

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091919\
 Data File : BP000339.D
 Acq On : 19 Sep 2019 18:52
 Operator : HP/JU
 Sample : K4962-05MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TH-4MS

Manual Integrations
 APPROVED

mohammad
 9/20/2019 1:10:04 PM

Quant Time: Sep 20 05:36:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	229964	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	816350	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	455664	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	804680	20.00	ng	0.00
76) Chrysene-d12	14.00	240	691998	20.00	ng	0.00
87) Perylene-d12	15.48	264	824137	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	1431059	107.43	ng	0.01
7) Phenol-d6	6.43	99	1837000	112.50	ng	0.00
23) Nitrobenzene-d5	7.35	82	1030779	81.47	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	585107	129.46	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2256556	89.13	ng	0.00
79) Terphenyl-d14	12.93	244	2518278	76.34	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.53	88	188709	31.393	ng	98
3) Pyridine	3.28	79	461387	28.511	ng	99
4) n-Nitrosodimethylamine	3.21	42	159822	35.025	ng	97
6) Aniline	6.45	93	257837	11.453	ng	# 88
8) 2-Chlorophenol	6.58	128	589682	41.109	ng	97
9) Benzaldehyde	6.33	77	299040	32.782	ng	99
10) Phenol	6.45	94	763258	41.142	ng	94
11) bis(2-Chloroethyl)ether	6.53	93	522578	36.784	ng	97
12) 1,3-Dichlorobenzene	6.73	146	663461	38.544	ng	99
13) 1,4-Dichlorobenzene	6.81	146	670266	39.137	ng	97
14) 1,2-Dichlorobenzene	6.96	146	627907	40.024	ng	99
15) Benzyl Alcohol	6.93	79	470457	39.592	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.07	45	462357	34.328	ng	98
17) 2-Methylphenol	7.05	107	488700	39.778	ng	99
18) Hexachloroethane	7.30	117	198852	31.376	ng	96
19) n-Nitroso-di-n-propylamine	7.20	70	324908	37.635	ng	98
20) 3+4-Methylphenols	7.20	107	596025	40.119	ng	# 83
22) Acetophenone	7.20	105	792806	44.814	ng	99
24) Nitrobenzene	7.37	77	541829	41.228	ng	99
25) Isophorone	7.61	82	1002188	40.001	ng	98
26) 2-Nitrophenol	7.69	139	208544	29.932	ng	95
27) 2,4-Dimethylphenol	7.73	122	523655	47.185	ng	99
28) bis(2-Chloroethoxy)methane	7.82	93	666624	40.005	ng	99
29) 2,4-Dichlorophenol	7.93	162	533589	44.861	ng	99
30) 1,2,4-Trichlorobenzene	8.02	180	585267	42.929	ng	99
31) Naphthalene	8.10	128	1626178	43.011	ng	99
32) Benzoic acid	7.82	122	231721m	30.924	ng	
33) 4-Chloroaniline	8.14	127	235402	13.758	ng	99
34) Hexachlorobutadiene	8.22	225	345106	42.722	ng	99
35) Caprolactam	8.50	113	170456m	42.128	ng	
36) 4-Chloro-3-methylphenol	8.63	107	524217	43.415	ng	98
37) 2-Methylnaphthalene	8.79	142	1128589	43.666	ng	99
38) 1-Methylnaphthalene	8.89	142	1083072	44.735	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	614428	47.161	ng	98

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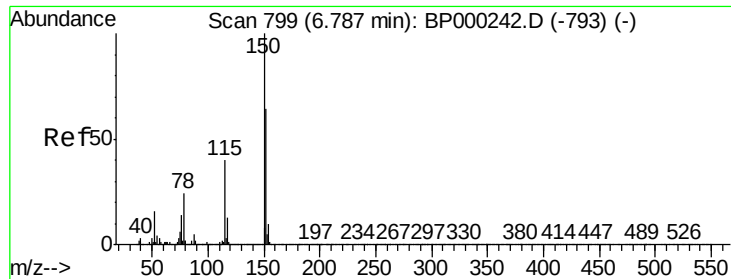
Manual Integrations
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 9/20/2019 1:10:04 PM

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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	159063	21.262	ng	99
43) 2,4,6-Trichlorophenol	9.07	196	388038	43.044	ng	97
44) 2,4,5-Trichlorophenol	9.11	196	423051	45.829	ng	98
46) 1,1'-Biphenyl	9.25	154	1437064	45.589	ng	99
47) 2-Chloronaphthalene	9.28	162	1121009	42.394	ng	98
48) 2-Nitroaniline	9.37	65	275268	40.993	ng	97
49) Acenaphthylene	9.70	152	1722486	43.335	ng	99
50) Dimethylphthalate	9.55	163	1537753	49.533	ng	100
51) 2,6-Dinitrotoluene	9.62	165	265729	38.928	ng #	87
52) Acenaphthene	9.87	154	1012727	40.375	ng	99
53) 3-Nitroaniline	9.78	138	269978	34.074	ng	100
54) 2,4-Dinitrophenol	9.89	184	8853	2.936	ng	92
55) Dibenzofuran	10.04	168	1592789	44.920	ng	100
56) 4-Nitrophenol	9.95	139	432188	73.338	ng	93
57) 2,4-Dinitrotoluene	10.02	165	335873	37.638	ng	98
58) Fluorene	10.39	166	1196756	43.696	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.16	232	349686	46.037	ng	97
60) Diethylphthalate	10.26	149	1318006	44.133	ng	100
61) 4-Chlorophenyl-phenylether	10.38	204	639107	45.460	ng	93
62) 4-Nitroaniline	10.40	138	347610	44.604	ng	95
63) Azobenzene	10.54	77	1032979	40.827	ng	98
65) 4,6-Dinitro-2-methylphenol	10.43	198	10097	2.669	ng	94
66) n-Nitrosodiphenylamine	10.50	169	1112028	45.906	ng	99
67) 4-Bromophenyl-phenylether	10.87	248	402106	44.190	ng	99
68) Hexachlorobenzene	10.95	284	434402	43.668	ng	98
69) Atrazine	11.03	200	343865	Below Cal		98
70) Pentachlorophenol	11.14	266	437807	80.806	ng	99
71) Phenanthrene	11.36	178	1777978	44.092	ng	99
72) Anthracene	11.40	178	1873107	45.128	ng	100
73) Carbazole	11.56	167	1739180	46.527	ng	99
74) Di-n-butylphthalate	11.90	149	2045518	43.233	ng	99
75) Fluoranthene	12.55	202	2062324	47.629	ng	98
77) Benzidine	12.67	184	1199975	48.554	ng	97
78) Pyrene	12.79	202	2005081	38.728	ng	100
80) Butylbenzylphthalate	13.41	149	880858	37.027	ng	100
81) Benzo(a)anthracene	13.99	228	1843051	42.164	ng	99
82) 3,3'-Dichlorobenzidine	13.95	252	721474	41.069	ng	99
83) Chrysene	14.03	228	1787196	41.642	ng	100
84) Bis(2-ethylhexyl)phthalate	13.98	149	1120640	39.242	ng	99
85) Di-n-octyl phthalate	14.60	149	2014675	38.065	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	1910638	36.522	ng	95
88) Benzo(b)fluoranthene	15.05	252	2051503	41.727	ng #	98
89) Benzo(k)fluoranthene	15.08	252	1908180	44.494	ng #	97
90) Benzo(a)pyrene	15.42	252	1967962	43.991	ng #	96
91) Dibenzo(a,h)anthracene	16.99	278	1610826	38.620	ng	97
92) Benzo(g,h,i)perylene	17.42	276	1453607	33.906	ng	96

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



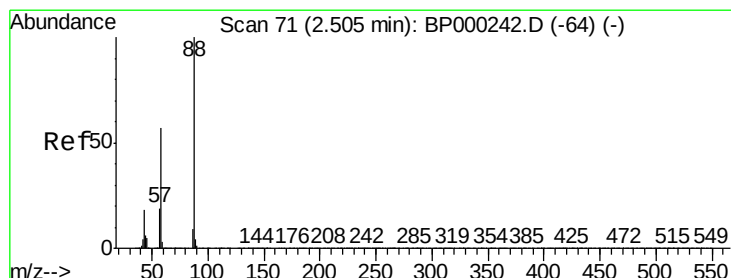
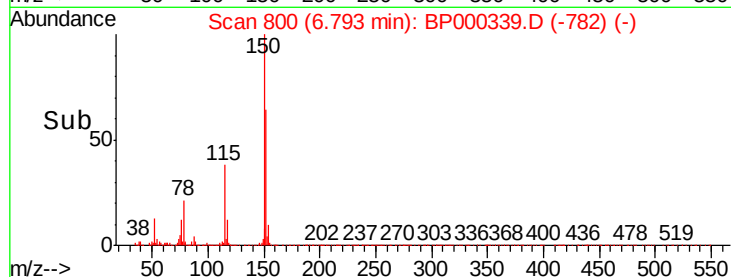
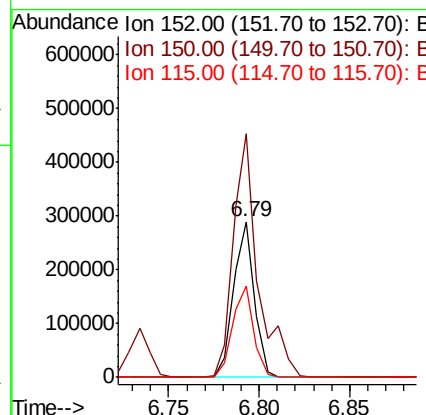
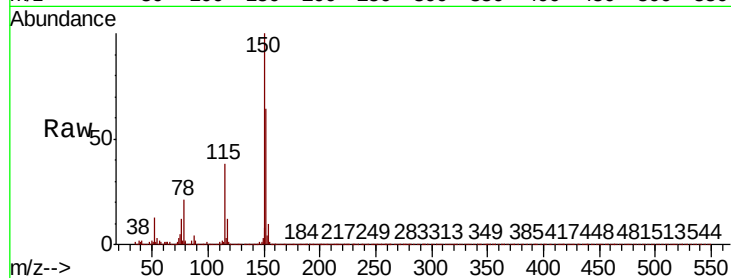
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.2	187.8
115	58.9	49.7	74.5

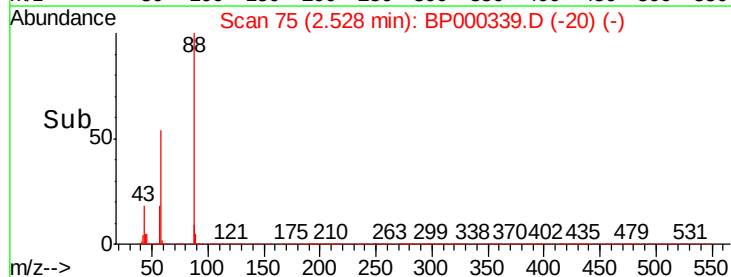
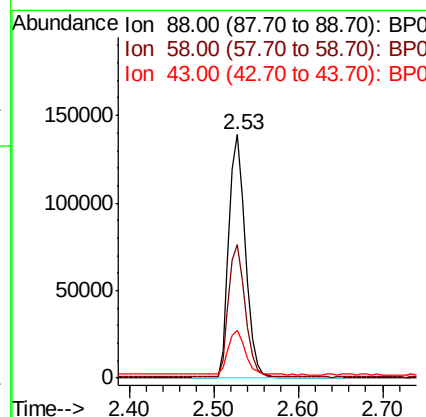
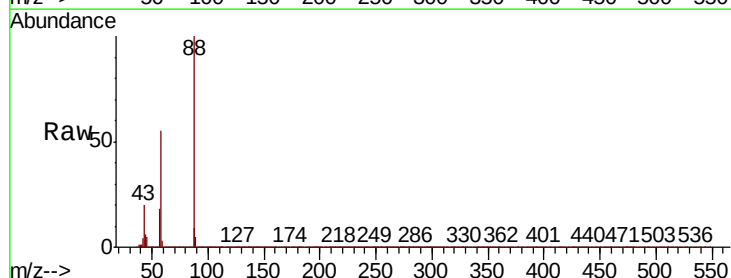
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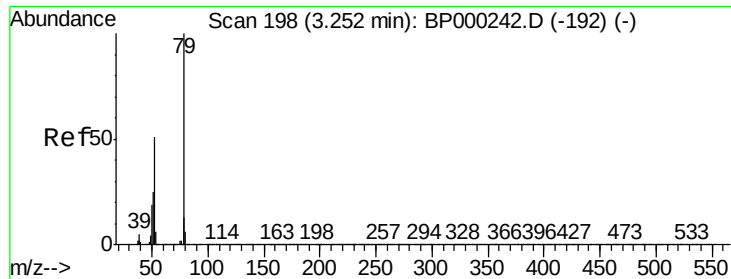
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#2
1,4-Dioxane
Concen: 31.393 ng
RT: 2.53 min Scan# 75
Delta R.T. 0.02 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	54.9	45.4	68.2
43	18.9	15.0	22.6





#3

Pvridine

Concen: 28.511 ng

RT: 3.28 min Scan# 202

Delta R.T. 0.02 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Instrument :

BNA_P

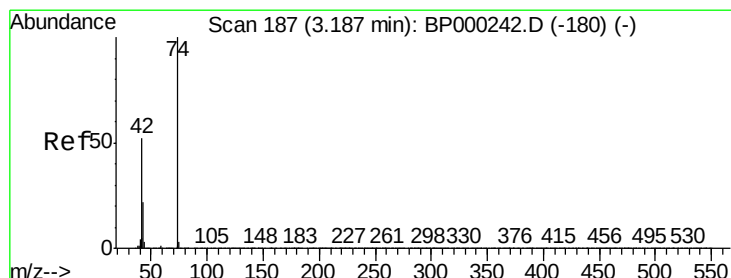
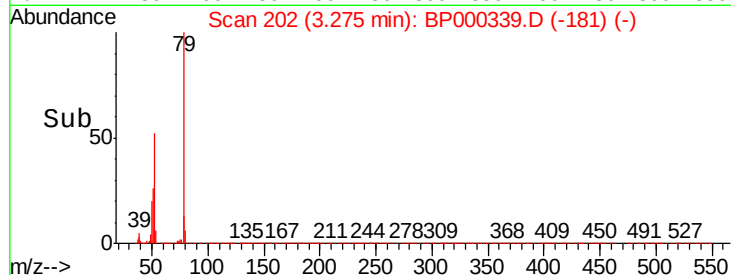
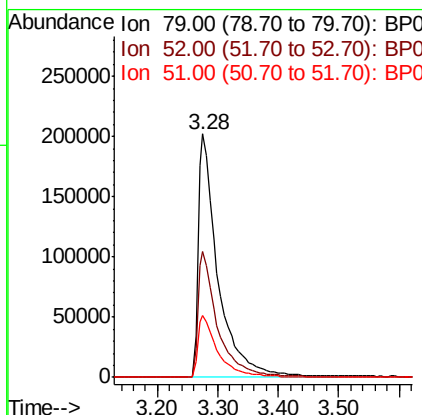
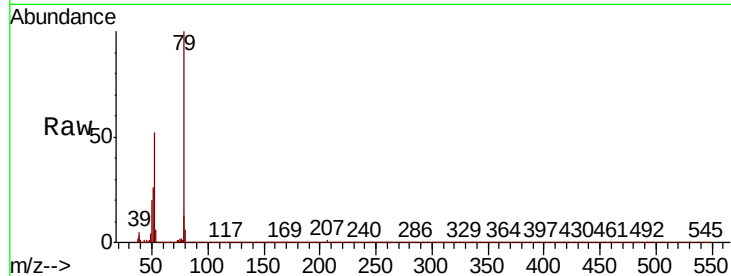
ClientSampled :

TH-4MS

Tot Ion:	79	Resp:	461387
Ion Ratio	Lower	Upper	
79	100		
52	51.6	40.9	61.3
51	25.7	20.2	30.2

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#4

n-Nitrosodimethylamine

Concen: 35.025 ng

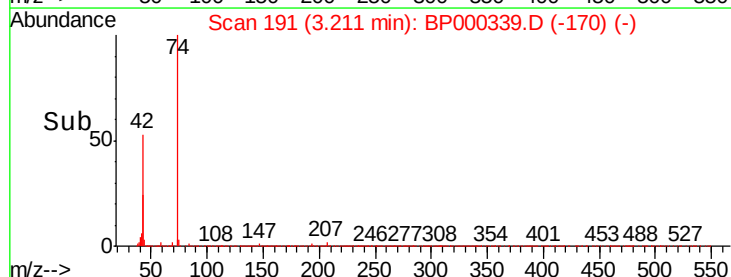
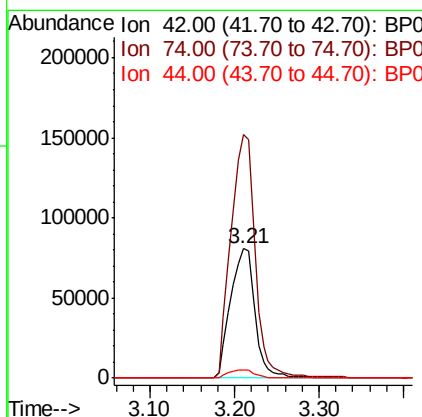
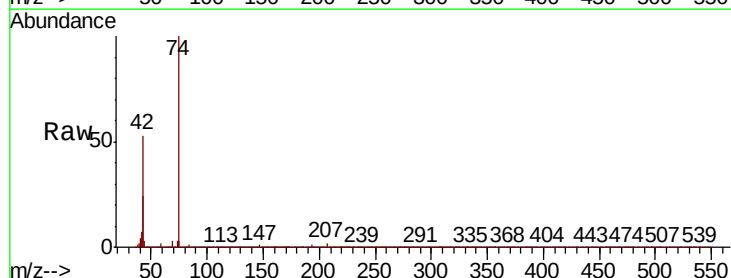
RT: 3.21 min Scan# 191

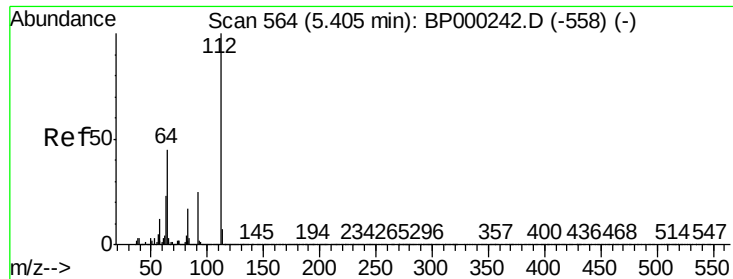
Delta R.T. 0.02 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Tgt Ion:	42	Resp:	159822
Ion Ratio	Lower	Upper	
42	100		
74	188.2	154.5	231.7
44	6.5	5.9	8.9





#5

2-Fluorophenol

Concen: 107.430 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.01 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Instrument :

BNA_P

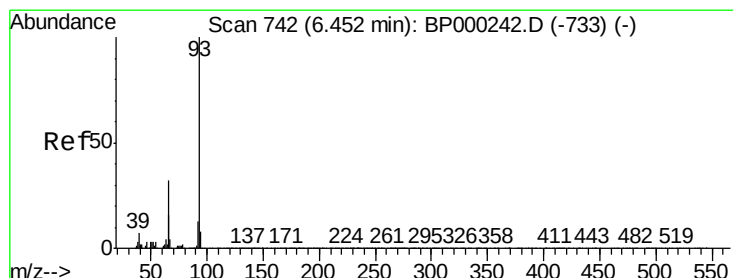
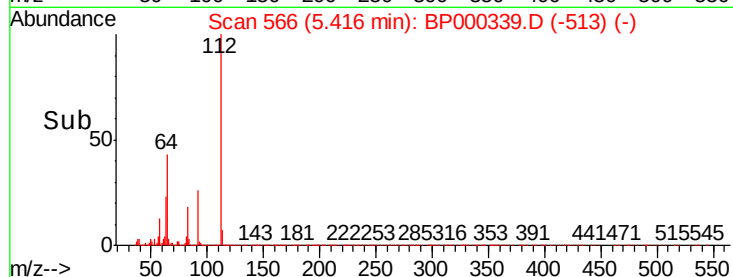
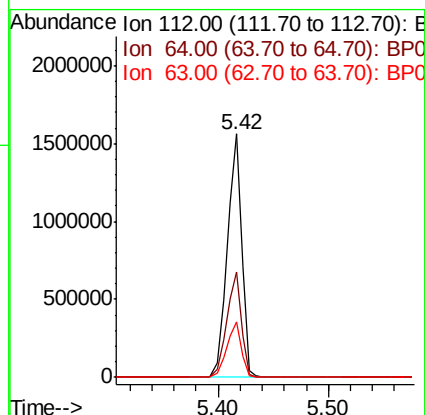
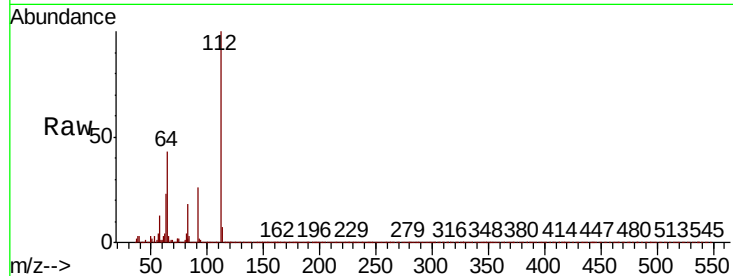
ClientSampleId :

TH-4MS

Tot Ion:	112	Resp:	1431059
Ion	Ratio	Lower	Upper
112	100		
64	43.1	36.2	54.4
63	23.0	18.3	27.5

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#6

Aniline

Concen: 11.453 ng

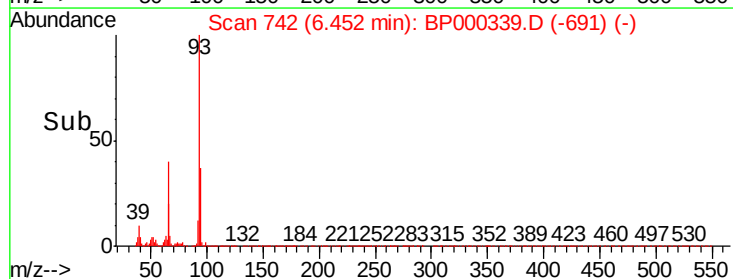
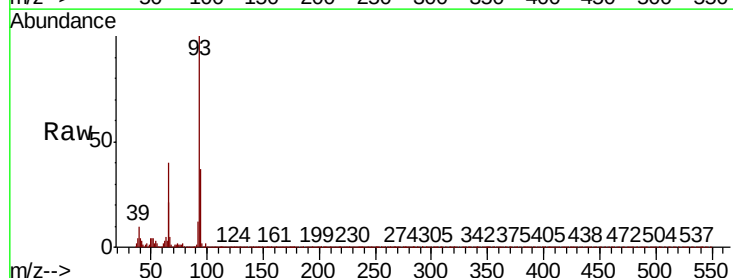
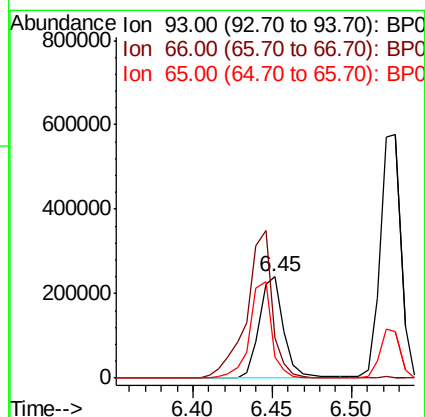
RT: 6.45 min Scan# 742

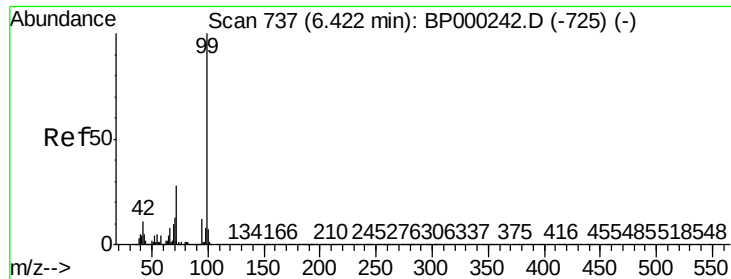
Delta R.T. -0.00 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Tgt Ion:	93	Resp:	257837
Ion	Ratio	Lower	Upper
93	100		
66	40.0	26.2	39.2#
65	20.5	12.7	19.1#





#7

Phenol-d6

Concen: 112.503 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Instrument :

BNA_P

ClientSampleId :

TH-4MS

Tot Ion: 99 Resp: 1837000

Ion Ratio Lower Upper

99 100

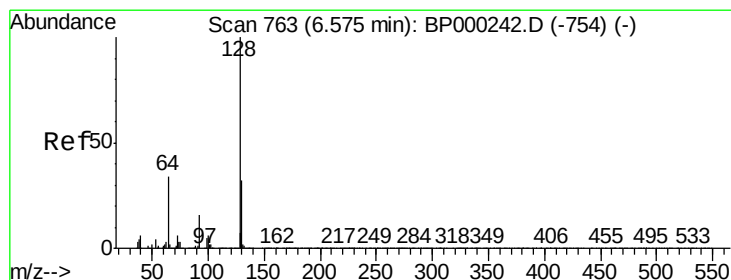
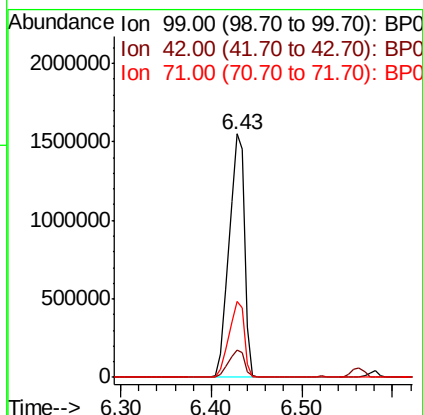
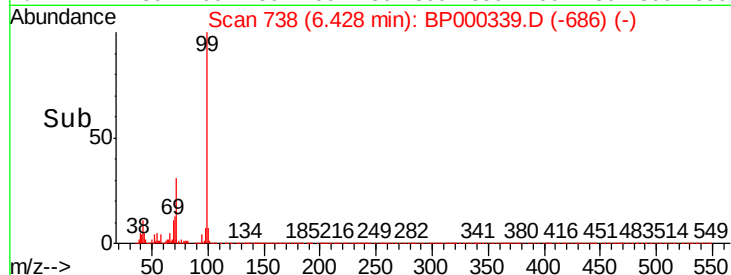
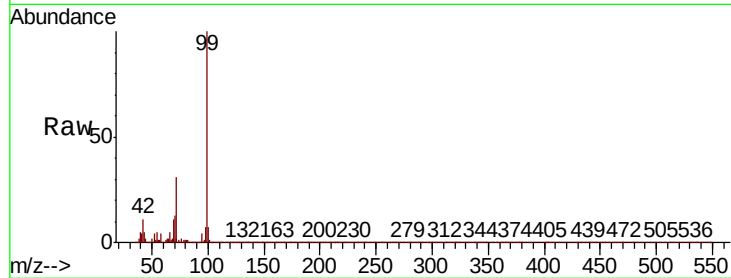
42 11.3 8.5 12.7

71 31.3 22.6 34.0

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#8

2-Chlorophenol

Concen: 41.109 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.01 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

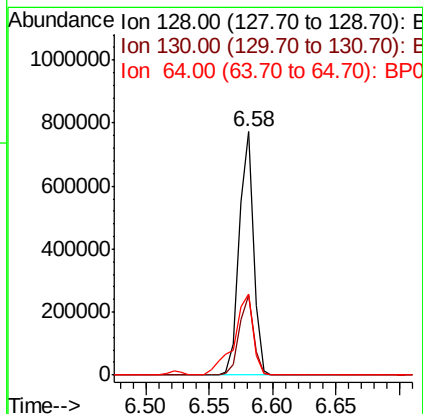
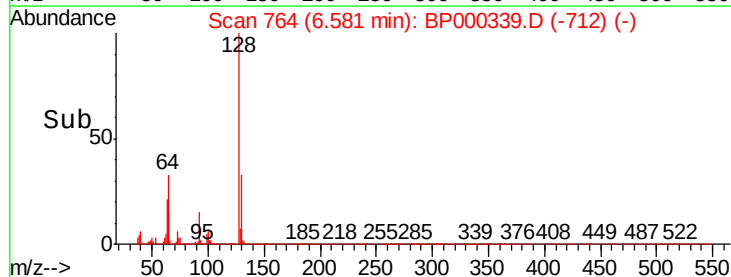
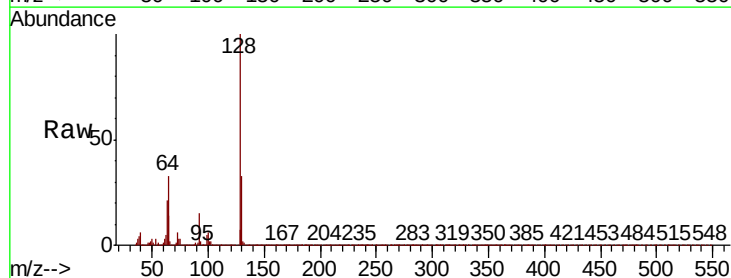
Tgt Ion: 128 Resp: 589682

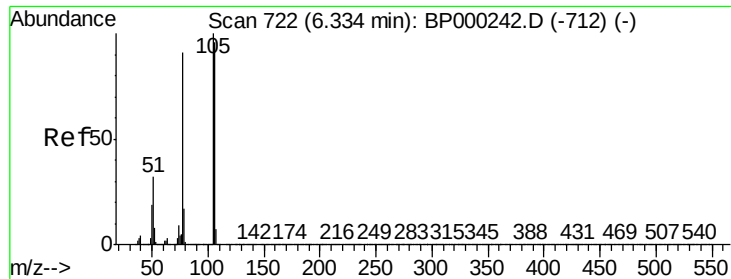
Ion Ratio Lower Upper

128 100

130 32.8 12.5 52.5

64 33.1 16.0 56.0





#9

Benzaldehyde

Concen: 32.782 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Instrument :

BNA_P

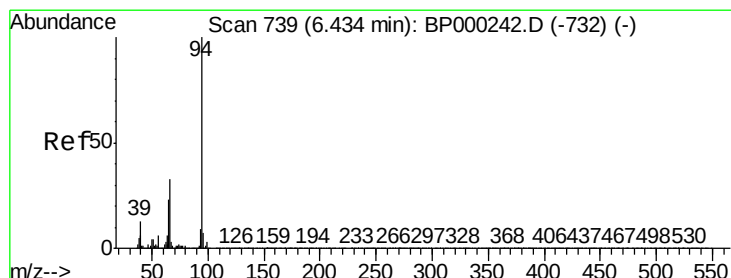
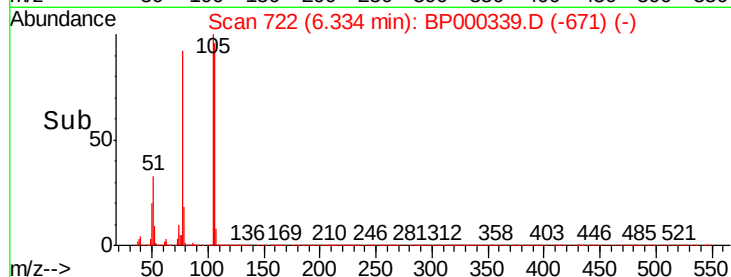
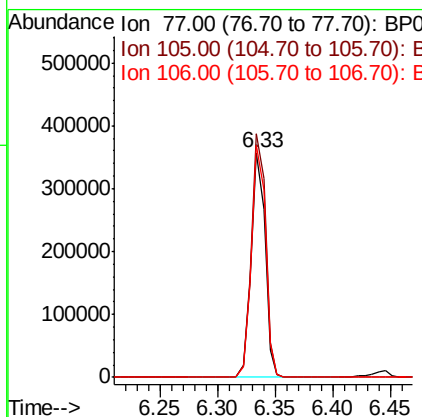
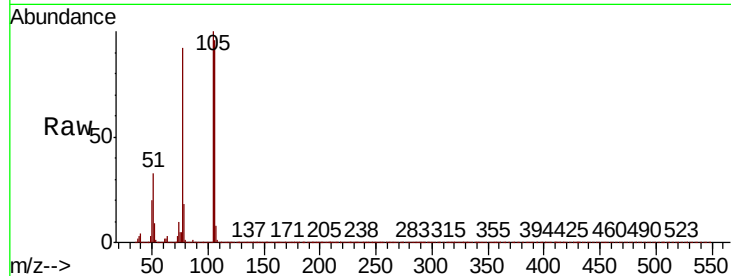
ClientSampled :

TH-4MS

Tot Ion:	77	Resp:	299040
Ion Ratio	Lower	Upper	
77	100		
105	108.3	89.6	129.6
106	103.5	84.6	124.6

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#10

Phenol

Concen: 41.142 ng

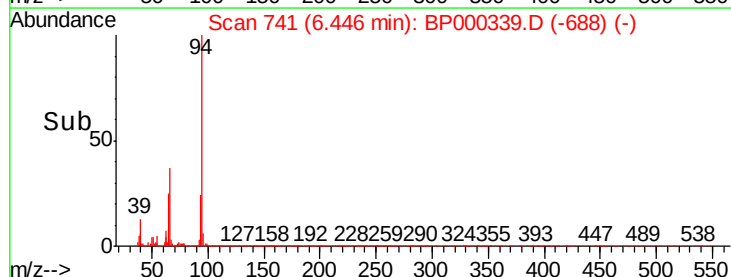
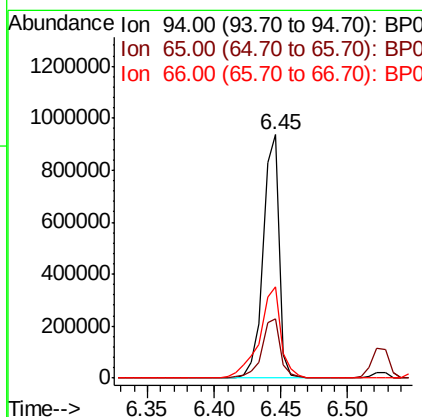
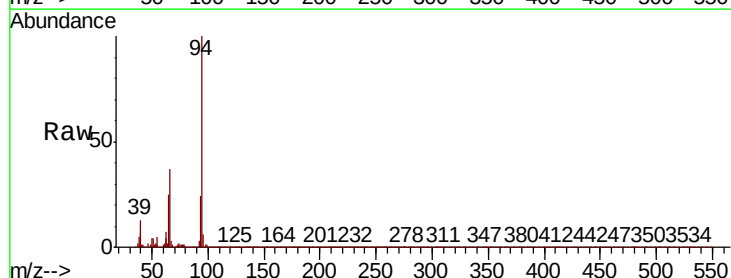
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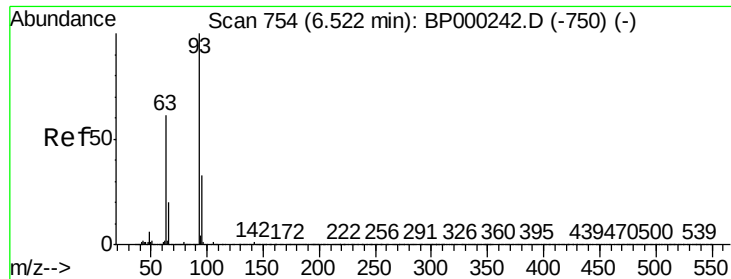
Delta R.T. 0.01 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Tgt Ion:	94	Resp:	763258
Ion Ratio	Lower	Upper	
94	100		
65	24.5	3.3	43.3
66	37.3	12.7	52.7





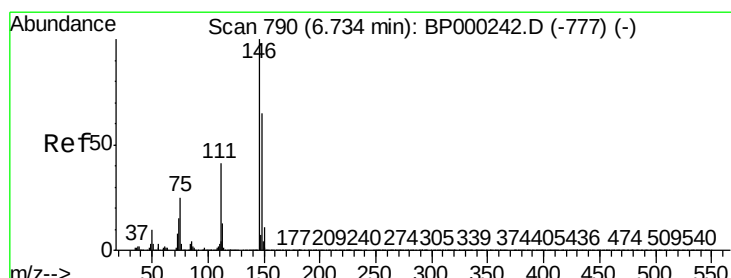
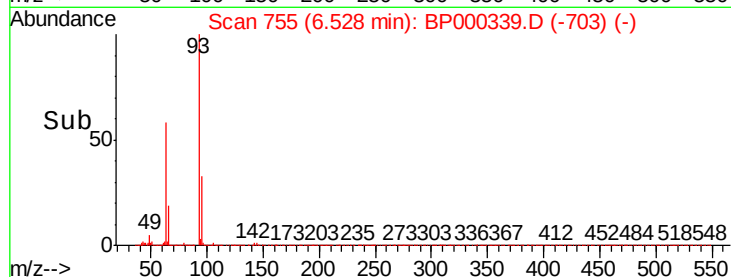
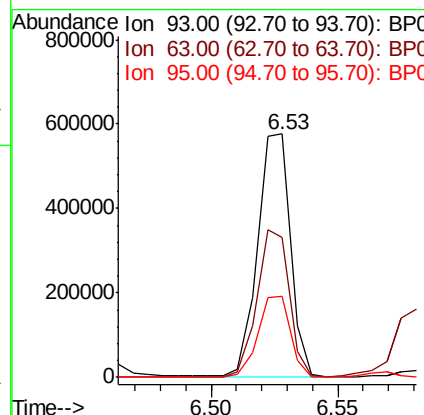
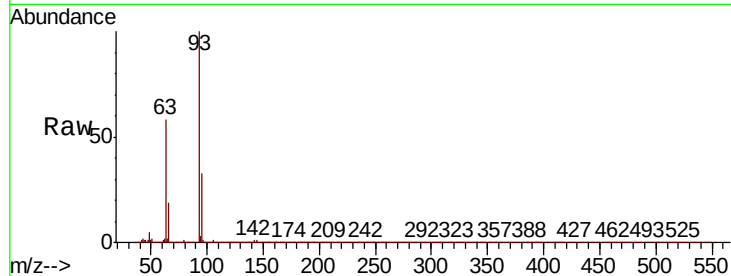
#11
bis(2-Chloroethyl)ether
Concen: 36.784 ng
RT: 6.53 min Scan# 755
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	522578		
63	57.6		41.0	81.0
95	33.1		12.7	52.7

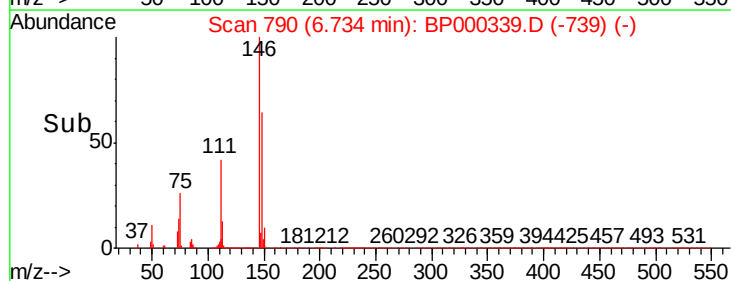
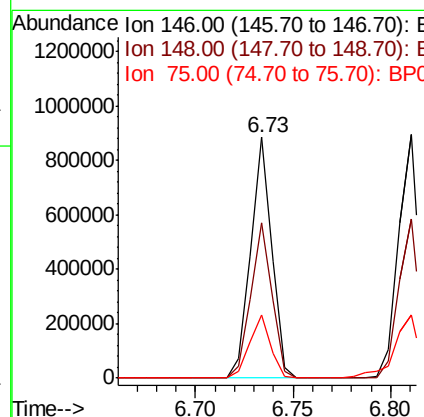
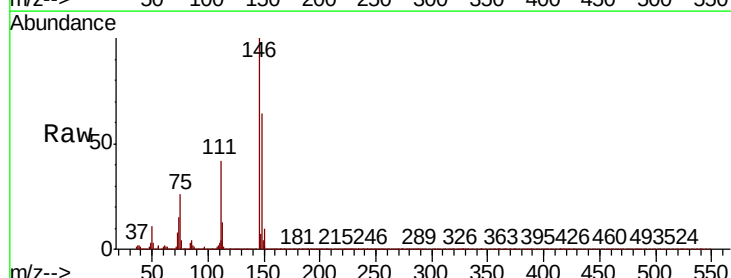
Manual Integrations
APPROVED

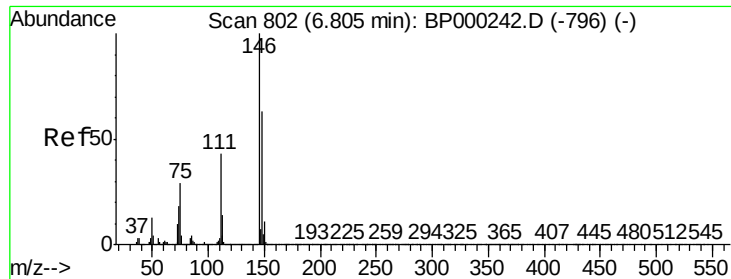
mohammad
9/20/2019 1:10:04 PM



#12
1,3-Dichlorobenzene
Concen: 38.544 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	663461		
148	64.3		52.1	78.1
75	26.0		20.2	30.4





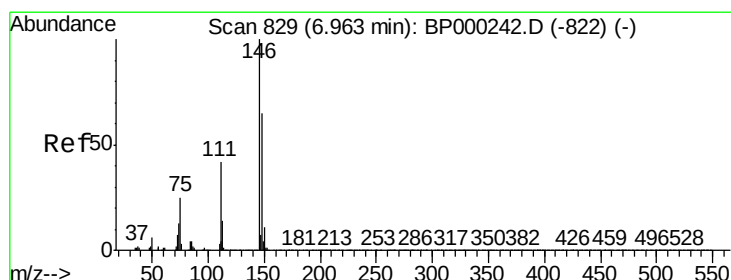
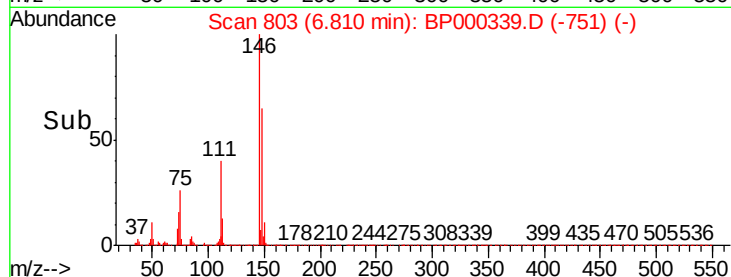
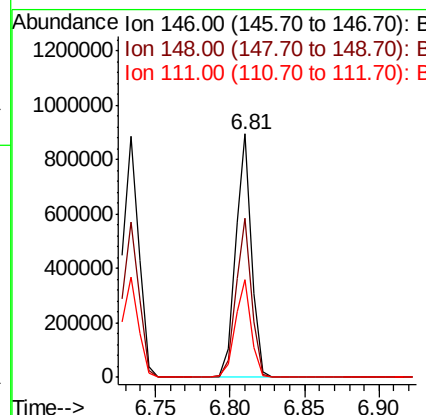
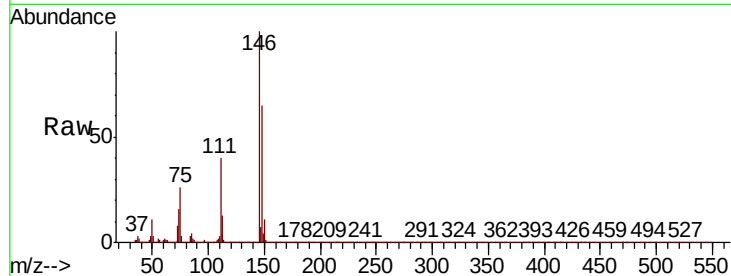
#13
1,4-Dichlorobenzene
Concen: 39.137 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.2	50.7	76.1
111	40.4	34.1	51.1

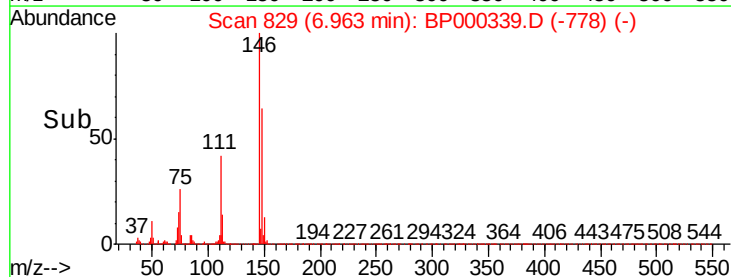
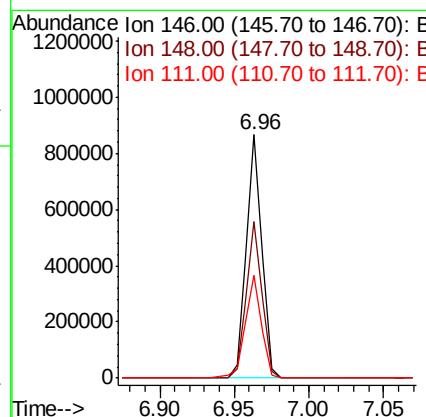
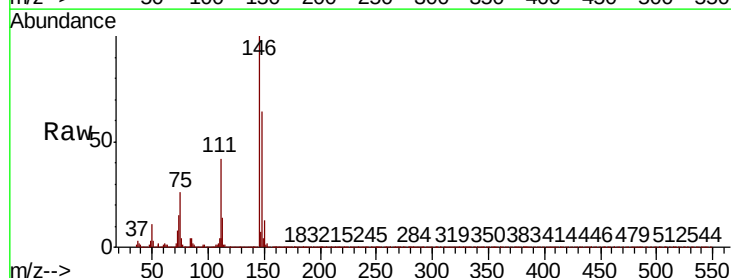
Manual Integrations
APPROVED

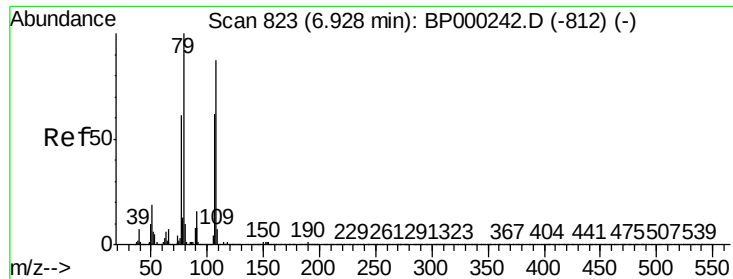
mohammad
9/20/2019 1:10:04 PM



#14
1,2-Dichlorobenzene
Concen: 40.024 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.7	77.5
111	42.5	33.4	50.2





#15

Benzyl Alcohol

Concen: 39.592 ng

RT: 6.93 min Scan# 823

Delta R.T. -0.00 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Instrument :

BNA_P

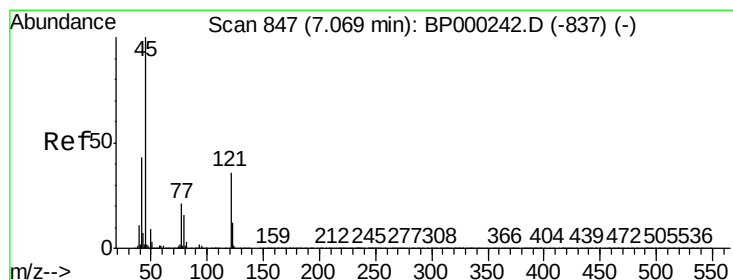
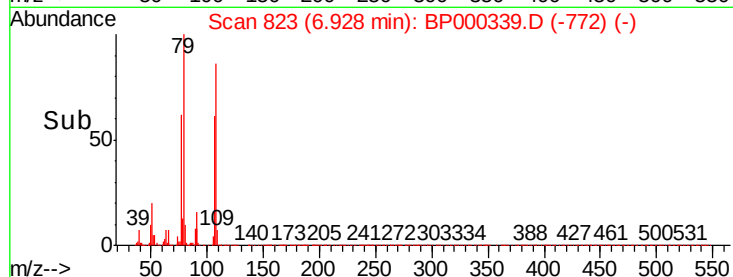
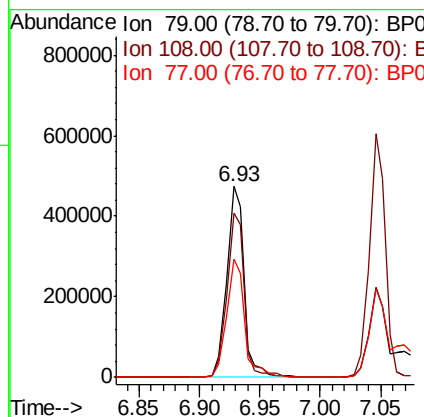
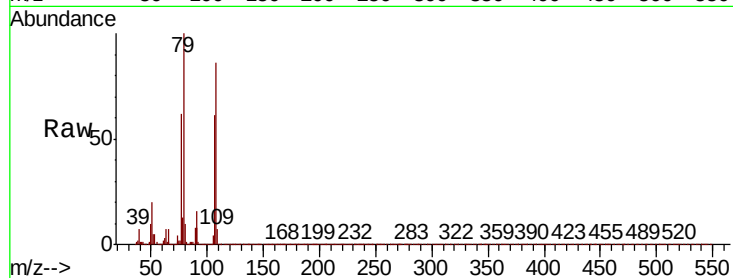
ClientSampleId :

TH-4MS

Tot Ion:	79	Resp:	470457
Ion	Ratio	Lower	Upper
79	100		
108	86.2	69.2	103.8
77	61.7	48.7	73.1

Manual Integrations
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9/20/2019 1:10:04 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.328 ng

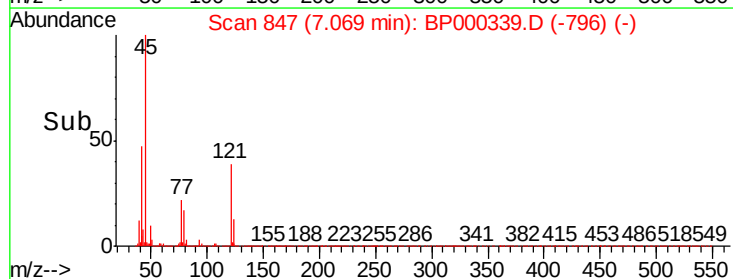
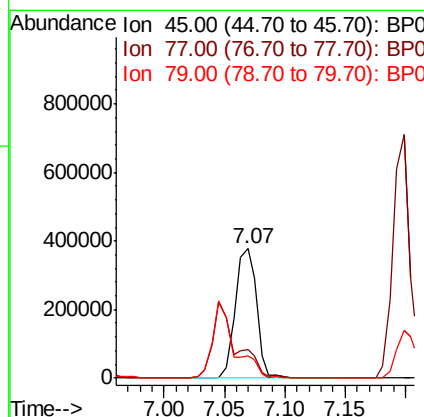
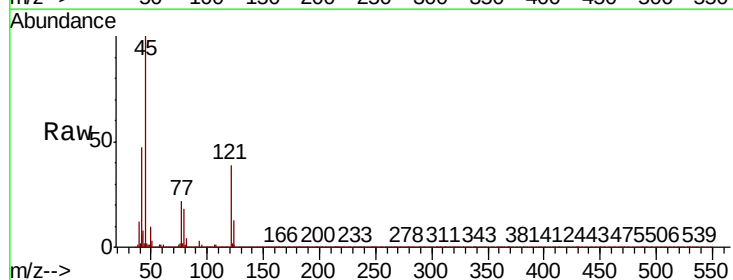
RT: 7.07 min Scan# 847

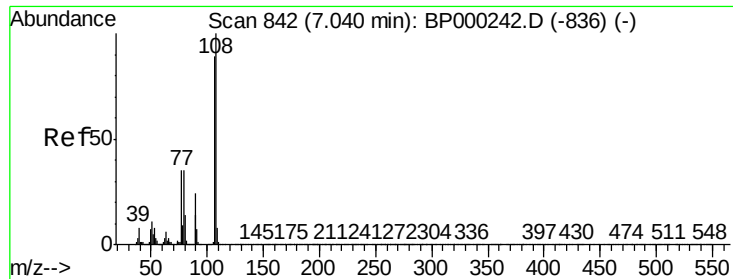
Delta R.T. -0.00 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Tgt Ion:	45	Resp:	462357
Ion	Ratio	Lower	Upper
45	100		
77	21.7	0.7	40.7
79	17.5	0.0	36.4





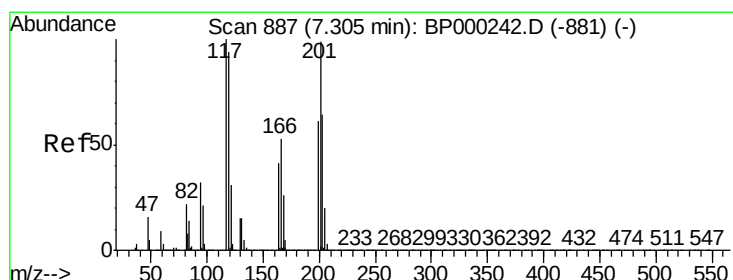
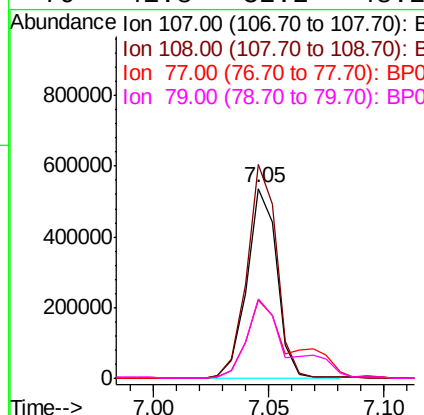
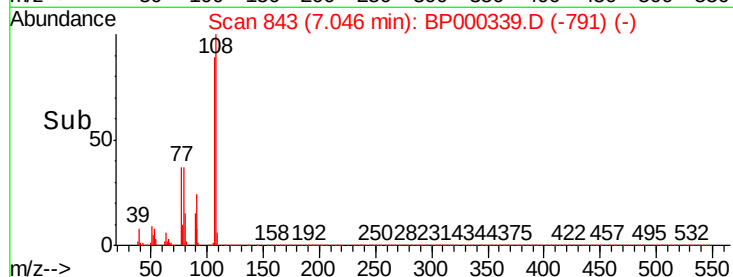
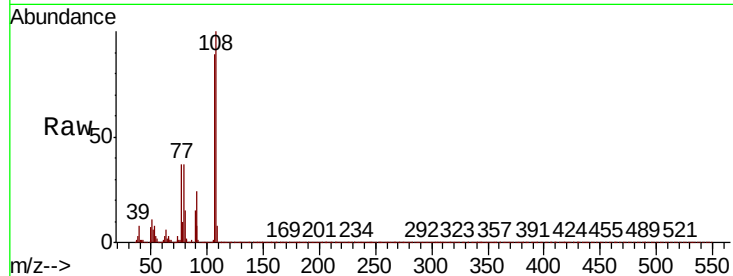
#17
2-Methylphenol
Concen: 39.778 ng
RT: 7.05 min Scan# 843
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.5	90.1	135.1	
77	41.2	31.5	47.3	
79	41.8	32.2	48.2	

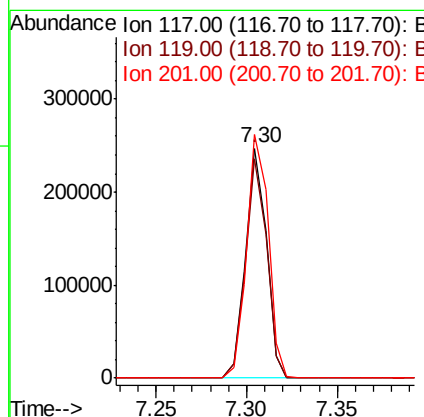
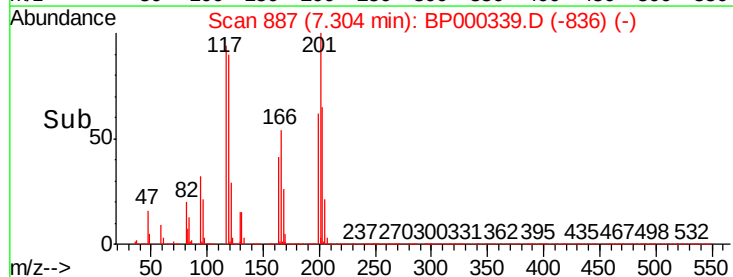
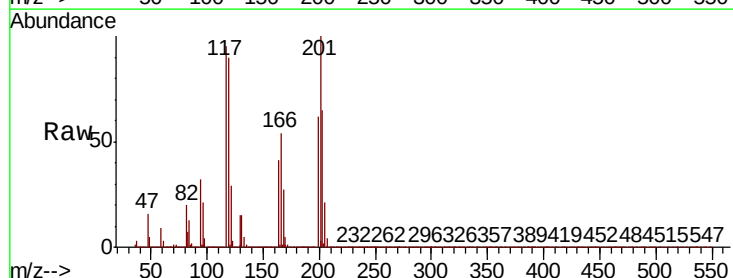
Manual Integrations
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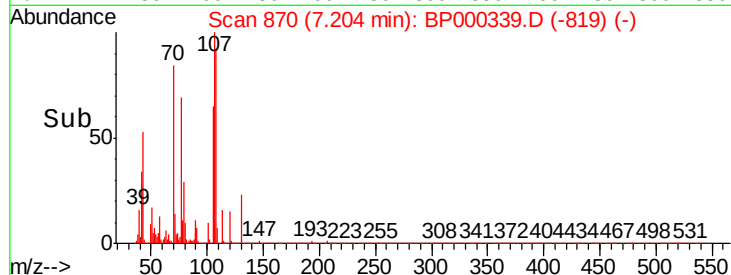
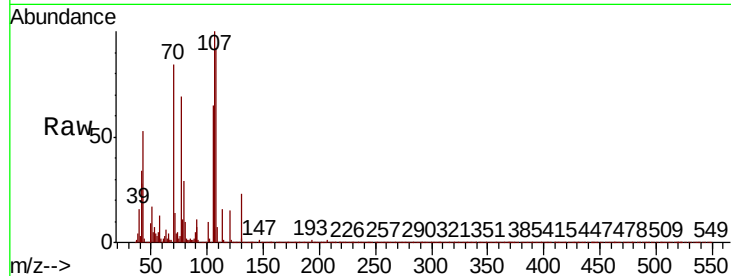
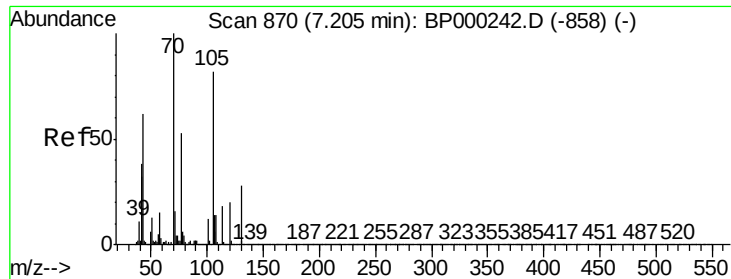
mohammad
9/20/2019 1:10:04 PM



#18
Hexachloroethane
Concen: 31.376 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.1	75.6	113.4	
201	105.8	79.4	119.2	





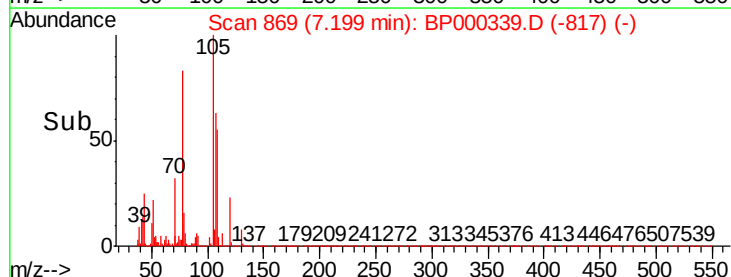
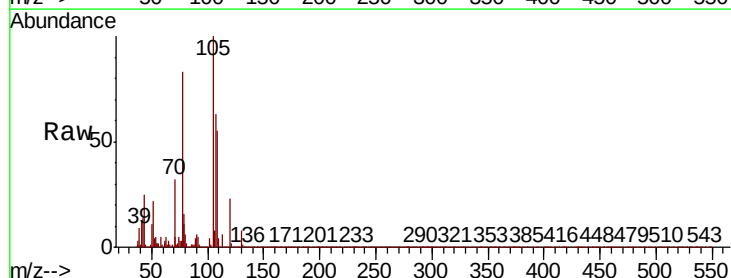
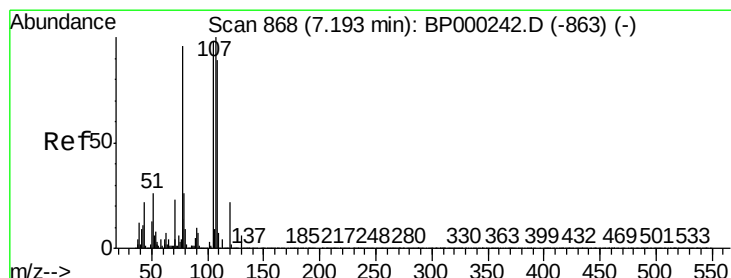
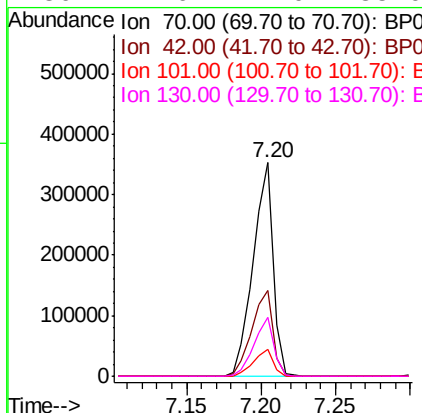
#19
n-Nitroso-di-n-propylamine
Concen: 37.635 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampled :
TH-4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	40.3	30.7	46.1		
101	12.5	9.6	14.4		
130	27.6	22.0	33.0		

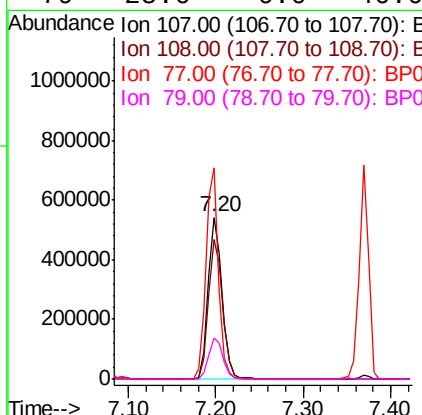
Manual Integrations
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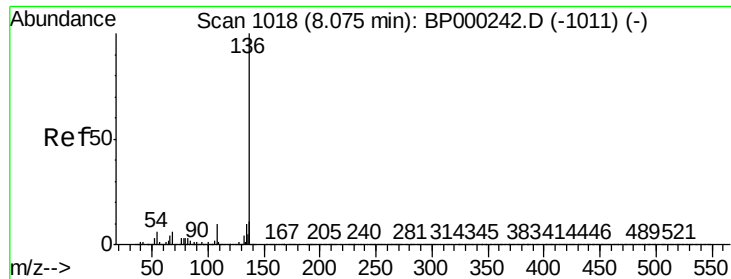
mohammad
9/20/2019 1:10:04 PM



#20
3+4-Methylphenols
Concen: 40.119 ng
RT: 7.20 min Scan# 869
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	86.7	68.8	108.8		
77	131.0	75.7	115.7#		
79	25.6	6.0	46.0		





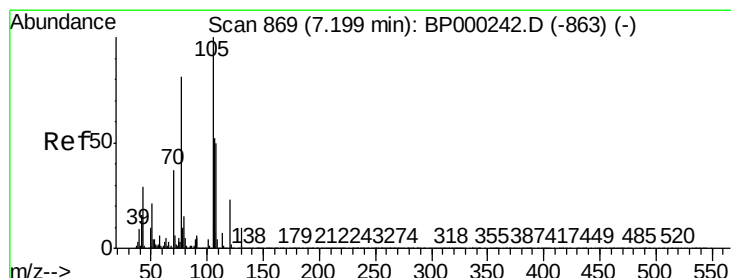
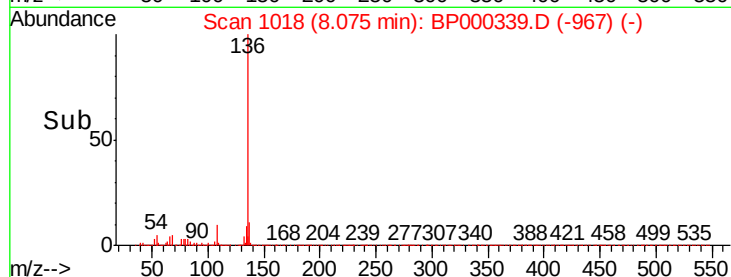
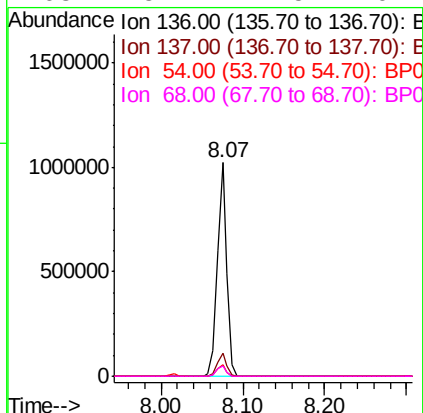
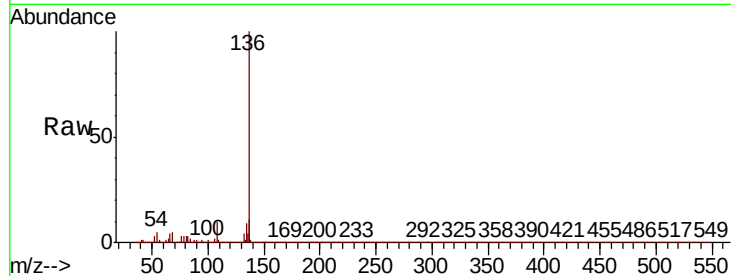
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	816350		
137	10.9		8.6	13.0
54	5.2		4.5	6.7
68	5.1		4.5	6.7

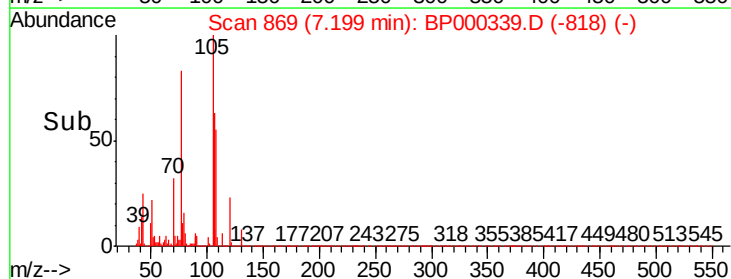
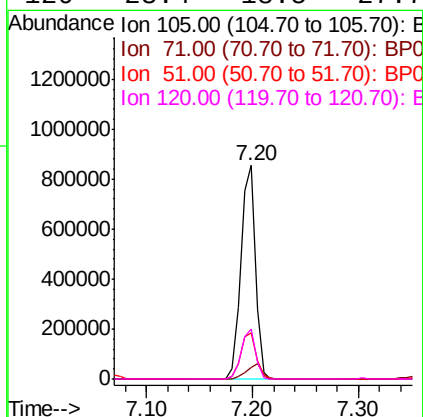
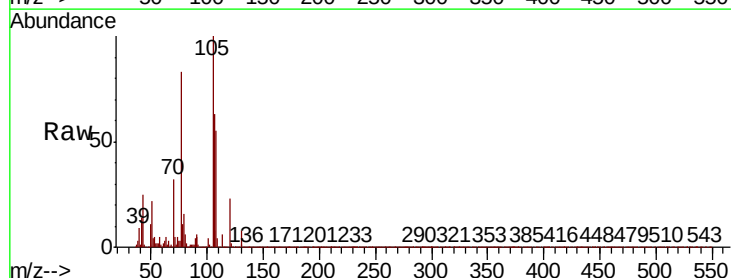
Manual Integrations
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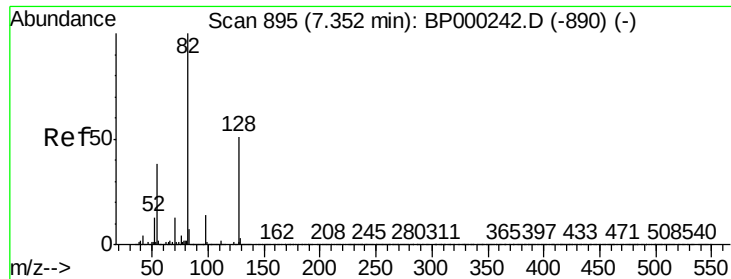
mohammad
9/20/2019 1:10:04 PM



#22
Acetophenone
Concen: 44.814 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	792806		
71	5.4		5.2	7.8
51	21.6		16.6	24.8
120	23.4		18.5	27.7





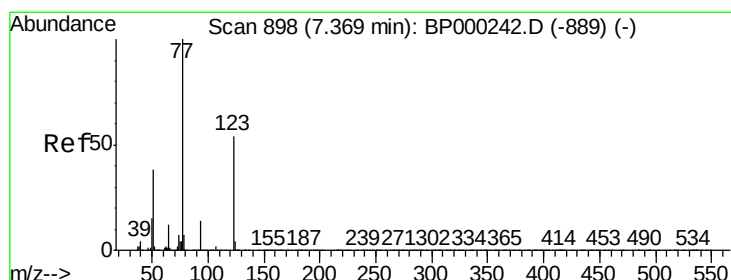
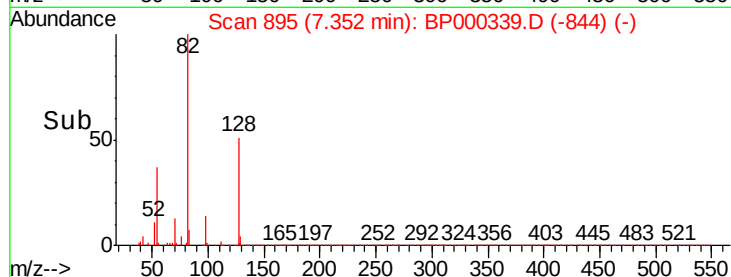
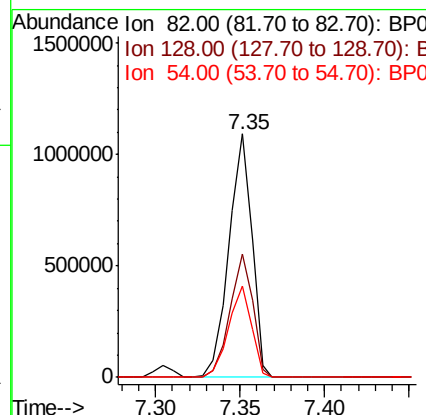
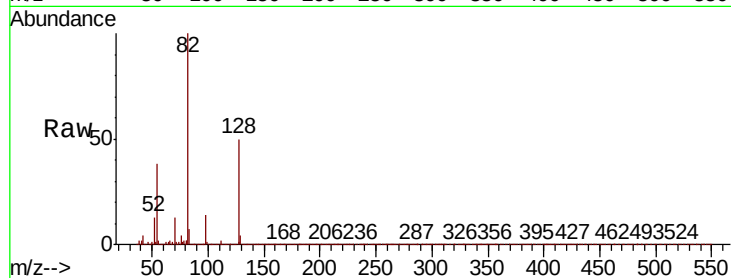
#23
 Nitrobenzene-d5
 Concen: 81.467 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: BP000339.D
 Acq: 19 Sep 2019 18:52

Instrument :
 BNA_P
 ClientSampled :
 TH-4MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.4	40.7	61.1
54	37.7	30.1	45.1

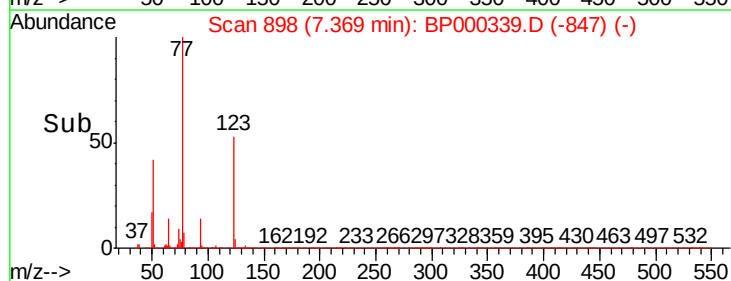
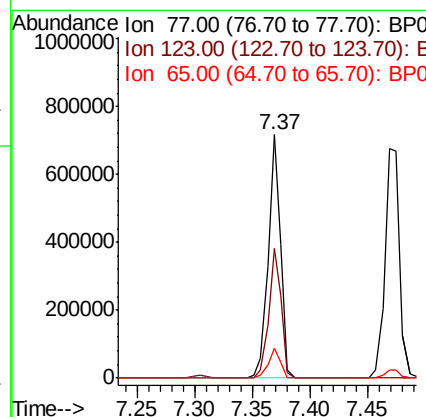
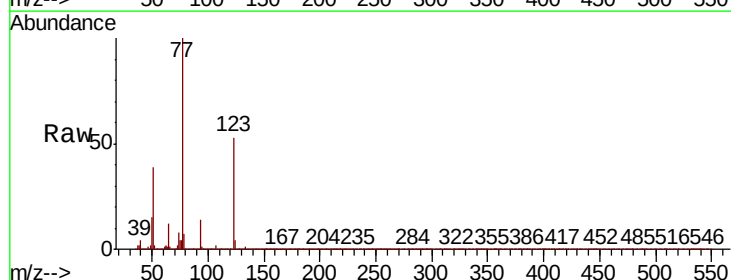
Manual Integrations
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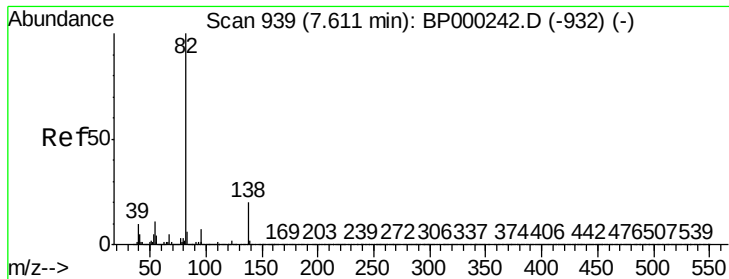
mohammad
 9/20/2019 1:10:04 PM



#24
 Nitrobenzene
 Concen: 41.228 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: BP000339.D
 Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
77	100		
123	53.3	43.1	64.7
65	12.3	9.4	14.2





#25

Isophorone

Concen: 40.001 ng

RT: 7.61 min Scan# 939

Delta R.T. -0.00 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Instrument :

BNA_P

ClientSampleId :

TH-4MS

Tot Ion: 82 Resp: 1002188

Ion Ratio Lower Upper

82 100

95 7.9 5.9 8.9

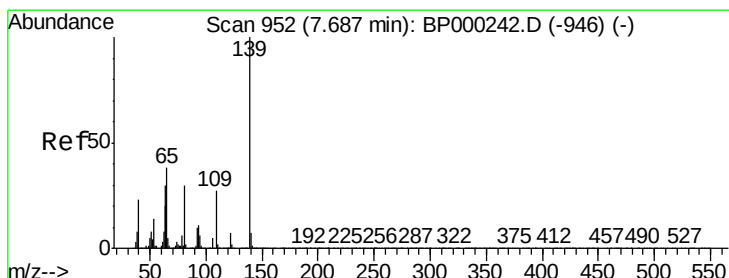
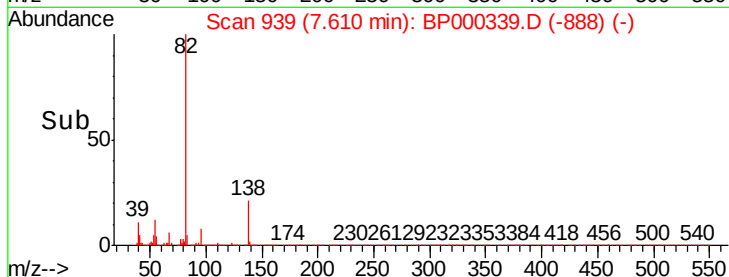
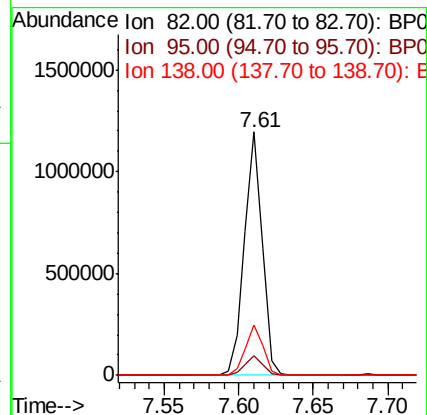
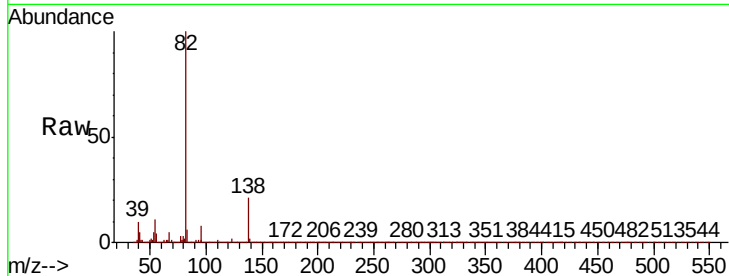
138 20.9 15.9 23.9

Manual Integrations

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#26

2-Nitrophenol

Concen: 29.932 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.00 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

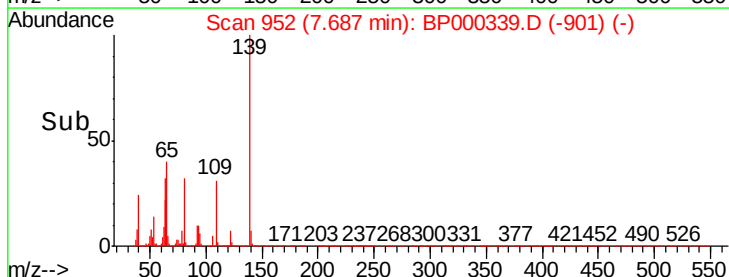
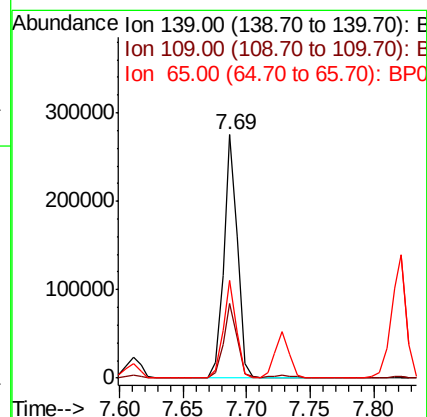
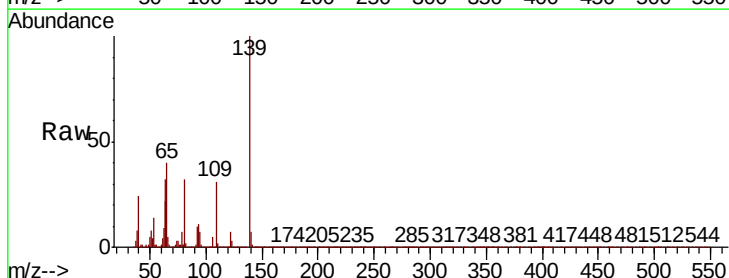
Tgt Ion: 139 Resp: 208544

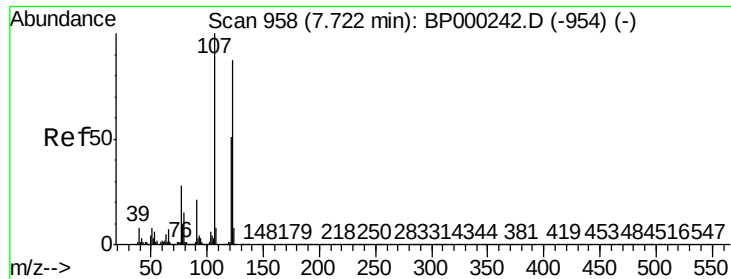
Ion Ratio Lower Upper

139 100

109 30.9 21.8 32.6

65 39.9 30.5 45.7





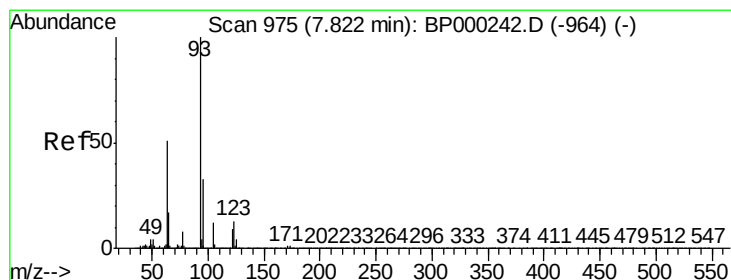
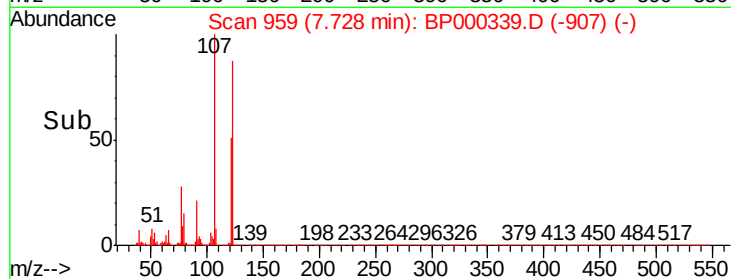
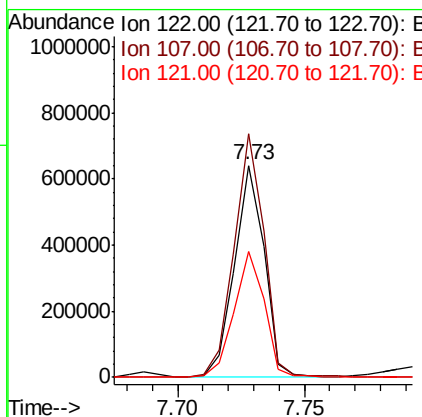
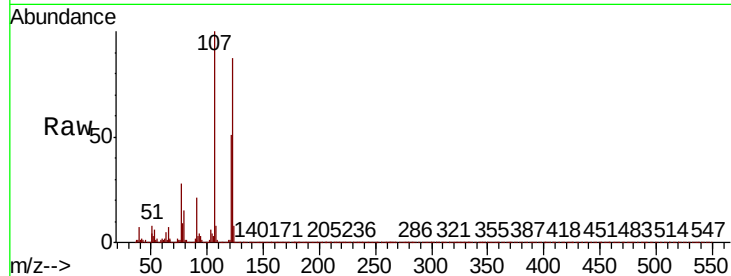
#27
2,4-Dimethylphenol
Concen: 47.185 ng
RT: 7.73 min Scan# 959
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampled :
TH-4MS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	523655		
107	114.9	91.5	137.3	
121	59.1	46.9	70.3	

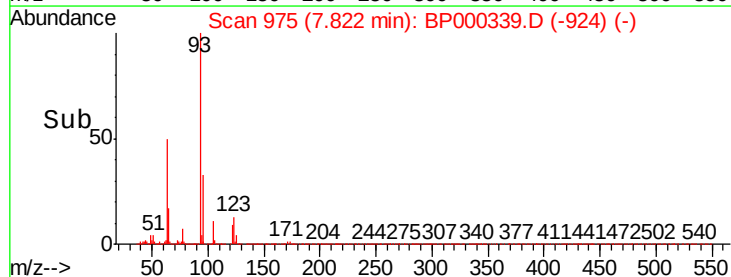
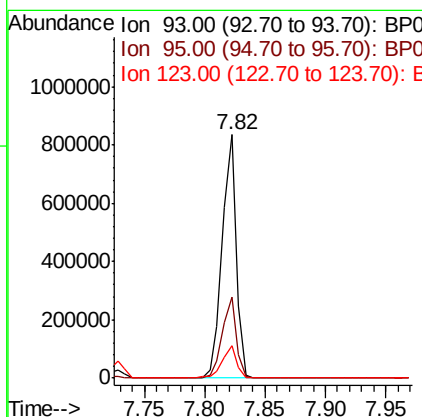
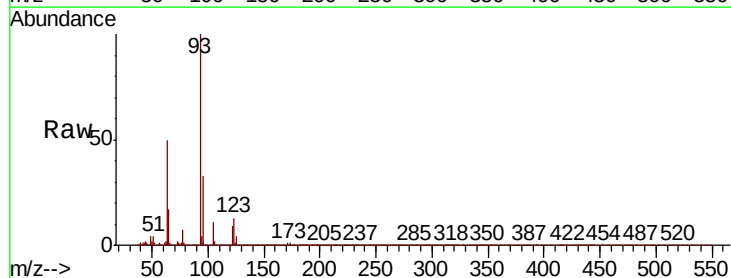
Manual Integrations
APPROVED

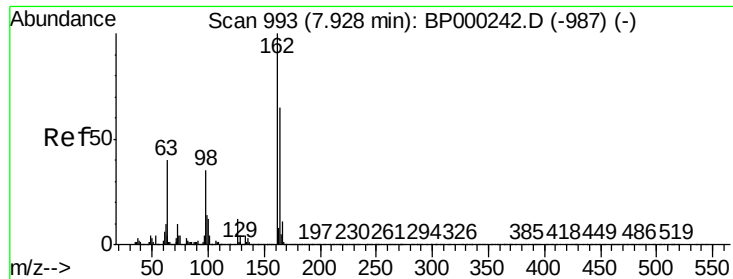
mohammad
9/20/2019 1:10:04 PM



#28
bis(2-Chloroethoxy)methane
Concen: 40.005 ng
RT: 7.82 min Scan# 975
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	666624		
95	33.1	26.2	39.4	
123	13.1	10.2	15.2	





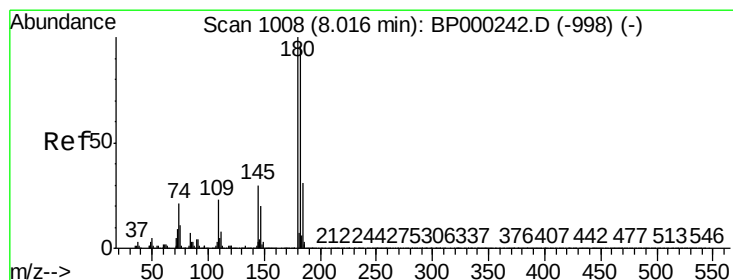
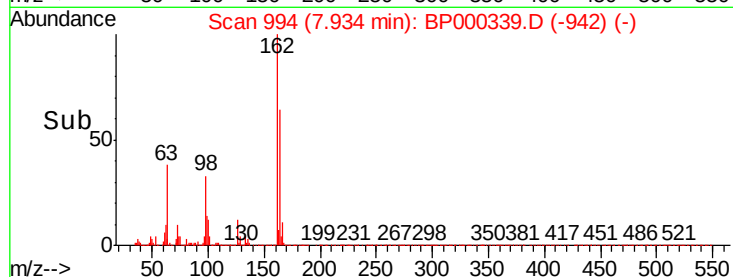
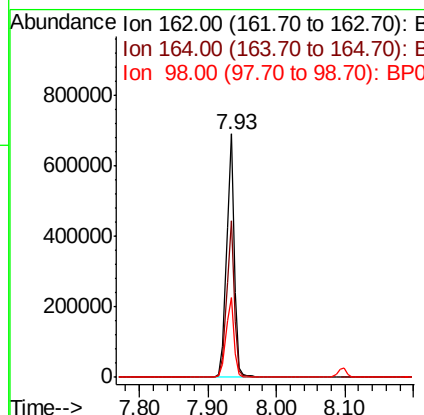
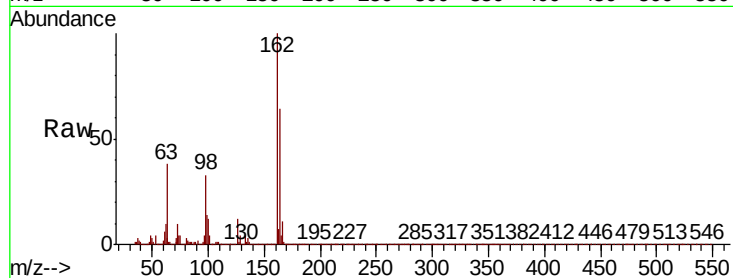
#29
2,4-Dichlorophenol
Concen: 44.861 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	533589		
164	64.4		44.5	84.5
98	32.9		15.2	55.2

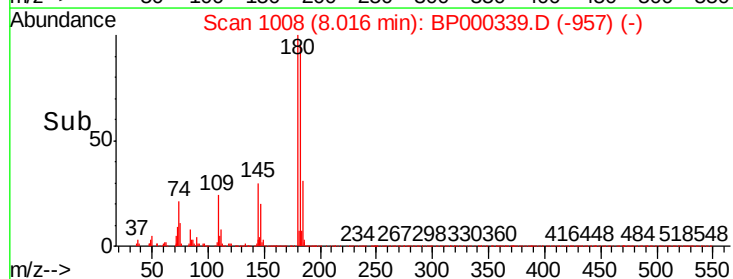
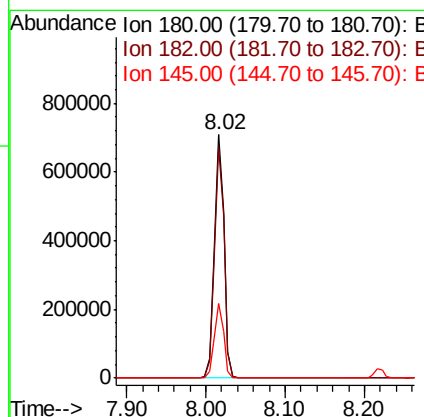
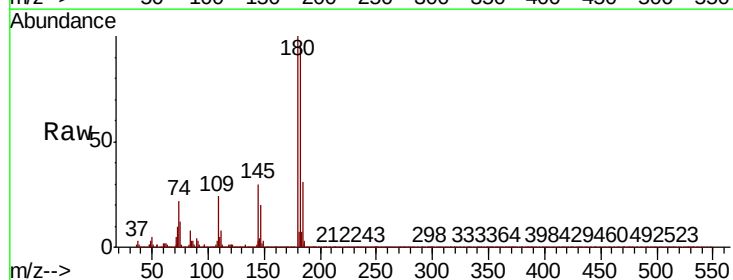
Manual Integrations
APPROVED

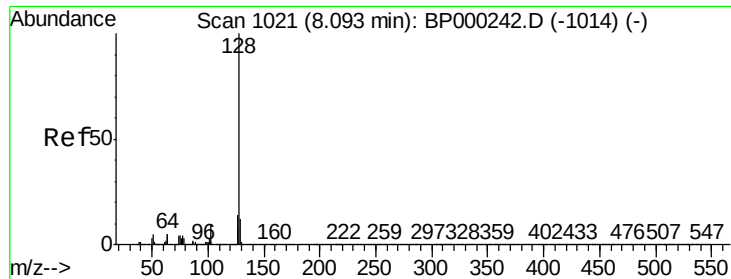
mohammad
9/20/2019 1:10:04 PM



#30
1,2,4-Trichlorobenzene
Concen: 42.929 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	585267		
182	94.8		77.2	115.8
145	30.4		24.3	36.5





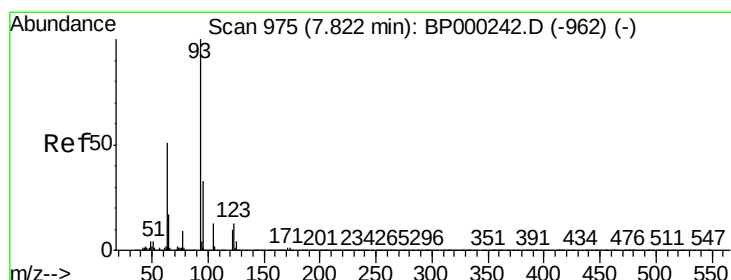
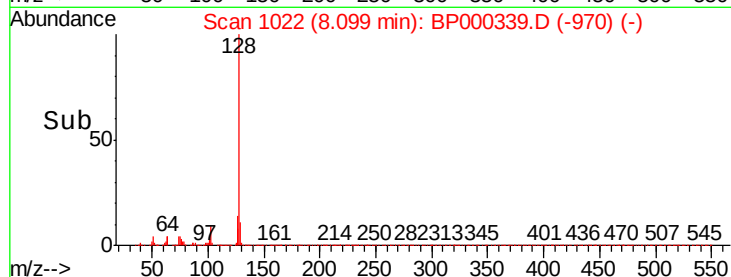
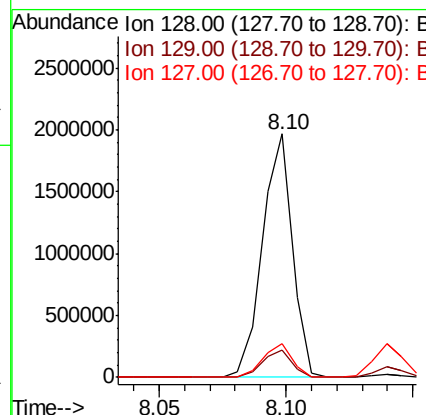
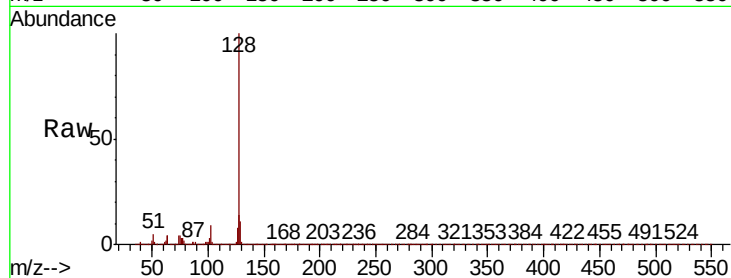
#31
Naphthalene
Concen: 43.011 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampled :
TH-4MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	13.6	11.0	16.6

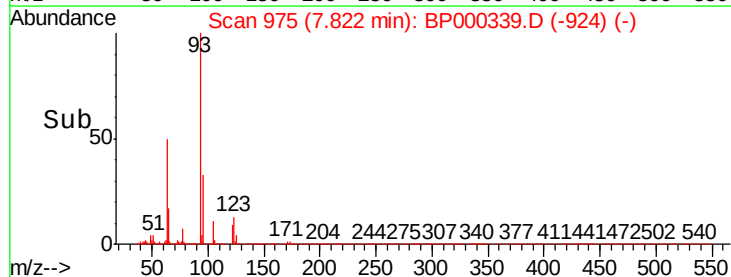
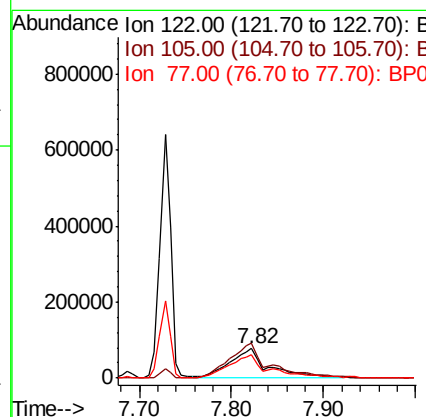
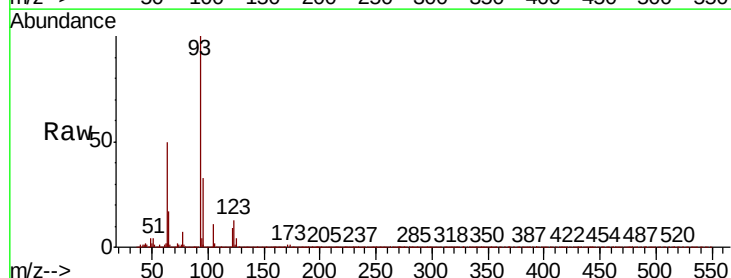
Manual Integrations
APPROVED

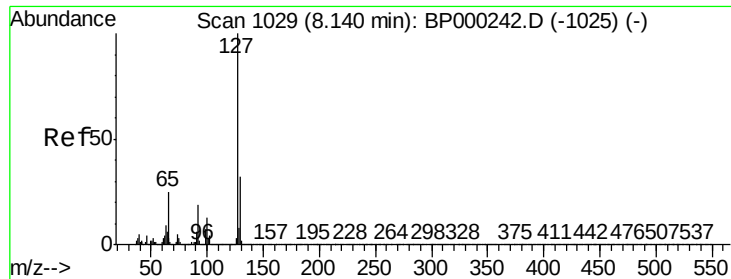
mohammad
9/20/2019 1:10:04 PM



#32
Benzoic acid
Concen: 30.924 ng m
RT: 7.82 min Scan# 975
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
122	100		
105	119.0	105.4	145.4
77	79.7	65.3	105.3





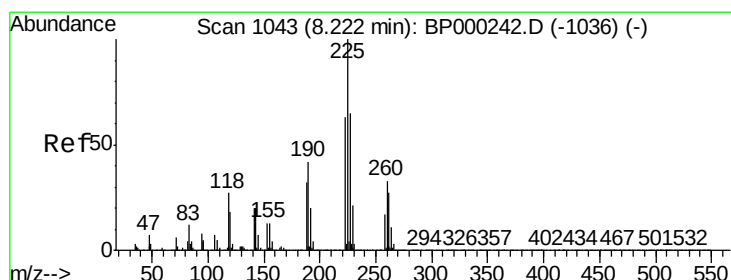
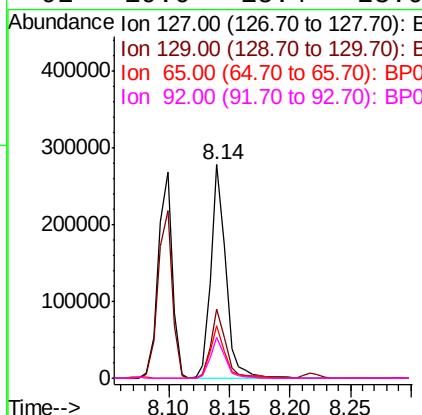
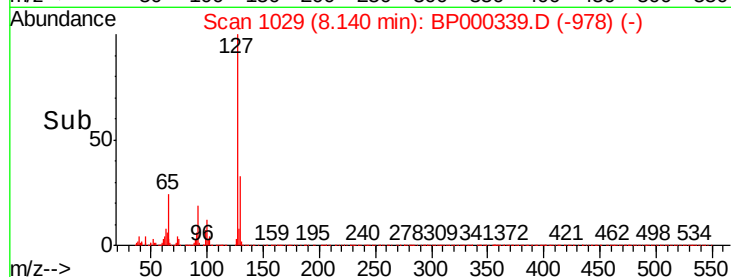
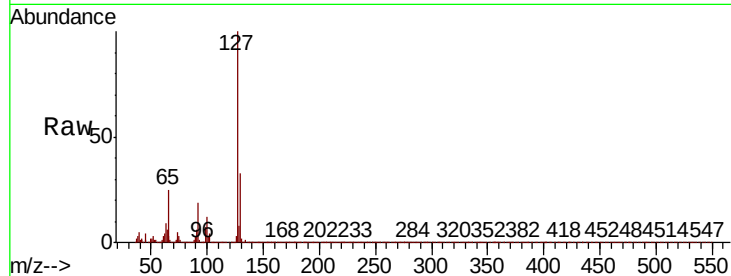
#33
4-Chloroaniline
Concen: 13.758 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.7	25.7	38.5		
65	24.7	19.9	29.9		
92	19.0	15.4	23.0		

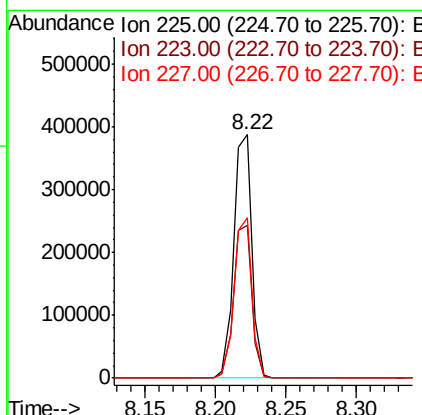
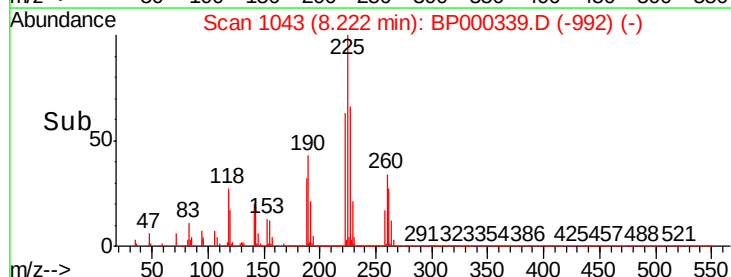
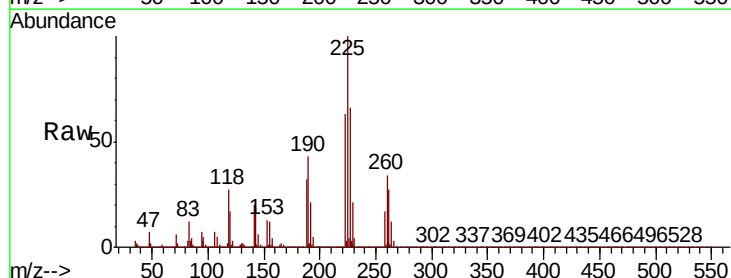
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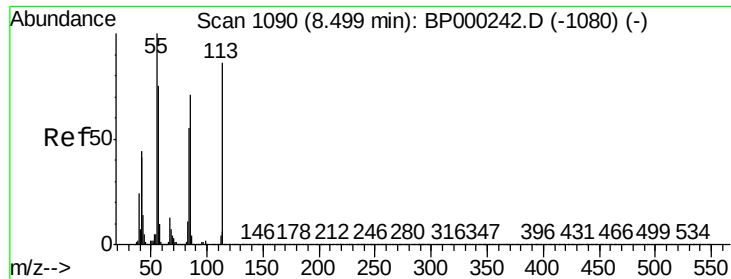
mohammad
9/20/2019 1:10:04 PM



#34
Hexachlorobutadiene
Concen: 42.722 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.9	50.2	75.2		
227	66.1	51.8	77.6		





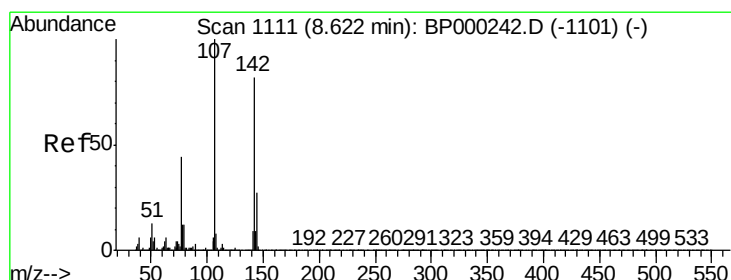
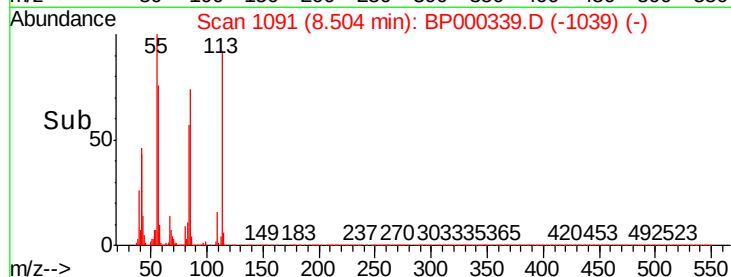
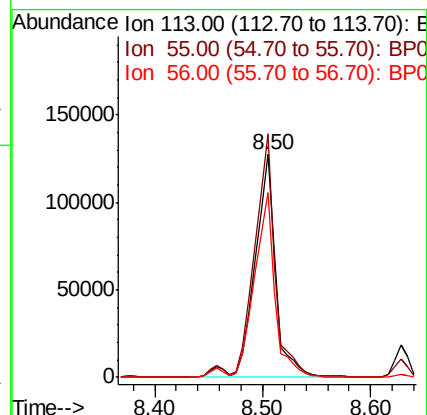
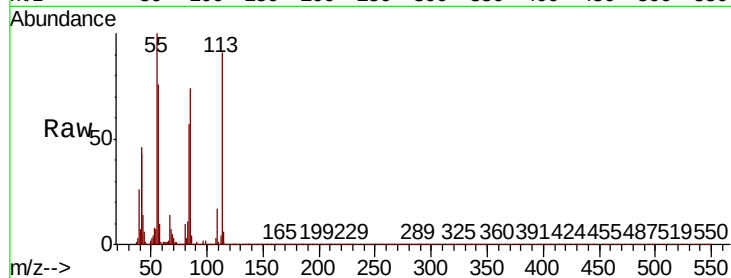
#35
Caprolactam
Concen: 42.128 ng/ml
RT: 8.50 min Scan# 1091
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	170456		
55	109.4	96.8	136.8	
56	83.0	67.5	107.5	

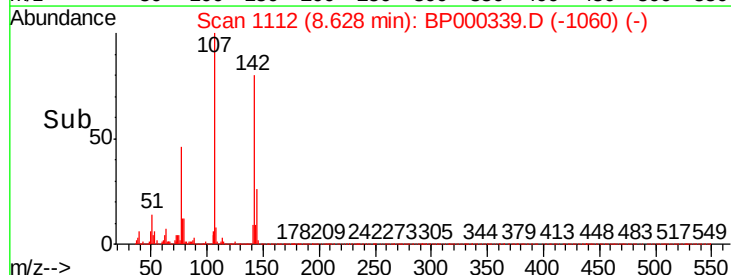
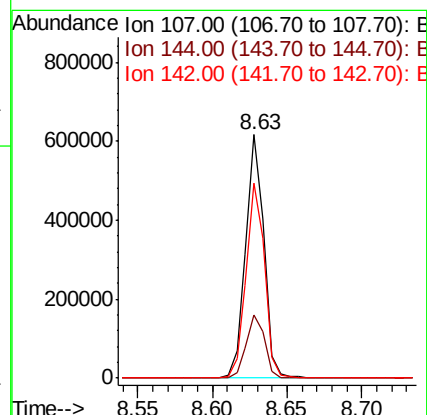
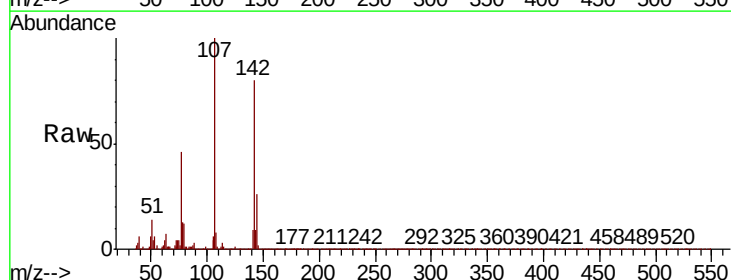
Manual Integrations
APPROVED

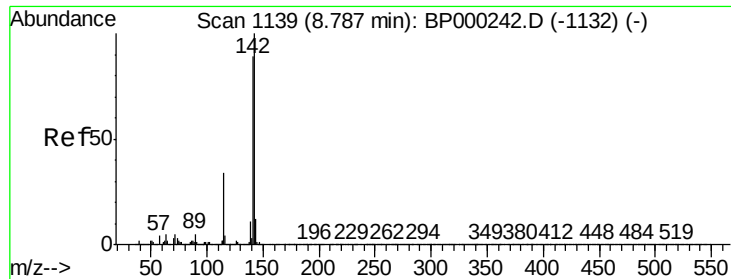
mohammad
9/20/2019 1:10:04 PM



#36
4-Chloro-3-methylphenol
Concen: 43.415 ng/ml
RT: 8.63 min Scan# 1112
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	524217		
144	25.7	21.5	32.3	
142	79.8	65.7	98.5	





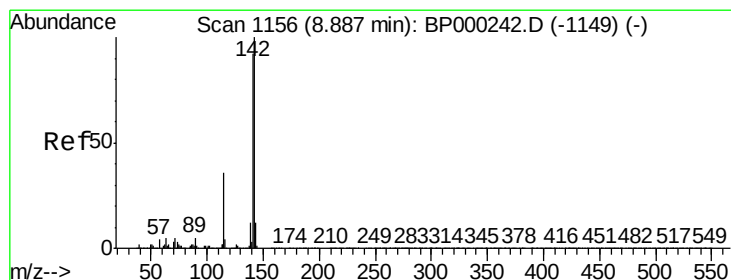
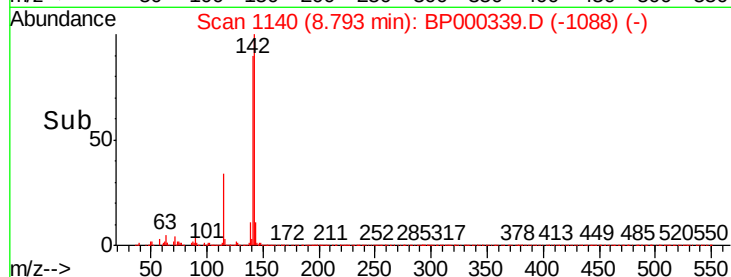
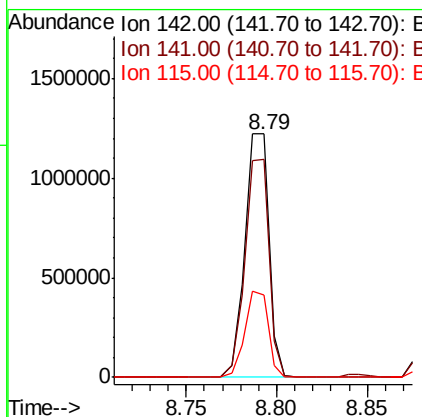
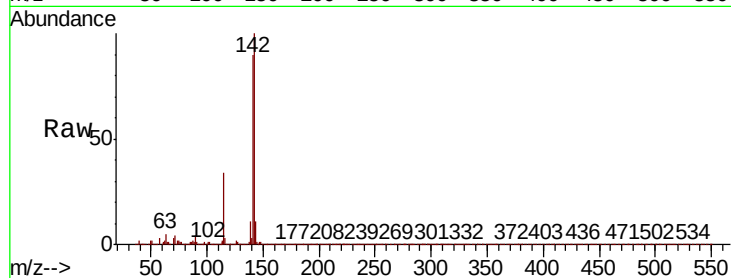
#37
2-Methylnaphthalene
Concen: 43.666 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.3	106.9
115	33.7	27.2	40.8

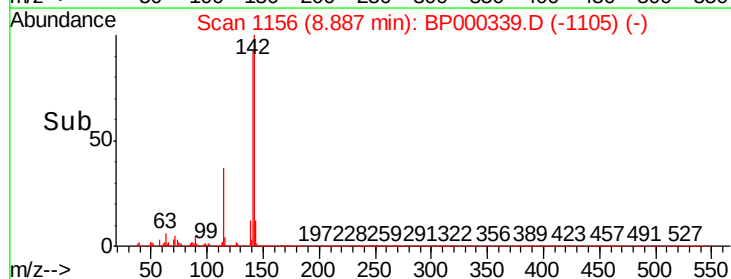
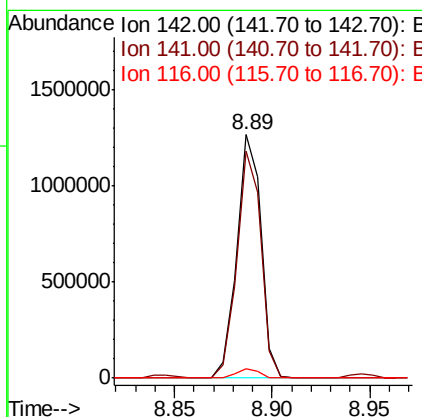
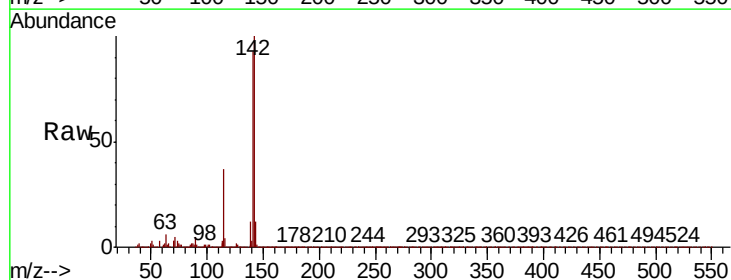
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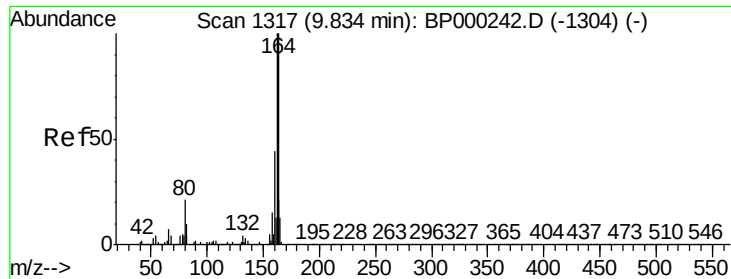
mohammad
9/20/2019 1:10:04 PM



#38
1-Methylnaphthalene
Concen: 44.735 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.9	110.9
116	3.9	3.0	4.6





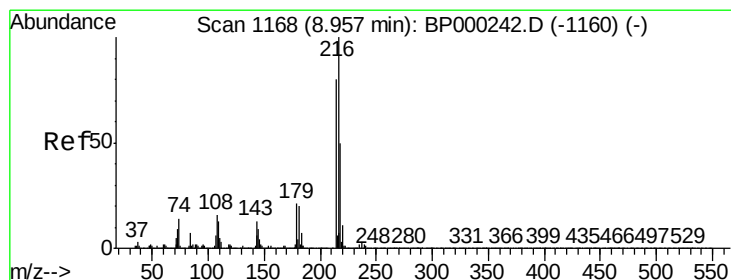
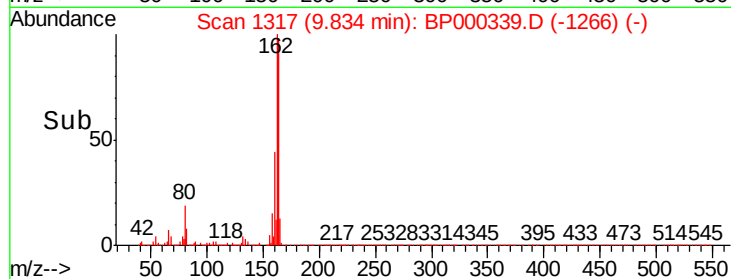
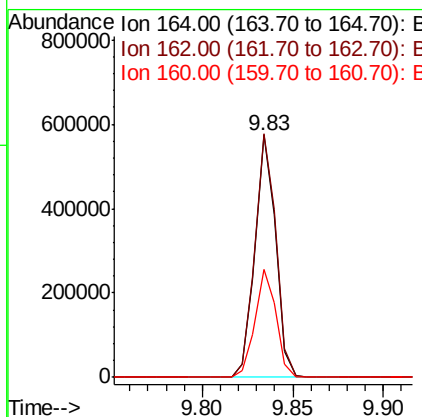
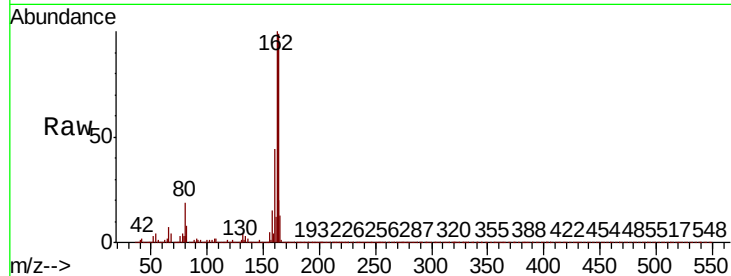
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.6	79.9	119.9	
160	44.4	35.6	53.4	

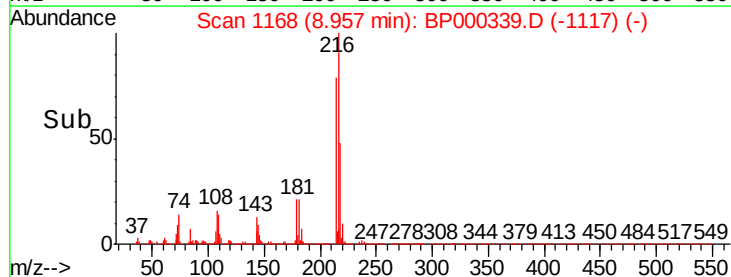
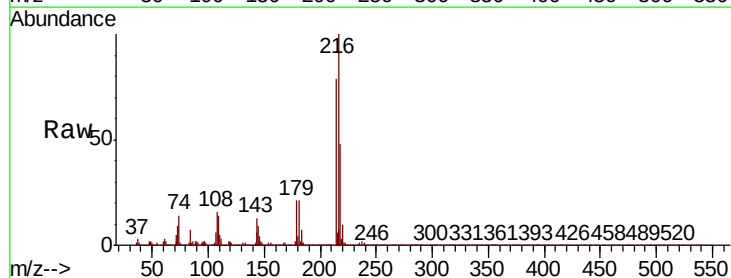
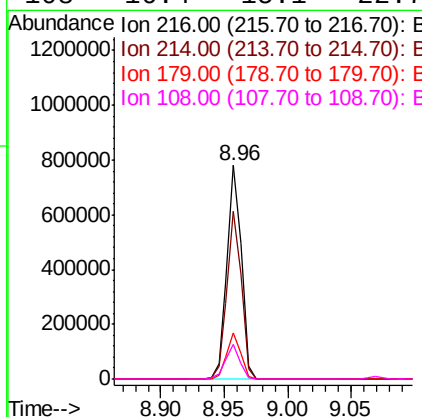
Manual Integrations
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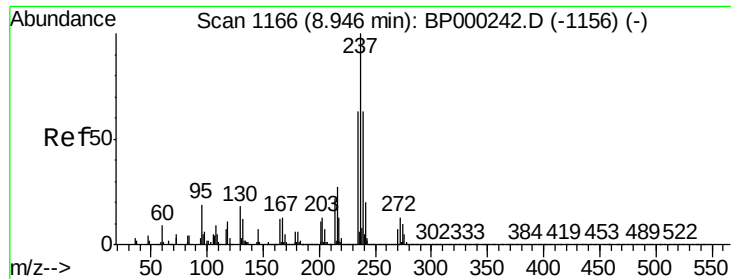
mohammad
9/20/2019 1:10:04 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.161 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.4	63.6	95.4	
179	20.8	17.0	25.4	
108	16.4	15.1	22.7	





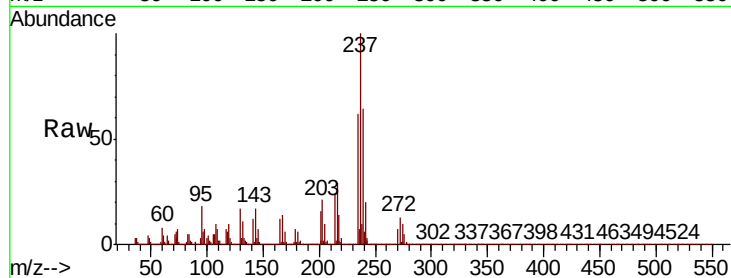
#41
Hexachlorocyclopentadiene
Concen: 21.262 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampled :
TH-4MS

Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	62.2	43.5	83.5	
272	13.1	0.0	33.0	

Manual Integrations
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9/20/2019 1:10:04 PM

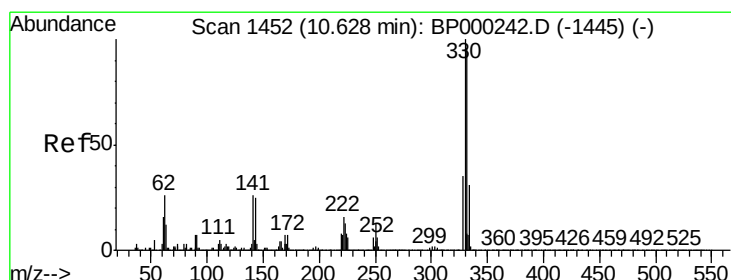
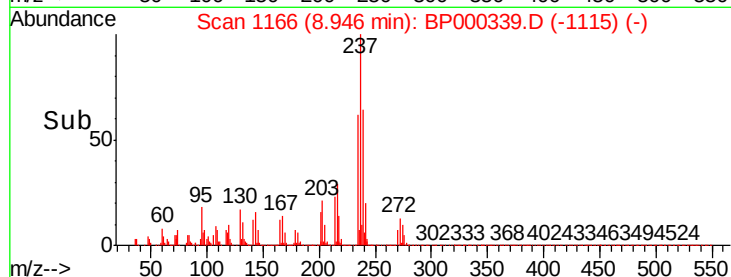
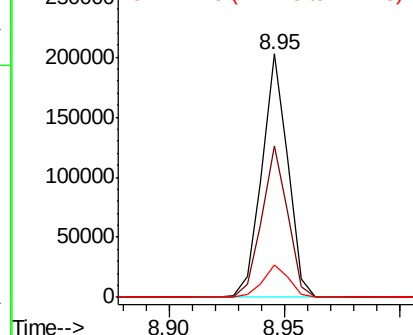


Abundance

Ion 236.80 (236.50 to 237.50): E

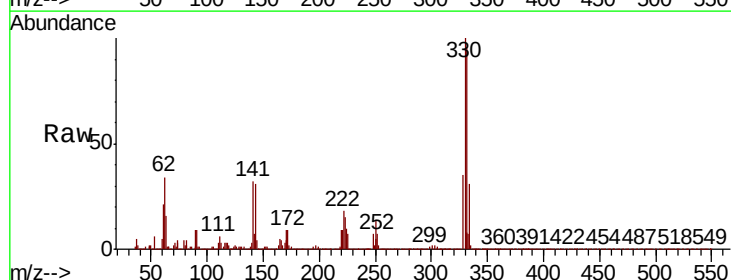
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42
2,4,6-Tribromophenol
Concen: 129.461 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	76.6	115.0	
141	29.9	26.5	39.7	

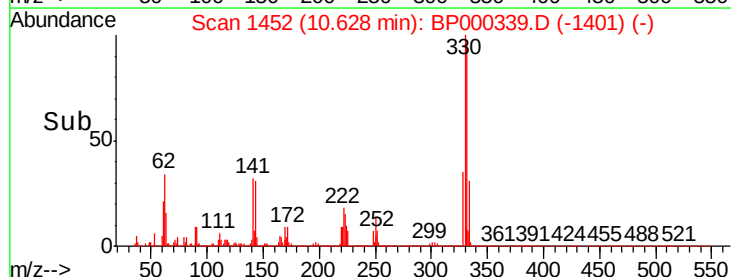
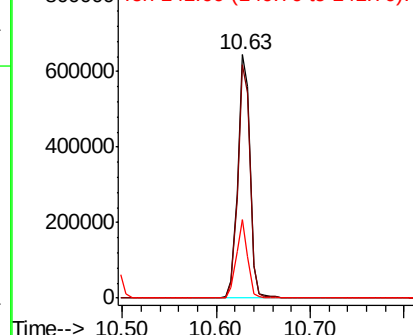


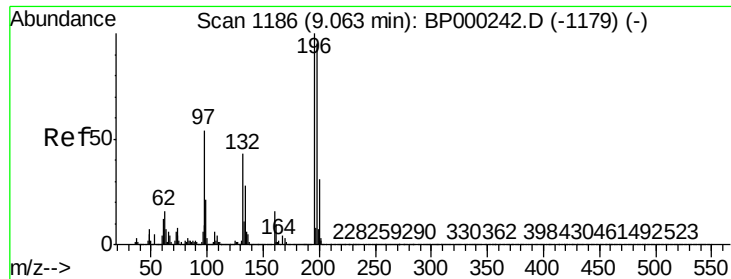
Abundance

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





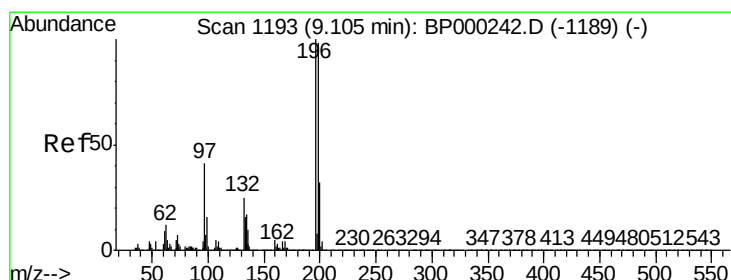
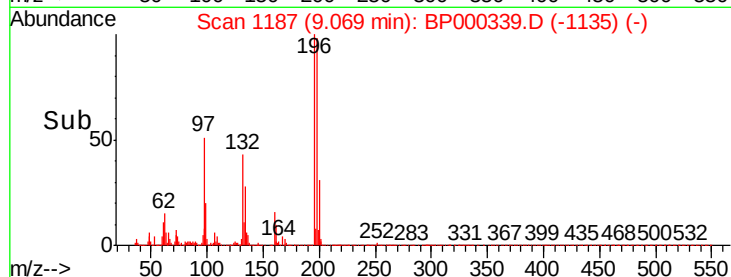
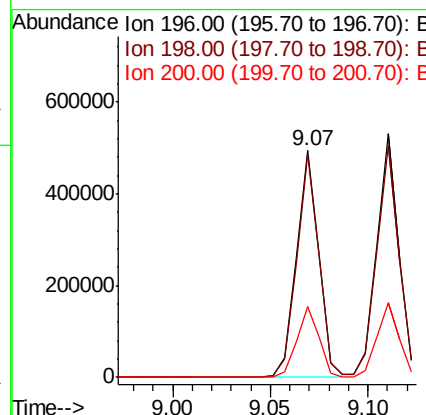
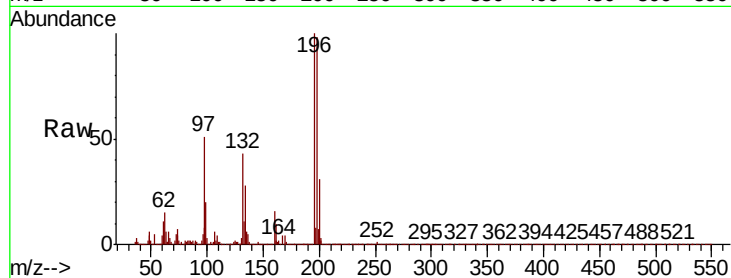
#43
2,4,6-Trichlorophenol
Concen: 43.044 ng
RT: 9.07 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	388038		
198	98.3	76.0	114.0	
200	31.5	24.6	37.0	

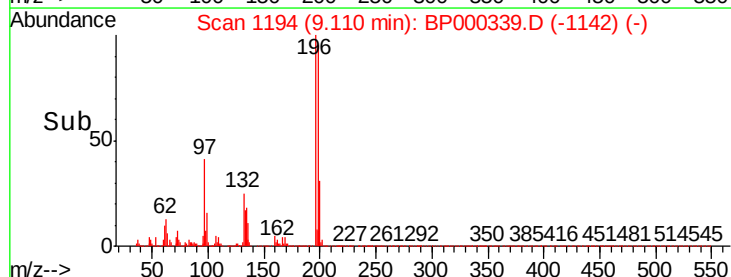
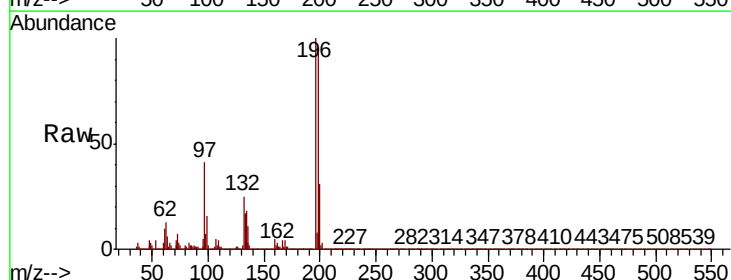
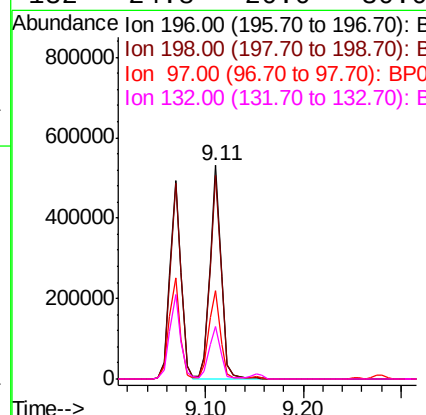
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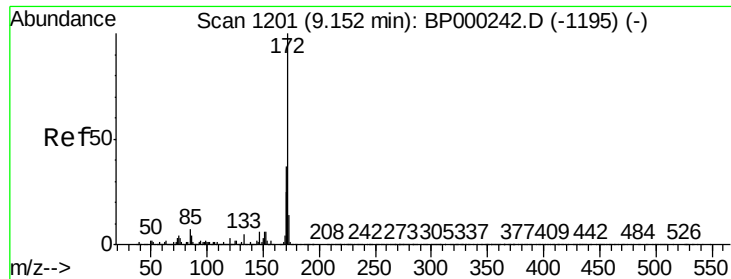
mohammad
9/20/2019 1:10:04 PM



#44
2,4,5-Trichlorophenol
Concen: 45.829 ng
RT: 9.11 min Scan# 1194
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	423051		
198	95.1	78.1	117.1	
97	41.4	33.3	49.9	
132	24.8	20.0	30.0	





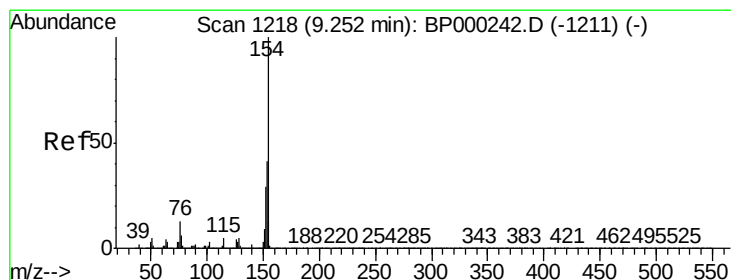
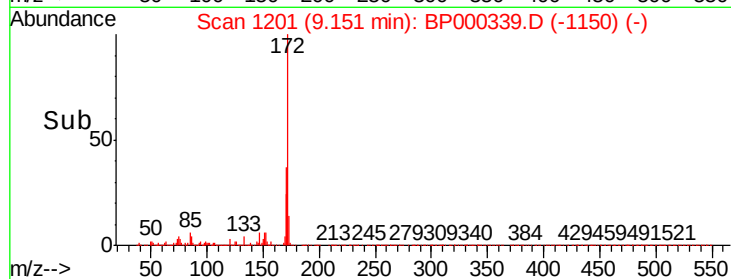
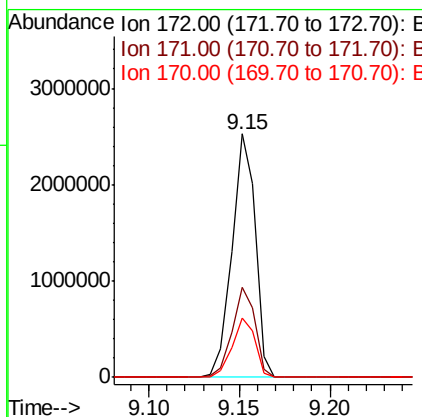
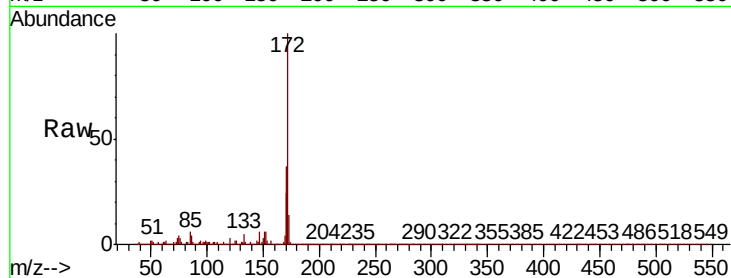
#45
2-Fluorobiphenyl
Concen: 89.131 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.8	44.6
170	24.4	19.8	29.6

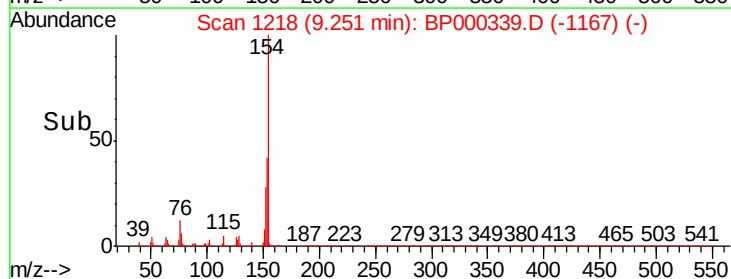
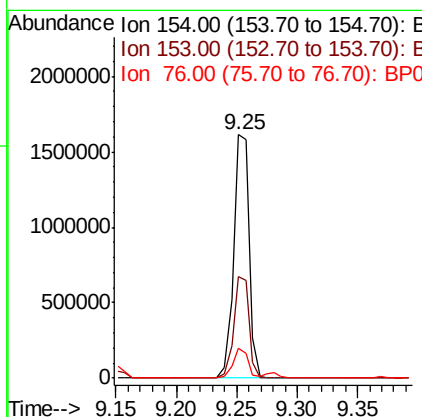
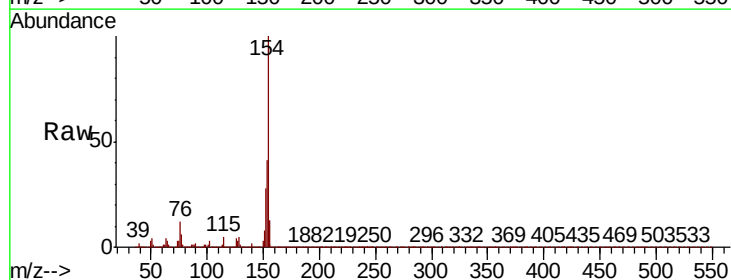
Manual Integrations
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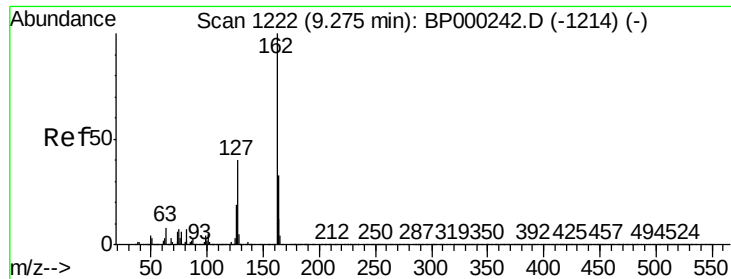
mohammad
9/20/2019 1:10:04 PM



#46
1,1'-Biphenyl
Concen: 45.589 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.4	61.4
76	12.0	0.0	33.4





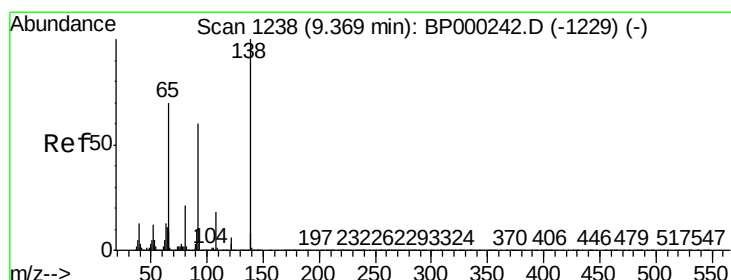
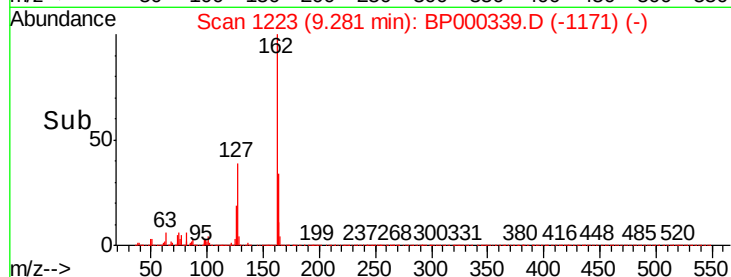
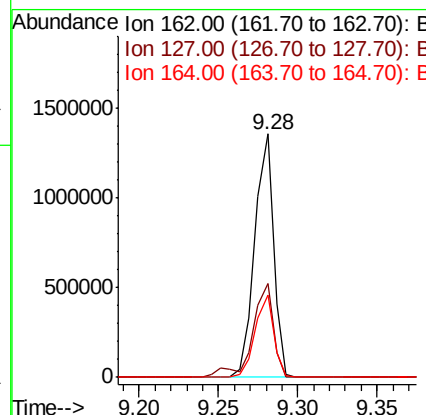
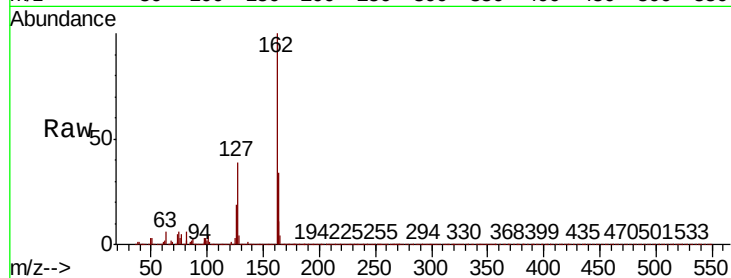
#47
2-Chloronaphthalene
Concen: 42.394 ng
RT: 9.28 min Scan# 1223
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampled :
TH-4MS

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.8	32.4	48.6
164	33.6	26.3	39.5

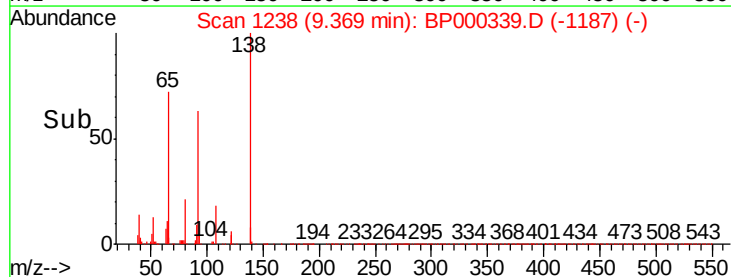
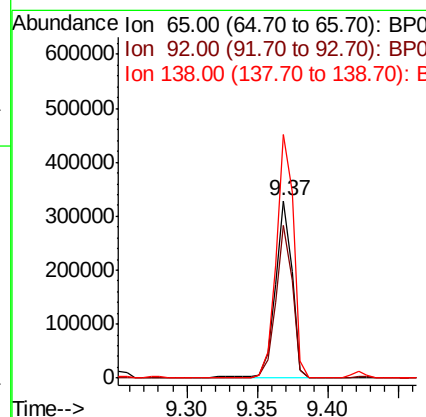
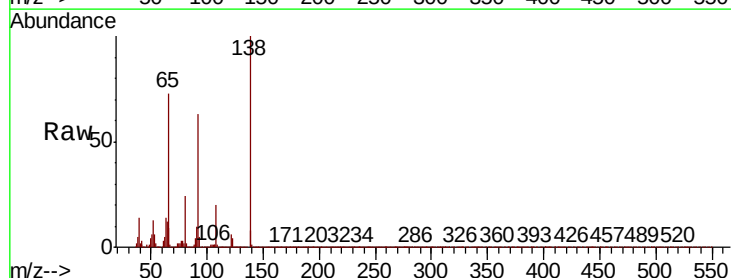
Manual Integrations
APPROVED

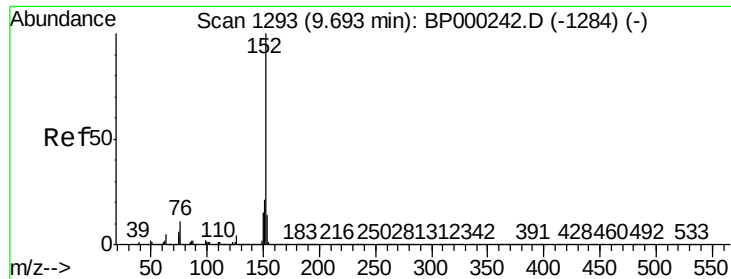
mohammad
9/20/2019 1:10:04 PM



#48
2-Nitroaniline
Concen: 40.993 ng
RT: 9.37 min Scan# 1238
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
65	100		
92	86.1	68.7	103.1
138	137.5	114.4	171.6





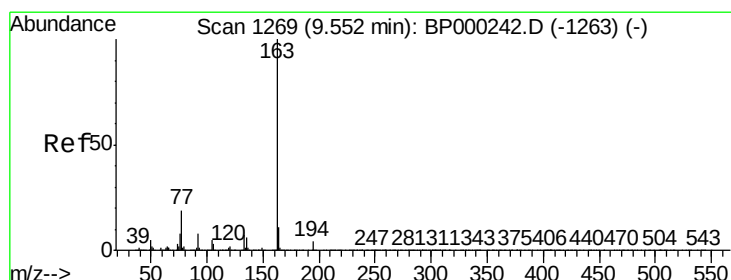
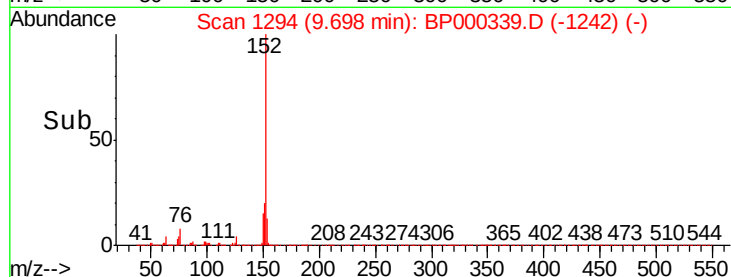
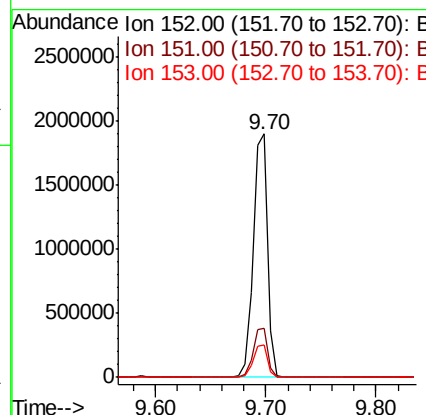
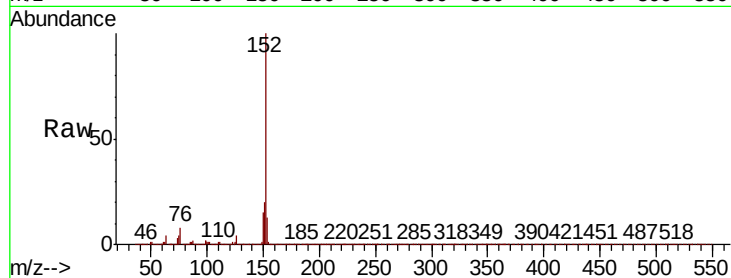
#49
Acenaphthylene
Concen: 43.335 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6
153	13.1	11.0	16.4

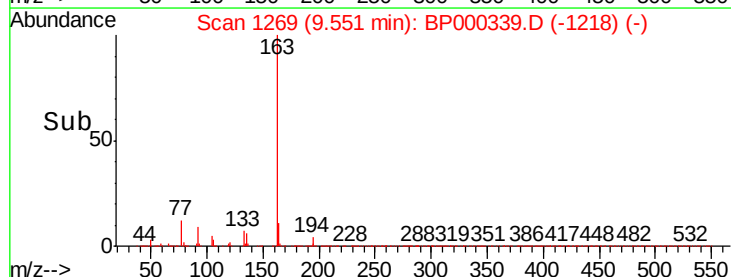
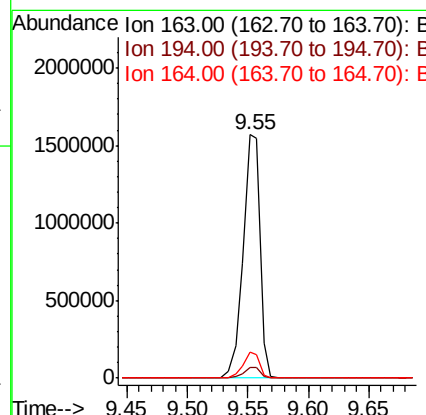
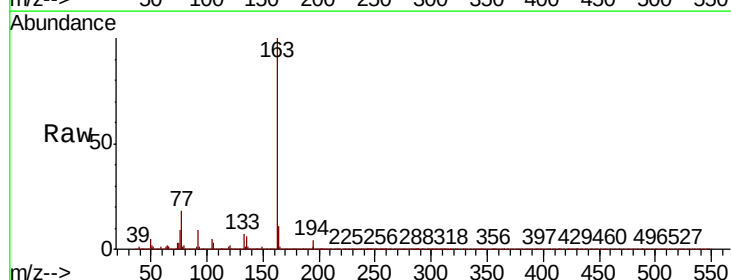
Manual Integrations
APPROVED

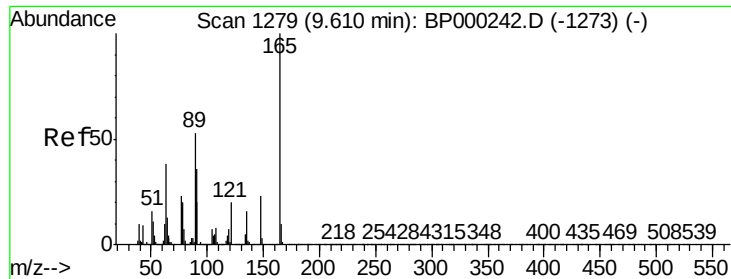
mohammad
9/20/2019 1:10:04 PM



#50
Dimethylphthalate
Concen: 49.533 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.6	8.5	12.7





#51

2,6-Dinitrotoluene

Concen: 38.928 ng

RT: 9.62 min Scan# 1280

Delta R.T. 0.01 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Instrument :

BNA_P

ClientSampleId :

TH-4MS

Tot Ion:165 Resp: 265729

Ion Ratio Lower Upper

165 100

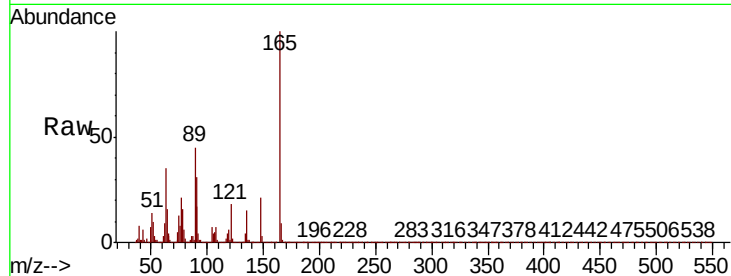
63 34.9 35.8 53.8#

89 44.8 42.6 63.8

Manual Integrations
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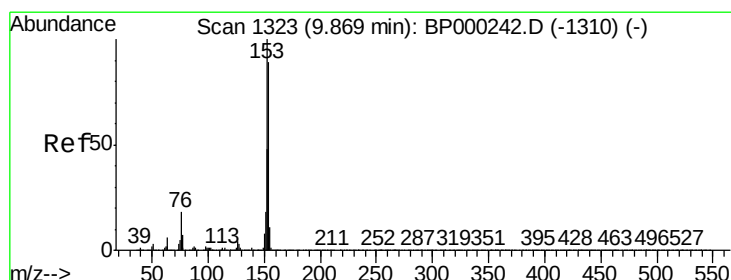
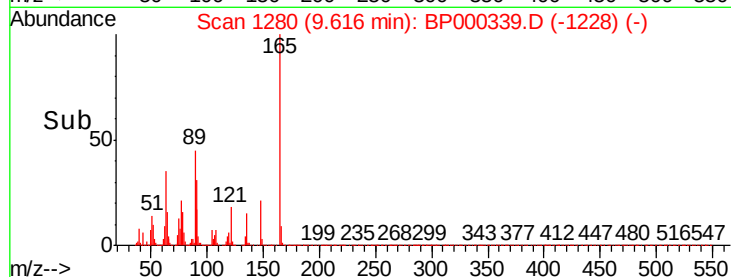
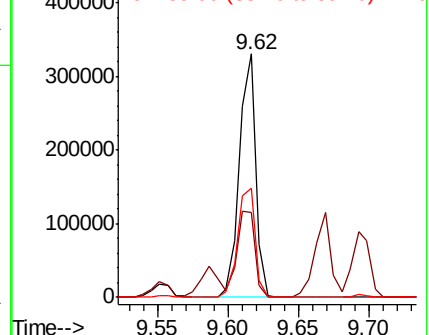
9/20/2019 1:10:04 PM



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0



#52

Acenaphthene

Concen: 40.375 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.00 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

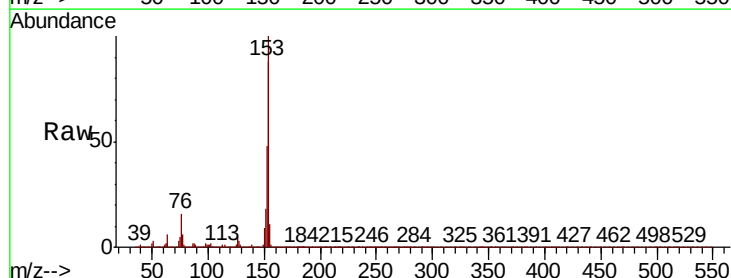
Tgt Ion:154 Resp: 1012727

Ion Ratio Lower Upper

154 100

153 113.5 89.8 134.6

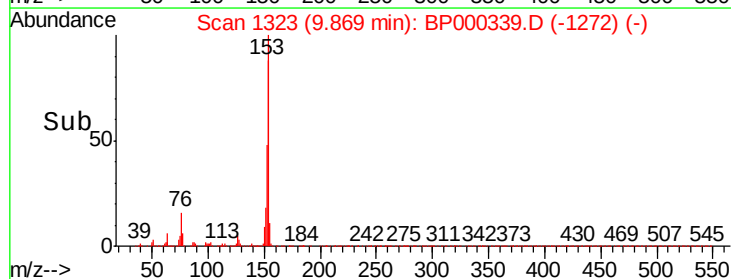
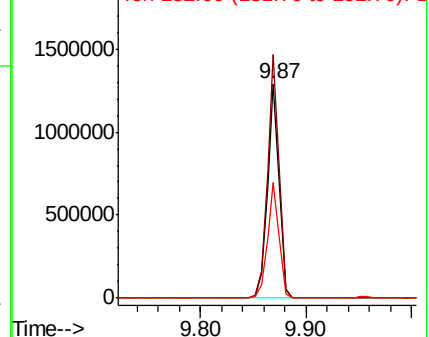
152 54.1 43.4 65.0

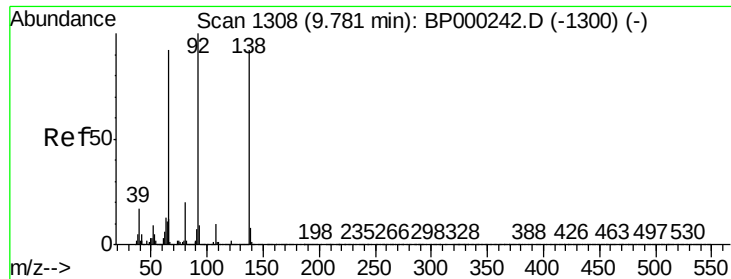


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





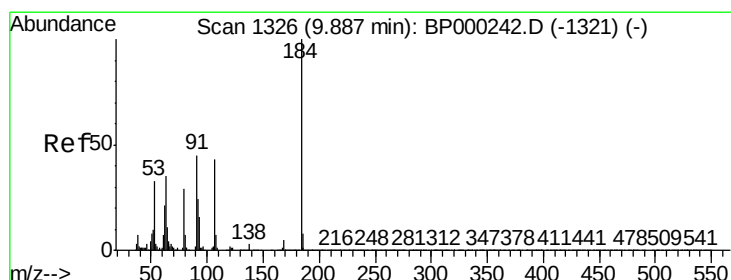
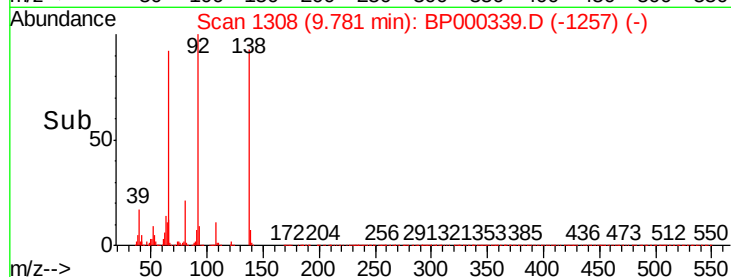
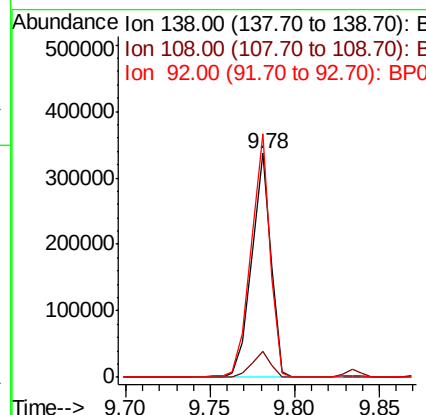
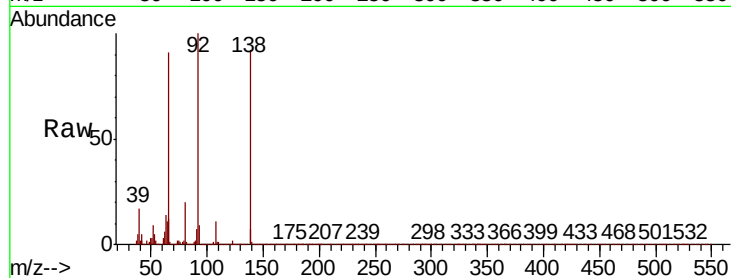
#53
3-Nitroaniline
Concen: 34.074 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampled :
TH-4MS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.7	9.1	13.7
92	108.7	86.7	130.1

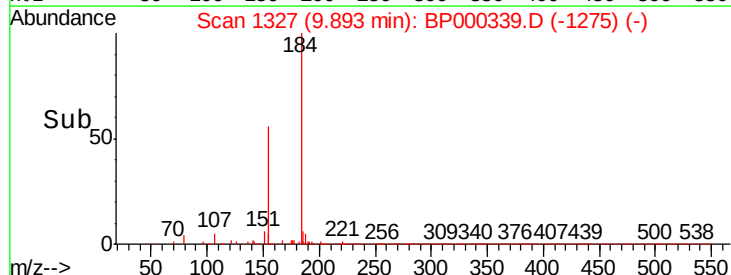
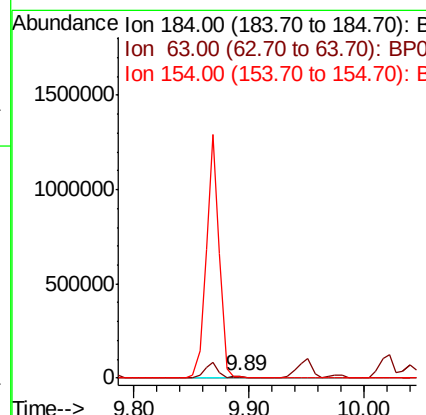
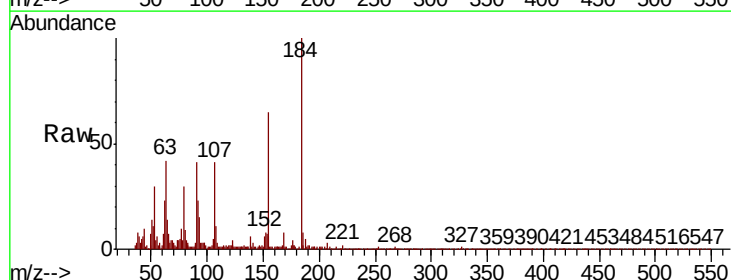
Manual Integrations
APPROVED

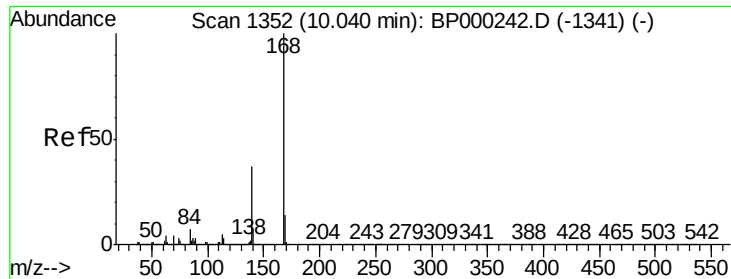
mohammad
9/20/2019 1:10:04 PM



#54
2,4-Dinitrophenol
Concen: 2.936 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
184	100		
63	42.2	39.5	59.3
154	65.0	48.8	73.2





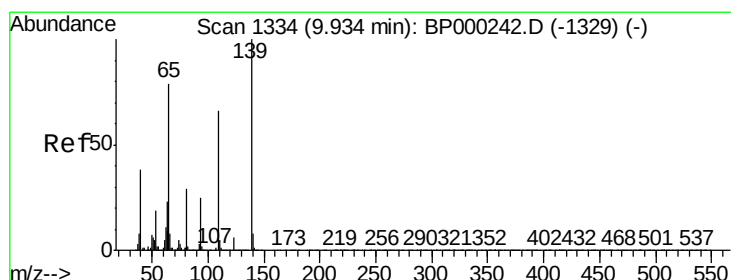
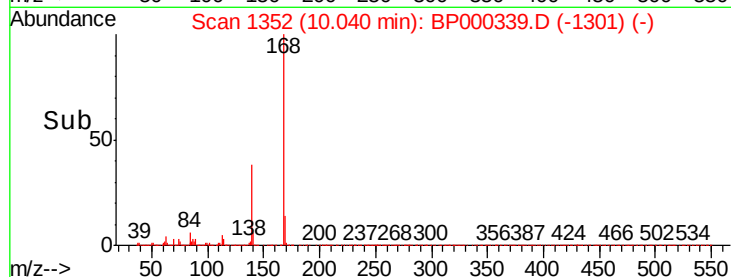
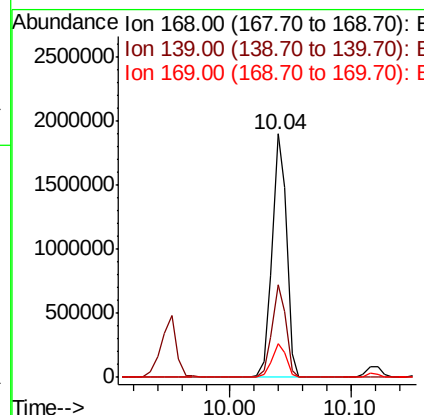
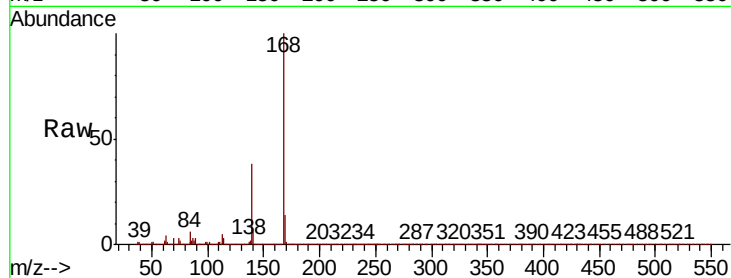
#55
Dibenzofuran
Concen: 44.920 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampled :
TH-4MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.0	45.0
169	13.8	11.0	16.6

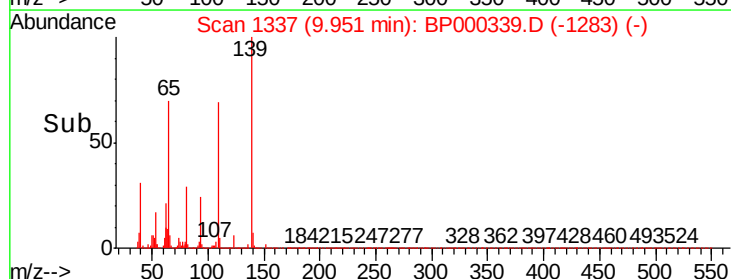
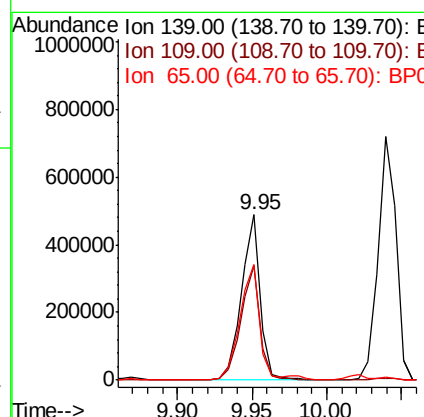
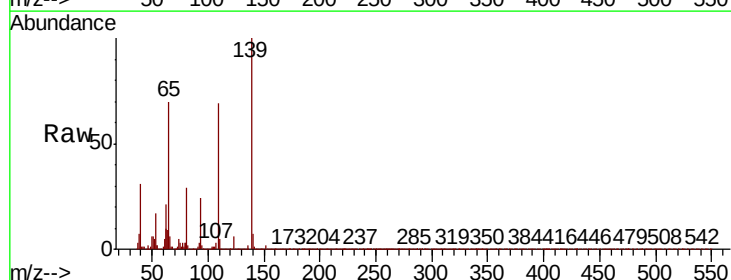
Manual Integrations
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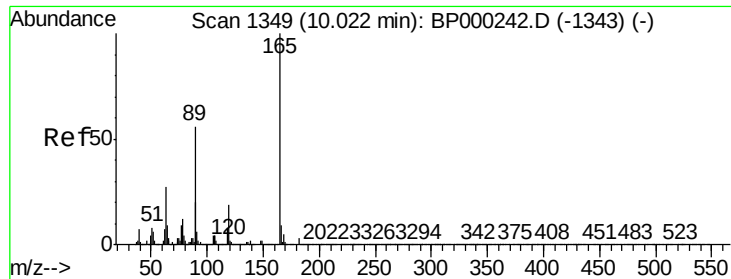
mohammad
9/20/2019 1:10:04 PM



#56
4-Nitrophenol
Concen: 73.338 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.02 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
139	100		
109	69.1	46.2	86.2
65	70.3	59.4	99.4





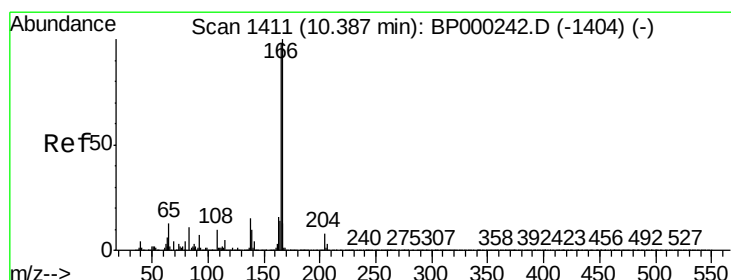
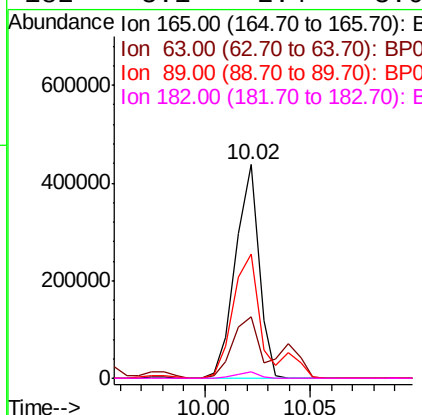
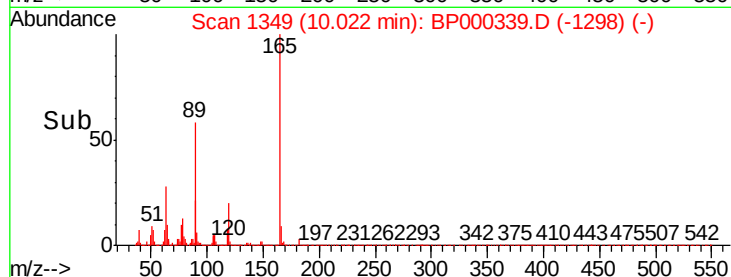
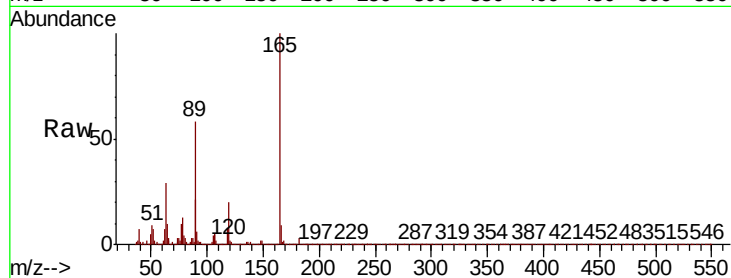
#57
2,4-Dinitrotoluene
Concen: 37.638 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	28.5	21.7	32.5	
89	58.0	45.0	67.6	
182	3.1	2.4	3.6	

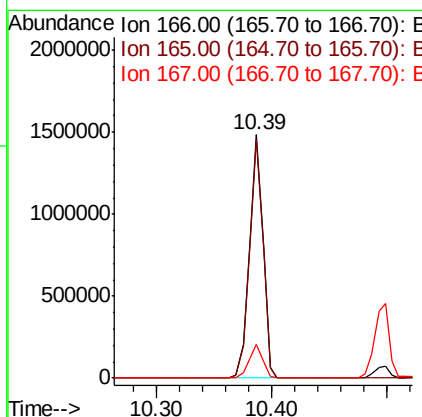
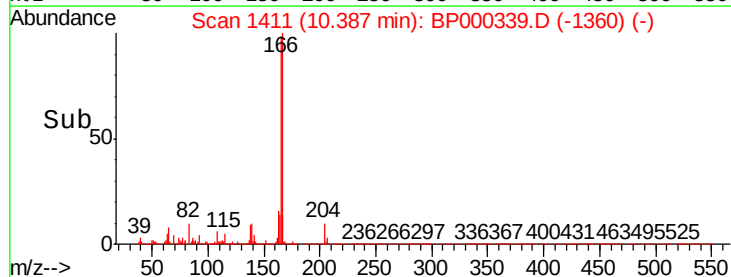
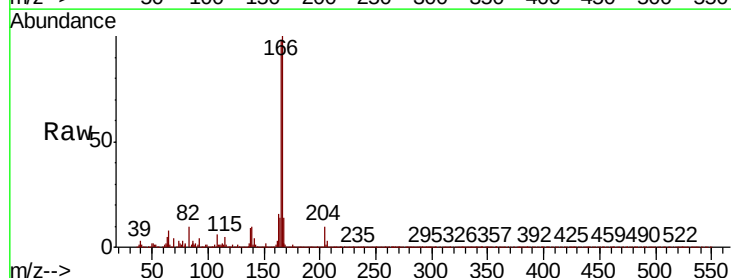
Manual Integrations
APPROVED

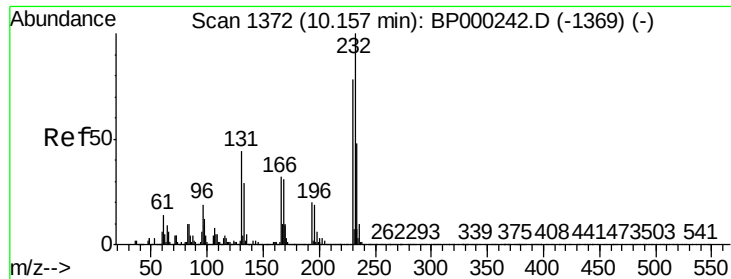
mohammad
9/20/2019 1:10:04 PM



#58
Fluorene
Concen: 43.696 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.9	78.2	117.2	
167	13.6	10.7	16.1	





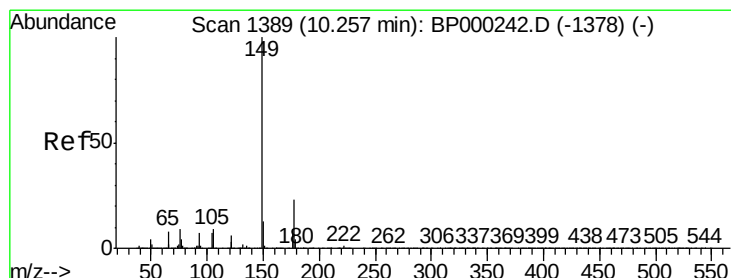
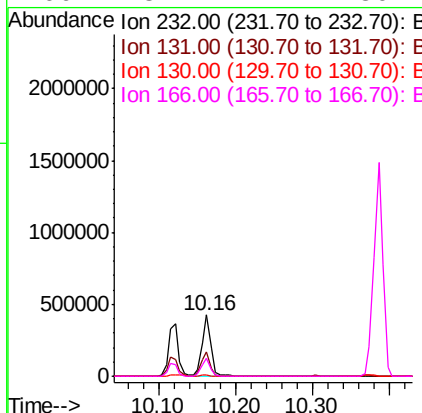
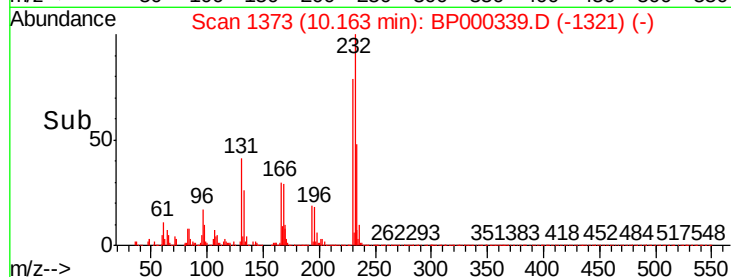
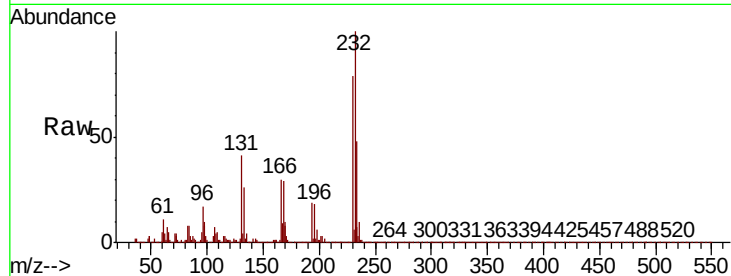
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.037 ng
RT: 10.16 min Scan# 1373
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		349686		
131	40.0		33.6	50.4	
130	2.2		1.8	2.6	
166	28.7		24.2	36.2	

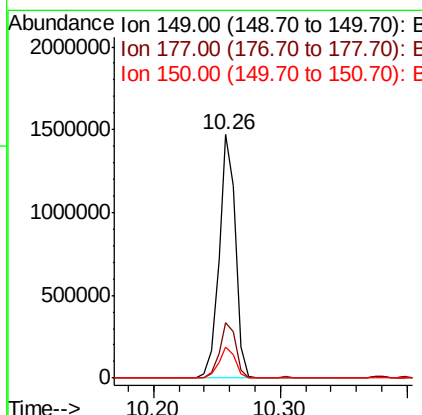
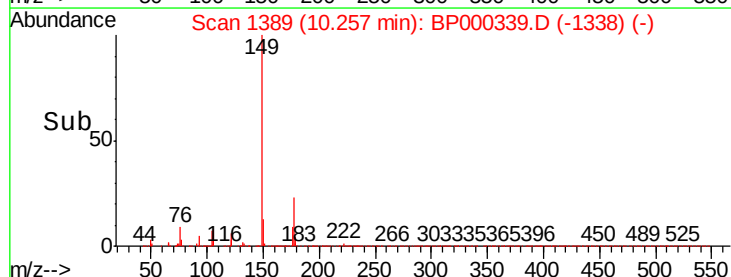
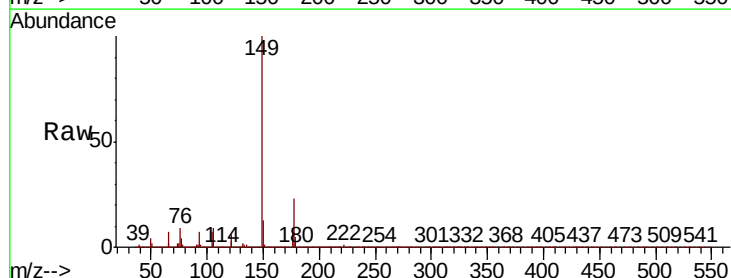
Manual Integrations
APPROVED

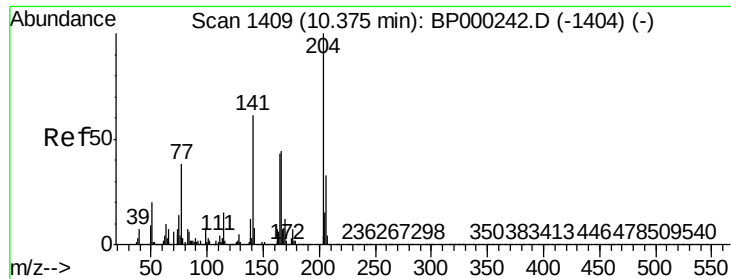
mohammad
9/20/2019 1:10:04 PM



#60
Diethylphthalate
Concen: 44.133 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		1318006		
177	22.8		18.1	27.1	
150	13.1		10.3	15.5	





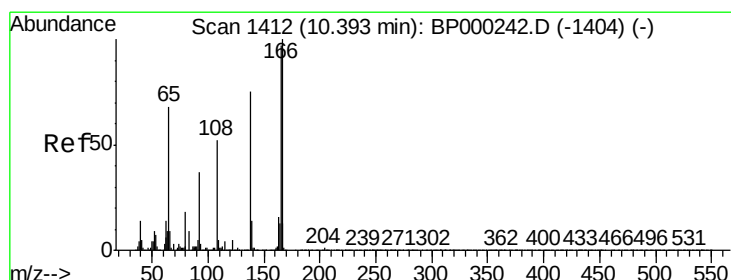
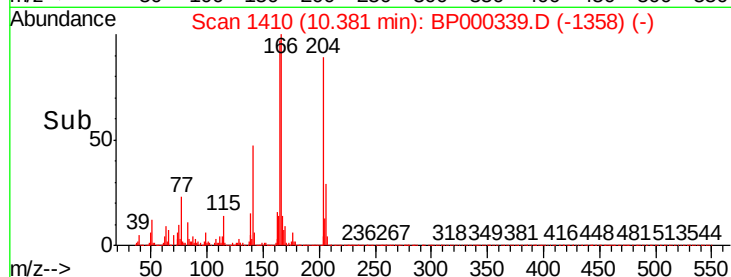
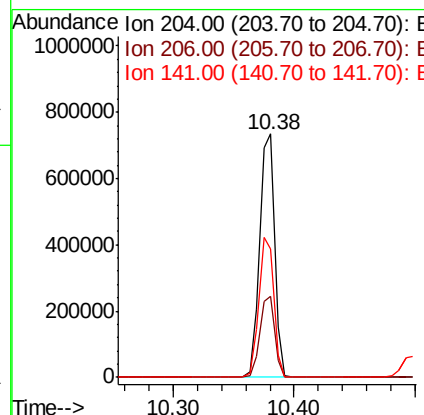
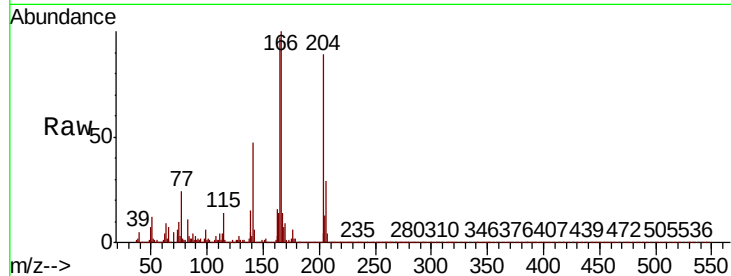
#61
4-Chlorophenyl-phenylether
Concen: 45.460 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampled :
TH-4MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.3	39.5
141	52.7	48.6	72.8

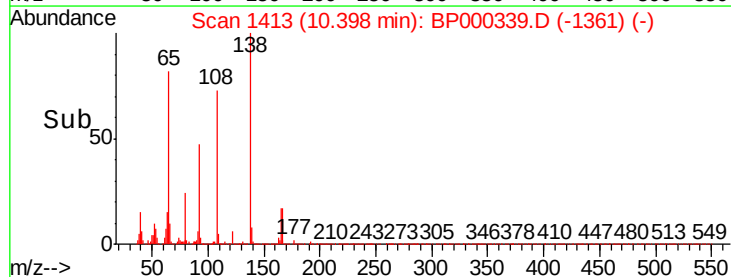
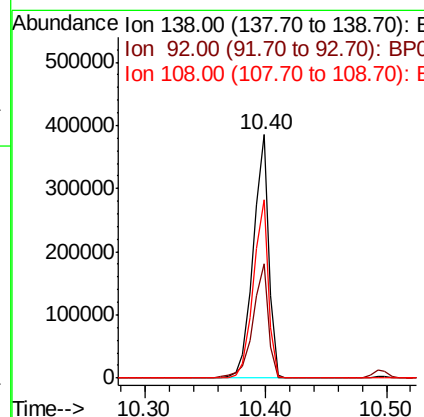
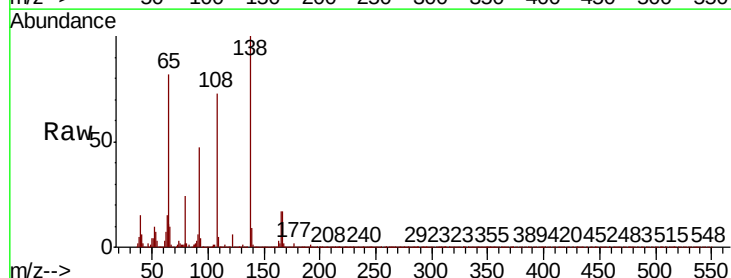
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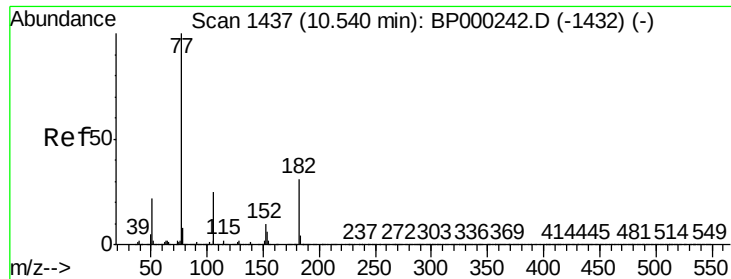
mohammad
9/20/2019 1:10:04 PM



#62
4-Nitroaniline
Concen: 44.604 ng
RT: 10.40 min Scan# 1413
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.0	30.1	70.1
108	73.4	49.5	89.5





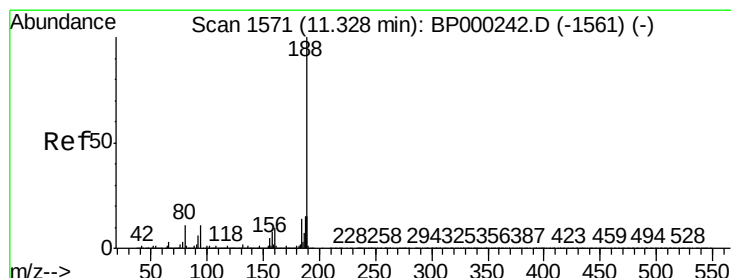
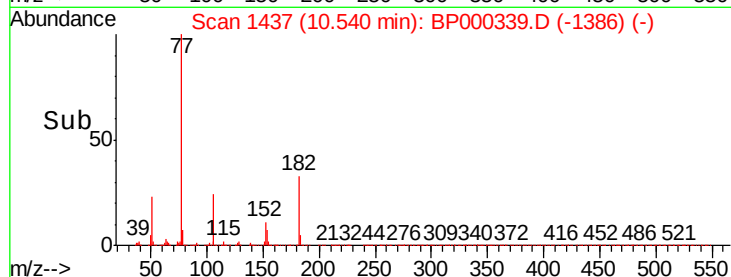
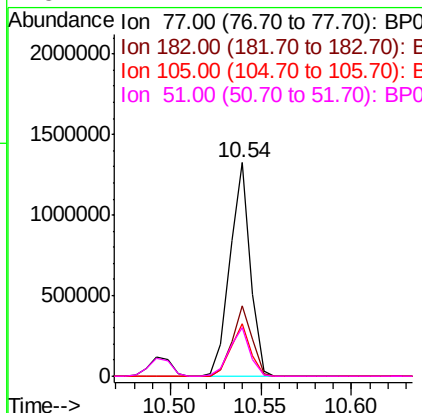
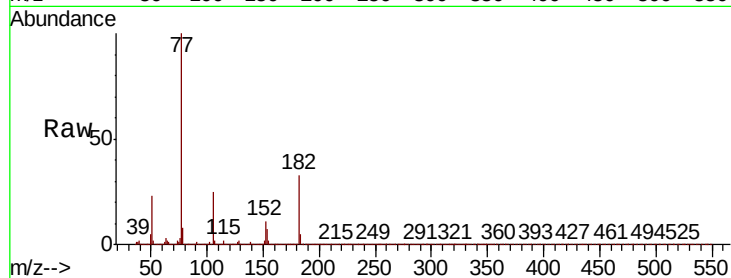
#63
Azobenzene
Concen: 40.827 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	33.1	11.1	51.1	
105	24.6	4.7	44.7	
51	22.7	2.2	42.2	

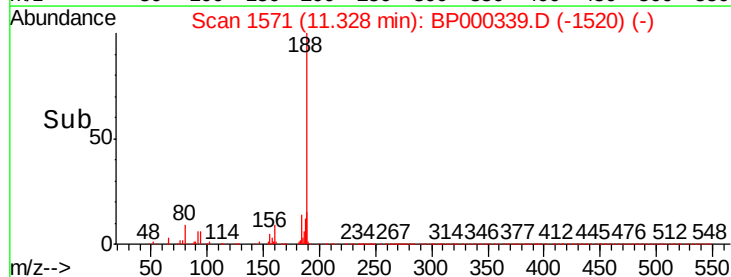
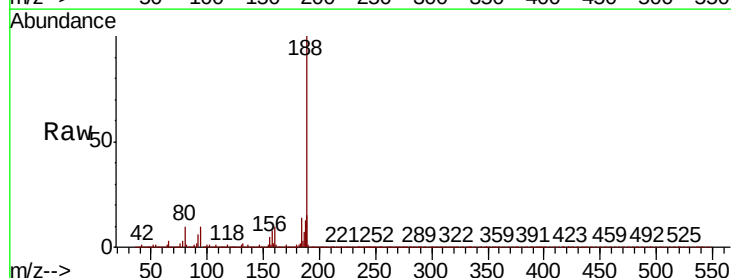
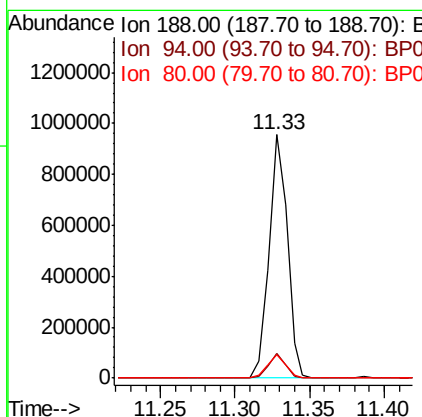
Manual Integrations
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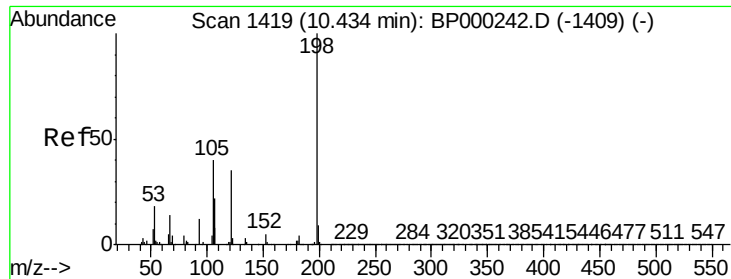
mohammad
9/20/2019 1:10:04 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.9	8.5	12.7	
80	9.8	8.6	13.0	





#65

4,6-Dinitro-2-methylphenol

Concen: 2.669 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.00 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Instrument :

BNA_P

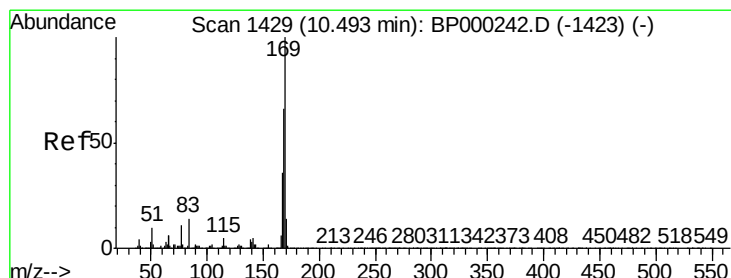
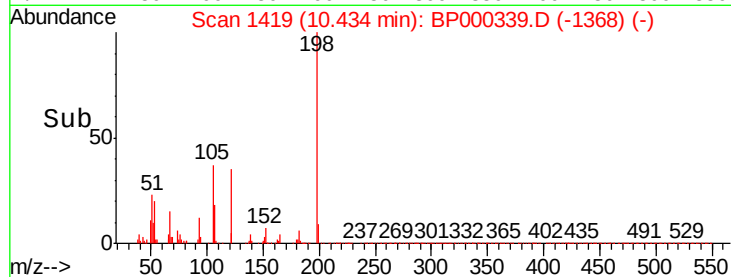
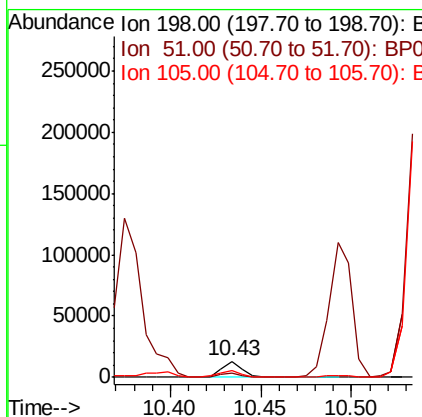
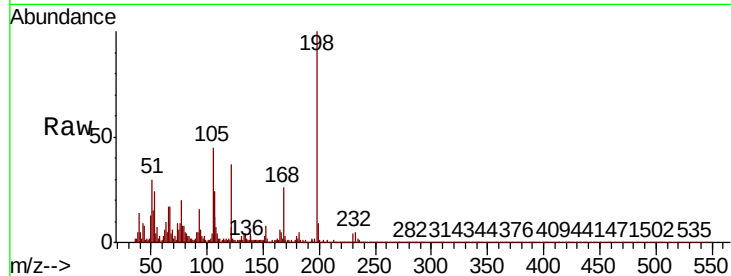
ClientSampled :

TH-4MS

Tot Ion:	198	Resp:	10097
Ion Ratio	Lower	Upper	
198	100		
51	30.0	7.4	47.4
105	44.8	20.2	60.2

Manual Integrations
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#66

n-Nitrosodiphenylamine

Concen: 45.906 ng

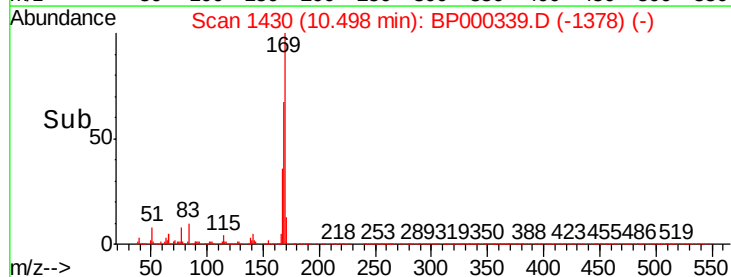
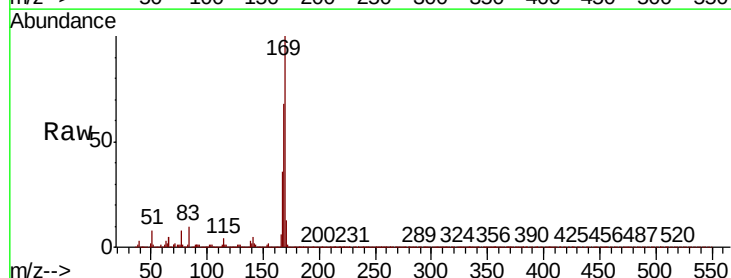
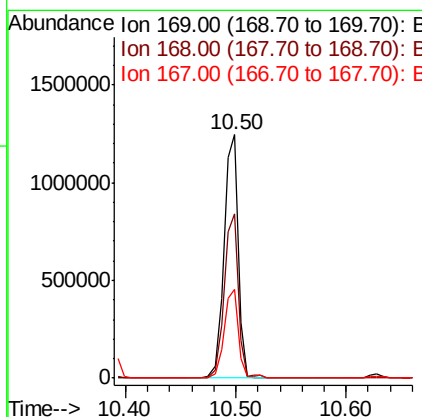
RT: 10.50 min Scan# 1430

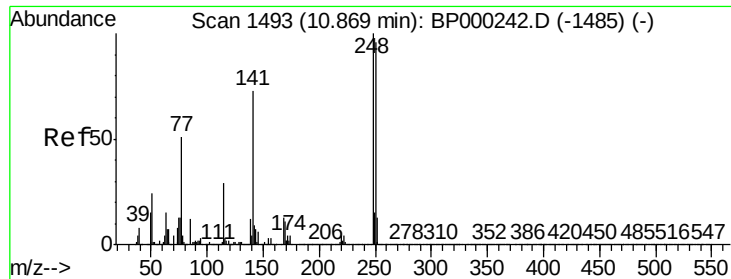
Delta R.T. 0.01 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Tgt Ion:	169	Resp:	1112028
Ion Ratio	Lower	Upper	
169	100		
168	67.6	52.9	79.3
167	36.4	29.0	43.6





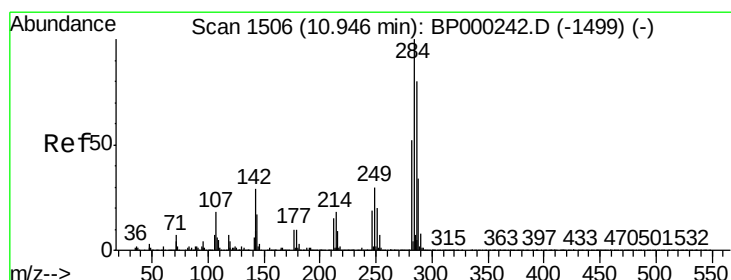
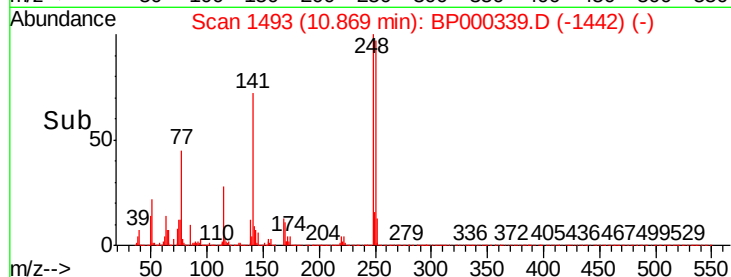
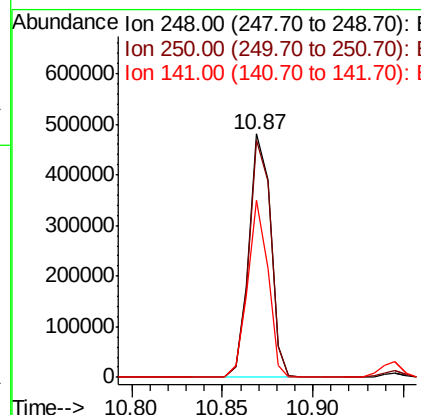
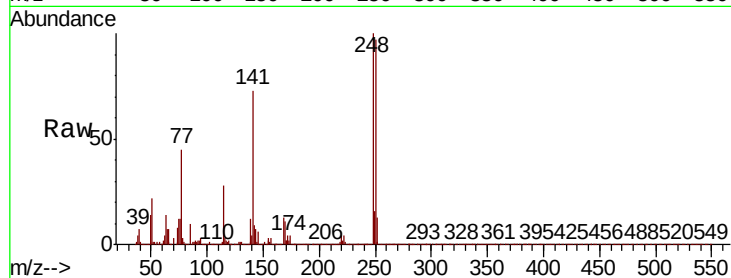
#67
4-Bromophenyl-phenylether
Concen: 44.190 ng
RT: 10.87 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion:	248	Resp:	402106
Ion Ratio	Lower	Upper	
248	100		
250	97.2	77.0	115.4
141	72.5	58.5	87.7

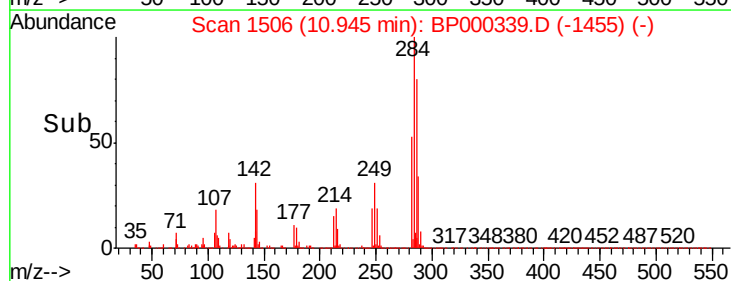
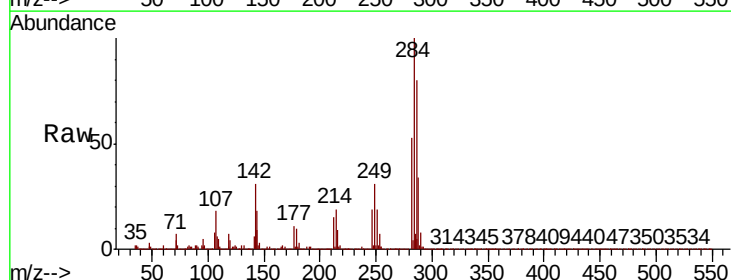
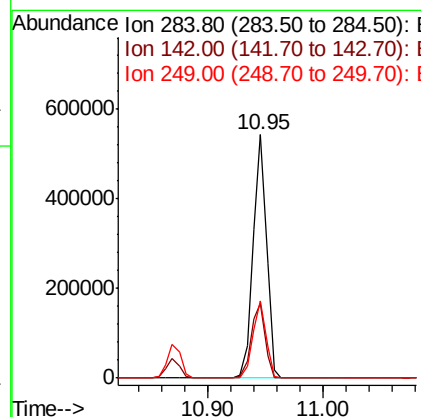
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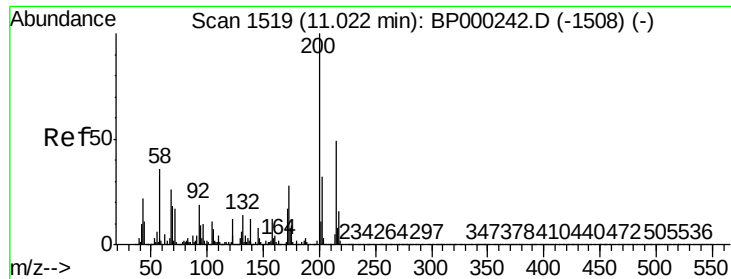
mohammad
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#68
Hexachlorobenzene
Concen: 43.668 ng
RT: 10.95 min Scan# 1506
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion:	284	Resp:	434402
Ion Ratio	Lower	Upper	
284	100		
142	30.9	23.6	35.4
249	31.5	24.3	36.5





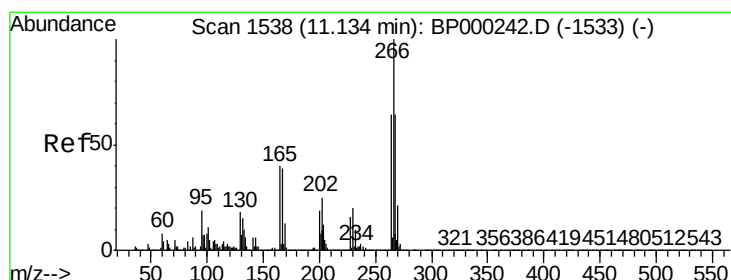
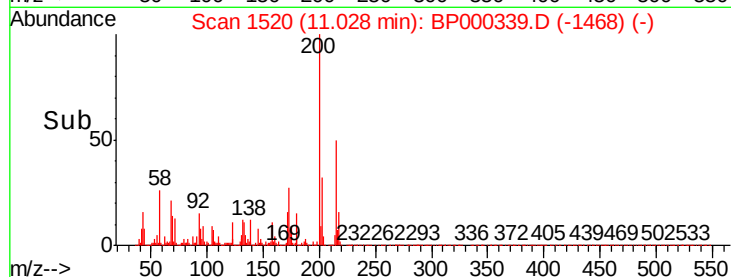
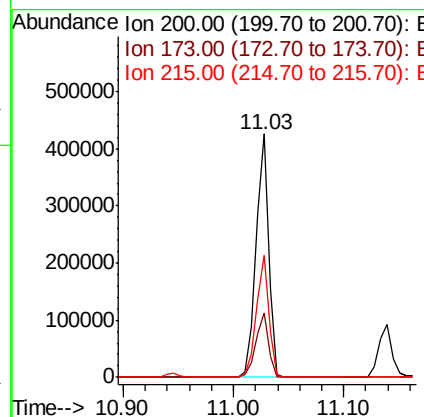
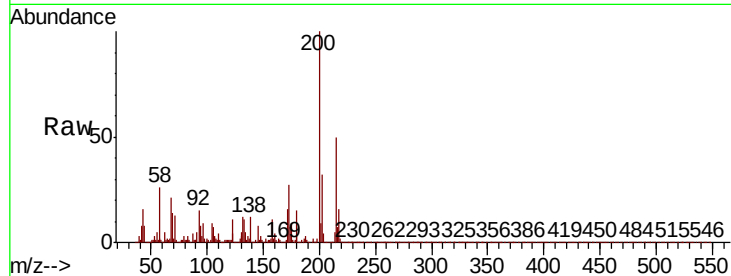
#69
Atrazine
Concen: Below Cal
RT: 11.03 min Scan# 1520
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampled :
TH-4MS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	26.5	7.6	47.6
215	50.1	28.6	68.6

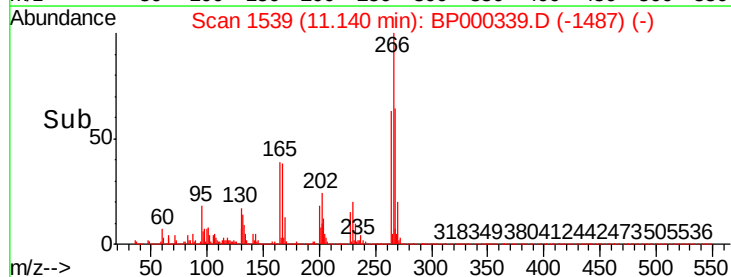
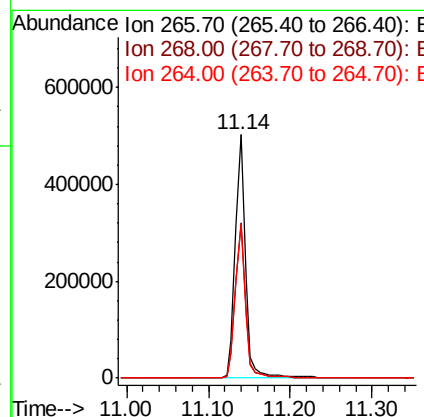
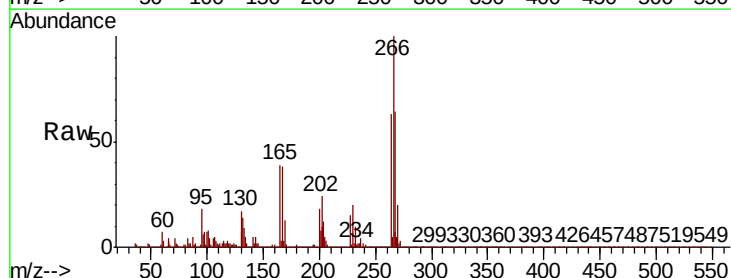
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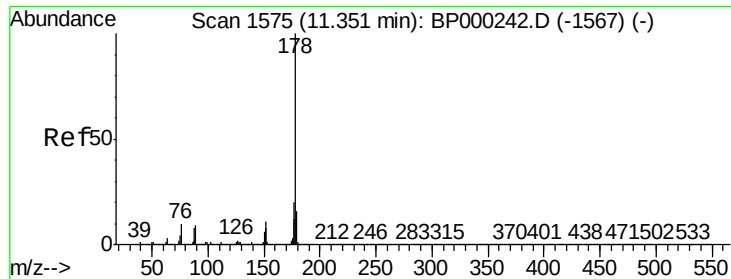
mohammad
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#70
Pentachlorophenol
Concen: 80.806 ng
RT: 11.14 min Scan# 1539
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	63.8	51.6	77.4
264	63.2	50.8	76.2





#71

Phenanthrene

Concen: 44.092 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Instrument :

BNA_P

ClientSampled :

TH-4MS

Tot Ion:178 Resp: 1777978

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

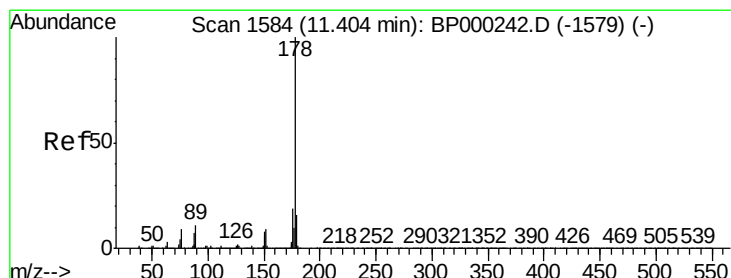
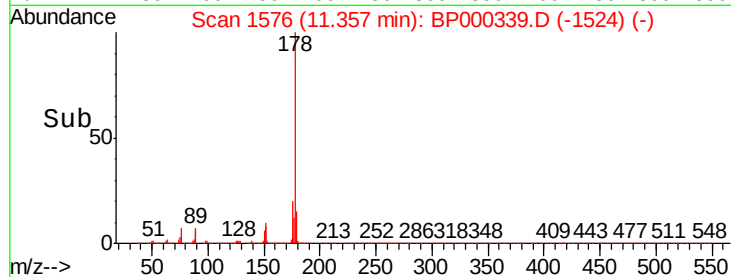
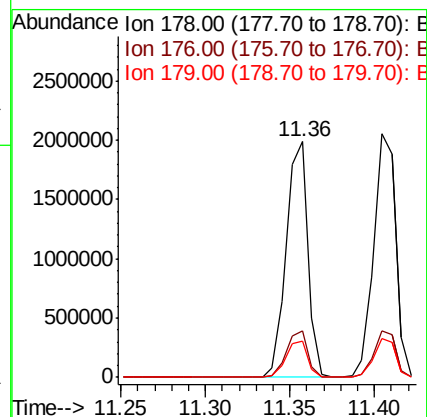
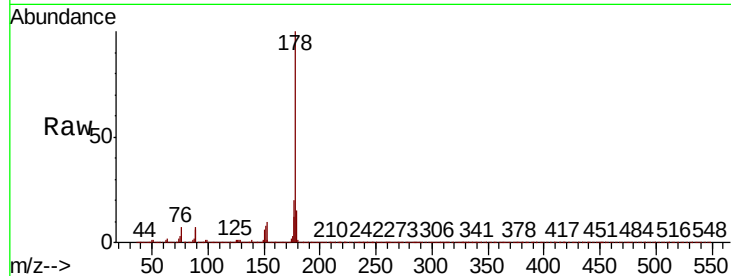
179 15.3 12.7 19.1

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#72

Anthracene

Concen: 45.128 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

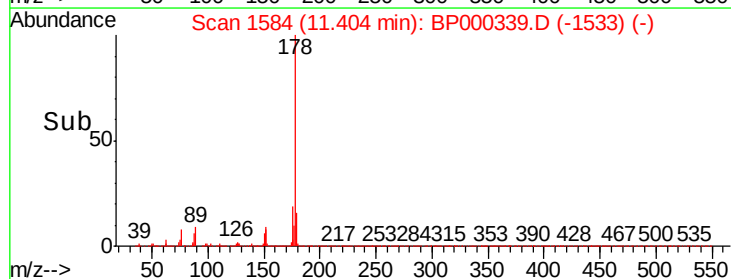
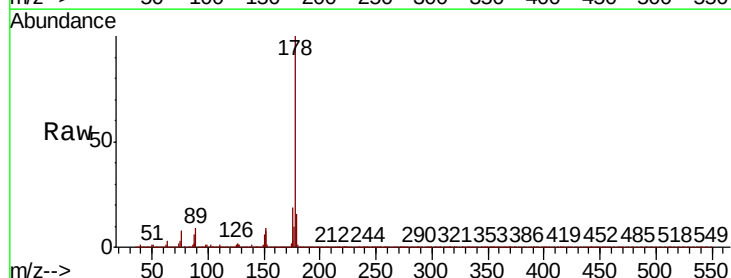
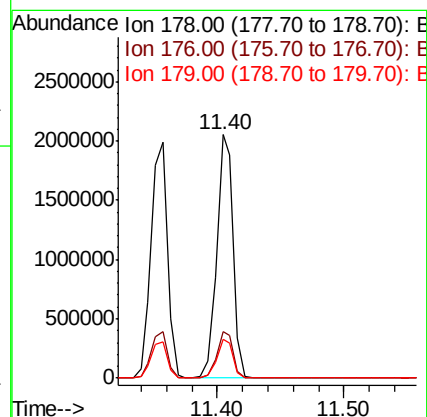
Tgt Ion:178 Resp: 1873107

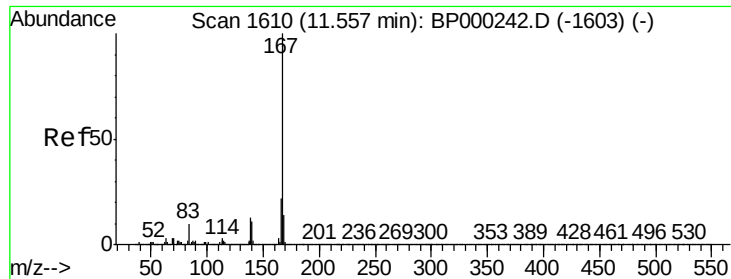
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.0

179 16.0 12.7 19.1





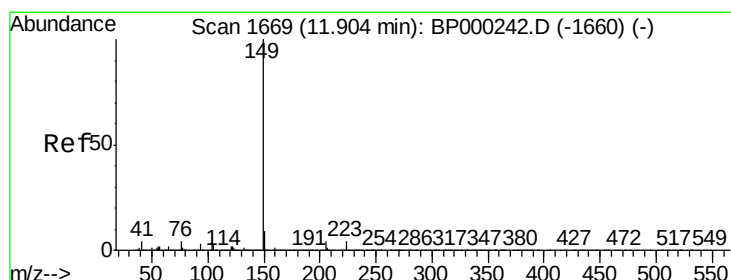
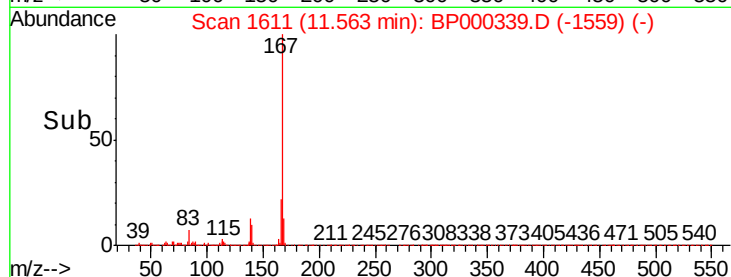
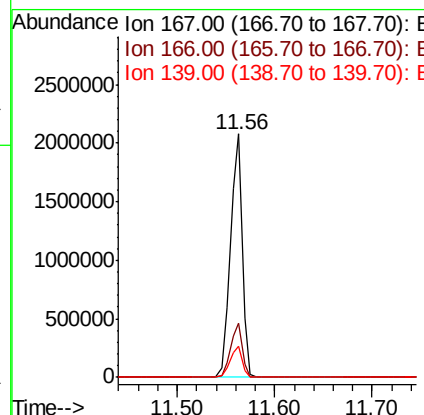
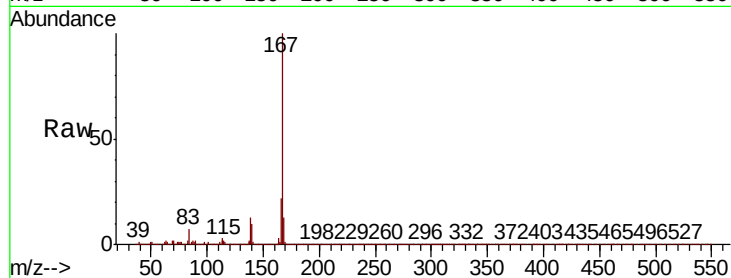
#73
 Carbazole
 Concen: 46.527 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BP000339.D
 Acq: 19 Sep 2019 18:52

Instrument :
 BNA_P
 ClientSampled :
 TH-4MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.8	26.8
139	12.6	10.8	16.2

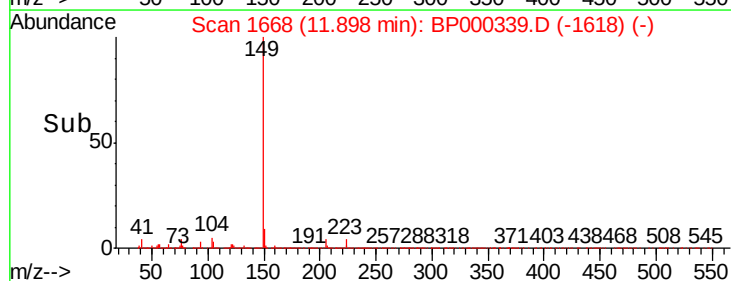
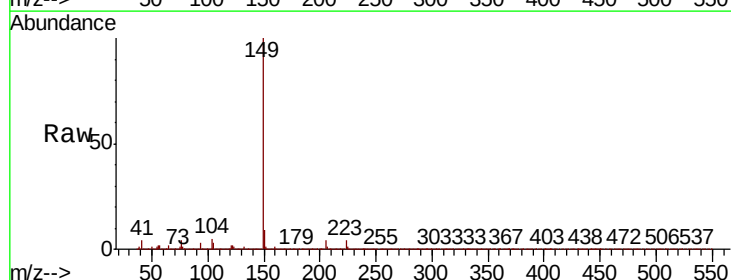
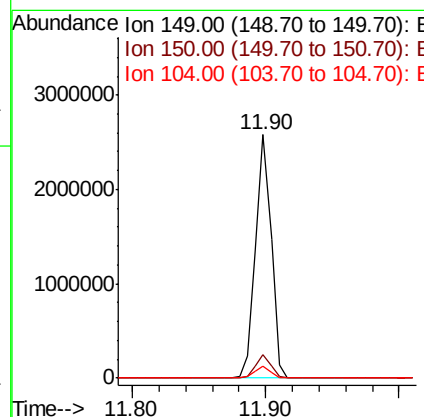
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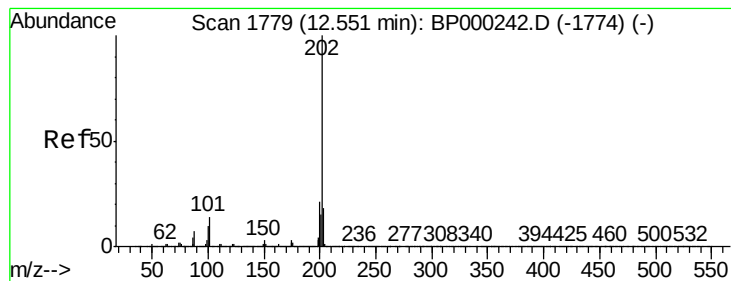
mohammad
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#74
 Di-n-butylphthalate
 Concen: 43.233 ng
 RT: 11.90 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BP000339.D
 Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.7	3.5	5.3





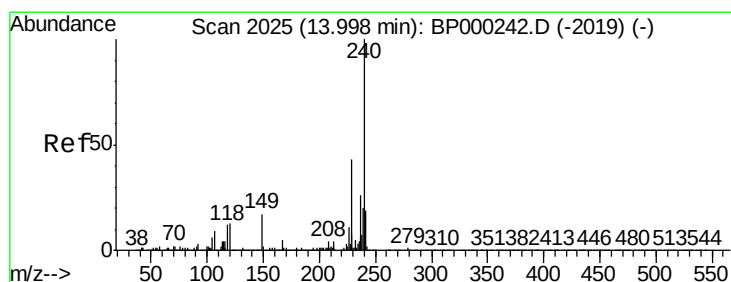
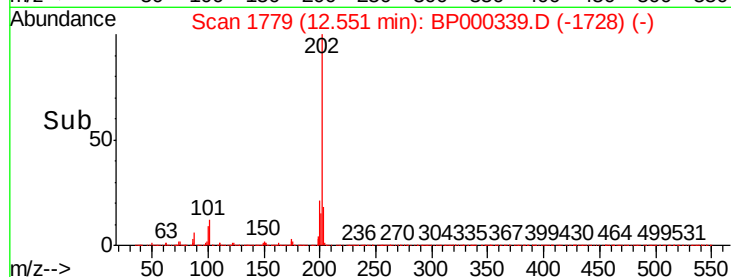
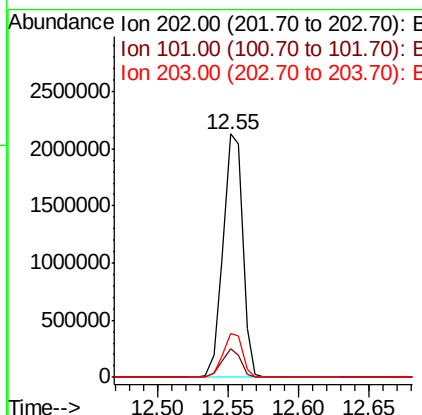
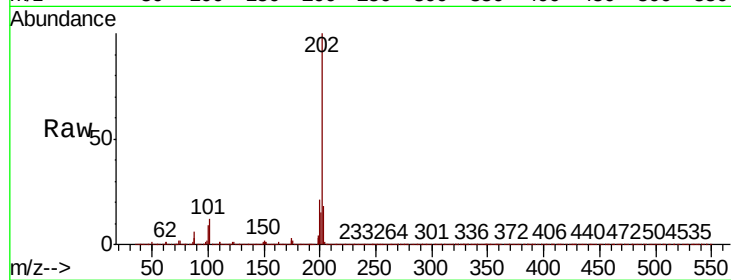
#75
 Fluoranthene
 Concen: 47.629 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BP000339.D
 Acq: 19 Sep 2019 18:52

Instrument :
 BNA_P
 ClientSampled :
 TH-4MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	33.9
203	18.0	0.0	38.0

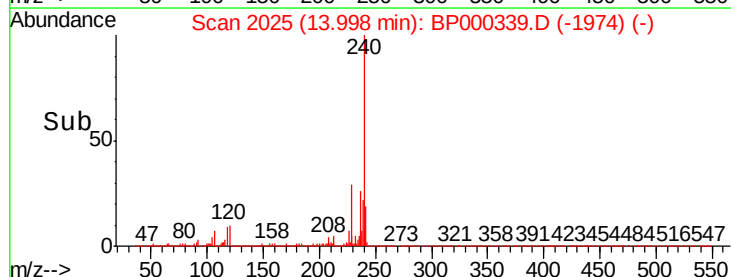
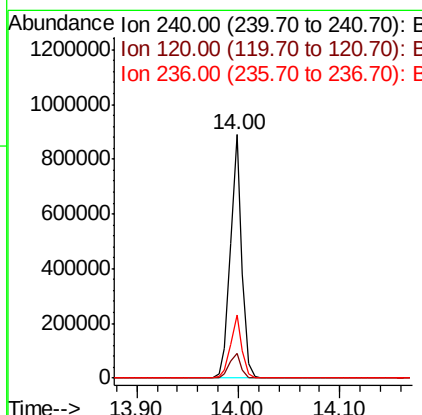
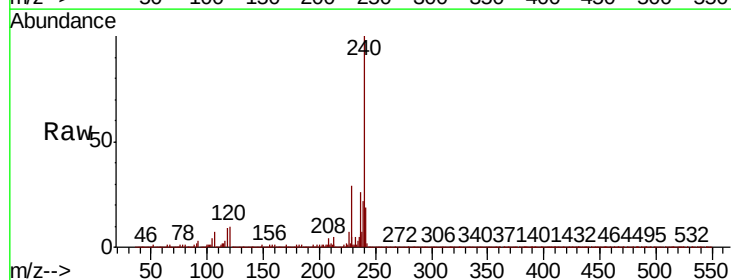
Manual Integrations
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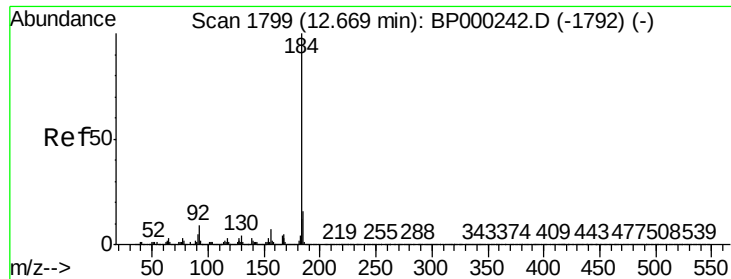
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.00 min
 Lab File: BP000339.D
 Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	10.4	15.6#
236	26.1	21.0	31.6





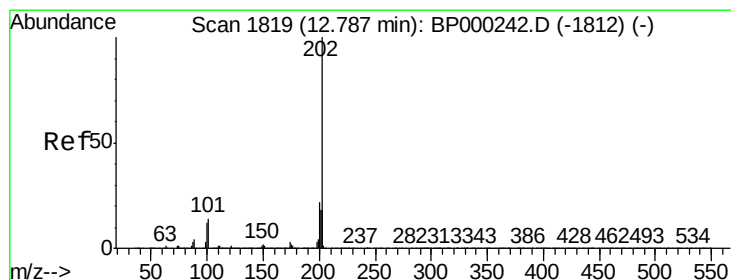
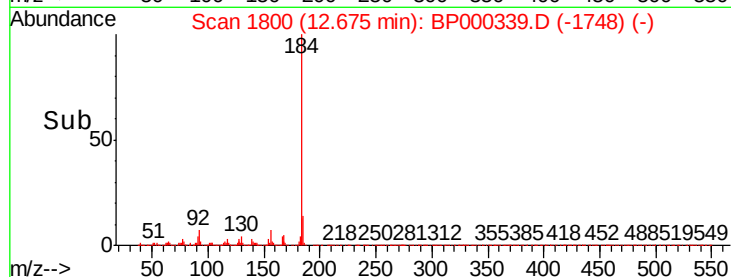
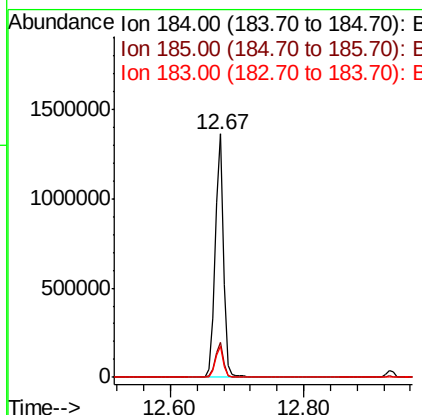
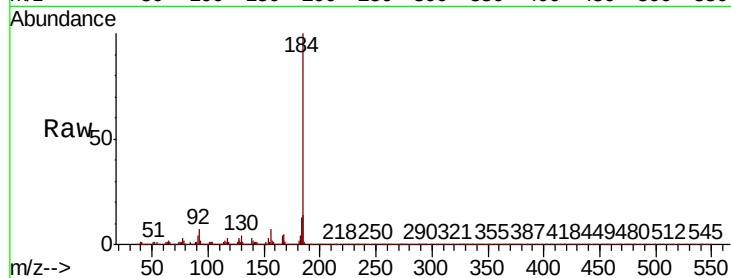
#77
Benzidine
Concen: 48.554 ng
RT: 12.67 min Scan# 1800
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion:184 Resp: 1199975
Ion Ratio Lower Upper
184 100
185 14.3 12.7 19.1
183 12.5 9.5 14.3

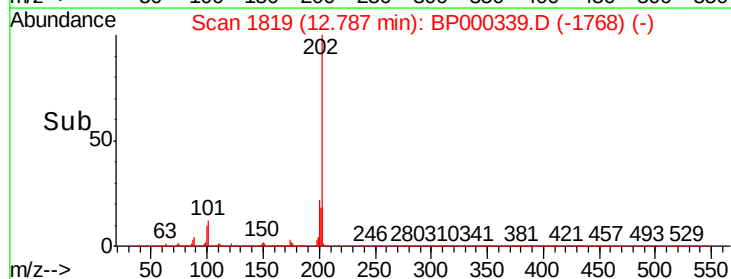
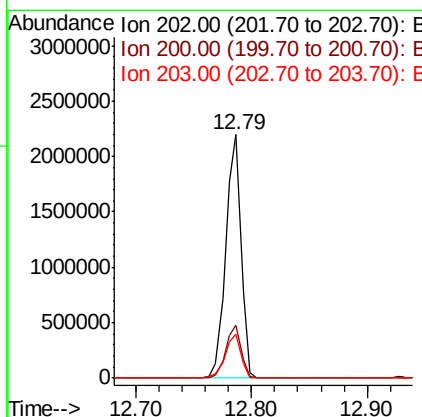
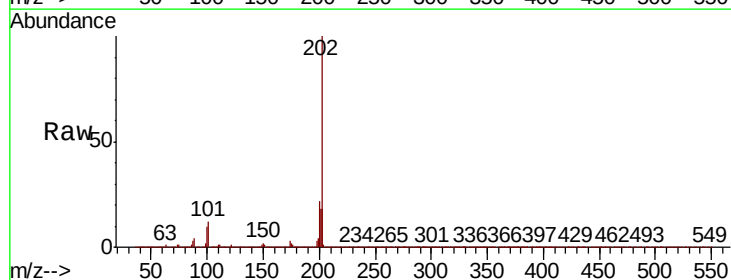
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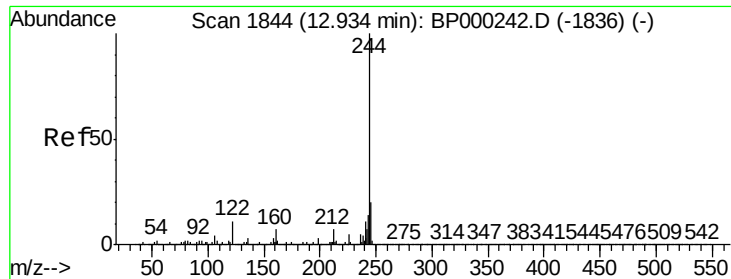
mohammad
9/20/2019 1:10:04 PM



#78
Pyrene
Concen: 38.728 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion:202 Resp: 2005081
Ion Ratio Lower Upper
202 100
200 21.6 17.5 26.3
203 17.9 14.3 21.5





#79

Terphenyl-d14

Concen: 76.344 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Instrument :

BNA_P

ClientSampled :

TH-4MS

Tot Ion:244 Resp: 2518278

Ion Ratio Lower Upper

244 100

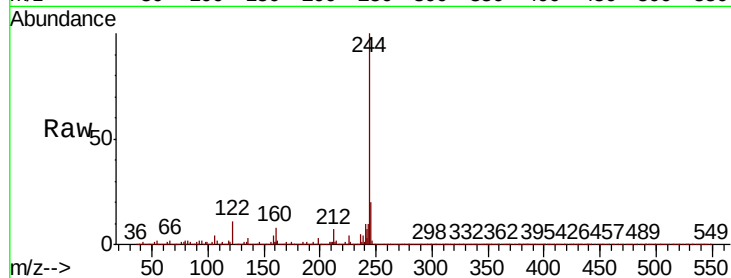
212 7.5 5.9 8.9

122 10.8 9.0 13.4

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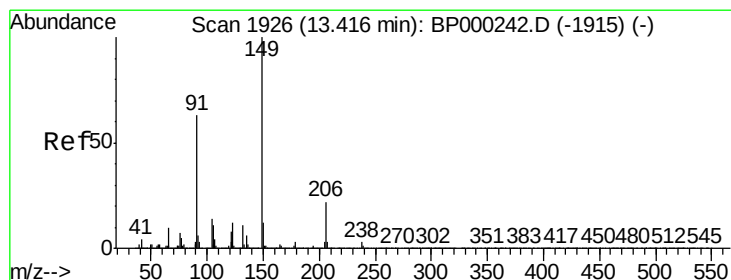
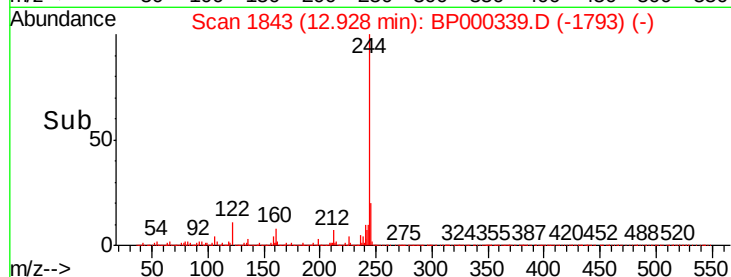
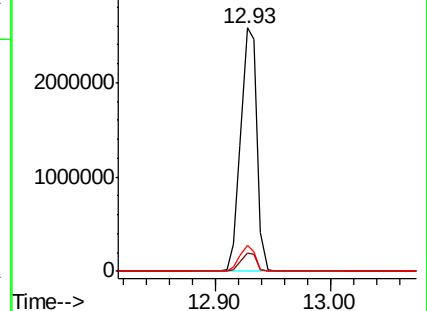
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 37.027 ng

RT: 13.41 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

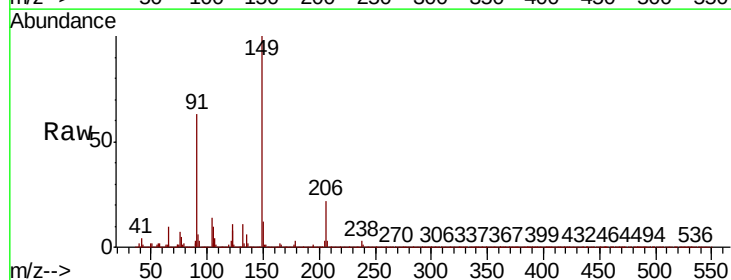
Tgt Ion:149 Resp: 880858

Ion Ratio Lower Upper

149 100

91 63.4 50.6 76.0

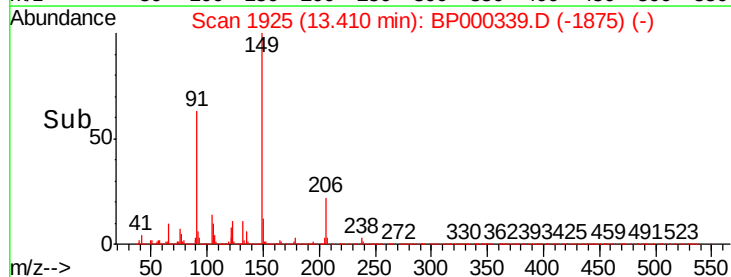
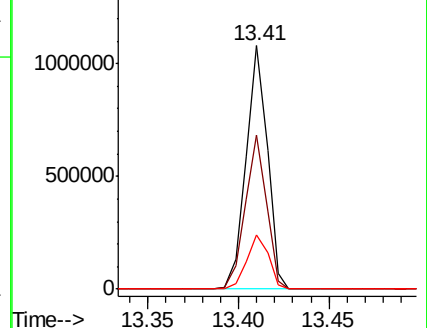
206 22.3 17.8 26.6

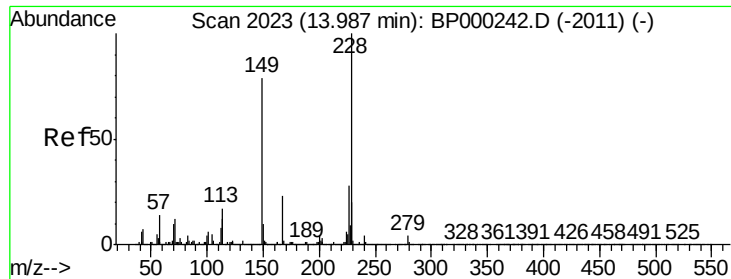


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E





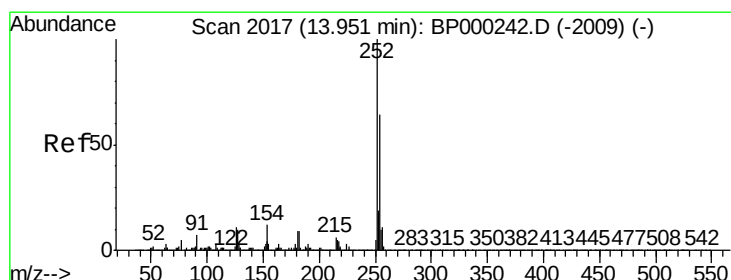
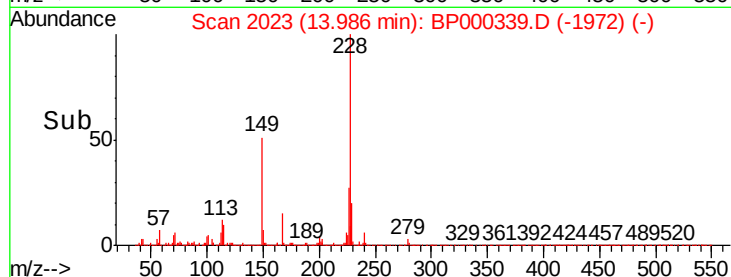
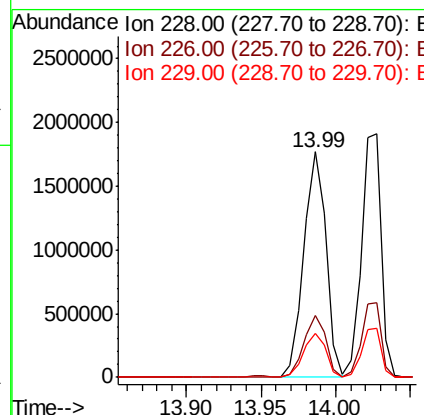
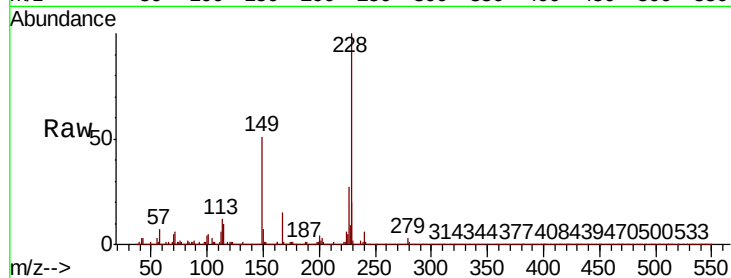
#81
Benzo(a)anthracene
Concen: 42.164 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampled :
TH-4MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.2	33.4
229	19.8	16.0	24.0

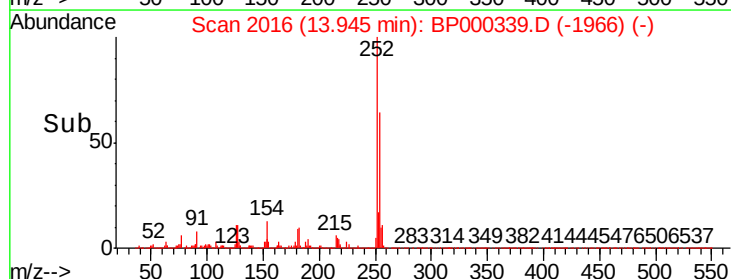
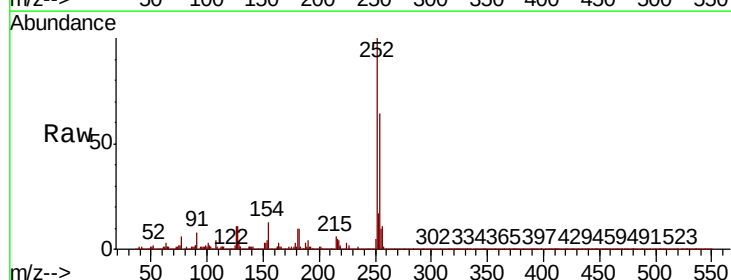
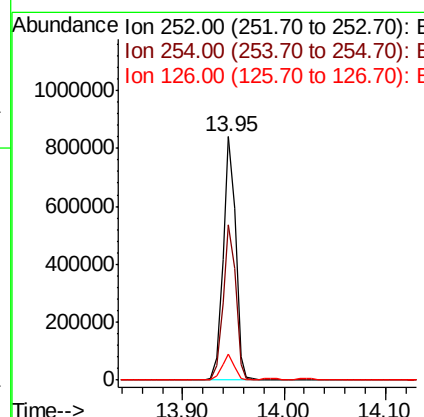
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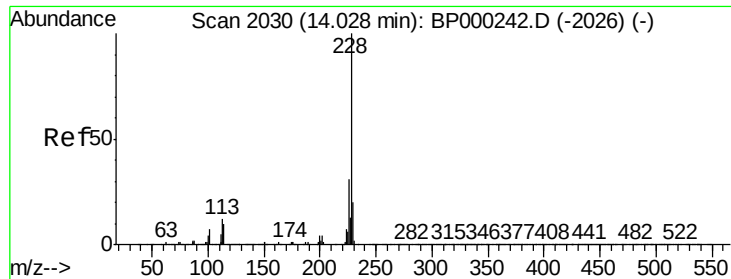
mohammad
9/20/2019 1:10:04 PM



#82
3,3'-Dichlorobenzidine
Concen: 41.069 ng
RT: 13.95 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.5	77.3
126	10.9	8.4	12.6





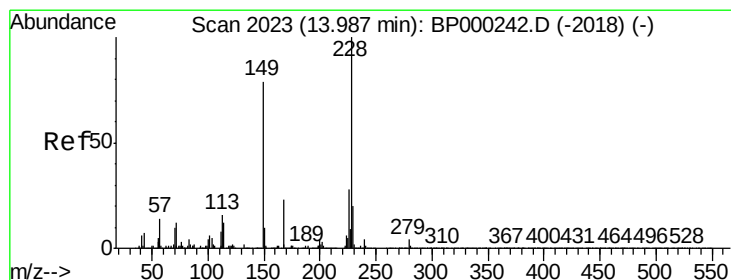
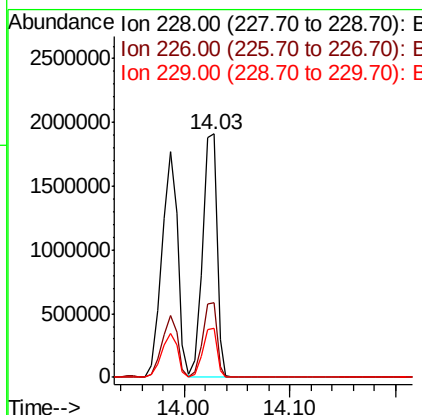
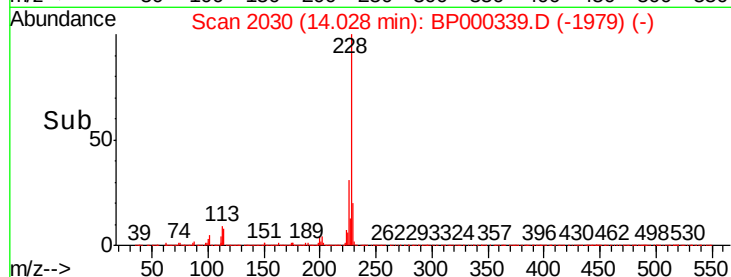
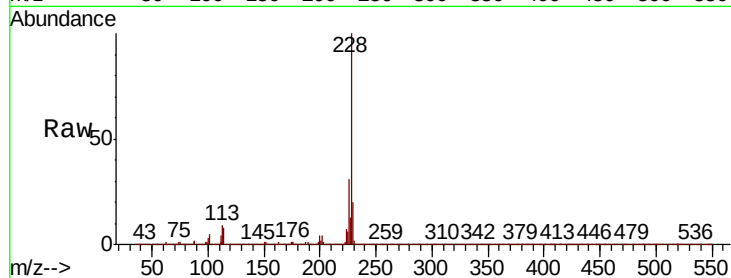
#83
Chrysene
Concen: 41.642 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampled :
TH-4MS

Tot Ion:228 Resp: 1787196
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 20.1 16.2 24.2

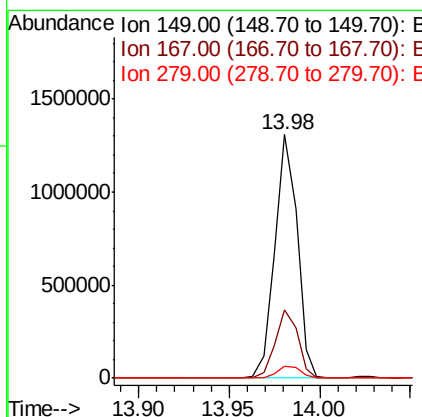
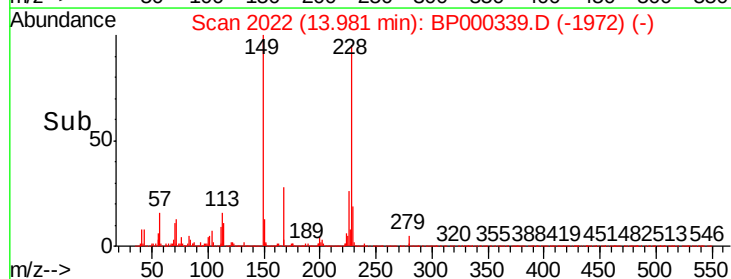
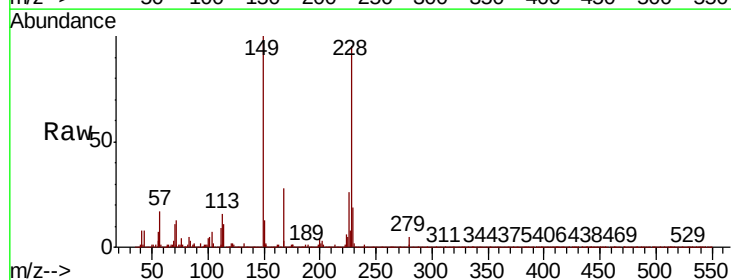
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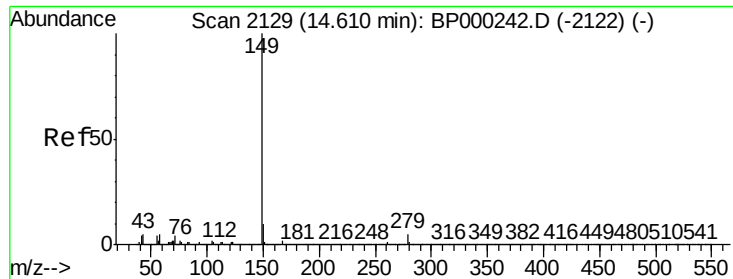
mohammad
9/20/2019 1:10:04 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 39.242 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion:149 Resp: 1120640
Ion Ratio Lower Upper
149 100
167 28.3 23.0 34.4
279 4.8 3.7 5.5





#85

Di-n-octyl phthalate

Concen: 38.065 ng

RT: 14.60 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Instrument :

BNA_P

ClientSampled :

TH-4MS

Tot Ion:149 Resp: 2014675

Ion Ratio Lower Upper

149 100

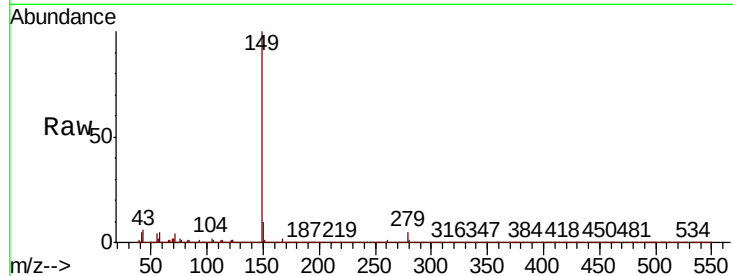
167 1.6 1.4 2.0

43 5.4 5.0 7.6

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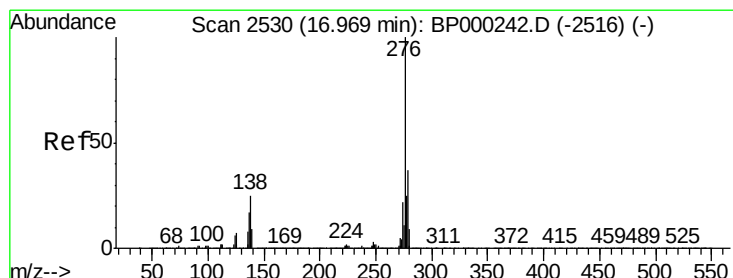
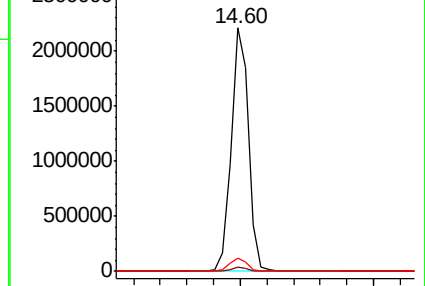
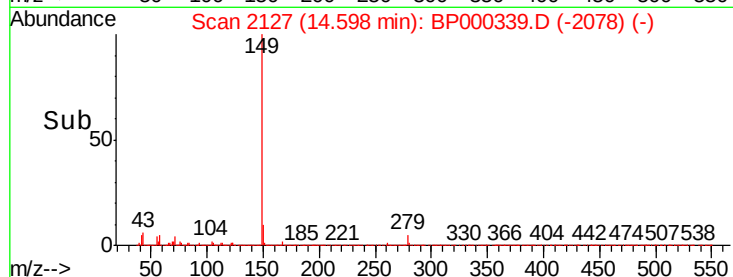
9/20/2019 1:10:04 PM



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): BP0



#86

Indeno(1,2,3-cd)pyrene

Concen: 36.522 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.00 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

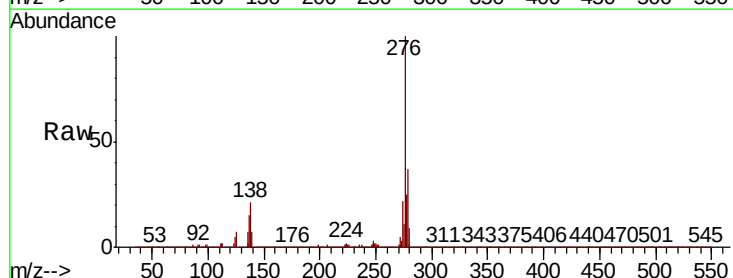
Tgt Ion:276 Resp: 1910638

Ion Ratio Lower Upper

276 100

138 23.6 22.6 33.8

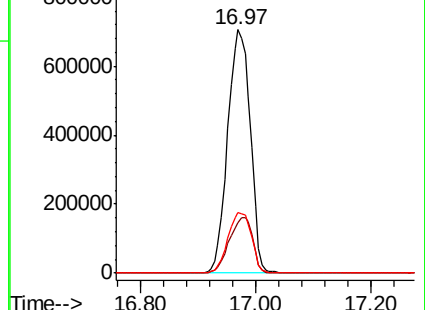
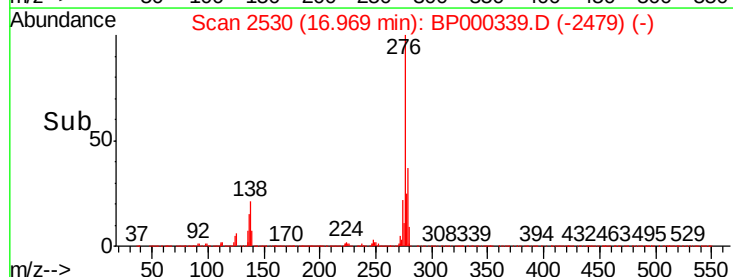
277 25.9 20.4 30.6

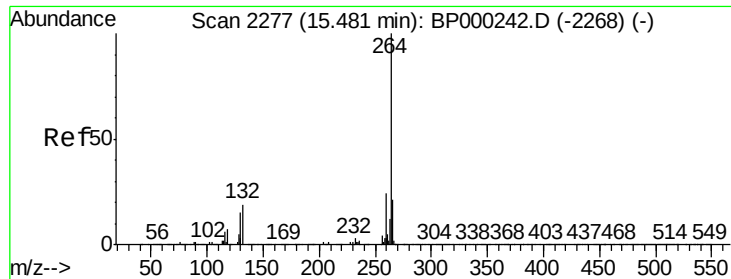


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Instrument :

BNA_P

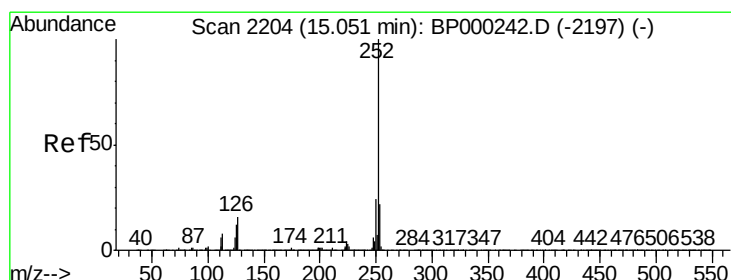
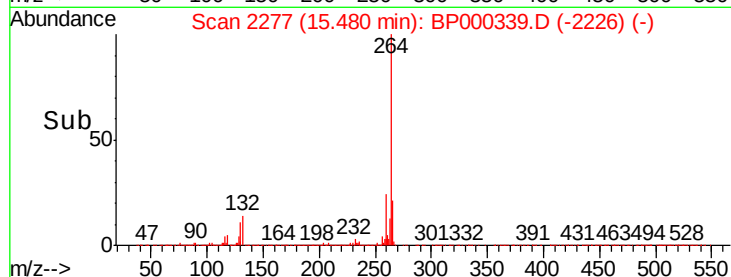
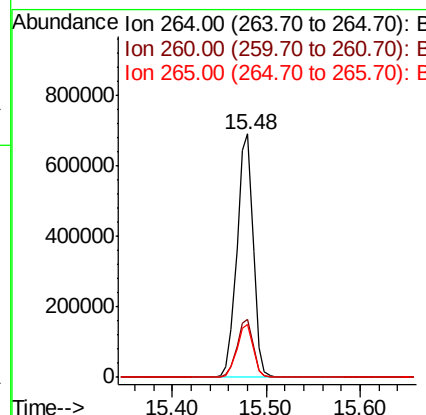
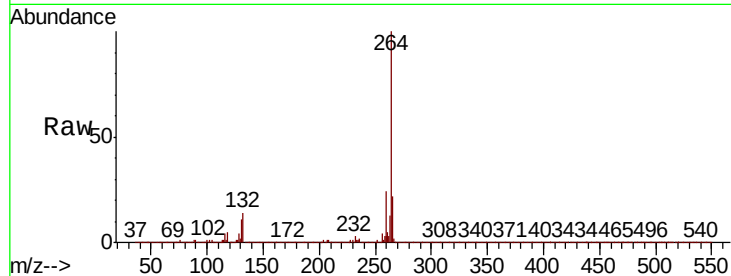
ClientSampleId :

TH-4MS

Tot Ion:	264	Resp:	824137
Ion Ratio		Lower	Upper
264	100		
260	24.0	18.9	28.3
265	21.5	17.2	25.8

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#88

Benzo(b)fluoranthene

Concen: 41.727 ng

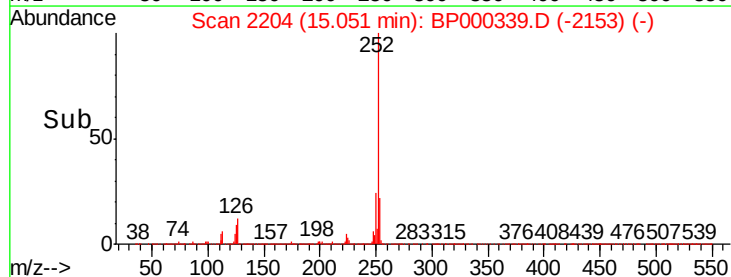
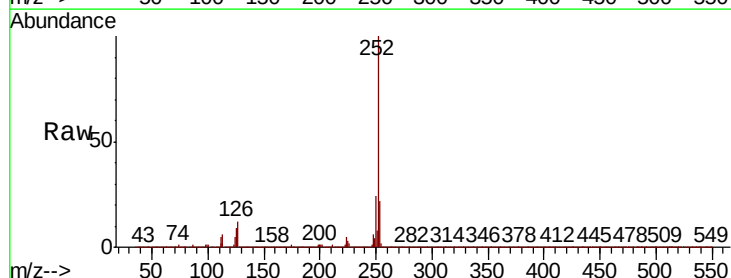
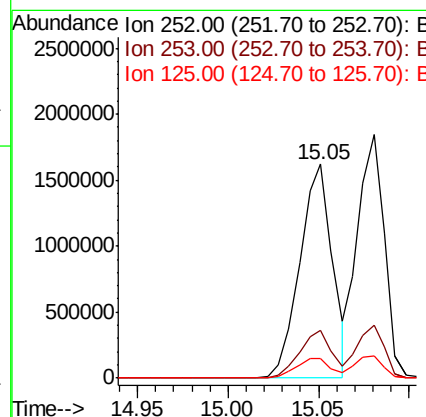
RT: 15.05 min Scan# 2204

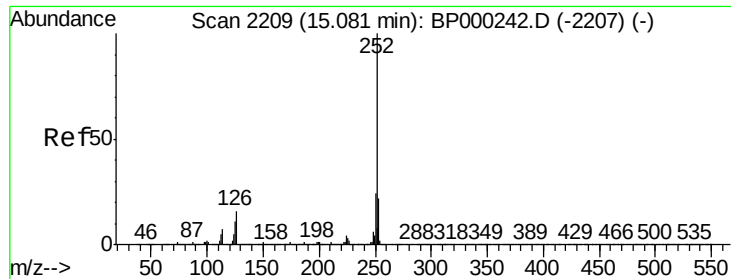
Delta R.T. -0.00 min

Lab File: BP000339.D

Acq: 19 Sep 2019 18:52

Tgt Ion:	252	Resp:	2051503
Ion Ratio		Lower	Upper
252	100		
253	22.4	17.8	26.6
125	9.4	9.5	14.3#





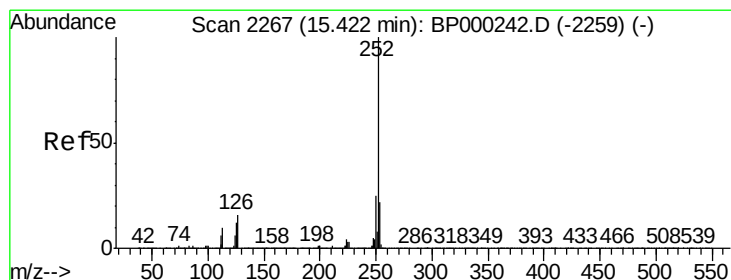
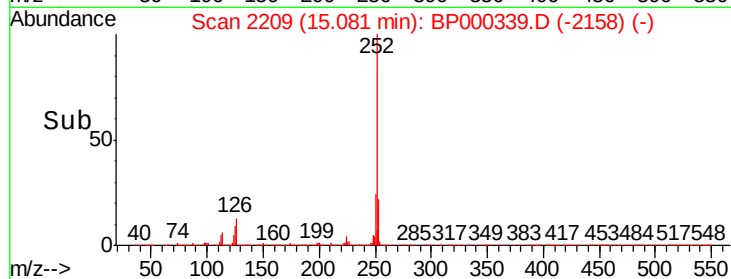
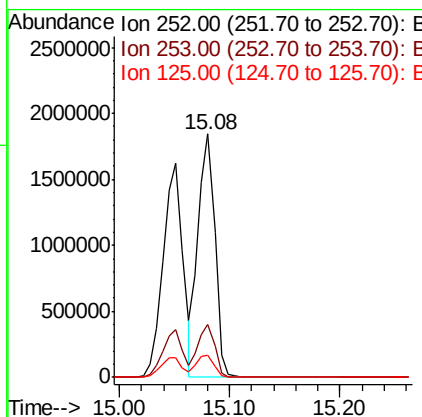
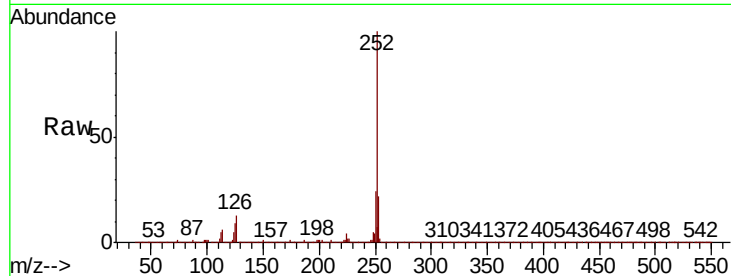
#89
Benzo(k)fluoranthene
Concen: 44.494 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampled :
TH-4MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	9.3	9.6	14.4

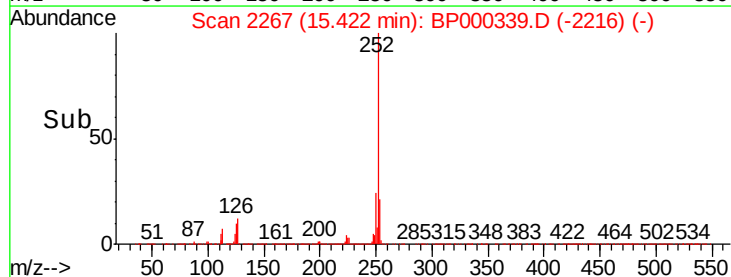
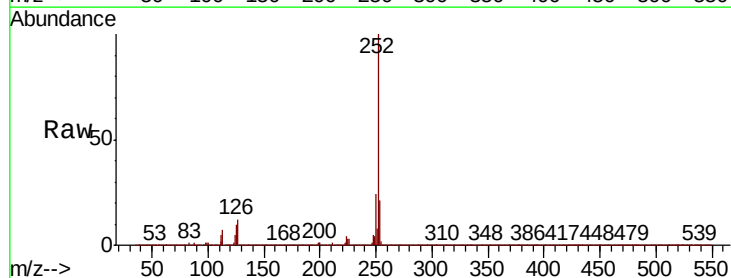
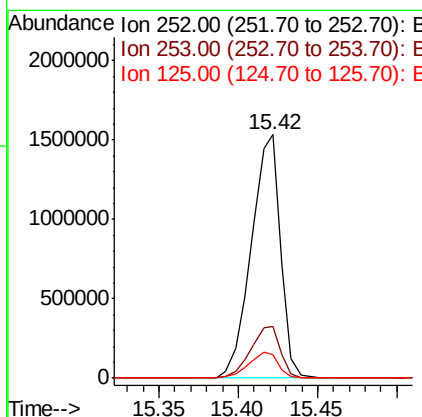
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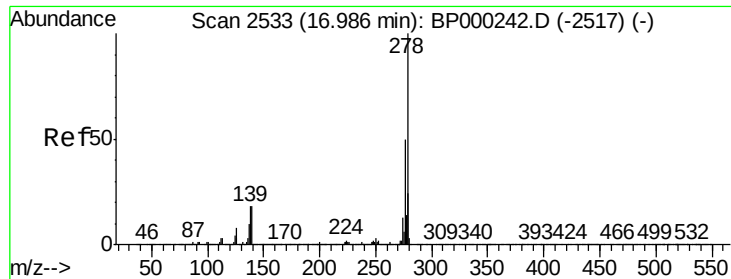
mohammad
9/20/2019 1:10:04 PM



#90
Benzo(a)pyrene
Concen: 43.991 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	9.6	10.0	15.0





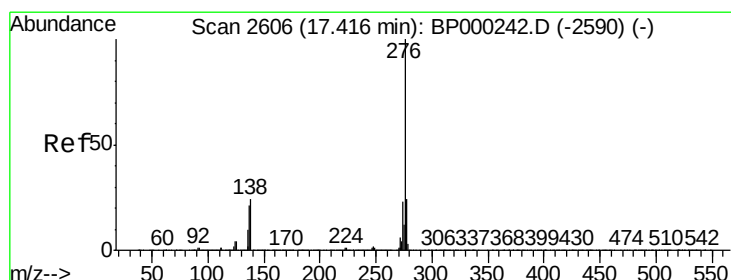
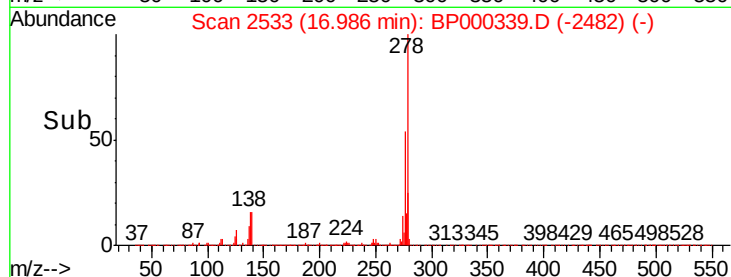
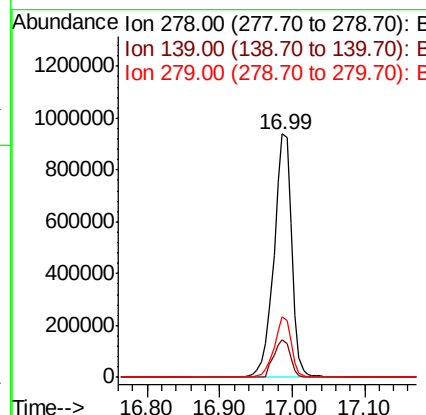
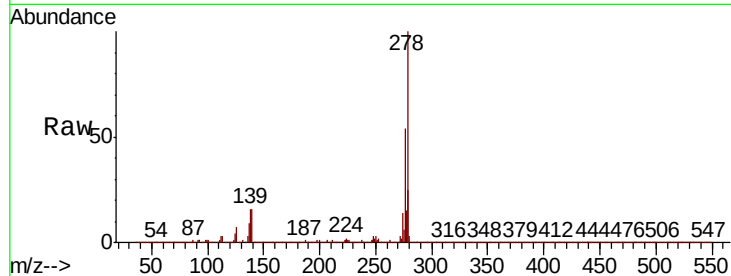
#91
Dibenzo(a,h)anthracene
Concen: 38.620 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.00 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Instrument :
BNA_P
ClientSampleId :
TH-4MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.6	14.5	21.7
279	24.6	19.0	28.6

Manual Integrations
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9/20/2019 1:10:04 PM



#92
Benzo(g,h,i)perylene
Concen: 33.906 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BP000339.D
Acq: 19 Sep 2019 18:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.1	28.7
138	20.3	19.5	29.3

