

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102919\
 Data File : BG043379.D
 Acq On : 29 Oct 2019 18:19
 Operator : JU
 Sample : K5564-11MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-1MS

Manual Integrations
 APPROVED

mohammad
 10/30/2019 4:54:30 PM

Quant Time: Oct 30 08:22:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	41422	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	162960	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	115185	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	262772	20.00	ng	0.00
76) Chrysene-d12	21.66	240	292419	20.00	ng	0.00
87) Perylene-d12	24.86	264	345090	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	266833	118.04	ng	0.00
7) Phenol-d6	7.21	99	371037	114.08	ng	0.00
23) Nitrobenzene-d5	9.19	82	231597	73.27	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	232544	106.09	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	601739	72.19	ng	0.00
79) Terphenyl-d14	20.00	244	1137752	72.99	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.49	88	29607	33.610	ng	97
3) Pyridine	3.89	79	75018	33.760	ng	99
4) n-Nitrosodimethylamine	3.80	42	46460	41.435	ng	93
6) Aniline	7.35	93	53897	14.386	ng	98
8) 2-Chlorophenol	7.60	128	105005	42.081	ng	99
9) Benzaldehyde	7.16	77	53896	33.721	ng	93
10) Phenol	7.24	94	132184	44.478	ng	98
11) bis(2-Chloroethyl)ether	7.44	93	83847	36.491	ng	99
12) 1,3-Dichlorobenzene	7.91	146	116162	37.155	ng	97
13) 1,4-Dichlorobenzene	8.06	146	119018	37.626	ng	96
14) 1,2-Dichlorobenzene	8.38	146	113458	36.736	ng	93
15) Benzyl Alcohol	8.27	79	90326	39.546	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.55	45	118367	35.428	ng	93
17) 2-Methylphenol	8.48	107	88250	40.733	ng	94
18) Hexachloroethane	9.10	117	41893	36.709	ng	98
19) n-Nitroso-di-n-propylamine	8.82	70	76448	36.377	ng	99
20) 3+4-Methylphenols	8.48	107	87844	29.569	ng	88
22) Acetophenone	8.85	105	148650	35.620	ng	100
24) Nitrobenzene	9.23	77	118183	39.249	ng	98
25) Isophorone	9.75	82	217040	37.556	ng	98
26) 2-Nitrophenol	9.94	139	60927	41.911	ng	97
27) 2,4-Dimethylphenol	10.01	122	97026	46.567	ng	96
28) bis(2-Chloroethoxy)methane	10.23	93	118508	37.155	ng	95
29) 2,4-Dichlorophenol	10.49	162	108370	40.594	ng	95
30) 1,2,4-Trichlorobenzene	10.69	180	124780	37.085	ng	98
31) Naphthalene	10.88	128	332284	40.171	ng	97
32) Benzoic acid	10.17	122	47701	33.379	ng	87
33) 4-Chloroaniline	11.00	127	22391	6.604	ng	# 92
34) Hexachlorobutadiene	11.17	225	89233	35.876	ng	94
35) Caprolactam	11.76	113	33771m	36.730	ng	
36) 4-Chloro-3-methylphenol	12.13	107	117164	40.235	ng	96
37) 2-Methylnaphthalene	12.48	142	248932	39.222	ng	97
38) 1-Methylnaphthalene	12.70	142	235434	38.987	ng	95
40) 1,2,4,5-Tetrachlorobenzene	12.85	216	159059	37.313	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.83	237	180660	80.677	ng	94
43) 2,4,6-Trichlorophenol	13.09	196	100713	40.118	ng	97
44) 2,4,5-Trichlorophenol	13.18	196	110658	43.601	ng	99
46) 1,1'-Biphenyl	13.48	154	329811	37.638	ng	99
47) 2-Chloronaphthalene	13.53	162	252835	37.922	ng	100
48) 2-Nitroaniline	13.73	65	75107	37.691	ng	99
49) Acenaphthylene	14.37	152	419499	40.427	ng	99
50) Dimethylphthalate	14.10	163	423020	47.414	ng	98
51) 2,6-Dinitrotoluene	14.22	165	76178	39.302	ng	97
52) Acenaphthene	14.72	154	249797	39.475	ng	97
53) 3-Nitroaniline	14.56	138	26383	14.098	ng	# 94
54) 2,4-Dinitrophenol	14.76	184	56072	49.393	ng	95
55) Dibenzofuran	15.05	168	408243	39.782	ng	99
56) 4-Nitrophenol	14.90	139	106966	85.296	ng	94
57) 2,4-Dinitrotoluene	15.02	165	107315	38.742	ng	97
58) Fluorene	15.70	166	335977	39.036	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.29	232	113097	41.942	ng	# 99
60) Diethylphthalate	15.46	149	331524	36.982	ng	97
61) 4-Chlorophenyl-phenylether	15.69	204	193467	38.532	ng	96
62) 4-Nitroaniline	15.73	138	59245	30.655	ng	94
63) Azobenzene	15.98	77	282349	38.917	ng	97
65) 4,6-Dinitro-2-methylphenol	15.78	198	50379	32.578	ng	91
66) n-Nitrosodiphenylamine	15.90	169	304424	41.034	ng	99
67) 4-Bromophenyl-phenylether	16.58	248	136344	38.555	ng	98
68) Hexachlorobenzene	16.71	284	156156	38.469	ng	98
69) Atrazine	16.85	200	128710	49.929	ng	95
70) Pentachlorophenol	17.05	266	168190	90.931	ng	96
71) Phenanthrene	17.44	178	553621	41.143	ng	100
72) Anthracene	17.53	178	560829	41.658	ng	100
73) Carbazole	17.80	167	491966	40.353	ng	100
74) Di-n-butylphthalate	18.35	149	584876	39.538	ng	99
75) Fluoranthene	19.45	202	734187	41.852	ng	99
77) Benzidine	19.63	184	219239	37.254	ng	99
78) Pyrene	19.80	202	731796	40.430	ng	99
80) Butylbenzylphthalate	20.69	149	315238	45.970	ng	97
81) Benzo(a)anthracene	21.64	228	755053	41.222	ng	100
82) 3,3'-Dichlorobenzidine	21.56	252	145662	20.560	ng	99
83) Chrysene	21.71	228	723432	39.751	ng	99
84) Bis(2-ethylhexyl)phthalate	21.54	149	386539	39.681	ng	99
85) Di-n-octyl phthalate	22.74	149	668810	40.469	ng	99
86) Indeno(1,2,3-cd)pyrene	28.51	276	952092	41.677	ng	99
88) Benzo(b)fluoranthene	23.85	252	790387	40.440	ng	99
89) Benzo(k)fluoranthene	23.91	252	799363	40.627	ng	98
90) Benzo(a)pyrene	24.71	252	742484	39.782	ng	98
91) Dibenzo(a,h)anthracene	28.56	278	791039	41.436	ng	99
92) Benzo(g,h,i)perylene	29.64	276	805851	42.794	ng	98

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

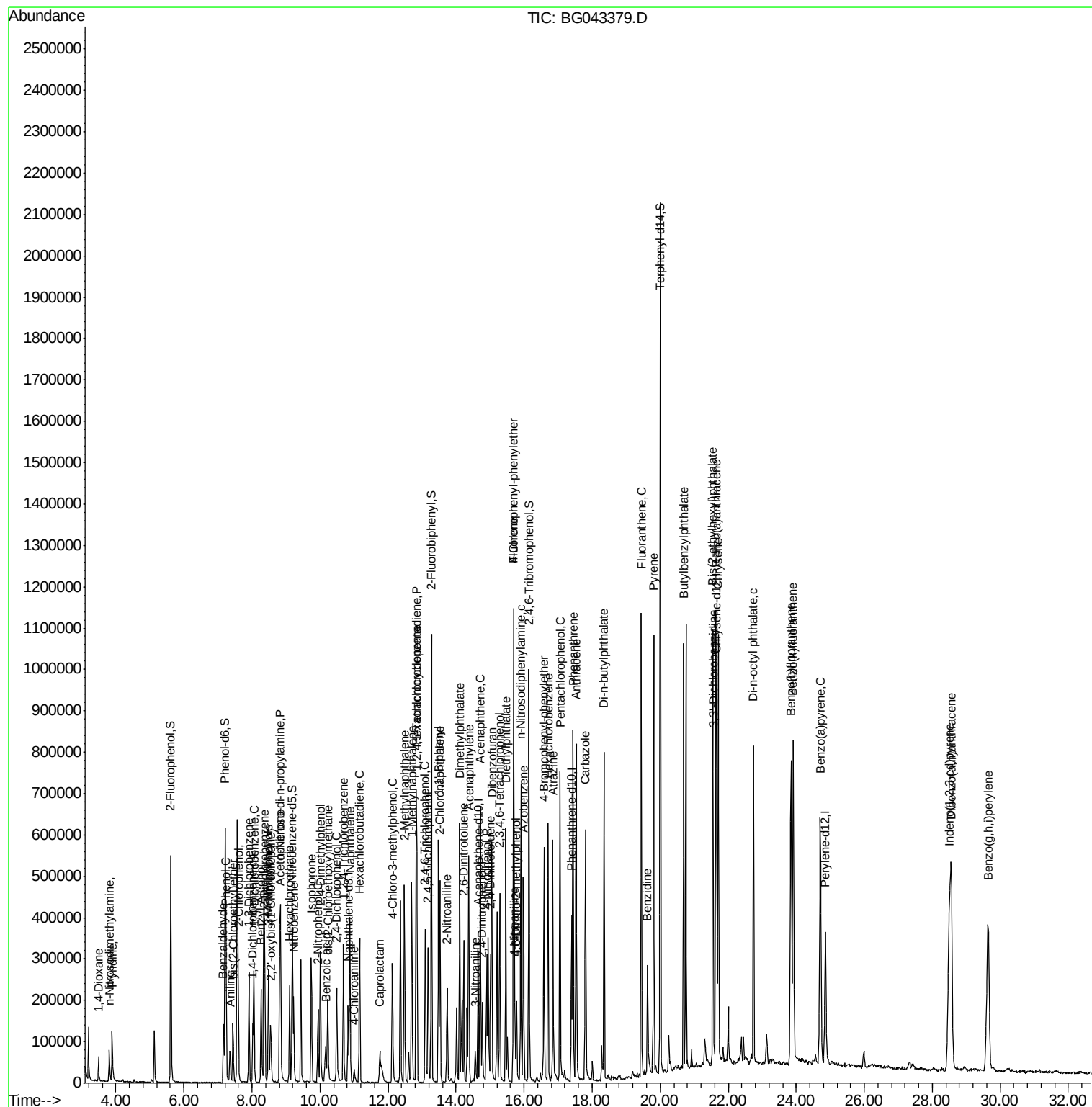
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 840

Delta R.T. -0.00 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

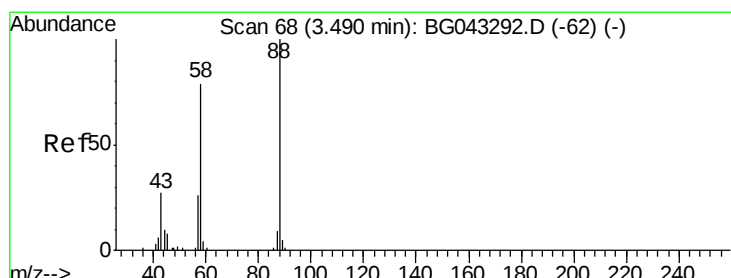
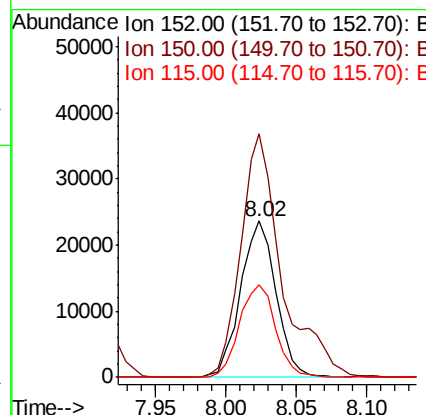
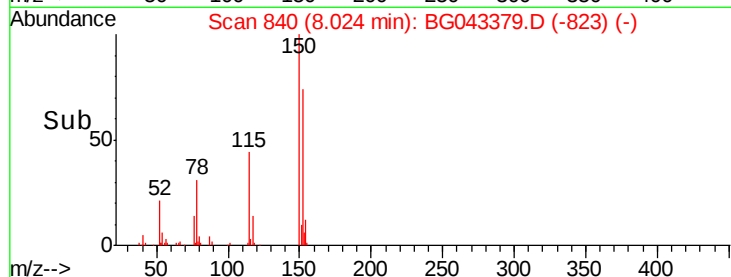
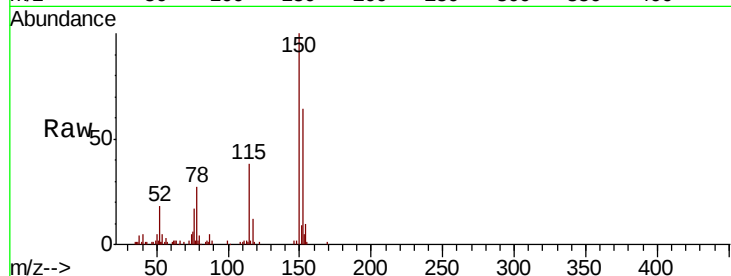
ClientSampleId :

CSA-2-1-1MS

Tot Ion:	152	Resp:	41422
Ion	Ratio	Lower	Upper
152	100		
150	155.6	113.6	170.4
115	58.8	45.9	68.9

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#2

1,4-Dioxane

Concen: 33.610 ng

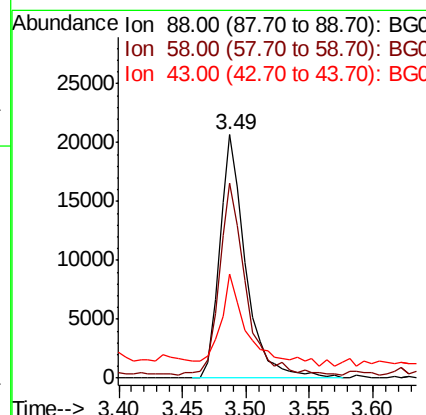
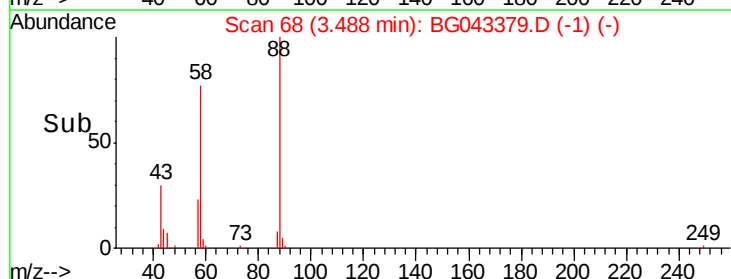
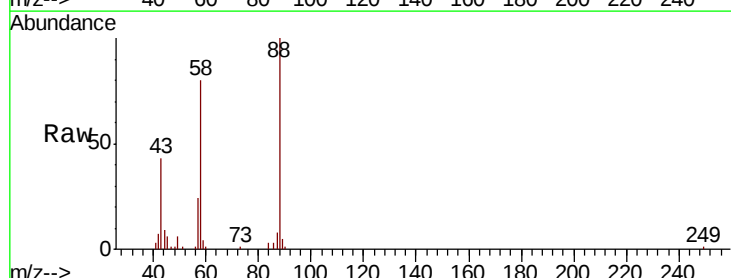
RT: 3.49 min Scan# 68

Delta R.T. -0.00 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Tgt Ion:	88	Resp:	29607
Ion	Ratio	Lower	Upper
88	100		
58	78.0	60.2	90.2
43	30.4	22.7	34.1





#3

Pvridine

Concen: 33.760 ng

RT: 3.89 min Scan# 136

Delta R.T. -0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

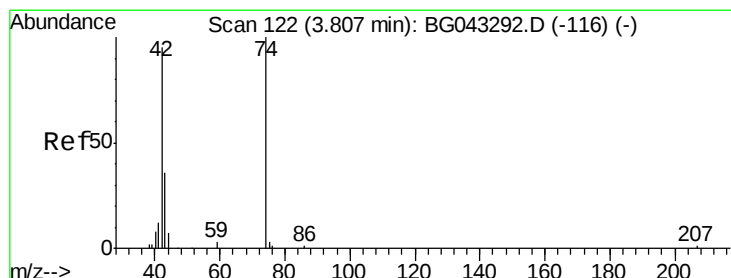
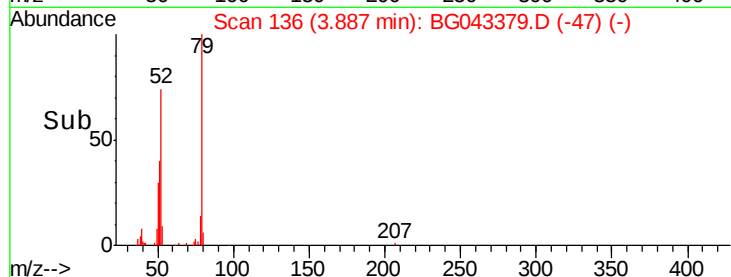
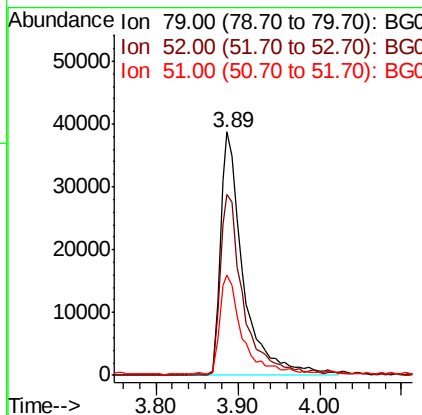
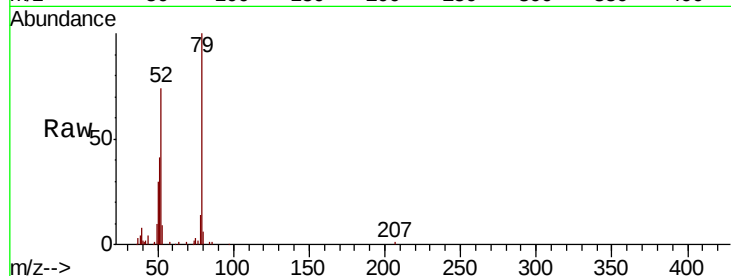
ClientSampleId :

CSA-2-1-1MS

Tot Ion:	79	Resp:	75018
Ion	Ratio	Lower	Upper
79	100		
52	74.4	59.7	89.5
51	41.3	31.8	47.6

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 41.435 ng

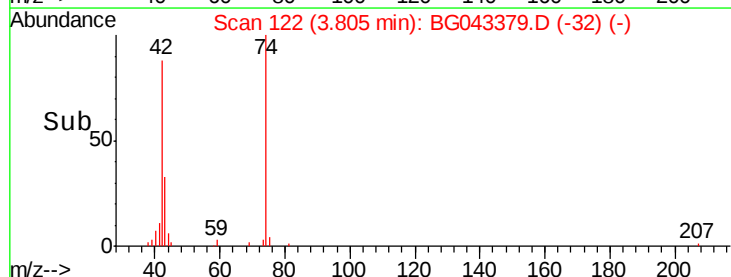
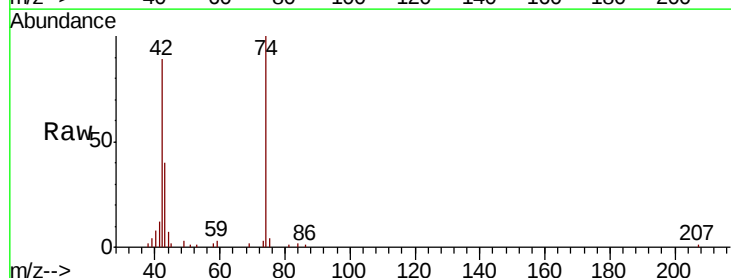
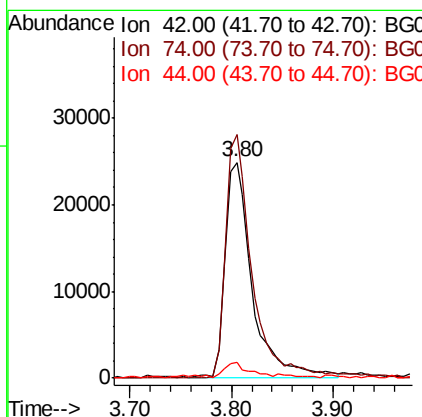
RT: 3.80 min Scan# 122

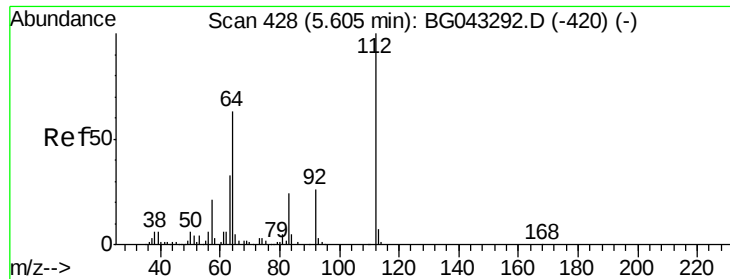
Delta R.T. -0.00 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Tgt Ion:	42	Resp:	46460
Ion	Ratio	Lower	Upper
42	100		
74	112.9	84.2	126.2
44	7.6	6.0	9.0





#5

2-Fluorophenol

Concen: 118.043 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

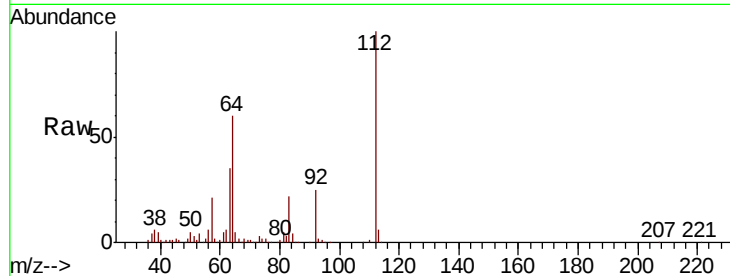
ClientSampleId :

CSA-2-1-1MS

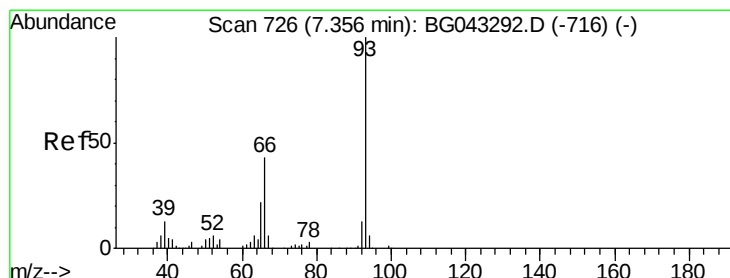
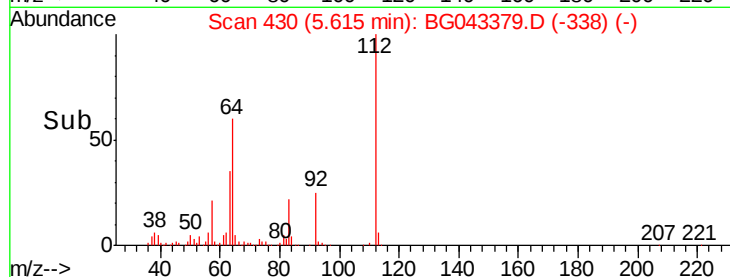
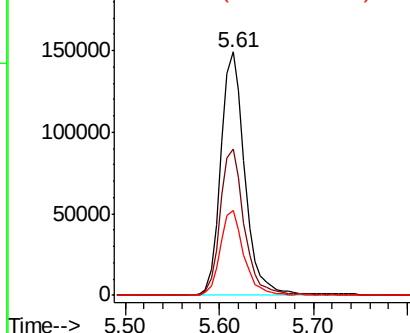
Tot Ion:	112	Resp:	266833
Ion Ratio	Lower	Upper	
112	100		
64	60.2	50.2	75.2
63	35.1	26.7	40.1

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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: 14.386 ng

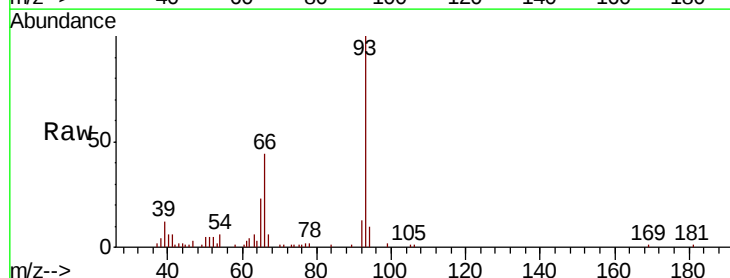
RT: 7.35 min Scan# 726

Delta R.T. -0.00 min

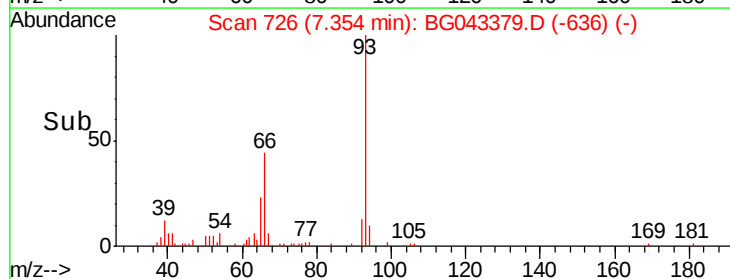
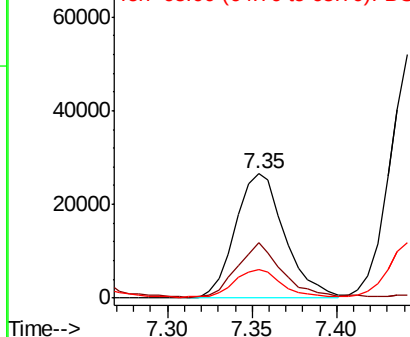
Lab File: BG043379.D

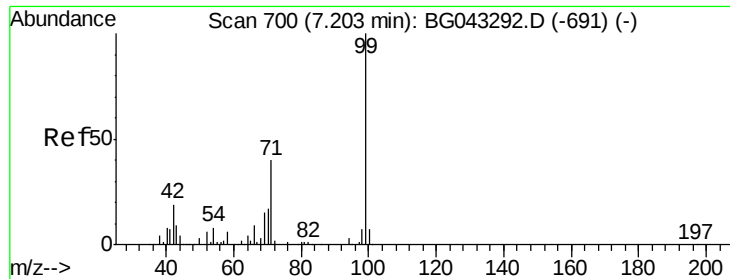
Acq: 29 Oct 2019 18:19

Tgt Ion:	93	Resp:	53897
Ion Ratio	Lower	Upper	
93	100		
66	44.3	34.5	51.7
65	23.5	18.0	27.0



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: 114.085 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

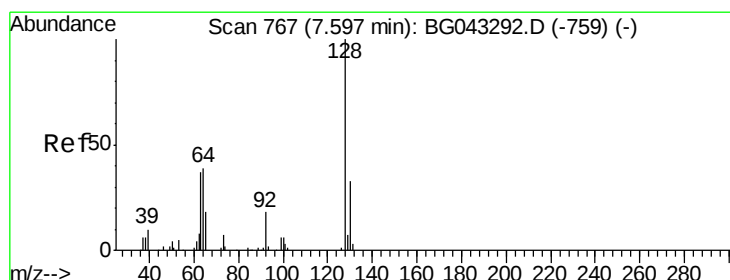
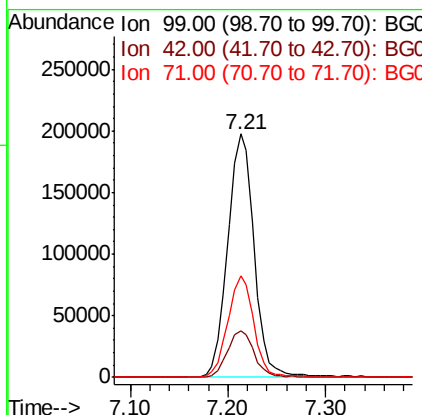
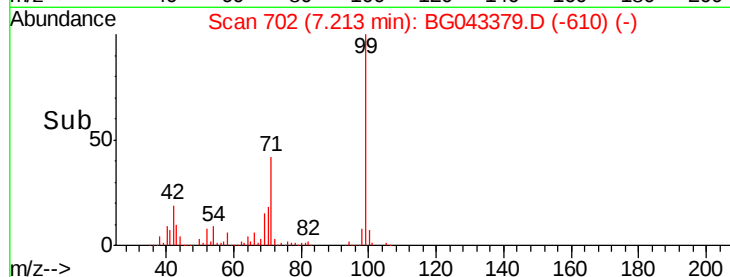
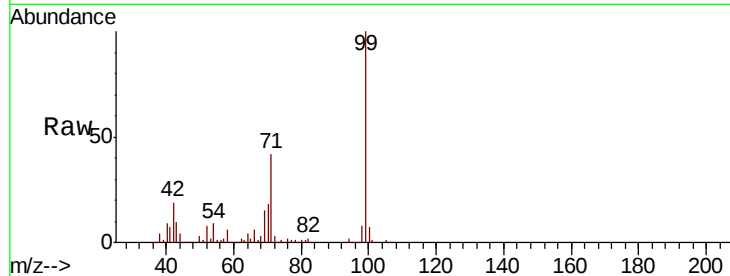
ClientSampleId :

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Tot Ion:	99	Resp:	371037
Ion Ratio	Lower	Upper	
99	100		
42	19.0	14.9	22.3
71	41.8	32.2	48.2

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#8

2-Chlorophenol

Concen: 42.081 ng

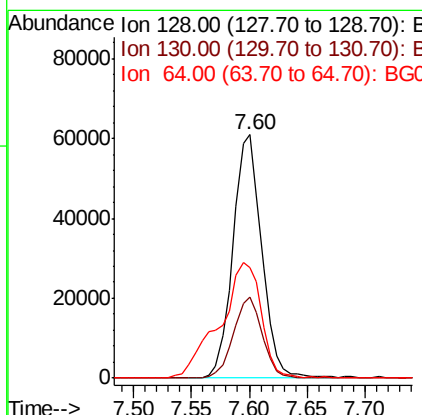
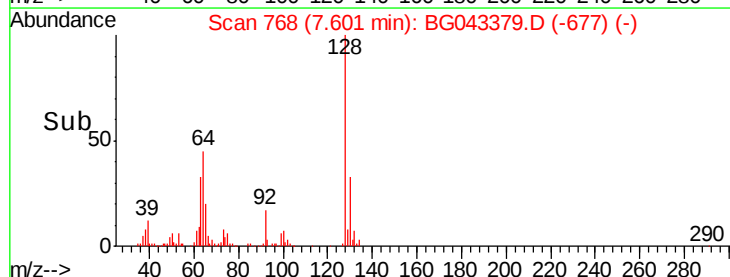
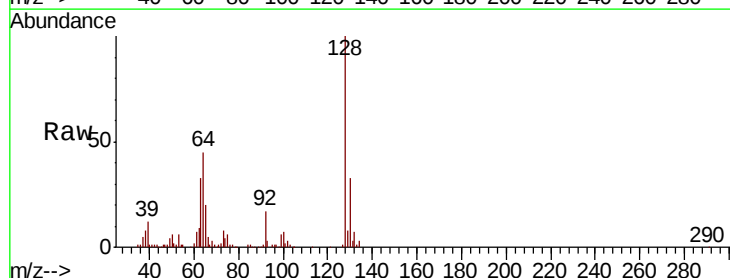
RT: 7.60 min Scan# 768

Delta R.T. 0.00 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Tgt Ion:	128	Resp:	105005
Ion Ratio	Lower	Upper	
128	100		
130	33.4	12.9	52.9
64	45.1	24.9	64.9





#9

Benzaldehyde

Concen: 33.721 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

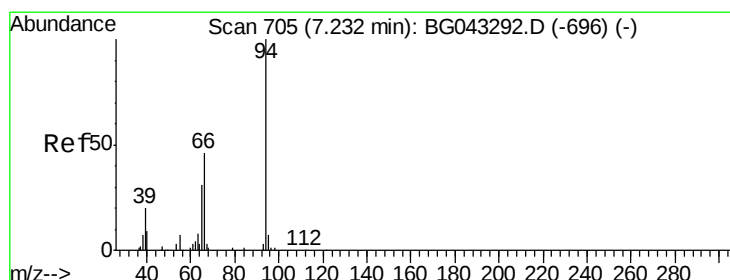
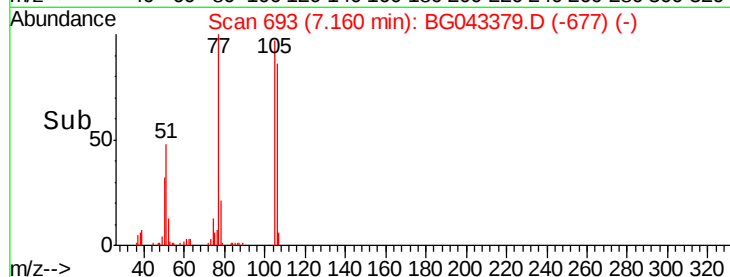
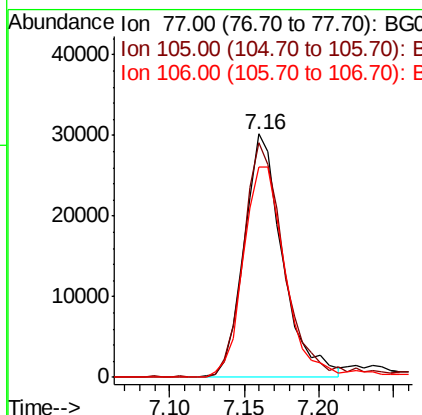
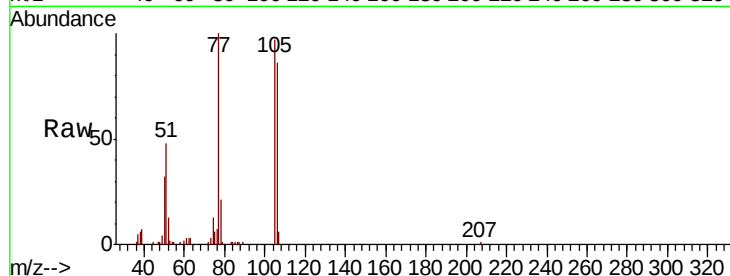
ClientSampleId :

CSA-2-1-1MS

Tot Ion:	77	Resp:	53896
Ion	Ratio	Lower	Upper
77	100		
105	96.5	68.7	108.7
106	86.2	60.5	100.5

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#10

Phenol

Concen: 44.478 ng

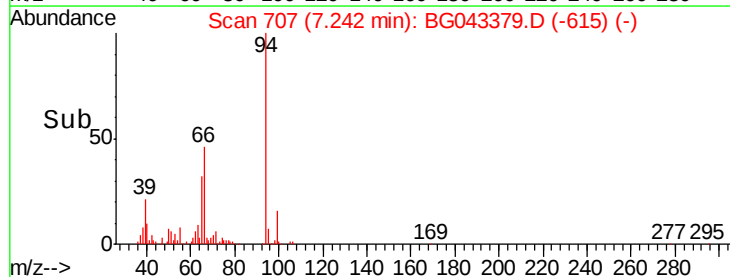
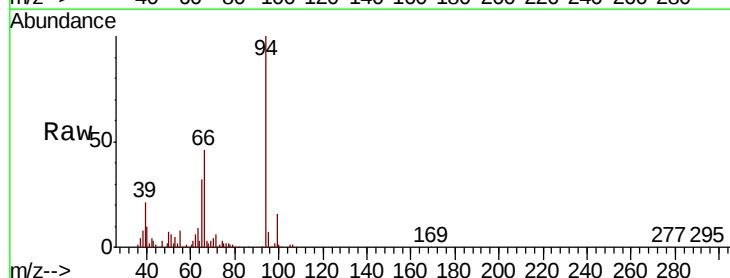
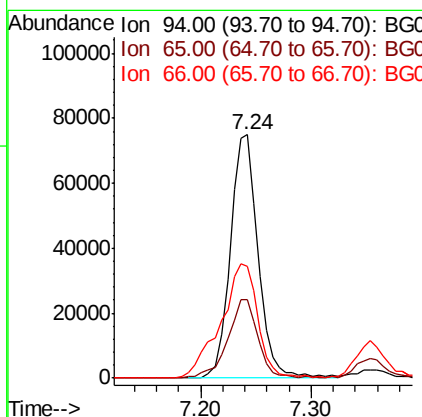
RT: 7.24 min Scan# 707

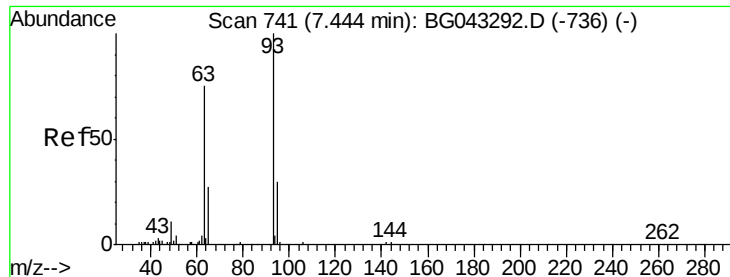
Delta R.T. 0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Tgt Ion:	94	Resp:	132184
Ion	Ratio	Lower	Upper
94	100		
65	32.2	11.1	51.1
66	46.1	27.8	67.8





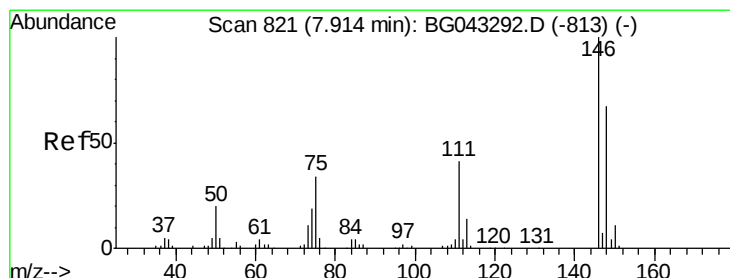
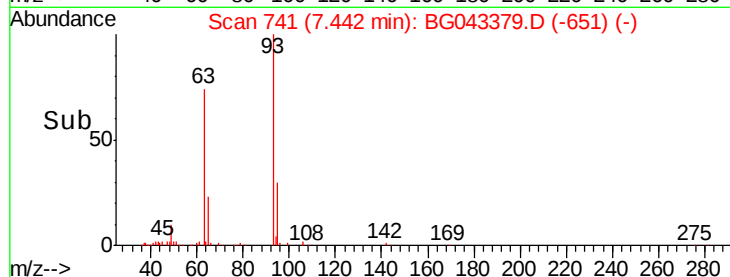
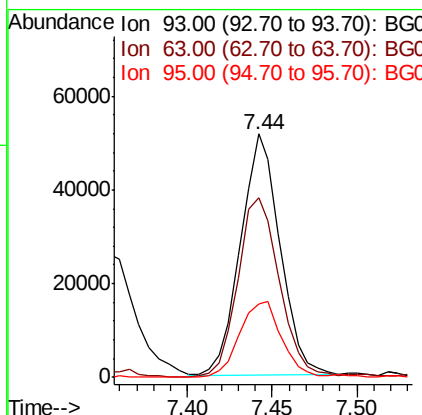
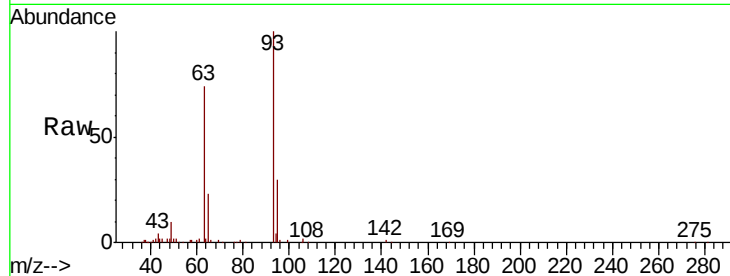
#11
bis(2-Chloroethyl)ether
Concen: 36.491 ng
RT: 7.44 min Scan# 741
Delta R.T. -0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-IMS

Tot Ion:	93	Resp:	83847
Ion	Ratio	Lower	Upper
93	100		
63	73.7	54.6	94.6
95	30.0	9.7	49.7

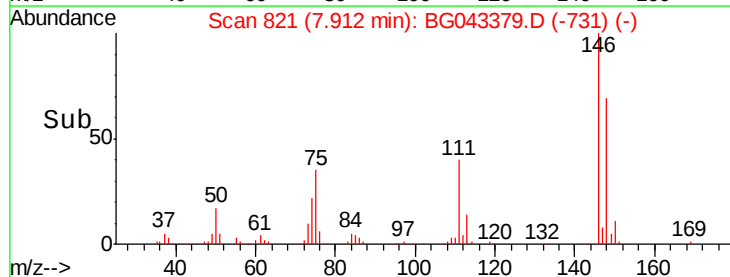
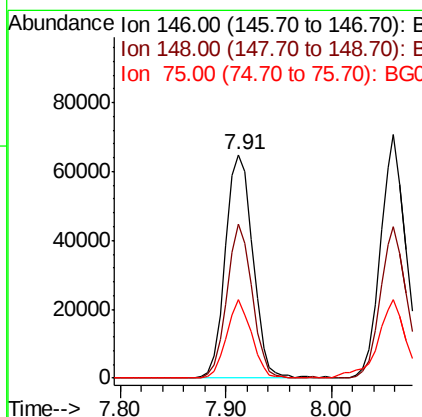
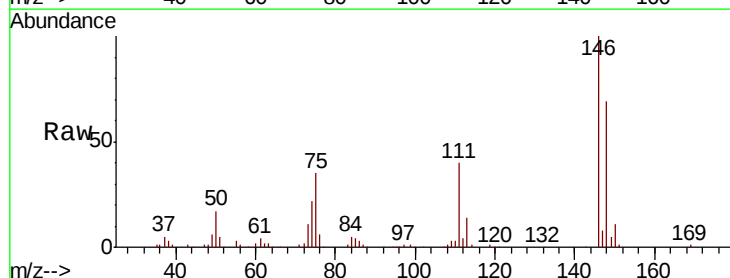
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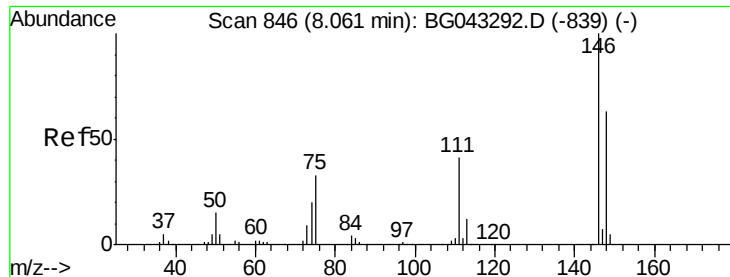
mohammad
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#12
1,3-Dichlorobenzene
Concen: 37.155 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion:	146	Resp:	116162
Ion	Ratio	Lower	Upper
146	100		
148	69.0	53.4	80.2
75	35.0	27.0	40.4





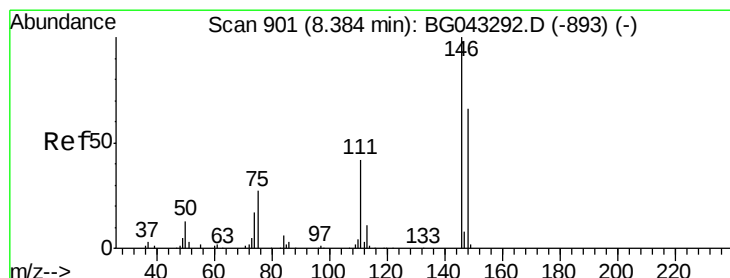
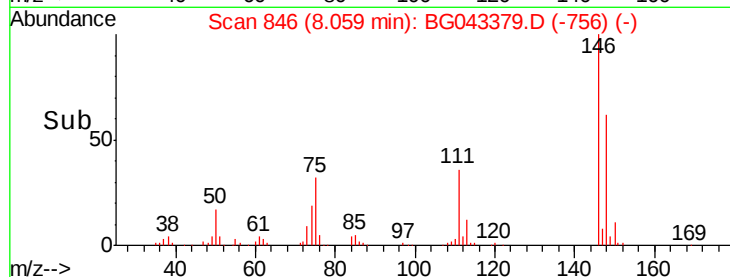
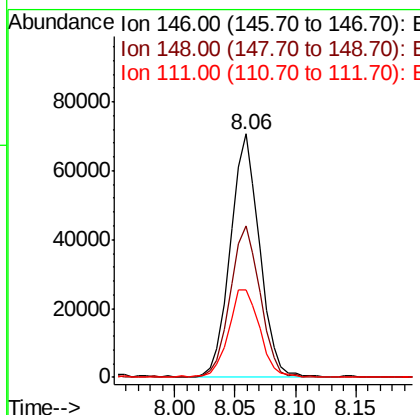
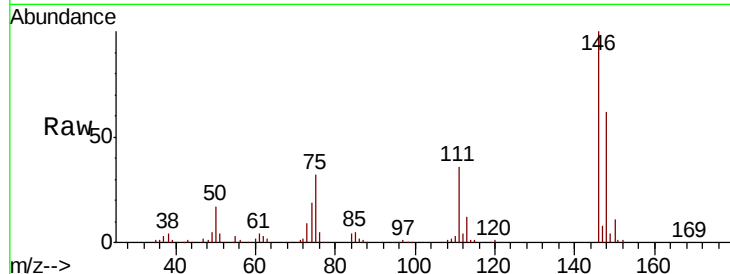
#13
 1,4-Dichlorobenzene
 Concen: 37.626 ng
 RT: 8.06 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-1MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.7	76.1
111	35.9	33.0	49.6

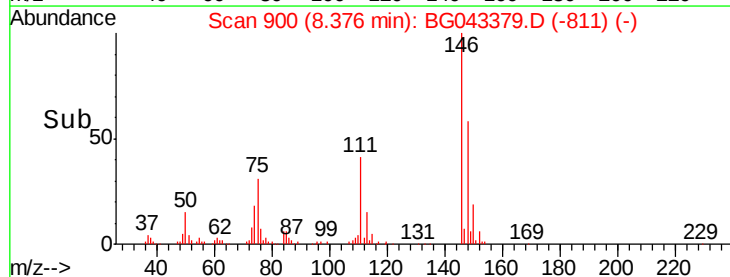
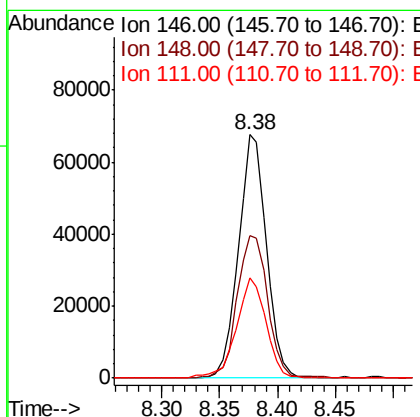
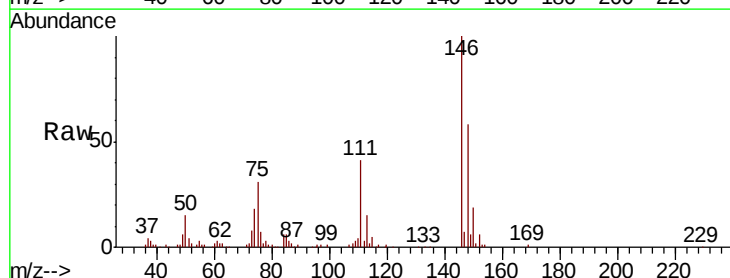
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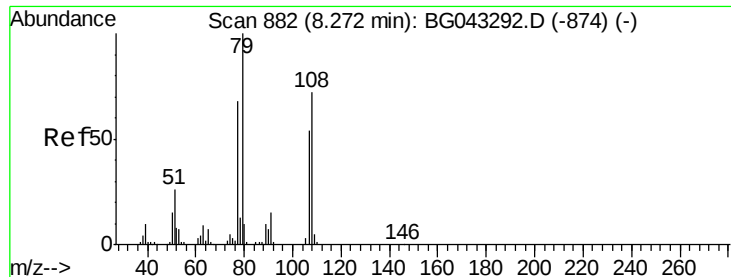
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 36.736 ng
 RT: 8.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
146	100		
148	58.4	53.0	79.4
111	41.2	34.5	51.7





#15

Benzyl Alcohol

Concen: 39.546 ng

RT: 8.27 min Scan# 882

Delta R.T. -0.00 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

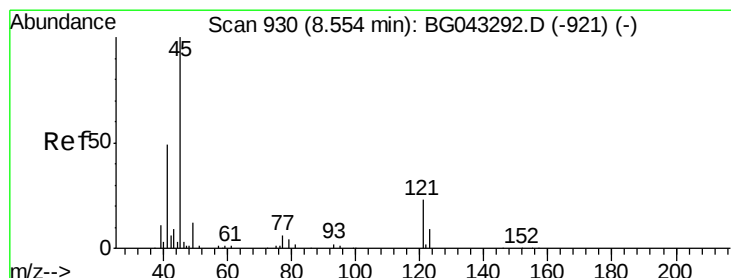
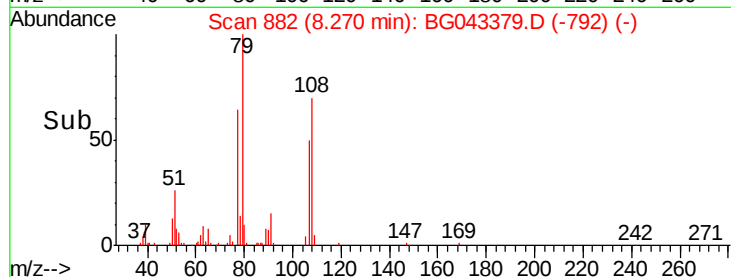
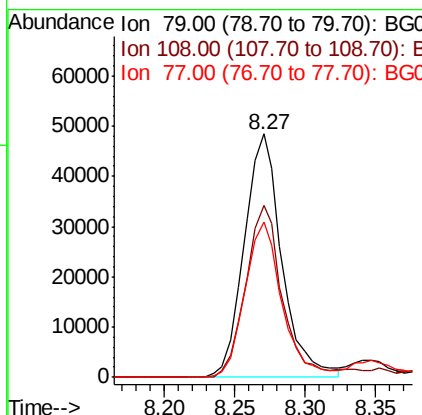
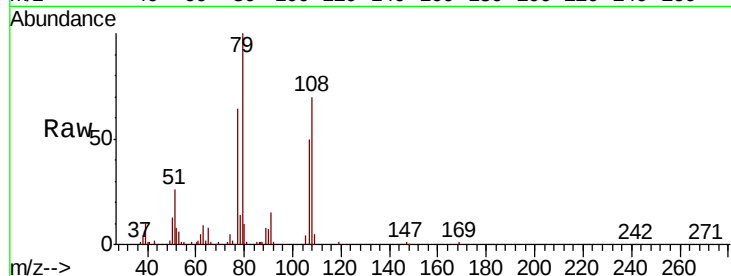
ClientSampleId :

CSA-2-1-1MS

Tot Ion:	79	Resp:	90326
Ion Ratio	Lower	Upper	
79	100		
108	70.5	57.3	85.9
77	63.8	54.6	81.8

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.428 ng

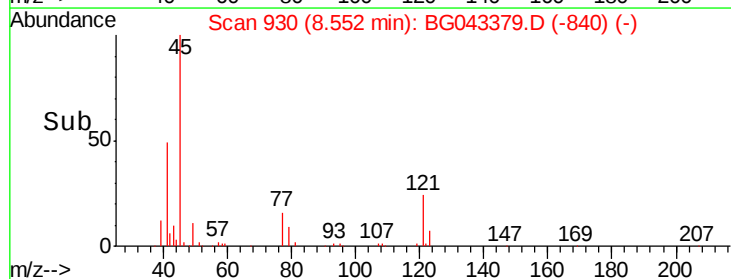
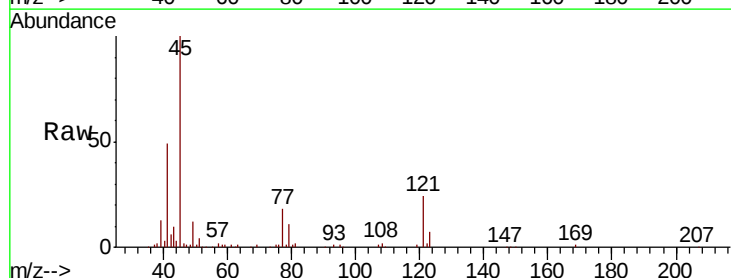
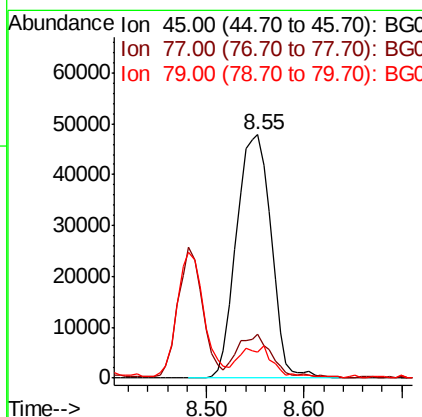
RT: 8.55 min Scan# 930

Delta R.T. -0.00 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Tgt Ion:	45	Resp:	118367
Ion Ratio	Lower	Upper	
45	100		
77	17.8	0.0	34.2
79	10.7	0.0	32.3





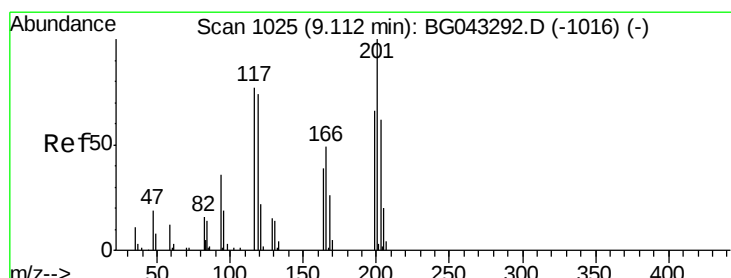
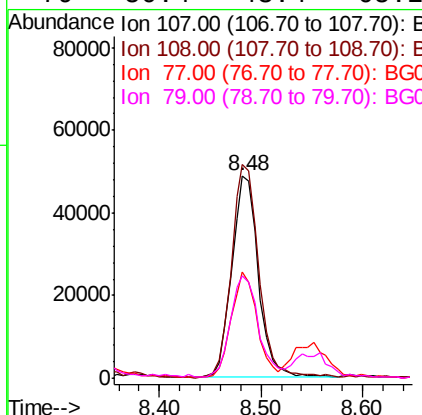
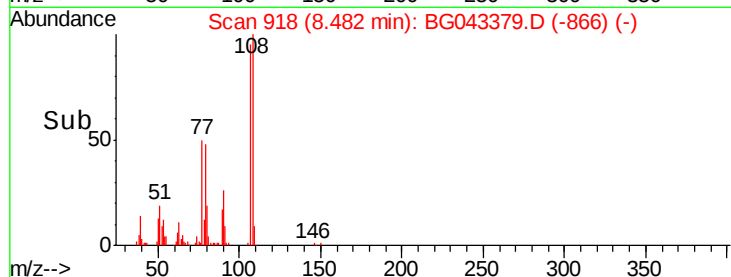
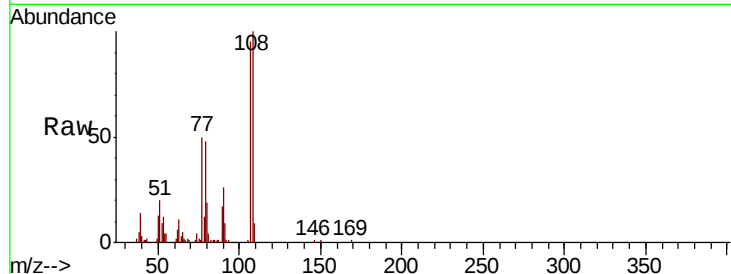
#17
2-Methylphenol
Concen: 40.733 ng
RT: 8.48 min Scan# 918
Delta R.T. 0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	105.6	91.3	136.9	
77	52.8	43.0	64.6	
79	50.4	43.4	65.2	

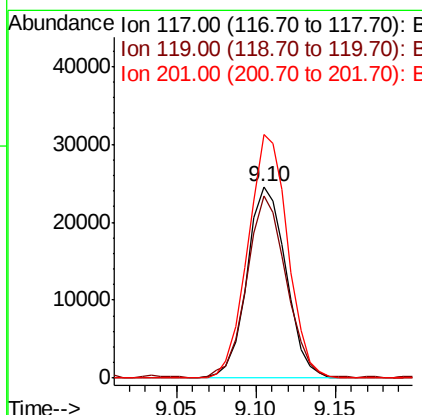
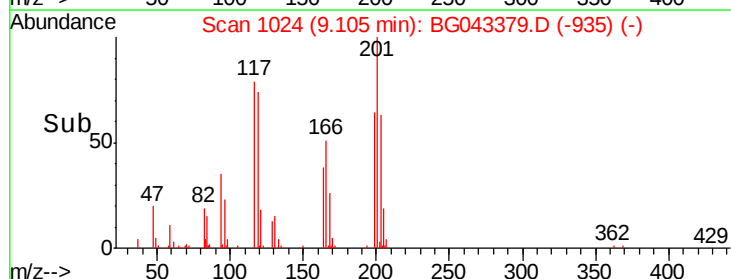
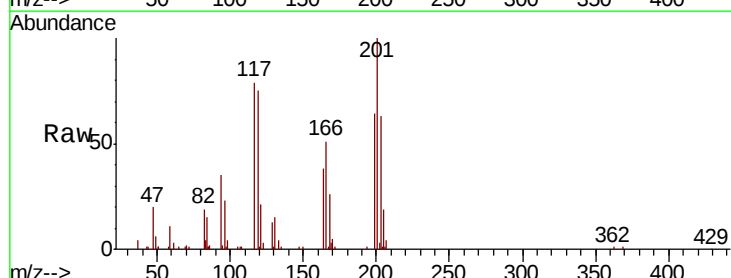
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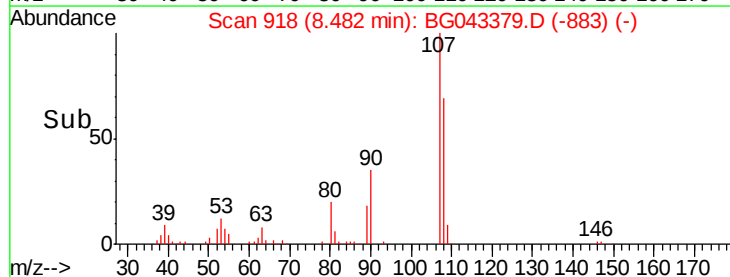
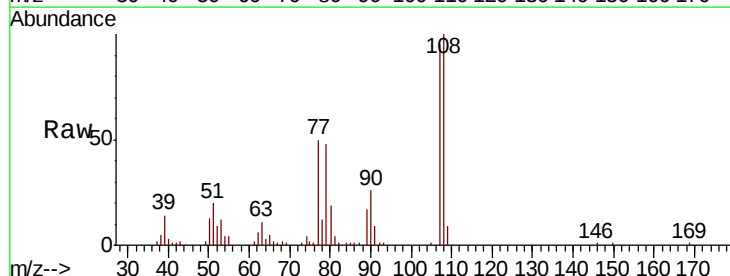
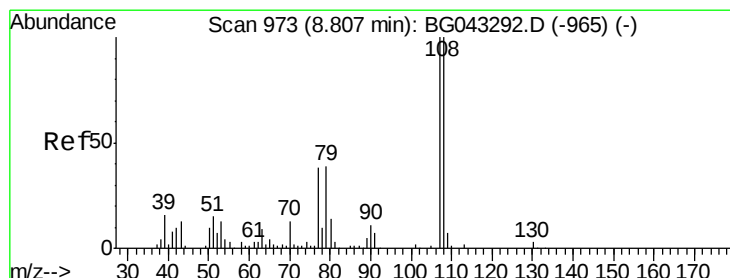
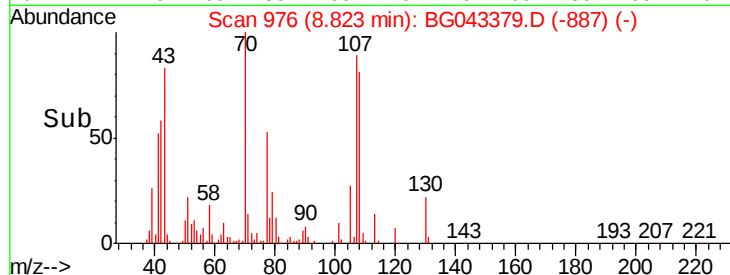
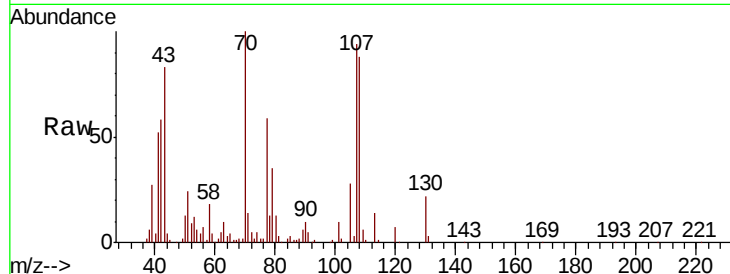
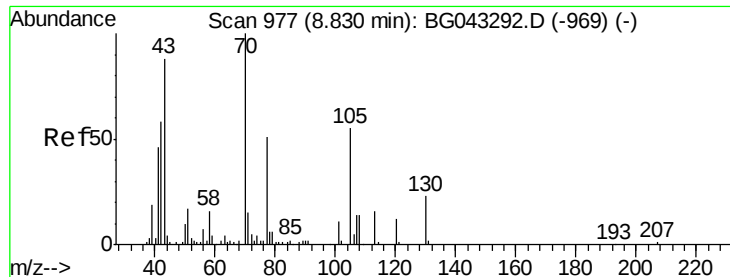
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#18
Hexachloroethane
Concen: 36.709 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

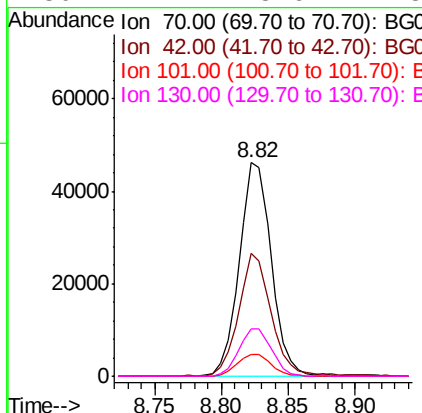
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.9	77.3	115.9	
201	127.0	104.2	156.4	





#19
n-Nitroso-di-n-propylamine
Concen: 36.377 ng
RT: 8.82 min Scan# 976
Delta R.T. -0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	57.7	46.2	69.2	
101	10.3	8.6	13.0	
130	22.1	18.6	27.8	



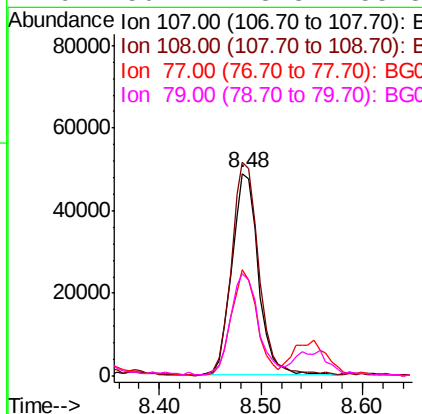
Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

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#20
3+4-Methylphenols
Concen: 29.569 ng
RT: 8.48 min Scan# 918
Delta R.T. -0.33 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	105.6	80.3	120.3	
77	52.8	18.2	58.2	
79	50.4	18.8	58.8	





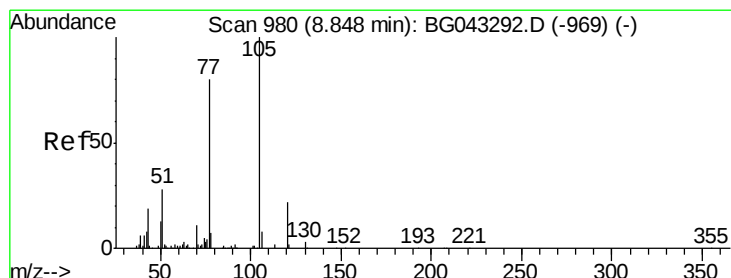
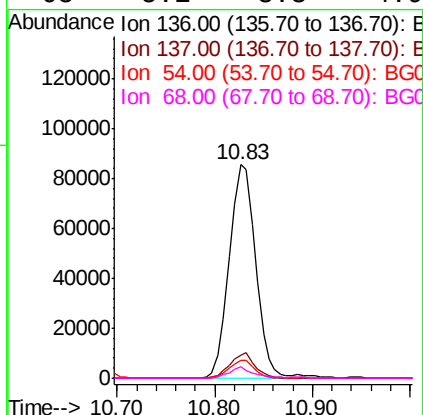
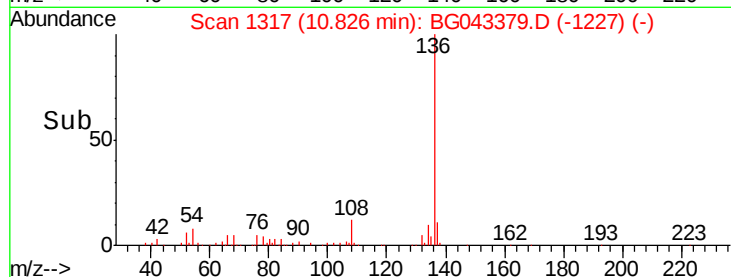
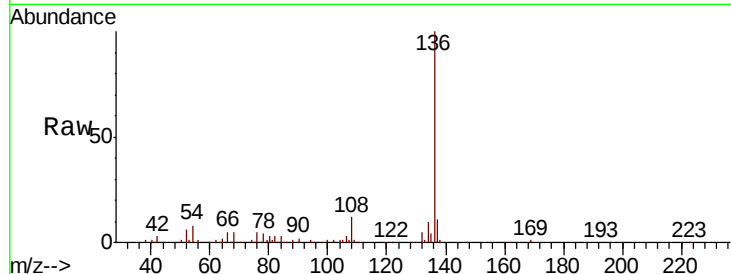
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	162960		
137	11.0	8.2	12.2	
54	8.5	5.4	8.2#	
68	5.1	3.3	4.9#	

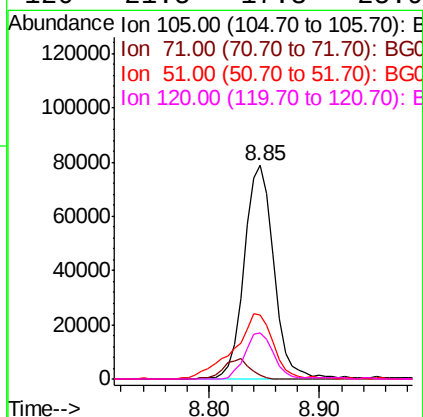
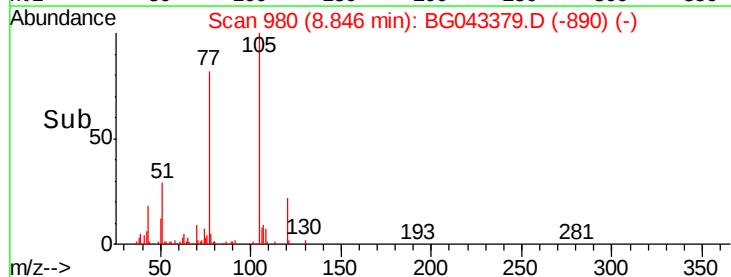
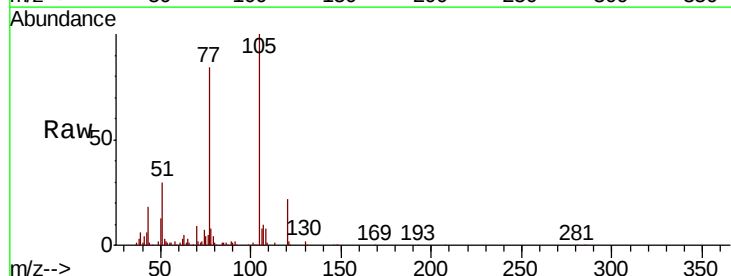
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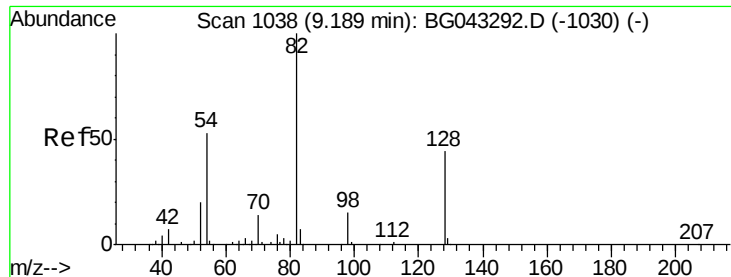
mohammad
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#22
Acetophenone
Concen: 35.620 ng
RT: 8.85 min Scan# 980
Delta R.T. -0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	148650		
71	2.0	1.5	2.3	
51	30.2	23.9	35.9	
120	21.5	17.3	25.9	





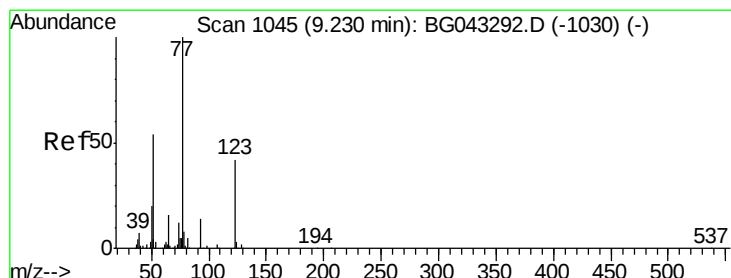
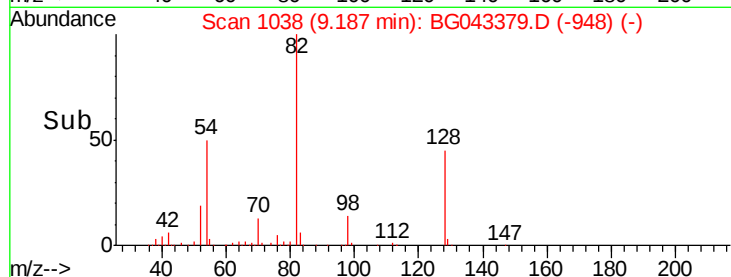
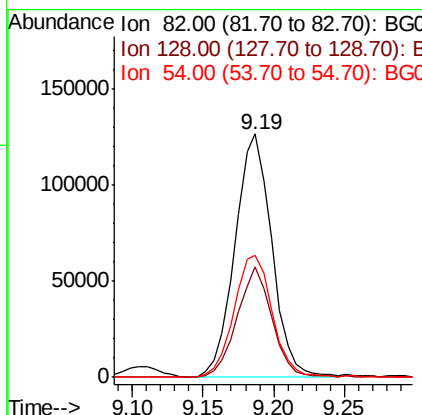
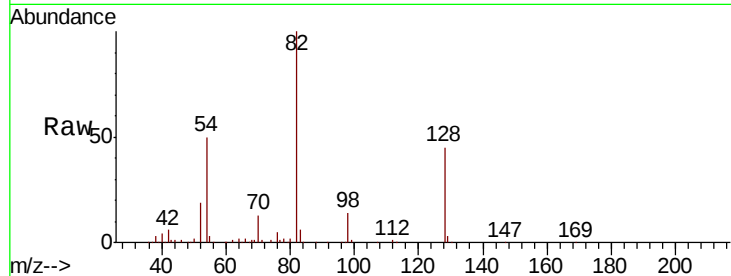
#23
Nitrobenzene-d5
Concen: 73.269 ng
RT: 9.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	35.3	52.9
54	50.3	42.3	63.5

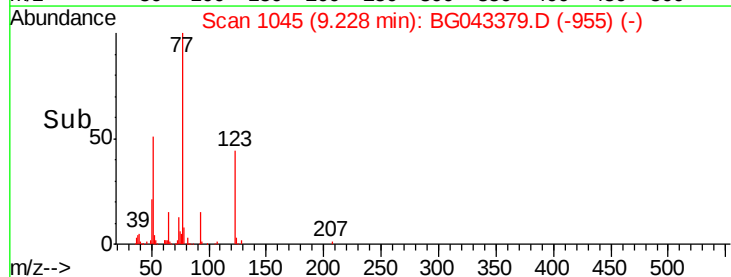
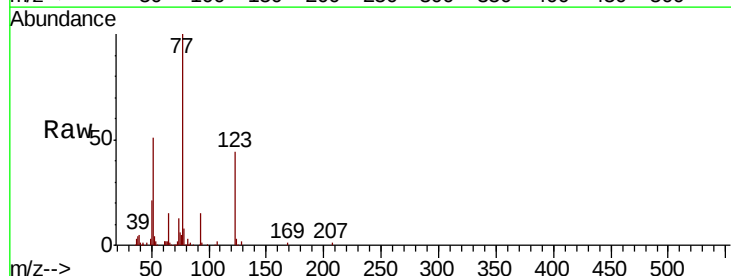
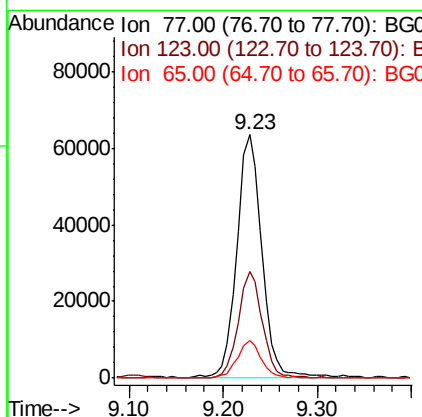
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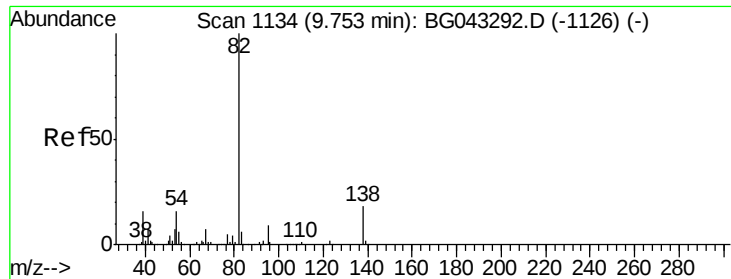
mohammad
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#24
Nitrobenzene
Concen: 39.249 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.8	33.8	50.8
65	15.3	13.0	19.4





#25

Isophorone

Concen: 37.556 ng

RT: 9.75 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

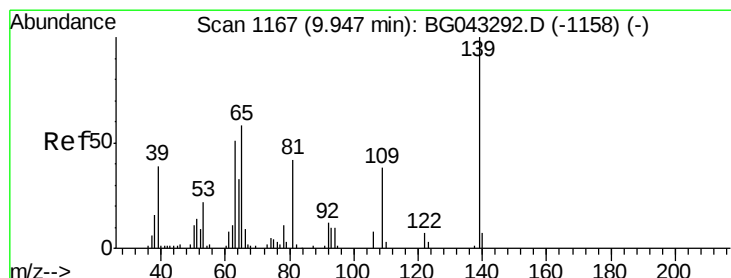
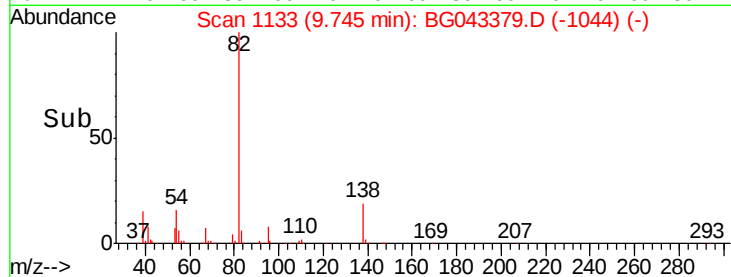
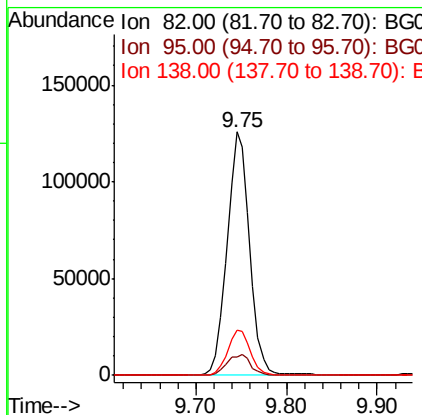
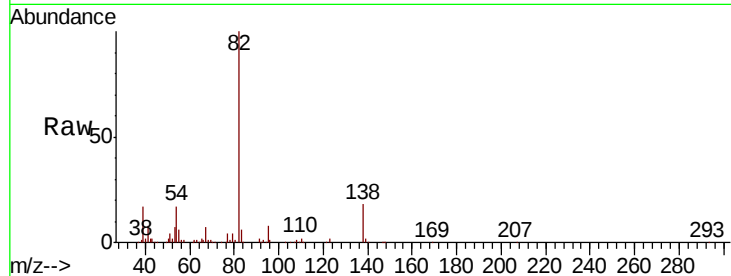
ClientSampleId :

CSA-2-1-1MS

Tot Ion:	82	Resp:	217040
Ion Ratio	Lower	Upper	
82	100		
95	7.6	6.9	10.3
138	18.5	14.2	21.2

Manual Integrations
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#26

2-Nitrophenol

Concen: 41.911 ng

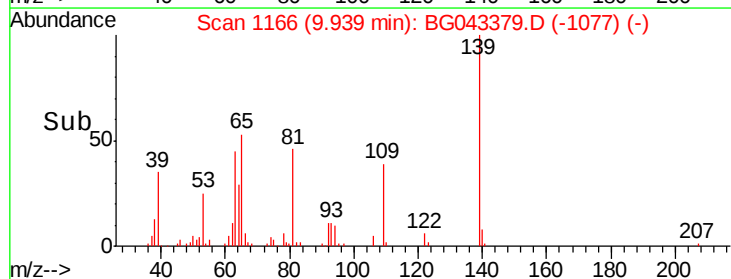
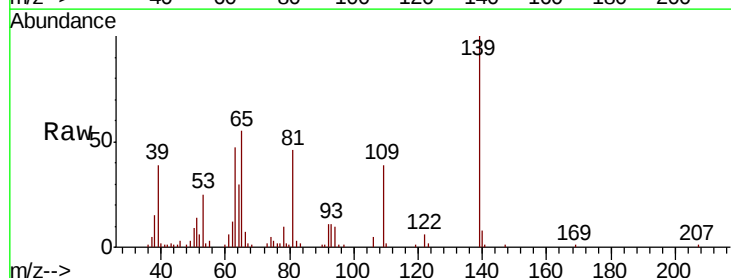
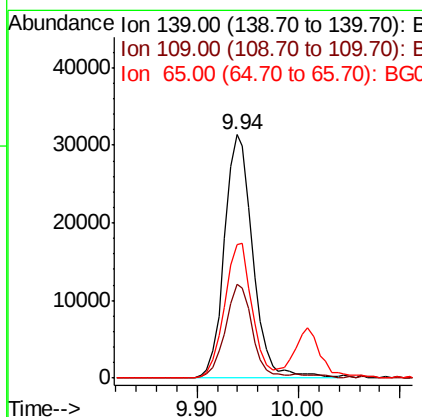
RT: 9.94 min Scan# 1166

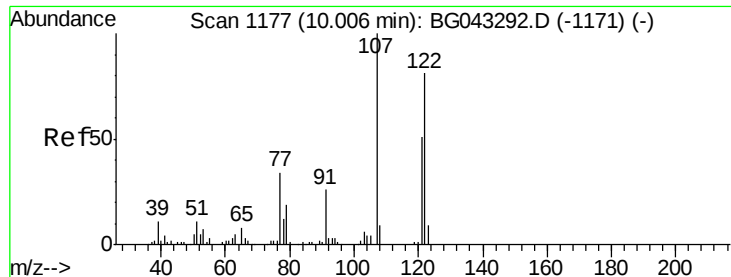
Delta R.T. -0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Tgt Ion:	139	Resp:	60927
Ion Ratio	Lower	Upper	
139	100		
109	38.7	30.1	45.1
65	55.0	46.1	69.1





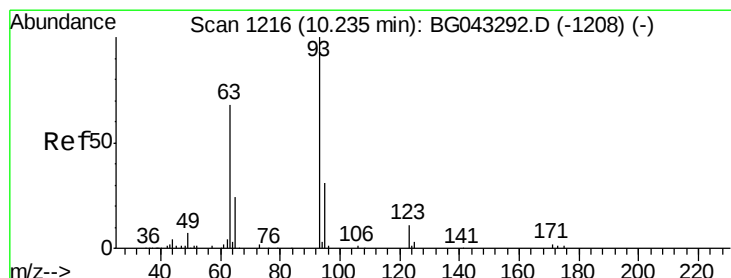
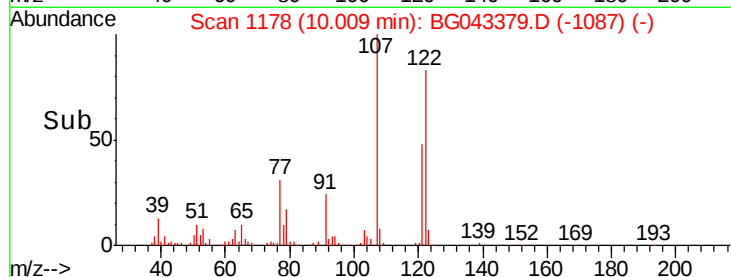
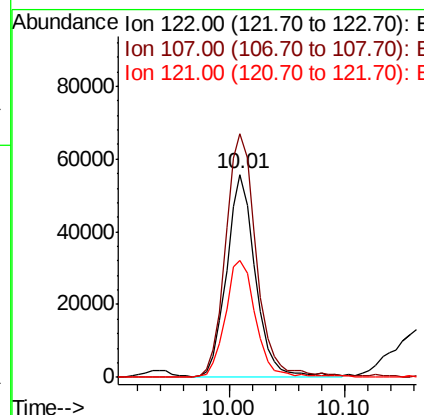
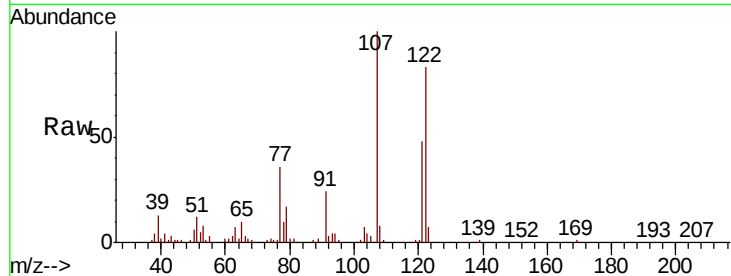
#27
 2,4-Dimethylphenol
 Concen: 46.567 ng
 RT: 10.01 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-1MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	119.9	98.6	147.8
121	57.8	50.1	75.1

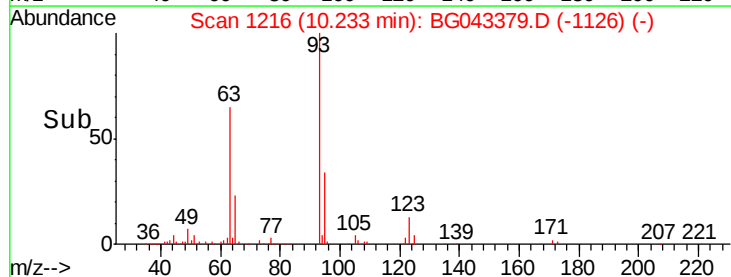
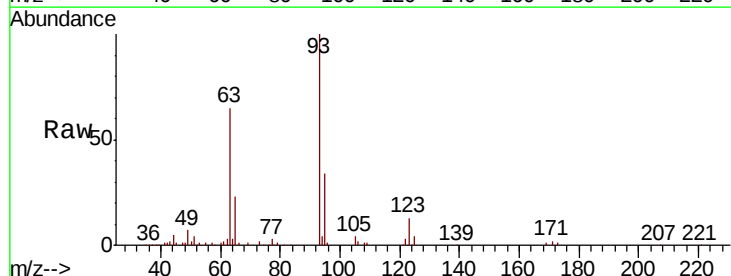
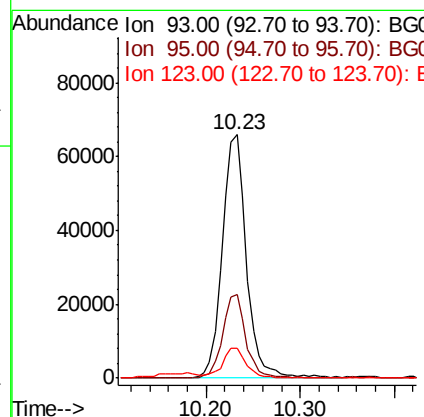
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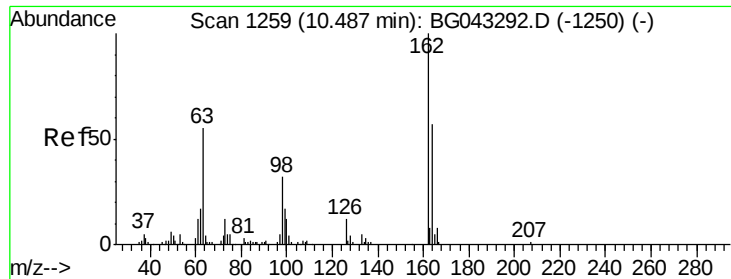
mohammad
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#28
 bis(2-Chloroethoxy)methane
 Concen: 37.155 ng
 RT: 10.23 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	34.2	24.9	37.3
123	12.5	8.9	13.3





#29

2,4-Dichlorophenol

Concen: 40.594 ng

RT: 10.49 min Scan# 1259

Delta R.T. -0.00 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

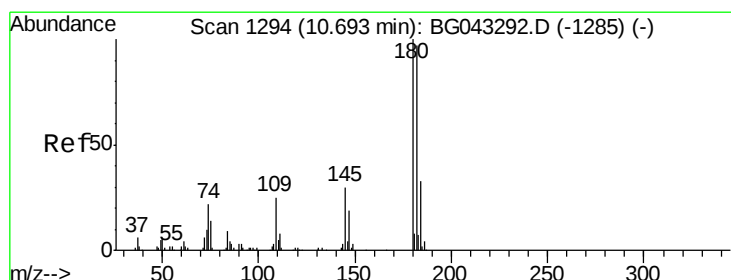
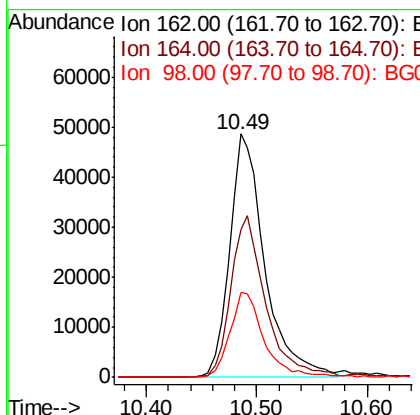
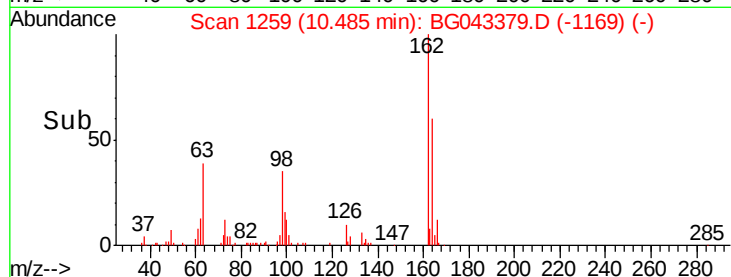
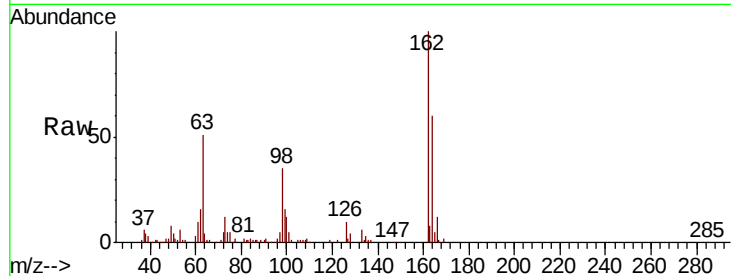
ClientSampleId :

CSA-2-1-1MS

Tot Ion:	162	Resp:	108370
Ion Ratio	Lower	Upper	
162	100		
164	60.4	37.3	77.3
98	35.1	11.8	51.8

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#30

1,2,4-Trichlorobenzene

Concen: 37.085 ng

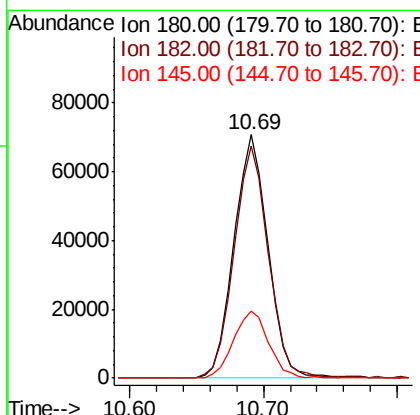
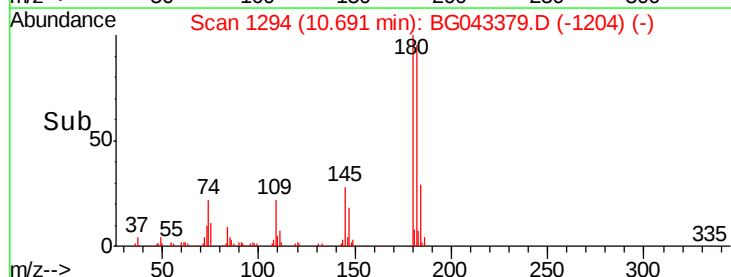
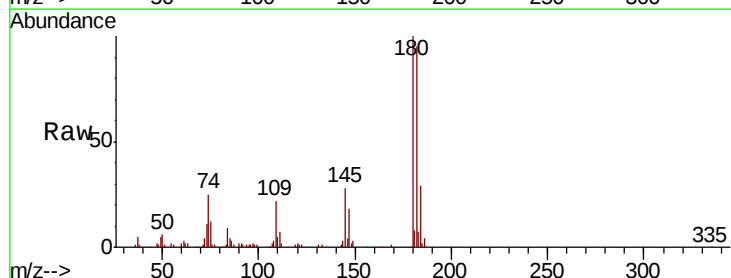
RT: 10.69 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Tgt Ion:	180	Resp:	124780
Ion Ratio	Lower	Upper	
180	100		
182	95.1	77.8	116.8
145	27.7	23.6	35.4





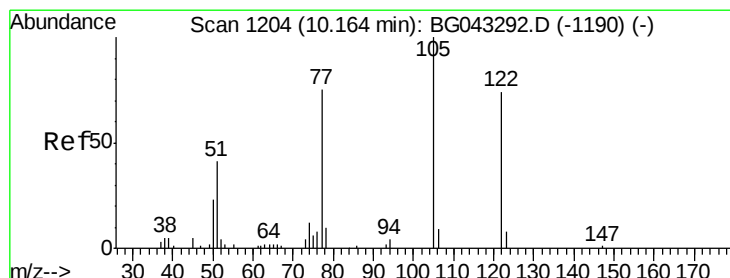
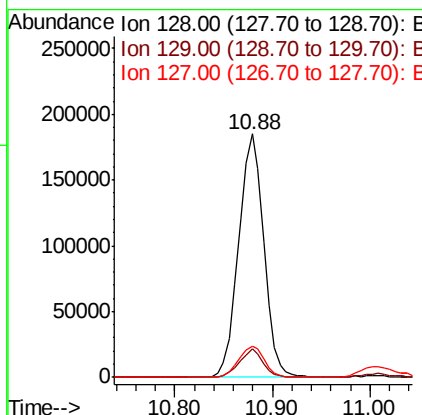
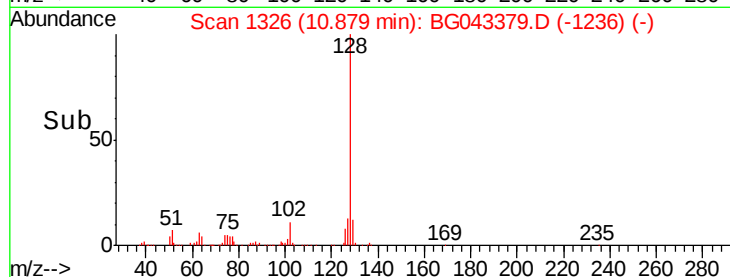
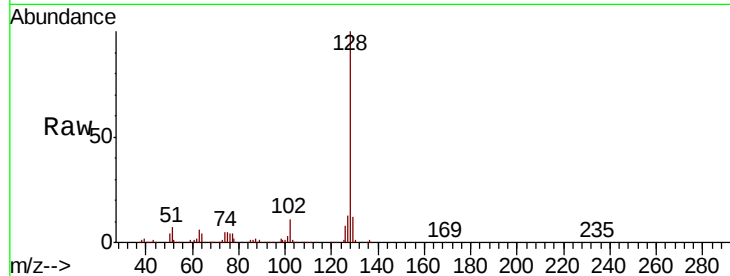
#31
Naphthalene
Concen: 40.171 ng
RT: 10.88 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

Tot Ion:128	Resp:	332284
Ion Ratio	Lower	Upper
128	100	
129	11.7	8.6 12.8
127	12.9	11.5 17.3

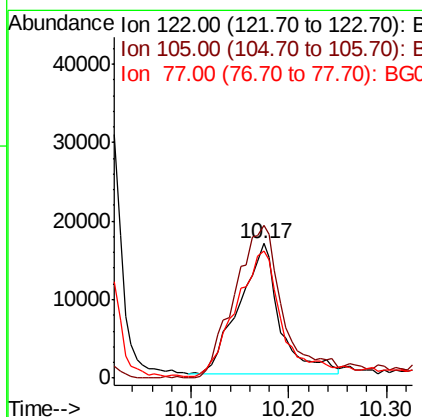
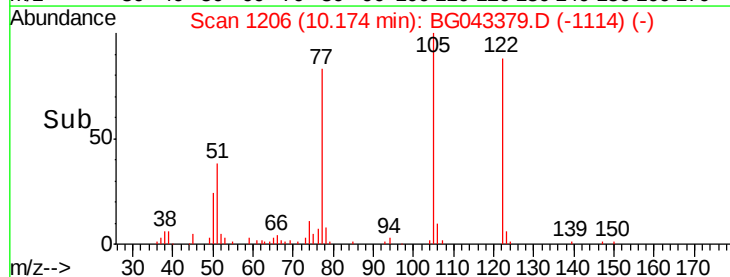
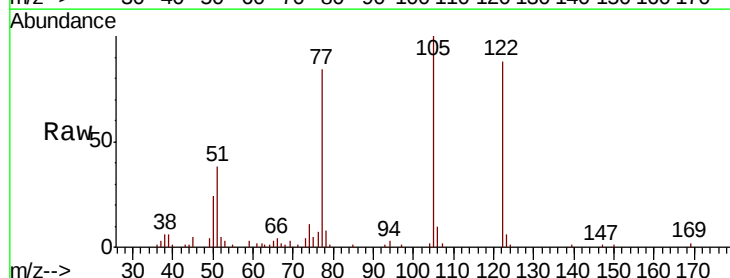
Manual Integrations
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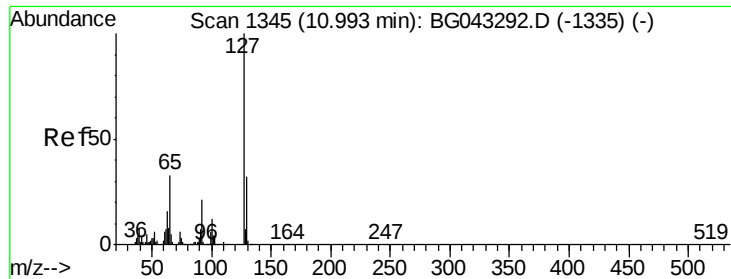
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#32
Benzoic acid
Concen: 33.379 ng
RT: 10.17 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion:122	Resp:	47701
Ion Ratio	Lower	Upper
122	100	
105	113.0	112.4 152.4
77	94.8	82.7 122.7





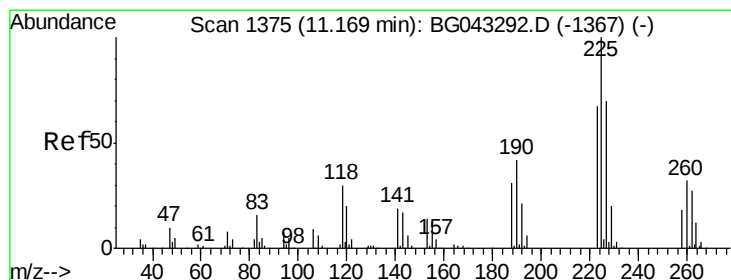
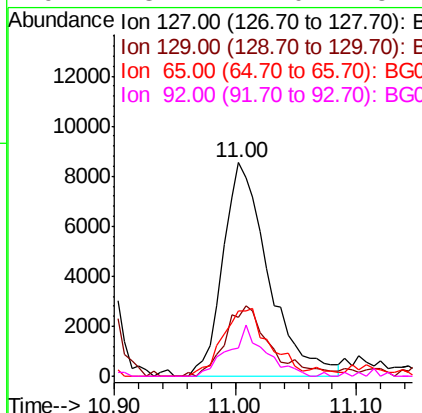
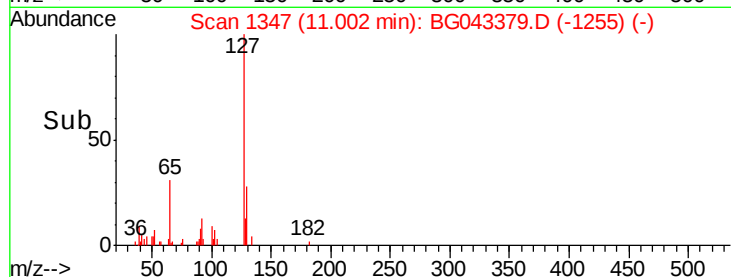
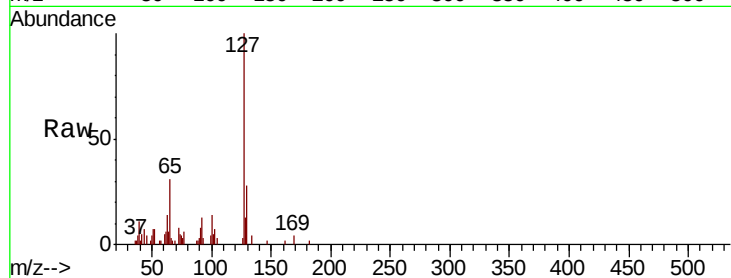
#33
4-Chloroaniline
Concen: 6.604 ng
RT: 11.00 min Scan# 1347
Delta R.T. 0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

Tot Ion	Ratio	Lower	Upper
127	100		
129	27.9	25.8	38.8
65	30.7	26.2	39.2
92	13.4	17.0	25.4

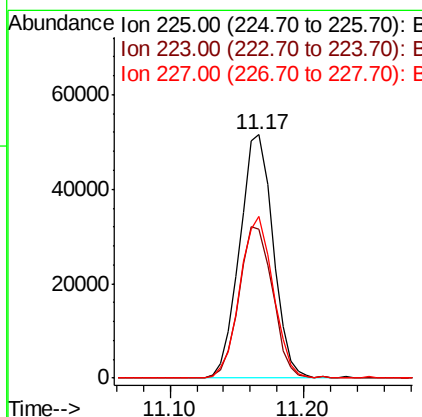
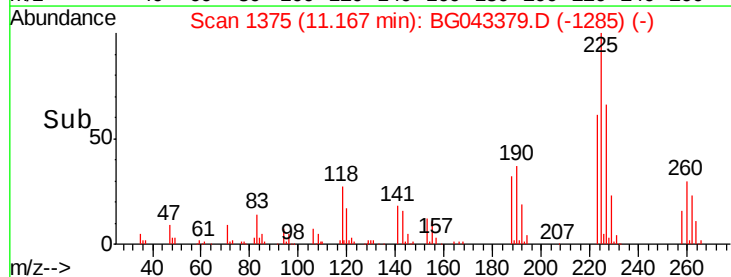
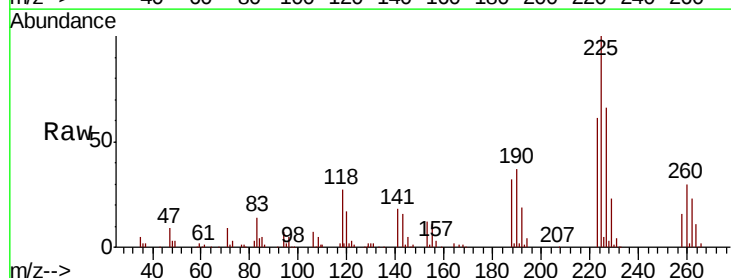
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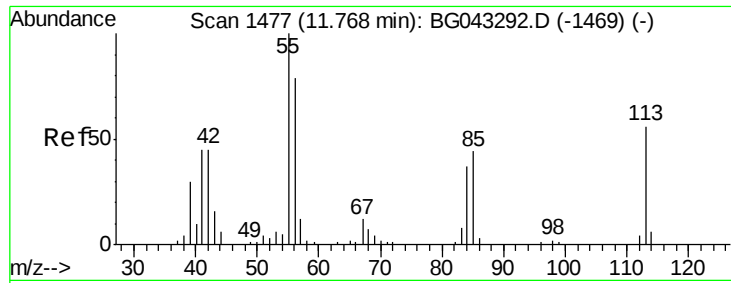
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#34
Hexachlorobutadiene
Concen: 35.876 ng
RT: 11.17 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	53.2	79.8
227	66.3	56.2	84.2





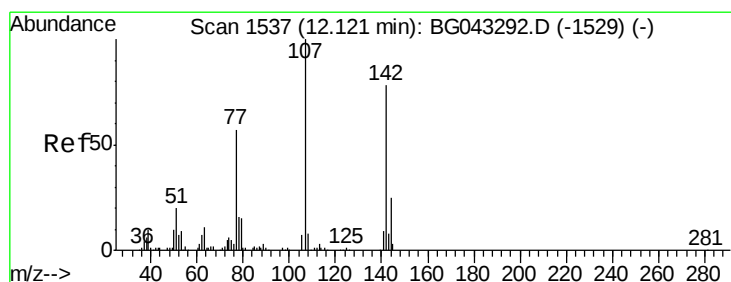
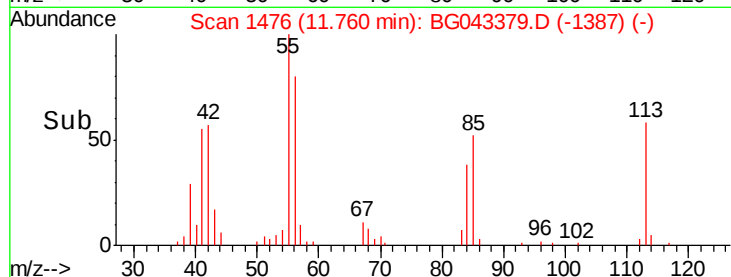
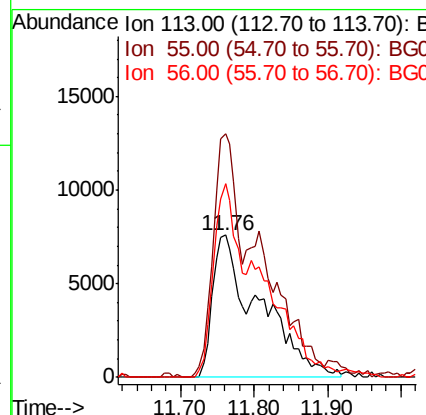
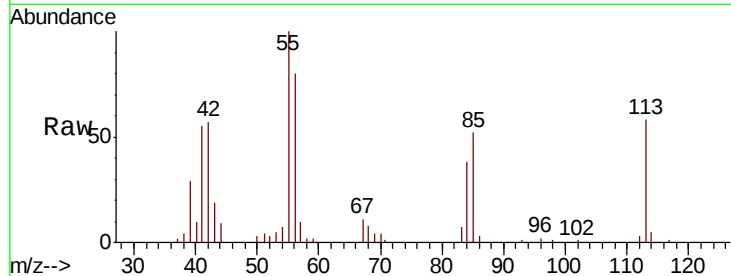
#35
 Caprolactam
 Concen: 36.730 ng/ml
 RT: 11.76 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-1MS

Tot Ion: 113 Resp: 33771
 Ion Ratio Lower Upper
 113 100
 55 171.0 158.9 198.9
 56 136.3 121.4 161.4

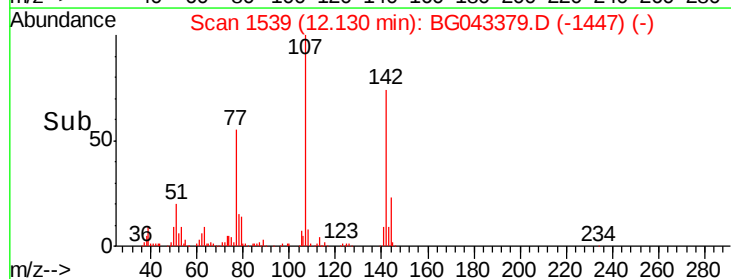
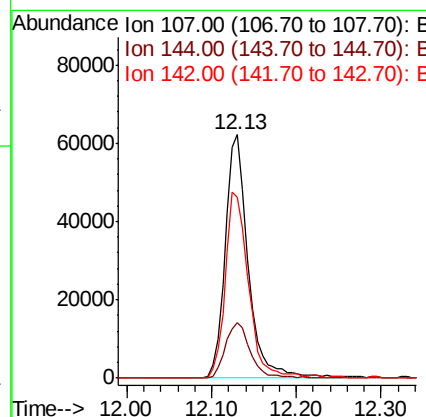
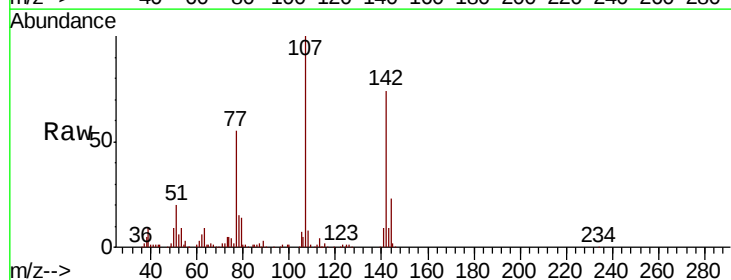
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#36
 4-Chloro-3-methylphenol
 Concen: 40.235 ng/ml
 RT: 12.13 min Scan# 1539
 Delta R.T. 0.01 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Tgt Ion: 107 Resp: 117164
 Ion Ratio Lower Upper
 107 100
 144 23.0 19.9 29.9
 142 74.3 62.1 93.1





#37

2-Methylnaphthalene

Concen: 39.222 ng

RT: 12.48 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

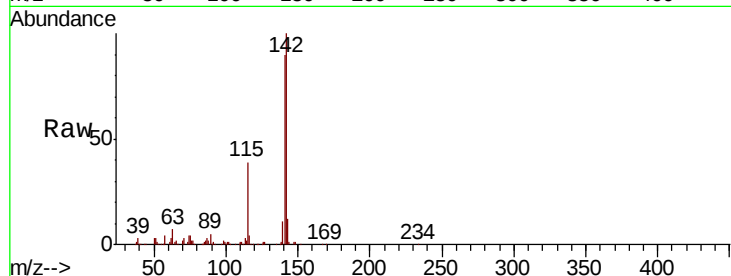
ClientSampleId :

CSA-2-1-1MS

Tot Ion:	142	Resp:	248932
Ion Ratio	Lower	Upper	
142	100		
141	90.4	69.7	104.5
115	39.1	30.6	46.0

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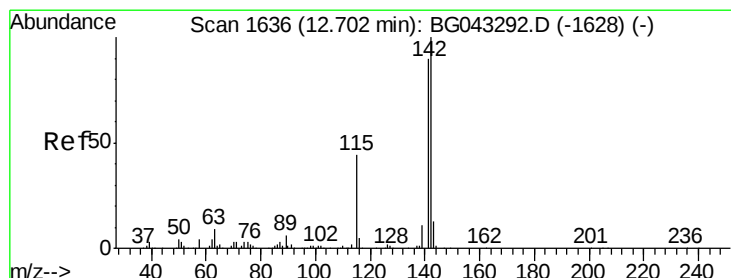
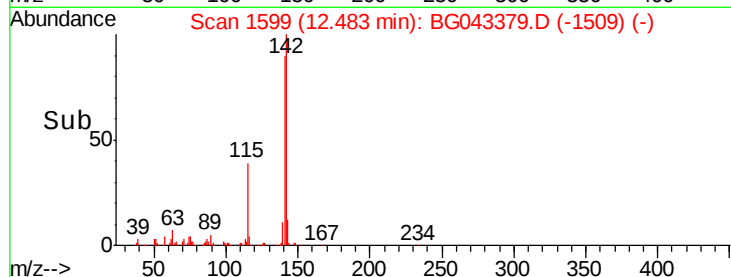
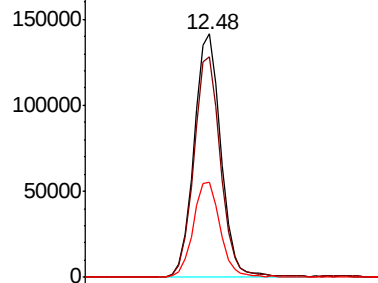


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 38.987 ng

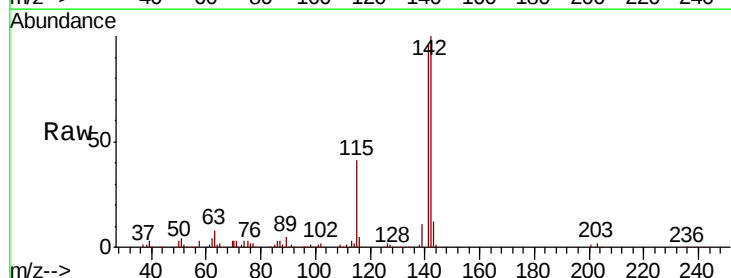
RT: 12.70 min Scan# 1636

Delta R.T. -0.00 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Tgt Ion:	142	Resp:	235434
Ion Ratio	Lower	Upper	
142	100		
141	95.8	72.3	108.5
116	4.6	3.8	5.6

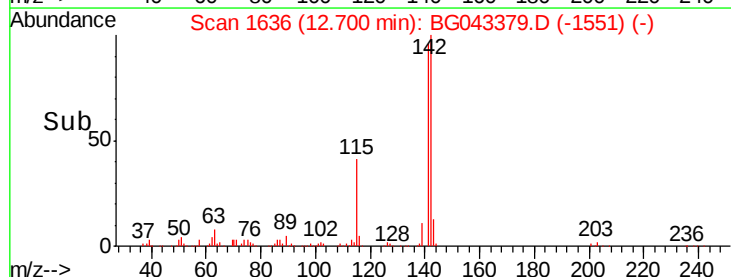
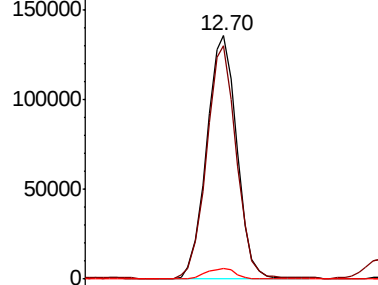


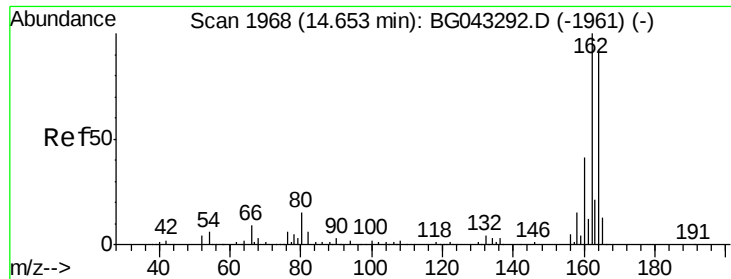
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





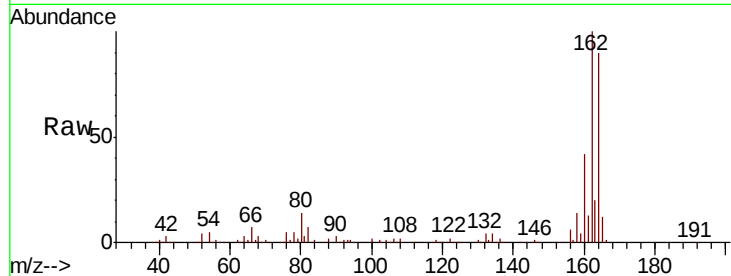
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

Tot Ion	Ratio	Lower	Upper
164	100		
162	110.6	87.0	130.4
160	45.9	35.5	53.3

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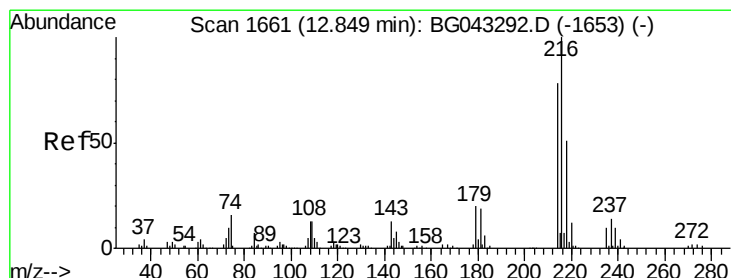
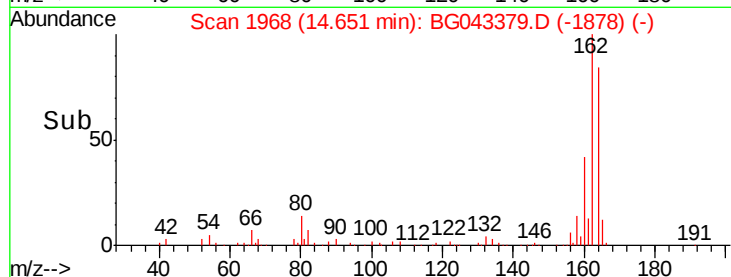
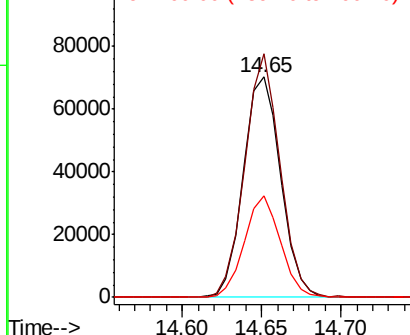


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.313 ng
RT: 12.85 min Scan# 1661
Delta R.T. -0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.5	95.3
179	20.1	16.2	24.2
108	15.8	11.2	16.8

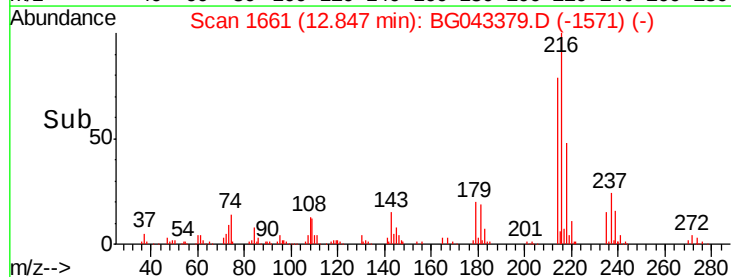
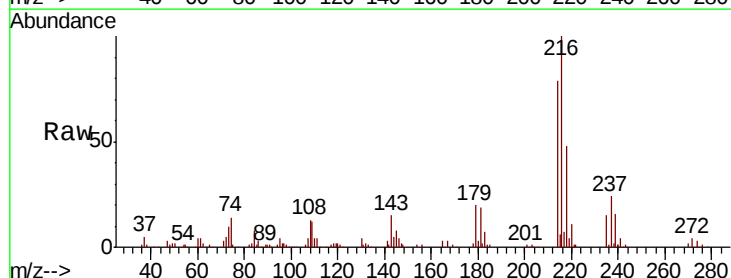
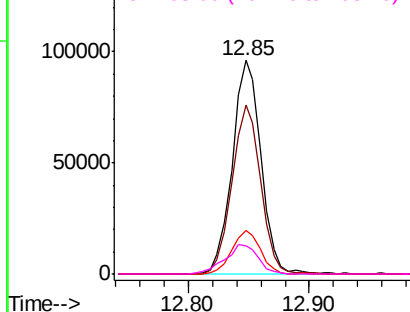
Abundance

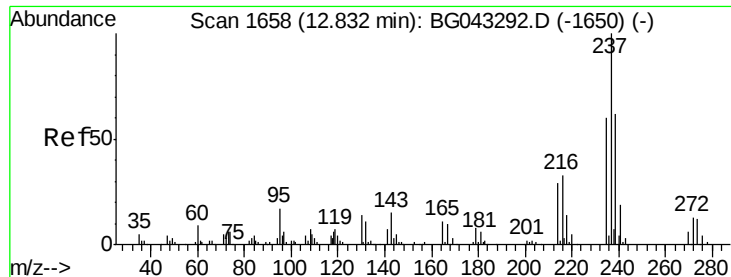
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 80.677 ng

RT: 12.83 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

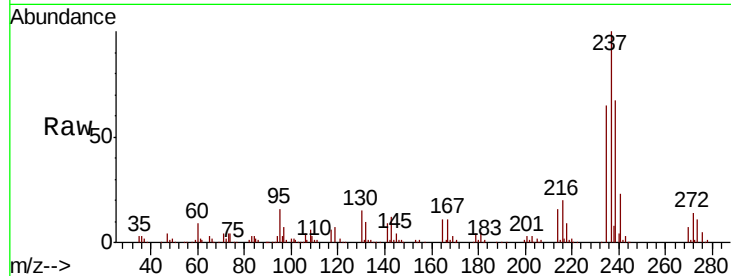
ClientSampleId :

CSA-2-1-1MS

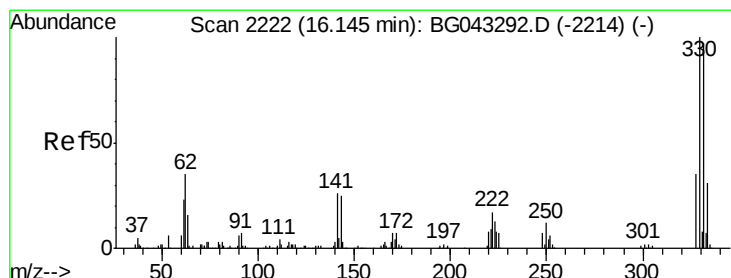
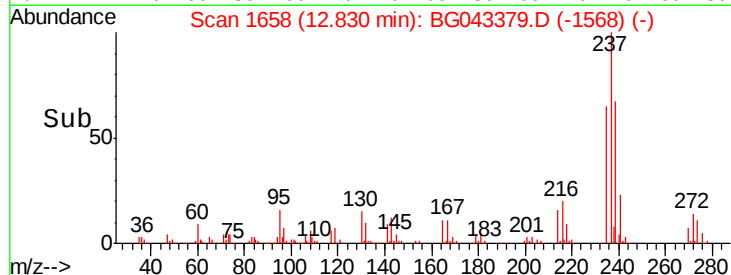
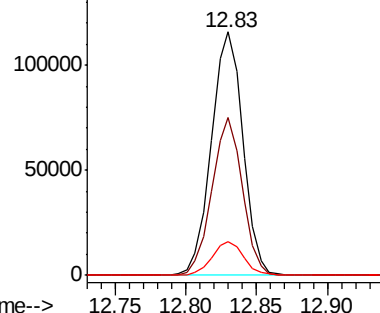
Tot Ion:	237	Resp:	180660
Ion Ratio	Lower	Upper	
237	100		
235	65.0	40.3	80.3
272	13.8	0.0	32.9

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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: 106.089 ng

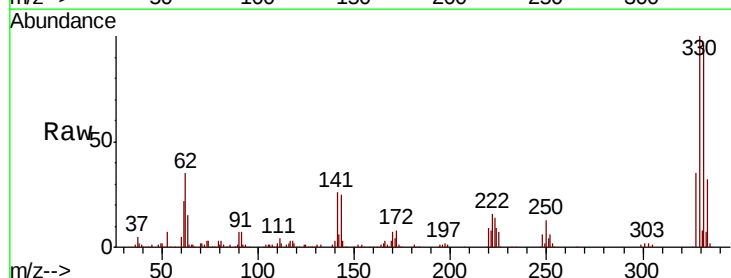
RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

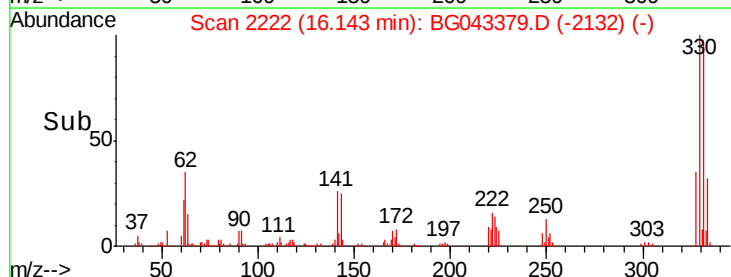
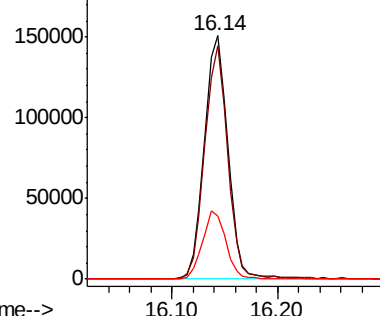
Lab File: BG043379.D

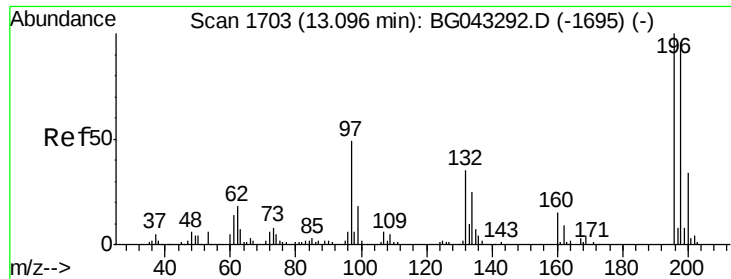
Acq: 29 Oct 2019 18:19

Tgt Ion:	330	Resp:	232544
Ion Ratio	Lower	Upper	
330	100		
332	93.8	76.4	114.6
141	27.9	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





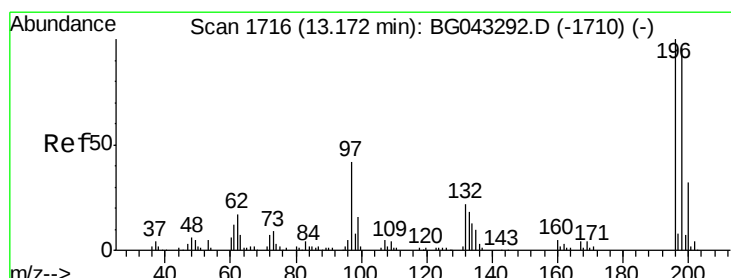
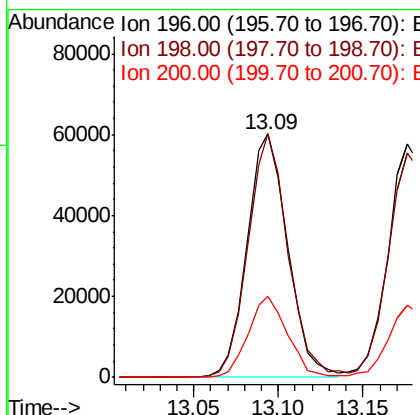
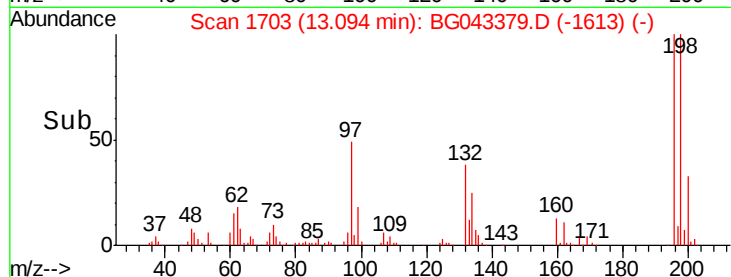
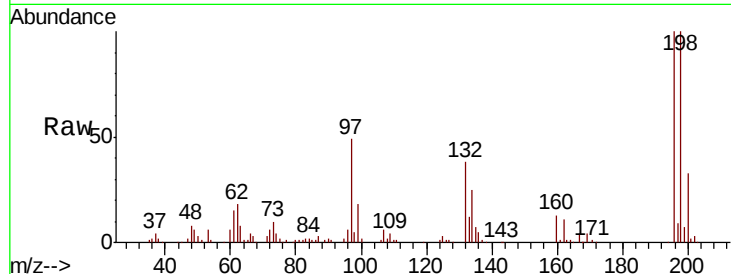
#43
 2,4,6-Trichlorophenol
 Concen: 40.118 ng
 RT: 13.09 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-1MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	100713		
198	99.8	77.0	115.4	
200	33.4	27.4	41.2	

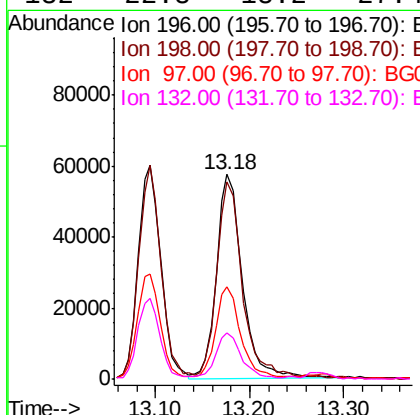
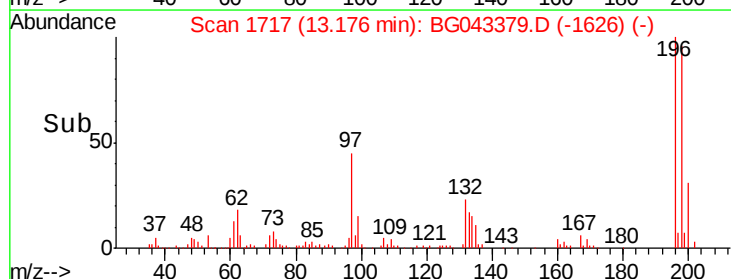
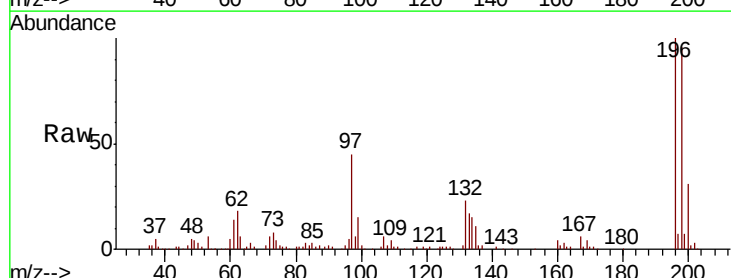
Manual Integrations
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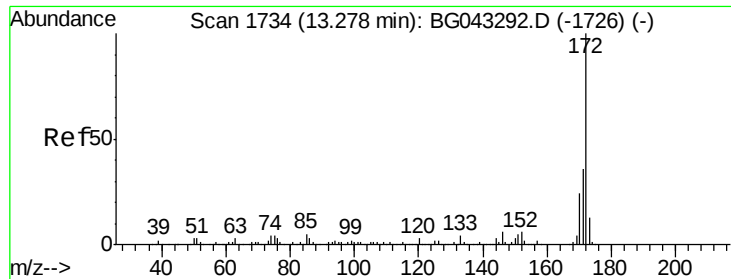
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 43.601 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	110658		
198	96.2	76.6	114.8	
97	44.9	34.1	51.1	
132	22.8	18.2	27.4	





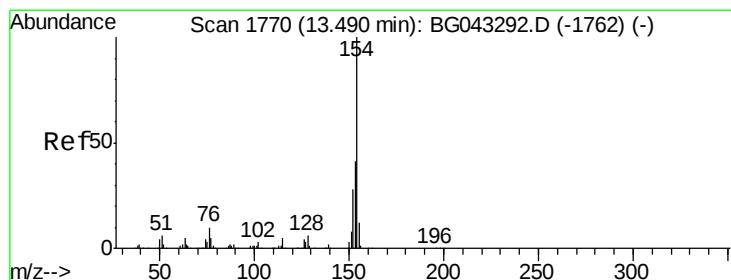
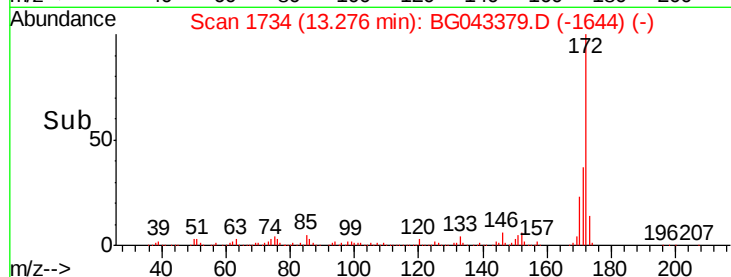
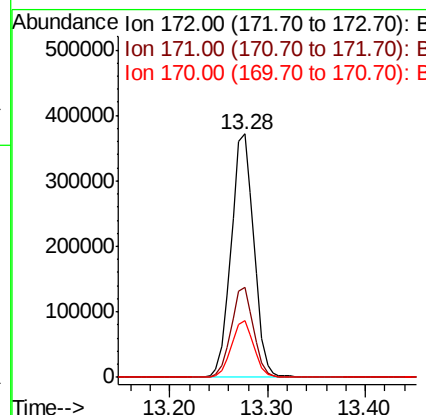
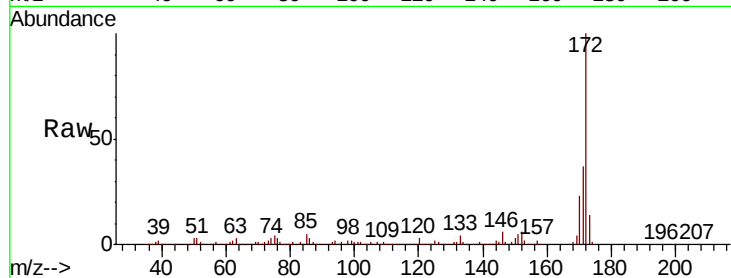
#45
2-Fluorobiphenyl
Concen: 72.187 ng
RT: 13.28 min Scan# 1734
Delta R.T. -0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.5	42.7
170	23.4	18.8	28.2

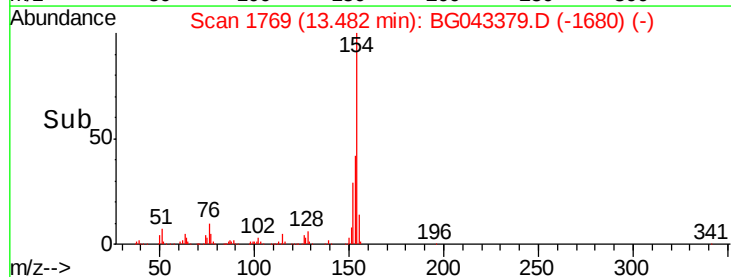
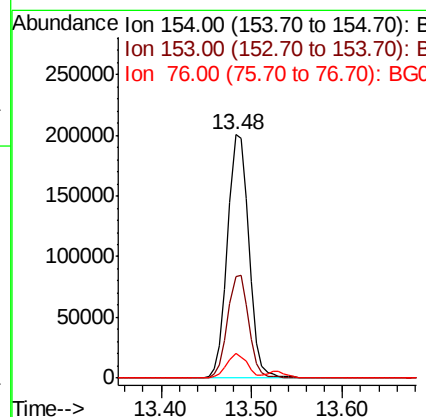
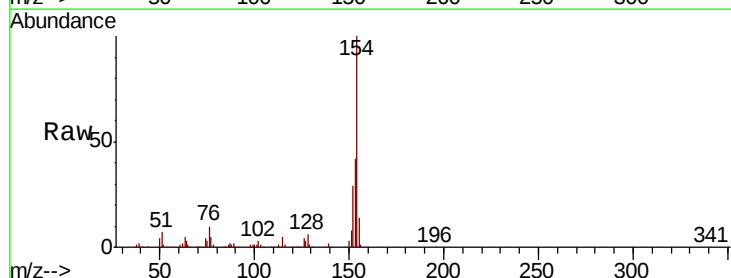
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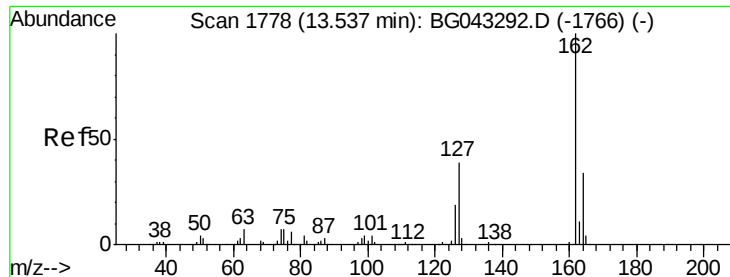
mohammad
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#46
1,1'-Biphenyl
Concen: 37.638 ng
RT: 13.48 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.0	21.0	61.0
76	10.0	0.0	29.8





#47

2-Chloronaphthalene

Concen: 37.922 ng

RT: 13.53 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

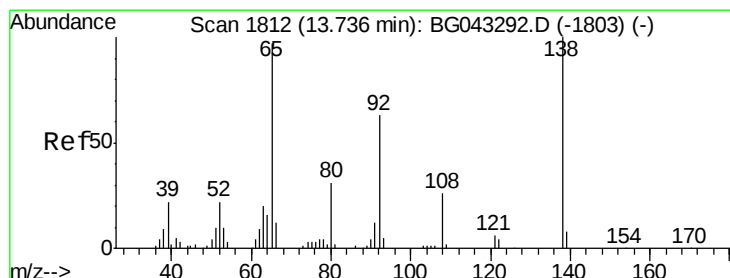
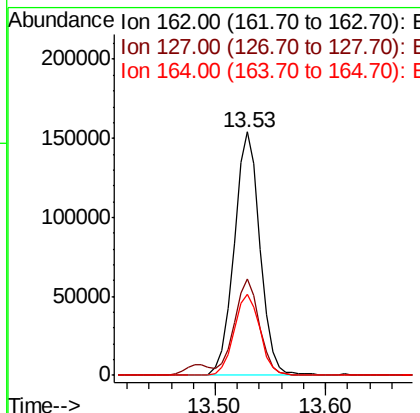
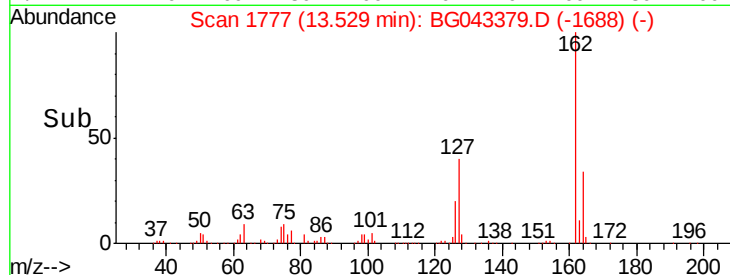
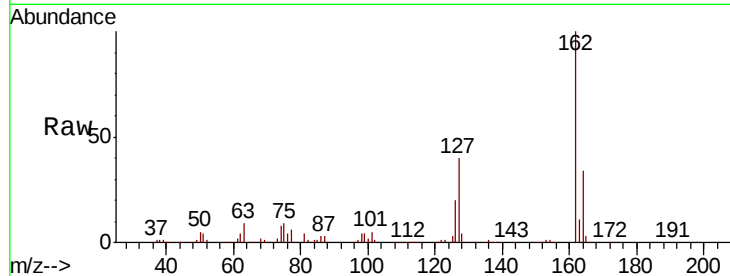
ClientSampleId :

CSA-2-1-1MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
127	39.6		31.3	46.9	
164	33.5		26.8	40.2	

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#48

2-Nitroaniline

Concen: 37.691 ng

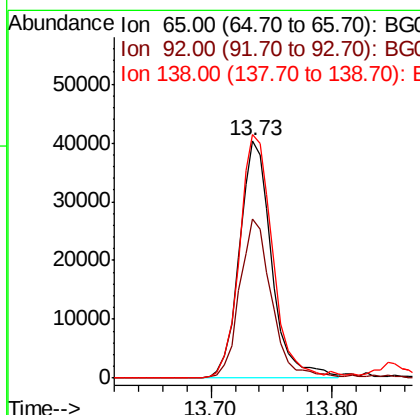
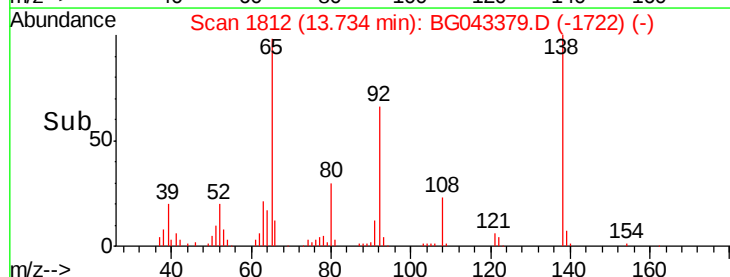
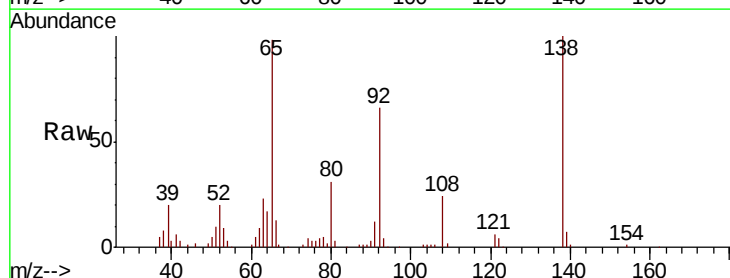
RT: 13.73 min Scan# 1812

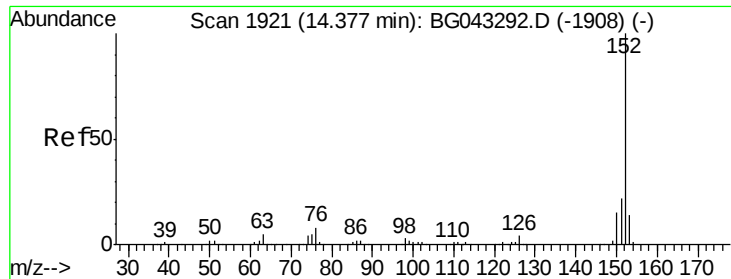
Delta R.T. -0.00 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
92	67.2		52.6	79.0	
138	102.4		82.9	124.3	





#49

Acenaphthylene

Concen: 40.427 ng

RT: 14.37 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

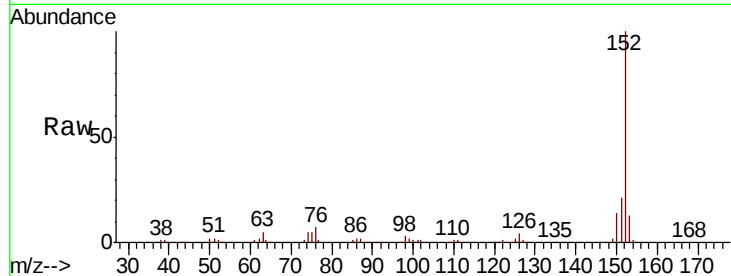
ClientSampleId :

CSA-2-1-1MS

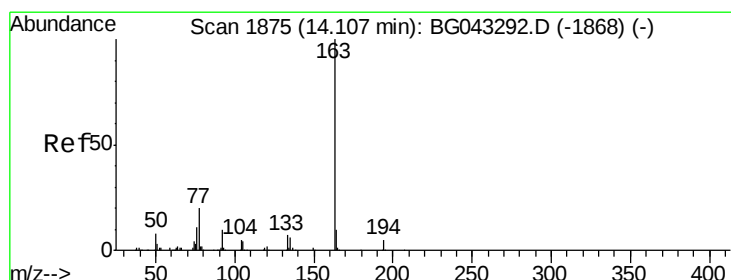
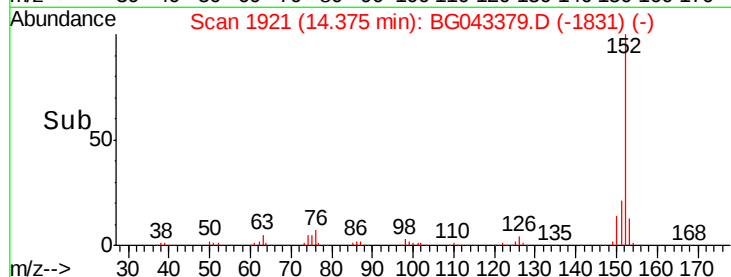
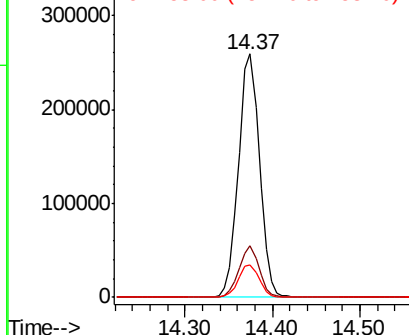
Tot Ion:	152	Resp:	419499
Ion Ratio	Lower	Upper	
152	100		
151	21.1	17.2	25.8
153	13.2	11.0	16.6

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



#50

Dimethylphthalate

Concen: 47.414 ng

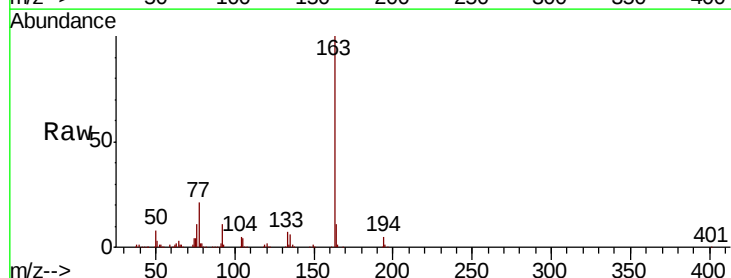
RT: 14.10 min Scan# 1875

Delta R.T. -0.00 min

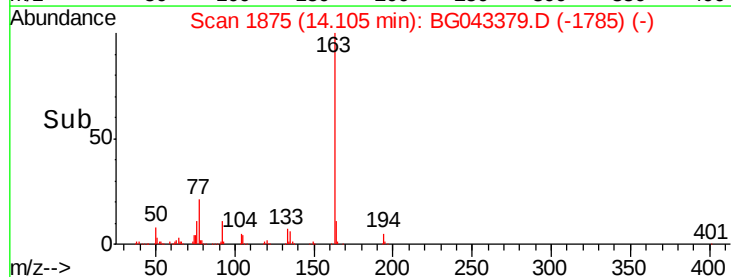
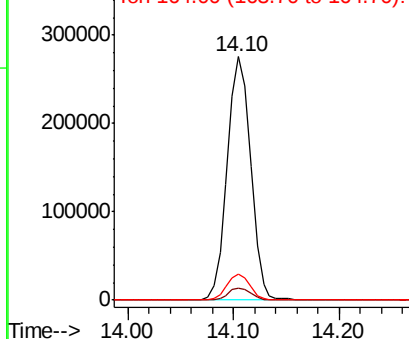
Lab File: BG043379.D

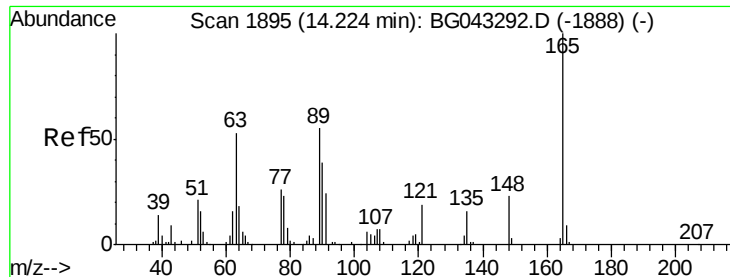
Acq: 29 Oct 2019 18:19

Tgt Ion:	163	Resp:	423020
Ion Ratio	Lower	Upper	
163	100		
194	5.0	3.7	5.5
164	10.9	8.1	12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





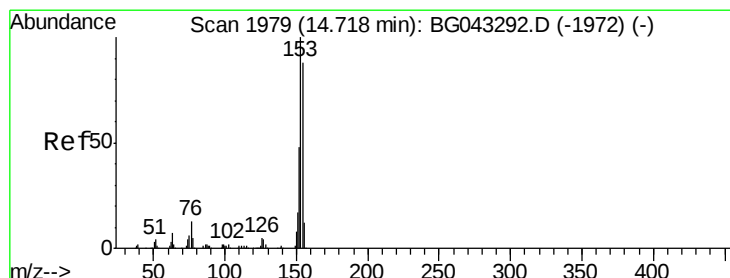
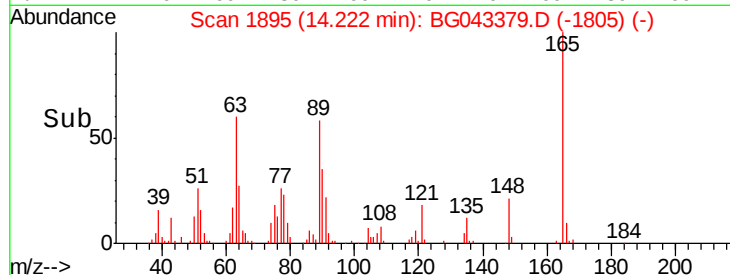
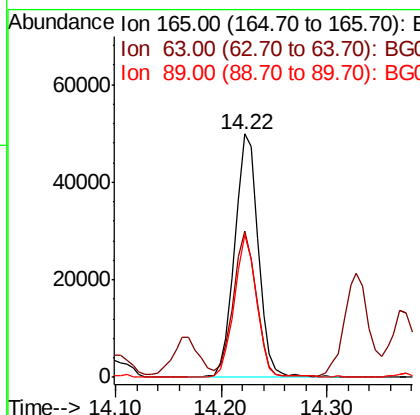
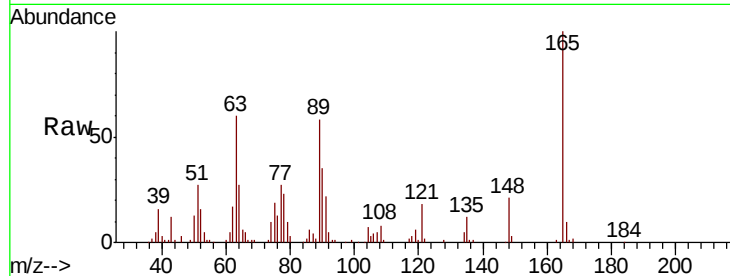
#51
 2,6-Dinitrotoluene
 Concen: 39.302 ng
 RT: 14.22 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-1MS

Tot Ion	Ratio	Lower	Upper
165	100		
63	59.9	47.1	70.7
89	58.4	43.7	65.5

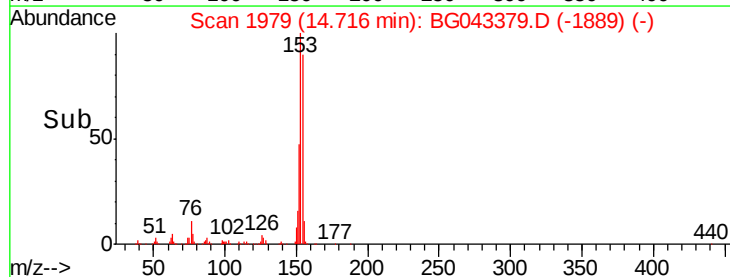
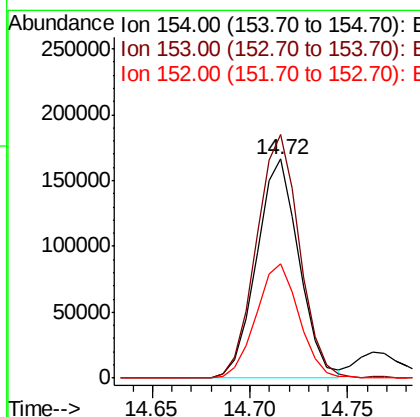
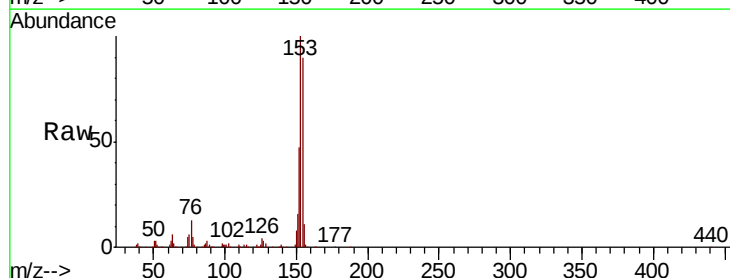
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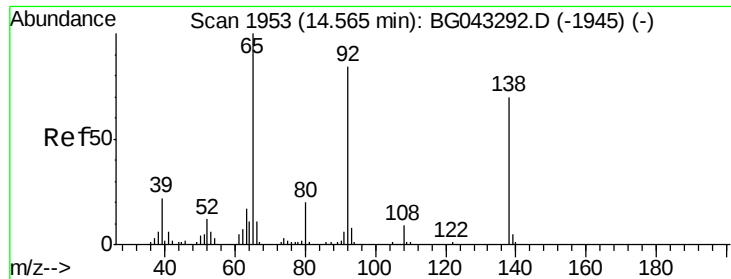
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#52
 Acenaphthene
 Concen: 39.475 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.1	90.9	136.3
152	52.1	43.9	65.9





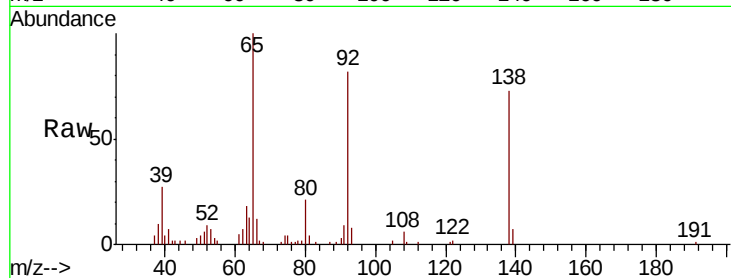
#53
 3-Nitroaniline
 Concen: 14.098 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-1MS

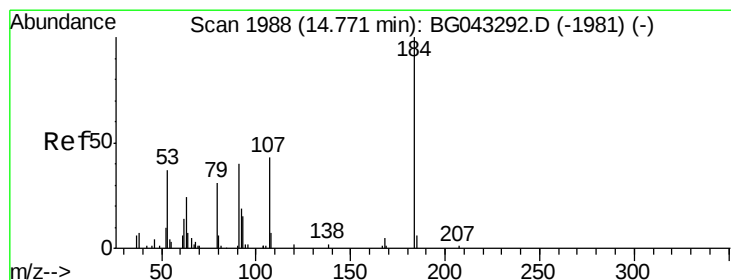
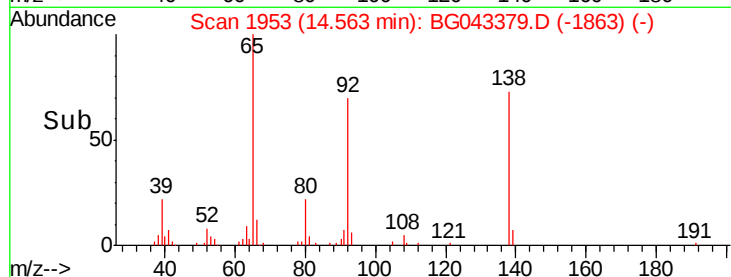
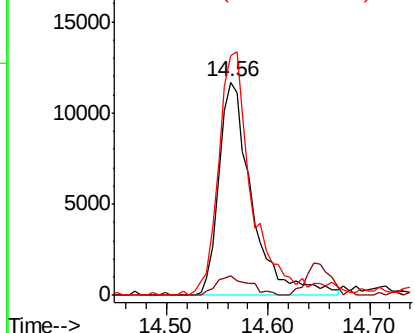
Tot Ion	Ratio	Lower	Upper
138	100		
108	8.9	9.8	14.6#
92	112.7	95.8	143.6

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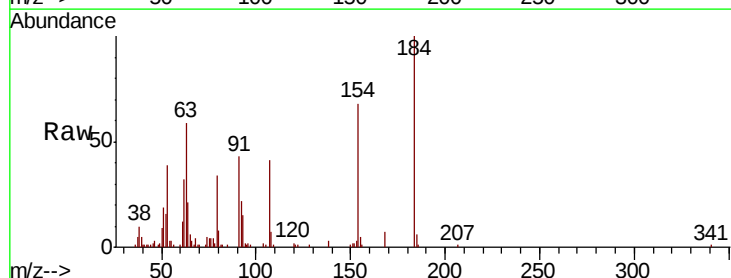


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BGC

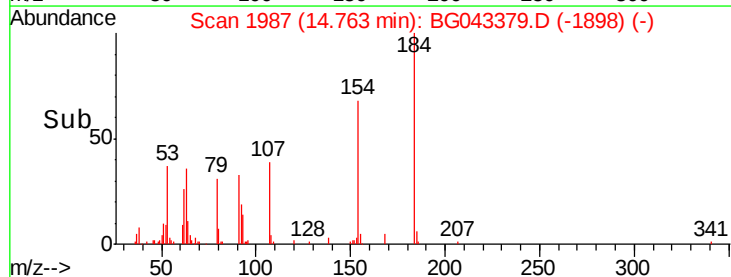
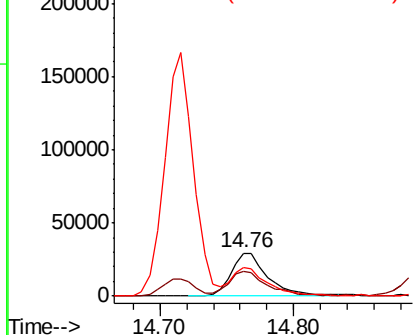


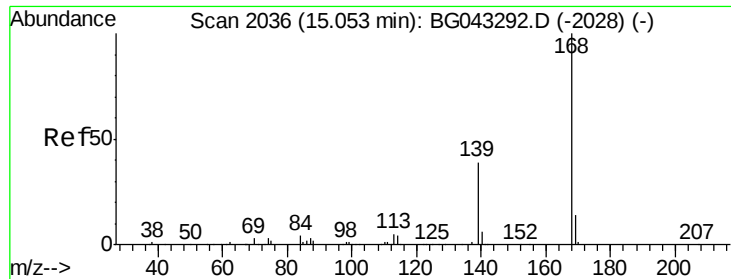
#54
 2,4-Dinitrophenol
 Concen: 49.393 ng
 RT: 14.76 min Scan# 1987
 Delta R.T. -0.01 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
184	100		
63	58.8	48.8	73.2
154	67.7	49.4	74.0



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E





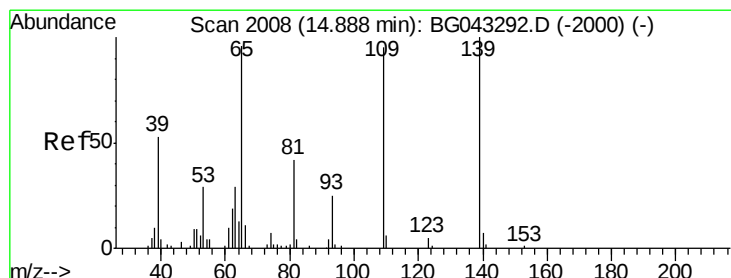
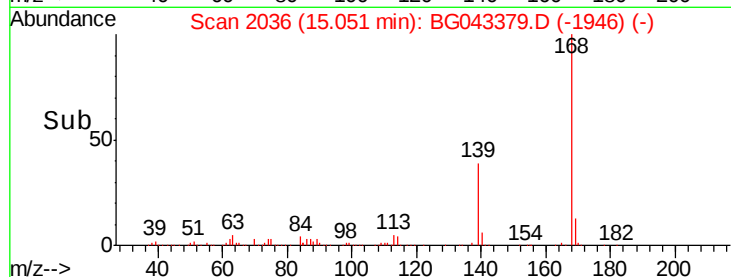
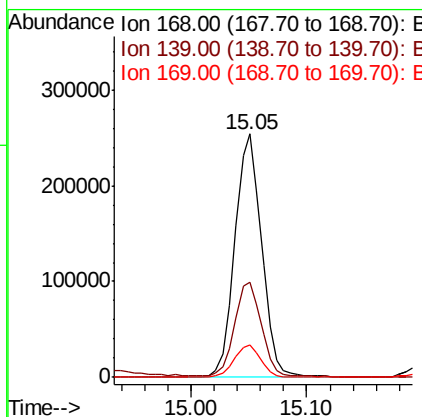
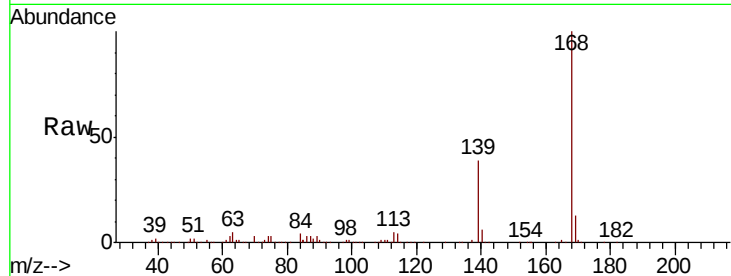
#55
Dibenzenofuran
Concen: 39.782 ng
RT: 15.05 min Scan# 2036
Delta R.T. -0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.0	31.7	47.5
169	13.4	11.0	16.4

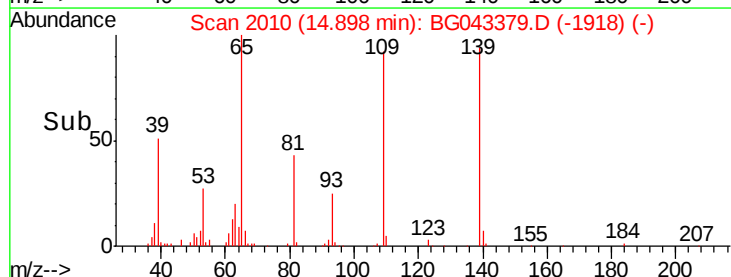
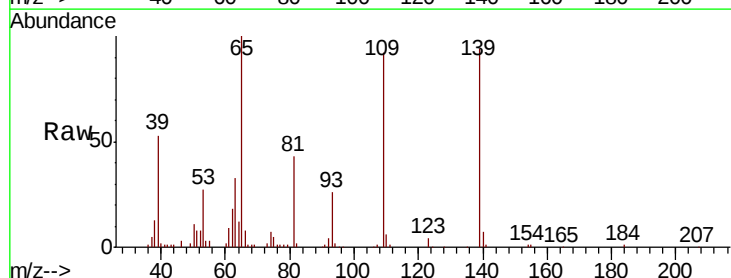
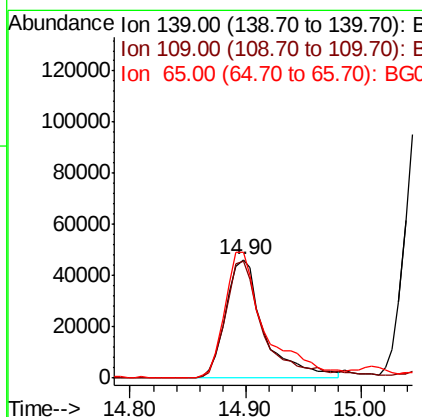
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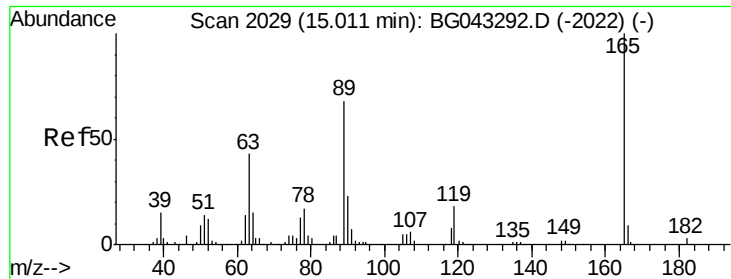
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#56
4-Nitrophenol
Concen: 85.296 ng
RT: 14.90 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
139	100		
109	97.9	75.4	115.4
65	106.0	76.6	116.6





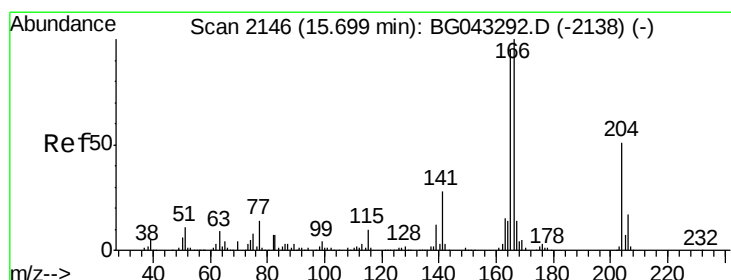
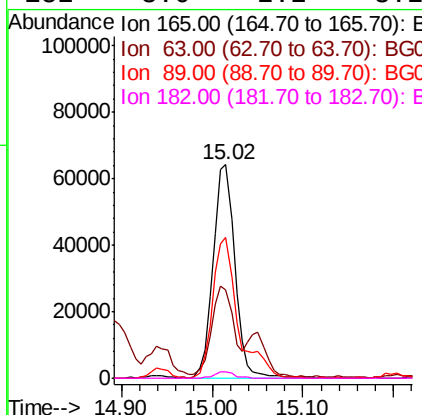
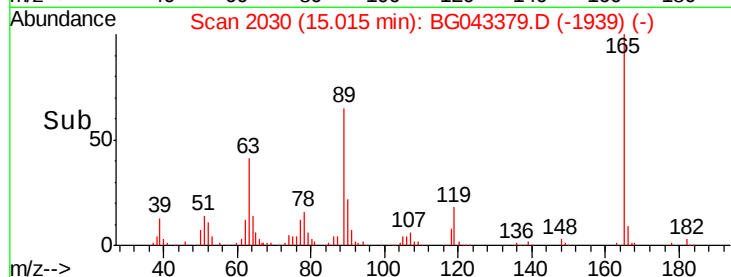
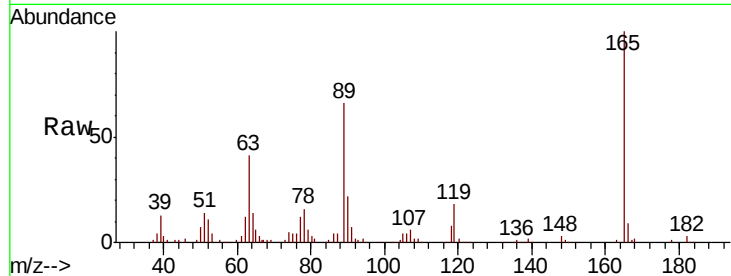
#57
2,4-Dinitrotoluene
Concen: 38.742 ng
RT: 15.02 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-IMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100				
63	41.4		35.0	52.6	
89	65.8		54.1	81.1	
182	3.0		2.2	3.2	

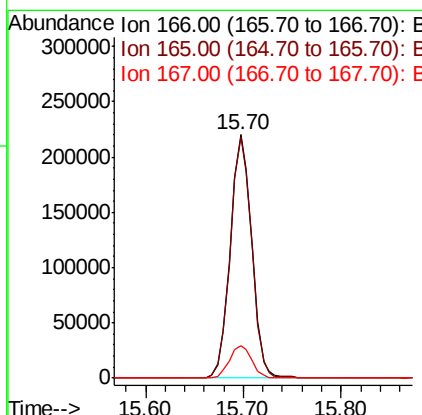
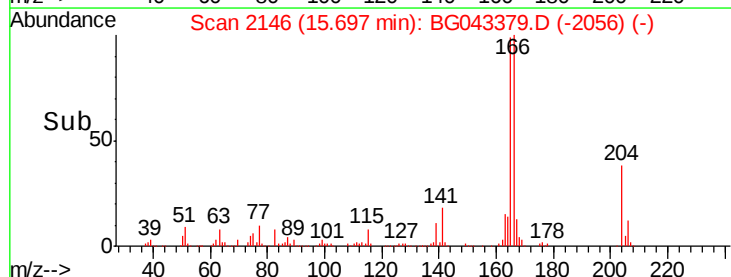
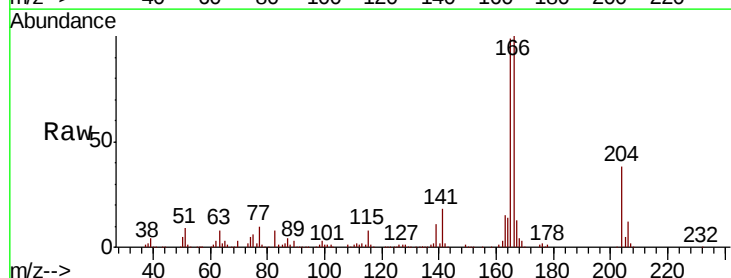
Manual Integrations
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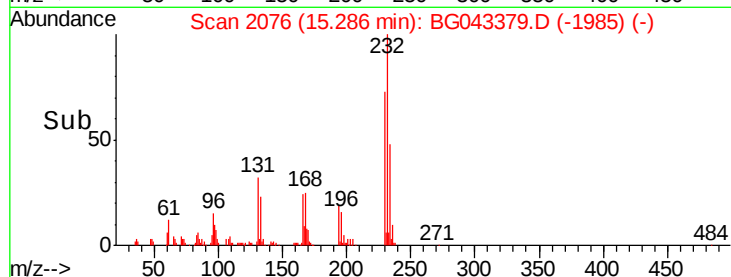
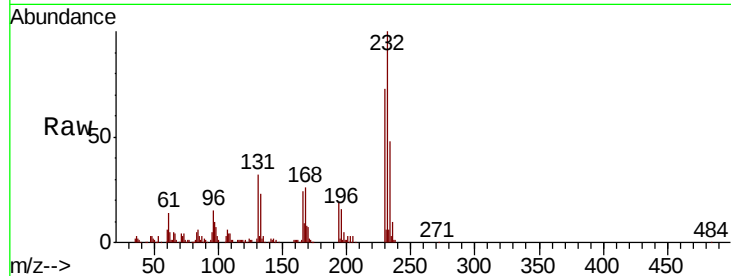
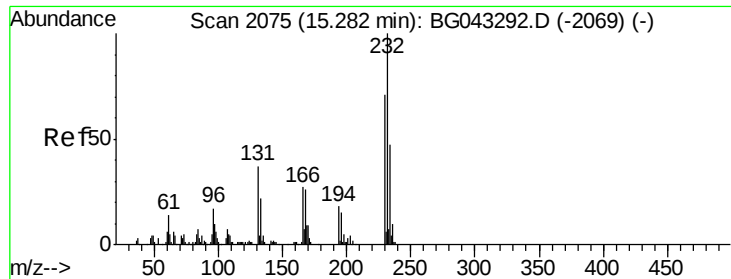
mohammad
10/30/2019 4:54:30 PM



#58
Fluorene
Concen: 39.036 ng
RT: 15.70 min Scan# 2146
Delta R.T. -0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	98.8		76.4	114.6	
167	13.2		11.1	16.7	





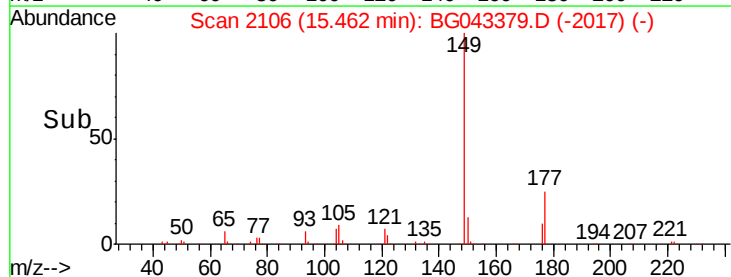
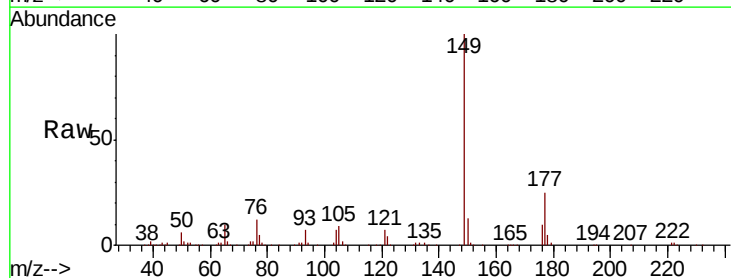
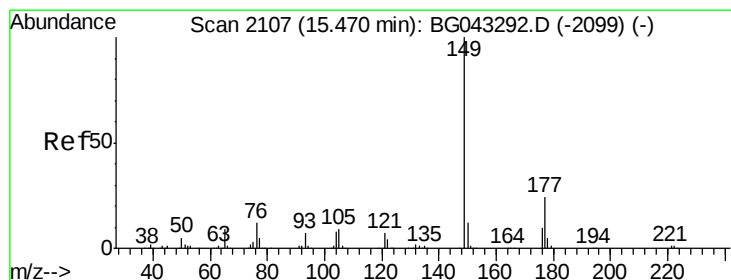
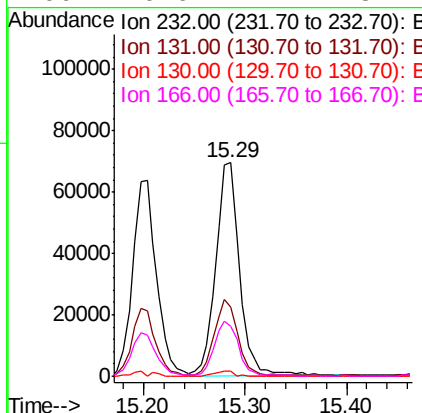
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.942 ng
RT: 15.29 min Scan# 2076
Delta R.T. 0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

Tot Ion	Ratio	Resp	Lower	Upper
232	100			
131	35.2	28.7	43.1	
130	1.9	0.6	0.8	
166	26.6	21.1	31.7	

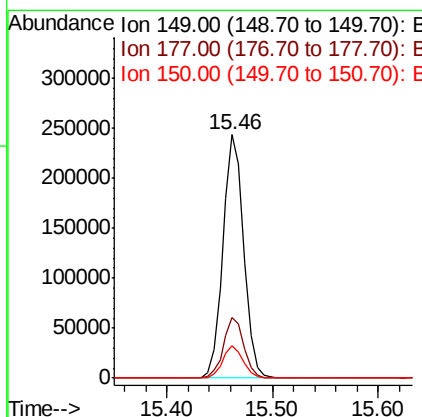
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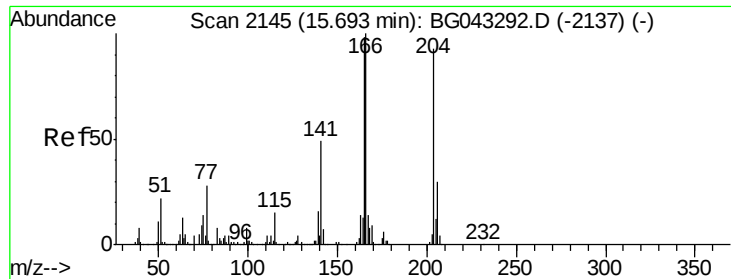
mohammad
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#60
Diethylphthalate
Concen: 36.982 ng
RT: 15.46 min Scan# 2106
Delta R.T. -0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
177	24.7	19.0	28.4	
150	13.2	9.4	14.0	





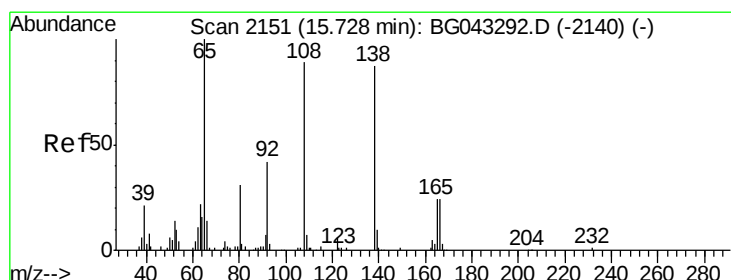
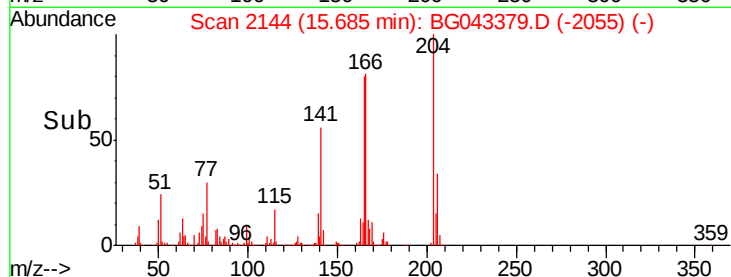
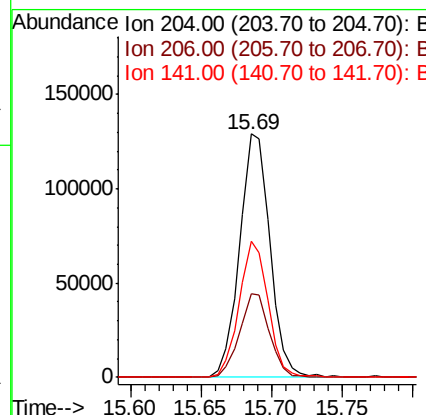
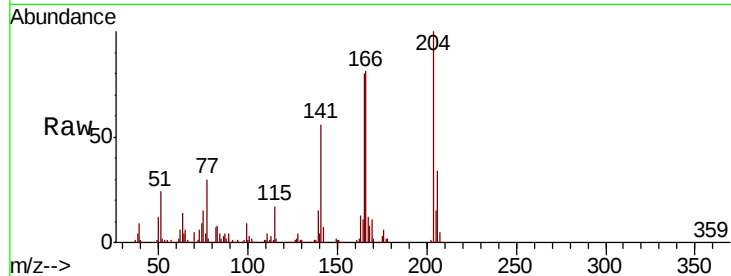
#61
4-Chlorophenyl-phenylether
Concen: 38.532 ng
RT: 15.69 min Scan# 2144
Delta R.T. -0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.4	25.7	38.5
141	55.8	42.3	63.5

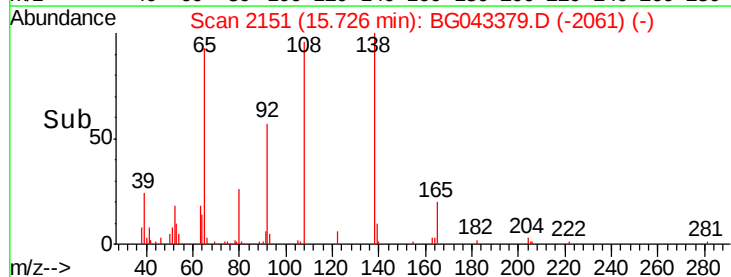
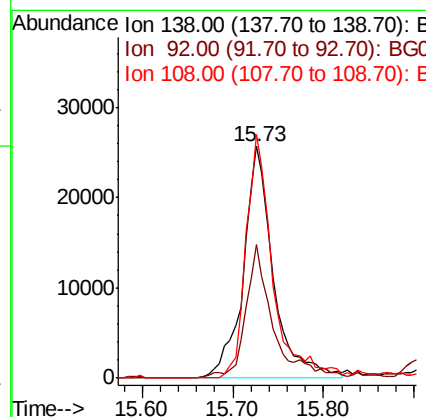
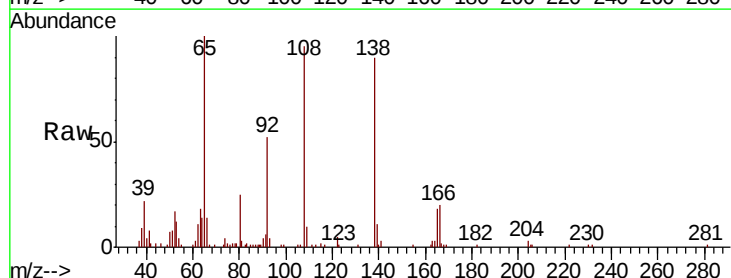
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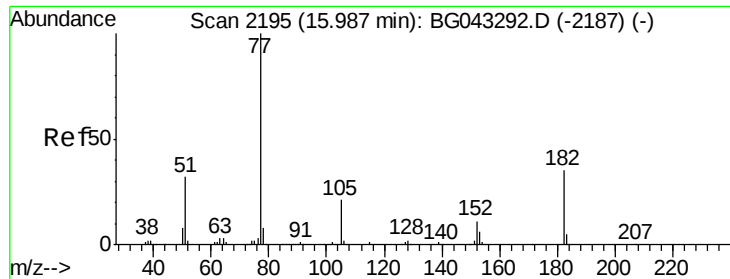
mohammad
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#62
4-Nitroaniline
Concen: 30.655 ng
RT: 15.73 min Scan# 2151
Delta R.T. -0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
138	100		
92	57.9	28.8	68.8
108	105.0	82.7	122.7





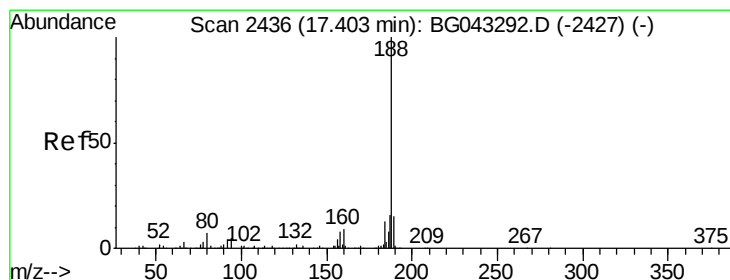
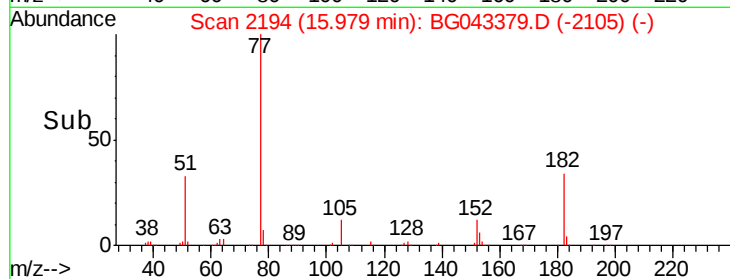
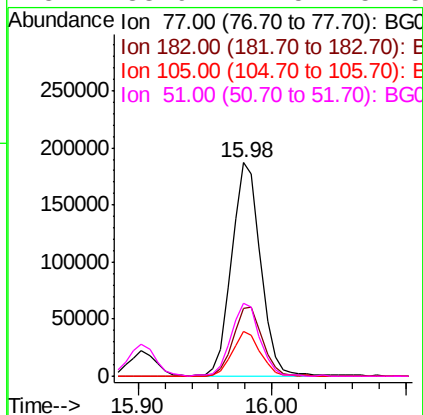
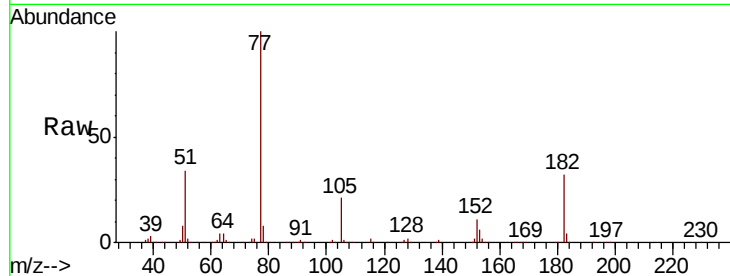
#63
Azobenzene
Concen: 38.917 ng
RT: 15.98 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

Tot Ion	Ratio	Resp	Lower	Upper
77	100	282349		
182	32.1	14.9	54.9	
105	20.7	0.6	40.6	
51	33.9	12.5	52.5	

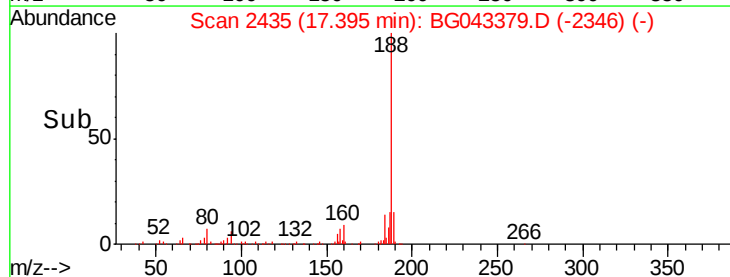
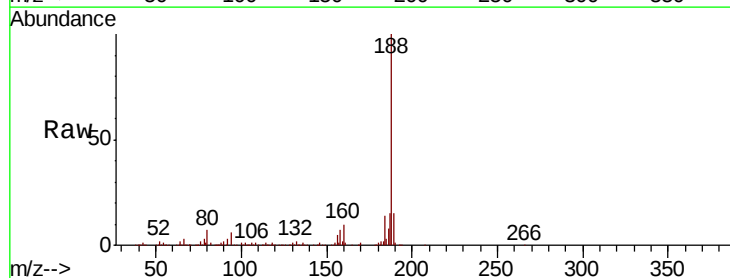
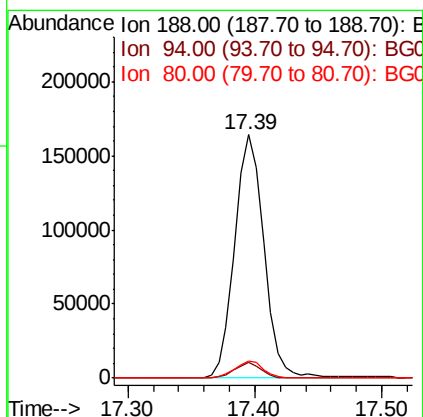
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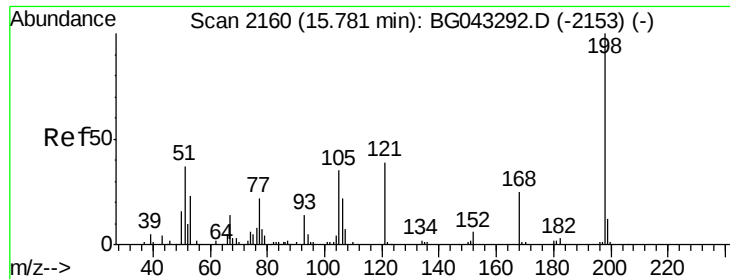
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.39 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	262772		
94	6.3	4.2	6.2#	
80	7.0	5.2	7.8	





#65

4,6-Dinitro-2-methylphenol

Concen: 32.578 ng

RT: 15.78 min Scan# 2160

Delta R.T. -0.00 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

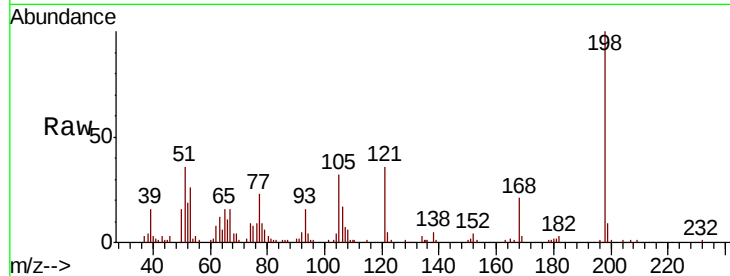
ClientSampleId :

CSA-2-1-1MS

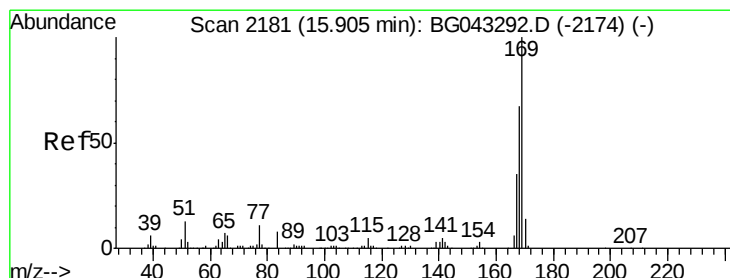
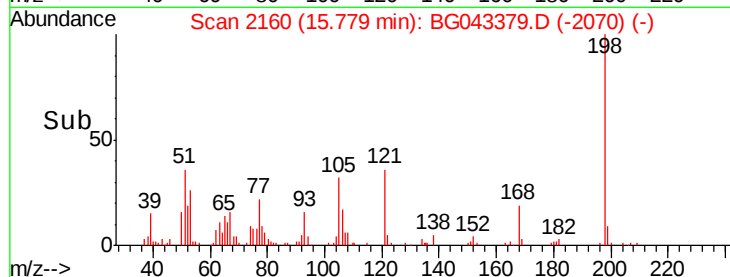
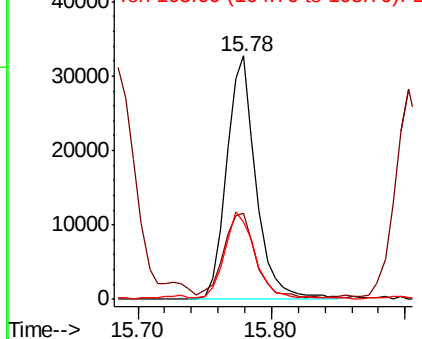
Tot Ion:	198	Resp:	50379
Ion Ratio	Lower	Upper	
198	100		
51	35.5	21.4	61.4
105	31.9	16.5	56.5

Manual Integrations
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Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 41.034 ng

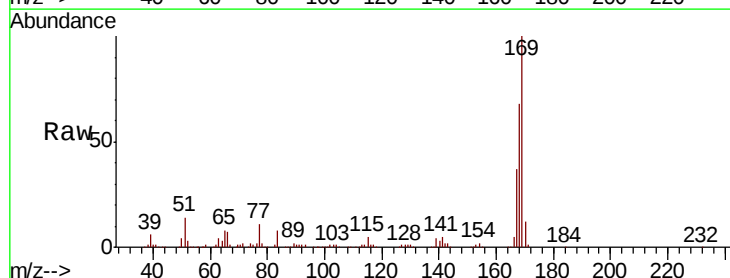
RT: 15.90 min Scan# 2181

Delta R.T. -0.00 min

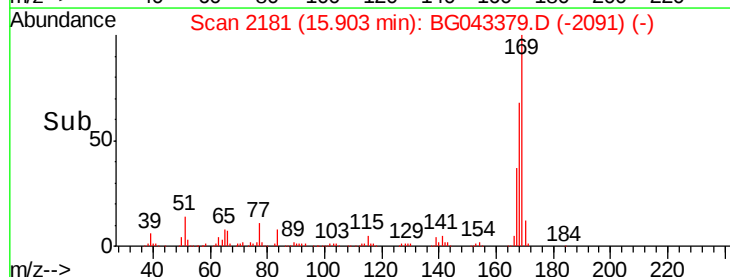
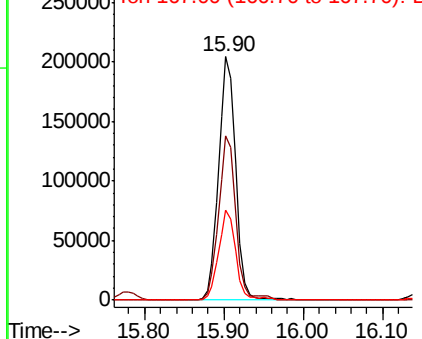
Lab File: BG043379.D

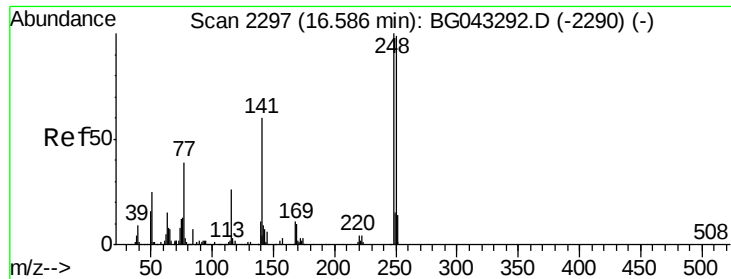
Acq: 29 Oct 2019 18:19

Tgt Ion:	169	Resp:	304424
Ion Ratio	Lower	Upper	
169	100		
168	67.6	53.9	80.9
167	36.8	28.3	42.5



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





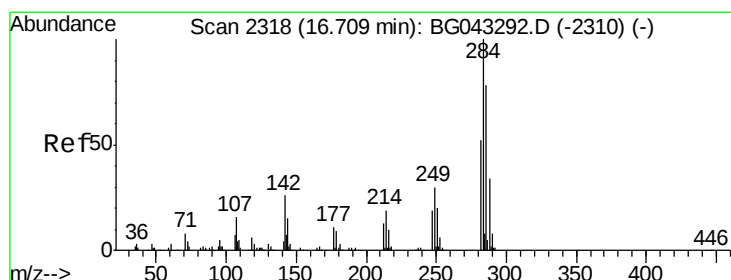
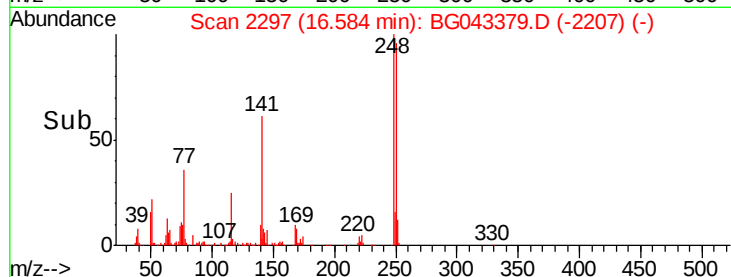
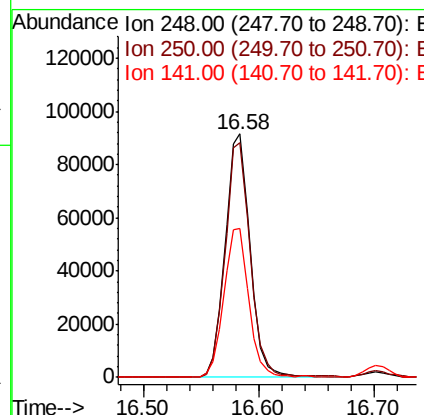
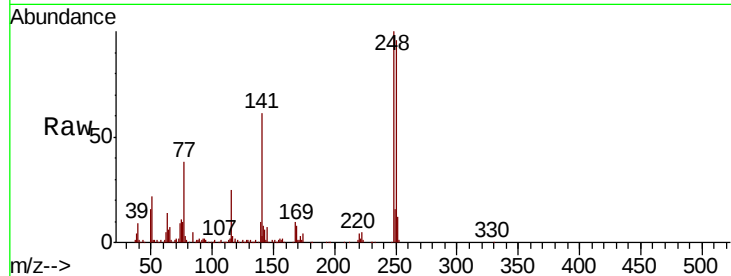
#67
 4-Bromophenyl-phenylether
 Concen: 38.555 ng
 RT: 16.58 min Scan# 2297
 Delta R.T. -0.00 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-IMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.5	79.3	118.9
141	61.4	47.9	71.9

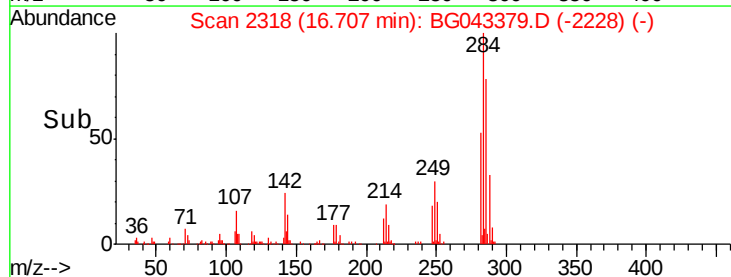
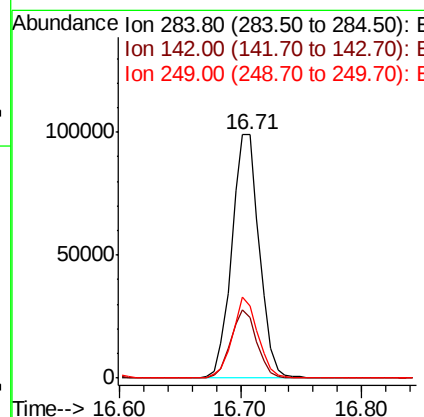
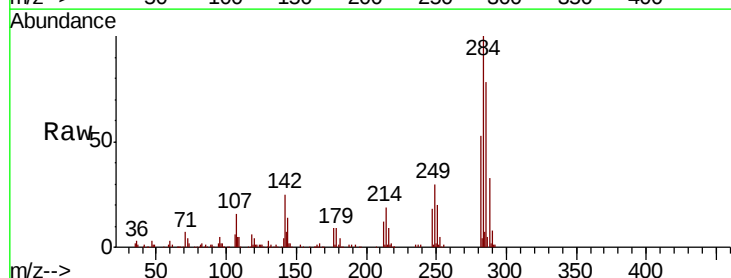
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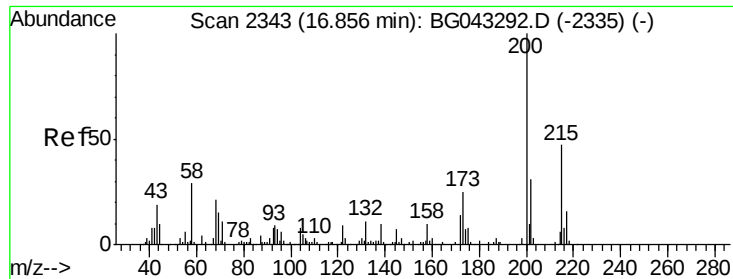
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#68
 Hexachlorobenzene
 Concen: 38.469 ng
 RT: 16.71 min Scan# 2318
 Delta R.T. -0.00 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
284	100		
142	24.7	21.1	31.7
249	29.8	24.4	36.6





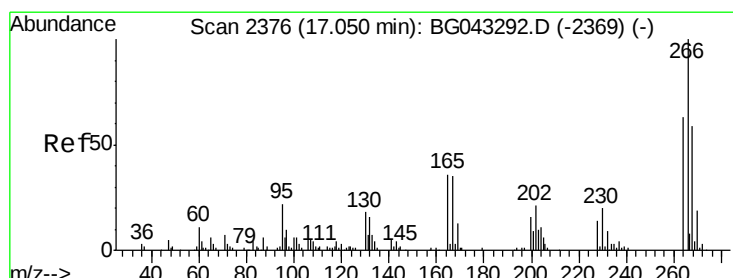
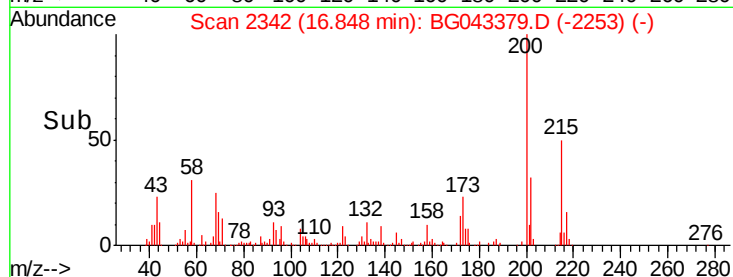
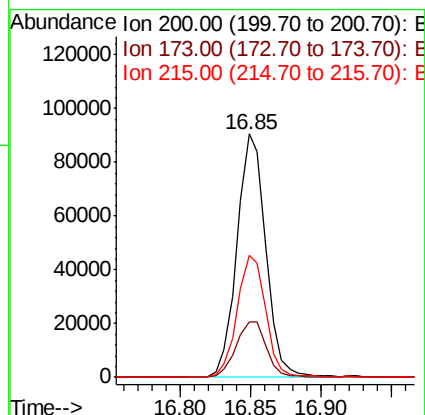
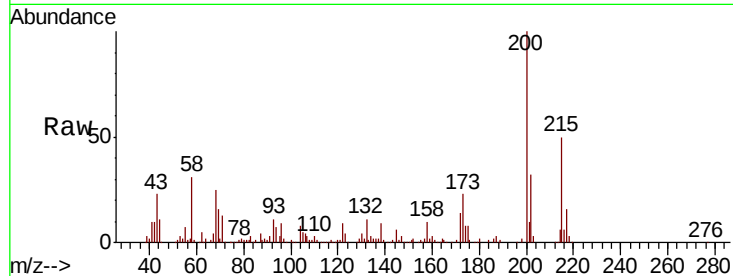
#69
Atrazine
Concen: 49.929 ng
RT: 16.85 min Scan# 2342
Delta R.T. -0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	22.6	5.1	45.1
215	50.3	26.6	66.6

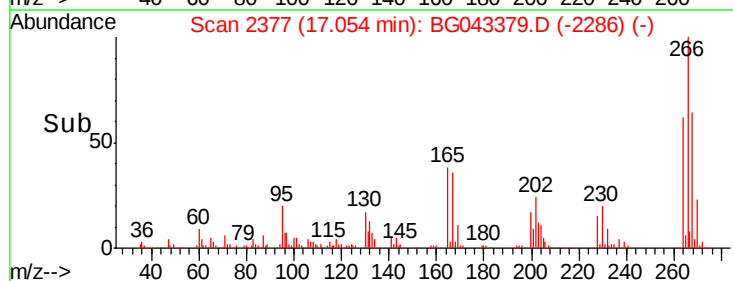
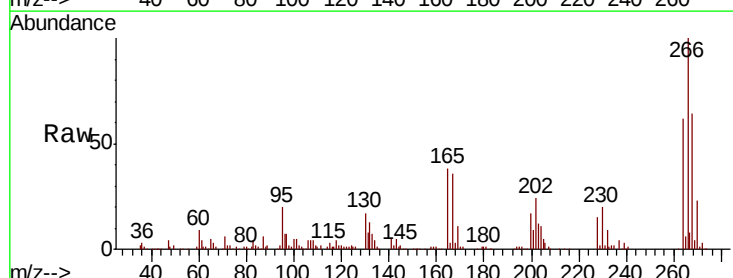
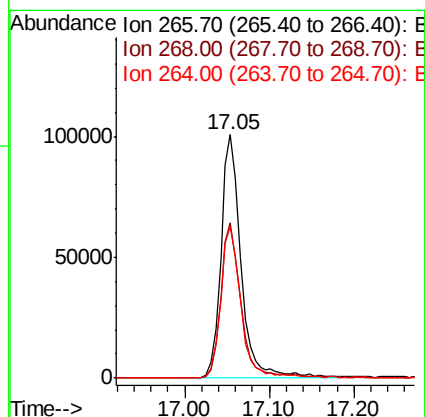
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#70
Pentachlorophenol
Concen: 90.931 ng
RT: 17.05 min Scan# 2377
Delta R.T. 0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	63.9	47.1	70.7
264	62.1	50.4	75.6





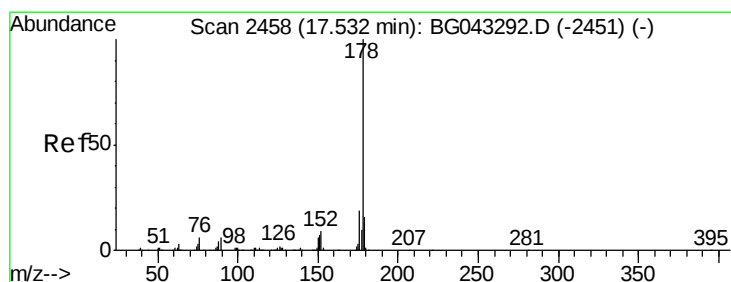
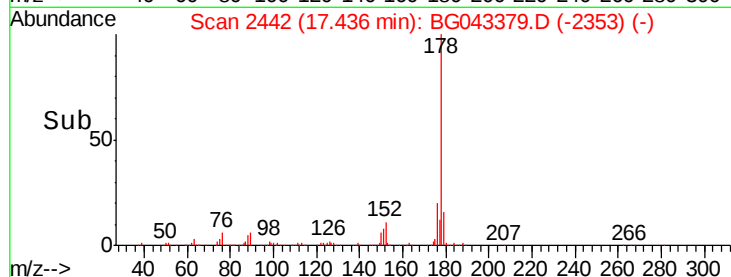
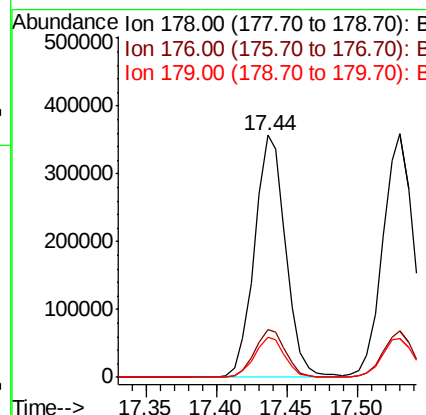
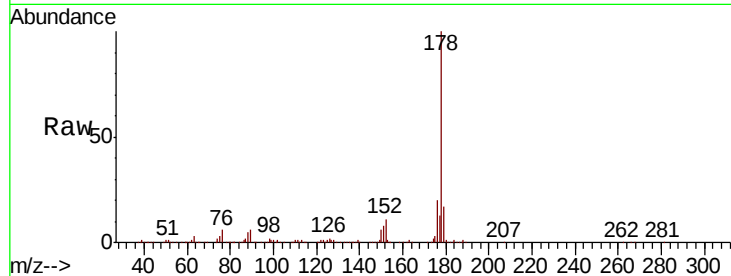
#71
Phenanthrene
Concen: 41.143 ng
RT: 17.44 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	16.6	13.1	19.7

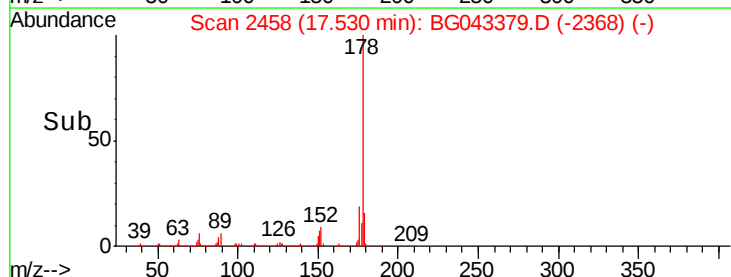
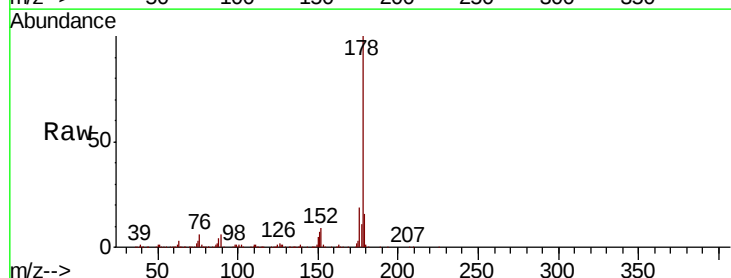
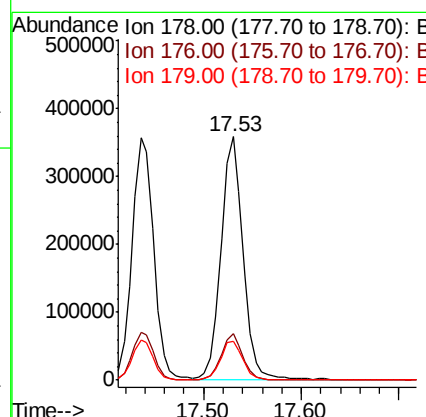
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#72
Anthracene
Concen: 41.658 ng
RT: 17.53 min Scan# 2458
Delta R.T. -0.00 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	16.1	13.0	19.6





#73

Carbazole

Concen: 40.353 ng

RT: 17.80 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

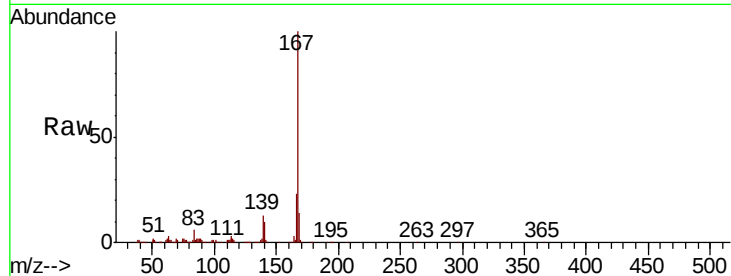
ClientSampleId :

CSA-2-1-1MS

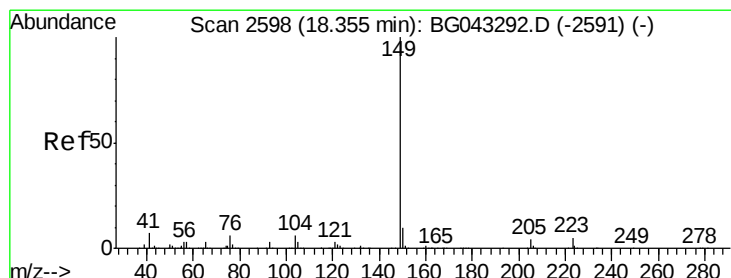
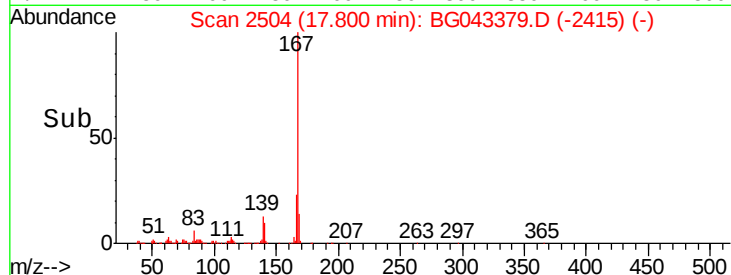
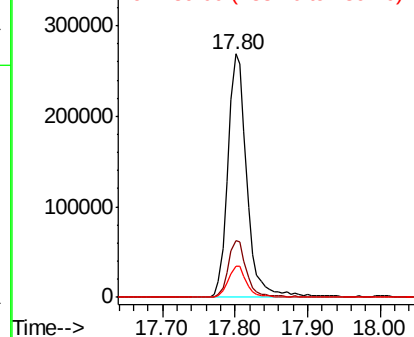
Tot Ion:	167	Resp:	491966
Ion Ratio	Lower	Upper	
167	100		
166	23.2	18.4	27.6
139	13.0	10.2	15.4

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



#74

Di-n-butylphthalate

Concen: 39.538 ng

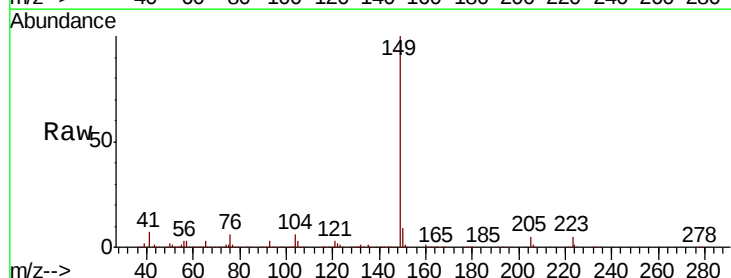
RT: 18.35 min Scan# 2598

Delta R.T. -0.00 min

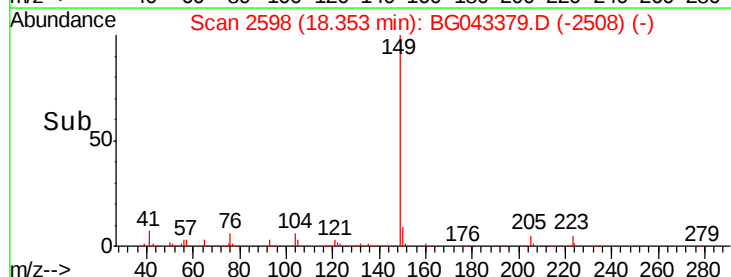
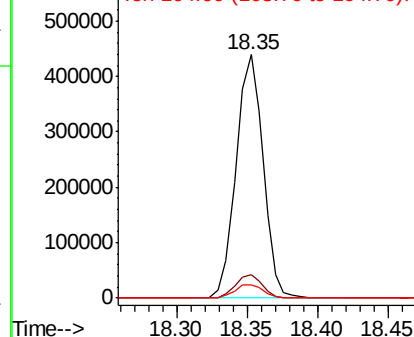
Lab File: BG043379.D

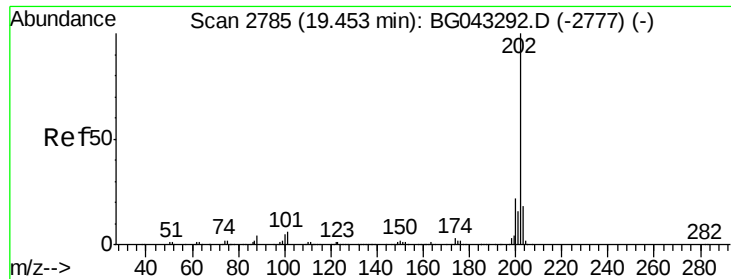
Acq: 29 Oct 2019 18:19

Tgt Ion:	149	Resp:	584876
Ion Ratio	Lower	Upper	
149	100		
150	9.4	8.0	12.0
104	5.7	4.7	7.1



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: 41.852 ng

RT: 19.45 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

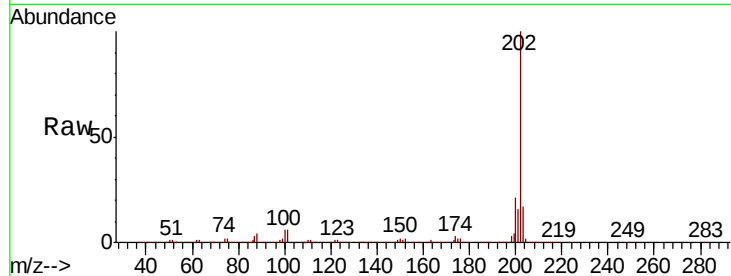
ClientSampleId :

CSA-2-1-1MS

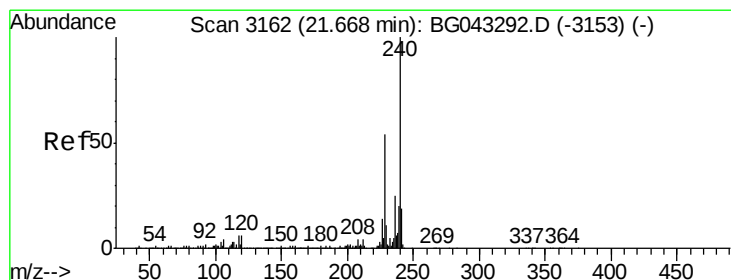
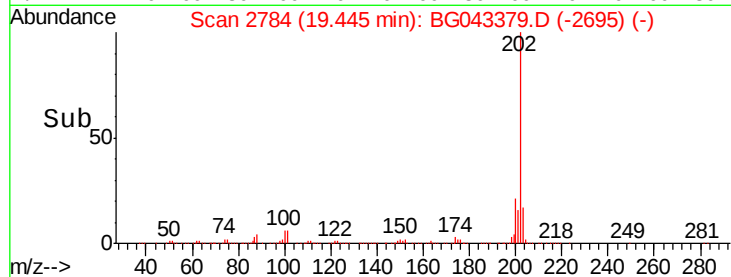
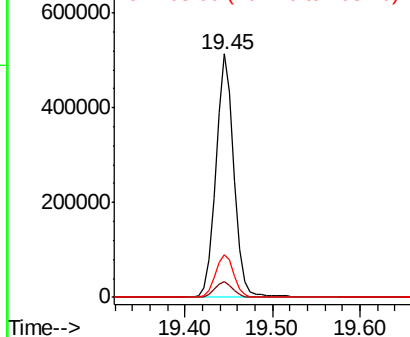
Tot Ion:	202	Resp:	734187
Ion Ratio	Lower	Upper	
202	100		
101	6.3	0.0	26.0
203	17.5	0.0	38.2

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

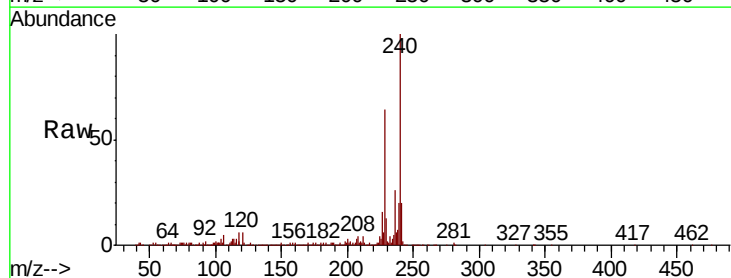
RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

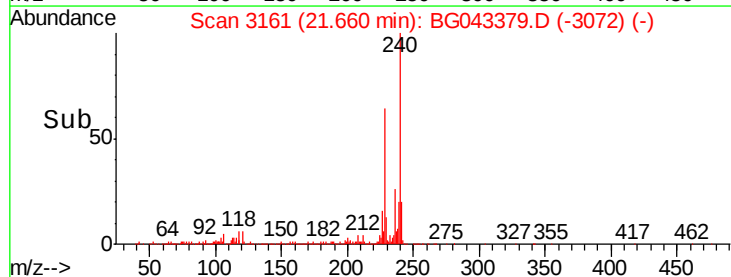
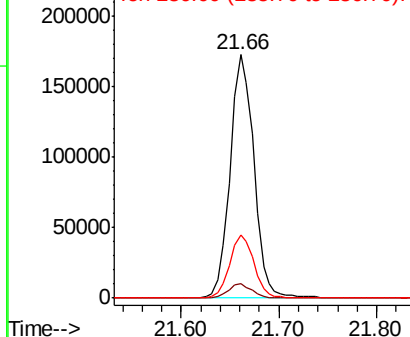
Lab File: BG043379.D

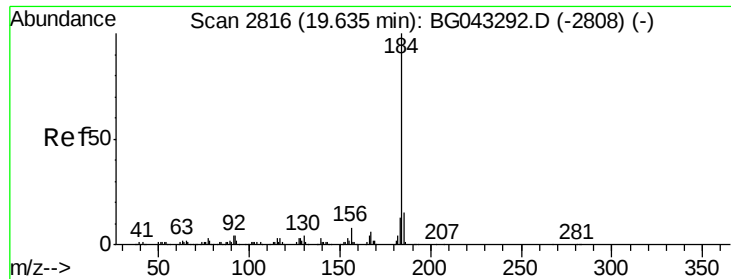
Acq: 29 Oct 2019 18:19

Tgt Ion:	240	Resp:	292419
Ion Ratio	Lower	Upper	
240	100		
120	5.9	4.6	7.0
236	25.7	20.2	30.4



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: 37.254 ng

RT: 19.63 min Scan# 2815

Delta R.T. -0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

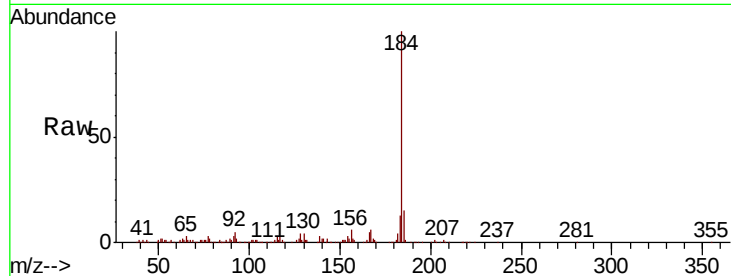
ClientSampleId :

CSA-2-1-1MS

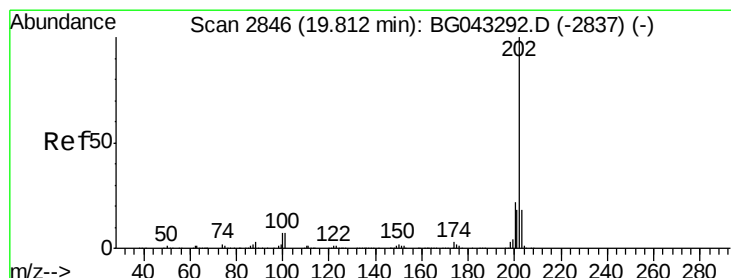
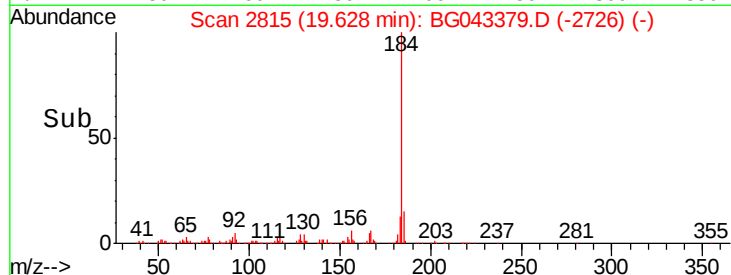
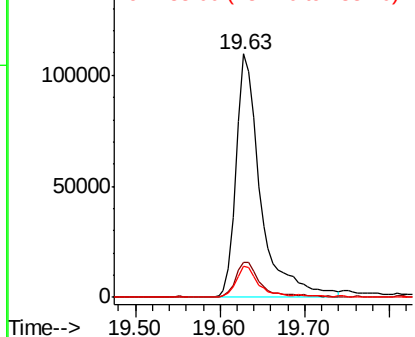
Tot Ion:	184	Resp:	219239
Ion Ratio	Lower	Upper	
184	100		
185	14.5	11.8	17.6
183	12.8	10.6	16.0

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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: 40.430 ng

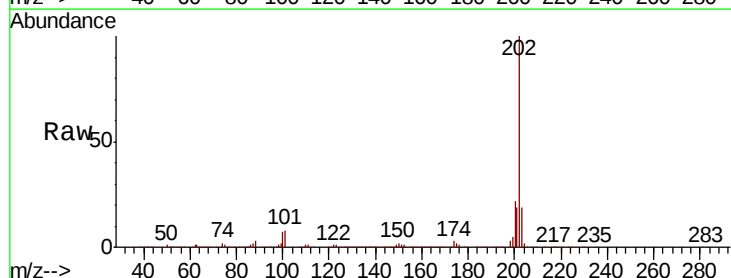
RT: 19.80 min Scan# 2845

Delta R.T. -0.01 min

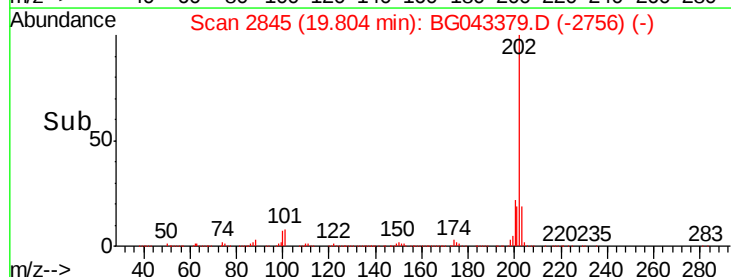
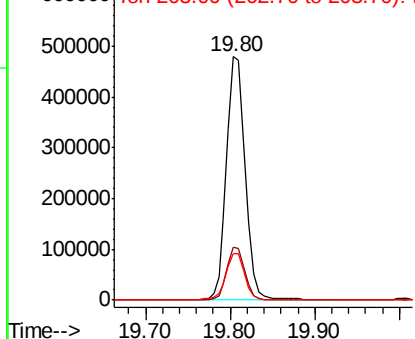
Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Tgt Ion:	202	Resp:	731796
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.3	25.9
203	19.0	14.5	21.7



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





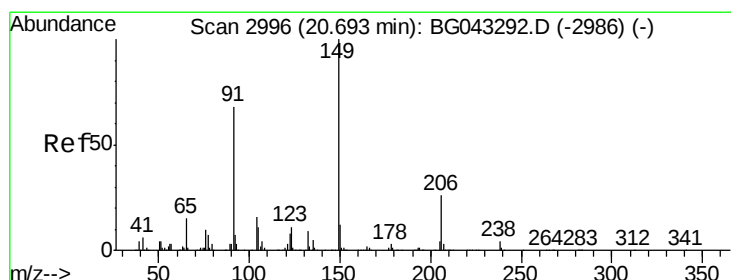
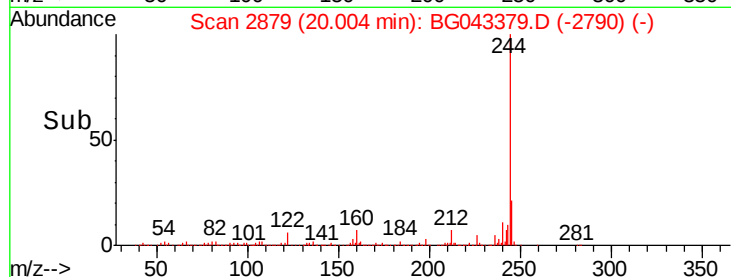
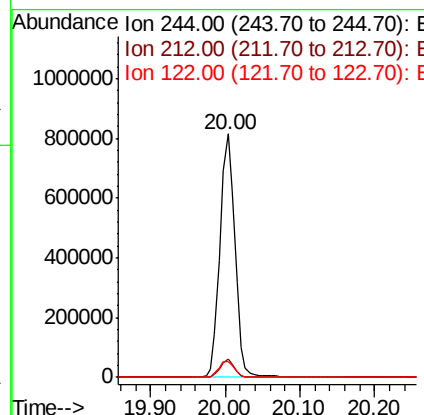
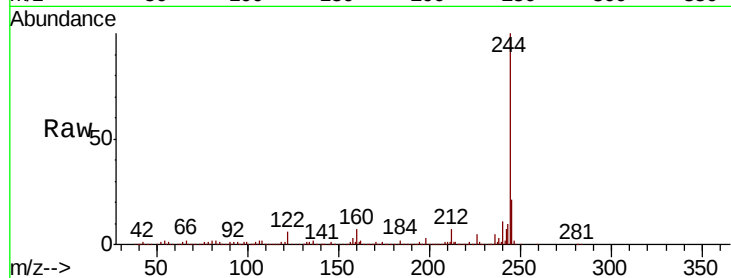
#79
 Terphenyl-d14
 Concen: 72.994 ng
 RT: 20.00 min Scan# 2879
 Delta R.T. -0.01 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-1MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.4	9.6
122	6.3	5.3	7.9

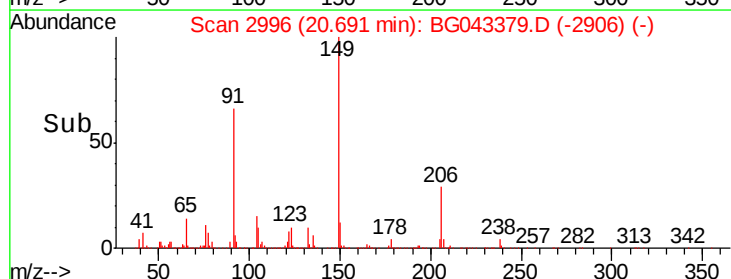
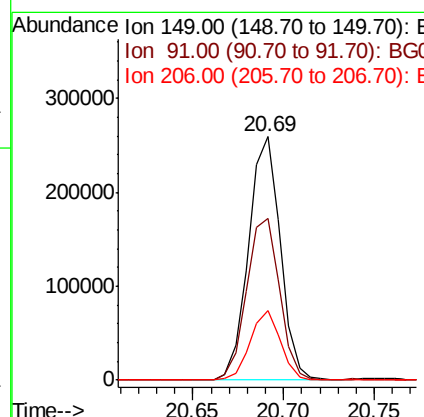
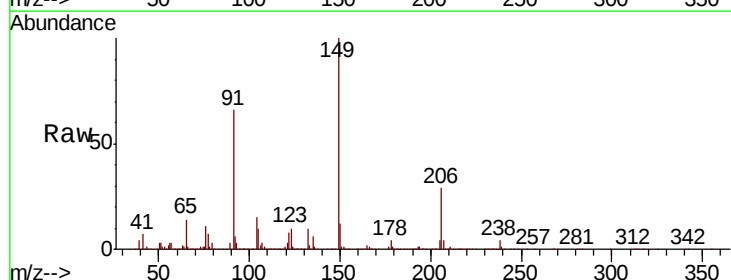
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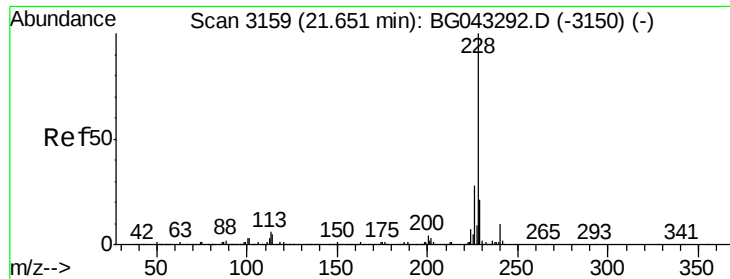
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#80
 Butylbenzylphthalate
 Concen: 45.970 ng
 RT: 20.69 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: BG043379.D
 Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
149	100		
91	66.4	54.6	82.0
206	28.6	20.5	30.7





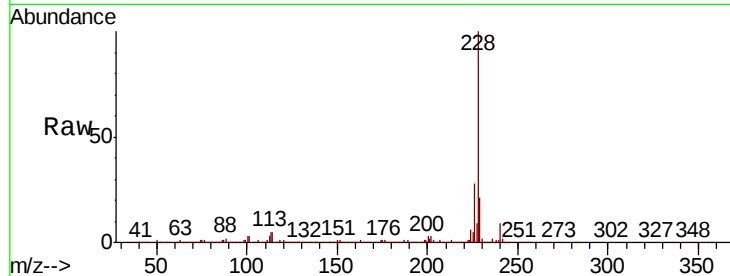
#81
Benzo(a)anthracene
Concen: 41.222 ng
RT: 21.64 min Scan# 3158
Delta R.T. -0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.4
229	20.7	16.9	25.3

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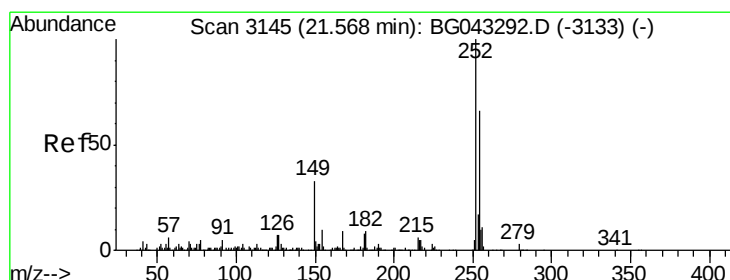
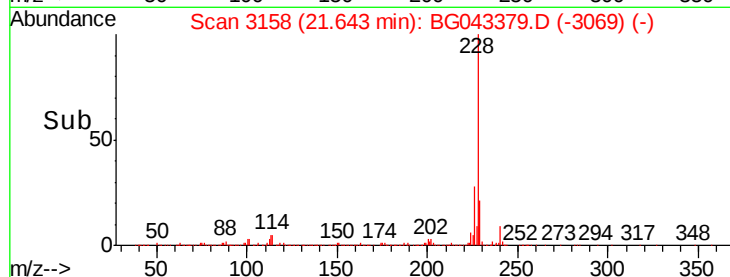
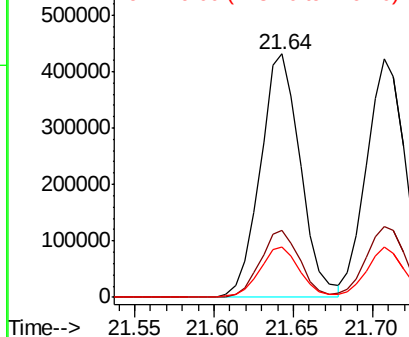


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 20.560 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

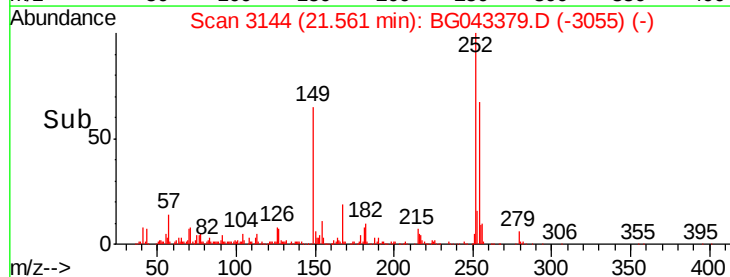
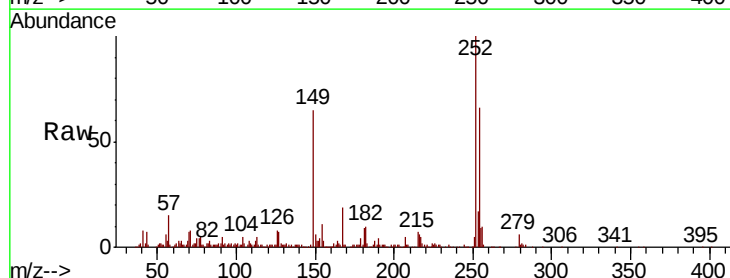
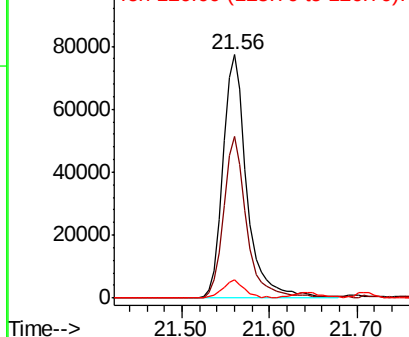
Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.4	52.7	79.1
126	7.5	5.6	8.4

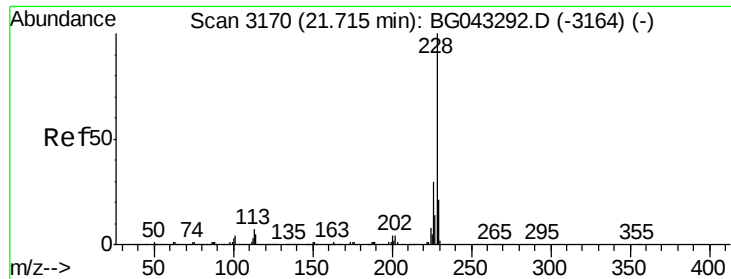
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 39.751 ng

RT: 21.71 min Scan# 3169

Delta R.T. -0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

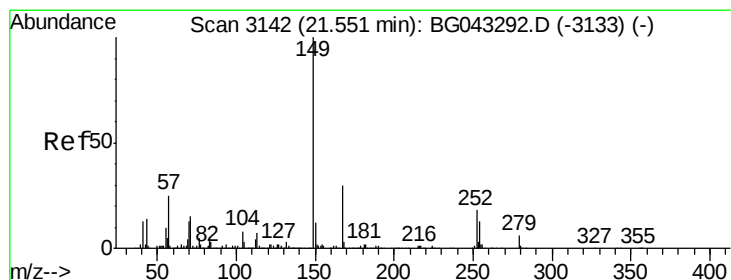
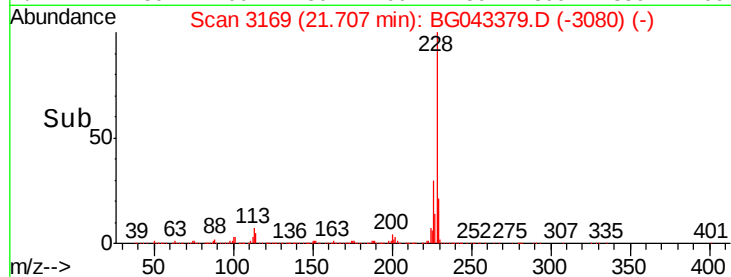
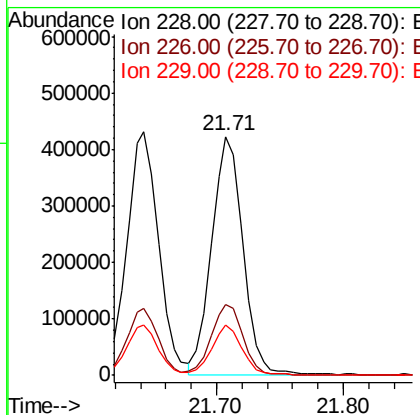
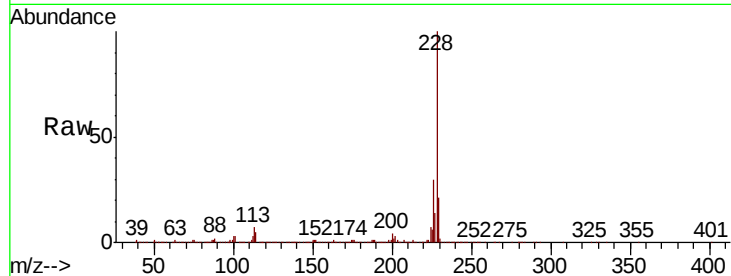
ClientSampleId :

CSA-2-1-1MS

Tot Ion:	228	Resp:	723432
Ion Ratio	Lower	Upper	
228	100		
226	29.8	23.8	35.8
229	21.2	16.3	24.5

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#84

Bis(2-ethylhexyl)phthalate

Concen: 39.681 ng

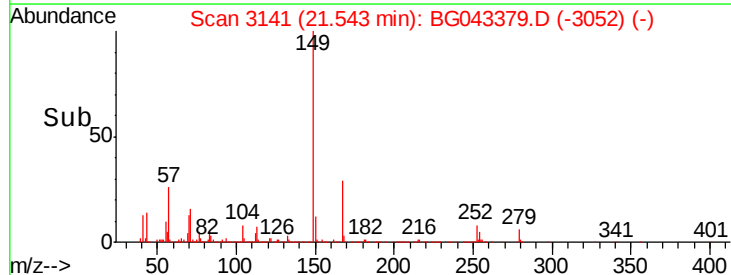
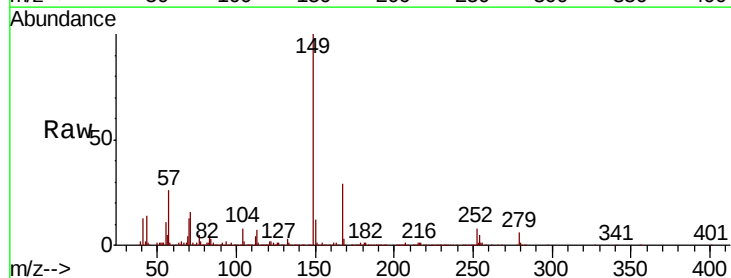
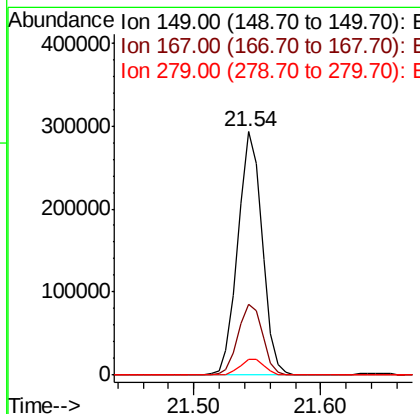
RT: 21.54 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Tgt Ion:	149	Resp:	386539
Ion Ratio	Lower	Upper	
149	100		
167	29.1	23.9	35.9
279	6.3	4.8	7.2





#85

Di-n-octyl phthalate

Concen: 40.469 ng

RT: 22.74 min Scan# 3345

Delta R.T. -0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

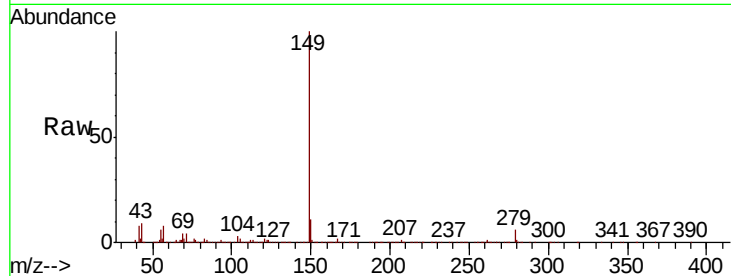
ClientSampleId :

CSA-2-1-1MS

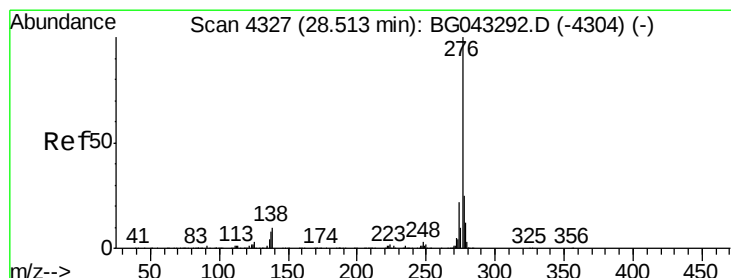
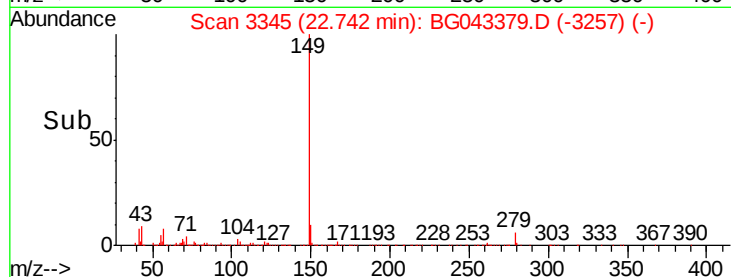
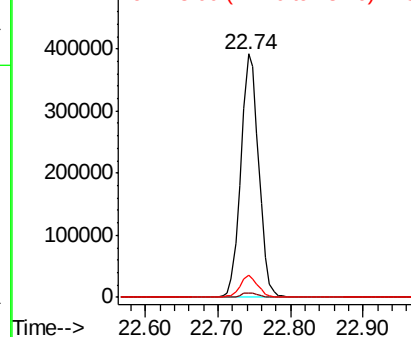
Tot Ion:	149	Resp:	668810
Ion Ratio	Lower	Upper	
149	100		
167	1.9	1.4	2.0
43	9.0	6.9	10.3

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 41.677 ng

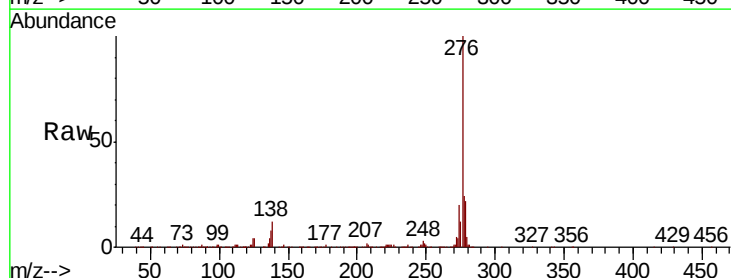
RT: 28.51 min Scan# 4326

Delta R.T. -0.01 min

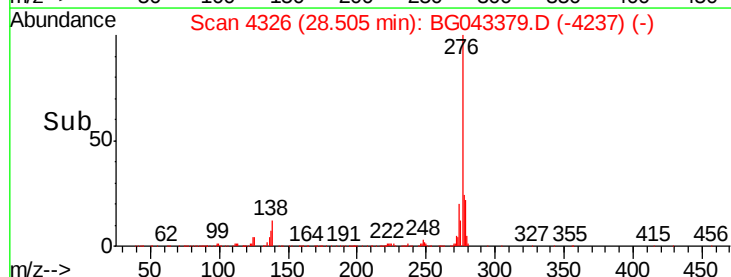
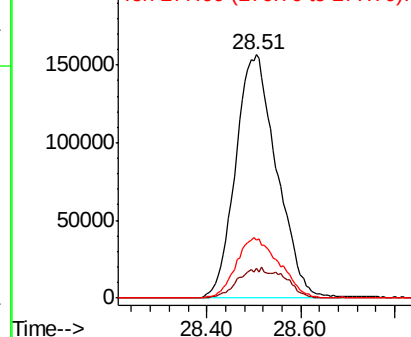
Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Tgt Ion:	276	Resp:	952092
Ion Ratio	Lower	Upper	
276	100		
138	9.7	7.2	10.8
277	26.1	20.9	31.3



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

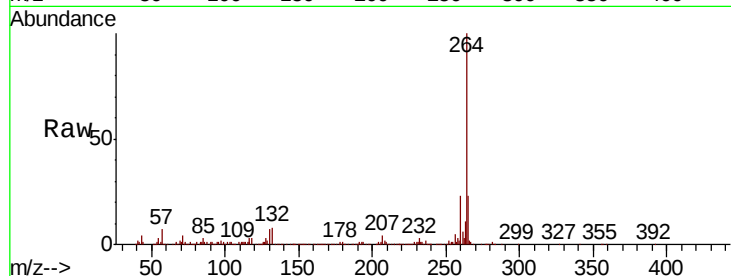
ClientSampleId :

CSA-2-1-1MS

Tot Ion:	264	Resp:	345090
Ion Ratio		Lower	Upper
264	100		
260	22.9	17.9	26.9
265	22.8	17.4	26.2

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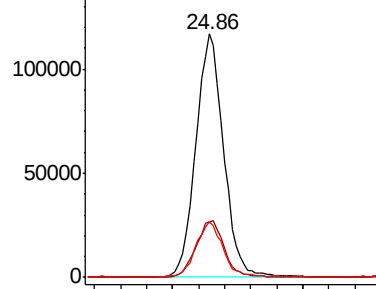


Abundance

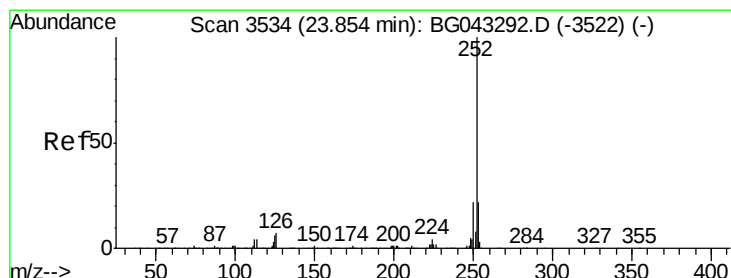
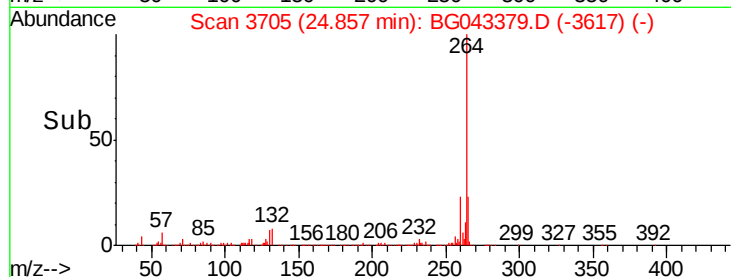
Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->



#88

Benzo(b)fluoranthene

Concen: 40.440 ng

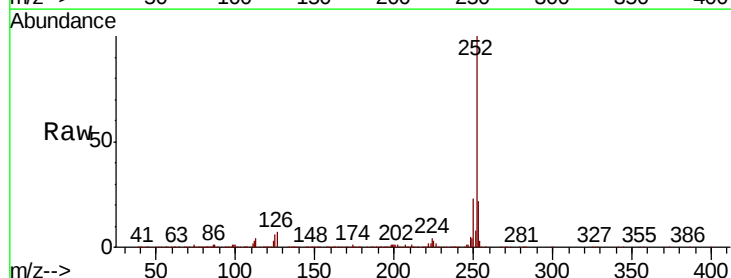
RT: 23.85 min Scan# 3533

Delta R.T. -0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Tgt Ion:	252	Resp:	790387
Ion Ratio		Lower	Upper
252	100		
253	22.3	17.4	26.2
125	6.0	5.0	7.6

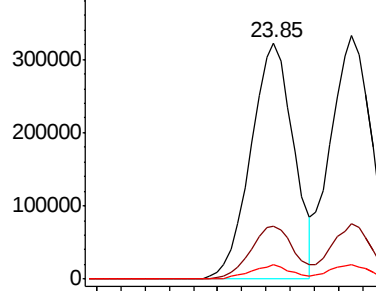


Abundance

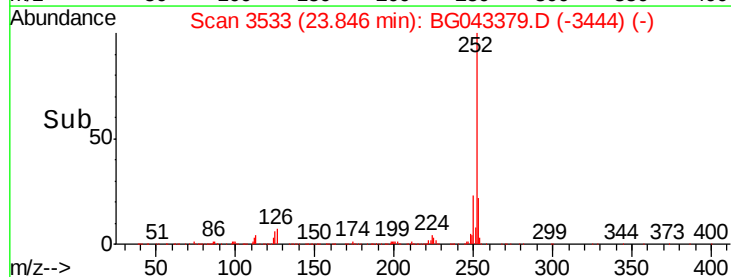
Ion 252.00 (251.70 to 252.70): E

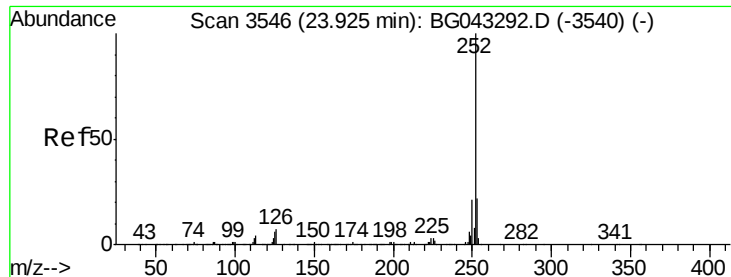
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#89

Benzo(k)fluoranthene

Concen: 40.627 ng

RT: 23.91 min Scan# 3544

Delta R.T. -0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Instrument :

BNA_G

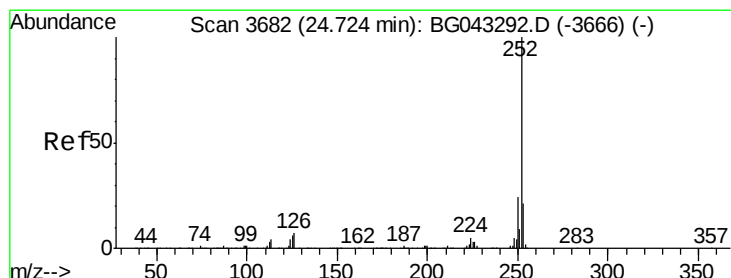
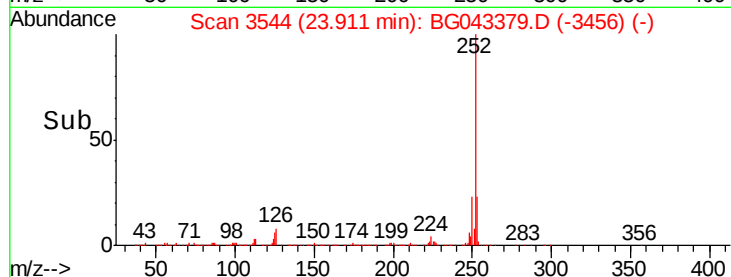
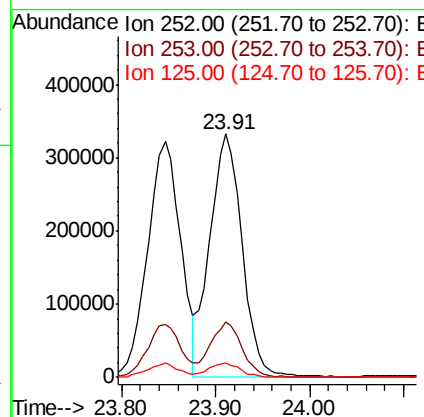
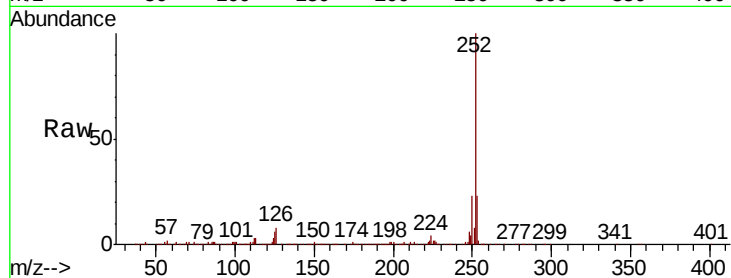
ClientSampleId :

CSA-2-1-1MS

Tot Ion:	252	Resp:	799363
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.6	26.4
125	6.1	4.5	6.7

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 39.782 ng

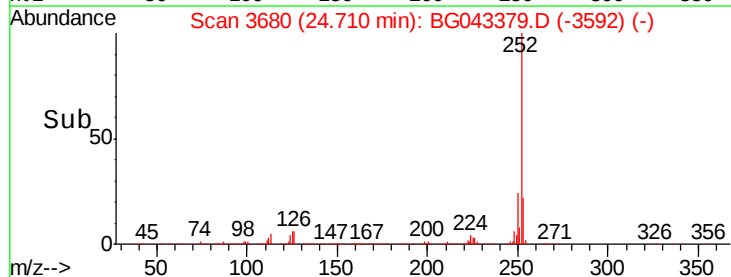
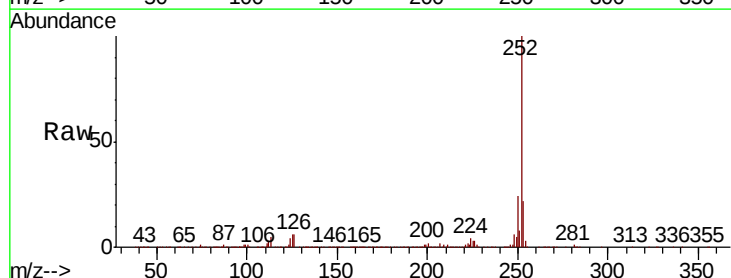
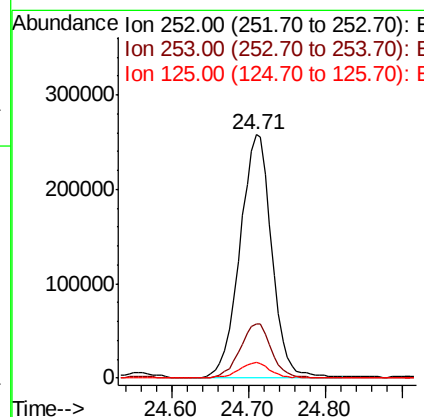
RT: 24.71 min Scan# 3680

Delta R.T. -0.01 min

Lab File: BG043379.D

Acq: 29 Oct 2019 18:19

Tgt Ion:	252	Resp:	742484
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.2	25.8
125	6.3	5.0	7.6





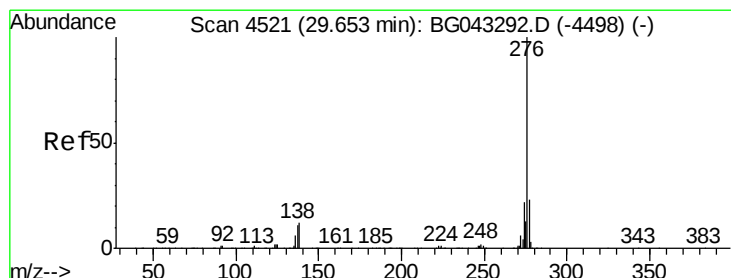
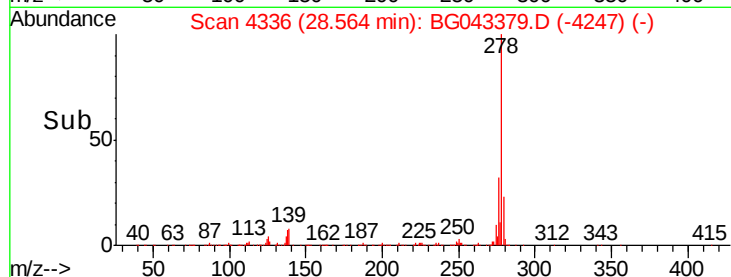
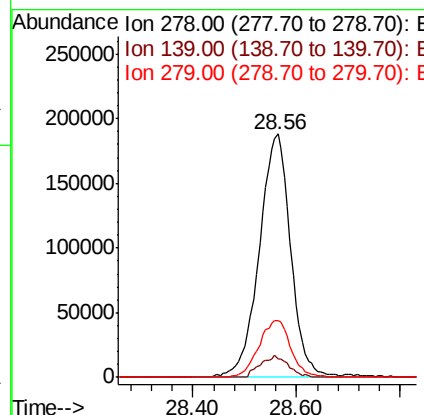
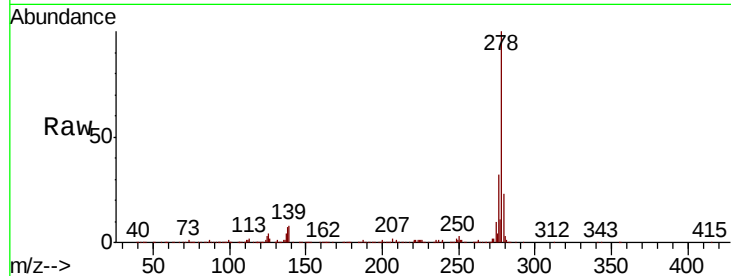
#91
Dibenzo(a,h)anthracene
Concen: 41.436 ng
RT: 28.56 min Scan# 4336
Delta R.T. -0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-1MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	7.6	6.8	10.2
279	23.4	19.0	28.6

Manual Integrations
APPROVED

mohammad
10/30/2019 4:54:30 PM



#92
Benzo(g,h,i)perylene
Concen: 42.794 ng
RT: 29.64 min Scan# 4519
Delta R.T. -0.01 min
Lab File: BG043379.D
Acq: 29 Oct 2019 18:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.3	27.5
138	12.2	9.3	13.9

