

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082619\
 Data File : BG042504.D
 Acq On : 26 Aug 2019 18:27
 Operator : HP/JU
 Sample : K4477-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Manual Integrations
 APPROVED

JAGRUT
 8/27/2019 7:51:44 AM

Quant Time: Aug 27 02:29:10 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	36044	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	130596	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	86638	20.00	ng	0.00
64) Phenanthrene-d10	17.41	188	214792	20.00	ng	0.00
76) Chrysene-d12	21.69	240	288623	20.00	ng	0.00
87) Perylene-d12	24.92	264	350528	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	248996	139.91	ng	0.00
7) Phenol-d6	7.16	99	330056	137.30	ng	0.00
23) Nitrobenzene-d5	9.17	82	183989	97.36	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	173569	140.95	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	497165	97.05	ng	0.00
79) Terphenyl-d14	20.02	244	1090778	81.70	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.41	88	30252	40.732	ng	97
3) Pyridine	3.82	79	74797	39.275	ng	98
4) n-Nitrosodimethylamine	3.73	42	29652	43.593	ng	92
6) Aniline	7.32	93	87867	27.404	ng	99
8) 2-Chlorophenol	7.56	128	98438	45.640	ng	96
9) Benzaldehyde	7.13	77	34383	28.569	ng	97
10) Phenol	7.19	94	108594	44.429	ng	97
11) bis(2-Chloroethyl)ether	7.41	93	81057	42.226	ng	99
12) 1,3-Dichlorobenzene	7.89	146	114162	41.607	ng	97
13) 1,4-Dichlorobenzene	8.03	146	117061	42.119	ng	100
14) 1,2-Dichlorobenzene	8.36	146	109672	41.206	ng	99
15) Benzyl Alcohol	8.24	79	70031	40.492	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.53	45	105034	40.370	ng	98
17) 2-Methylphenol	8.45	107	74587	41.430	ng	95
18) Hexachloroethane	9.09	117	39112	41.107	ng	90
19) n-Nitroso-di-n-propylamine	8.81	70	60669	38.955	ng	98
20) 3+4-Methylphenols	8.78	107	103508	41.550	ng	96
22) Acetophenone	8.83	105	130185	46.607	ng	# 97
24) Nitrobenzene	9.21	77	89226	46.624	ng	98
25) Isophorone	9.73	82	165489	44.371	ng	98
26) 2-Nitrophenol	9.92	139	56275	46.924	ng	95
27) 2,4-Dimethylphenol	9.99	122	86096	52.116	ng	98
28) bis(2-Chloroethoxy)methane	10.22	93	105329	44.807	ng	97
29) 2,4-Dichlorophenol	10.47	162	102345	47.351	ng	95
30) 1,2,4-Trichlorobenzene	10.68	180	119052	44.875	ng	99
31) Naphthalene	10.87	128	282819	46.645	ng	100
32) Benzoic acid	10.14	122	3182m	10.372	ng	
33) 4-Chloroaniline	10.98	127	79444	28.383	ng	99
34) Hexachlorobutadiene	11.16	225	78265	43.896	ng	97
35) Caprolactam	11.75	113	32609	45.214	ng	96
36) 4-Chloro-3-methylphenol	12.11	107	89602	43.670	ng	99
37) 2-Methylnaphthalene	12.48	142	220299	45.250	ng	98
38) 1-Methylnaphthalene	12.70	142	204724	44.270	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.85	216	136036	48.894	ng	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082619\
 Data File : BG042504.D
 Acq On : 26 Aug 2019 18:27
 Operator : HP/JU
 Sample : K4477-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Manual Integrations
 APPROVED

JAGRUT
 8/27/2019 7:51:44 AM

Quant Time: Aug 27 02:29:10 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)
41) Hexachlorocyclopentadiene	12.83	237	147681	101.049	nq	98
43) 2,4,6-Trichlorophenol	13.09	196	90010	47.862	nq	92
44) 2,4,5-Trichlorophenol	13.17	196	92313	47.368	nq	96
46) 1,1'-Biphenyl	13.49	154	273866	48.902	nq	99
47) 2-Chloronaphthalene	13.53	162	226380	46.879	nq	98
48) 2-Nitroaniline	13.73	65	51701	44.399	nq	98
49) Acenaphthylene	14.38	152	353417	48.646	nq	99
50) Dimethylphthalate	14.11	163	368717	58.983	nq	99
51) 2,6-Dinitrotoluene	14.23	165	68008	46.935	nq	98
52) Acenaphthene	14.72	154	205104	46.493	nq	97
53) 3-Nitroaniline	14.56	138	52373	36.141	nq	97
54) 2,4-Dinitrophenol	14.78	184	39553	43.586	nq	97
55) Dibenzofuran	15.06	168	348476	47.722	nq	100
56) 4-Nitrophenol	14.88	139	129599	125.859	nq	98
57) 2,4-Dinitrotoluene	15.02	165	98817	47.624	nq	# 96
58) Fluorene	15.71	166	285615	47.848	nq	98
59) 2,3,4,6-Tetrachlorophenol	15.29	232	98187	50.946	nq	93
60) Diethylphthalate	15.47	149	284425	46.544	nq	100
61) 4-Chlorophenyl-phenylether	15.69	204	162087	45.046	nq	98
62) 4-Nitroaniline	15.72	138	78085	50.347	nq	100
63) Azobenzene	15.99	77	200374	47.852	nq	98
65) 4,6-Dinitro-2-methylphenol	15.79	198	53012	39.366	nq	96
66) n-Nitrosodiphenylamine	15.91	169	266000	45.032	nq	98
67) 4-Bromophenyl-phenylether	16.59	248	113813	41.774	nq	98
68) Hexachlorobenzene	16.72	284	120816	40.792	nq	98
69) Atrazine	16.86	200	113621	54.393	nq	97
70) Pentachlorophenol	17.07	266	143496	93.248	nq	99
71) Phenanthrene	17.45	178	517175	48.474	nq	99
72) Anthracene	17.55	178	527646	49.540	nq	99
73) Carbazole	17.82	167	509661	53.691	nq	99
74) Di-n-butylphthalate	18.37	149	588158	52.416	nq	100
75) Fluoranthene	19.47	202	774504	59.482	nq	98
77) Benzidine	19.64	184	410266	49.579	nq	99
78) Pyrene	19.82	202	787257	44.490	nq	99
80) Butylbenzylphthalate	20.71	149	318666	45.786	nq	99
81) Benzo(a)anthracene	21.67	228	823806	46.921	nq	98
82) 3,3'-Dichlorobenzidine	21.58	252	221560	31.377	nq	100
83) Chrysene	21.73	228	811356	47.917	nq	99
84) Bis(2-ethylhexyl)phthalate	21.57	149	457987	47.393	nq	98
85) Di-n-octyl phthalate	22.79	149	804528	48.406	nq	99
86) Indeno(1,2,3-cd)pyrene	28.64	276	1079983	46.933	nq	# 95
88) Benzo(b)fluoranthene	23.90	252	907477	47.091	nq	99
89) Benzo(k)fluoranthene	23.97	252	905967	48.910	nq	100
90) Benzo(a)pyrene	24.78	252	910000	49.764	nq	99
91) Dibenzo(a,h)anthracene	28.70	278	893944	48.282	nq	99
92) Benzo(g,h,i)perylene	29.80	276	916763	49.507	nq	97

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

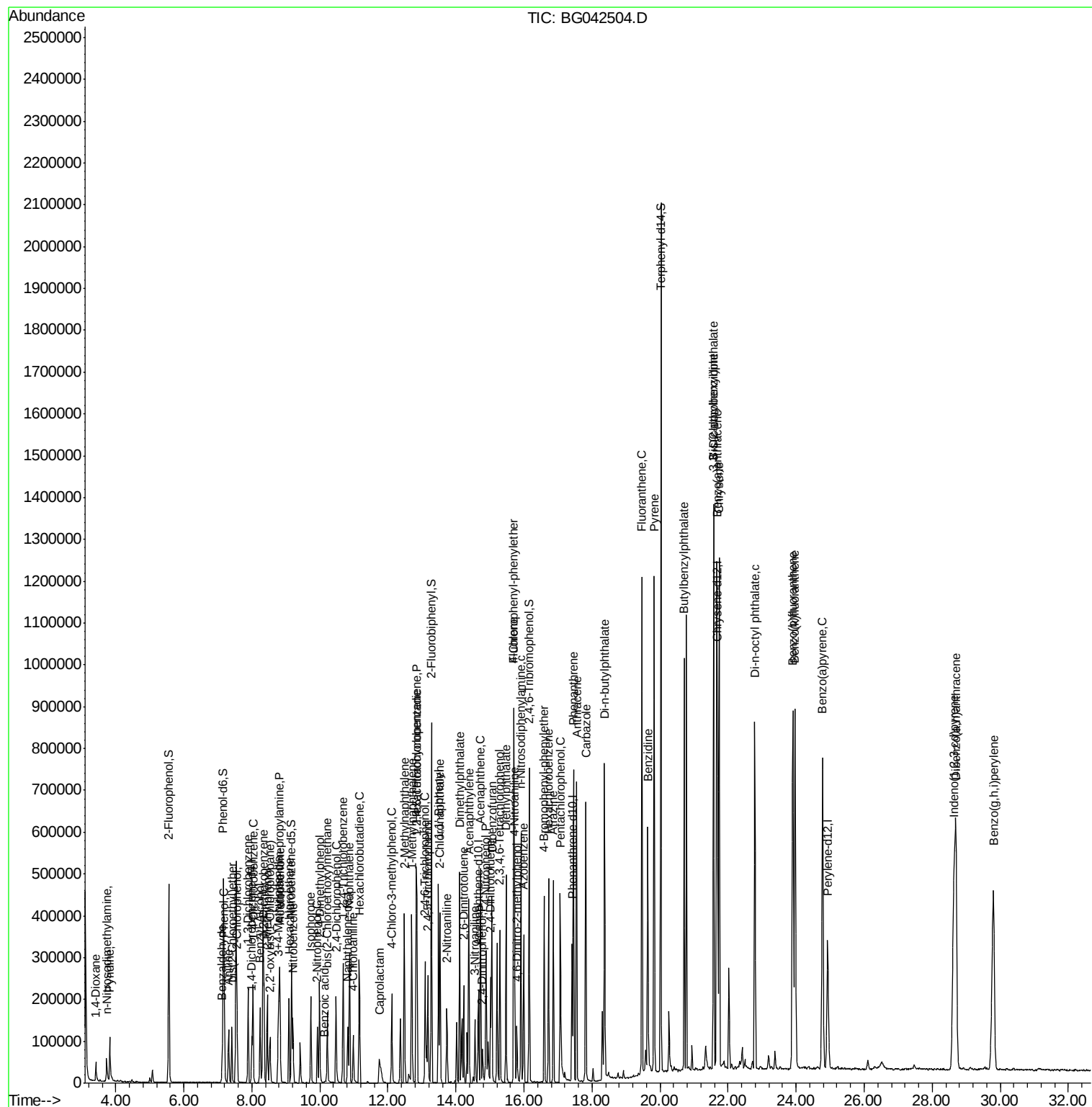
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082619\
Data File : BG042504.D
Acq On : 26 Aug 2019 18:27
Operator : HP/JU
Sample : K4477-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM

Quant Time: Aug 27 02:29:10 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

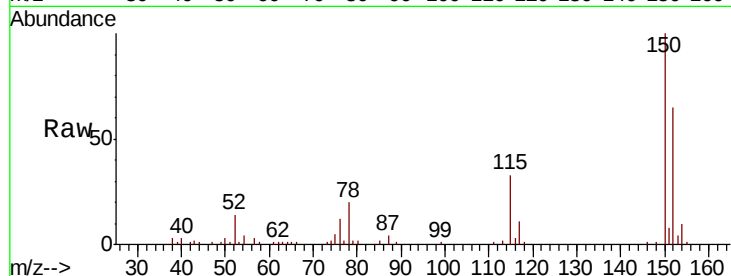
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 835
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	125.4	188.0
115	50.6	38.5	57.7

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM

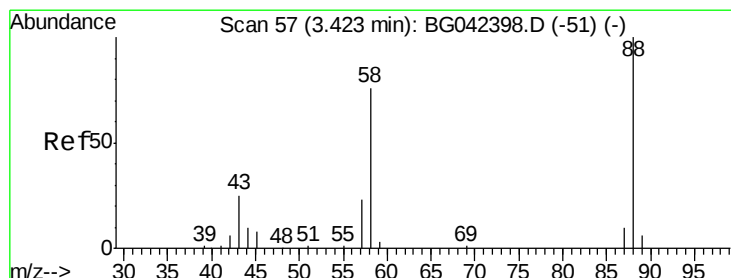
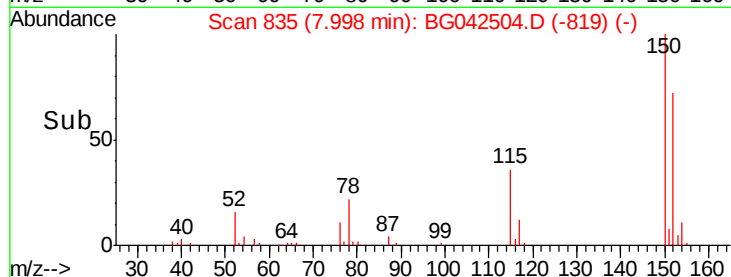
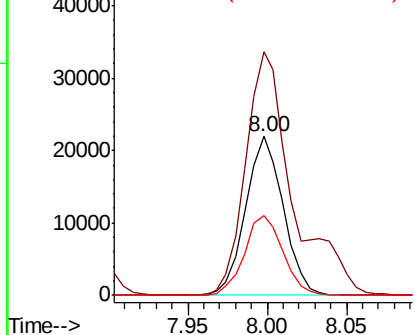


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

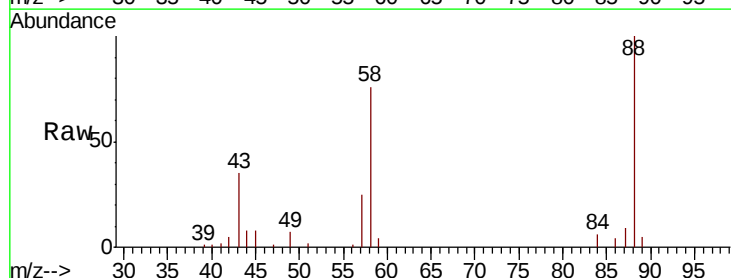
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 40.732 ng
RT: 3.41 min Scan# 55
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	75.5	58.3	87.5
43	24.6	20.2	30.2

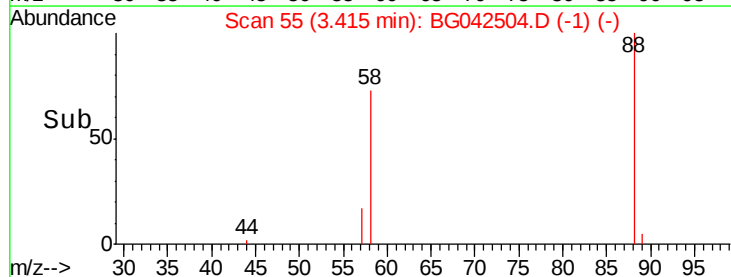
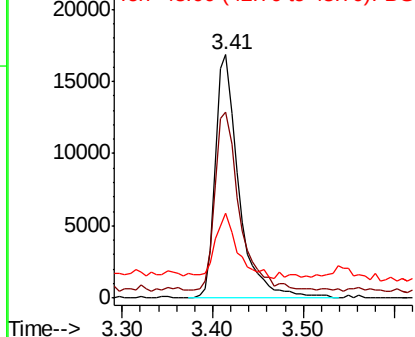


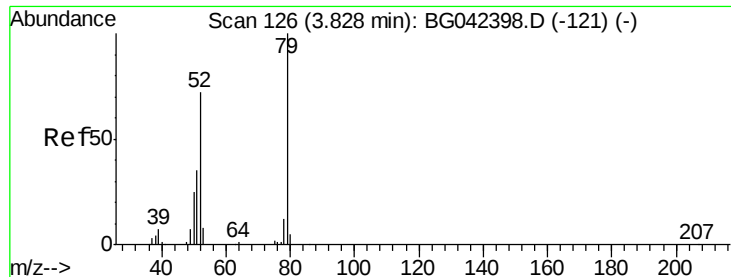
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 39.275 ng

RT: 3.82 min Scan# 124

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

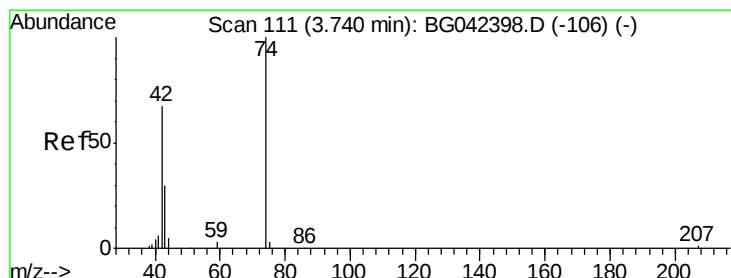
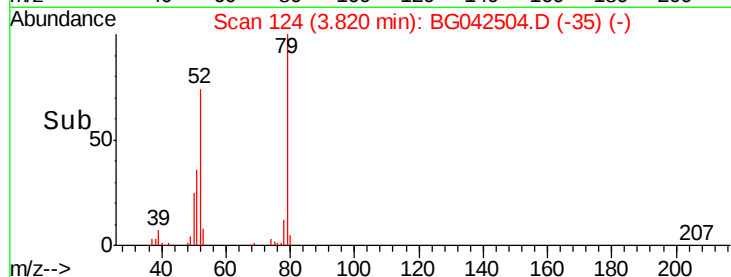
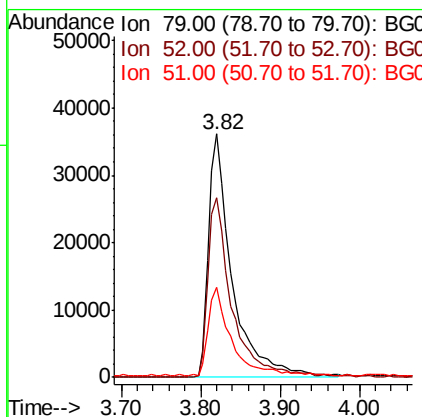
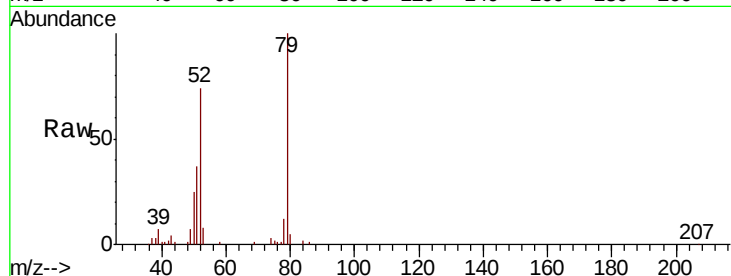
ClientSampleId :

TP-1(1-3)MSD

Tot Ion:	79	Resp:	74797
Ion	Ratio	Lower	Upper
79	100		
52	73.5	57.7	86.5
51	37.0	28.8	43.2

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#4

n-Nitrosodimethylamine

Concen: 43.593 ng

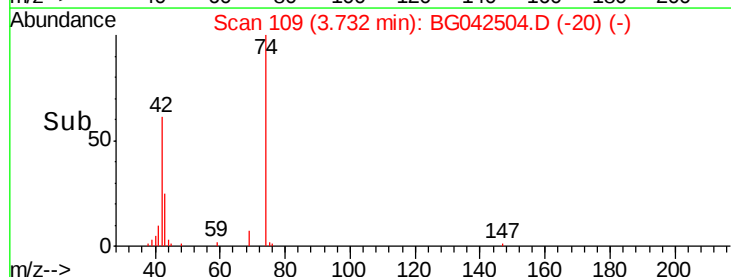
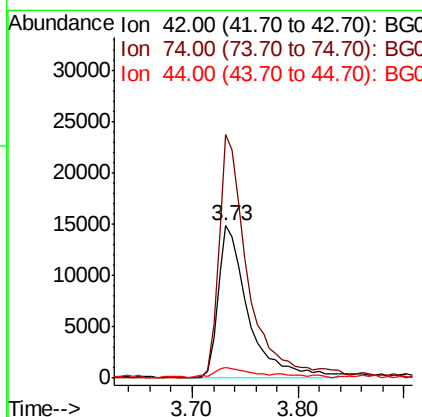
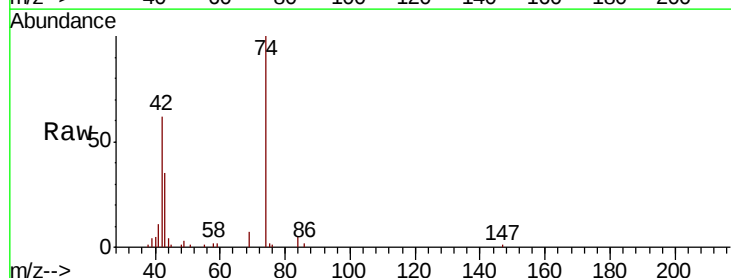
RT: 3.73 min Scan# 109

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Tgt Ion:	42	Resp:	29652
Ion	Ratio	Lower	Upper
42	100		
74	160.1	119.6	179.4
44	6.8	6.5	9.7





#5

2-Fluorophenol

Concen: 139.909 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

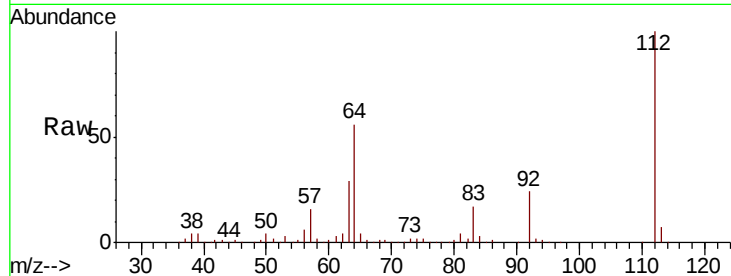
ClientSampleId :

TP-1(1-3)MSD

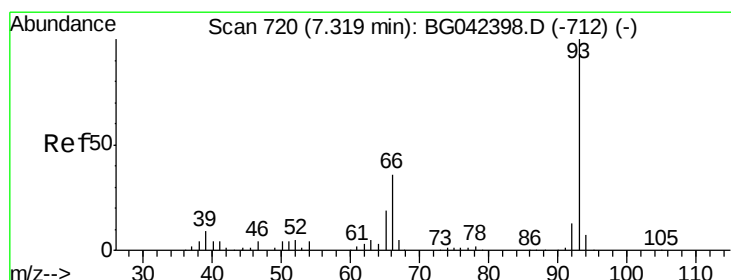
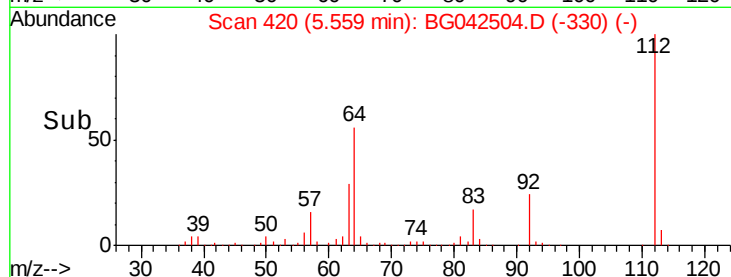
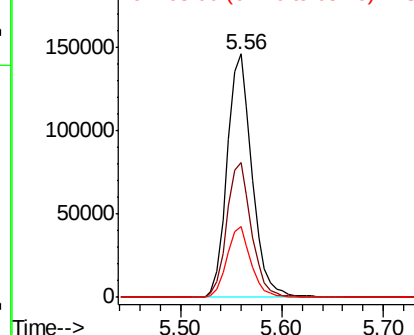
Tot Ion:	112	Resp:	248996
Ion Ratio	Lower	Upper	
112	100		
64	55.5	42.8	64.2
63	28.9	22.7	34.1

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



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



#6

Aniline

Concen: 27.404 ng

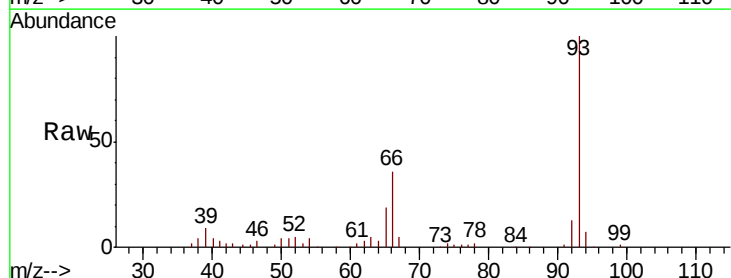
RT: 7.32 min Scan# 719

Delta R.T. -0.00 min

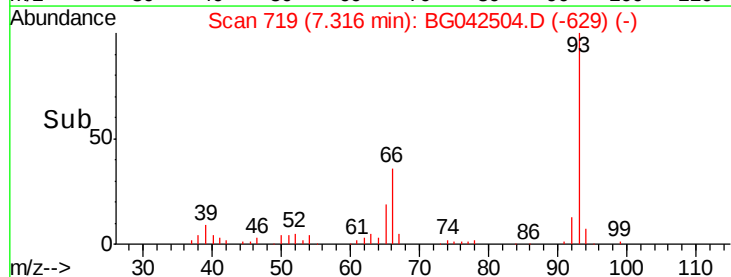
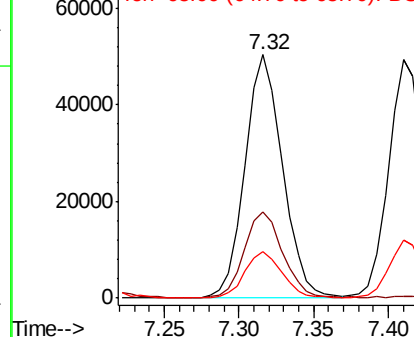
Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Tgt Ion:	93	Resp:	87867
Ion Ratio	Lower	Upper	
93	100		
66	35.7	29.0	43.6
65	19.1	15.2	22.8



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 137.296 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

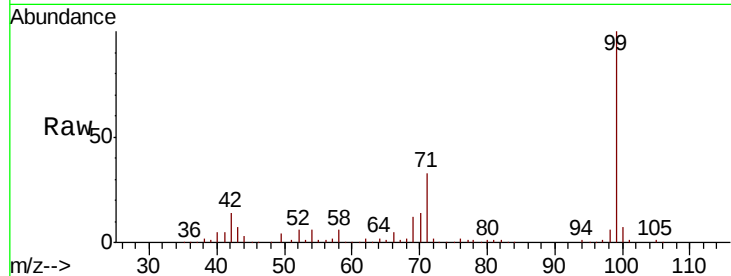
ClientSampleId :

TP-1(1-3)MSD

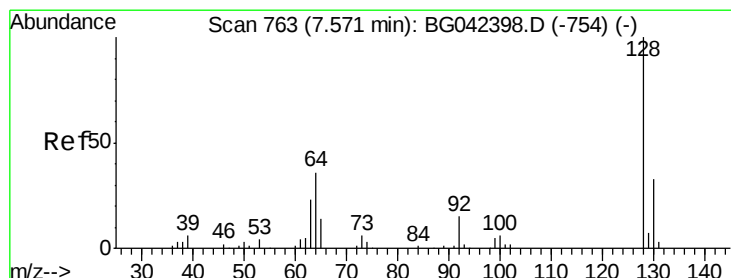
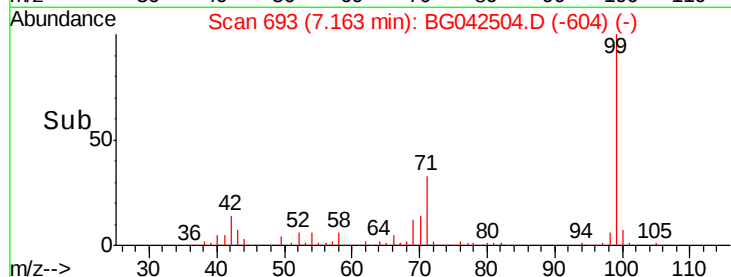
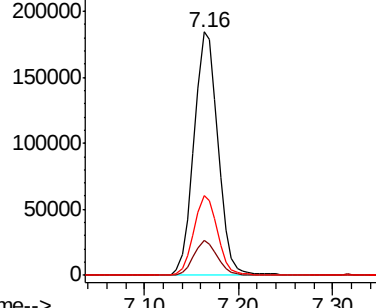
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		330056		
42	14.4	12.0	18.0		
71	32.8	26.3	39.5		

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 45.640 ng

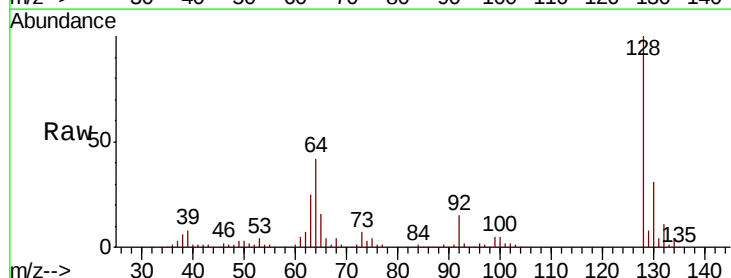
RT: 7.56 min Scan# 761

Delta R.T. -0.01 min

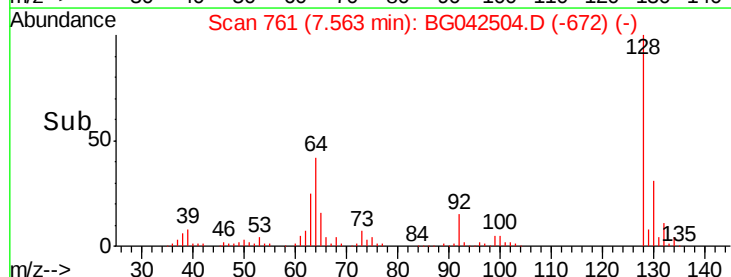
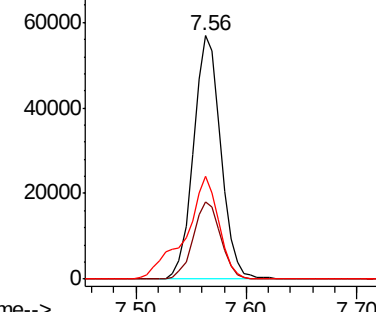
Lab File: BG042504.D

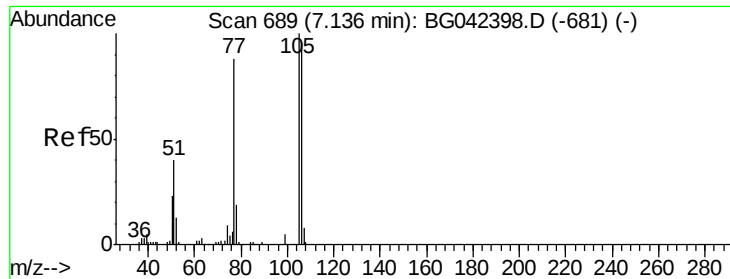
Acq: 26 Aug 2019 18:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		98438		
130	31.5	12.8	52.8		
64	42.1	19.2	59.2		



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 28.569 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

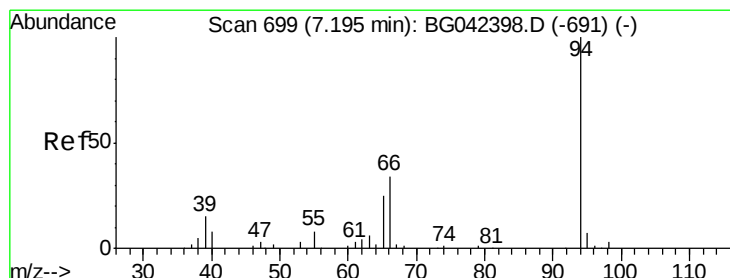
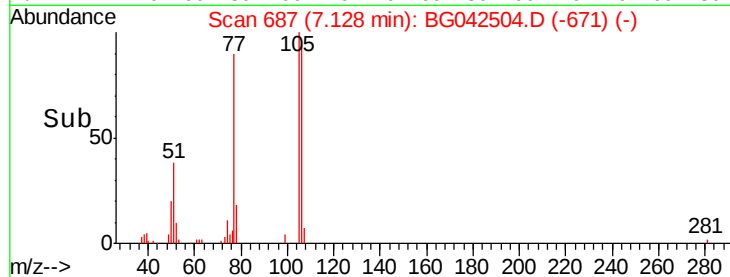
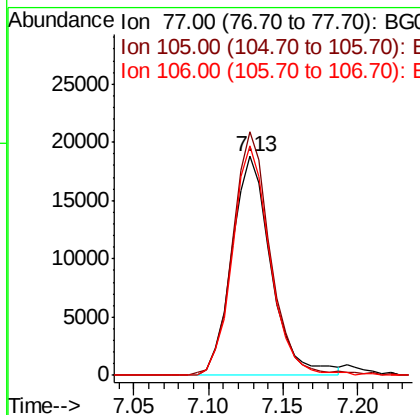
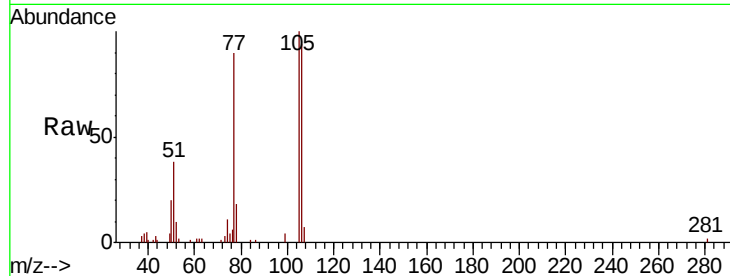
ClientSampleId :

TP-1(1-3)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	111.1	93.4	133.4		
106	104.8	88.4	128.4		

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#10

Phenol

Concen: 44.429 ng

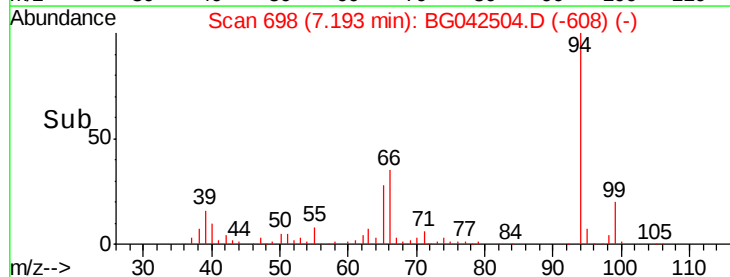
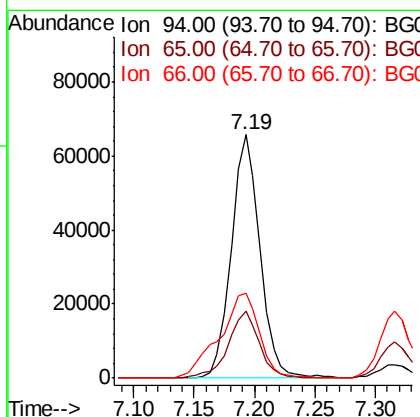
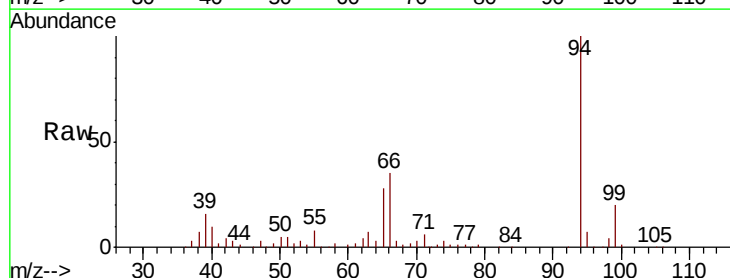
RT: 7.19 min Scan# 698

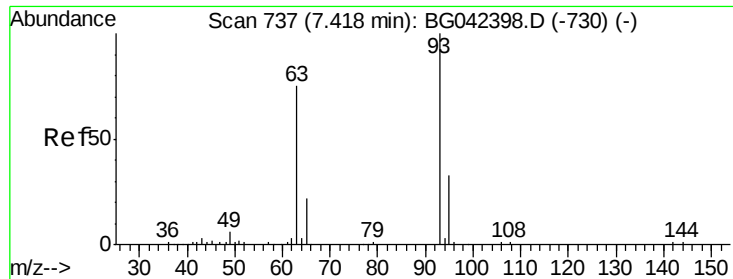
Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	27.7	5.6	45.6		
66	34.8	16.0	56.0		





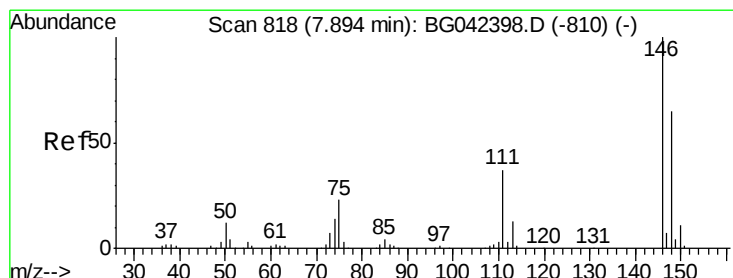
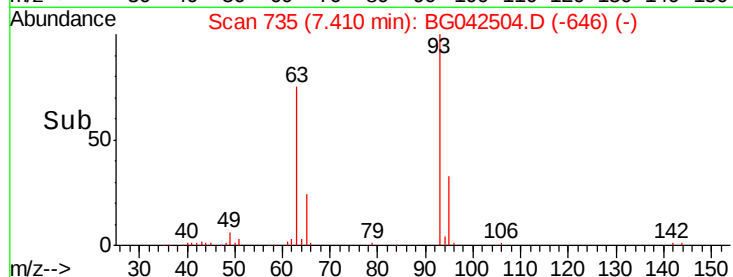
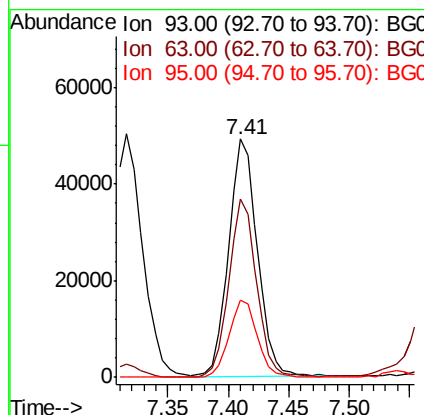
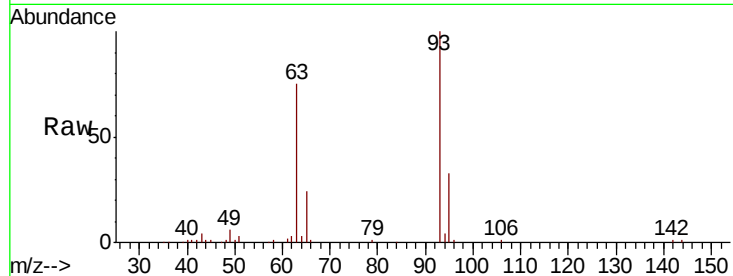
#11
bis(2-Chloroethyl)ether
Concen: 42.226 ng
RT: 7.41 min Scan# 735
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	74.9	53.8	93.8
95	32.5	13.1	53.1

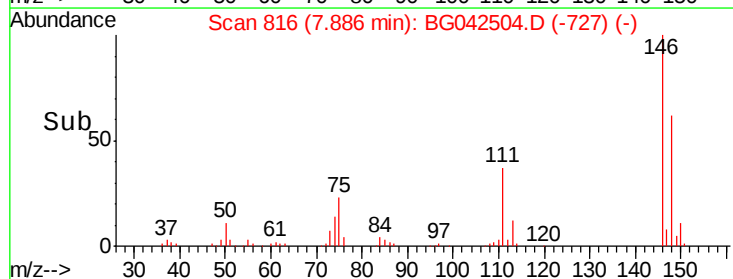
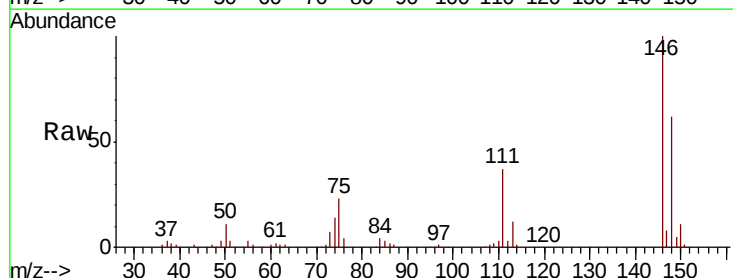
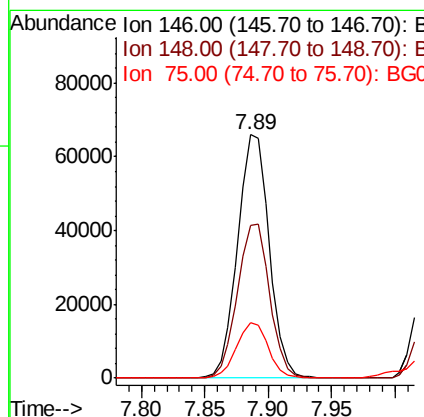
Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#12
1,3-Dichlorobenzene
Concen: 41.607 ng
RT: 7.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.5	52.2	78.2
75	22.8	18.0	27.0





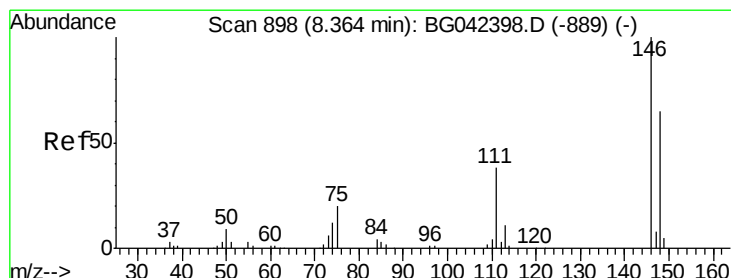
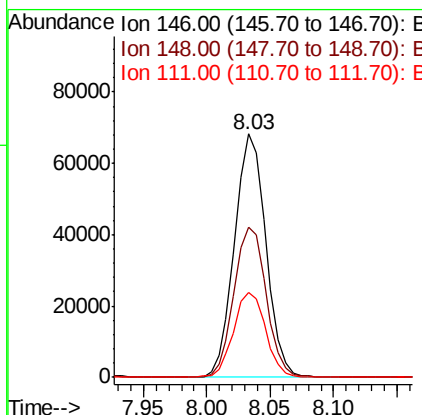
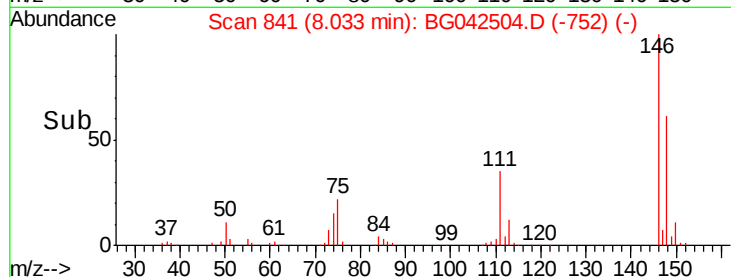
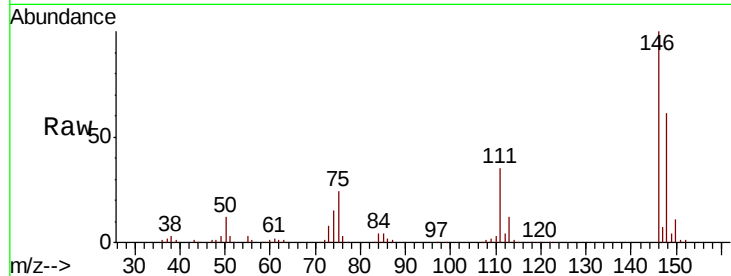
#13
 1,4-Dichlorobenzene
 Concen: 42.119 ng
 RT: 8.03 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	61.5	49.5	74.3
111	35.0	28.1	42.1

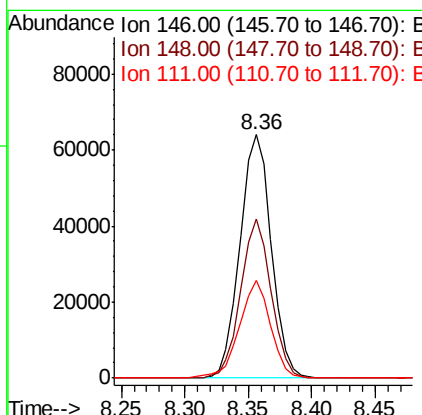
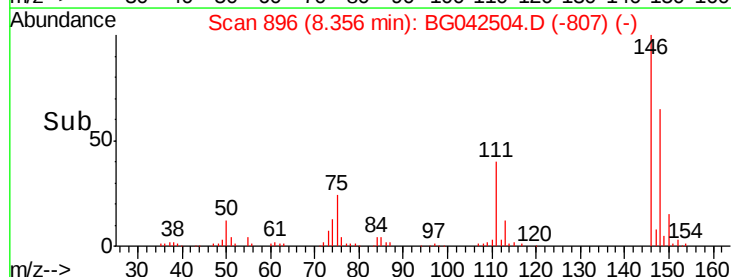
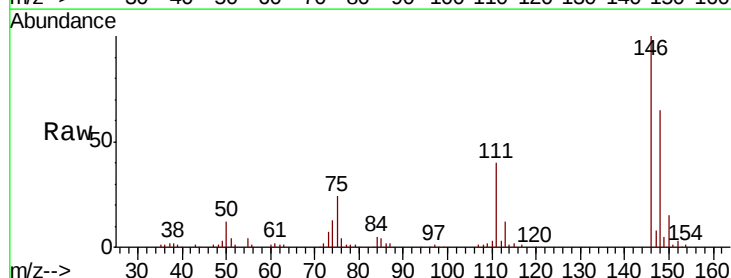
Manual Integrations
 APPROVED

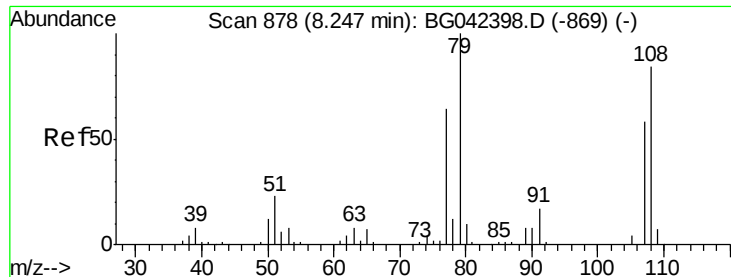
JAGRUT
 8/27/2019 7:51:44 AM



#14
 1,2-Dichlorobenzene
 Concen: 41.206 ng
 RT: 8.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.8	77.6
111	40.1	30.9	46.3





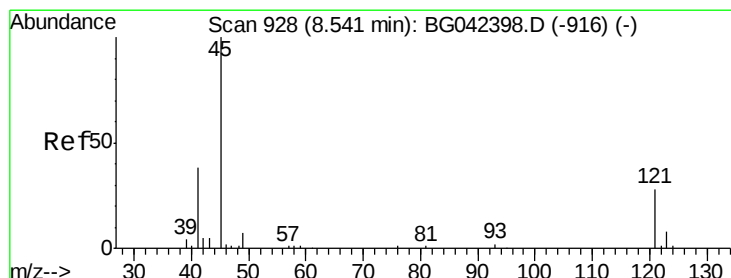
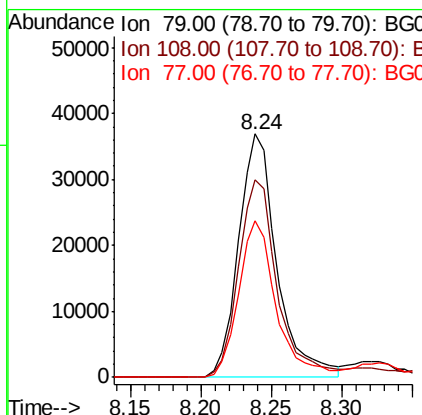
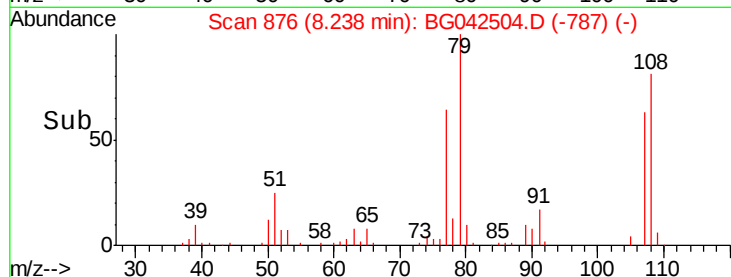
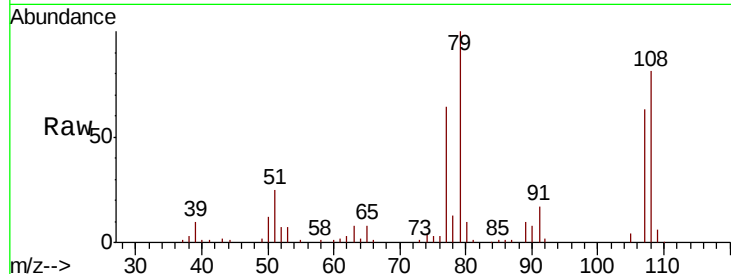
#15
Benzyl Alcohol
Concen: 40.492 ng
RT: 8.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	81.3	67.4	101.2
77	64.5	50.8	76.2

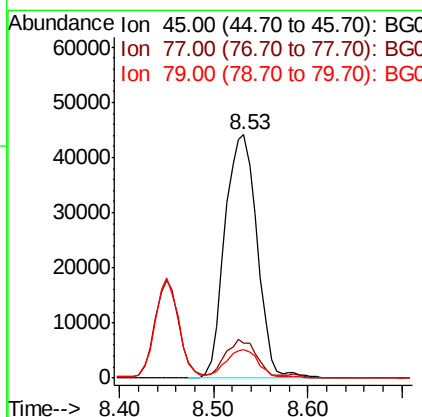
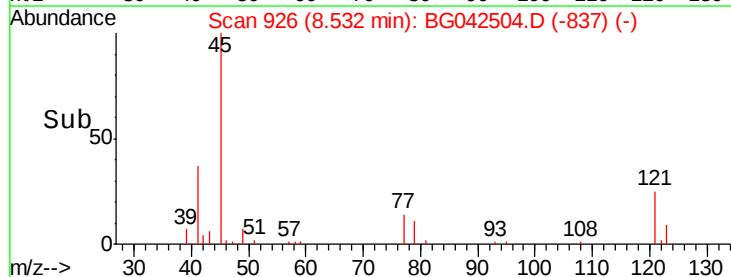
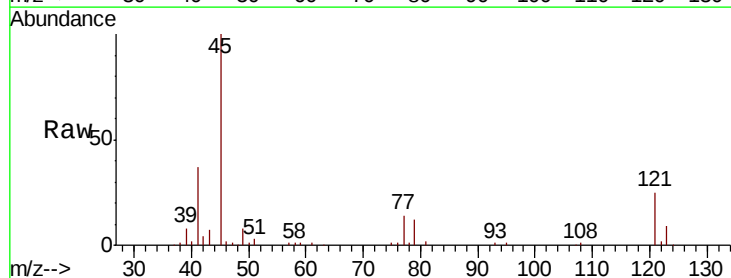
Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.370 ng
RT: 8.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	35.6
79	11.8	0.0	31.6





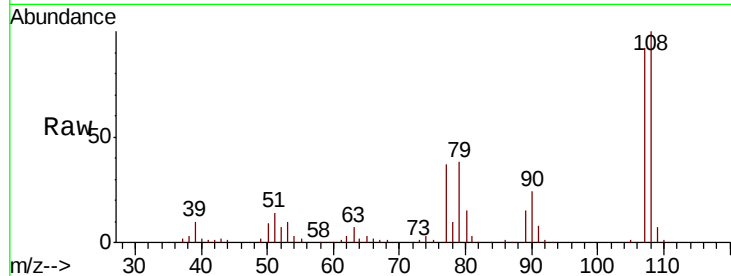
#17
2-Methylphenol
Concen: 41.430 ng
RT: 8.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	108.6	92.9	139.3
77	40.3	34.4	51.6
79	41.2	33.8	50.6

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



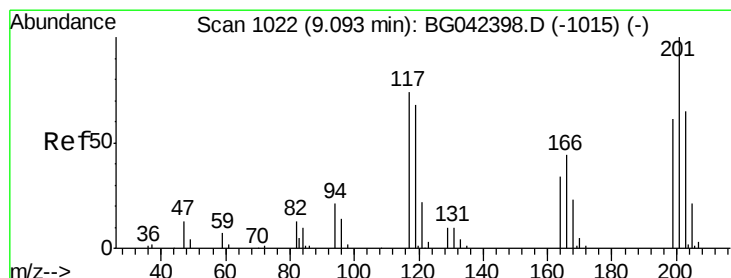
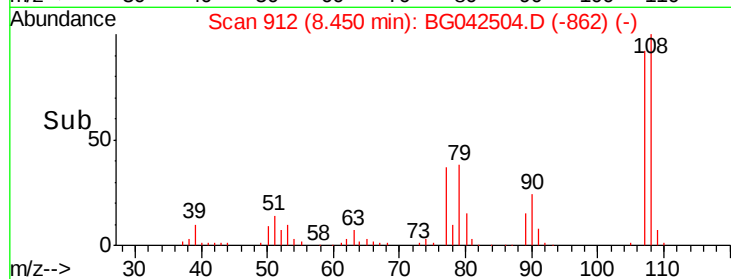
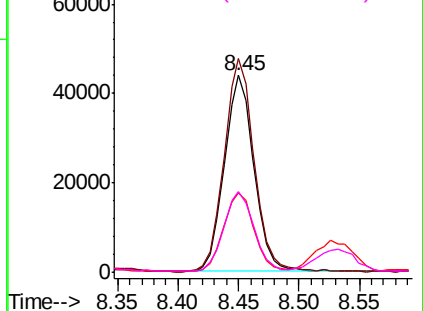
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18
Hexachloroethane
Concen: 41.107 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

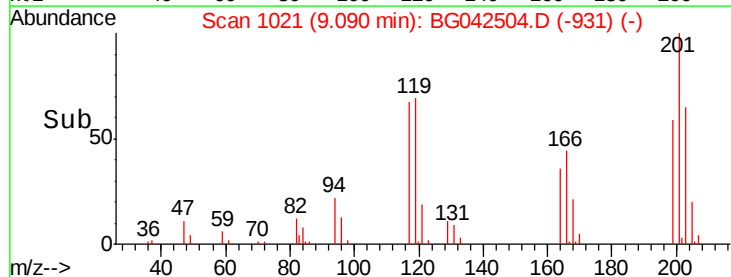
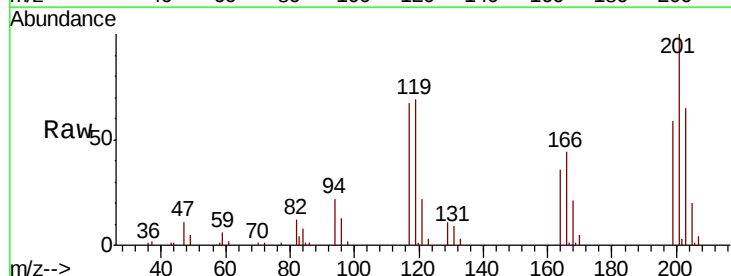
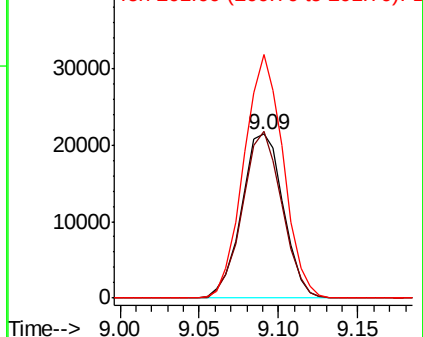
Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.8	73.8	110.8
201	148.3	108.3	162.5

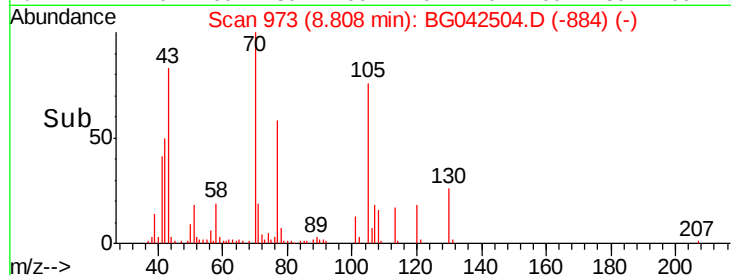
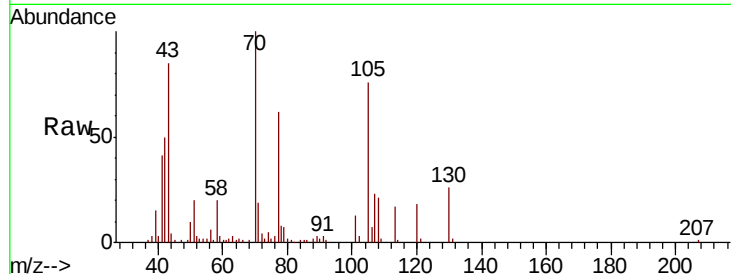
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





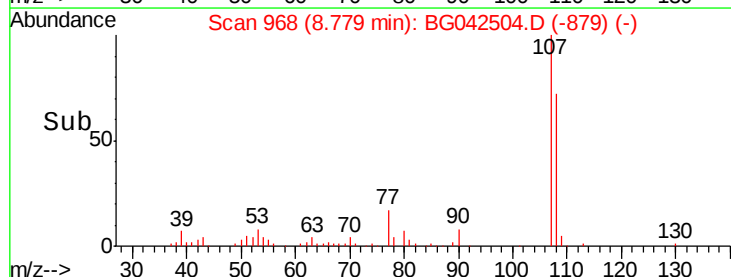
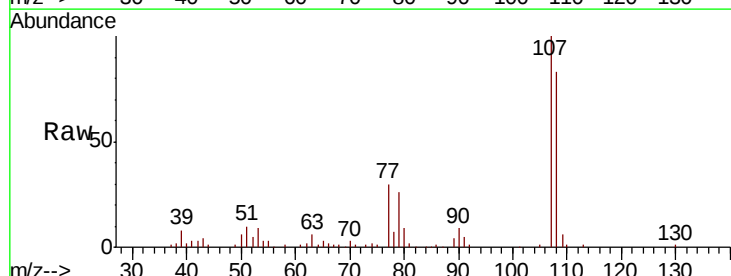
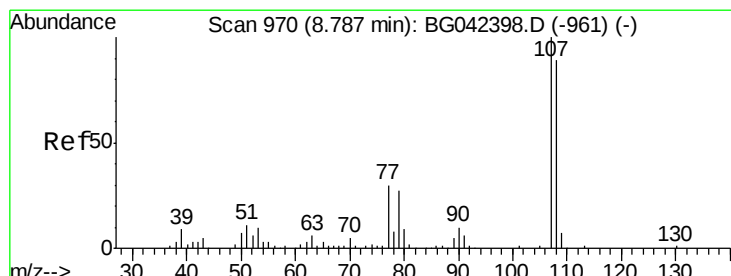
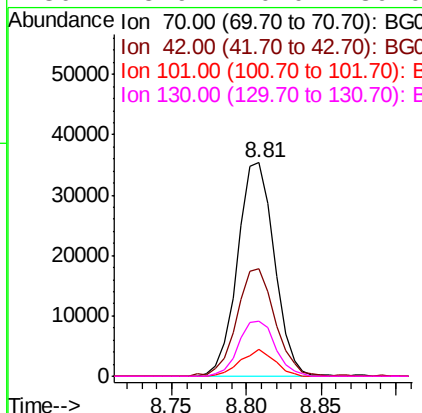
#19
n-Nitroso-di-n-propylamine
Concen: 38.955 ng
RT: 8.81 min Scan# 973
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	50.3	38.8	58.2	
101	12.5	9.0	13.6	
130	25.9	20.0	30.0	

Instrument :
BNA_G
ClientSampled :
TP-1(1-3)MSD

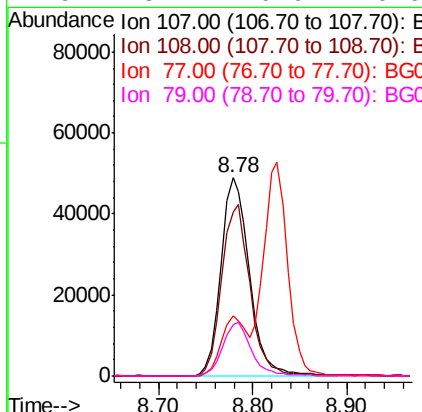
Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#20
3+4-Methylphenols
Concen: 41.550 ng
RT: 8.78 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	82.8	68.7	108.7	
77	30.5	10.2	50.2	
79	25.7	6.9	46.9	





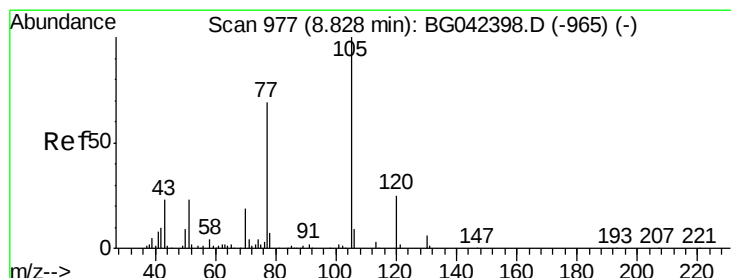
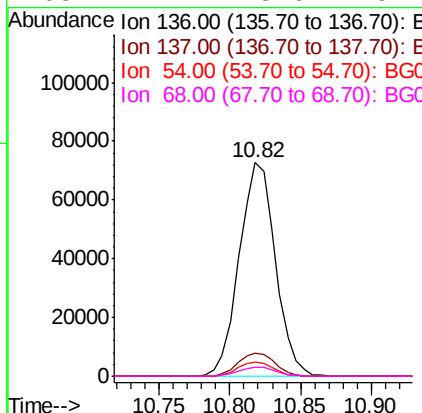
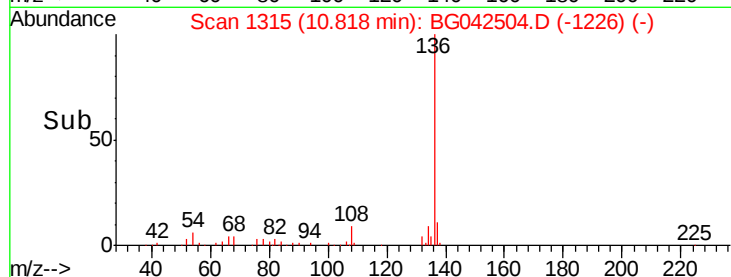
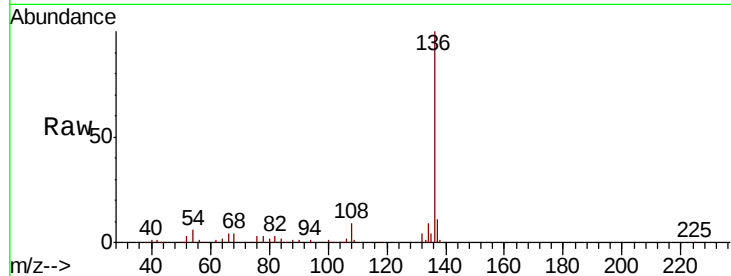
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	130596		
137	10.8		8.7	13.1
54	6.4		4.9	7.3
68	4.1		3.6	5.4

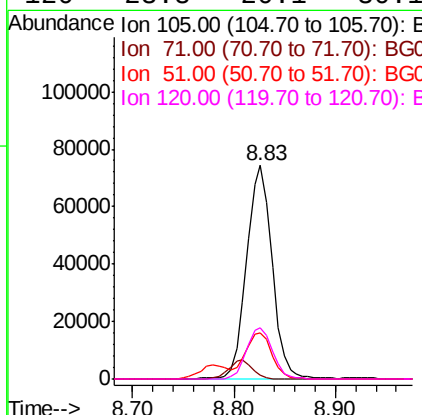
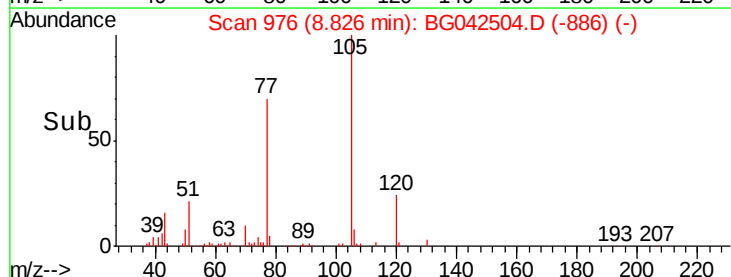
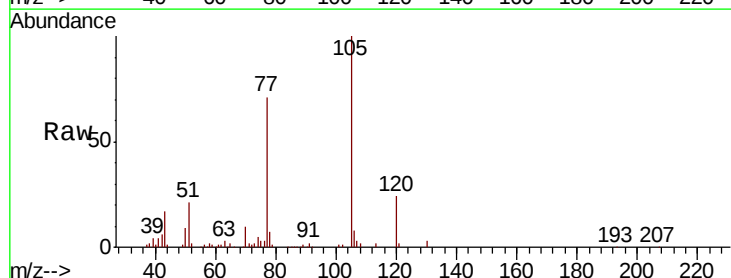
Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#22
Acetophenone
Concen: 46.607 ng
RT: 8.83 min Scan# 976
Delta R.T. -0.00 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	130185		
71	1.8		2.8	4.2#
51	21.4		18.7	28.1
120	23.8		20.1	30.1





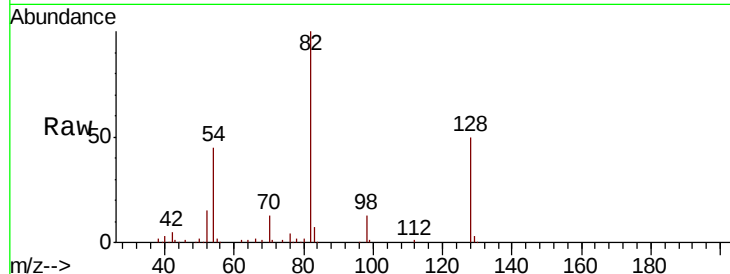
#23
Nitrobenzene-d5
Concen: 97.357 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

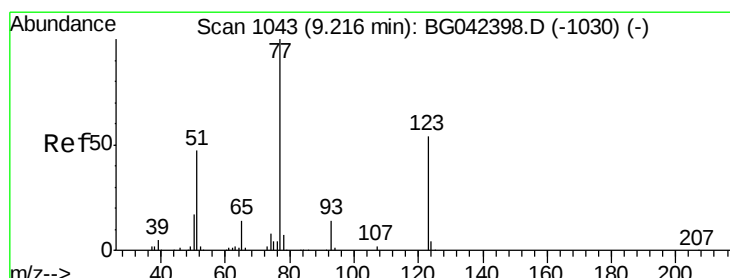
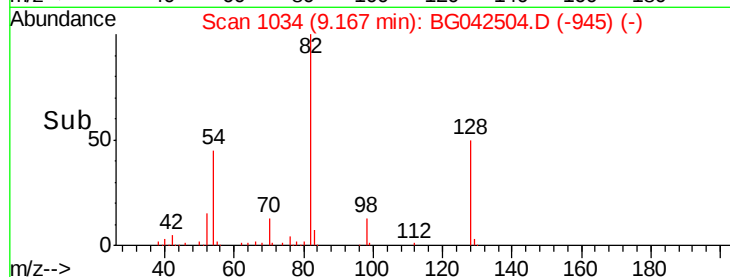
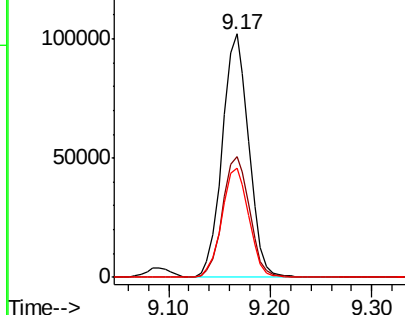
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.8	40.7	61.1
54	44.8	36.3	54.5

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



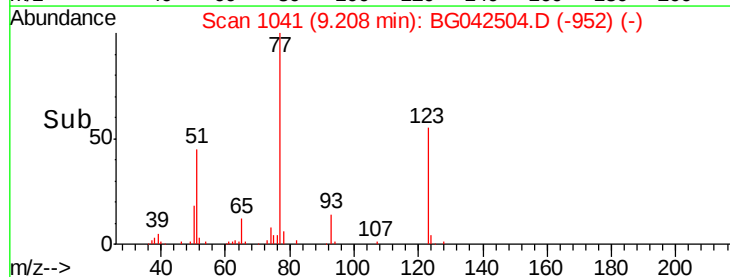
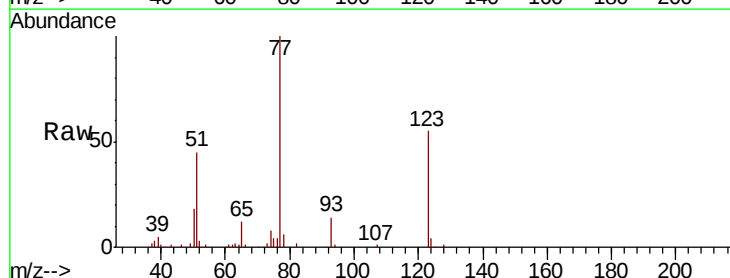
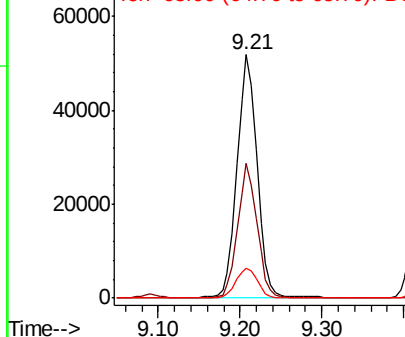
Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

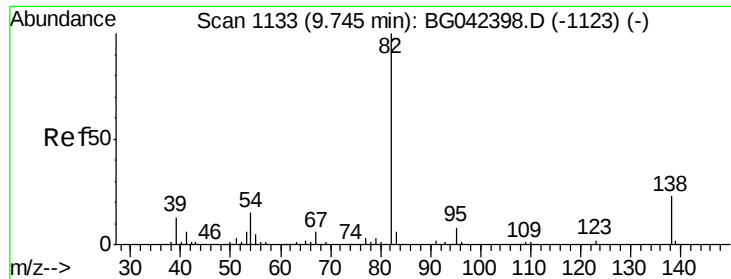


#24
Nitrobenzene
Concen: 46.624 ng
RT: 9.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
77	100		
123	55.3	43.4	65.0
65	12.5	11.0	16.6

Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 44.371 ng

RT: 9.73 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

ClientSampleId :

TP-1(1-3)MSD

Tot Ion: 82 Resp: 165489

Ion Ratio Lower Upper

82 100

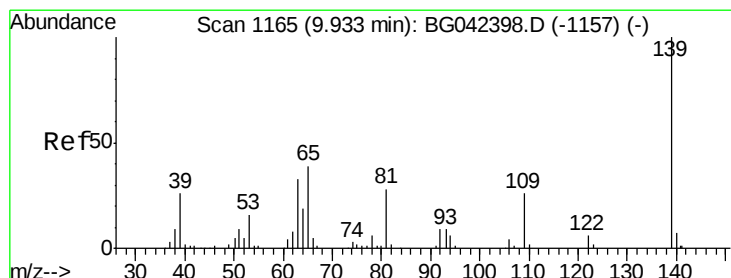
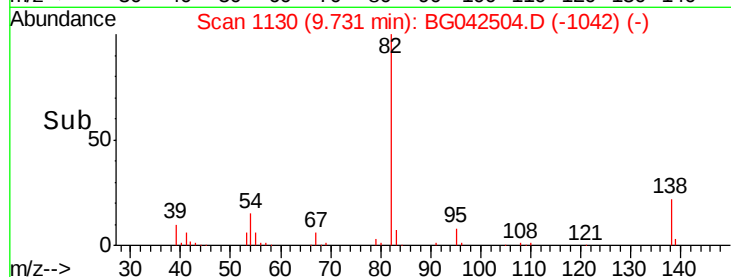
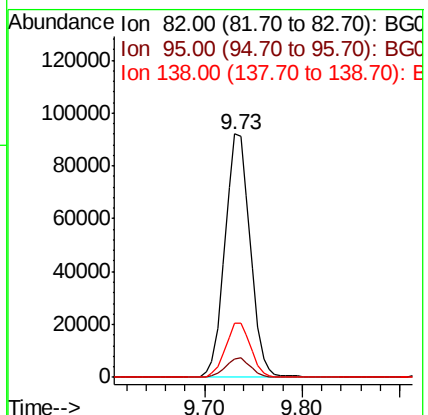
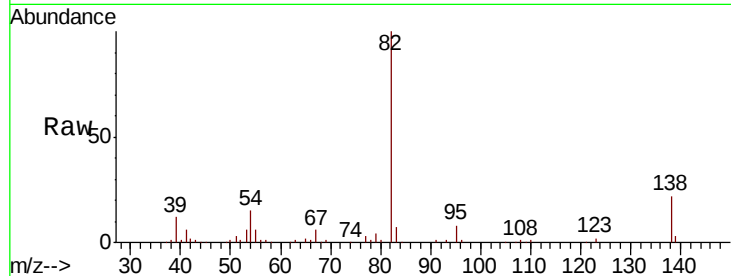
95 7.7 6.6 9.8

138 22.2 18.6 27.8

Manual Integrations
APPROVED

JAGRUT

8/27/2019 7:51:44 AM



#26

2-Nitrophenol

Concen: 46.924 ng

RT: 9.92 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

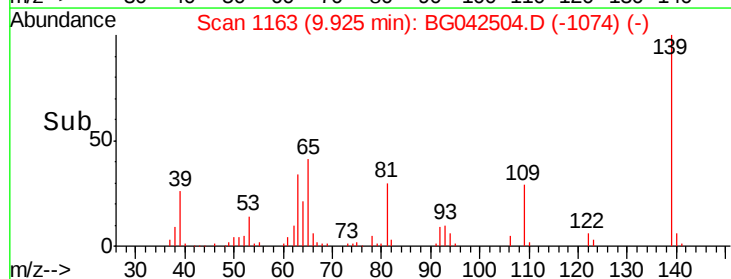
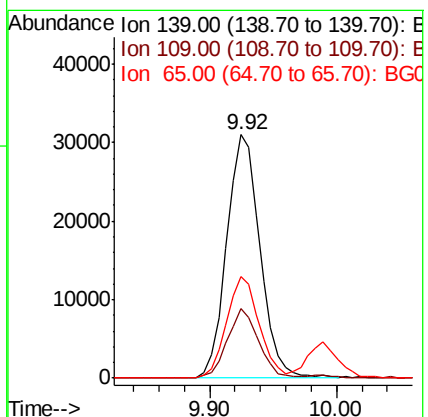
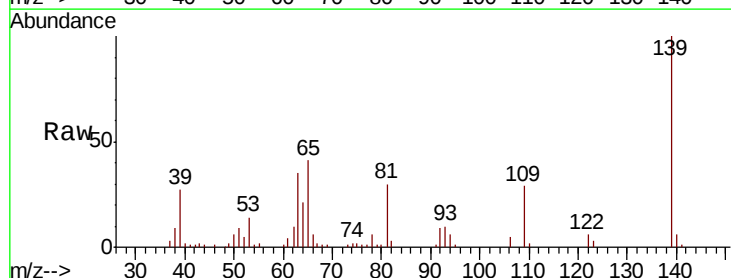
Tgt Ion: 139 Resp: 56275

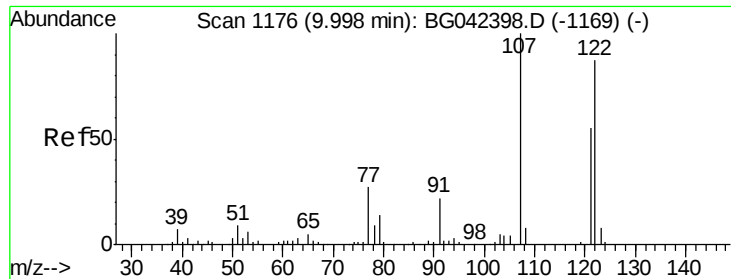
Ion Ratio Lower Upper

139 100

109 28.5 20.5 30.7

65 41.5 30.9 46.3





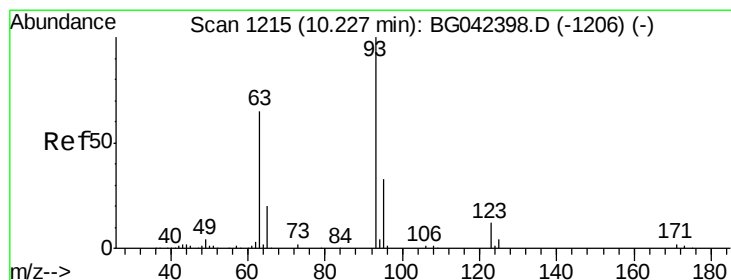
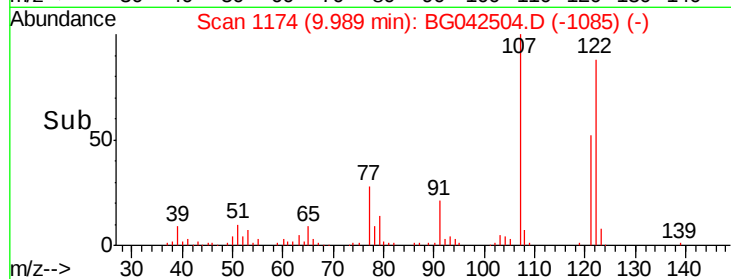
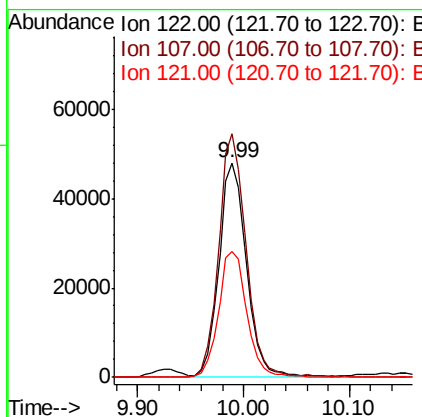
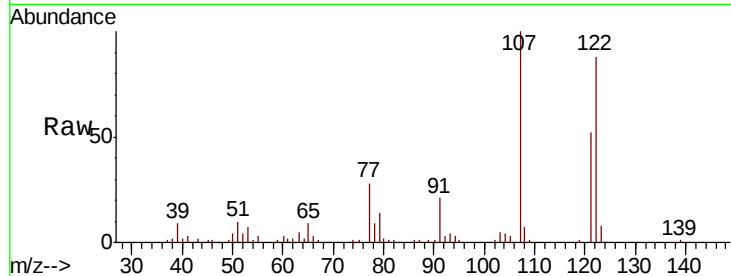
#27
 2,4-Dimethylphenol
 Concen: 52.116 ng
 RT: 9.99 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		86096		
107	113.6	90.8	136.2		
121	58.6	49.6	74.4		

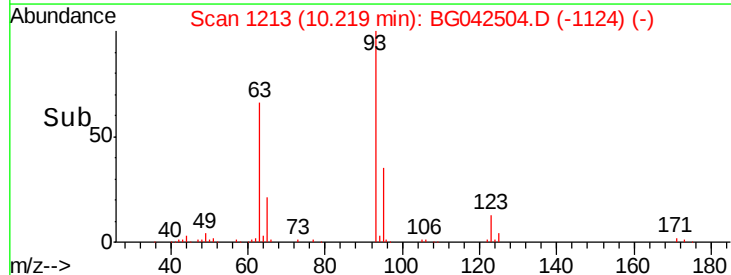
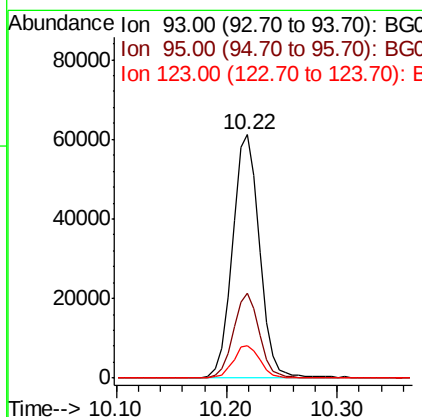
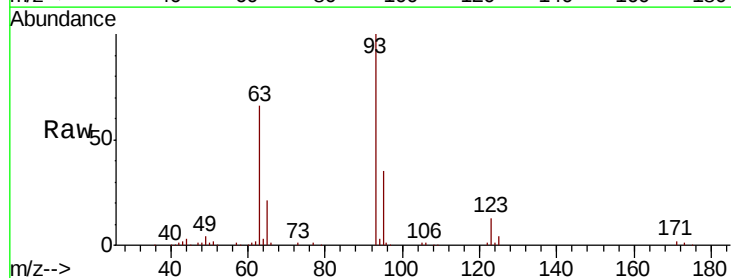
Manual Integrations
 APPROVED

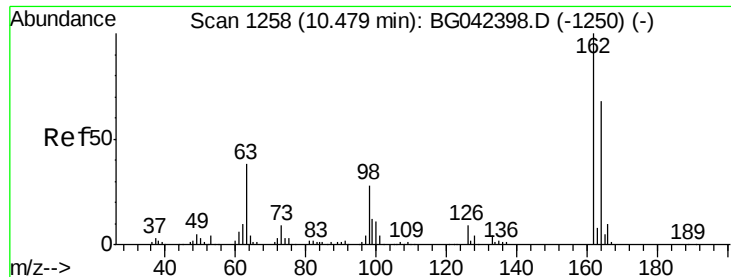
JAGRUT
 8/27/2019 7:51:44 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 44.807 ng
 RT: 10.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		105329		
95	34.8	26.6	40.0		
123	13.4	10.1	15.1		





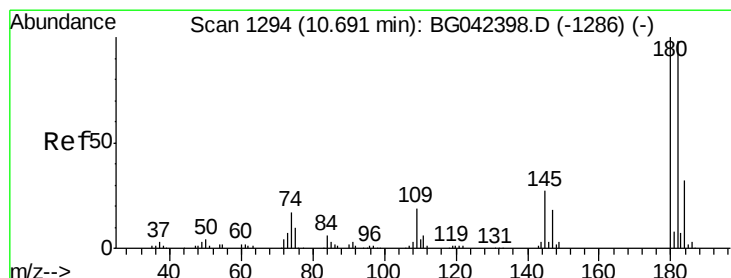
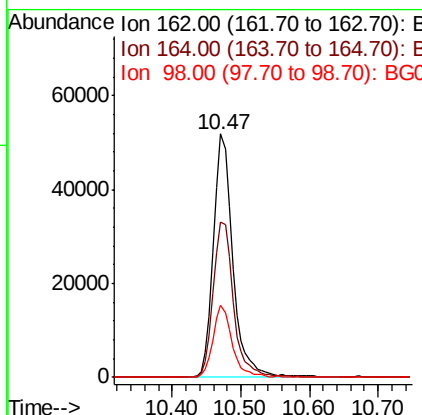
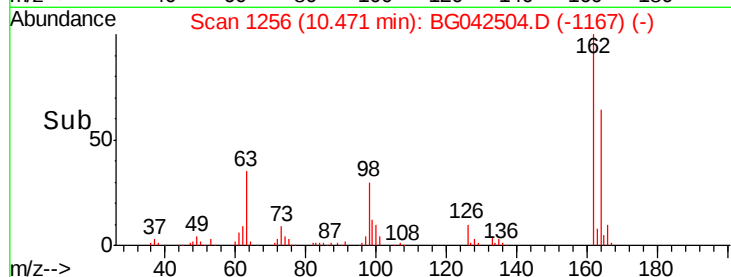
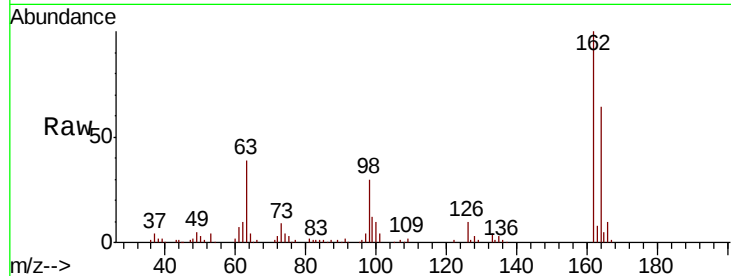
#29
 2,4-Dichlorophenol
 Concen: 47.351 ng
 RT: 10.47 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	102345		
164	63.9	48.1	88.1	
98	29.8	7.6	47.6	

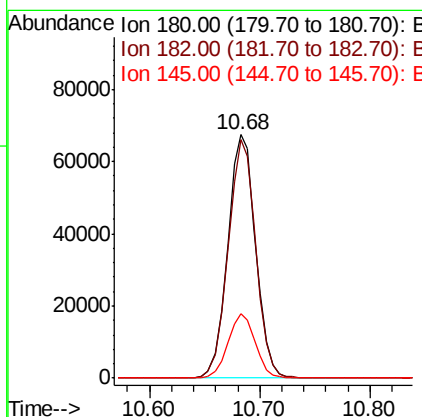
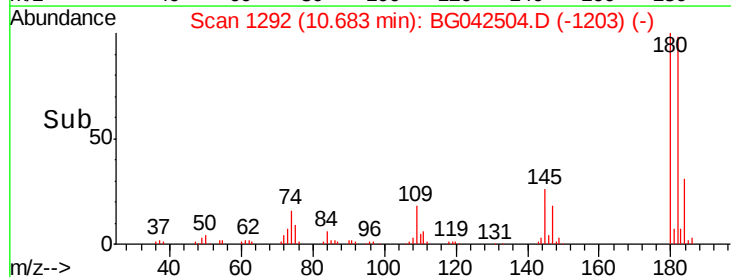
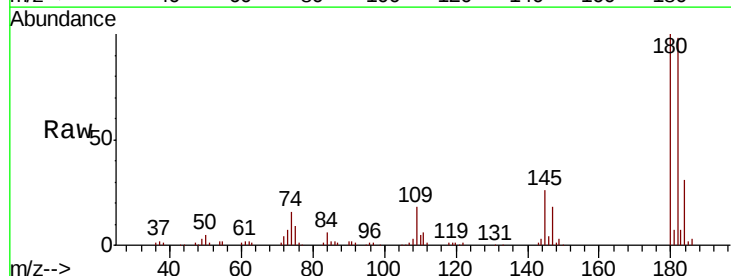
Manual Integrations
 APPROVED

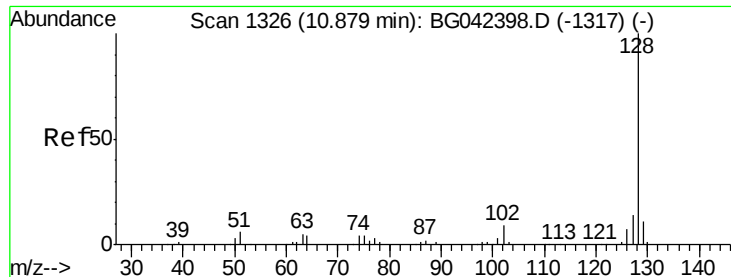
JAGRUT
 8/27/2019 7:51:44 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 44.875 ng
 RT: 10.68 min Scan# 1292
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	119052		
182	97.9	78.7	118.1	
145	26.5	21.6	32.4	





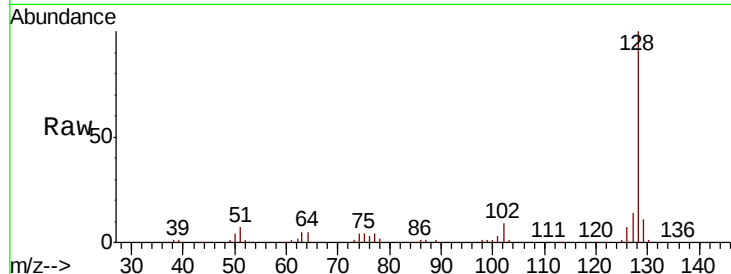
#31
Naphthalene
Concen: 46.645 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	14.0	11.4	17.0

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM

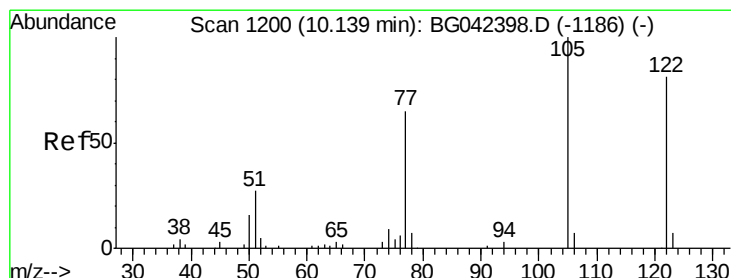
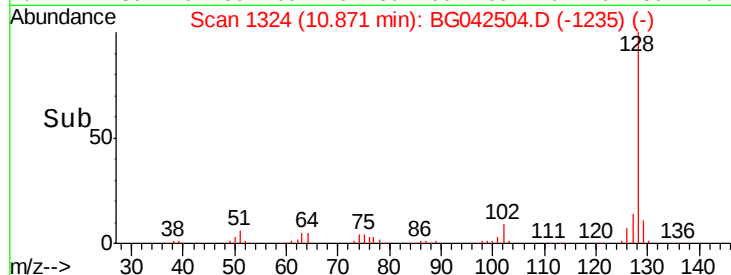
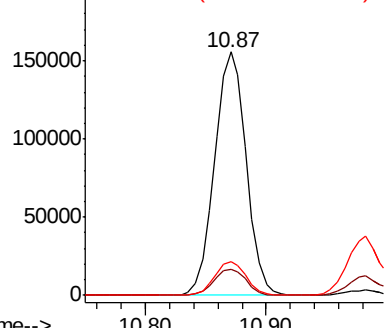


Abundance

Ion 128.00 (127.70 to 128.70): E

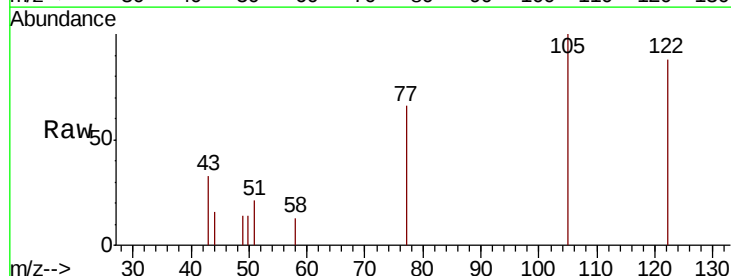
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 10.372 ng m
RT: 10.14 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
122	100		
105	113.8	99.6	139.6
77	75.0	59.5	99.5

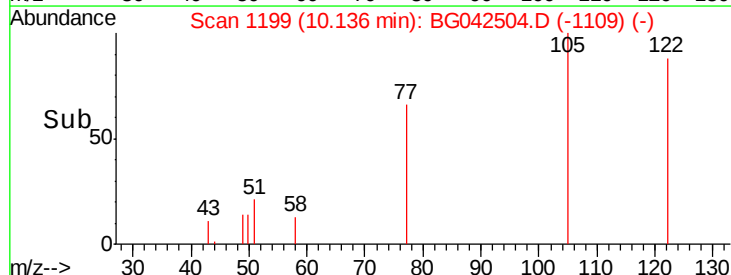
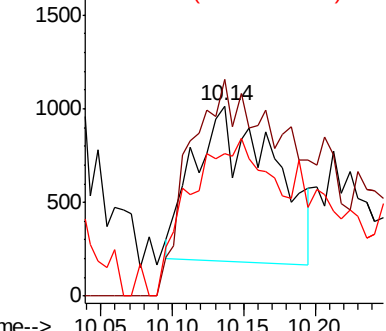


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGO





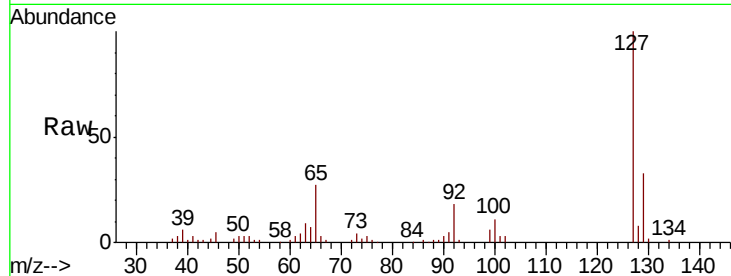
#33
4-Chloroaniline
Concen: 28.383 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

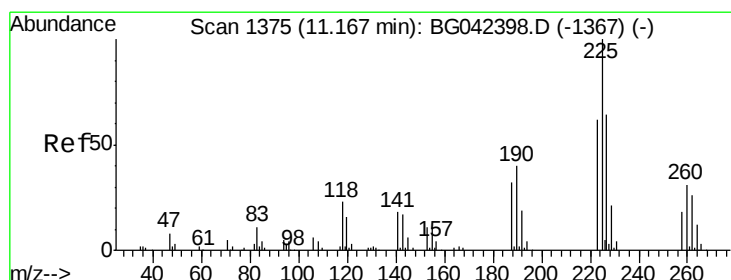
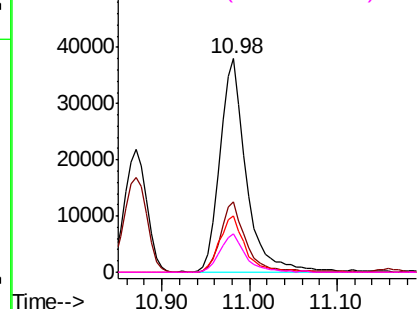
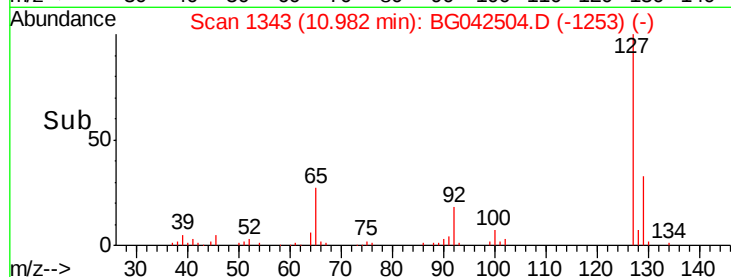
Tot Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.8	40.2
65	26.5	20.7	31.1
92	17.7	13.6	20.4

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM

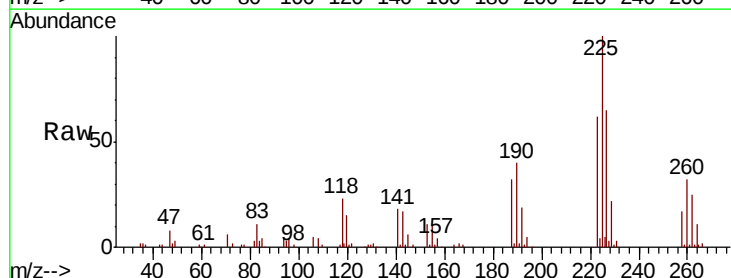


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

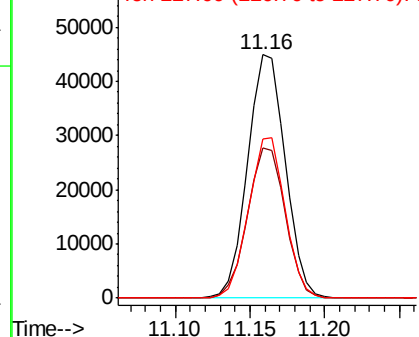
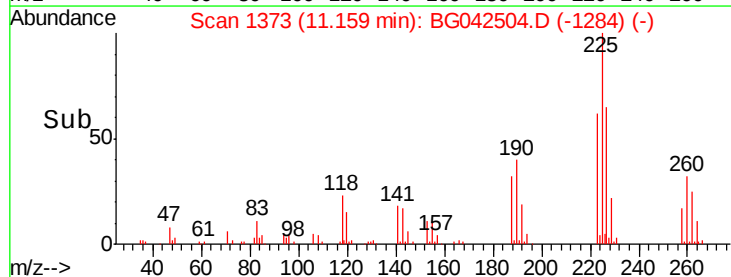


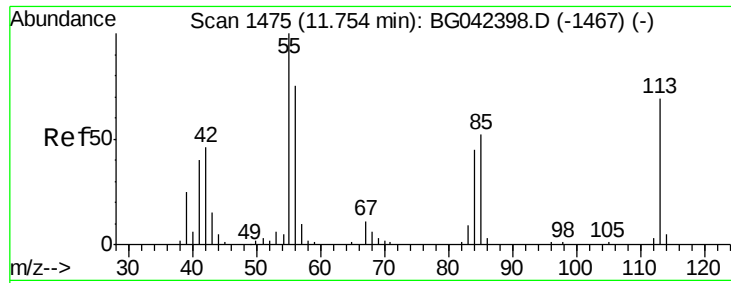
#34
Hexachlorobutadiene
Concen: 43.896 ng
RT: 11.16 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.8	74.6
227	68.6	50.9	76.3



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 45.214 ng

RT: 11.75 min Scan# 1473

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

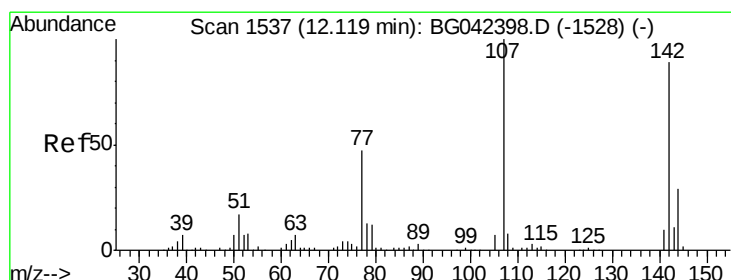
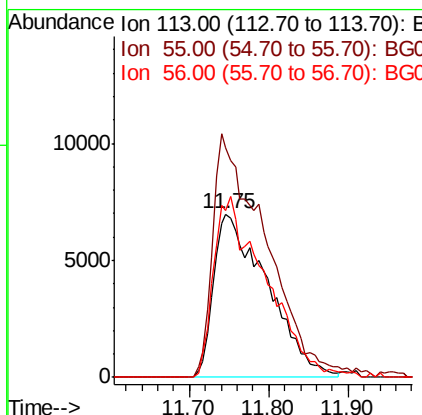
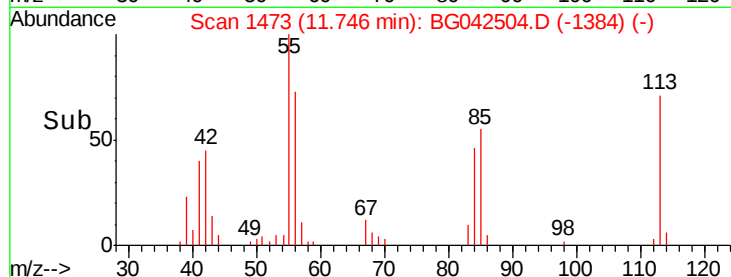
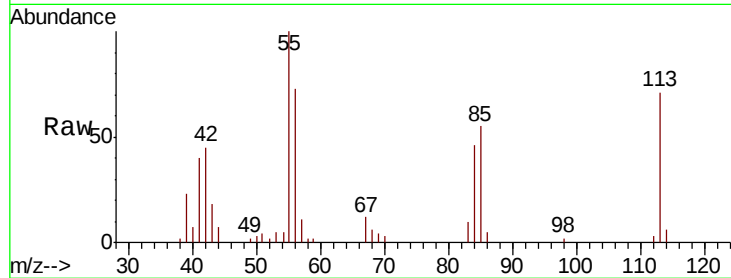
ClientSampled :

TP-1(1-3)MSD

Tot Ion:	113	Resp:	32609
Ion	Ratio	Lower	Upper
113	100		
55	140.8	124.6	164.6
56	102.4	88.3	128.3

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#36

4-Chloro-3-methylphenol

Concen: 43.670 ng

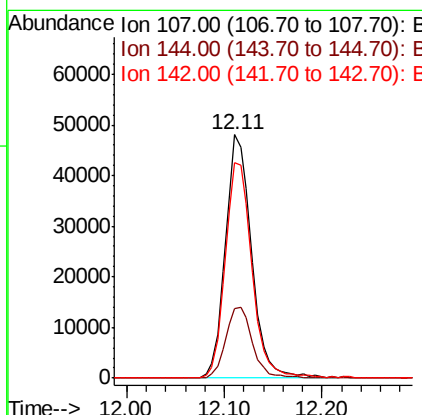
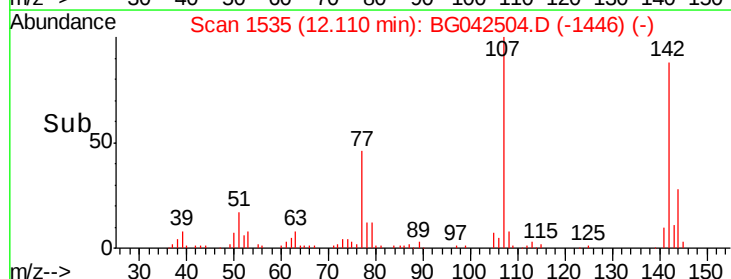
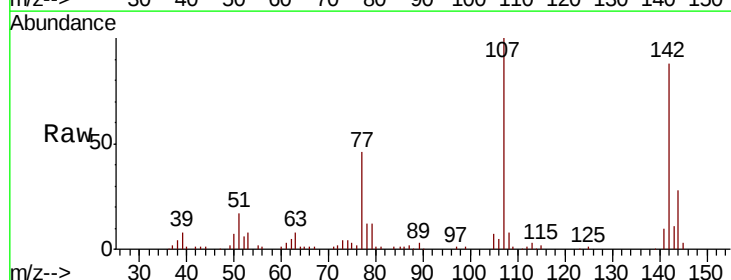
RT: 12.11 min Scan# 1535

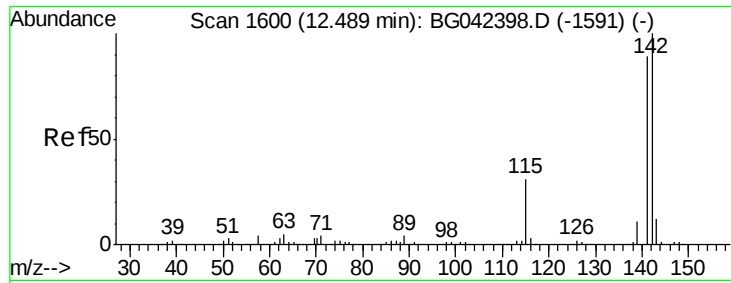
Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Tgt Ion:	107	Resp:	89602
Ion	Ratio	Lower	Upper
107	100		
144	28.4	23.6	35.4
142	88.5	71.0	106.4





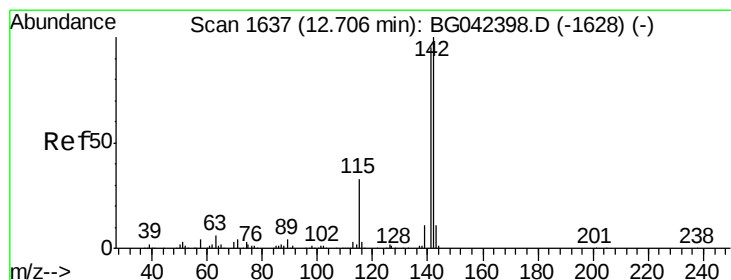
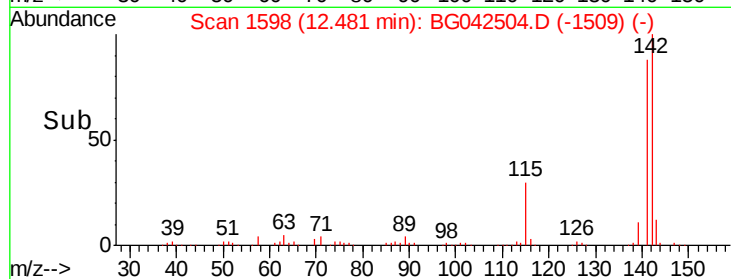
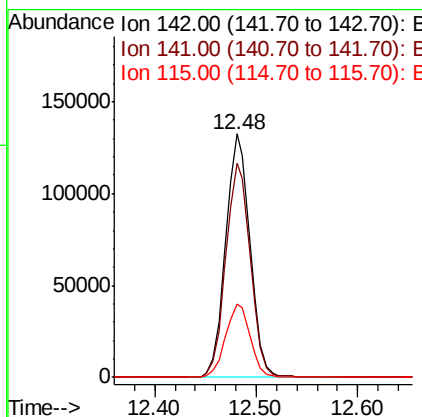
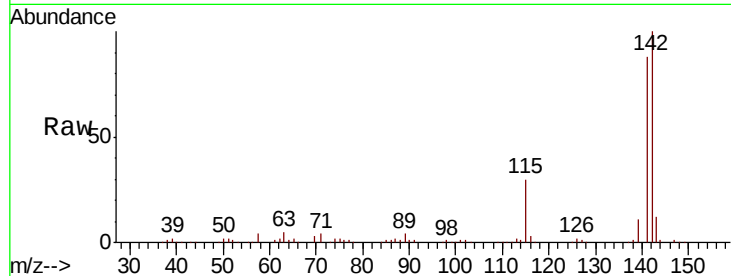
#37
2-Methylnaphthalene
Concen: 45.250 ng
RT: 12.48 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.4	107.2
115	30.2	25.2	37.8

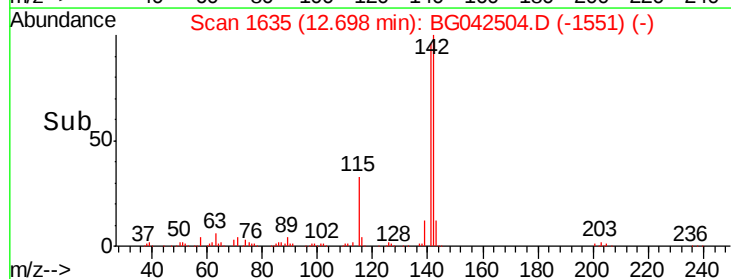
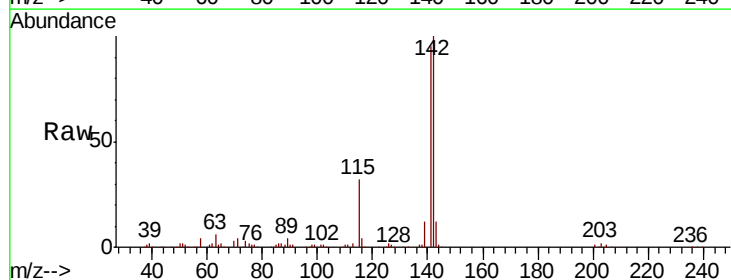
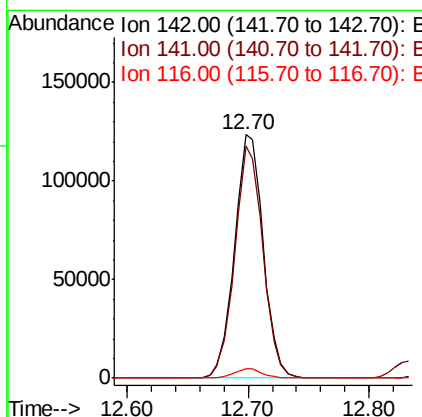
Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#38
1-Methylnaphthalene
Concen: 44.270 ng
RT: 12.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.4	76.2	114.2
116	3.8	2.8	4.2





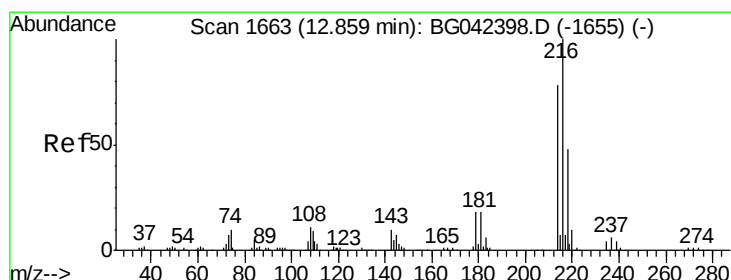
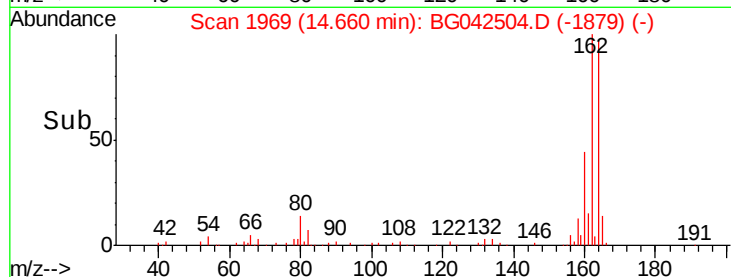
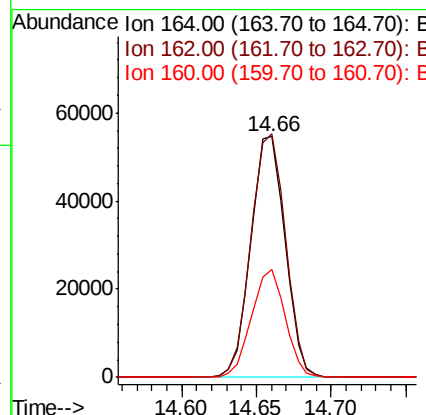
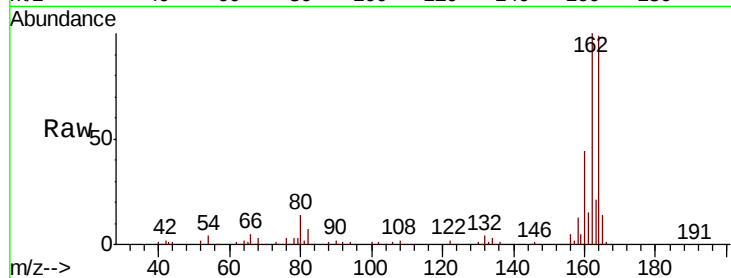
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	79.9	119.9
160	44.7	34.3	51.5

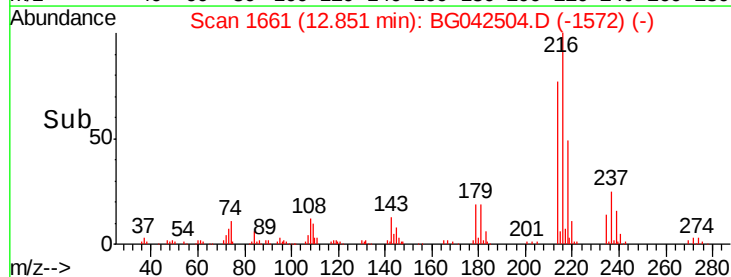
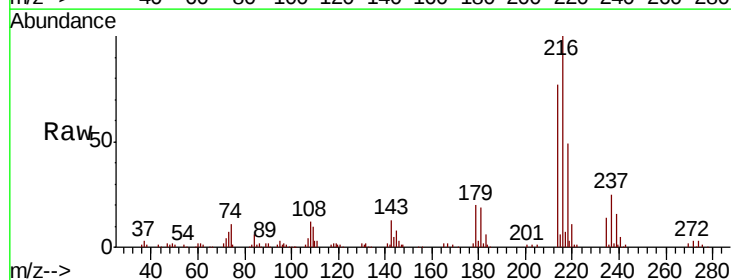
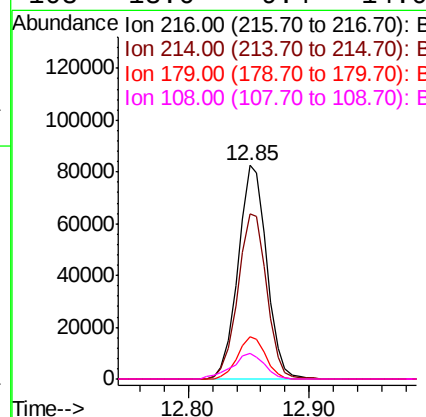
Manual Integrations
APPROVED

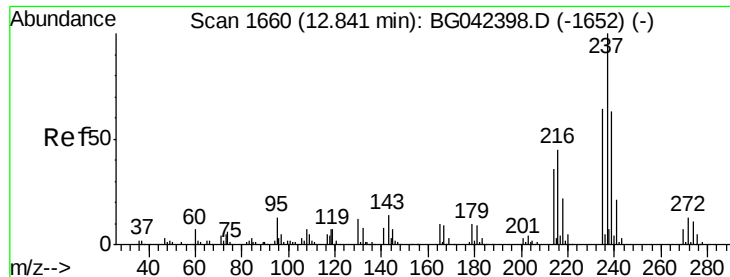
JAGRUT
8/27/2019 7:51:44 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.894 ng
RT: 12.85 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.1	61.4	92.2
179	19.3	15.1	22.7
108	13.6	9.4	14.0





#41

Hexachlorocyclopentadiene

Concen: 101.049 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

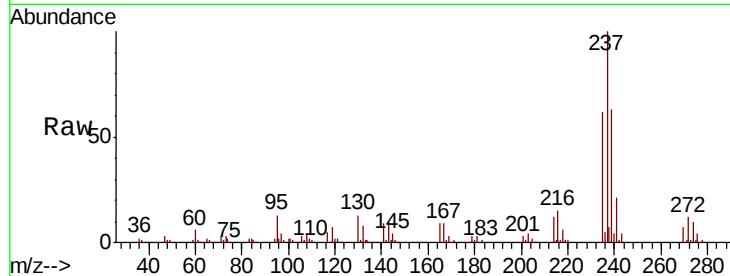
ClientSampleId :

TP-1(1-3)MSD

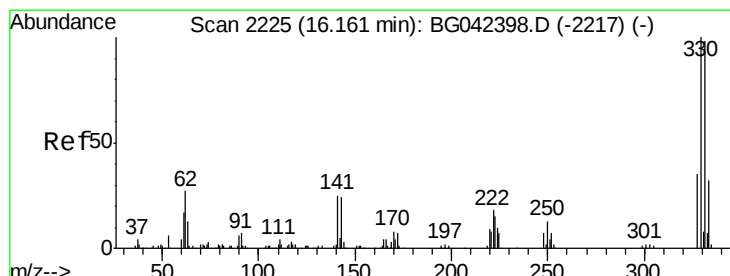
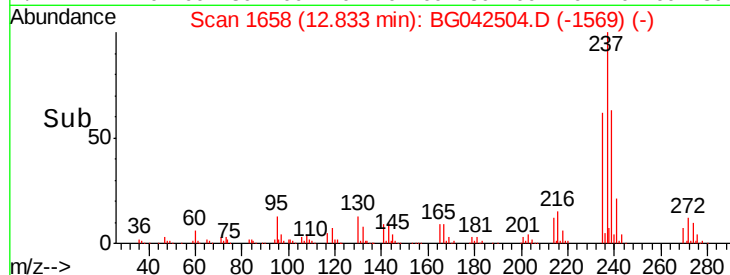
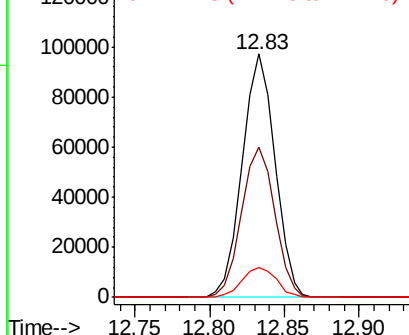
Tot Ion:	237	Resp:	147681
Ion Ratio	Lower	Upper	
237	100		
235	61.7	43.7	83.7
272	12.4	0.0	33.3

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 140.951 ng

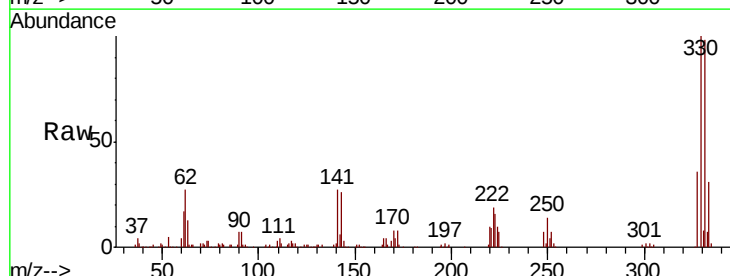
RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

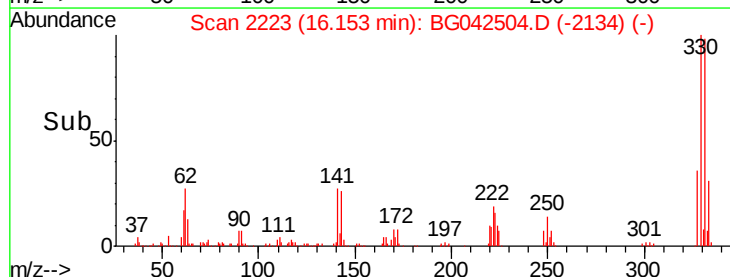
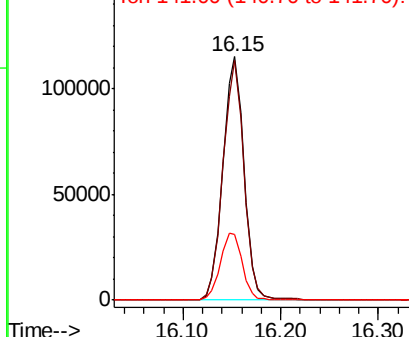
Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Tgt Ion:	330	Resp:	173569
Ion Ratio	Lower	Upper	
330	100		
332	97.7	77.4	116.0
141	28.6	21.4	32.0



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





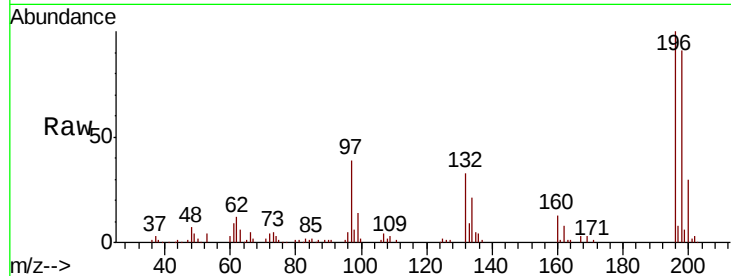
#43
 2,4,6-Trichlorophenol
 Concen: 47.862 ng
 RT: 13.09 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	90010		
198	91.1	80.7	121.1	
200	30.3	25.7	38.5	

Manual Integrations
 APPROVED

JAGRUT
 8/27/2019 7:51:44 AM

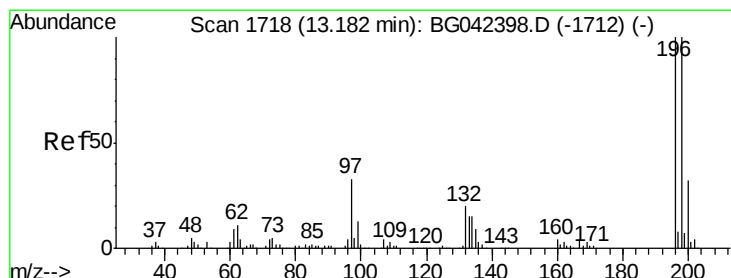
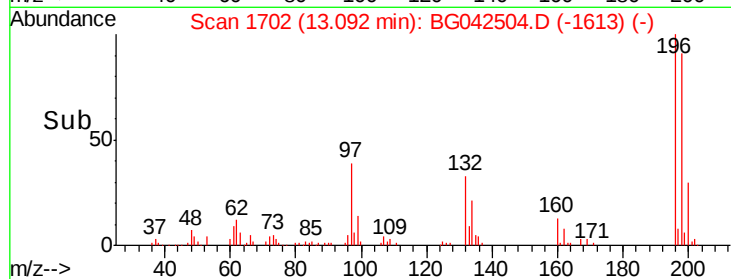
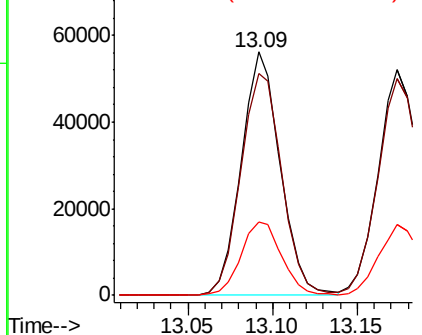


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 47.368 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	92313		
198	95.9	80.2	120.4	
97	34.1	26.3	39.5	
132	21.5	16.6	24.8	

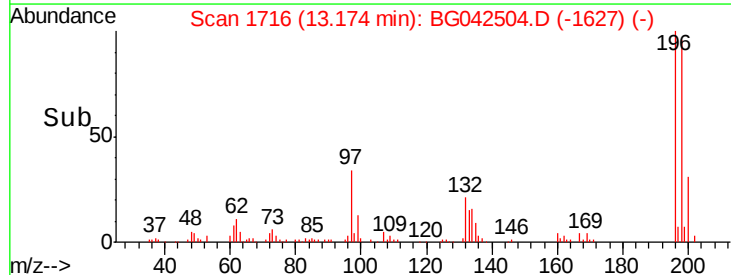
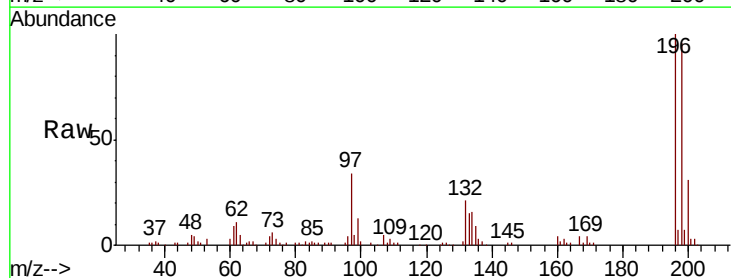
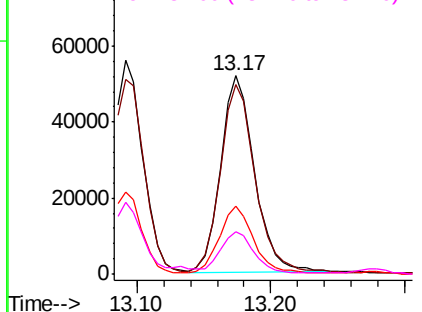
Abundance

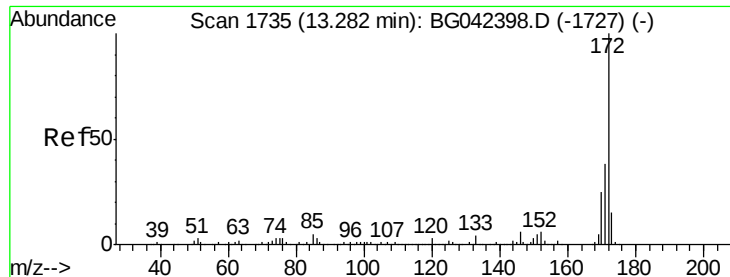
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E





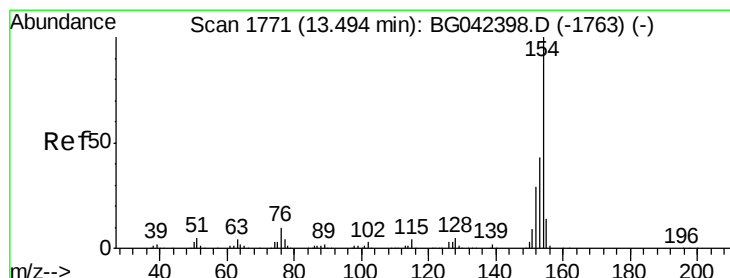
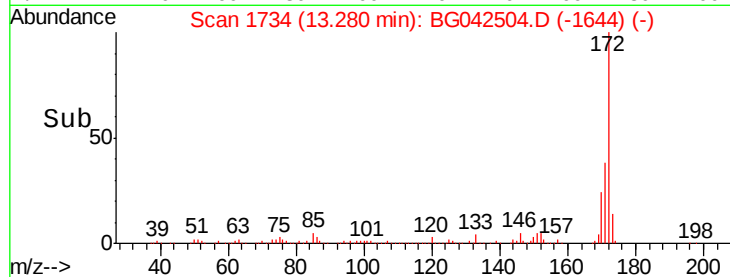
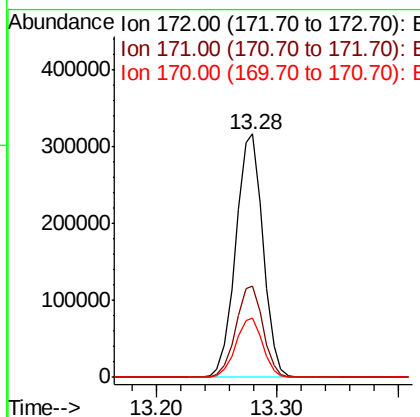
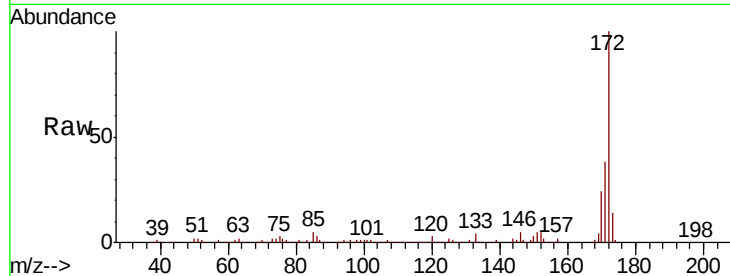
#45
2-Fluorobiphenyl
Concen: 97.053 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.5	45.7
170	24.5	20.2	30.2

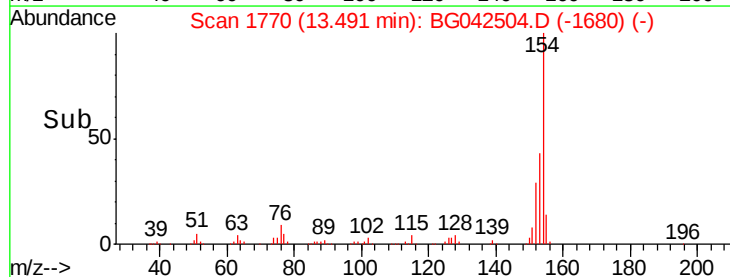
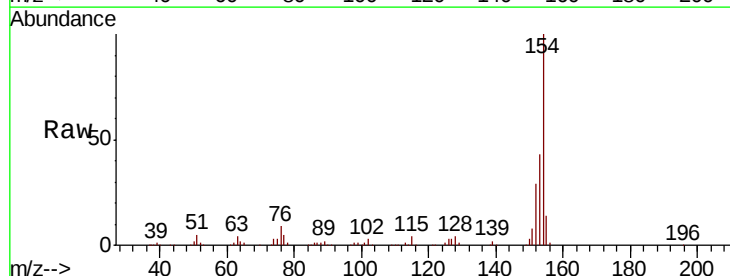
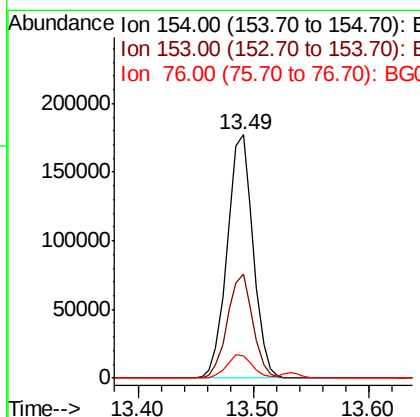
Manual Integrations
APPROVED

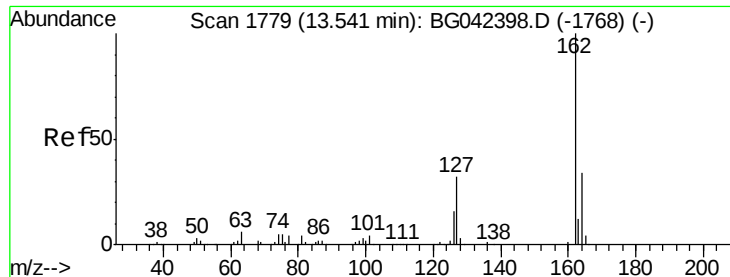
JAGRUT
8/27/2019 7:51:44 AM



#46
1,1'-Biphenyl
Concen: 48.902 ng
RT: 13.49 min Scan# 1770
Delta R.T. -0.00 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.6	23.0	63.0
76	9.1	0.0	29.6





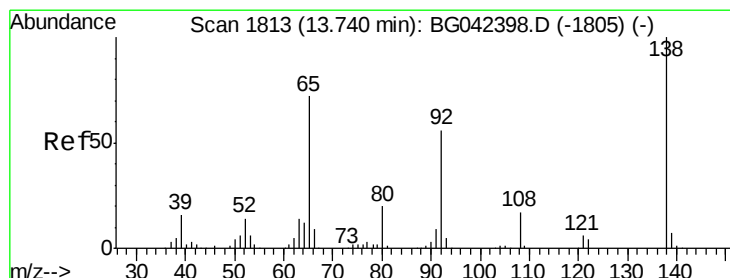
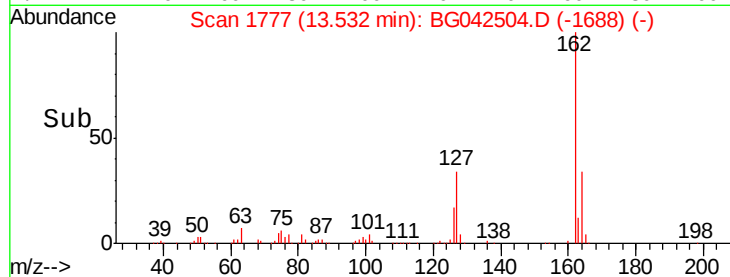
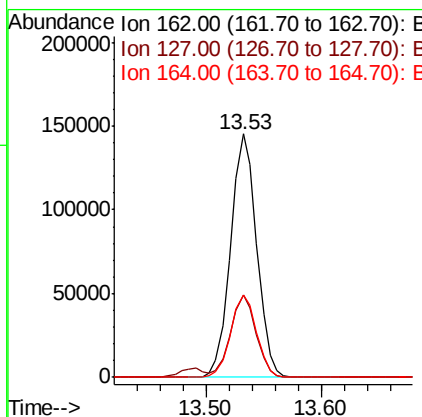
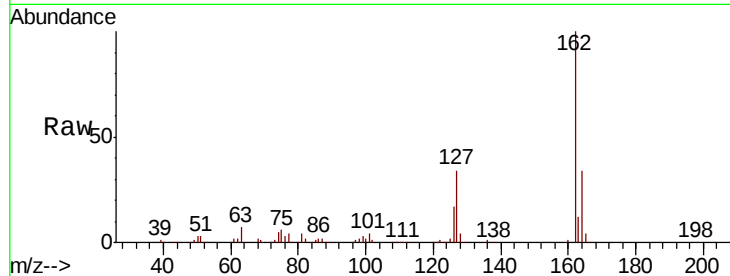
#47
 2-Chloronaphthalene
 Concen: 46.879 ng
 RT: 13.53 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	33.9	26.0	39.0
164	33.8	27.4	41.0

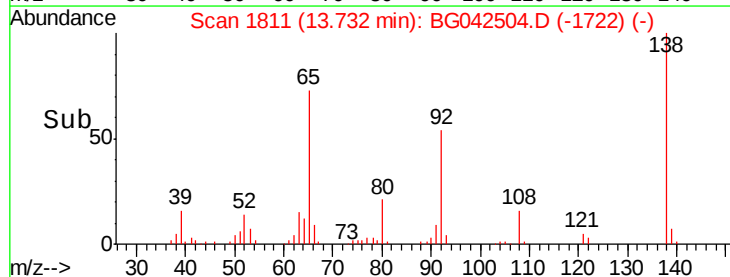
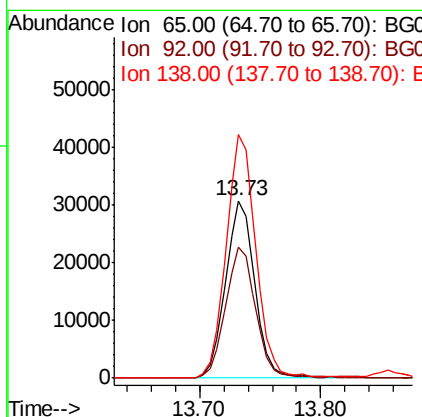
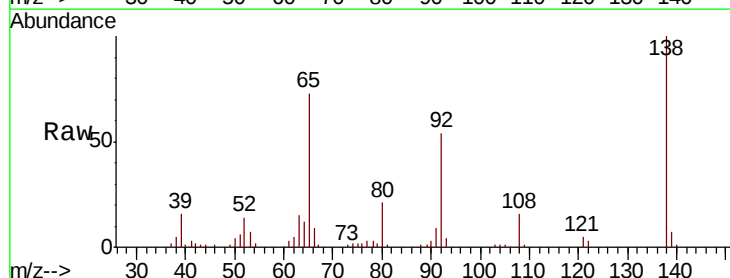
Manual Integrations
 APPROVED

JAGRUT
 8/27/2019 7:51:44 AM



#48
 2-Nitroaniline
 Concen: 44.399 ng
 RT: 13.73 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
65	100		
92	74.0	61.8	92.6
138	137.4	111.0	166.6





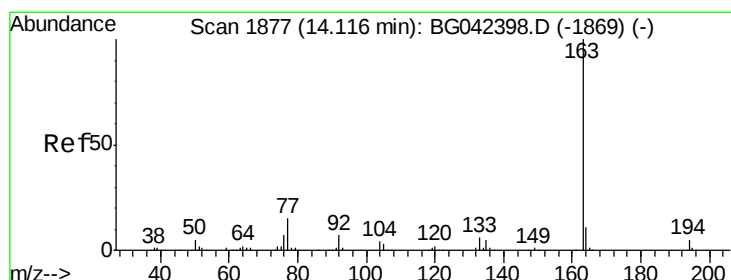
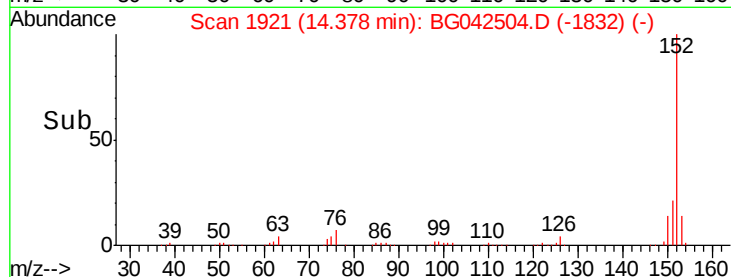
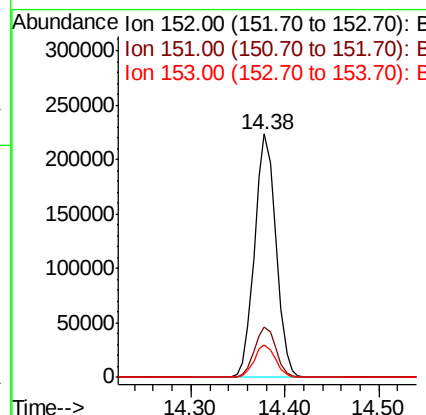
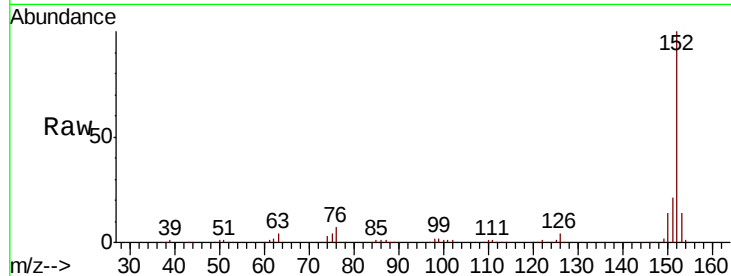
#49
Acenaphthylene
Concen: 48.646 ng
RT: 14.38 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.8	17.0	25.4
153	13.6	10.6	16.0

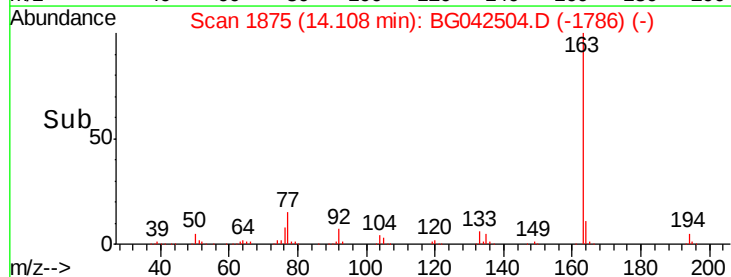
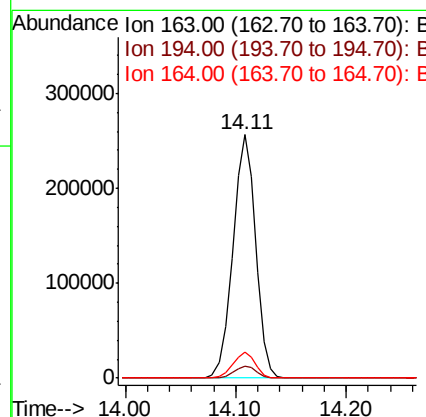
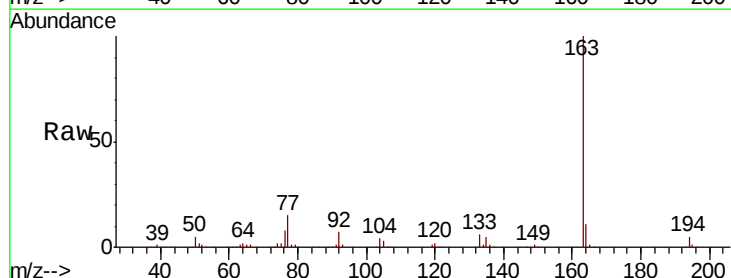
Manual Integrations
APPROVED

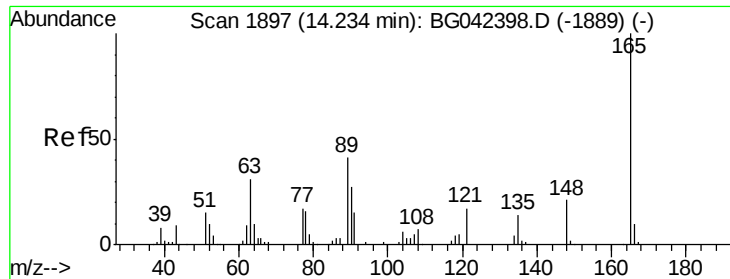
JAGRUT
8/27/2019 7:51:44 AM



#50
Dimethylphthalate
Concen: 58.983 ng
RT: 14.11 min Scan# 1875
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	4.2	6.2
164	10.8	8.8	13.2





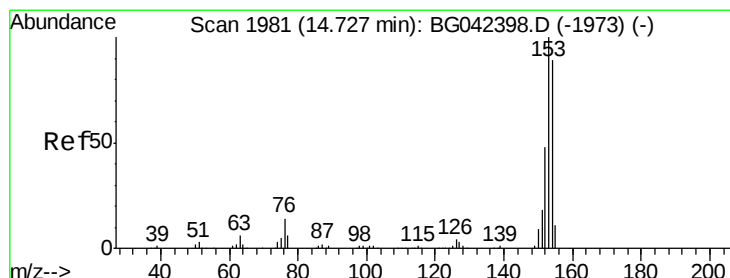
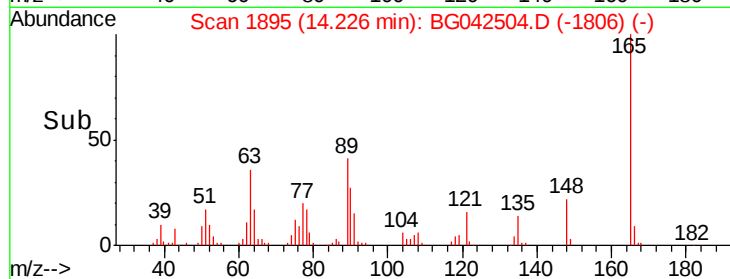
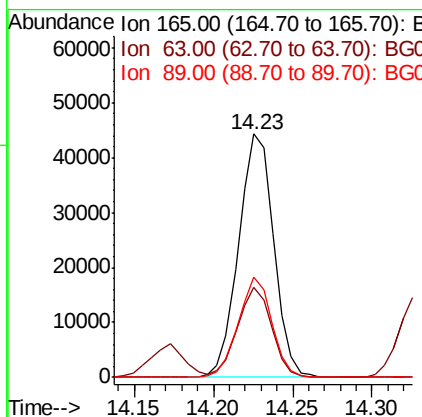
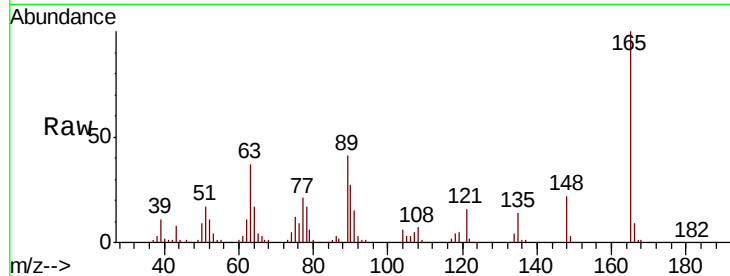
#51
 2,6-Dinitrotoluene
 Concen: 46.935 ng
 RT: 14.23 min Scan# 1895
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tot Ion:	165	Resp:	68008
Ion Ratio	Lower	Upper	
165	100		
63	36.8	30.6	45.8
89	41.3	32.6	49.0

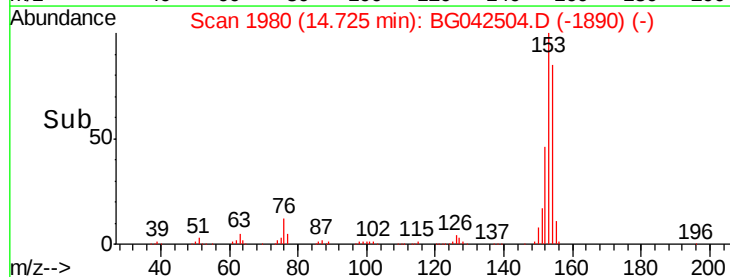
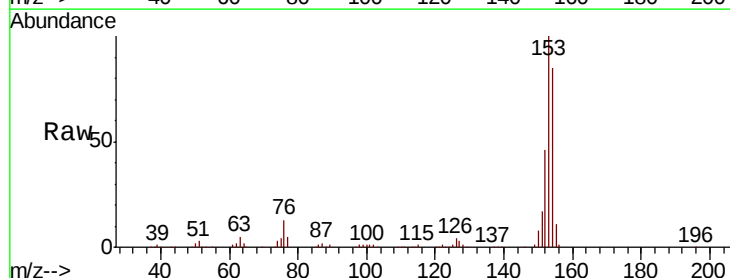
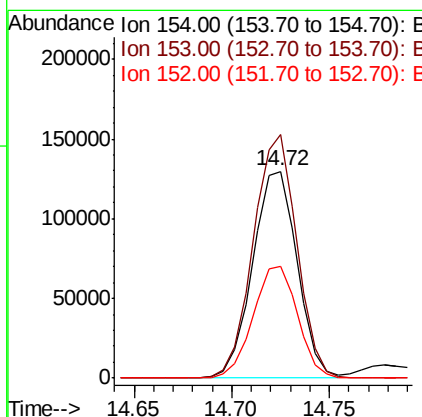
Manual Integrations
 APPROVED

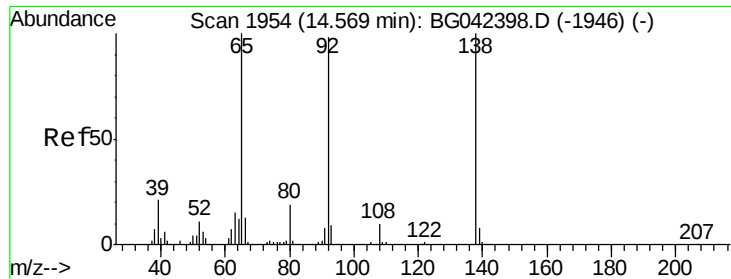
JAGRUT
 8/27/2019 7:51:44 AM



#52
 Acenaphthene
 Concen: 46.493 ng
 RT: 14.72 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion:	154	Resp:	205104
Ion Ratio	Lower	Upper	
154	100		
153	117.6	90.2	135.4
152	53.8	43.2	64.8





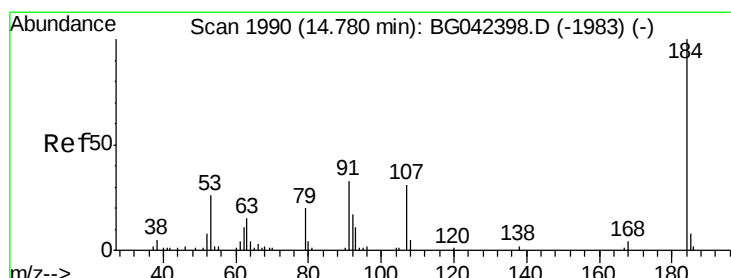
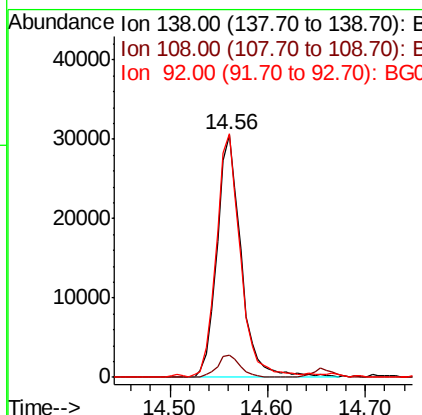
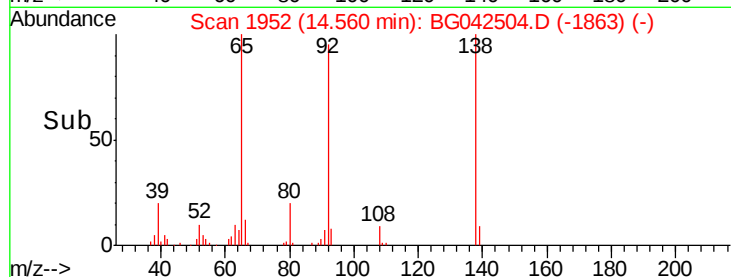
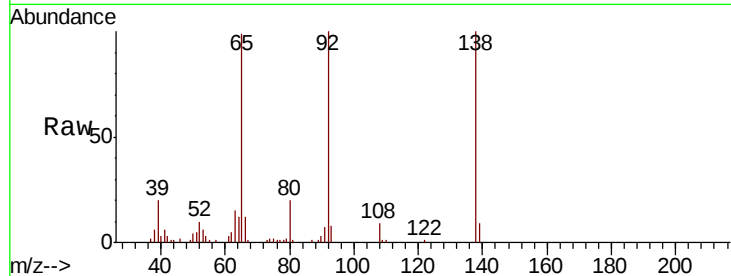
#53
3-Nitroaniline
Concen: 36.141 ng
RT: 14.56 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.2	8.3	12.5
92	100.3	78.2	117.4

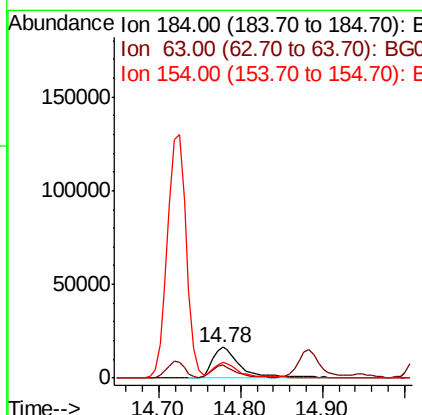
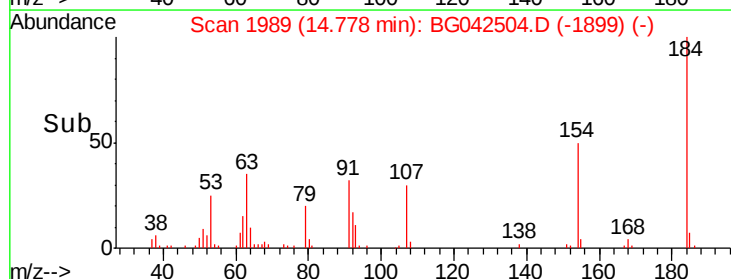
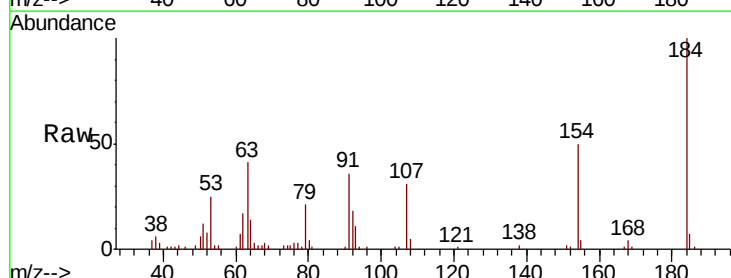
Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#54
2,4-Dinitrophenol
Concen: 43.586 ng
RT: 14.78 min Scan# 1989
Delta R.T. -0.00 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
184	100		
63	40.9	31.7	47.5
154	50.3	42.0	63.0





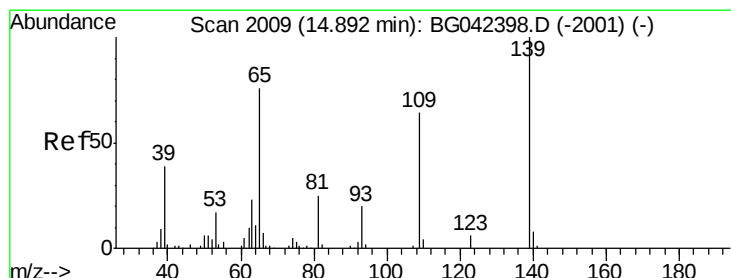
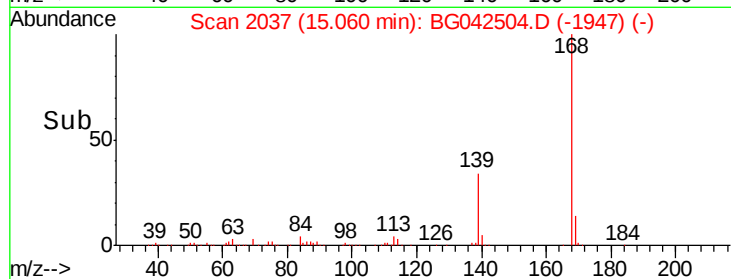
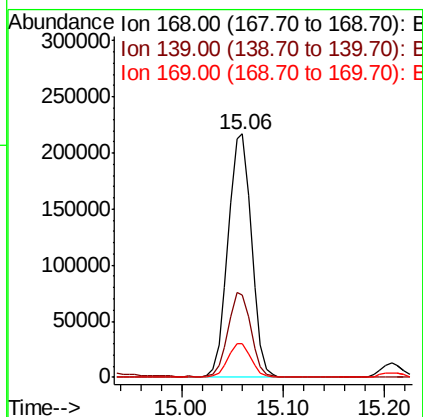
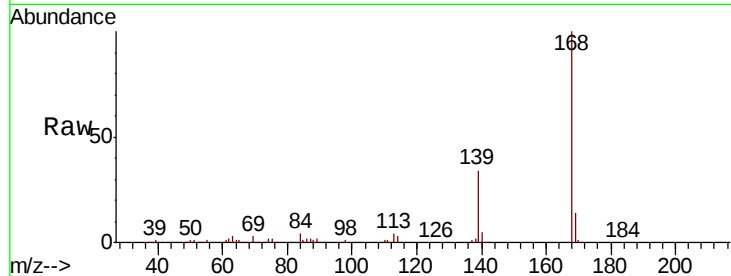
#55
Dibenzenofuran
Concen: 47.722 ng
RT: 15.06 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.1	27.2	40.8
169	14.1	11.5	17.3

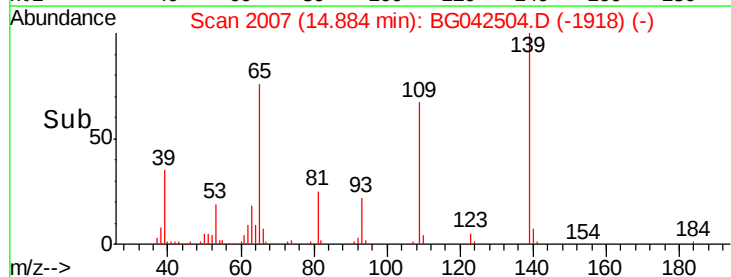
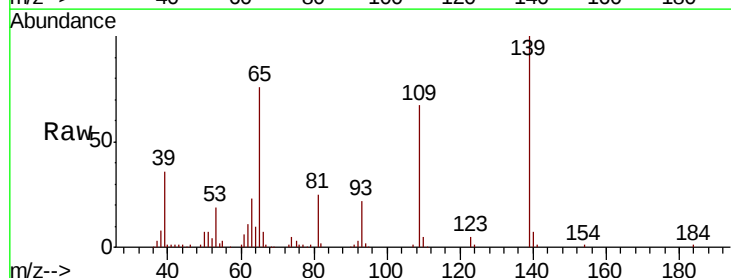
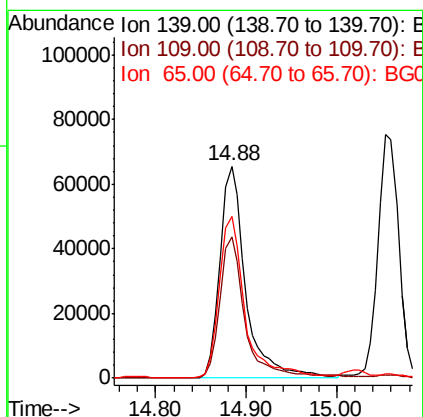
Manual Integrations
APPROVED

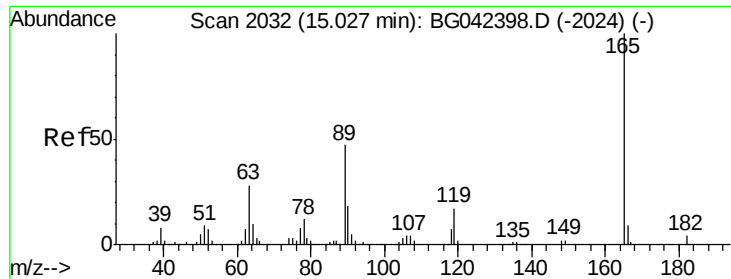
JAGRUT
8/27/2019 7:51:44 AM



#56
4-Nitrophenol
Concen: 125.859 ng
RT: 14.88 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
139	100		
109	66.8	43.9	83.9
65	76.2	56.3	96.3





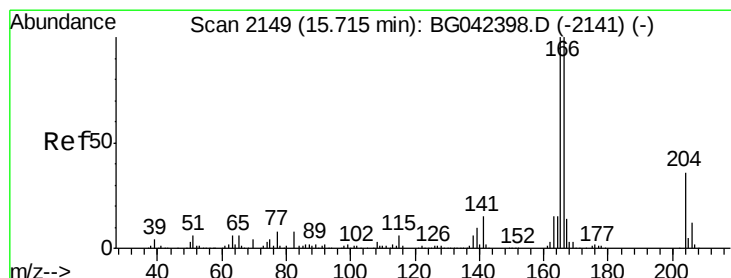
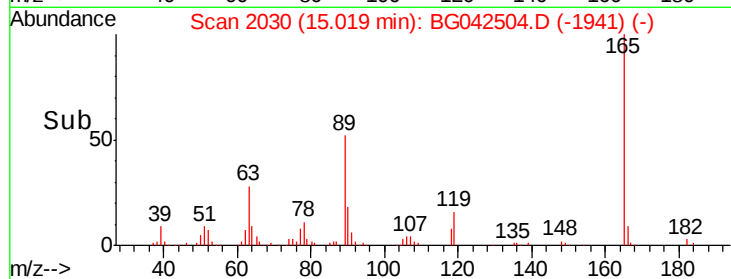
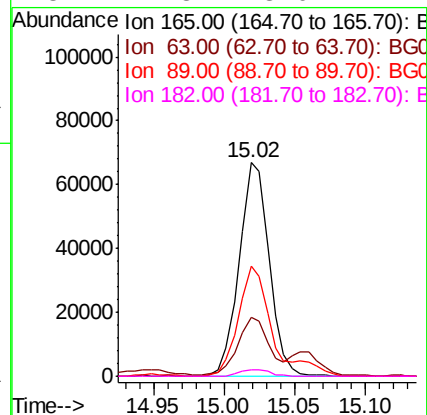
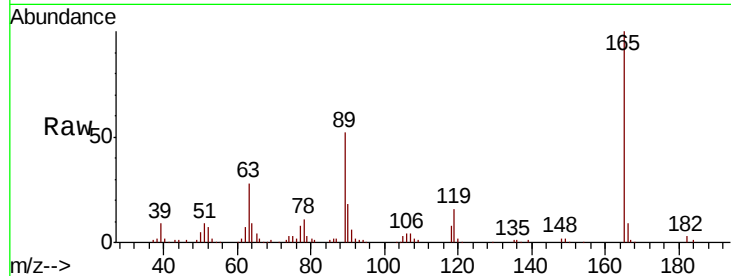
#57
 2,4-Dinitrotoluene
 Concen: 47.624 ng
 RT: 15.02 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	27.7	22.5	33.7
89	51.6	37.8	56.6
182	2.8	3.0	4.4

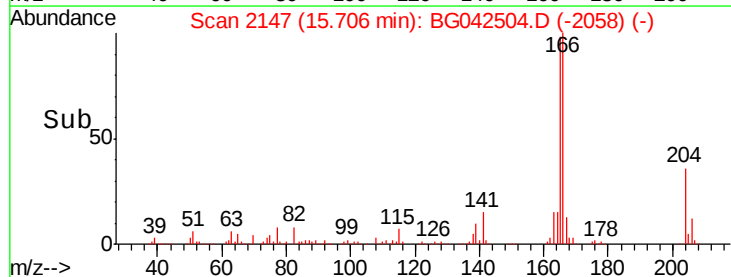
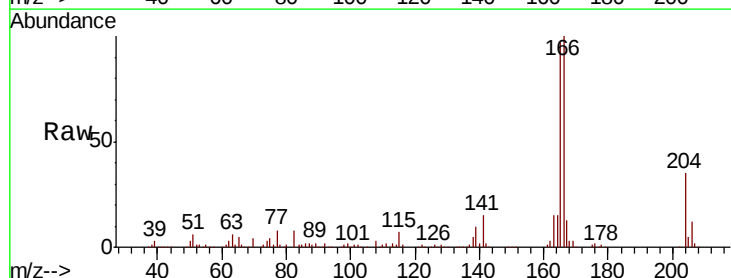
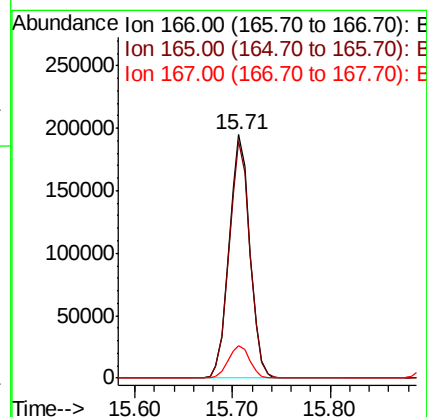
Manual Integrations
 APPROVED

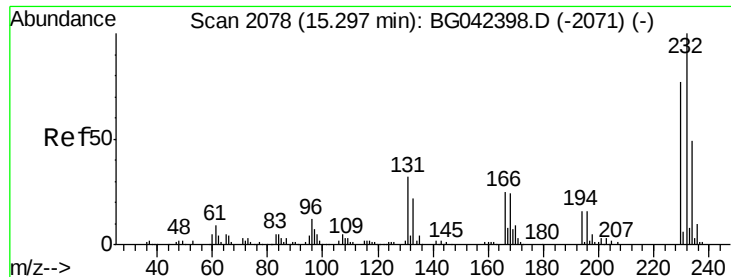
JAGRUT
 8/27/2019 7:51:44 AM



#58
 Fluorene
 Concen: 47.848 ng
 RT: 15.71 min Scan# 2147
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.3	79.7	119.5
167	13.3	10.9	16.3





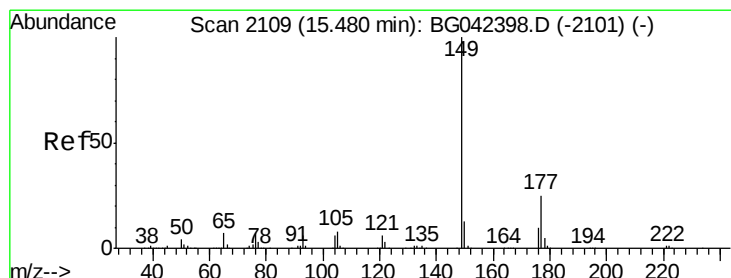
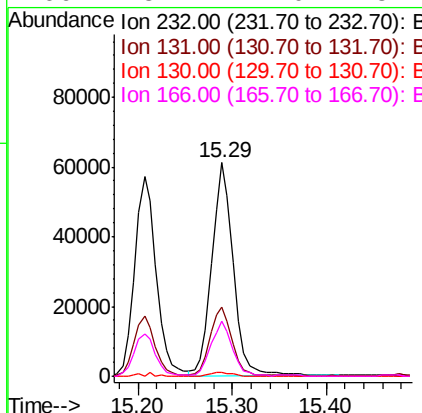
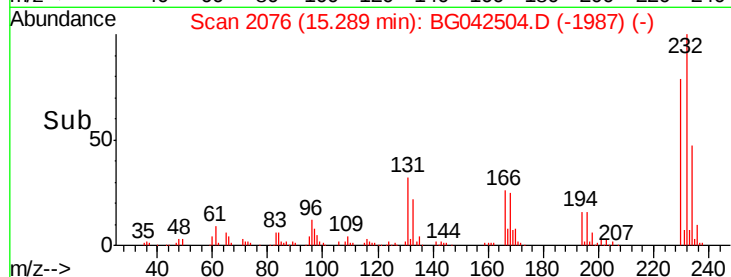
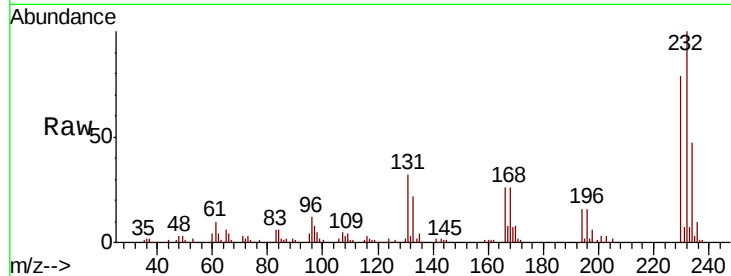
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 50.946 ng
 RT: 15.29 min Scan# 2076
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	32.2	22.9	34.3
130	1.8	1.4	2.0
166	25.1	17.0	25.4

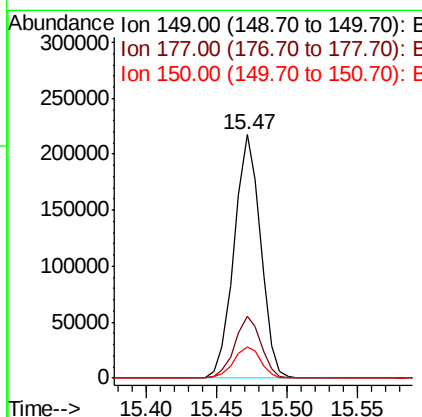
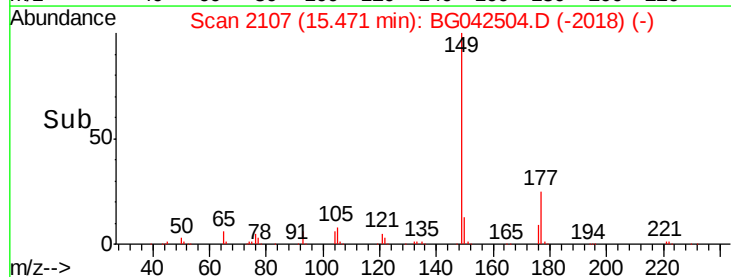
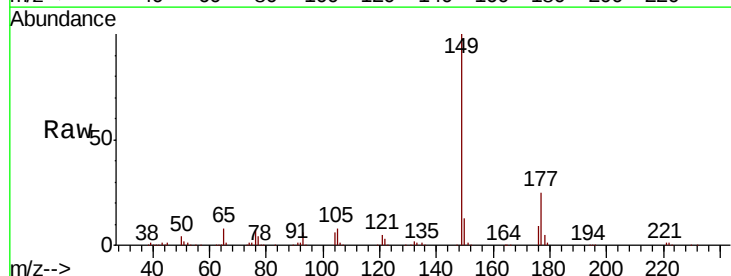
Manual Integrations
 APPROVED

JAGRUT
 8/27/2019 7:51:44 AM



#60
 Diethylphthalate
 Concen: 46.544 ng
 RT: 15.47 min Scan# 2107
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
149	100		
177	25.2	20.4	30.6
150	12.8	10.3	15.5





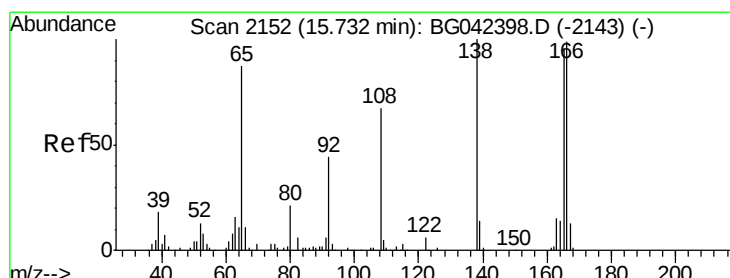
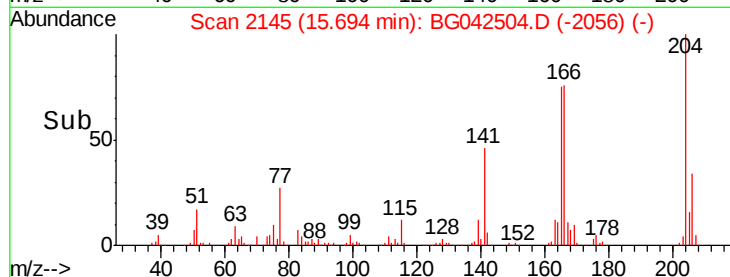
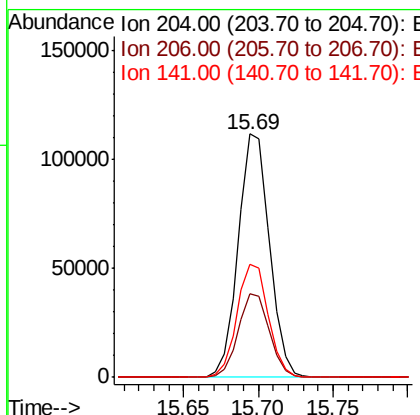
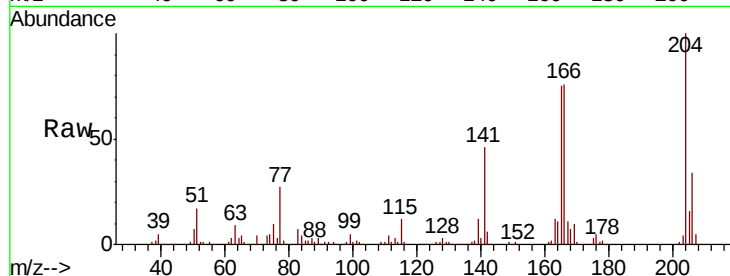
#61
 4-Chlorophenyl-phenylether
 Concen: 45.046 ng
 RT: 15.69 min Scan# 2145
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.3	27.2	40.8
141	46.5	38.7	58.1

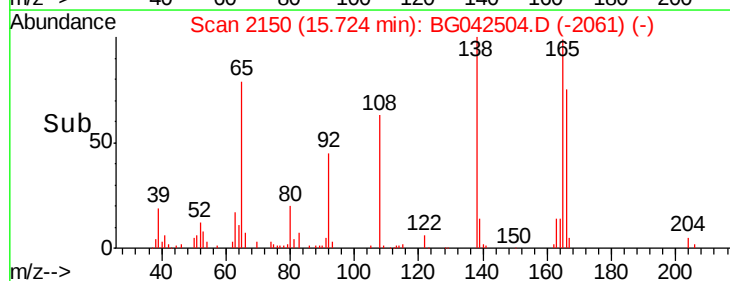
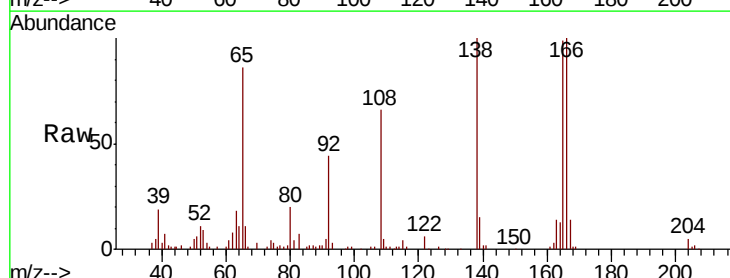
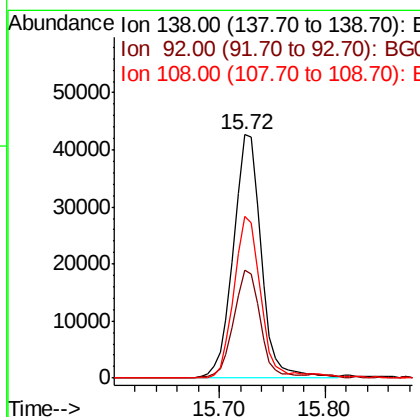
Manual Integrations
 APPROVED

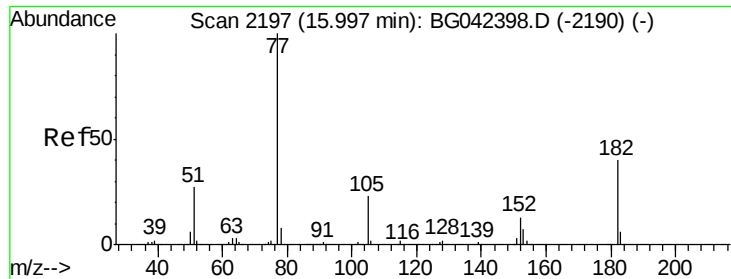
JAGRUT
 8/27/2019 7:51:44 AM



#62
 4-Nitroaniline
 Concen: 50.347 ng
 RT: 15.72 min Scan# 2150
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
138	100		
92	44.6	24.2	64.2
108	66.5	46.8	86.8





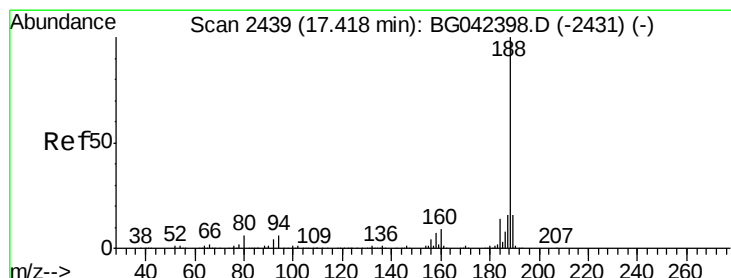
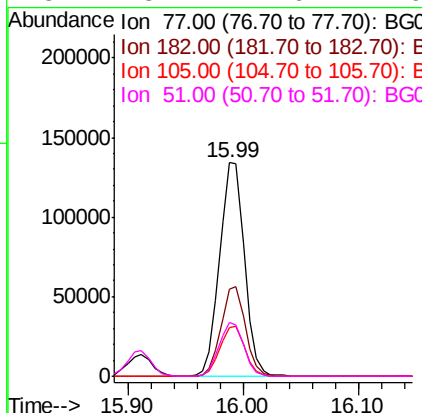
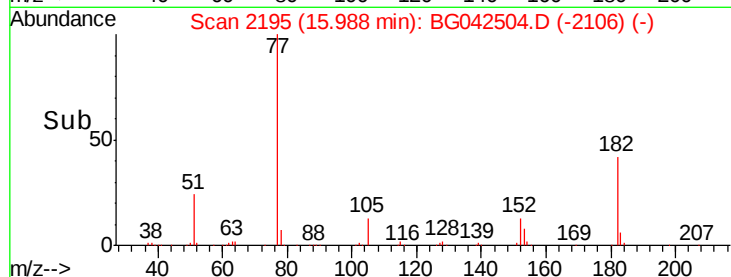
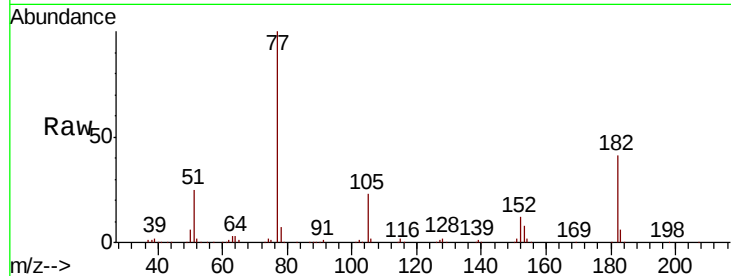
#63
Azobenzene
Concen: 47.852 ng
RT: 15.99 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	40.5	19.9	59.9	
105	23.1	2.9	42.9	
51	25.1	7.6	47.6	

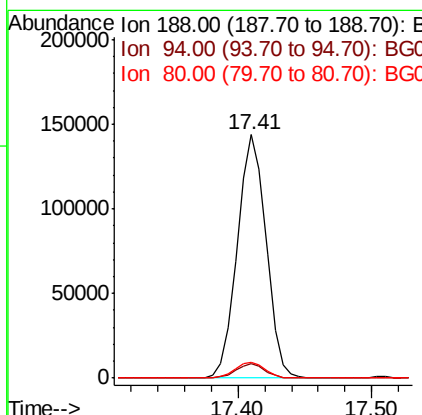
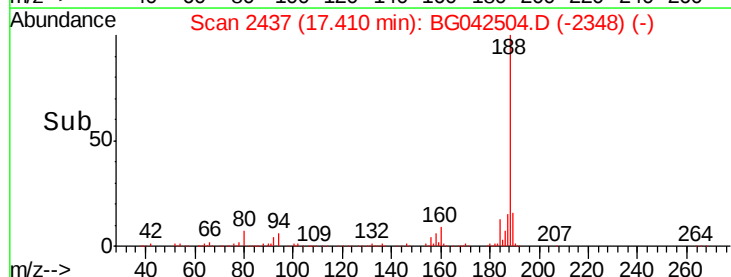
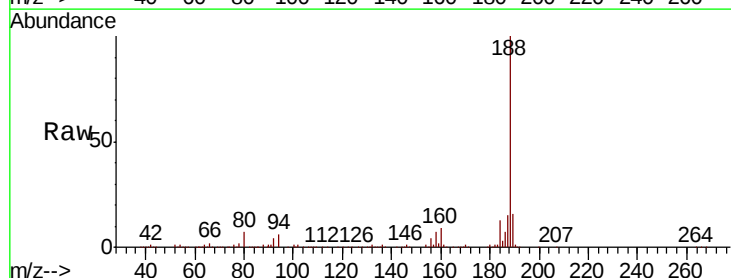
Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.41 min Scan# 2437
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	5.9	4.5	6.7	
80	6.6	4.9	7.3	





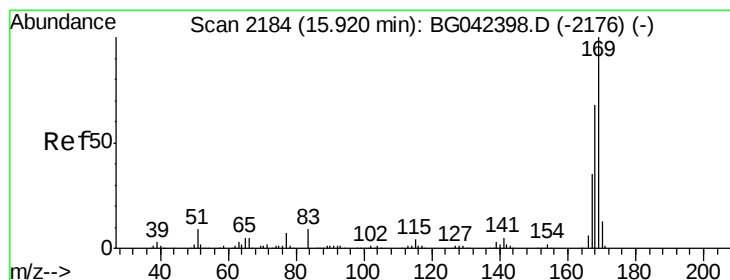
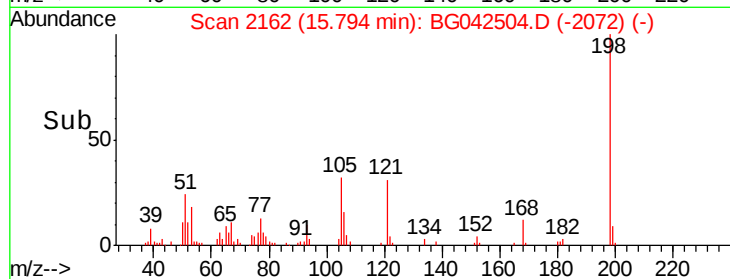
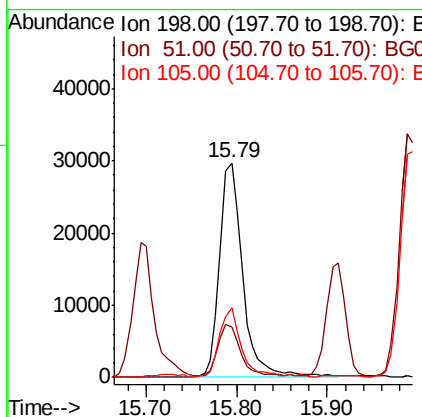
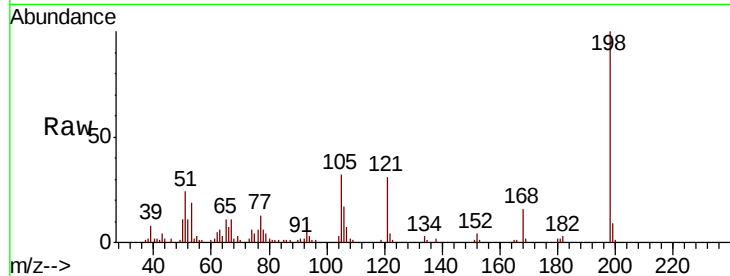
#65
4,6-Dinitro-2-methylphenol
Concen: 39.366 ng
RT: 15.79 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampled :
TP-1(1-3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	53012		
51	23.6		4.2	44.2
105	32.2		8.8	48.8

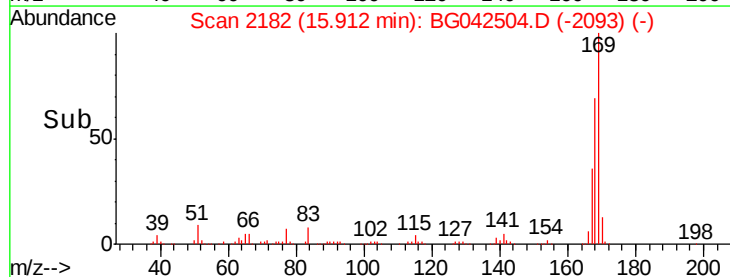
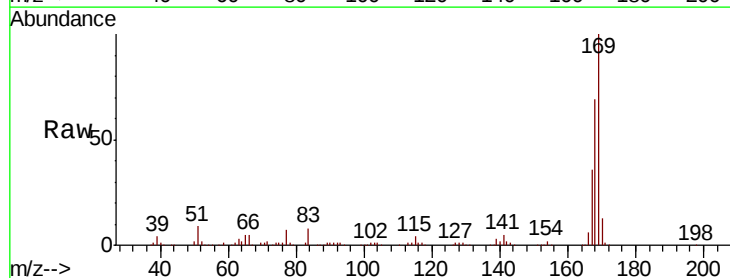
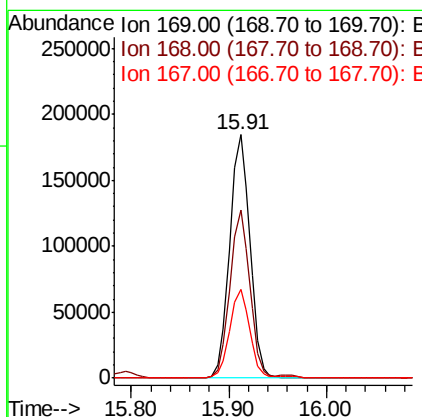
Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#66
n-Nitrosodiphenylamine
Concen: 45.032 ng
RT: 15.91 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	266000		
168	69.1		54.3	81.5
167	36.3		28.2	42.2





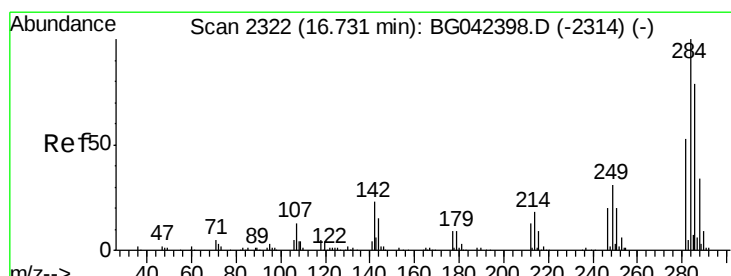
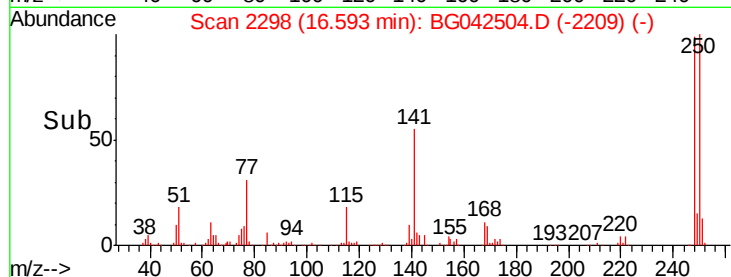
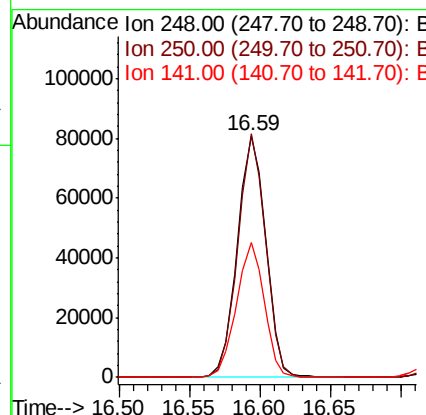
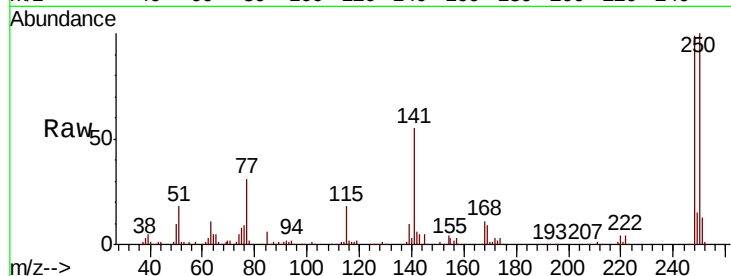
#67
 4-Bromophenyl-phenylether
 Concen: 41.774 ng
 RT: 16.59 min Scan# 2298
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-1(1-3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
248	100			
250	100.8	78.9	118.3	
141	55.6	43.3	64.9	

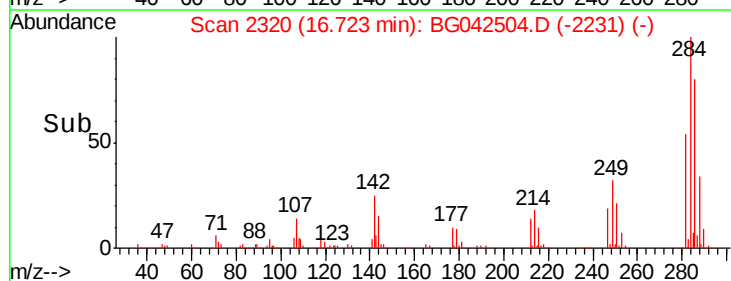
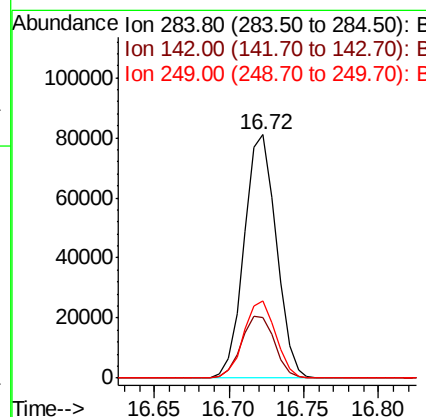
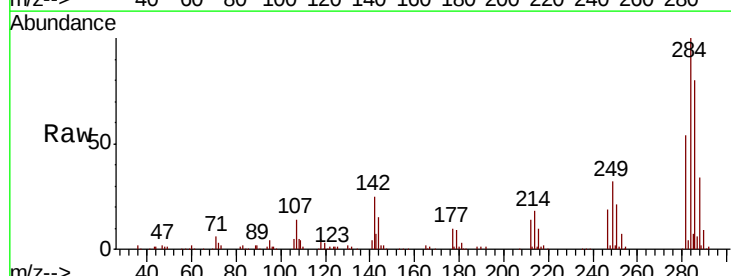
Manual Integrations
 APPROVED

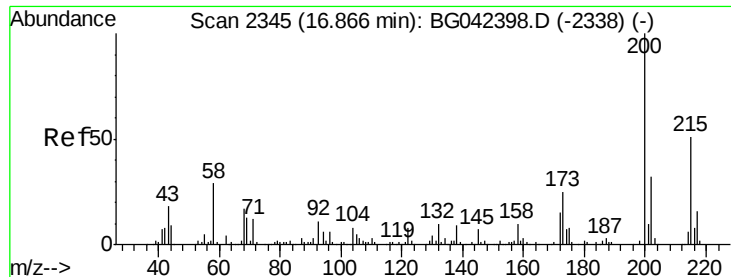
JAGRUT
 8/27/2019 7:51:44 AM



#68
 Hexachlorobenzene
 Concen: 40.792 ng
 RT: 16.72 min Scan# 2320
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
284	100			
142	24.9	18.2	27.4	
249	31.6	25.0	37.4	





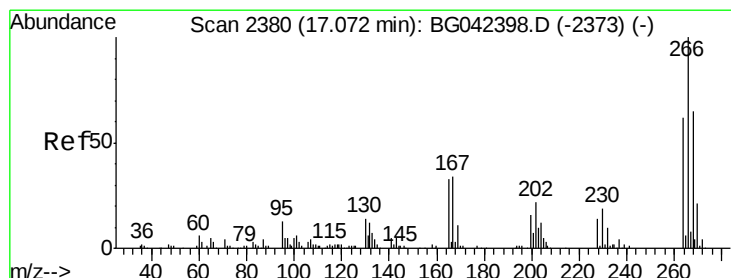
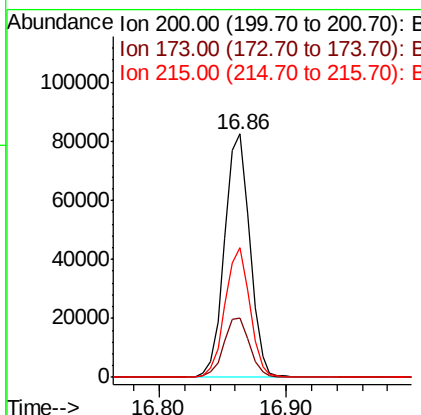
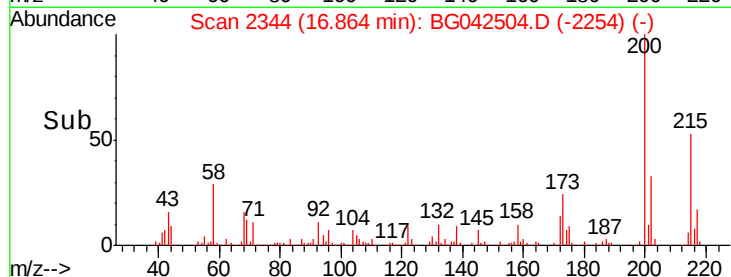
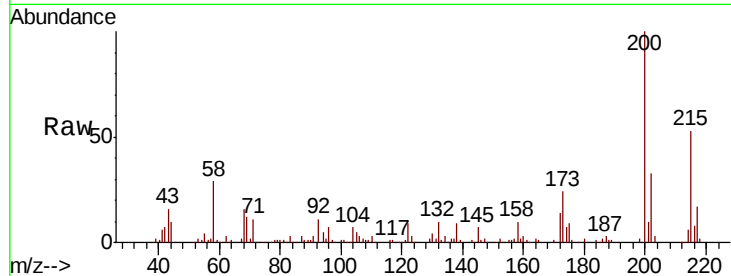
#69
 Atrazine
 Concen: 54.393 ng
 RT: 16.86 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampled :
 TP-1(1-3)MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	24.3	4.9	44.9
215	53.2	30.7	70.7

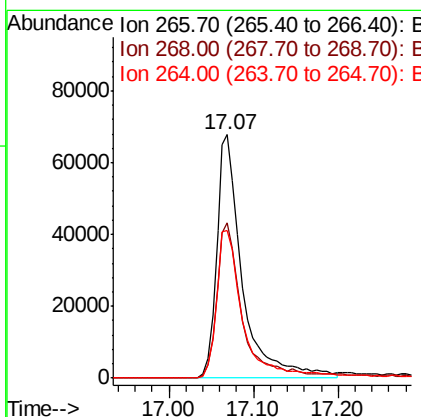
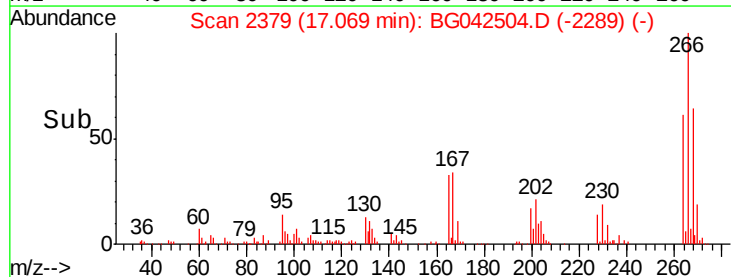
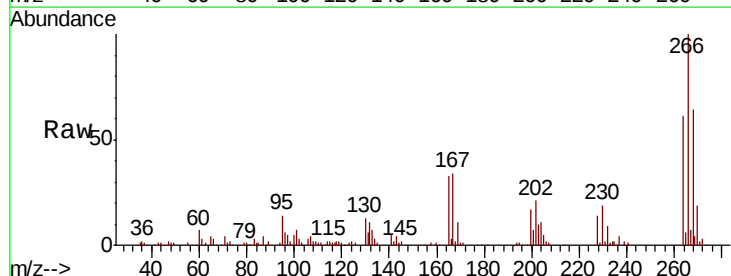
Manual Integrations
 APPROVED

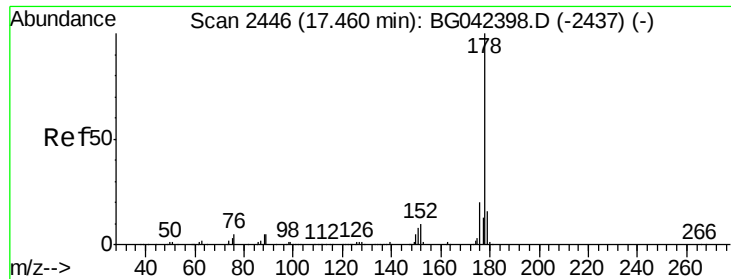
JAGRUT
 8/27/2019 7:51:44 AM



#70
 Pentachlorophenol
 Concen: 93.248 ng
 RT: 17.07 min Scan# 2379
 Delta R.T. -0.00 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	64.0	52.1	78.1
264	60.9	49.4	74.2





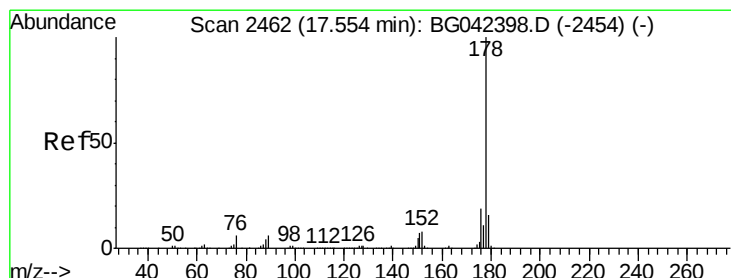
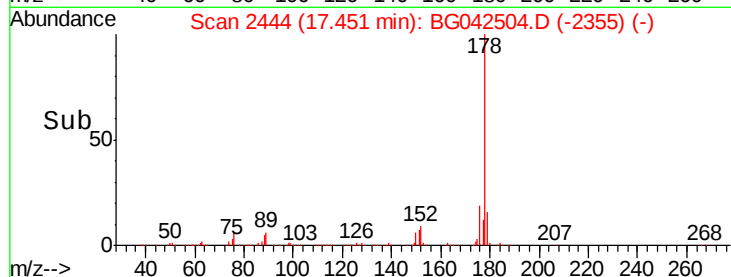
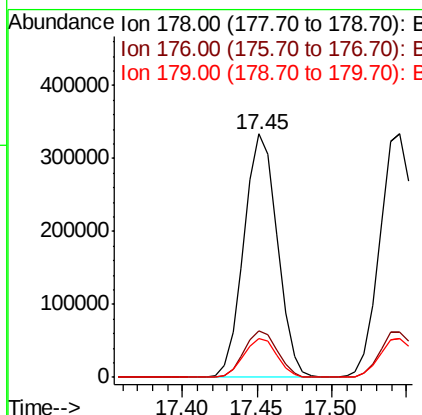
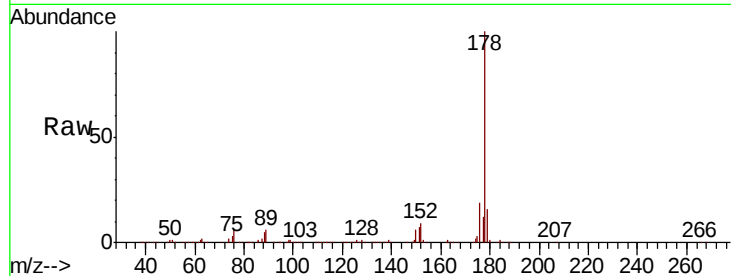
#71
Phenanthrene
Concen: 48.474 ng
RT: 17.45 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

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

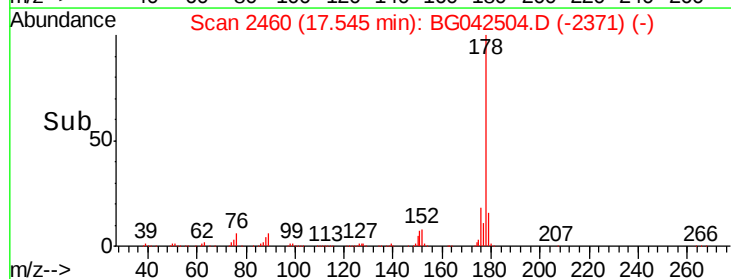
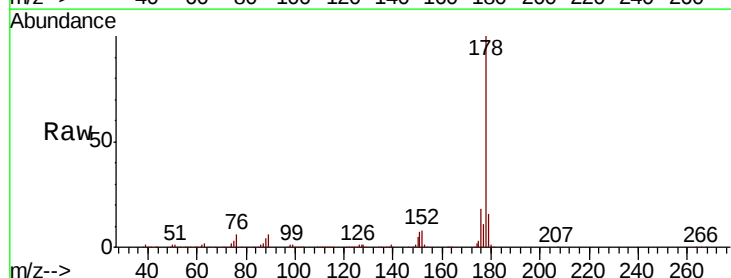
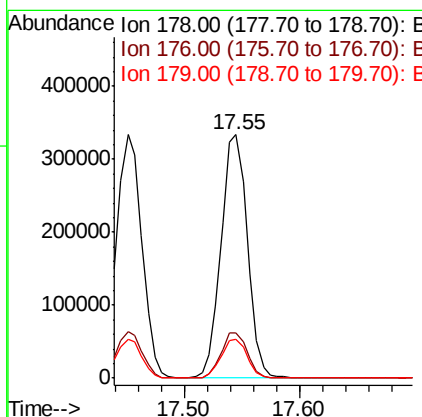
Manual Integrations
APPROVED

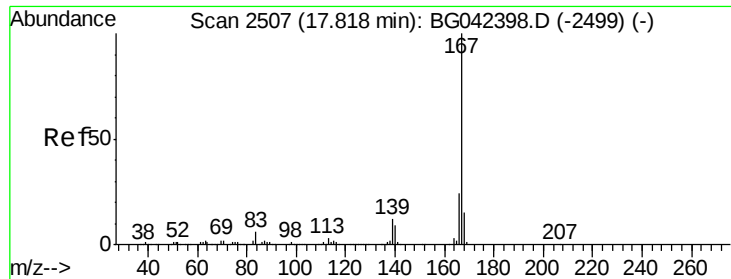
JAGRUT
8/27/2019 7:51:44 AM



#72
Anthracene
Concen: 49.540 ng
RT: 17.55 min Scan# 2460
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.5	23.3
179	16.0	12.9	19.3





#73

Carbazole

Concen: 53.691 ng

RT: 17.82 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

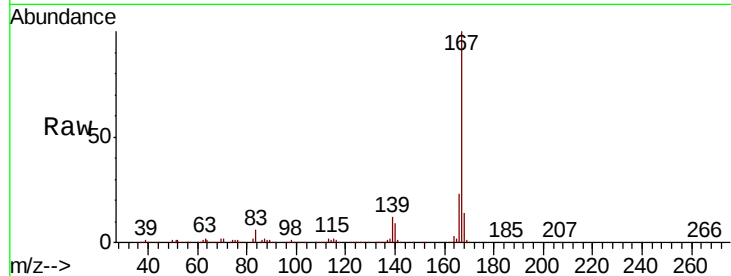
ClientSampleId :

TP-1(1-3)MSD

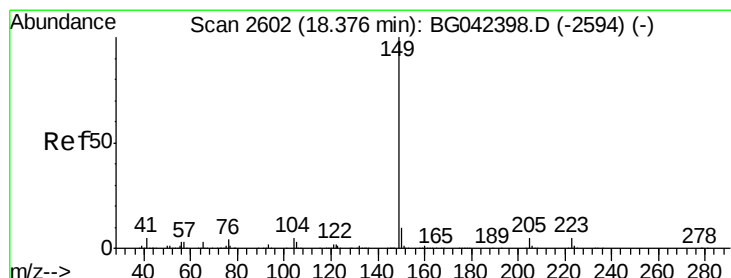
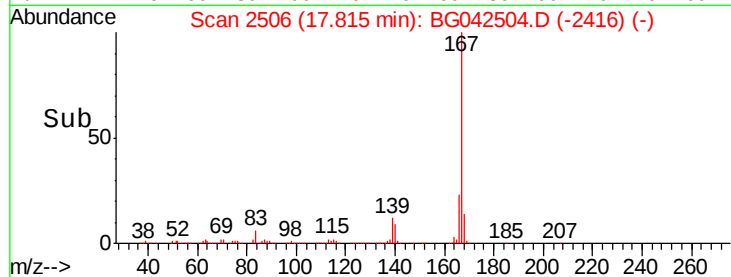
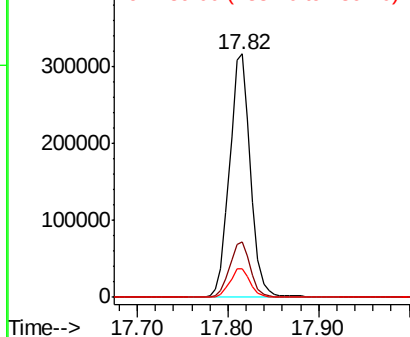
Tot Ion:	167	Resp:	509661
Ion Ratio	Lower	Upper	
167	100		
166	23.0	18.9	28.3
139	11.8	9.8	14.6

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



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



#74

Di-n-butylphthalate

Concen: 52.416 ng

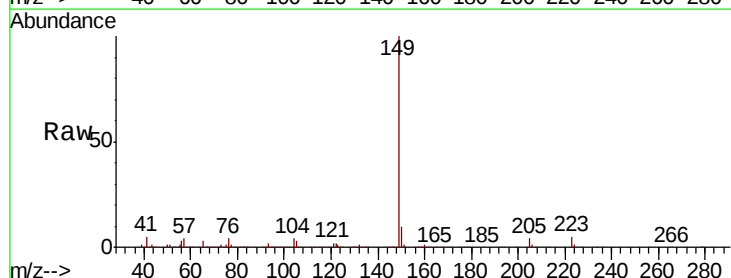
RT: 18.37 min Scan# 2600

Delta R.T. -0.01 min

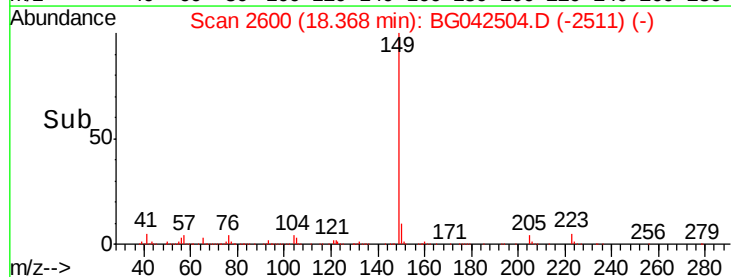
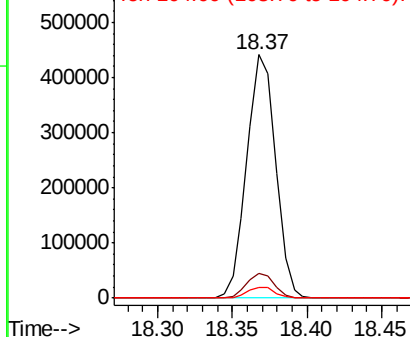
Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Tgt Ion:	149	Resp:	588158
Ion Ratio	Lower	Upper	
149	100		
150	10.1	8.1	12.1
104	4.3	3.7	5.5



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





#75

Fluoranthene

Concen: 59.482 ng

RT: 19.47 min Scan# 2787

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

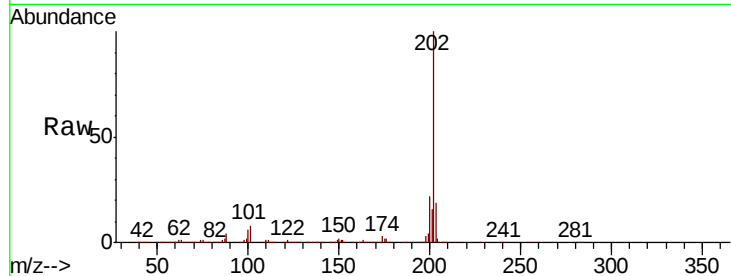
ClientSampleId :

TP-1(1-3)MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	774504		
101	7.5	0.0	28.3	
203	19.0	0.0	39.6	

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM

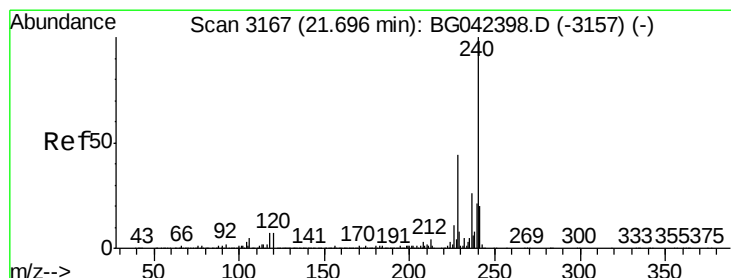
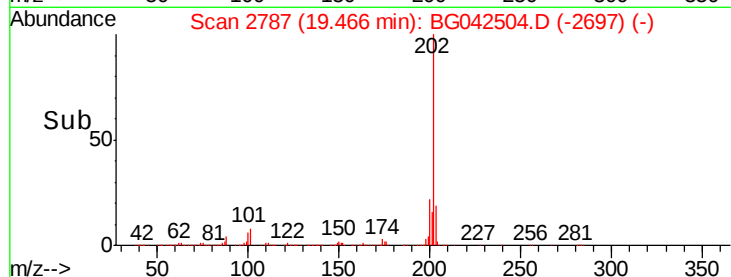
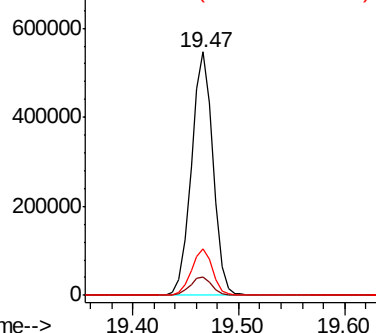


Abundance

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

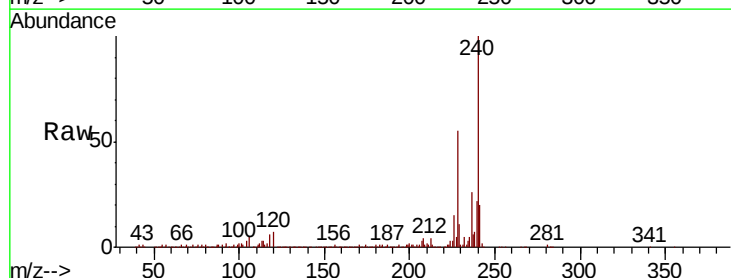
RT: 21.69 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	288623		
120	7.1	5.7	8.5	
236	26.0	21.0	31.4	

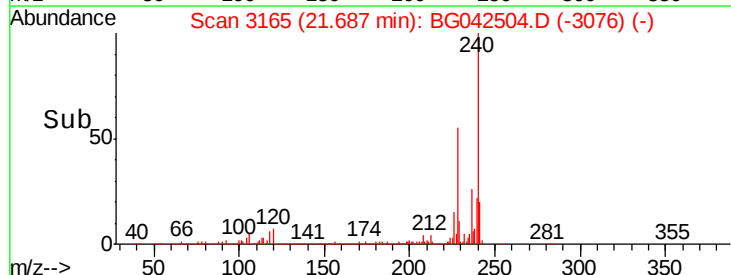
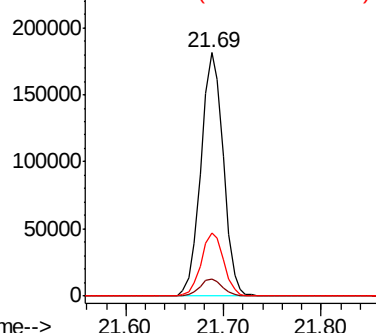


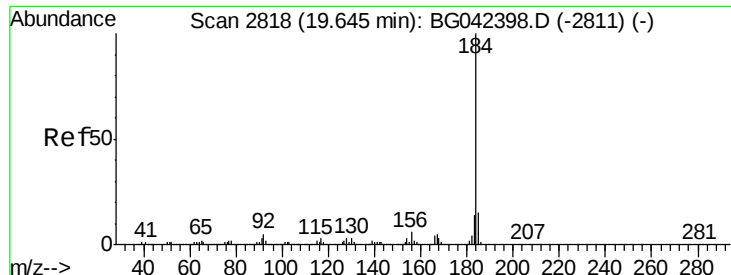
Abundance

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





#77

Benzidine

Concen: 49.579 ng

RT: 19.64 min Scan# 2817

Delta R.T. -0.00 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

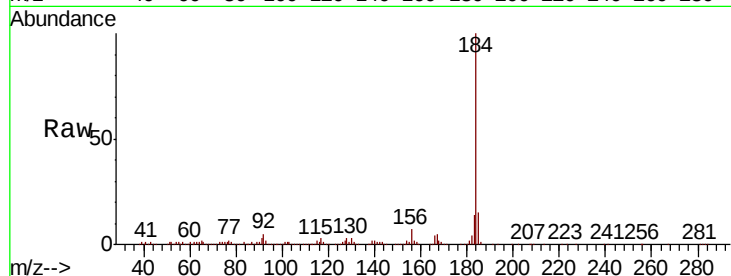
ClientSampleId :

TP-1(1-3)MSD

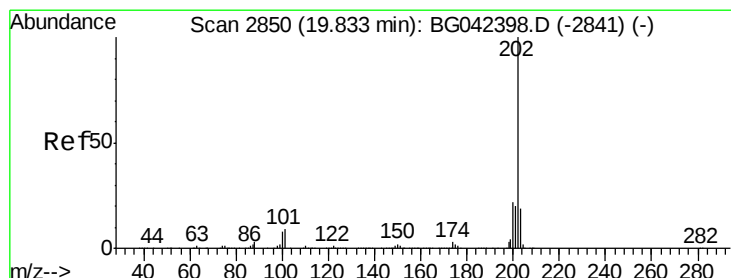
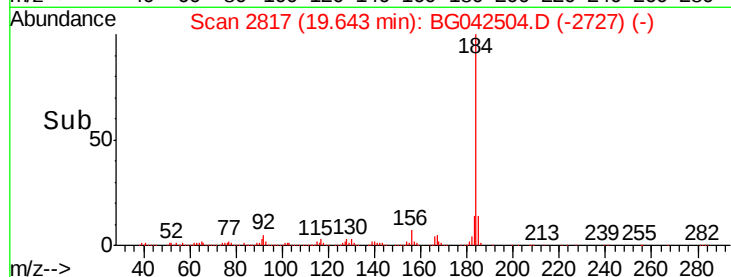
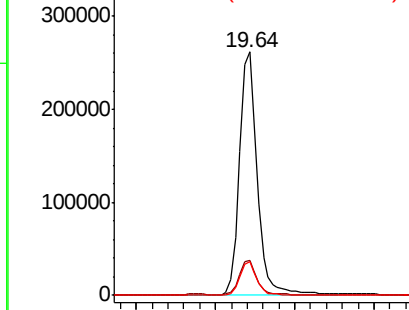
Tot Ion:	184	Resp:	410266
Ion Ratio	Lower	Upper	
184	100		
185	14.5	12.2	18.4
183	13.6	10.8	16.2

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.490 ng

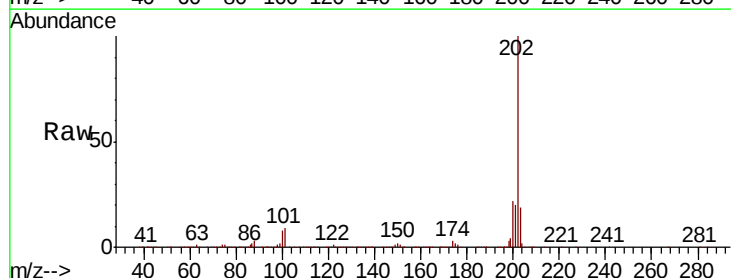
RT: 19.82 min Scan# 2848

Delta R.T. -0.01 min

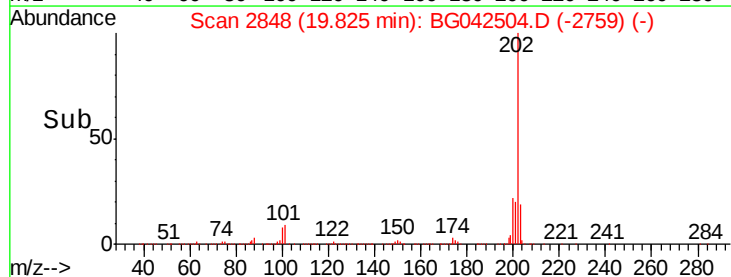
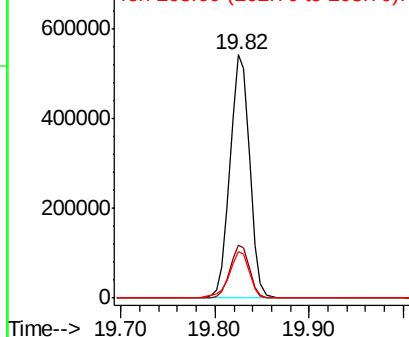
Lab File: BG042504.D

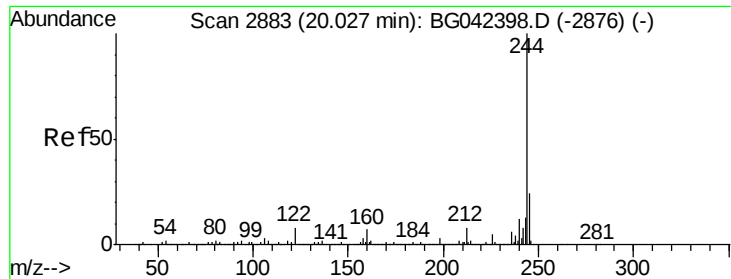
Acq: 26 Aug 2019 18:27

Tgt Ion:	202	Resp:	787257
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.8	26.6
203	19.1	15.5	23.3



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





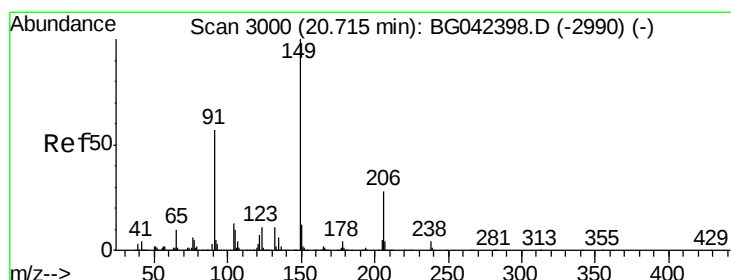
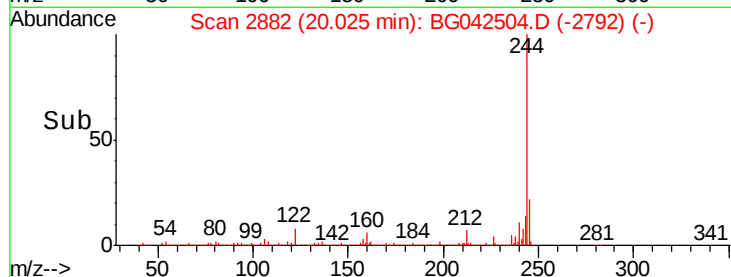
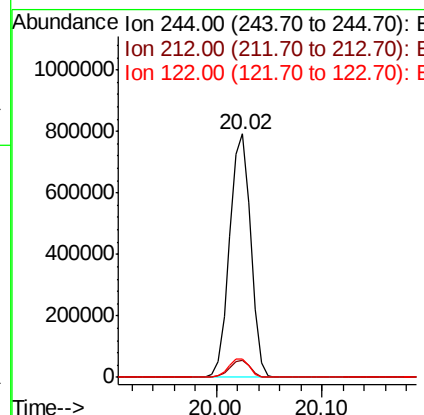
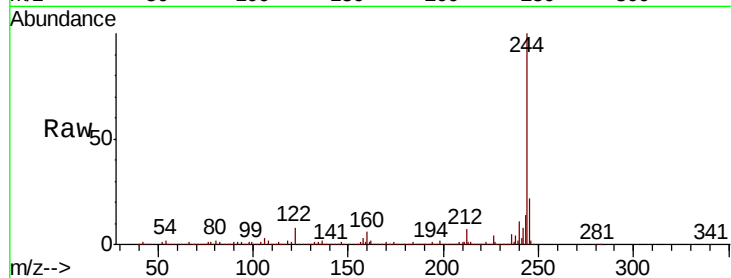
#79
 Terphenyl-d14
 Concen: 81.704 ng
 RT: 20.02 min Scan# 2882
 Delta R.T. -0.00 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Instrument :
 BNA_G
 ClientSampled :
 TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	7.5	6.7	10.1

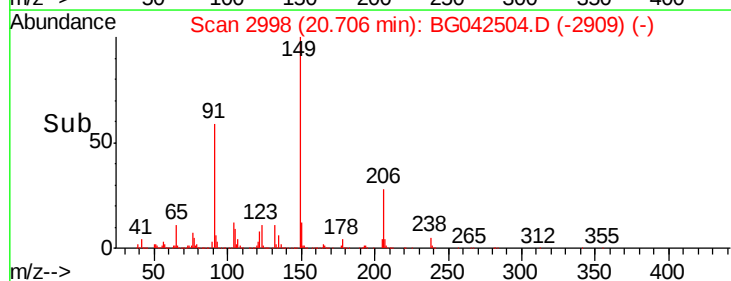
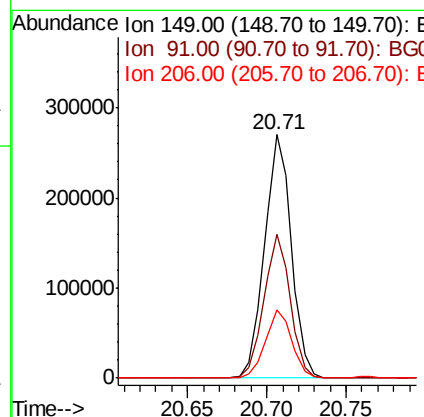
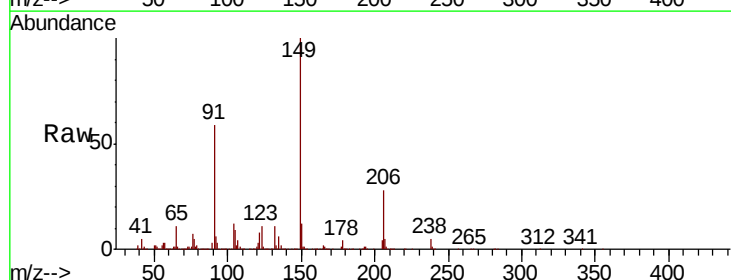
Manual Integrations
 APPROVED

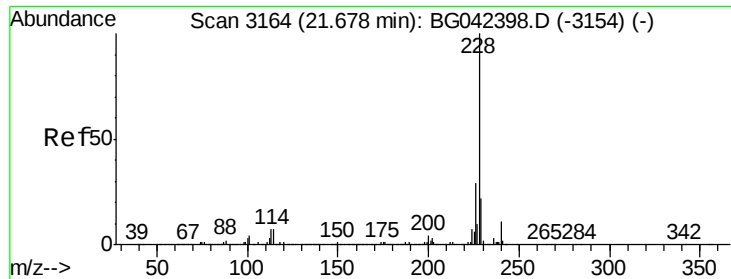
JAGRUT
 8/27/2019 7:51:44 AM



#80
 Butylbenzylphthalate
 Concen: 45.786 ng
 RT: 20.71 min Scan# 2998
 Delta R.T. -0.01 min
 Lab File: BG042504.D
 Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
149	100		
91	58.8	45.9	68.9
206	28.2	22.5	33.7





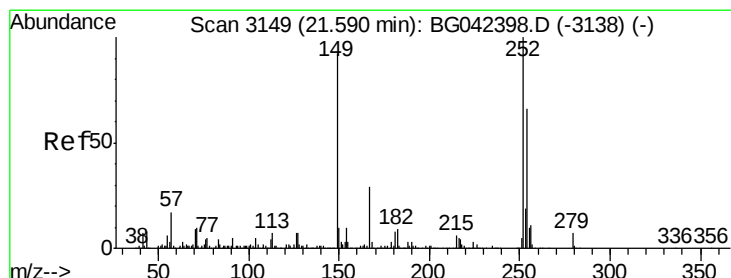
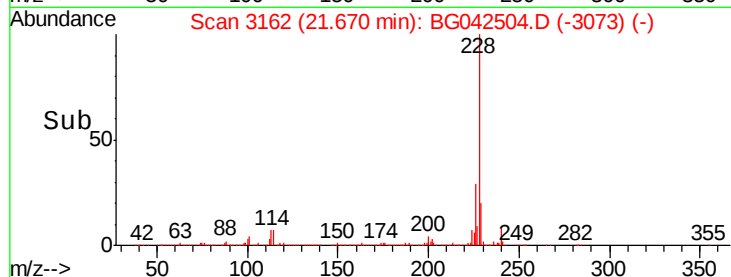
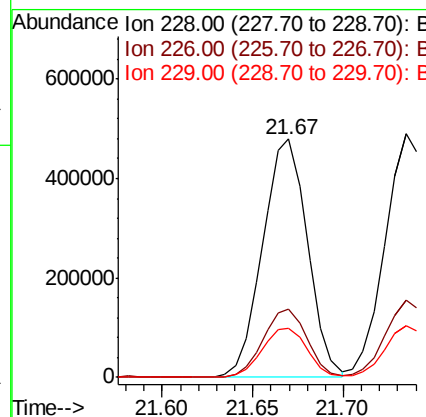
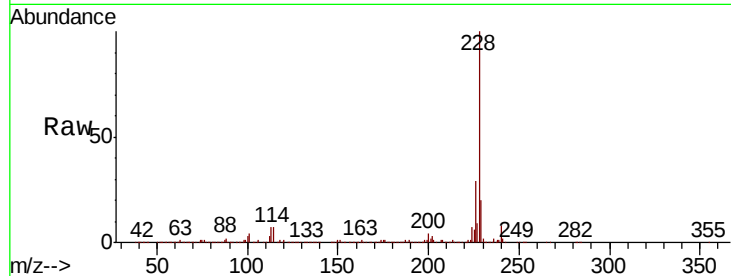
#81
Benzo(a)anthracene
Concen: 46.921 ng
RT: 21.67 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.4	35.2
229	20.4	17.4	26.2

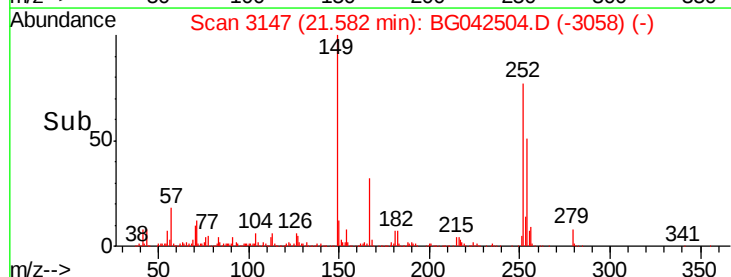
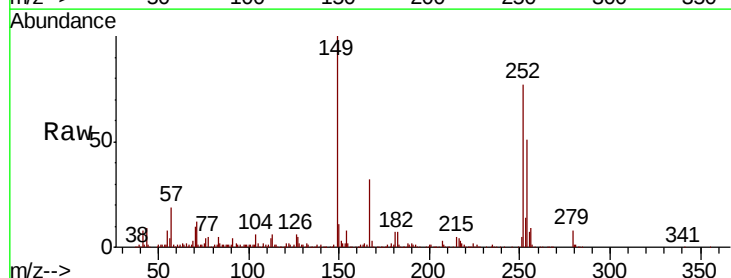
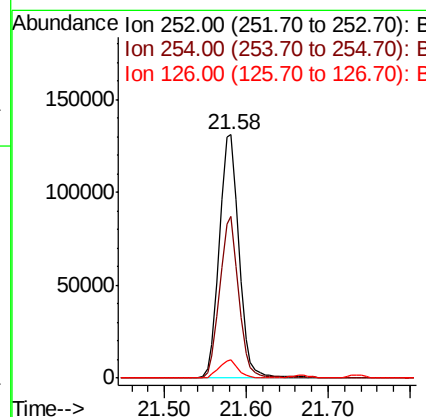
Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#82
3,3'-Dichlorobenzidine
Concen: 31.377 ng
RT: 21.58 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.3	53.0	79.4
126	7.6	5.7	8.5





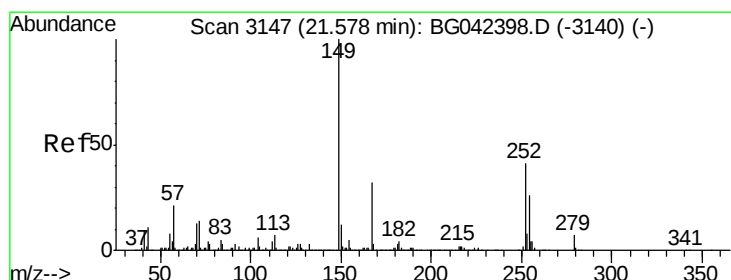
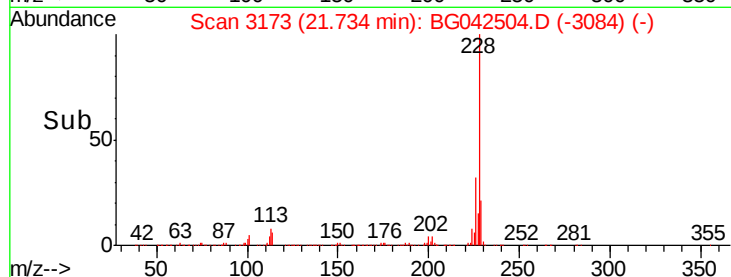
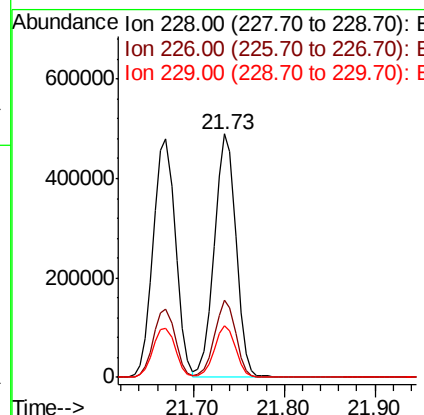
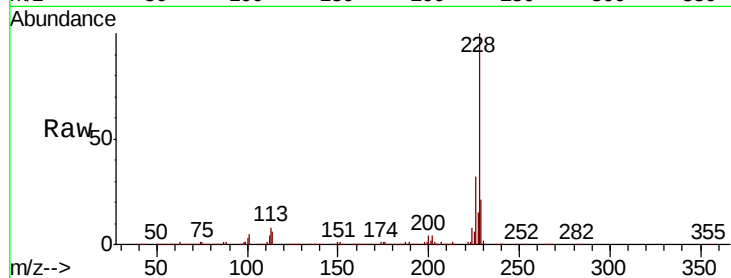
#83
Chrysene
Concen: 47.917 ng
RT: 21.73 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.9	37.3
229	21.4	16.9	25.3

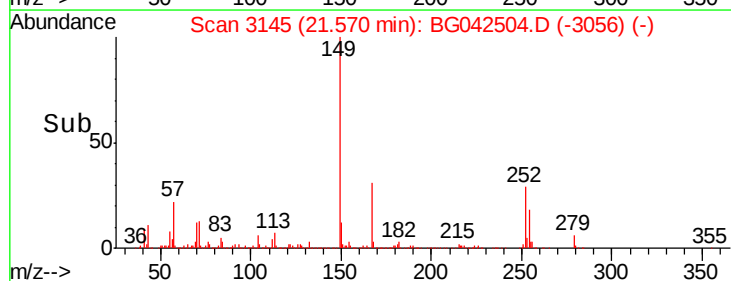
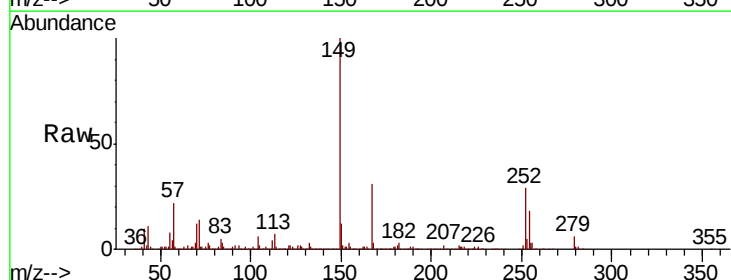
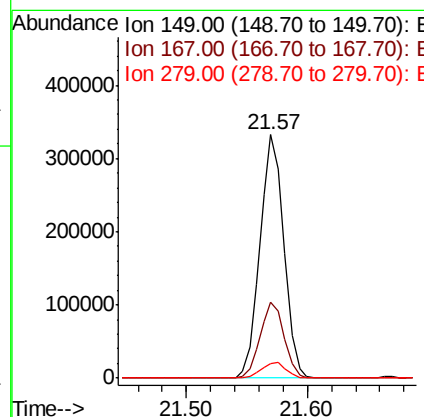
Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 47.393 ng
RT: 21.57 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
149	100		
167	31.3	26.0	39.0
279	6.2	5.4	8.0





#85

Di-n-octyl phthalate

Concen: 48.406 ng

RT: 22.79 min Scan# 3352

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

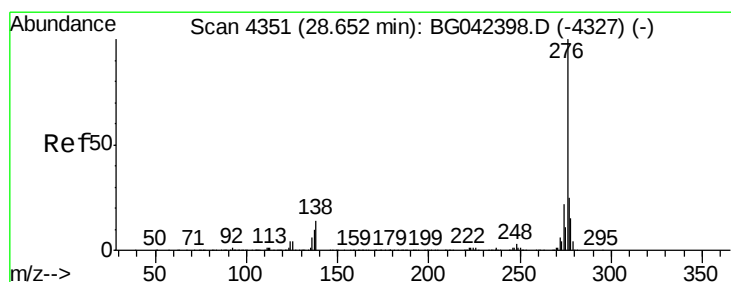
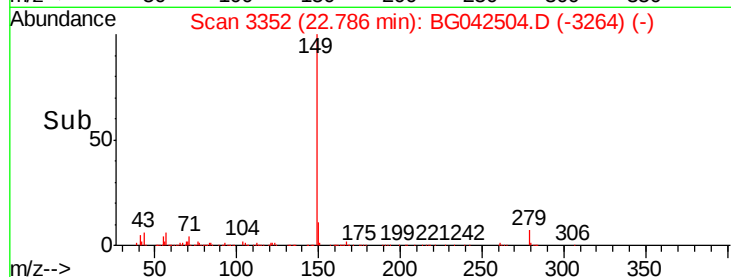
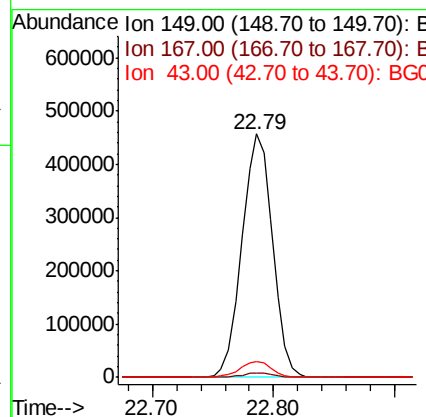
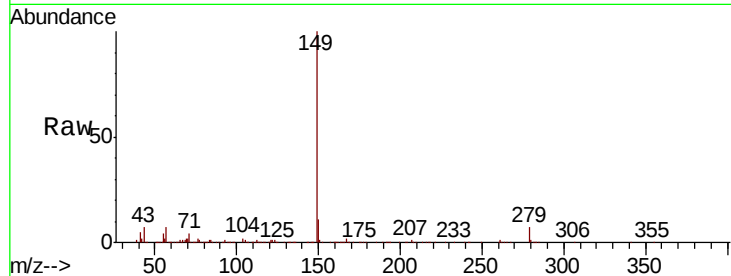
ClientSampleId :

TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.6	2.4
43	6.4	5.3	7.9

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#86

Indeno(1,2,3-cd)pyrene

Concen: 46.933 ng

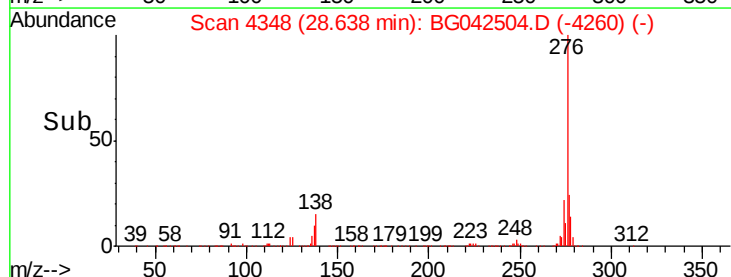
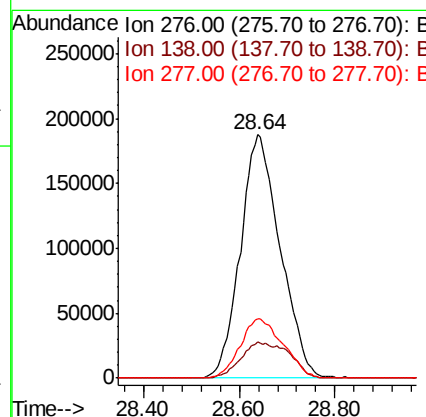
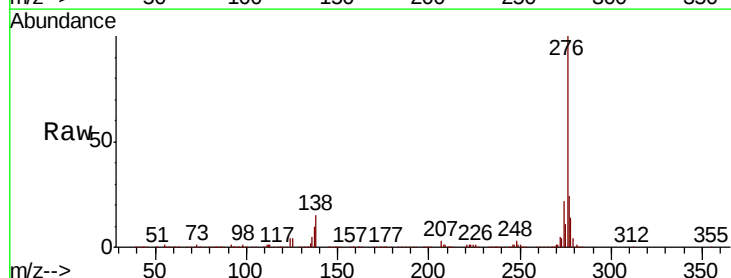
RT: 28.64 min Scan# 4348

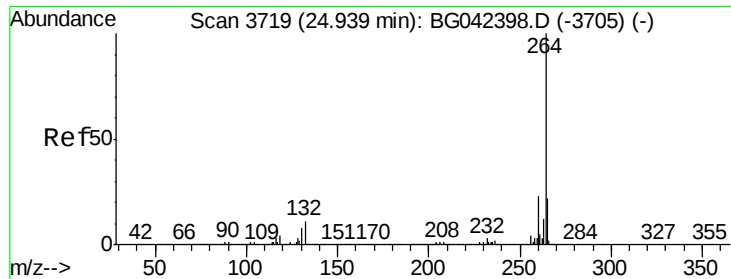
Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.1	9.2	13.8#
277	26.3	21.0	31.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Instrument :

BNA_G

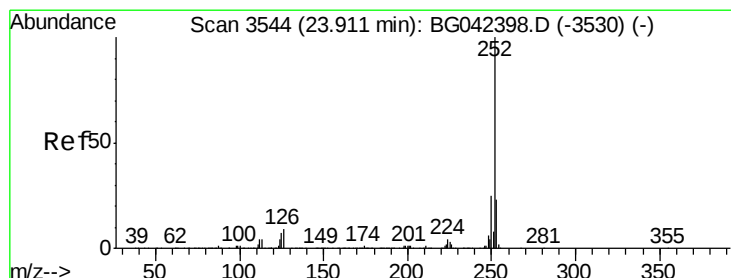
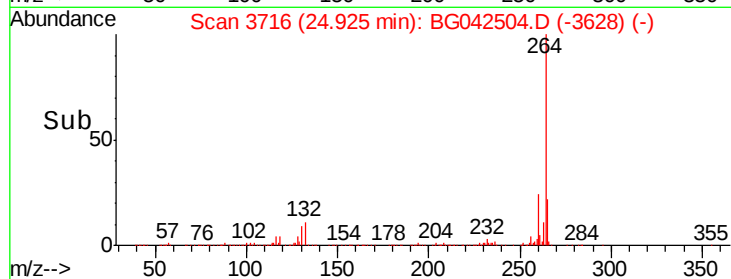
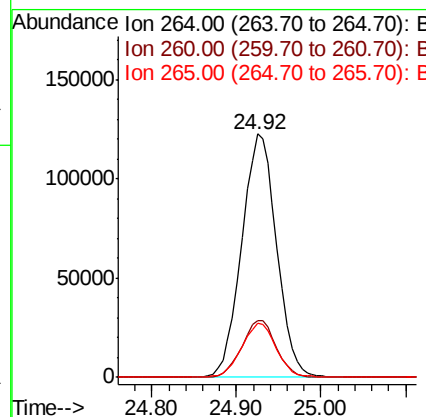
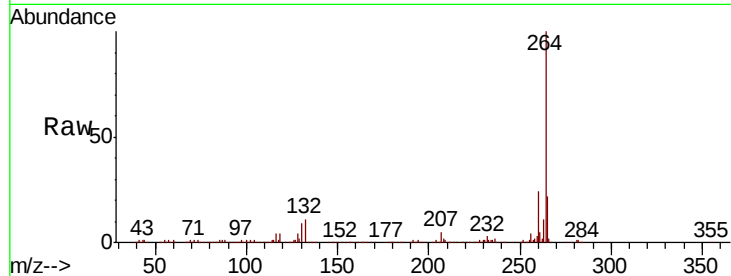
ClientSampleId :

TP-1(1-3)MSD

Tot Ion:	264	Resp:	350528
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.5	27.7
265	22.1	17.6	26.4

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#88

Benzo(b)fluoranthene

Concen: 47.091 ng

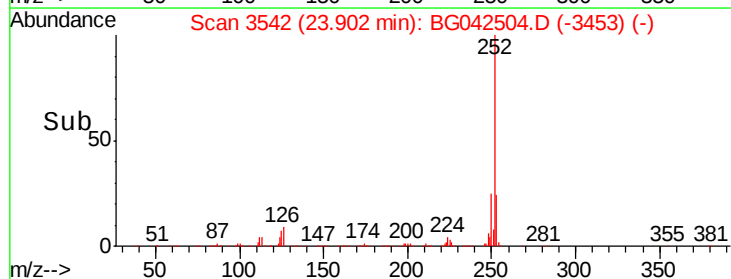
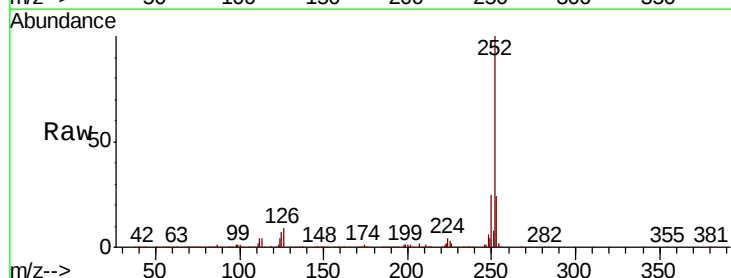
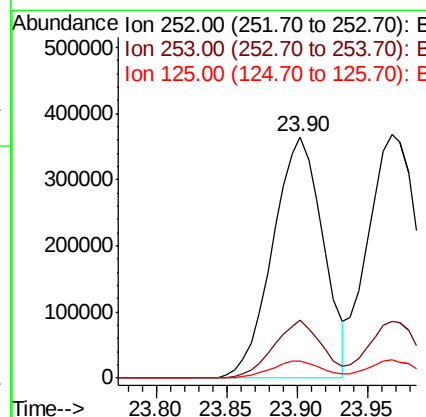
RT: 23.90 min Scan# 3542

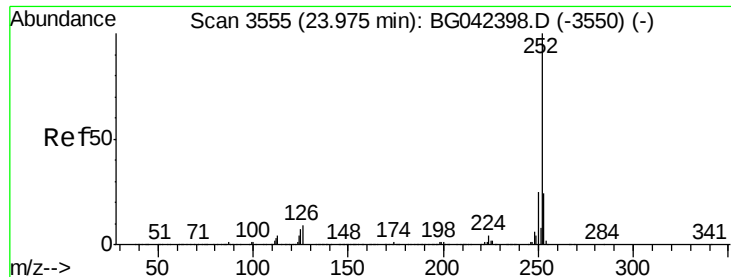
Delta R.T. -0.01 min

Lab File: BG042504.D

Acq: 26 Aug 2019 18:27

Tgt Ion:	252	Resp:	907477
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.6	27.8
125	6.9	5.6	8.4





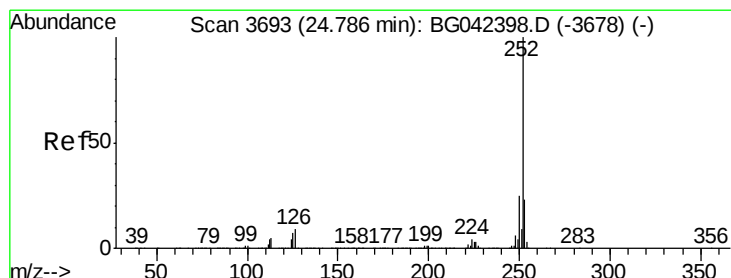
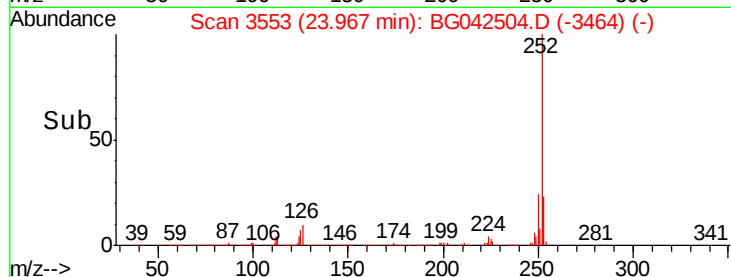
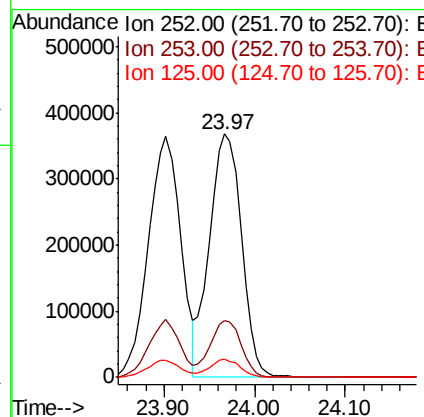
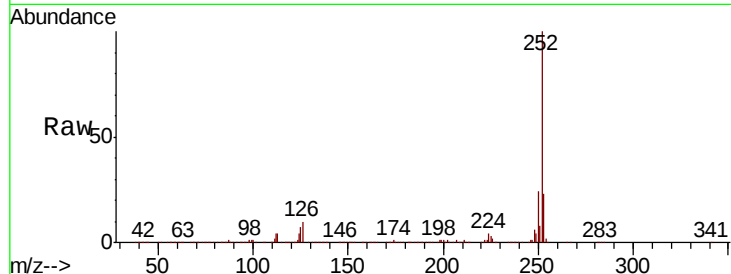
#89
Benzo(k)fluoranthene
Concen: 48.910 ng
RT: 23.97 min Scan# 3553
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	27.8
125	7.5	5.8	8.6

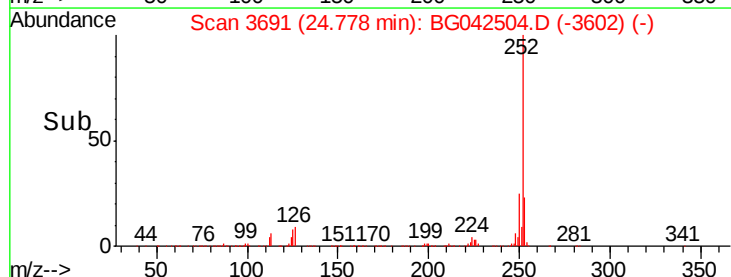
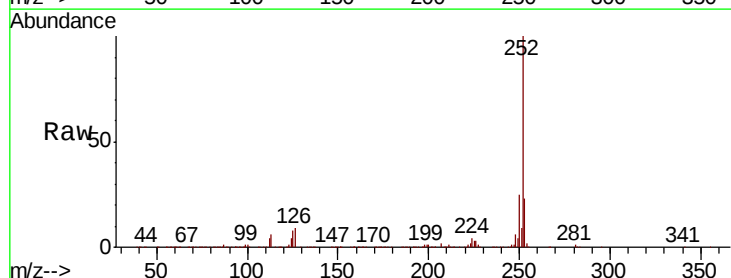
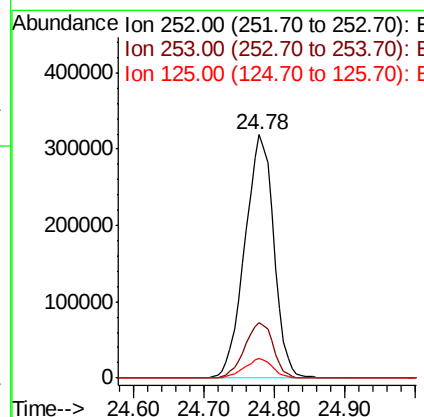
Manual Integrations
APPROVED

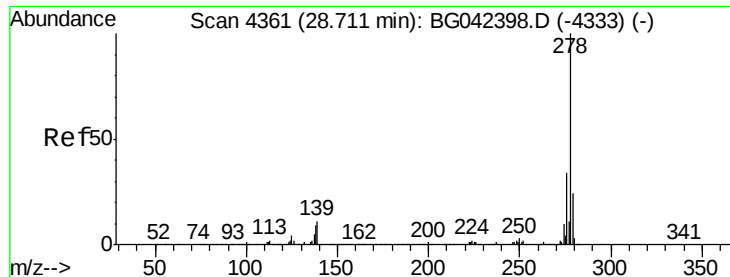
JAGRUT
8/27/2019 7:51:44 AM



#90
Benzo(a)pyrene
Concen: 49.764 ng
RT: 24.78 min Scan# 3691
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	8.0	6.0	9.0





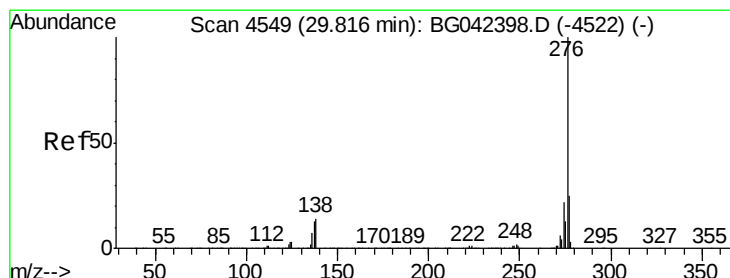
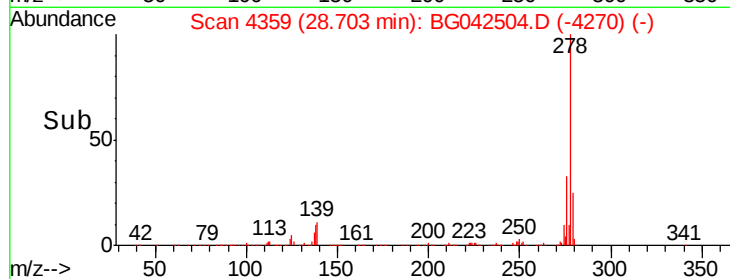
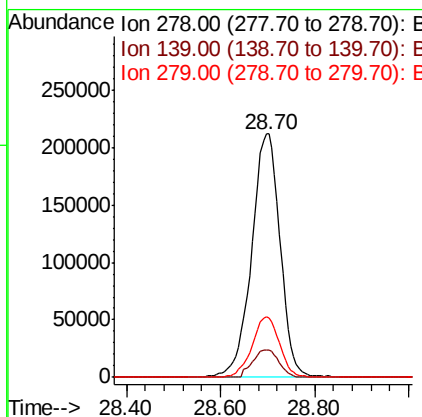
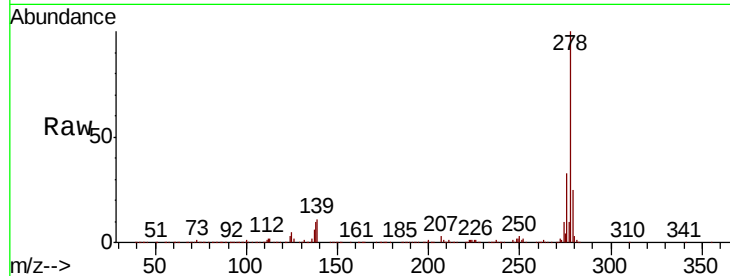
#91
Dibenzo(a,h)anthracene
Concen: 48.282 ng
RT: 28.70 min Scan# 4359
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Instrument :
BNA_G
ClientSampleId :
TP-1(1-3)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.0	8.8	13.2
279	24.6	19.1	28.7

Manual Integrations
APPROVED

JAGRUT
8/27/2019 7:51:44 AM



#92
Benzo(g,h,i)perylene
Concen: 49.507 ng
RT: 29.80 min Scan# 4546
Delta R.T. -0.01 min
Lab File: BG042504.D
Acq: 26 Aug 2019 18:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.8	29.8
138	15.5	11.4	17.0

