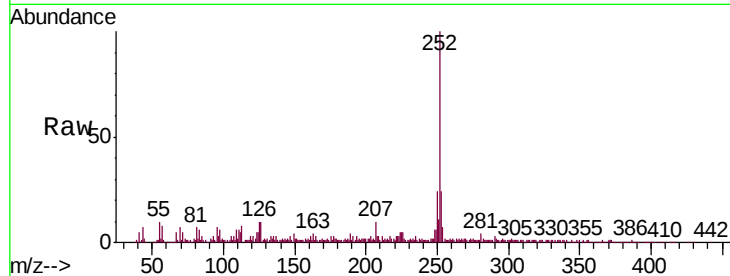
#90
Benzo(a)pyrene
Concen: 15.287 ng
RT: 24.79 min Scan# 3694
Delta R.T. 0.01 min
Lab File: BG042421.D
Acq: 23 Aug 2019 3:58

Instrument :
BNA_G
ClientSampleId :
NB-08-082019

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.4	27.6
125	10.2	6.0	9.0#

Manual Integrations
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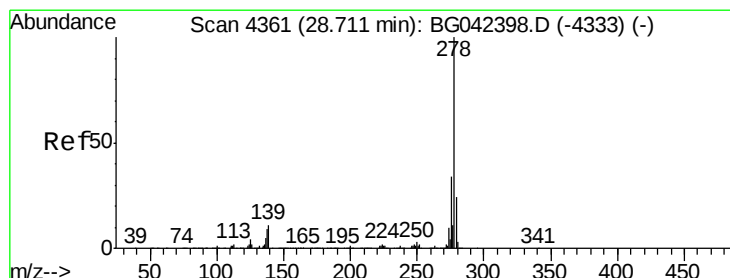
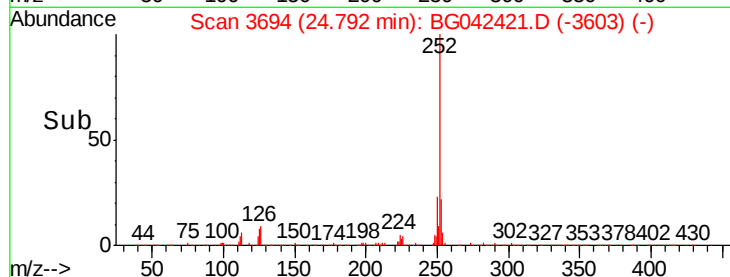
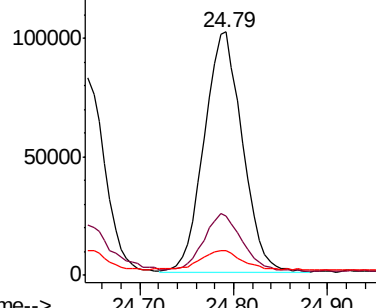


Abundance

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



#91
Dibenzo(a,h)anthracene
Concen: 2.639 ng
RT: 28.70 min Scan# 4359
Delta R.T. -0.01 min
Lab File: BG042421.D
Acq: 23 Aug 2019 3:58

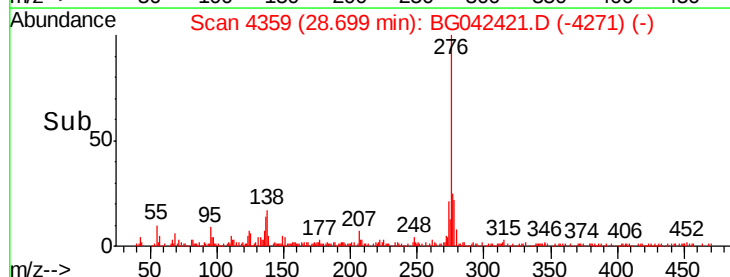
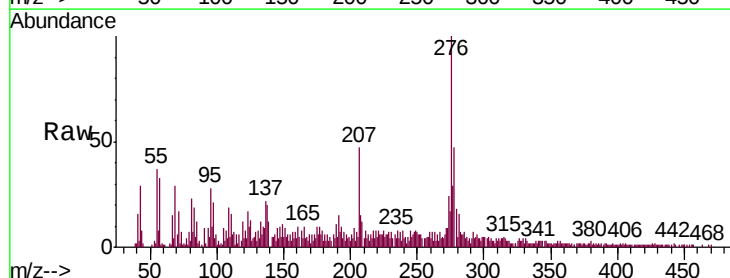
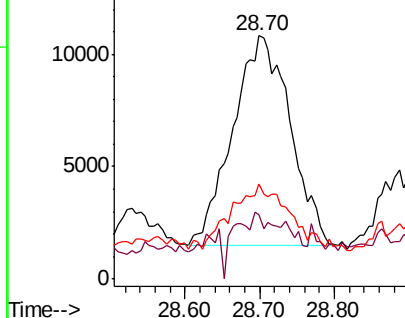
Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.3	8.8	13.2#
279	38.9	19.1	28.7#

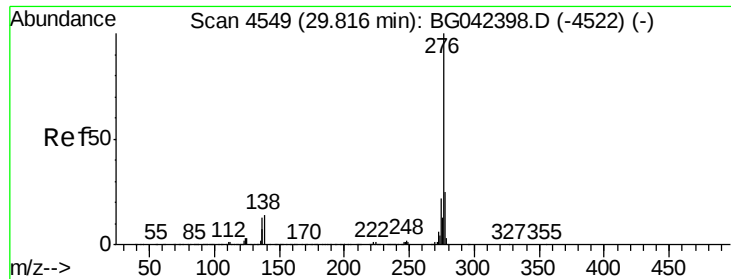
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 9.370 ng
 RT: 29.82 min Scan# 4550
 Delta R.T. 0.01 min
 Lab File: BG042421.D
 Acq: 23 Aug 2019 3:58

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-082019

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.8	29.8
138	16.9	11.4	17.0

Manual Integrations
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