

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\
 Data File : BP000443.D
 Acq On : 27 Sep 2019 02:38
 Operator : JU
 Sample : K4657-03MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BU-02-092419MSD

Manual Integrations
 APPROVED

mohammad
 9/27/2019 1:47:33 PM

Quant Time: Sep 27 11:43:49 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	230172	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	831802	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	453331	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	863411	20.00	ng	0.00
76) Chrysene-d12	14.00	240	673393	20.00	ng	0.00
87) Perylene-d12	15.49	264	775024	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1776768	133.26	ng	0.02
7) Phenol-d6	6.44	99	2235927	136.81	ng	0.02
23) Nitrobenzene-d5	7.35	82	1301264	100.93	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	679934	151.22	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2658852	105.56	ng	0.00
79) Terphenyl-d14	12.94	244	3241313	100.98	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.64	88	226515	37.648	ng	# 89
3) Pyridine	3.37	79	467585	28.868	ng	98
4) n-Nitrosodimethylamine	3.28	42	198359	43.431	ng	96
6) Aniline	6.45	93	196225	8.708	ng	# 1
8) 2-Chlorophenol	6.58	128	692775	48.253	ng	97
9) Benzaldehyde	6.34	77	234865	24.066	ng	98
10) Phenol	6.45	94	829712	44.684	ng	98
11) bis(2-Chloroethyl)ether	6.53	93	711344	50.026	ng	98
12) 1,3-Dichlorobenzene	6.73	146	737620	42.813	ng	99
13) 1,4-Dichlorobenzene	6.81	146	747931	43.632	ng	97
14) 1,2-Dichlorobenzene	6.96	146	695261	44.277	ng	99
15) Benzyl Alcohol	6.93	79	518255	43.575	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.07	45	567323	42.083	ng	91
17) 2-Methylphenol	7.06	107	576087	46.849	ng	96
18) Hexachloroethane	7.30	117	223525	35.237	ng	95
19) n-Nitroso-di-n-propylamine	7.20	70	394570	45.663	ng	98
20) 3+4-Methylphenols	7.21	107	746903	50.229	ng	# 70
22) Acetophenone	7.20	105	951122	52.764	ng	# 97
24) Nitrobenzene	7.37	77	666688	49.787	ng	97
25) Isophorone	7.61	82	1214202	47.563	ng	98
26) 2-Nitrophenol	7.69	139	356054	50.155	ng	96
27) 2,4-Dimethylphenol	7.73	122	622423	55.043	ng	98
28) bis(2-Chloroethoxy)methane	7.82	93	799894	47.111	ng	99
29) 2,4-Dichlorophenol	7.94	162	623605	51.455	ng	97
30) 1,2,4-Trichlorobenzene	8.02	180	650276	46.811	ng	100
31) Naphthalene	8.09	128	1974319	51.249	ng	100
32) Benzoic acid	7.86	122	390387	51.130	ng	97
33) 4-Chloroaniline	8.15	127	163807	9.396	ng	98
34) Hexachlorobutadiene	8.22	225	376282	45.716	ng	99
35) Caprolactam	8.50	113	201286m	48.823	ng	
36) 4-Chloro-3-methylphenol	8.64	107	629684	51.181	ng	99
37) 2-Methylnaphthalene	8.79	142	1350989	51.300	ng	100
38) 1-Methylnaphthalene	8.89	142	1260660	51.103	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	674872	52.067	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	212793	28.590	nq	99
43) 2,4,6-Trichlorophenol	9.07	196	456520	50.901	nq	97
44) 2,4,5-Trichlorophenol	9.12	196	490120	53.368	nq	96
46) 1,1'-Biphenyl	9.26	154	1644249	52.430	nq	97
47) 2-Chloronaphthalene	9.28	162	1281874	48.727	nq	97
48) 2-Nitroaniline	9.37	65	325619	48.741	nq	100
49) Acenaphthylene	9.70	152	2051044	51.867	nq	100
50) Dimethylphthalate	9.56	163	1841657	59.627	nq	100
51) 2,6-Dinitrotoluene	9.62	165	350116	51.555	nq	97
52) Acenaphthene	9.87	154	1188560	47.629	nq	98
53) 3-Nitroaniline	9.78	138	145953	18.516	nq	94
54) 2,4-Dinitrophenol	9.90	184	162143	54.042	nq	95
55) Dibenzofuran	10.05	168	1853750	52.548	nq	98
56) 4-Nitrophenol	9.97	139	559212	95.381	nq	90
57) 2,4-Dinitrotoluene	10.03	165	453902	51.126	nq	95
58) Fluorene	10.39	166	1413049	51.859	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.17	232	407102	53.872	nq	98
60) Diethylphthalate	10.26	149	1476339	49.689	nq	98
61) 4-Chlorophenyl-phenylether	10.38	204	714560	51.089	nq	96
62) 4-Nitroaniline	10.40	138	326939	42.167	nq	98
63) Azobenzene	10.54	77	1270829	50.486	nq	97
65) 4,6-Dinitro-2-methylphenol	10.44	198	124923	30.771	nq	98
66) n-Nitrosodiphenylamine	10.50	169	1198549	46.113	nq	100
67) 4-Bromophenyl-phenylether	10.87	248	452661	46.362	nq	95
68) Hexachlorobenzene	10.95	284	497212	46.582	nq	94
69) Atrazine	11.03	200	294068	47.981	nq	97
70) Pentachlorophenol	11.15	266	522164	89.821	nq	99
71) Phenanthrene	11.36	178	2204688	50.955	nq	100
72) Anthracene	11.41	178	2251703	50.559	nq	100
73) Carbazole	11.57	167	1960445	48.879	nq	98
74) Di-n-butylphthalate	11.90	149	2426995	47.806	nq	99
75) Fluoranthene	12.56	202	2401170	51.682	nq	97
77) Benzidine	12.68	184	45267	1.882	nq	99
78) Pyrene	12.79	202	2451616	48.661	nq	99
80) Butylbenzylphthalate	13.42	149	1073902	46.389	nq	99
81) Benzo(a)anthracene	14.00	228	2128188	50.032	nq	100
82) 3,3'-Dichlorobenzidine	13.96	252	343153	20.073	nq	99
83) Chrysene	14.03	228	2061706	49.365	nq	99
84) Bis(2-ethylhexyl)phthalate	13.99	149	1367036	49.192	nq	# 99
85) Di-n-octyl phthalate	14.61	149	2517922	48.887	nq	99
86) Indeno(1,2,3-cd)pyrene	16.99	276	2276631	44.720	nq	99
88) Benzo(b)fluoranthene	15.06	252	2286149	49.446	nq	98
89) Benzo(k)fluoranthene	15.09	252	2124668	52.681	nq	99
90) Benzo(a)pyrene	15.43	252	2199387	52.279	nq	99
91) Dibenzo(a,h)anthracene	17.00	278	1911608	48.736	nq	99
92) Benzo(g,h,i)perylene	17.43	276	1810568	44.908	nq	99

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

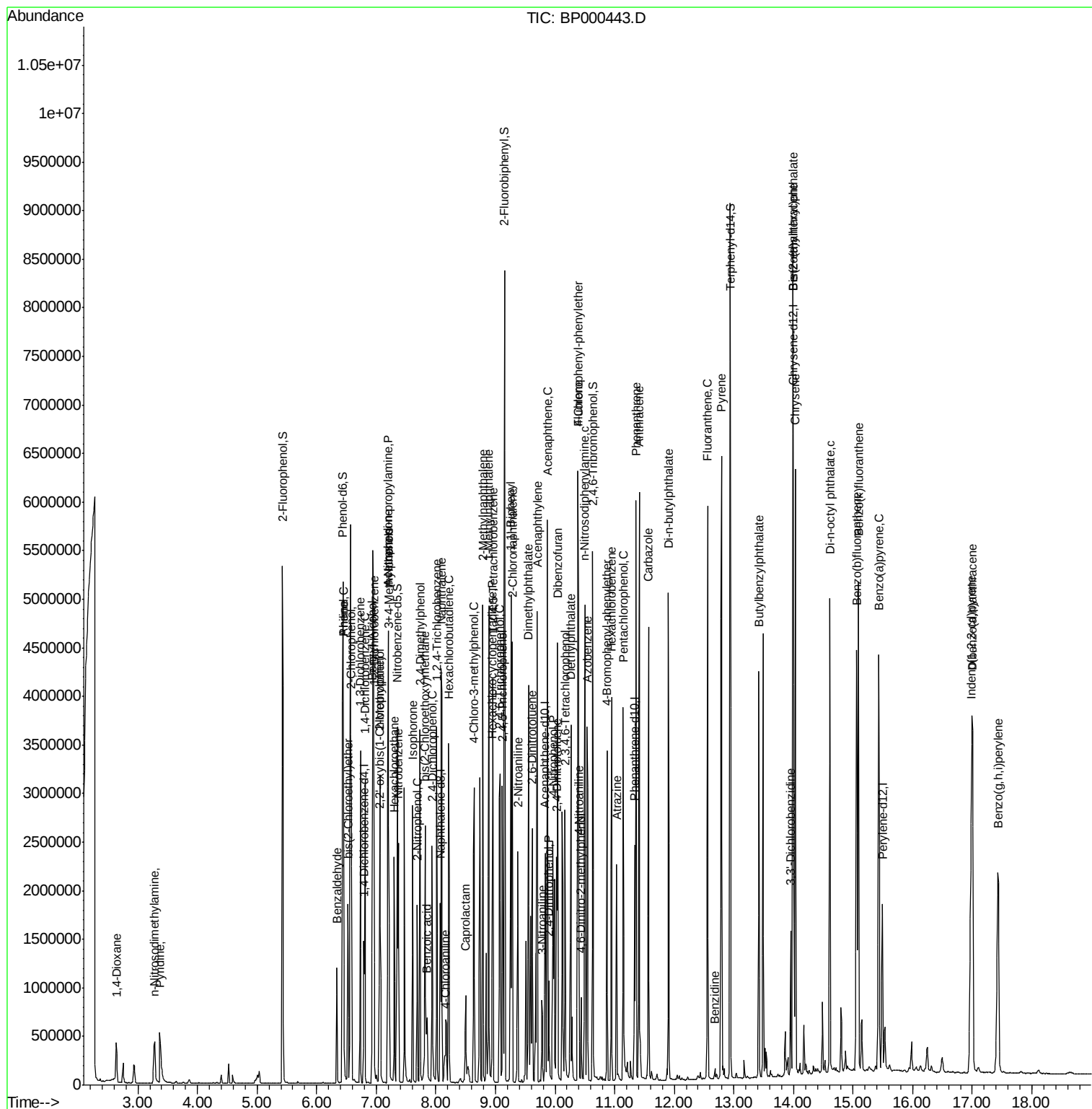
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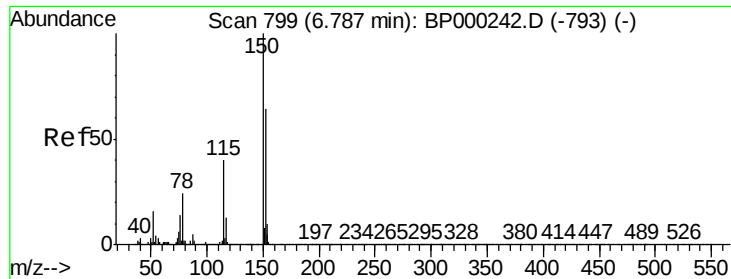
Instrument :
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#1

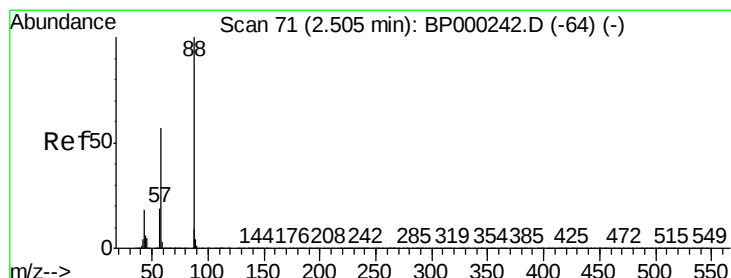
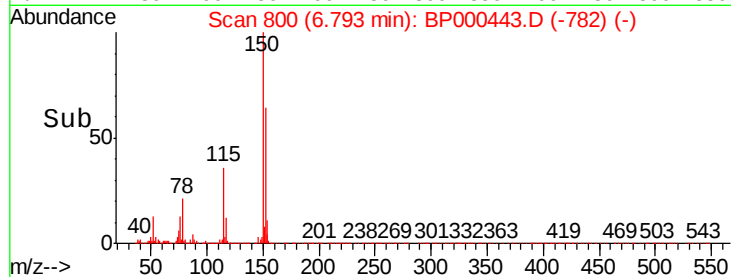
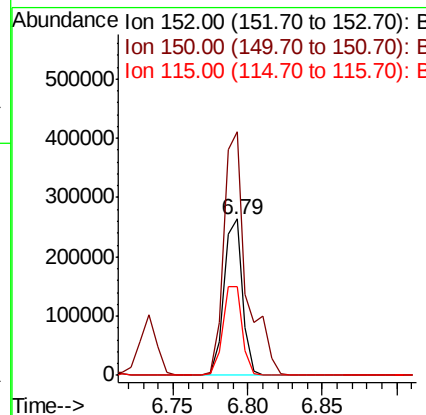
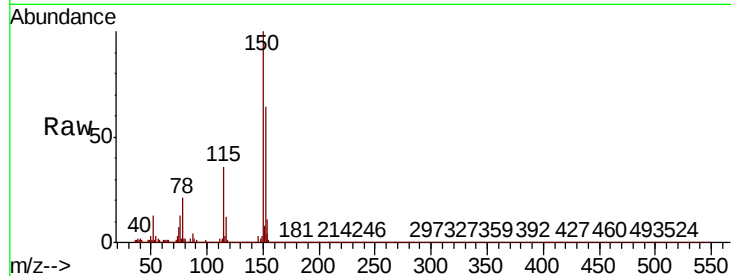
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
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BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	125.2	187.8
115	56.7	49.7	74.5

Manual Integrations
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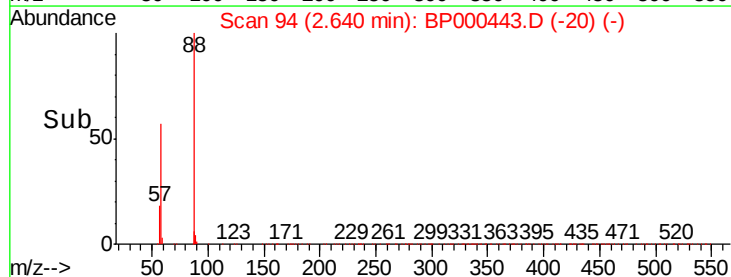
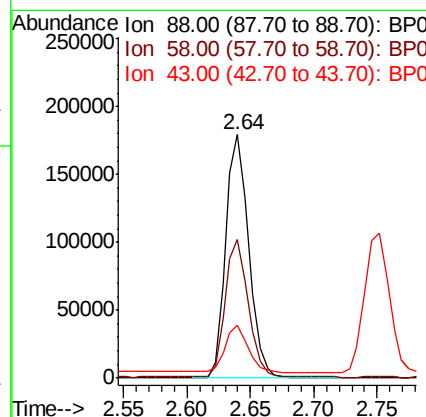
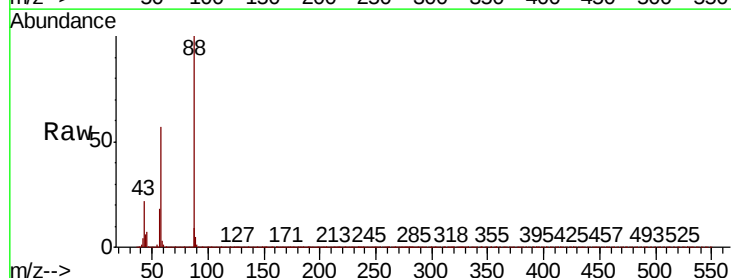
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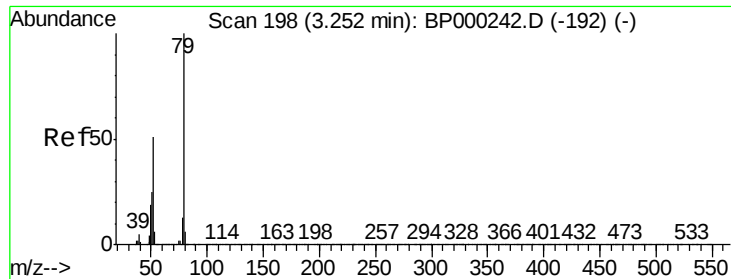


#2

1,4-Dioxane
Concen: 37.648 ng
RT: 2.64 min Scan# 94
Delta R.T. 0.13 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
88	100		
58	56.7	45.4	68.2
43	0.0	15.0	22.6#





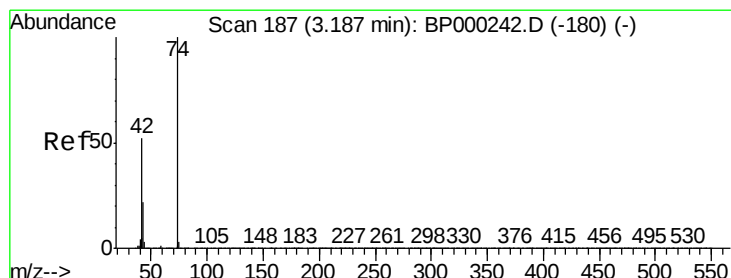
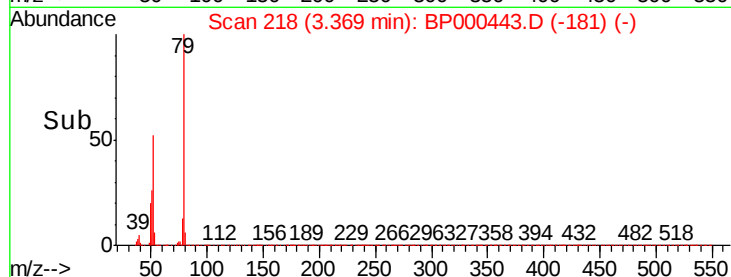
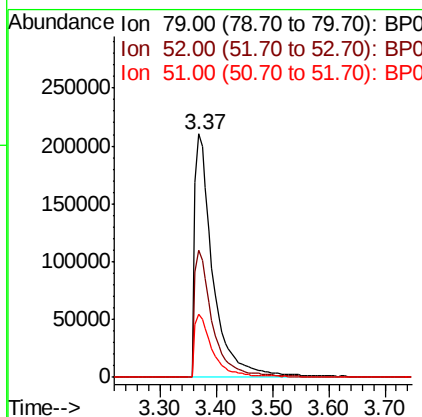
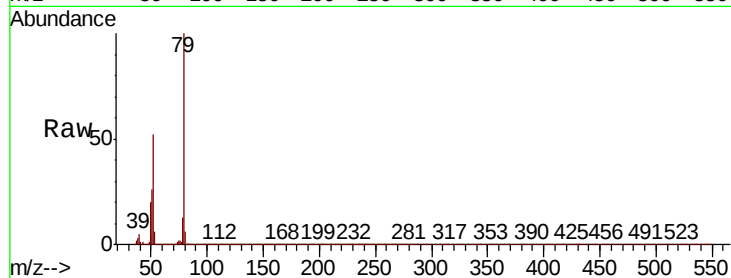
#3
 Pvridine
 Concen: 28.868 ng
 RT: 3.37 min Scan# 218
 Delta R.T. 0.12 min
 Lab File: BP000443.D
 Acq: 27 Sep 2019 02:38

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	79	100	467585		
52	52	52.2		40.9	61.3
51	51	26.0		20.2	30.2

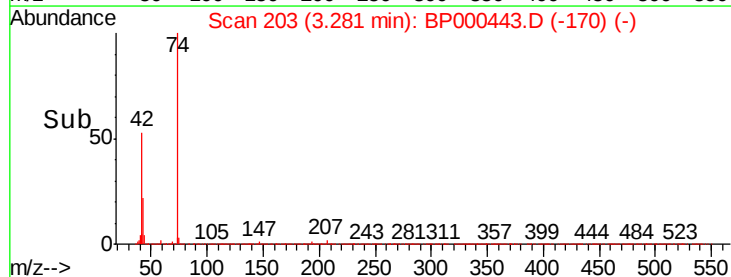
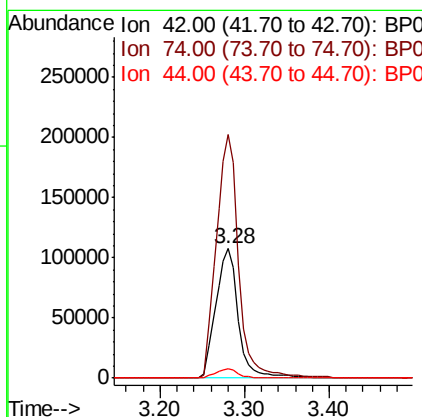
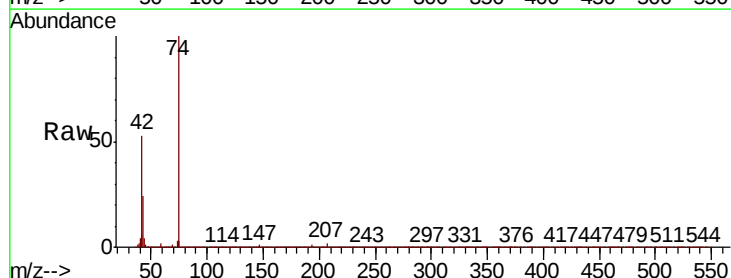
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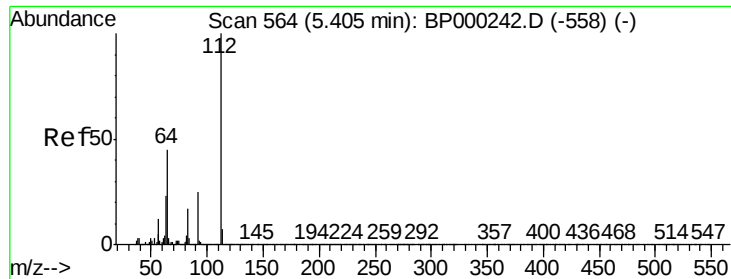
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#4
 n-Nitrosodimethylamine
 Concen: 43.431 ng
 RT: 3.28 min Scan# 203
 Delta R.T. 0.09 min
 Lab File: BP000443.D
 Acq: 27 Sep 2019 02:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100	198359		
74	74	187.8		154.5	231.7
44	44	6.8		5.9	8.9





#5

2-Fluorophenol

Concen: 133.262 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.02 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

Instrument :

BNA_P

ClientSampleId :

BU-02-092419MSD

Tot Ion:112 Resp: 1776768

Ion Ratio Lower Upper

112 100

64 45.4 36.2 54.4

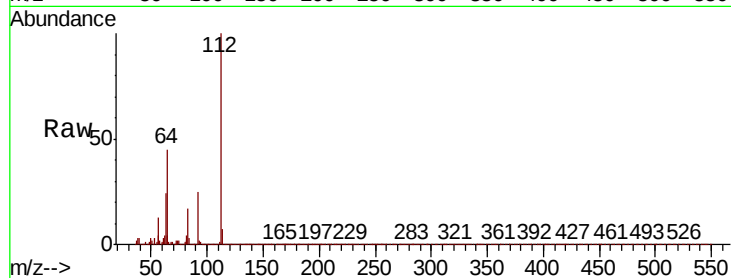
63 23.6 18.3 27.5

Manual Integrations

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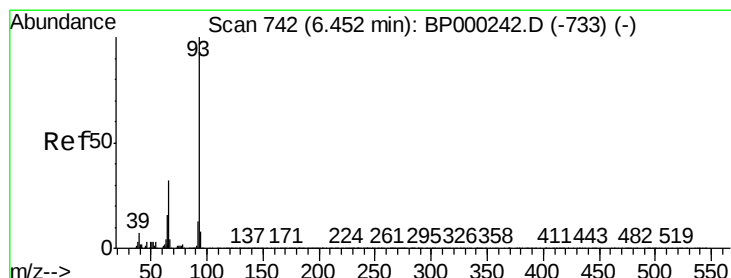
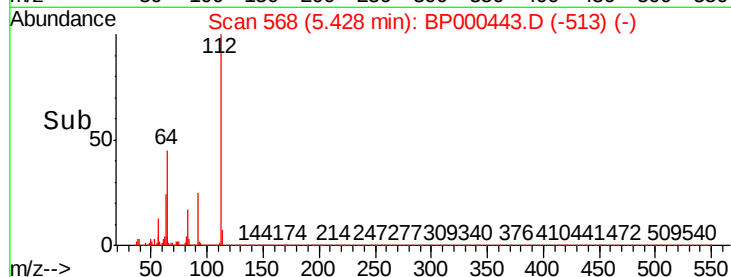
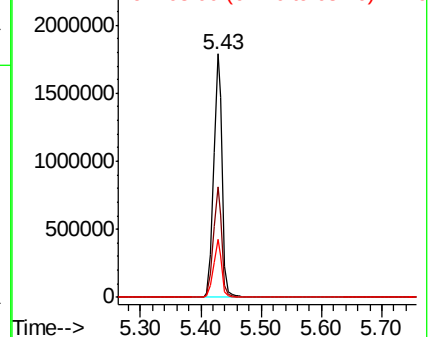
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#6

Aniline

Concen: 8.708 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

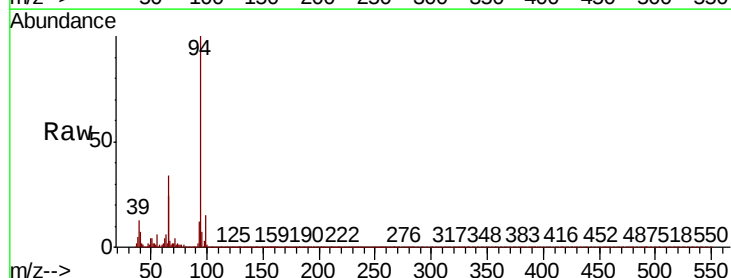
Tgt Ion: 93 Resp: 196225

Ion Ratio Lower Upper

93 100

66 273.0 26.2 39.2#

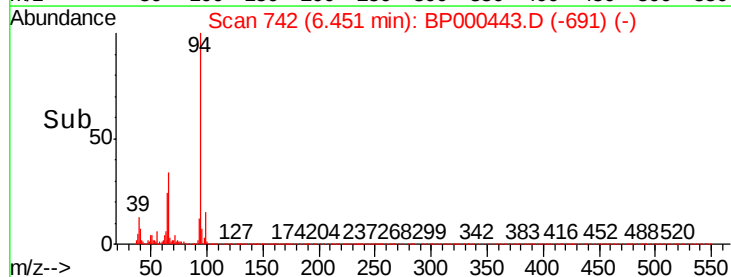
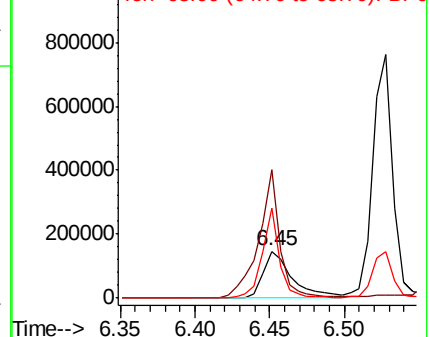
65 190.7 12.7 19.1#

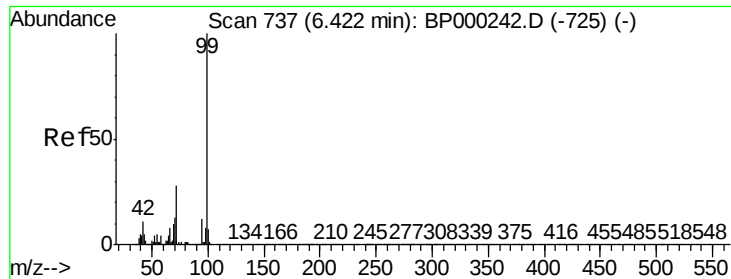


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 136.810 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.02 min

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BU-02-092419MSD

Tot Ion: 99 Resp: 2235927

Ion Ratio Lower Upper

99 100

42 10.8 8.5 12.7

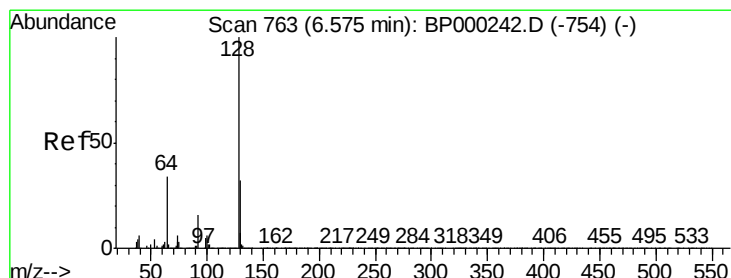
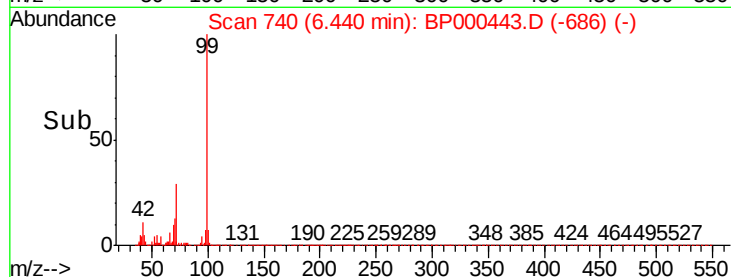
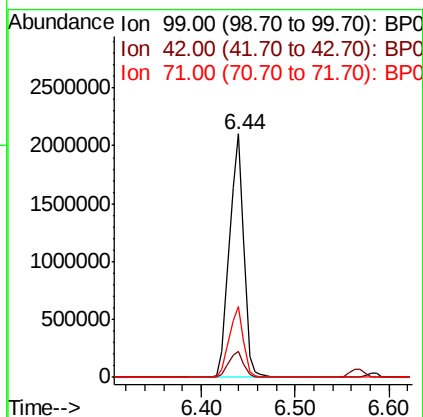
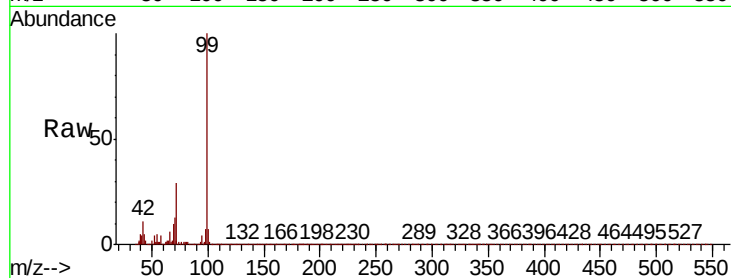
71 29.1 22.6 34.0

Manual Integrations

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#8

2-Chlorophenol

Concen: 48.253 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.01 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

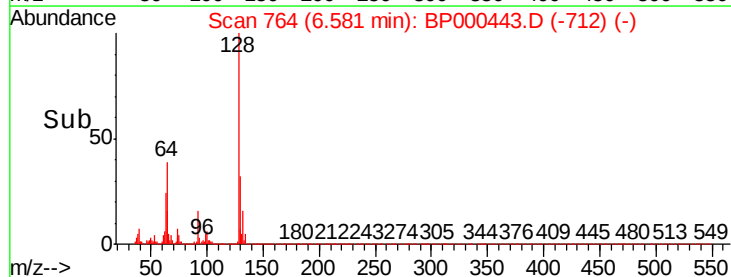
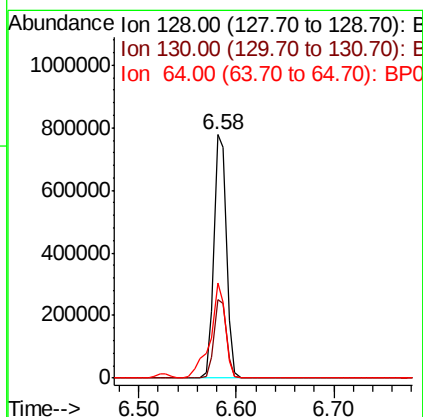
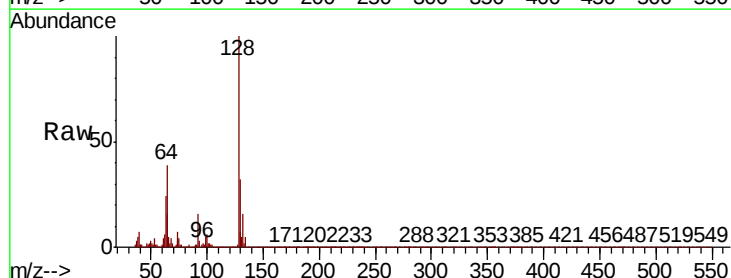
Tgt Ion: 128 Resp: 692775

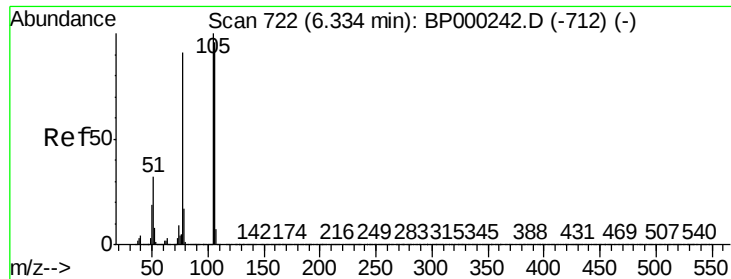
Ion Ratio Lower Upper

128 100

130 32.1 12.5 52.5

64 38.8 16.0 56.0





#9

Benzaldehyde

Concen: 24.066 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.01 min

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Instrument :

BNA_P

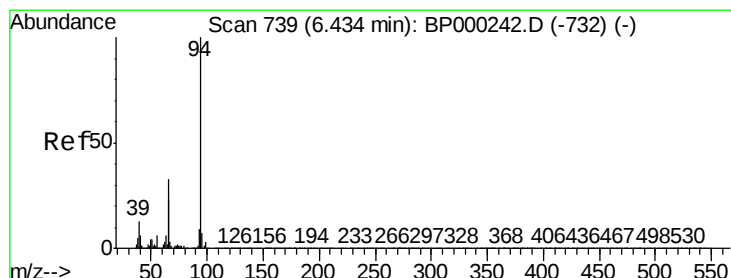
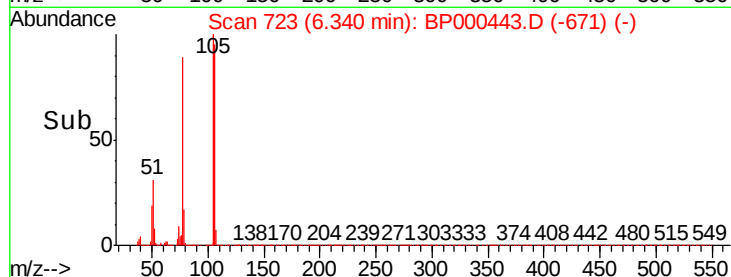
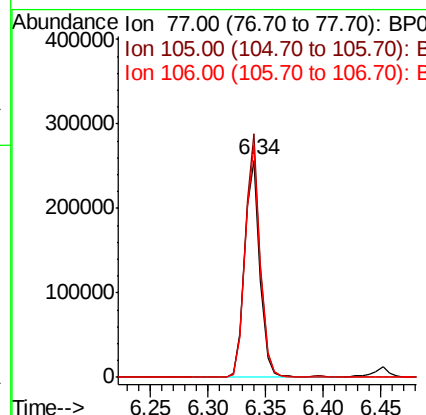
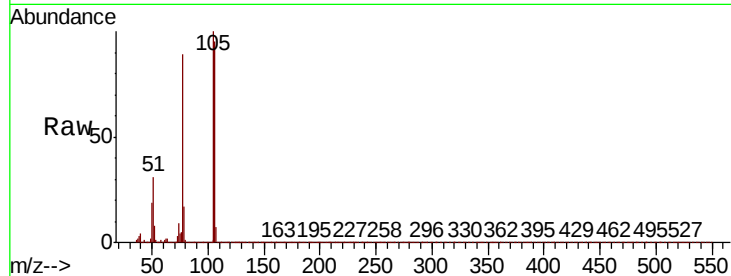
ClientSampleId :

BU-02-092419MSD

Tot Ion:	77	Resp:	234865
Ion Ratio	Lower	Upper	
77	100		
105	112.1	89.6	129.6
106	107.0	84.6	124.6

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#10

Phenol

Concen: 44.684 ng

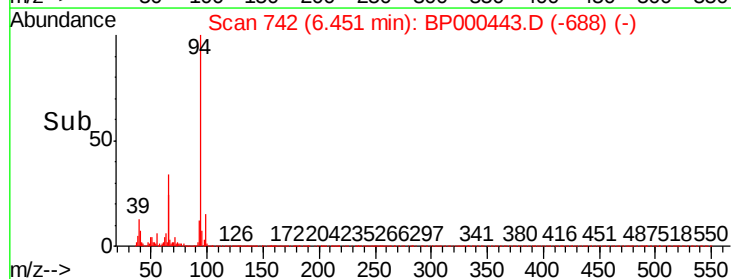
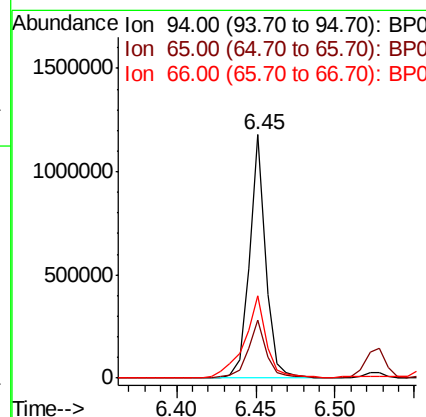
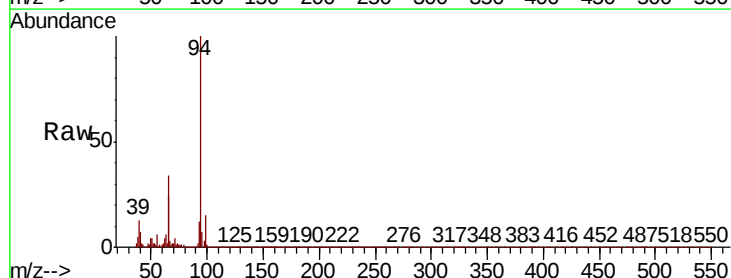
RT: 6.45 min Scan# 742

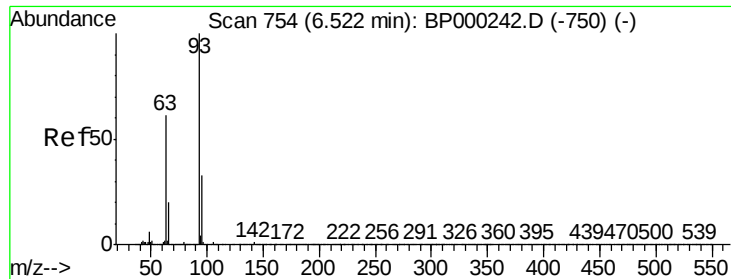
Delta R.T. 0.02 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

Tgt Ion:	94	Resp:	829712
Ion Ratio	Lower	Upper	
94	100		
65	23.8	3.3	43.3
66	34.0	12.7	52.7





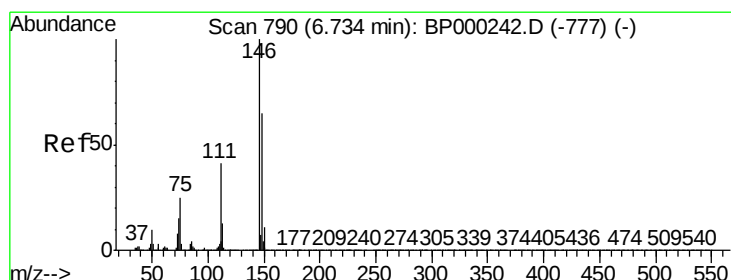
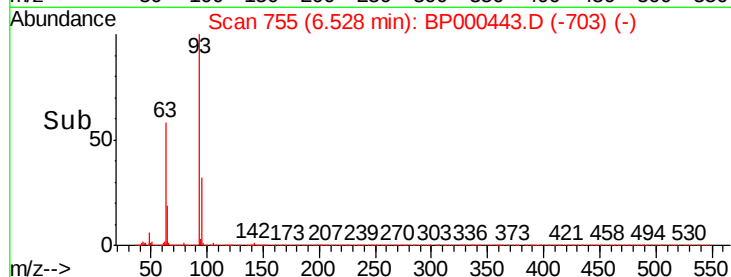
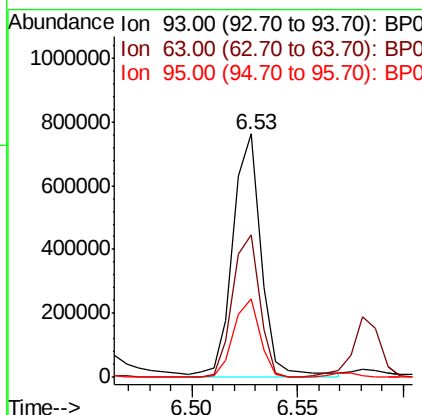
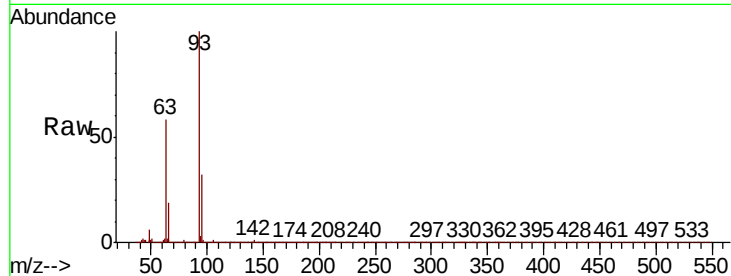
#11
bis(2-Chloroethyl)ether
Concen: 50.026 ng
RT: 6.53 min Scan# 755
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		711344		
63	58.3	41.0	81.0		
95	32.4	12.7	52.7		

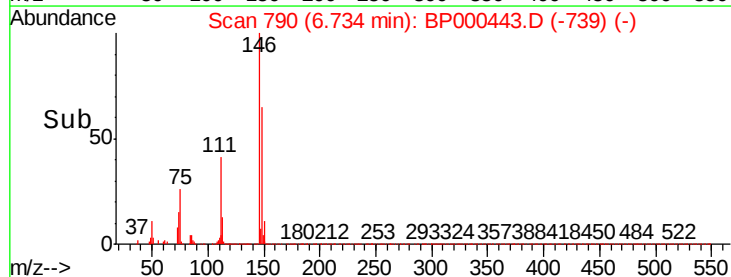
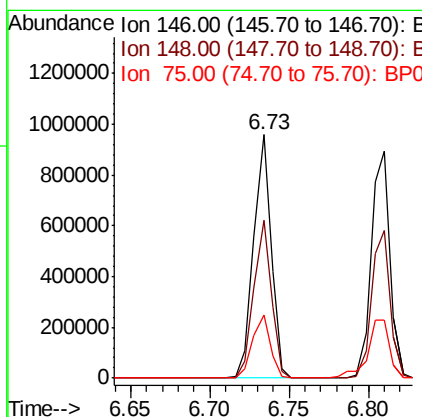
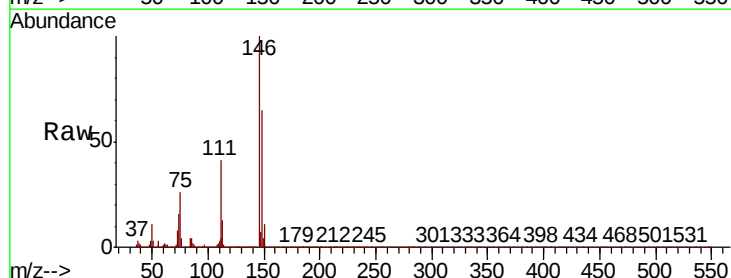
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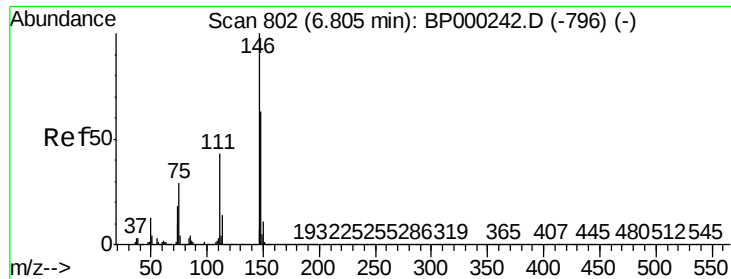
mohammad
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#12
1,3-Dichlorobenzene
Concen: 42.813 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		737620		
148	64.9	52.1	78.1		
75	26.1	20.2	30.4		





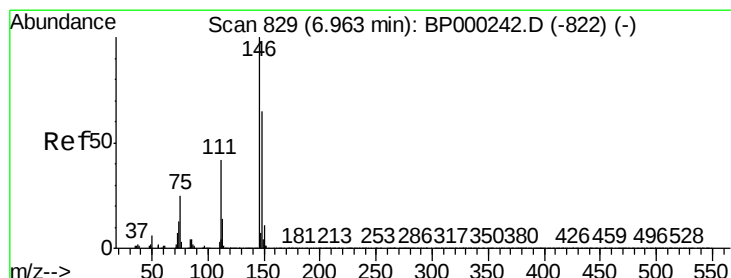
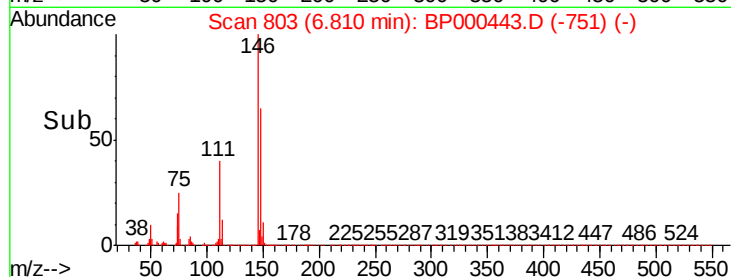
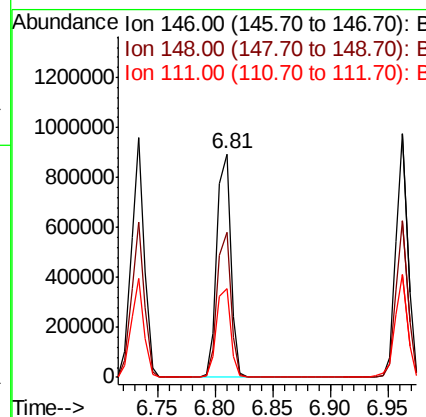
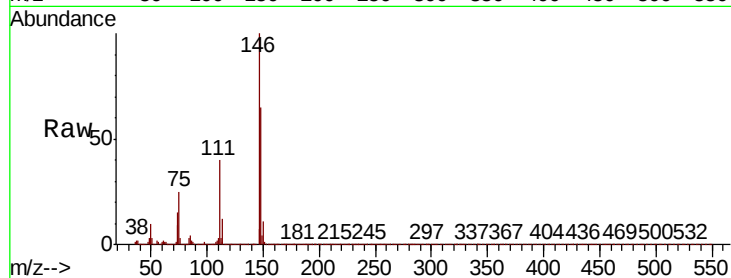
#13
1,4-Dichlorobenzene
Concen: 43.632 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.7	76.1
111	39.6	34.1	51.1

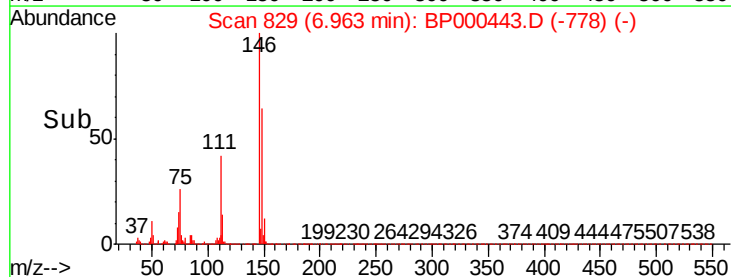
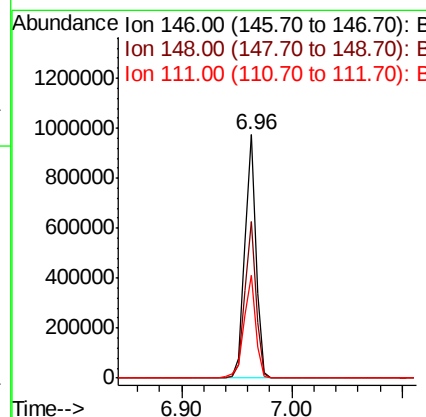
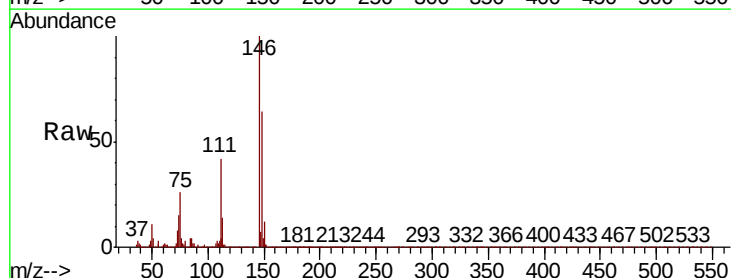
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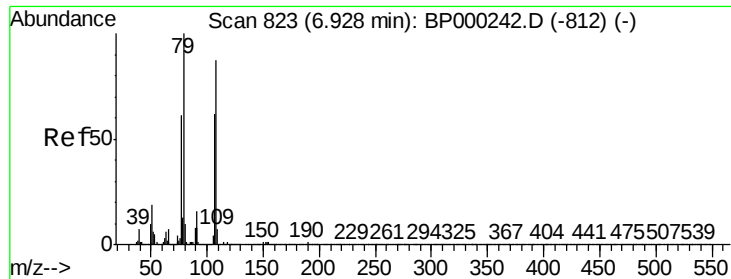
mohammad
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#14
1,2-Dichlorobenzene
Concen: 44.277 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.7	77.5
111	42.1	33.4	50.2





#15

Benzyl Alcohol

Concen: 43.575 ng

RT: 6.93 min Scan# 824

Delta R.T. 0.01 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

Instrument :

BNA_P

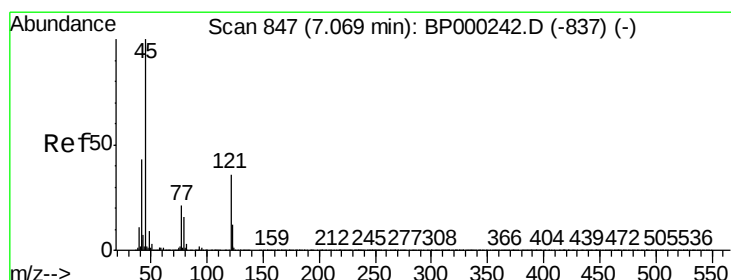
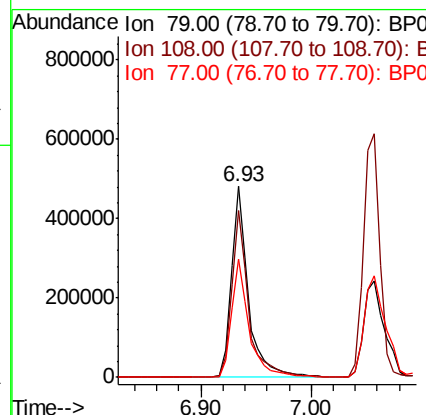
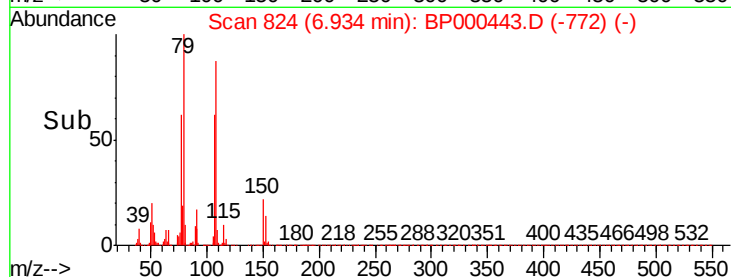
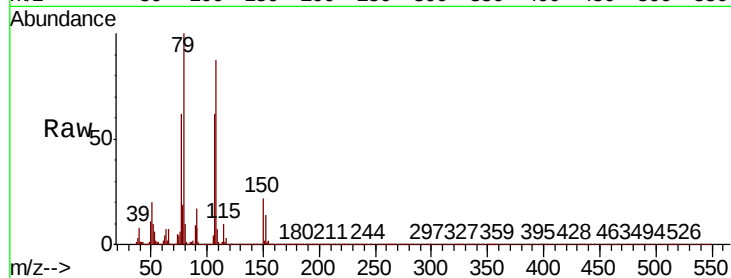
ClientSampleId :

BU-02-092419MSD

Tot Ion:	79	Resp:	518255
Ion Ratio	Lower	Upper	
79	100		
108	87.4	69.2	103.8
77	62.2	48.7	73.1

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.083 ng

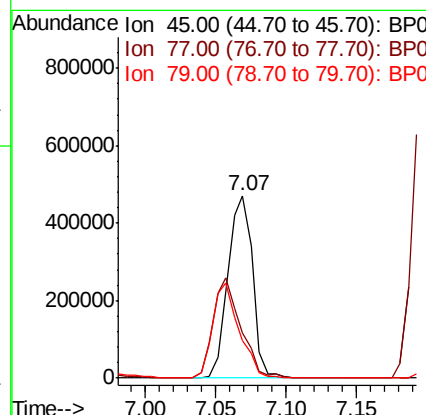
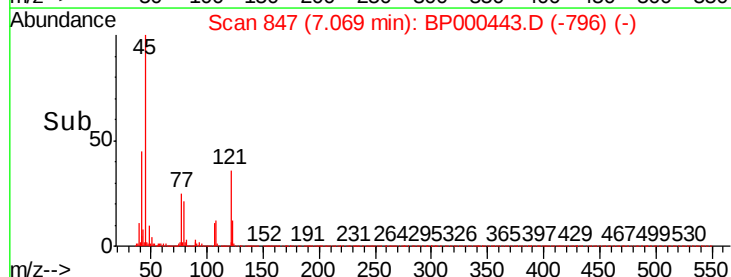
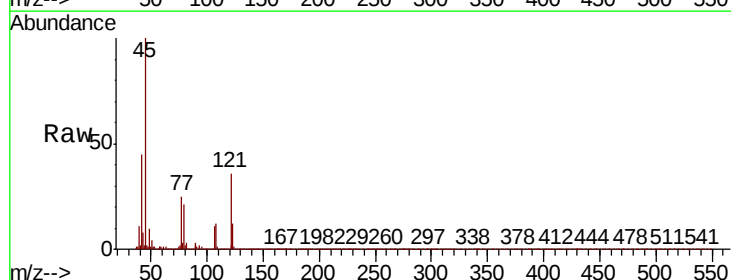
RT: 7.07 min Scan# 847

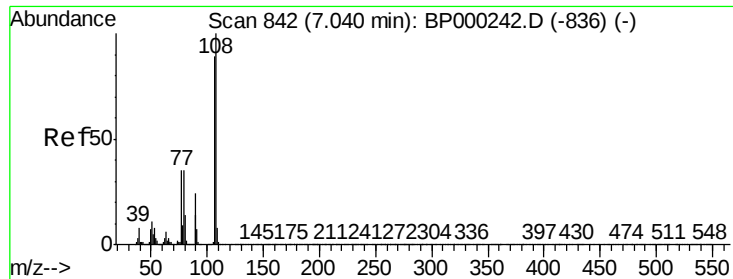
Delta R.T. -0.00 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

Tgt Ion:	45	Resp:	567323
Ion Ratio	Lower	Upper	
45	100		
77	24.7	0.7	40.7
79	20.8	0.0	36.4





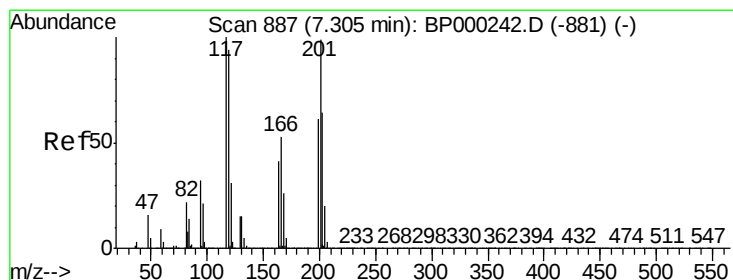
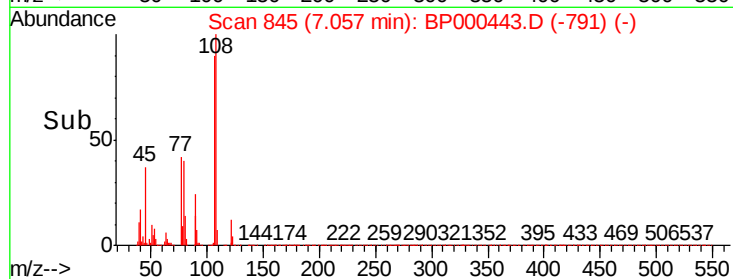
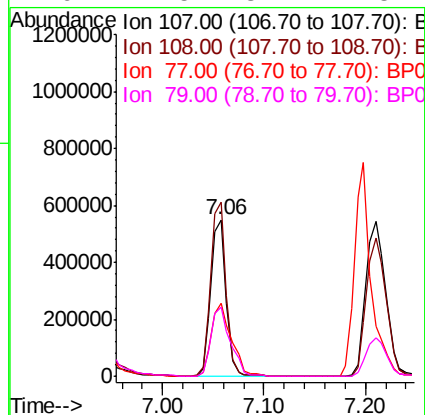
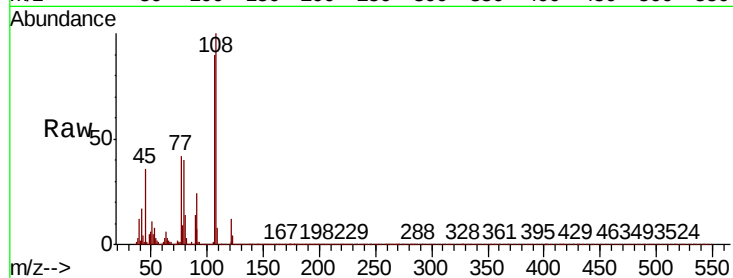
#17
2-Methylphenol
Concen: 46.849 ng
RT: 7.06 min Scan# 845
Delta R.T. 0.02 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.7	90.1	135.1	
77	46.8	31.5	47.3	
79	44.5	32.2	48.2	

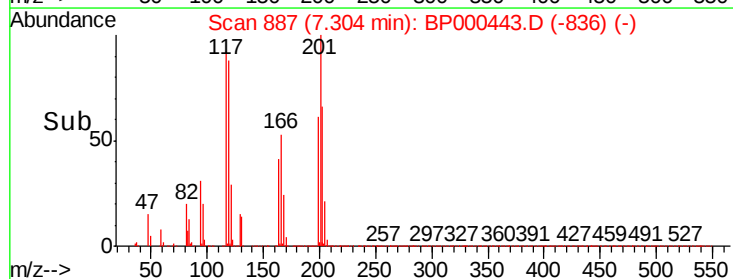
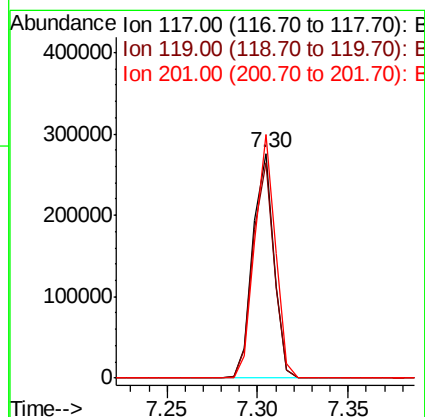
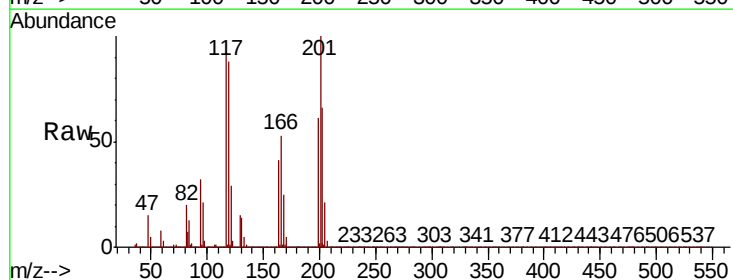
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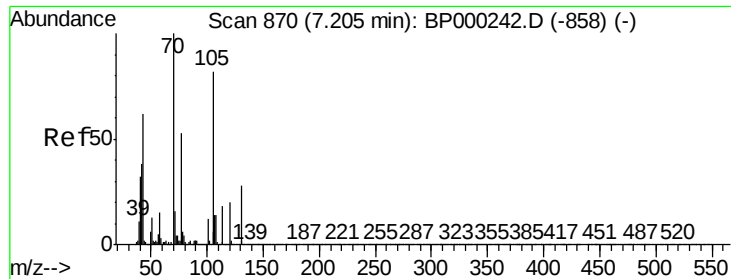
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#18
Hexachloroethane
Concen: 35.237 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.9	75.6	113.4	
201	108.3	79.4	119.2	





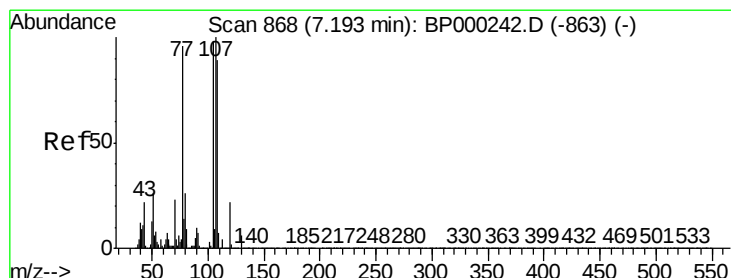
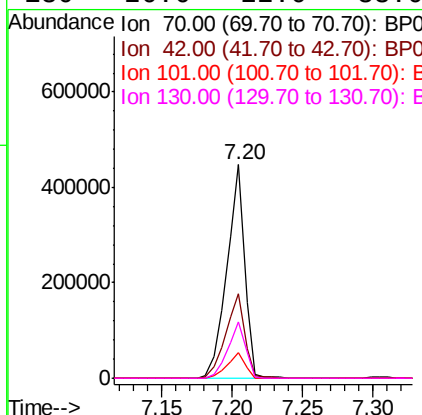
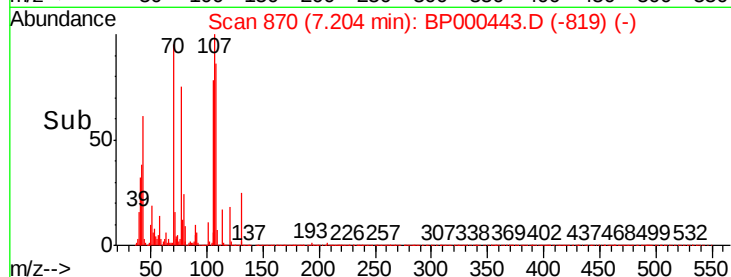
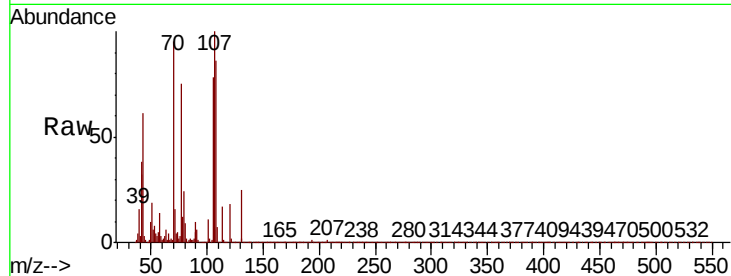
#19
n-Nitroso-di-n-propylamine
Concen: 45.663 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	39.9	30.7	46.1		
101	11.8	9.6	14.4		
130	26.6	22.0	33.0		

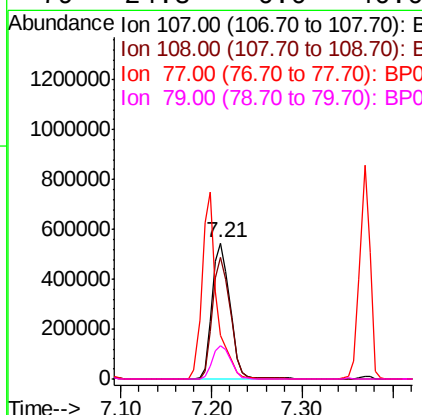
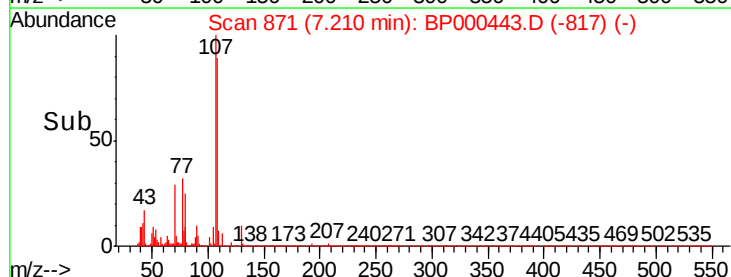
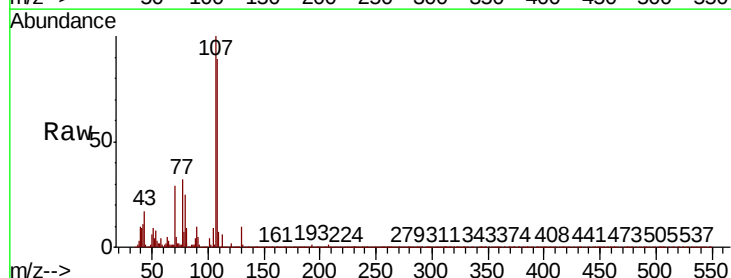
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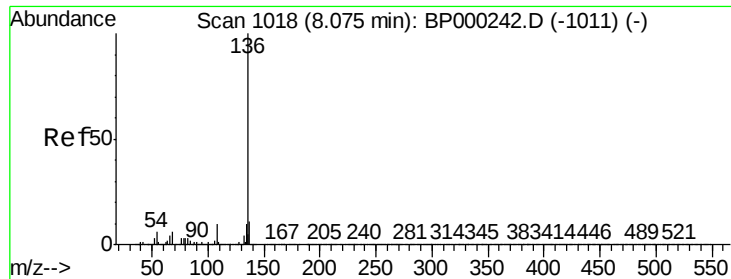
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#20
3+4-Methylphenols
Concen: 50.229 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.02 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	89.3	68.8	108.8		
77	32.4	75.7	115.7#		
79	24.8	6.0	46.0		





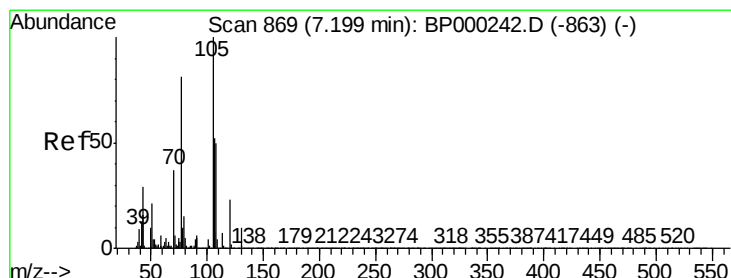
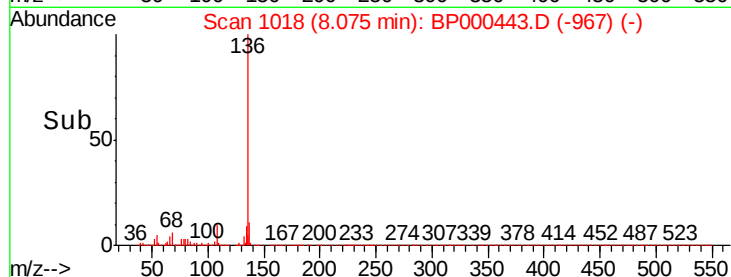
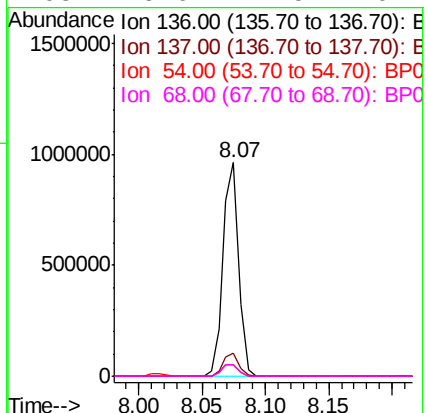
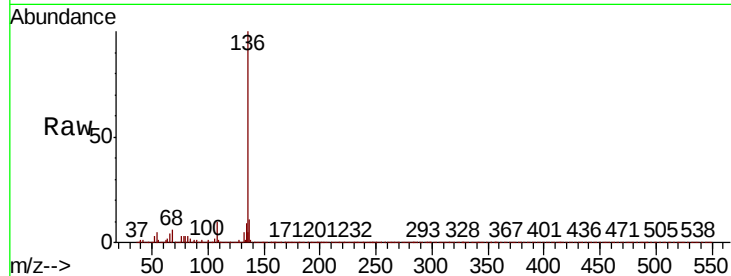
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	831802		
137	10.8		8.6	13.0
54	5.5		4.5	6.7
68	5.6		4.5	6.7

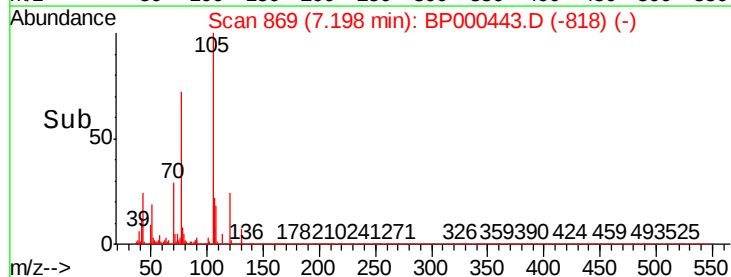
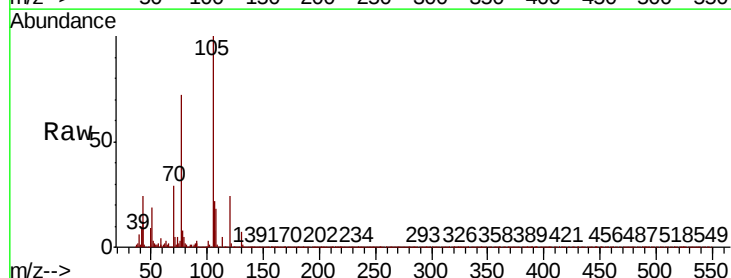
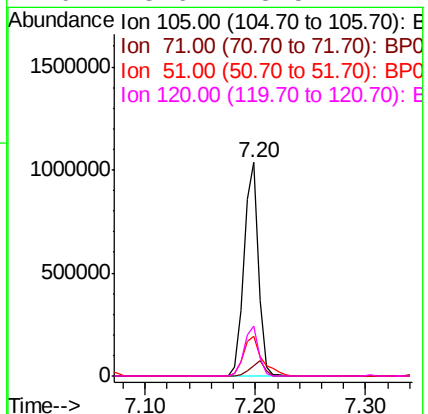
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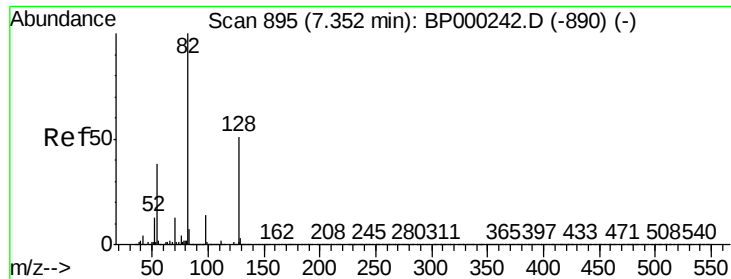
mohammad
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#22
Acetophenone
Concen: 52.764 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	951122		
71	4.9		5.2	7.8#
51	18.6		16.6	24.8
120	23.6		18.5	27.7





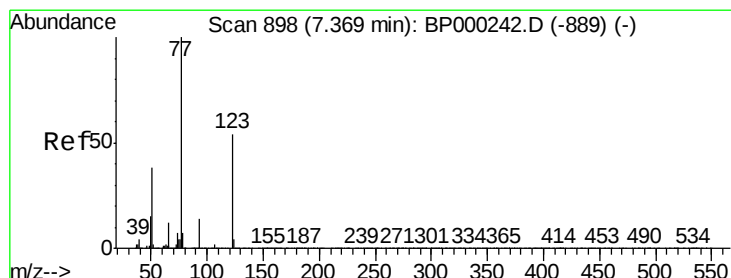
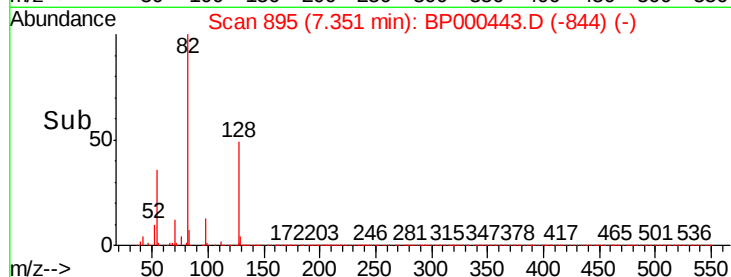
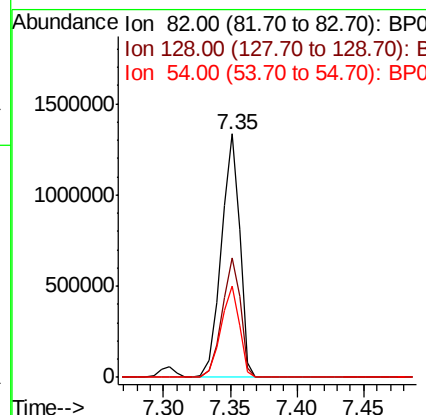
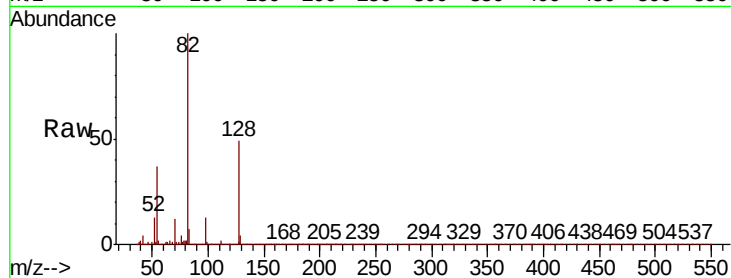
#23
 Nitrobenzene-d5
 Concen: 100.934 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.00 min
 Lab File: BP000443.D
 Acq: 27 Sep 2019 02:38

Instrument :
 BNA_P
 ClientSampleId :
 BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.3	40.7	61.1
54	37.3	30.1	45.1

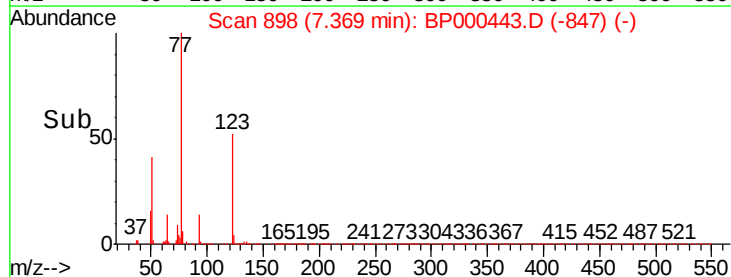
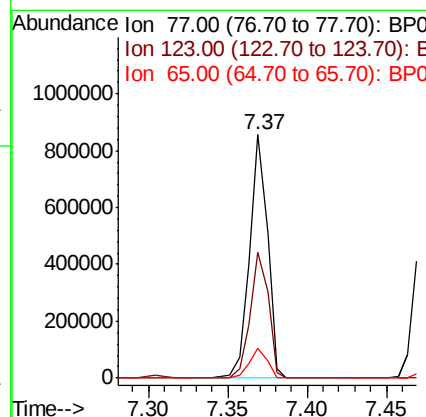
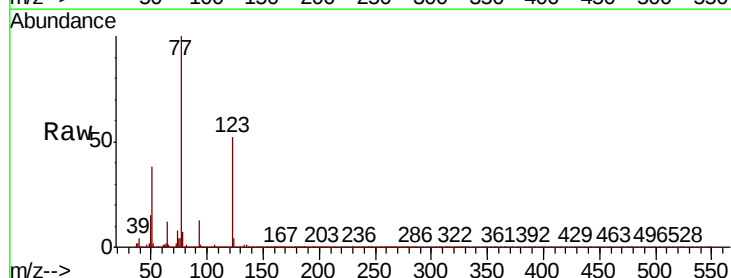
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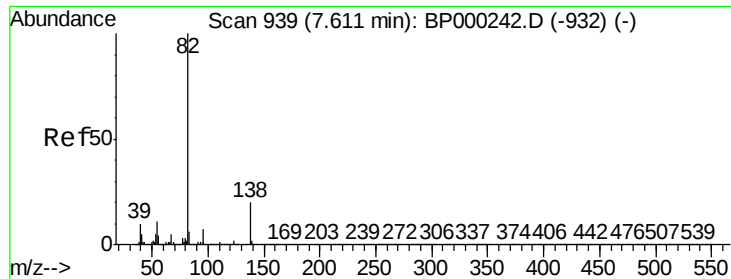
mohammad
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#24
 Nitrobenzene
 Concen: 49.787 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: BP000443.D
 Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.8	43.1	64.7
65	12.3	9.4	14.2





#25

Isophorone

Concen: 47.563 ng

RT: 7.61 min Scan# 939

Delta R.T. -0.00 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

Instrument :

BNA_P

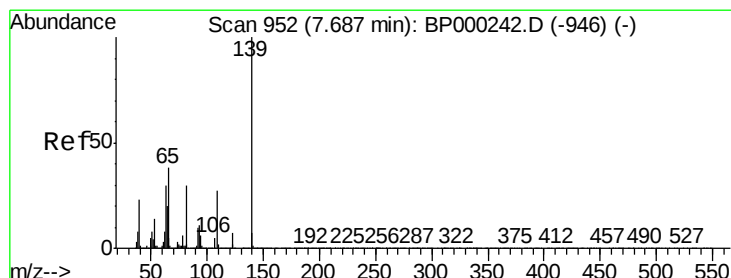
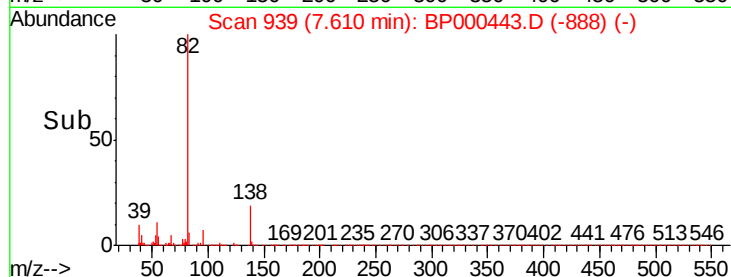
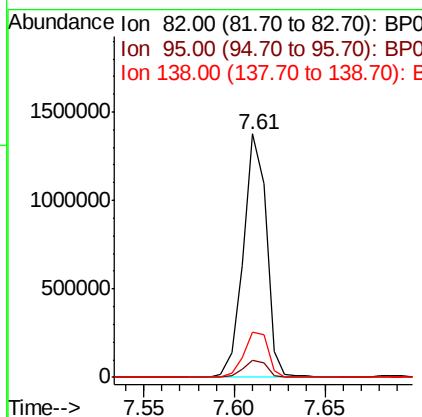
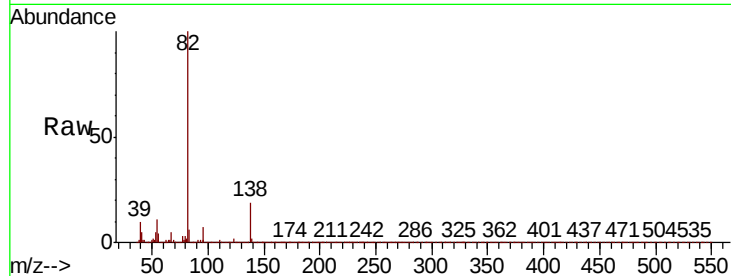
ClientSampleId :

BU-02-092419MSD

Tot Ion:	82	Resp:	1214202
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.9	8.9
138	18.8	15.9	23.9

Manual Integrations
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#26

2-Nitrophenol

Concen: 50.155 ng

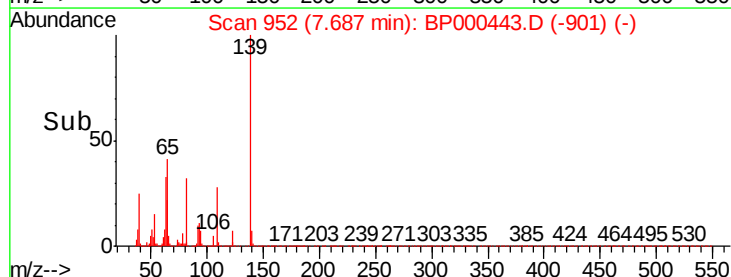
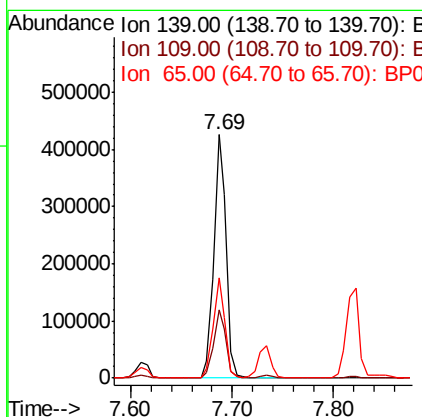
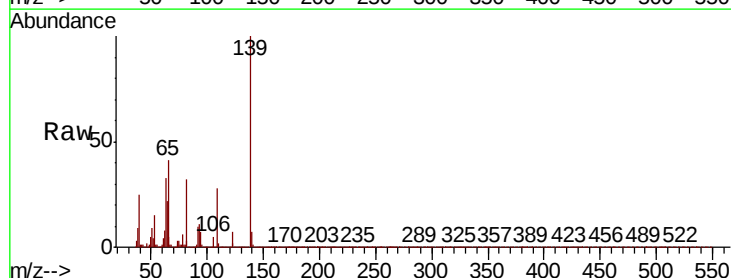
RT: 7.69 min Scan# 952

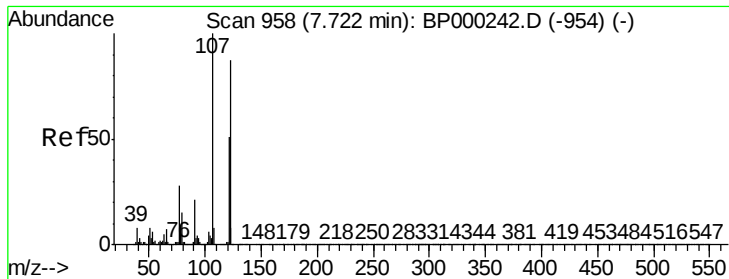
Delta R.T. -0.00 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

Tgt Ion:	139	Resp:	356054
Ion	Ratio	Lower	Upper
139	100		
109	28.1	21.8	32.6
65	41.1	30.5	45.7





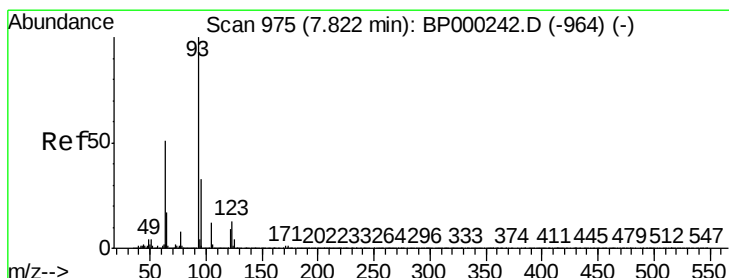
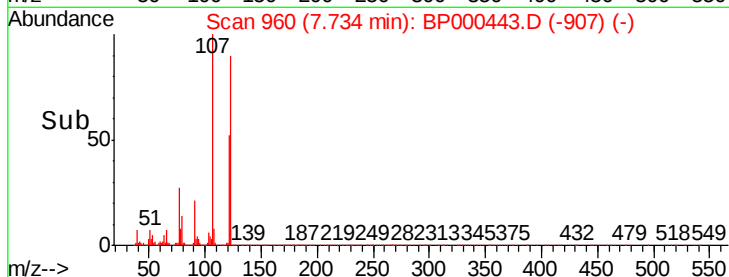
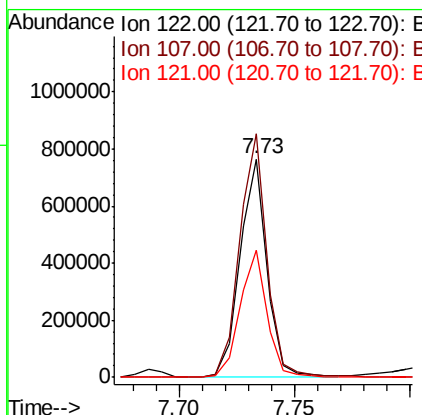
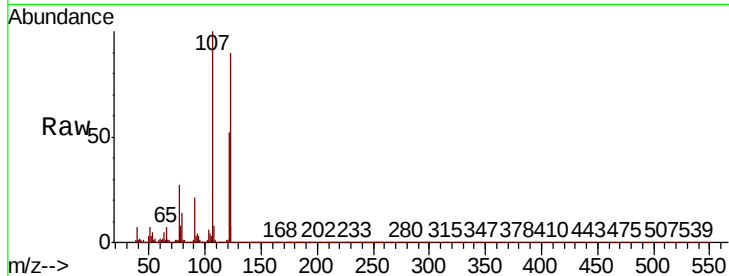
#27
2,4-Dimethylphenol
Concen: 55.043 ng
RT: 7.73 min Scan# 960
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	111.6	91.5	137.3
121	58.1	46.9	70.3

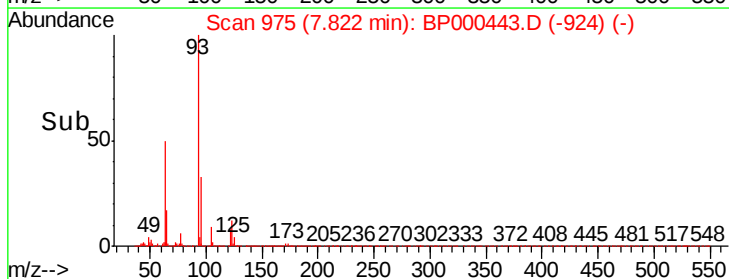
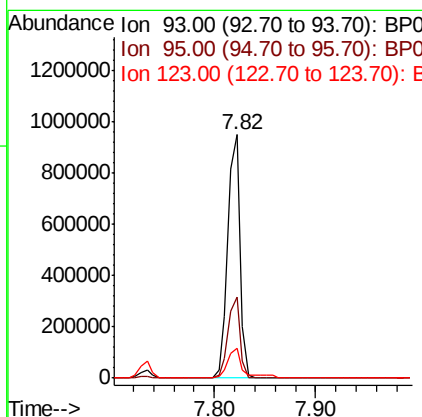
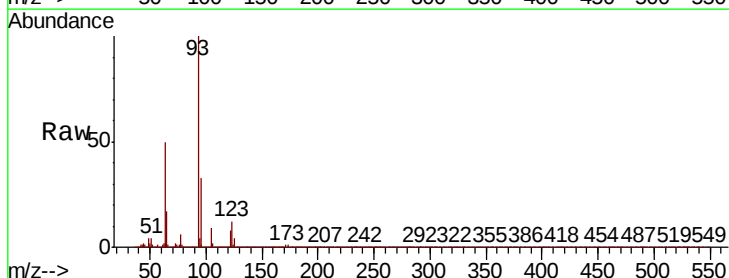
Manual Integrations
APPROVED

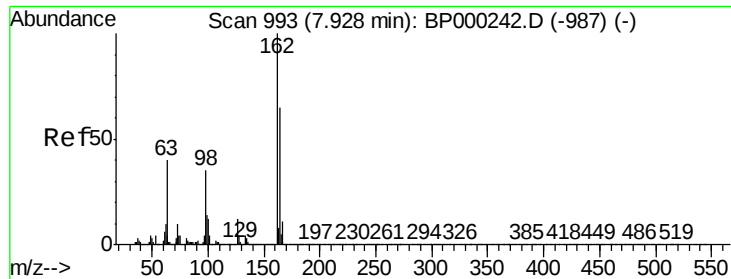
mohammad
9/27/2019 1:47:33 PM



#28
bis(2-Chloroethoxy)methane
Concen: 47.111 ng
RT: 7.82 min Scan# 975
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.2	39.4
123	12.4	10.2	15.2





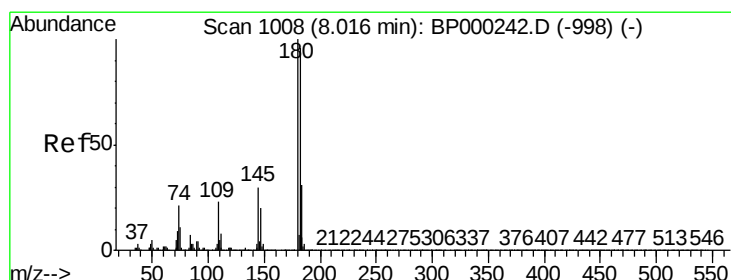
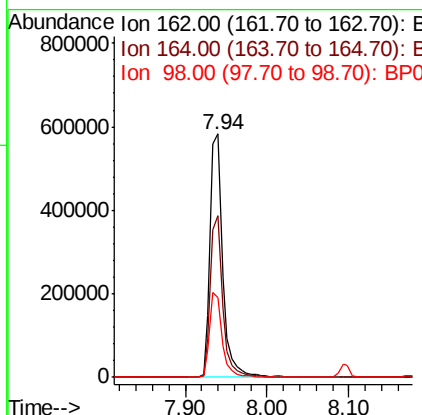
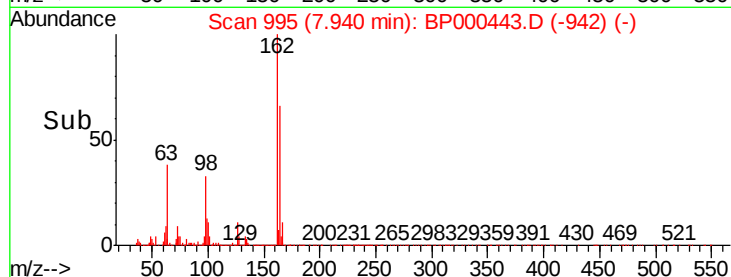
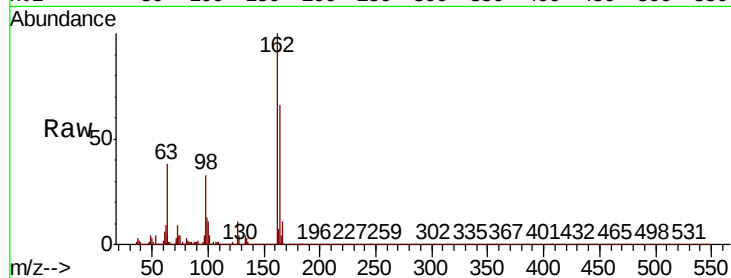
#29
2,4-Dichlorophenol
Concen: 51.455 ng
RT: 7.94 min Scan# 995
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion:	162	Resp:	623605
Ion Ratio	Lower	Upper	
162	100		
164	66.4	44.5	84.5
98	32.9	15.2	55.2

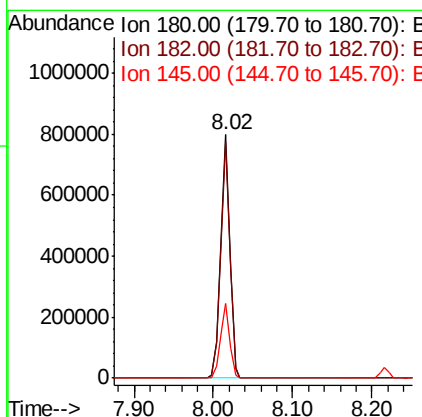
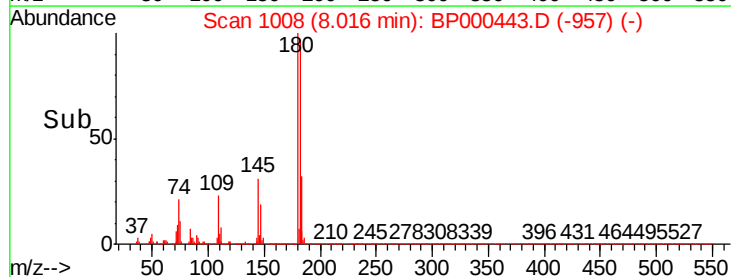
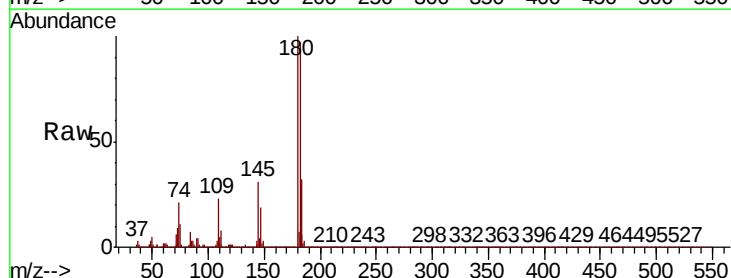
Manual Integrations
APPROVED

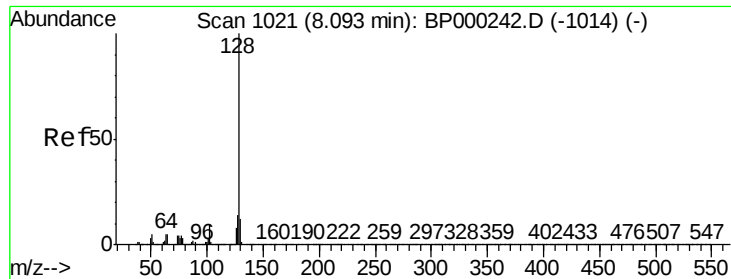
mohammad
9/27/2019 1:47:33 PM



#30
1,2,4-Trichlorobenzene
Concen: 46.811 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion:	180	Resp:	650276
Ion Ratio	Lower	Upper	
180	100		
182	97.1	77.2	115.8
145	30.6	24.3	36.5





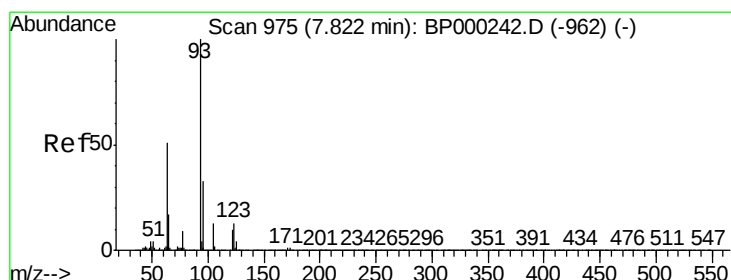
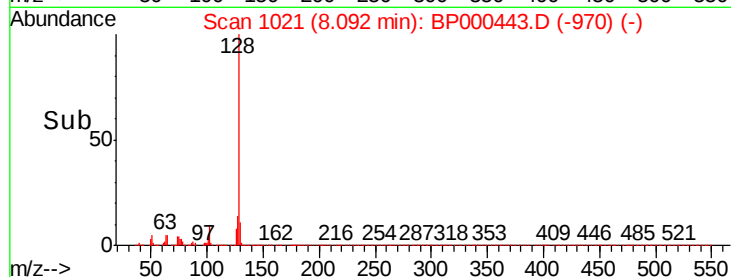
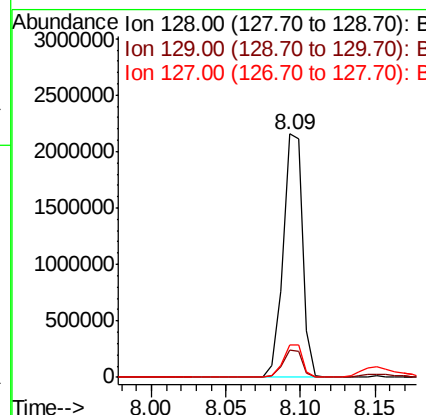
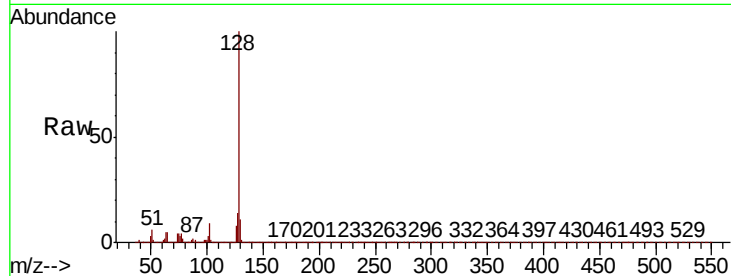
#31
Naphthalene
Concen: 51.249 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.6	11.0	16.6

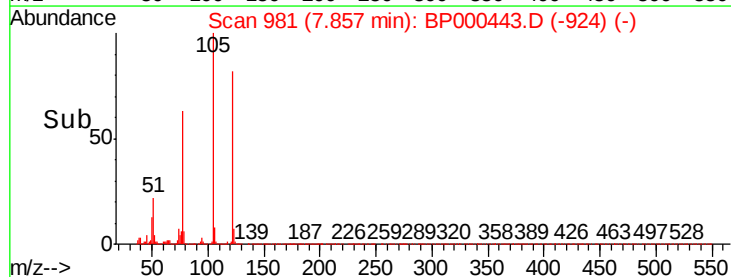
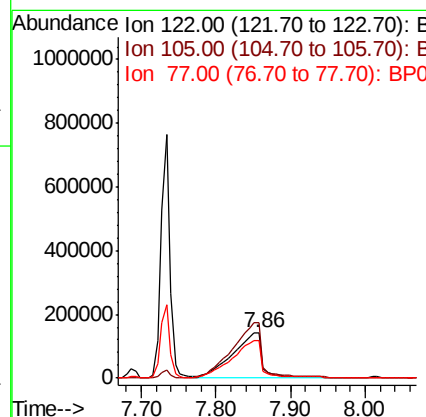
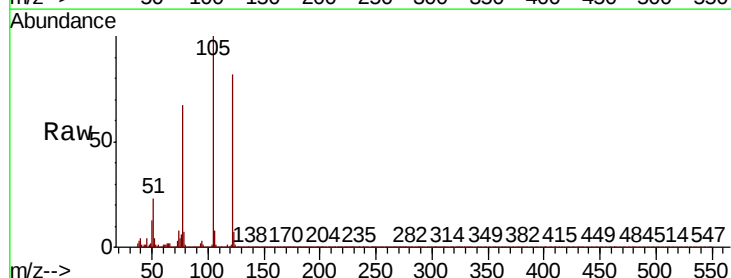
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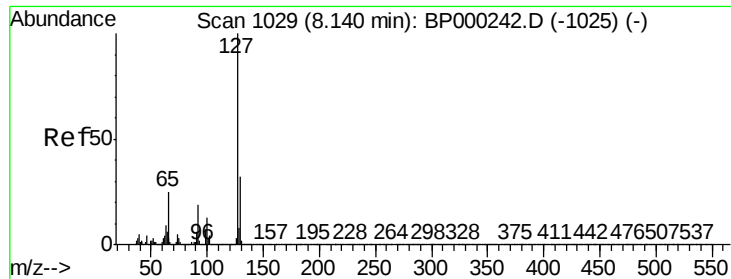
mohammad
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#32
Benzoic acid
Concen: 51.130 ng
RT: 7.86 min Scan# 981
Delta R.T. 0.03 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.5	105.4	145.4
77	81.9	65.3	105.3





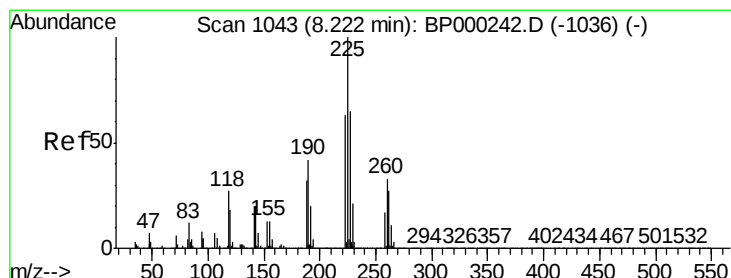
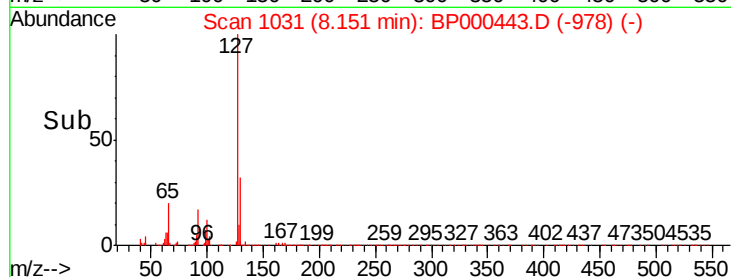
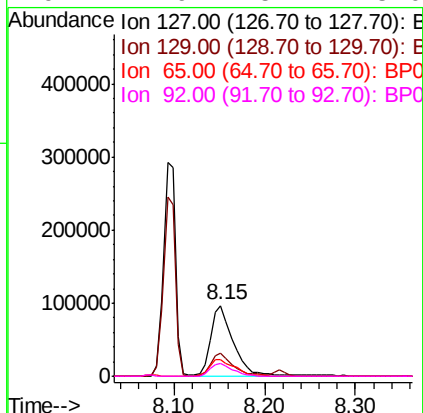
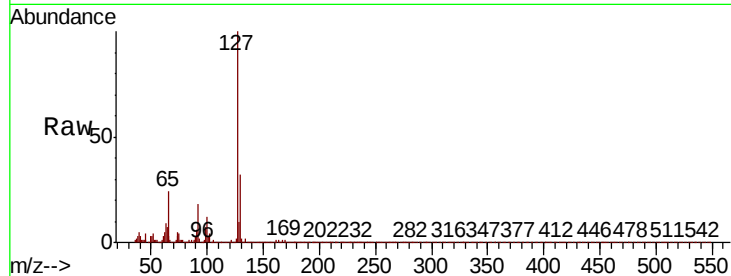
#33
4-Chloroaniline
Concen: 9.396 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		163807		
129	32.0	25.7	38.5		
65	23.8	19.9	29.9		
92	17.9	15.4	23.0		

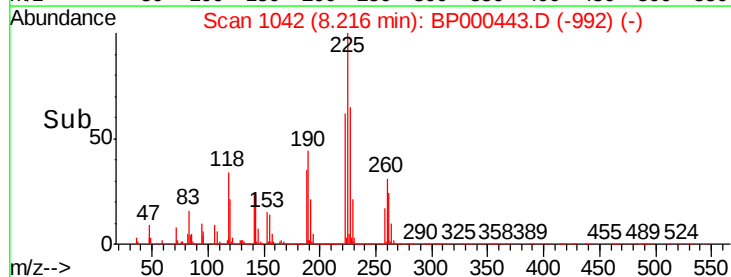
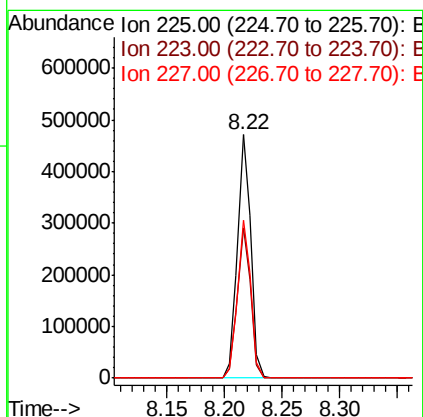
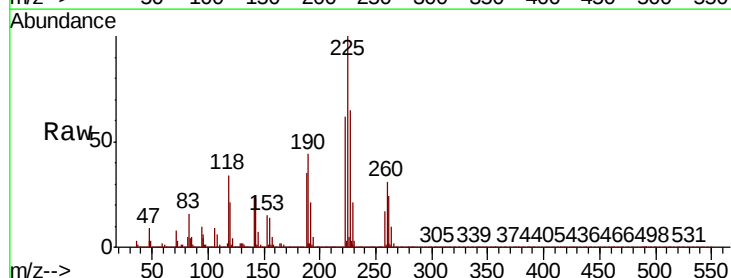
Manual Integrations
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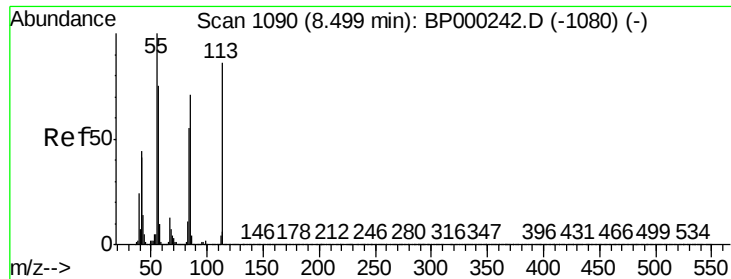
mohammad
9/27/2019 1:47:33 PM



#34
Hexachlorobutadiene
Concen: 45.716 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		376282		
223	61.9	50.2	75.2		
227	65.0	51.8	77.6		





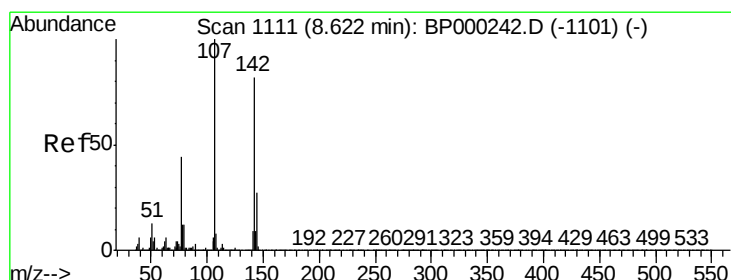
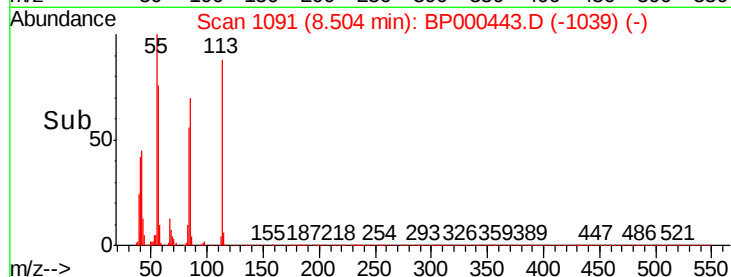
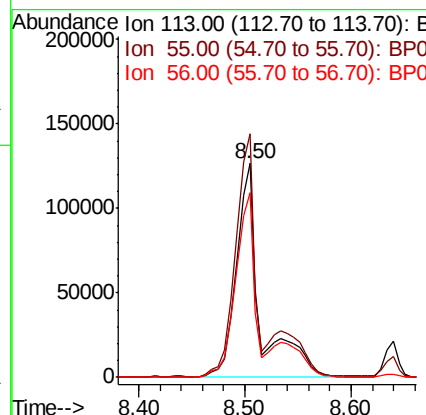
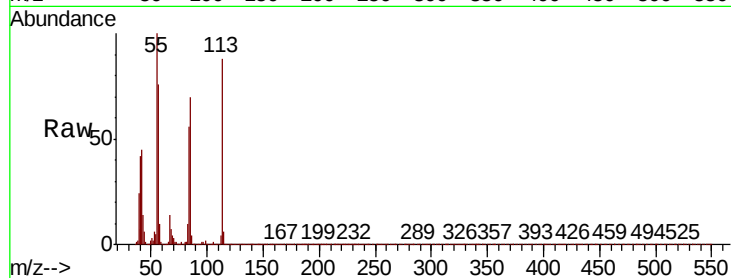
#35
Caprolactam
Concen: 48.823 ng/ml
RT: 8.50 min Scan# 1091
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100		201286		
55	114.0	96.8	136.8		
56	86.7	67.5	107.5		

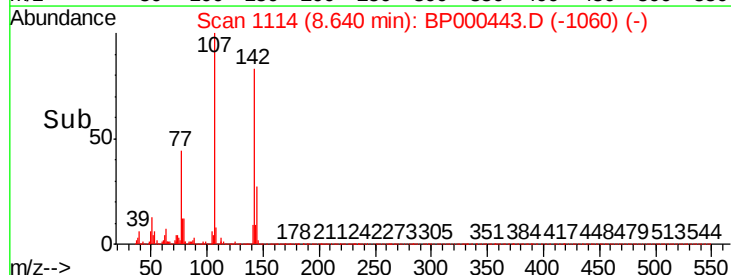
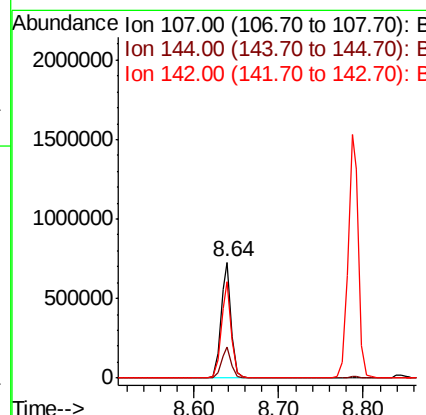
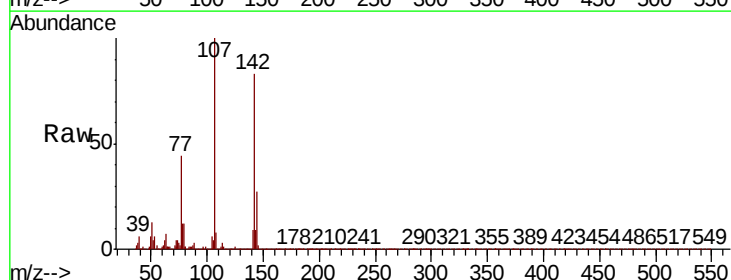
Manual Integrations
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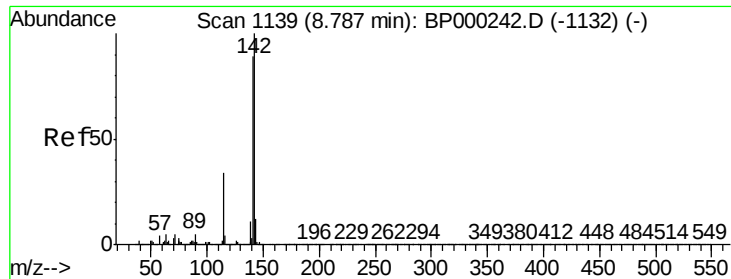
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 51.181 ng
RT: 8.64 min Scan# 1114
Delta R.T. 0.02 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		629684		
144	27.2	21.5	32.3		
142	82.8	65.7	98.5		





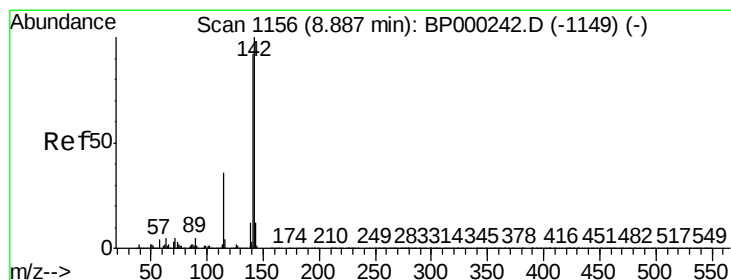
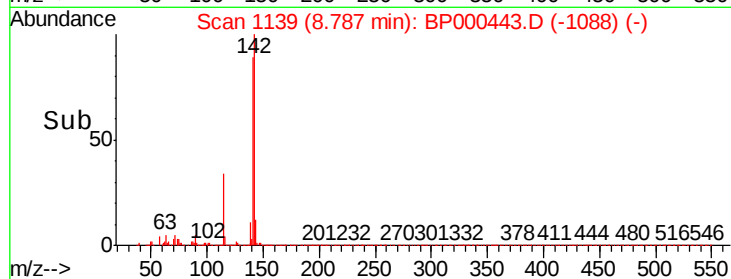
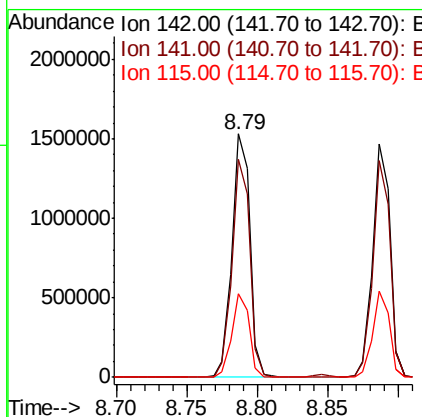
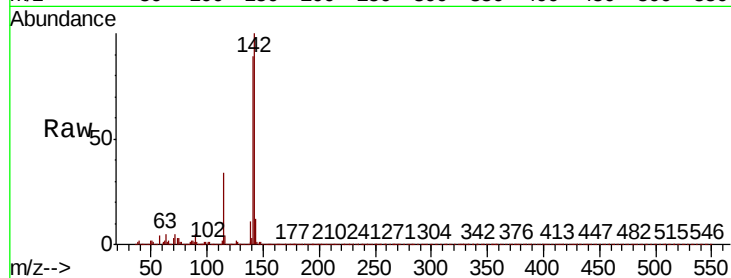
#37
2-Methylnaphthalene
Concen: 51.300 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.3	106.9
115	34.4	27.2	40.8

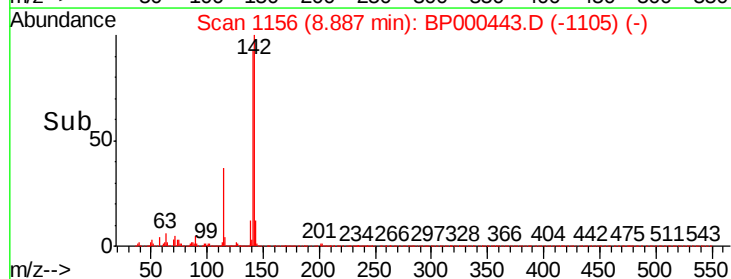
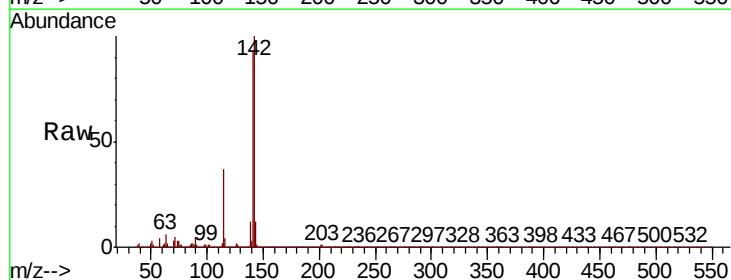
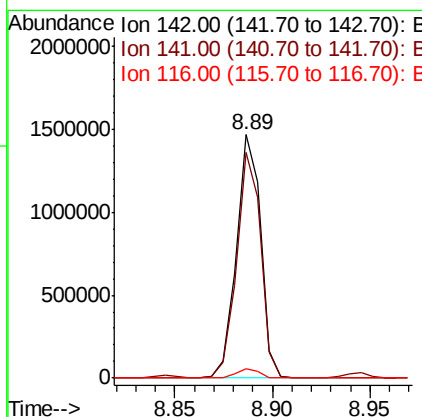
Manual Integrations
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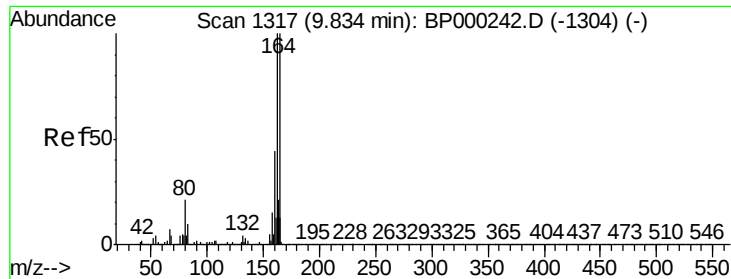
mohammad
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#38
1-Methylnaphthalene
Concen: 51.103 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.9	110.9
116	3.9	3.0	4.6





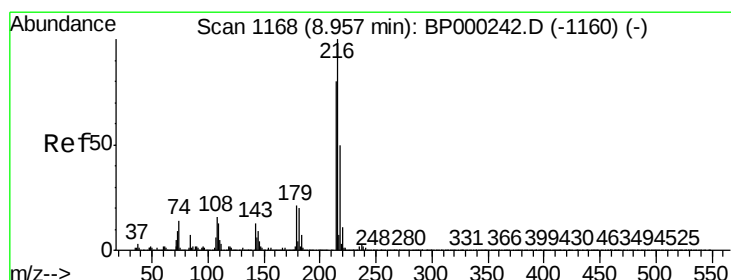
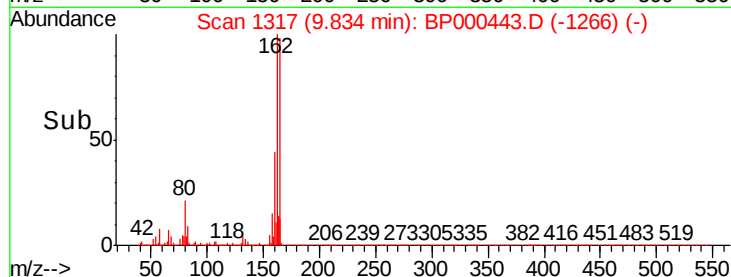
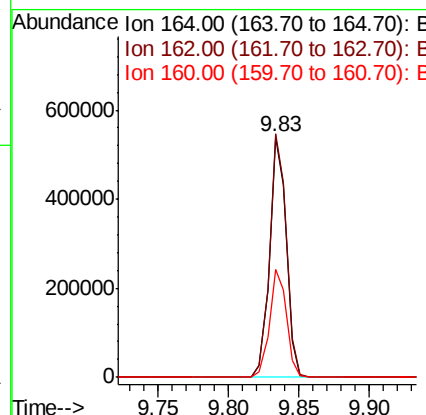
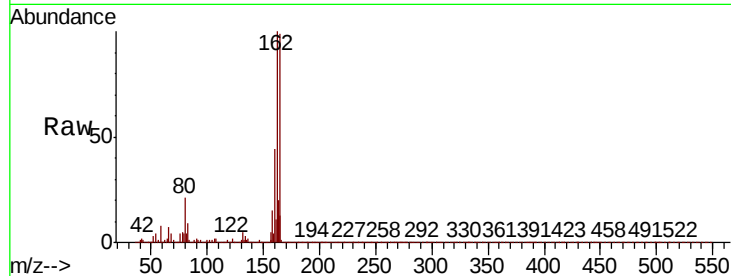
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	79.9	119.9
160	45.0	35.6	53.4

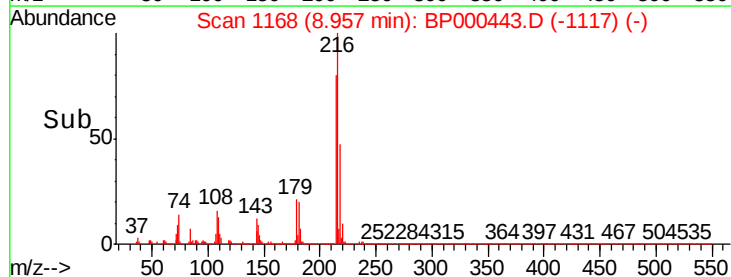
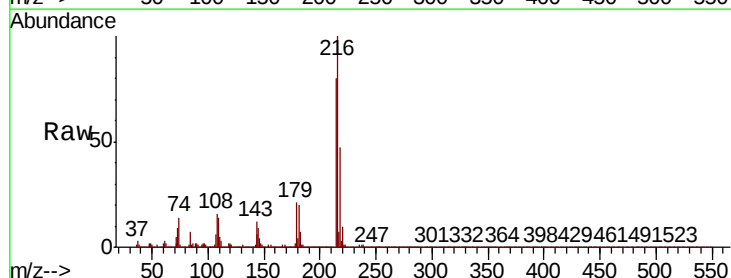
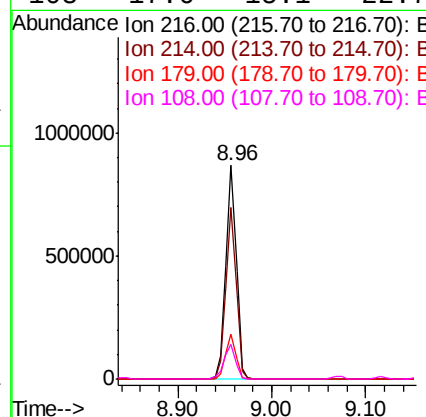
Manual Integrations
APPROVED

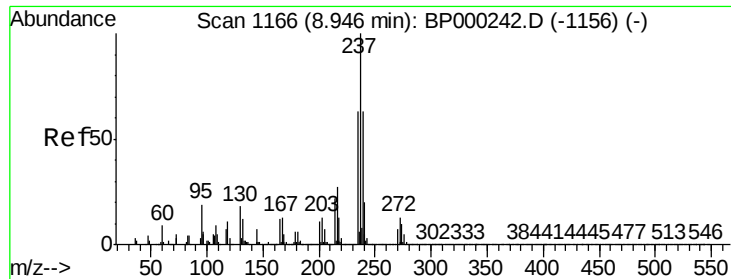
mohammad
9/27/2019 1:47:33 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.067 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.6	95.4
179	20.8	17.0	25.4
108	17.6	15.1	22.7





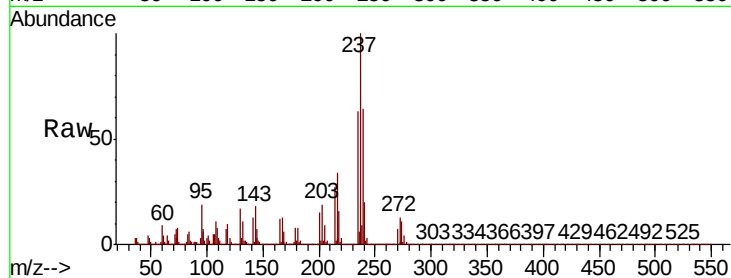
#41
Hexachlorocyclopentadiene
Concen: 28.590 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.5	83.5
272	12.7	0.0	33.0

Manual Integrations
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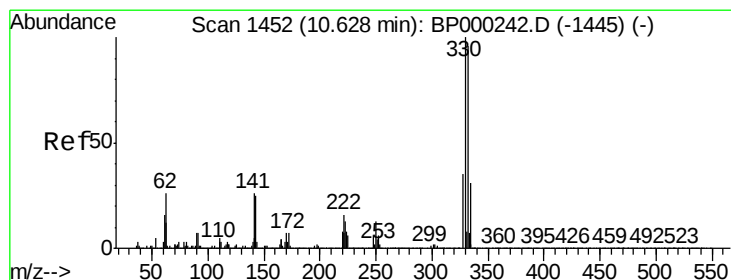
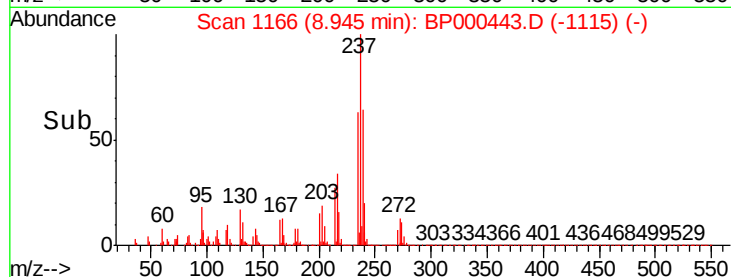
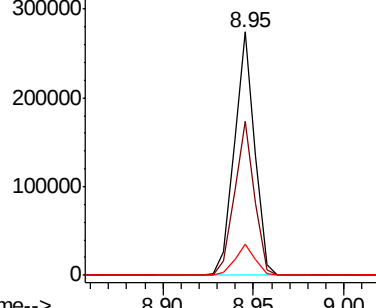


Abundance

Ion 236.80 (236.50 to 237.50): E

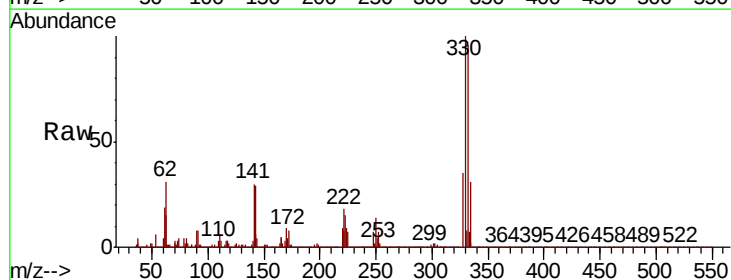
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42
2,4,6-Tribromophenol
Concen: 151.216 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	115.0
141	32.3	26.5	39.7

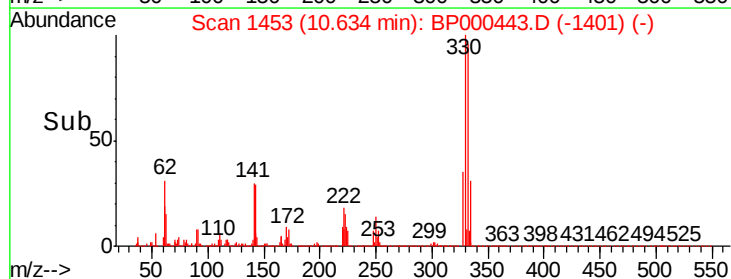
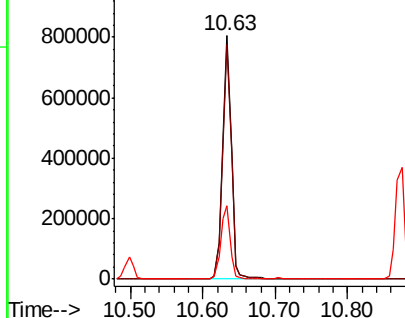


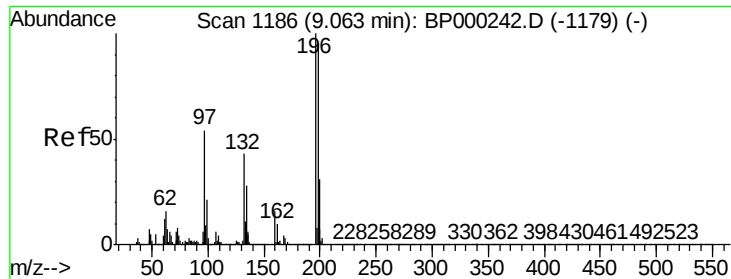
Abundance

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





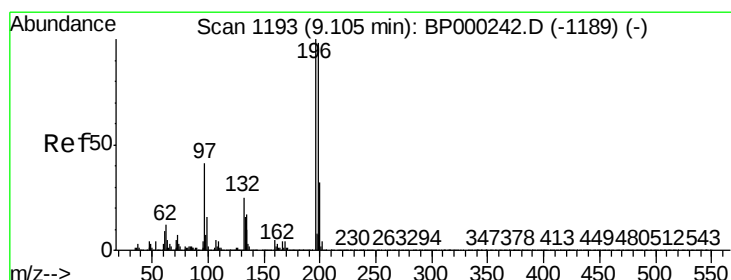
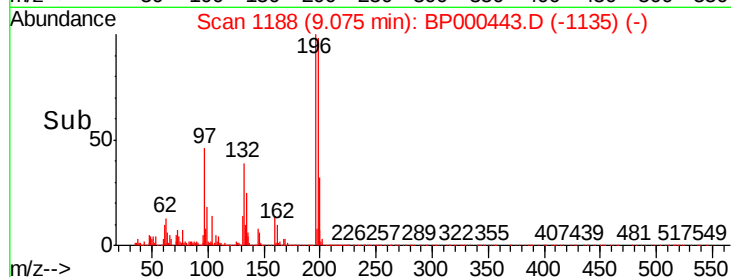
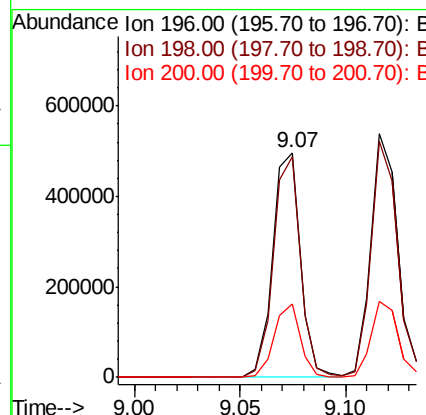
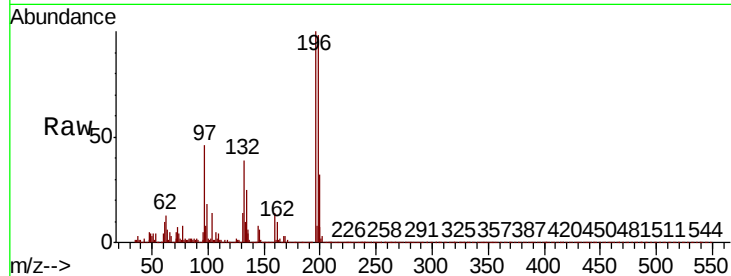
#43
 2,4,6-Trichlorophenol
 Concen: 50.901 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: BP000443.D
 Acq: 27 Sep 2019 02:38

Instrument :
 BNA_P
 ClientSampleId :
 BU-02-092419MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	456520		
198	98.3	76.0	114.0	
200	32.4	24.6	37.0	

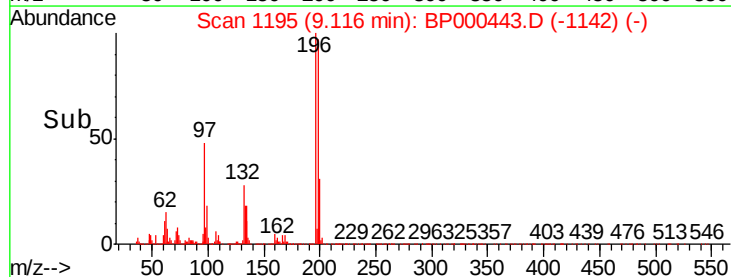
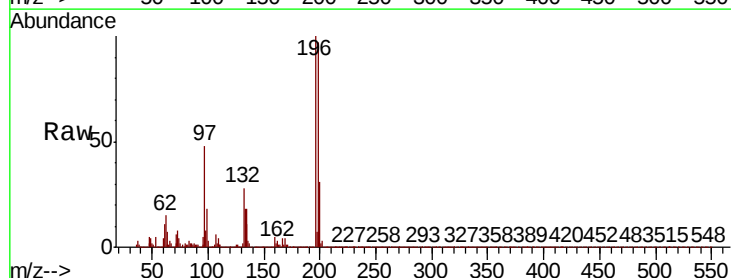
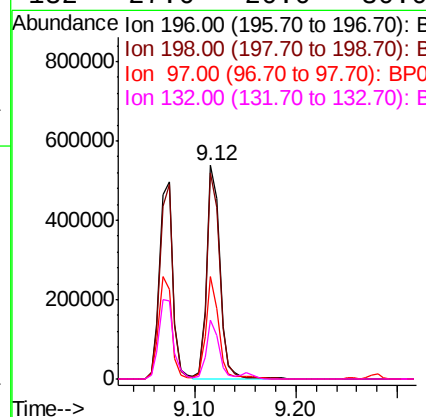
Manual Integrations
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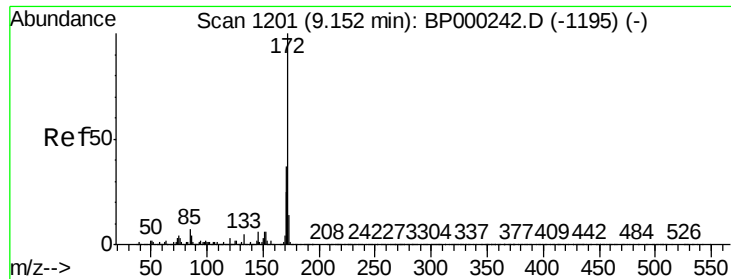
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 53.368 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: BP000443.D
 Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	490120		
198	96.7	78.1	117.1	
97	47.7	33.3	49.9	
132	27.6	20.0	30.0	





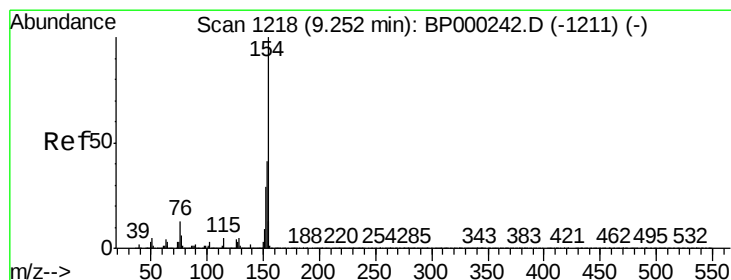
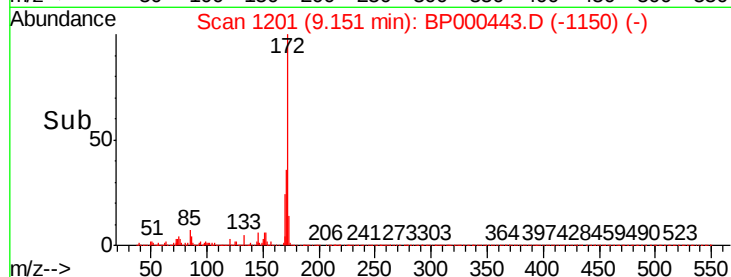
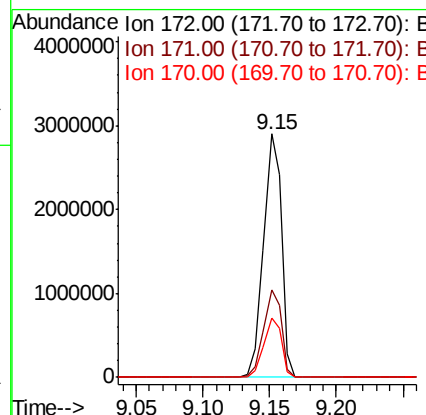
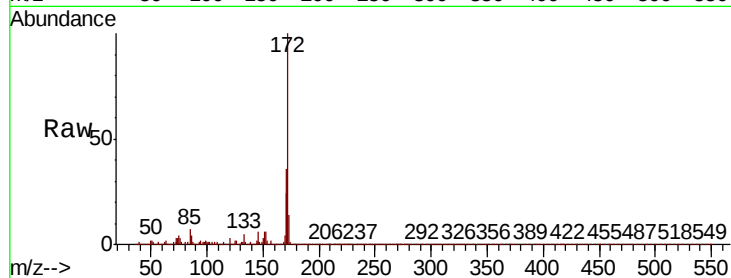
#45
2-Fluorobiphenyl
Concen: 105.561 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.8	44.6
170	24.4	19.8	29.6

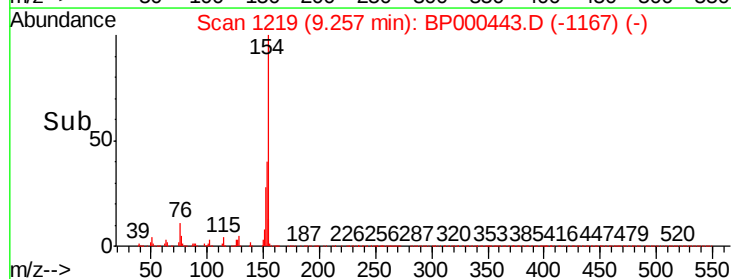
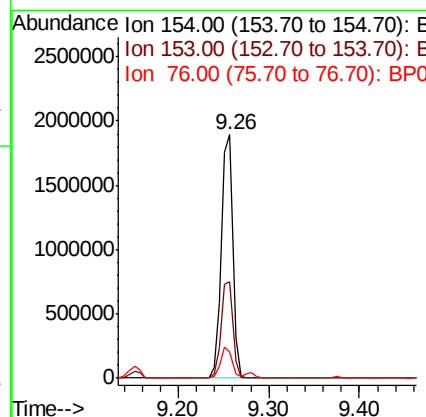
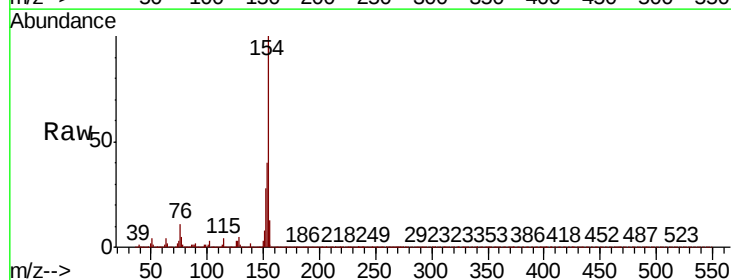
Manual Integrations
APPROVED

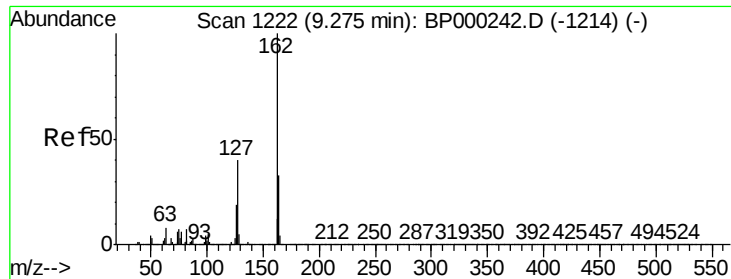
mohammad
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#46
1,1'-Biphenyl
Concen: 52.430 ng
RT: 9.26 min Scan# 1219
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.4	61.4
76	10.9	0.0	33.4





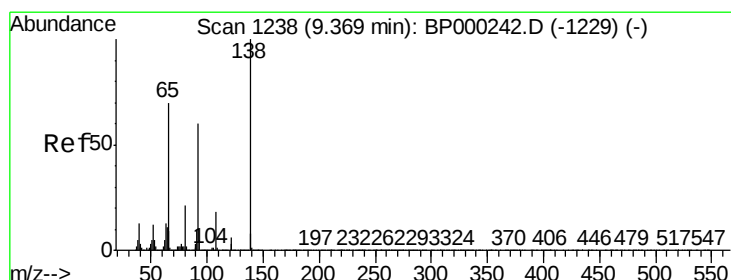
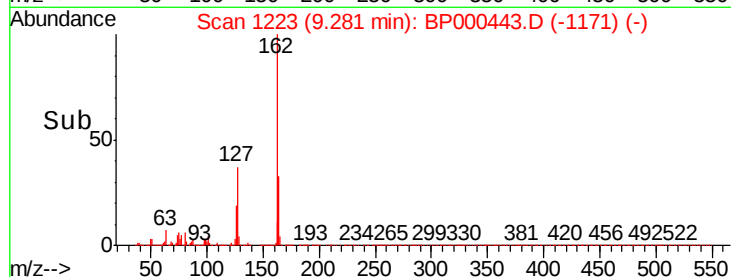
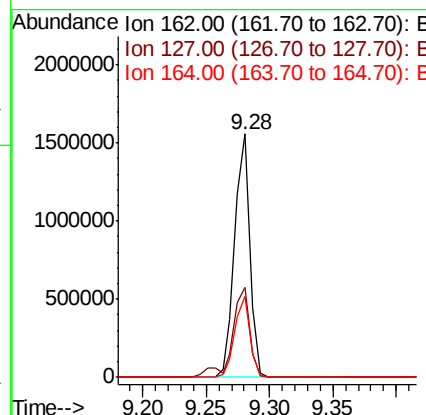
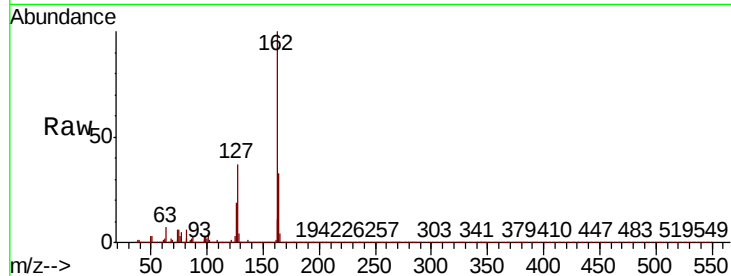
#47
2-Chloronaphthalene
Concen: 48.727 ng
RT: 9.28 min Scan# 1223
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	37.2	32.4	48.6
164	33.3	26.3	39.5

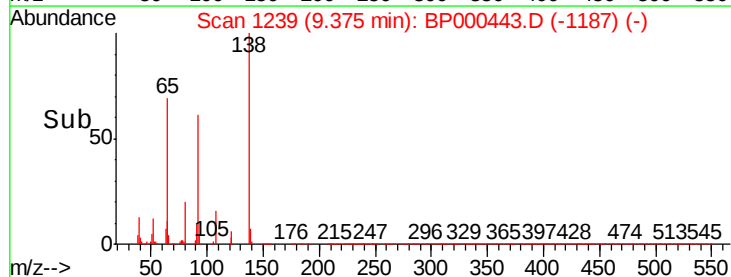
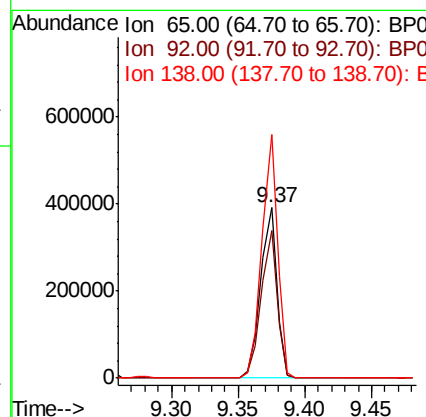
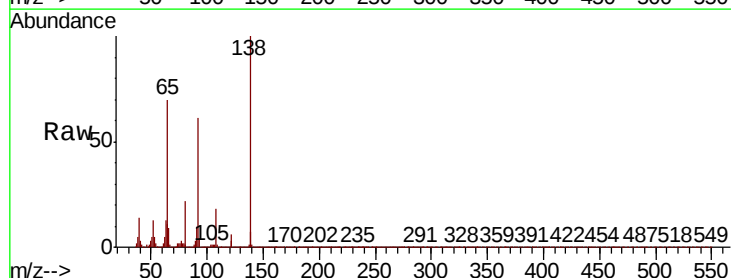
Manual Integrations
APPROVED

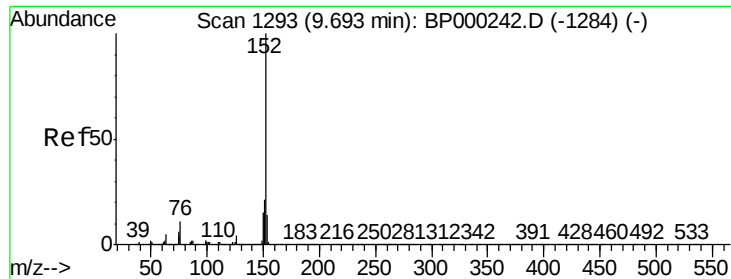
mohammad
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#48
2-Nitroaniline
Concen: 48.741 ng
RT: 9.37 min Scan# 1239
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
65	100		
92	86.5	68.7	103.1
138	142.7	114.4	171.6





#49

Acenaphthylene

Concen: 51.867 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

Instrument :

BNA_P

ClientSampleId :

BU-02-092419MSD

Tot Ion:152 Resp: 2051044

Ion Ratio Lower Upper

152 100

151 20.6 16.4 24.6

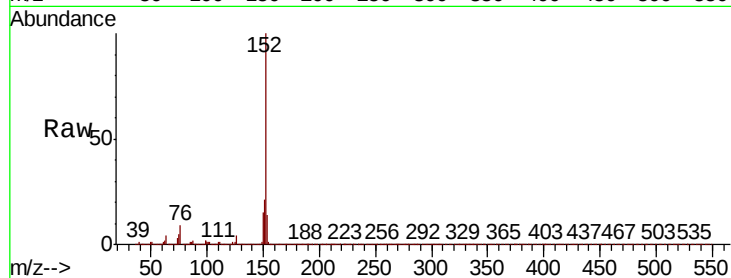
153 13.5 11.0 16.4

Manual Integrations

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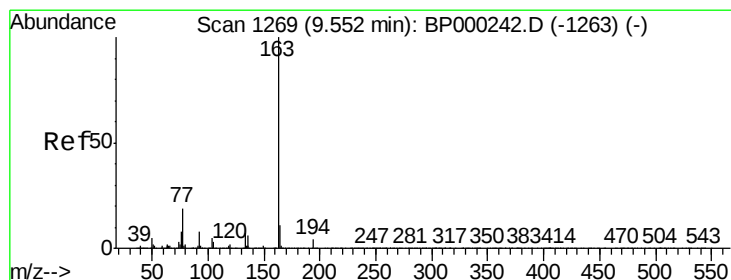
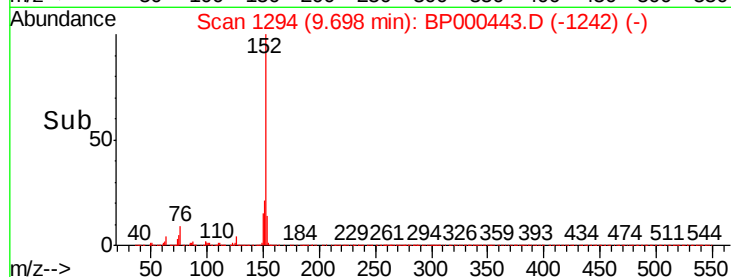
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

9.70

Time-->



#50

Dimethylphthalate

Concen: 59.627 ng

RT: 9.56 min Scan# 1270

Delta R.T. 0.01 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

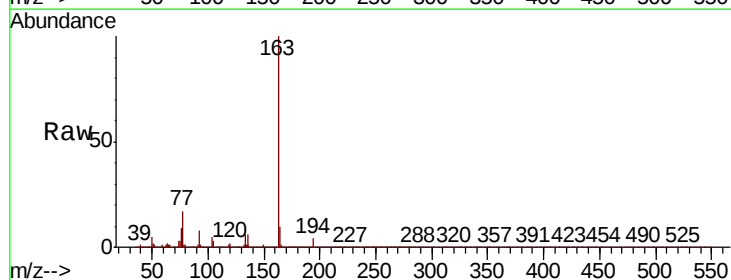
Tgt Ion:163 Resp: 1841657

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.0

164 10.4 8.5 12.7



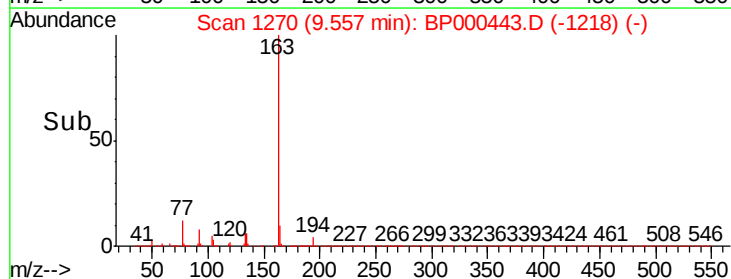
Abundance Ion 163.00 (162.70 to 163.70): E

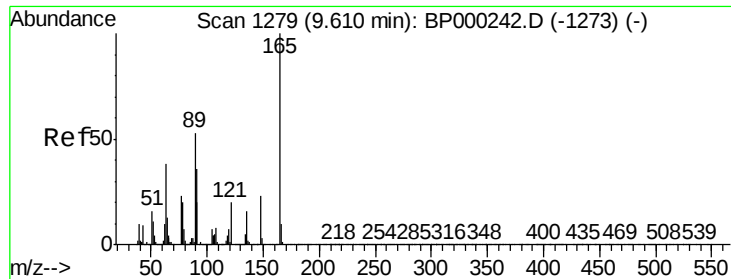
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

9.56

Time-->





#51

2,6-Dinitrotoluene

Concen: 51.555 ng

RT: 9.62 min Scan# 1280

Delta R.T. 0.01 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

Instrument :

BNA_P

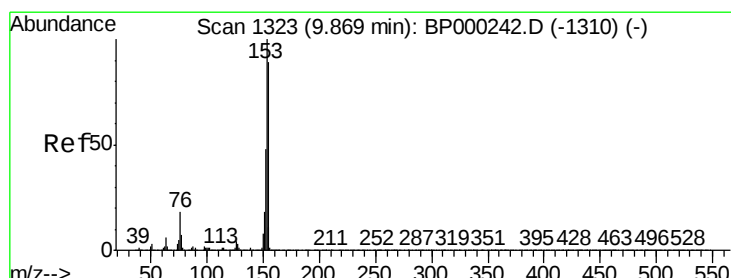
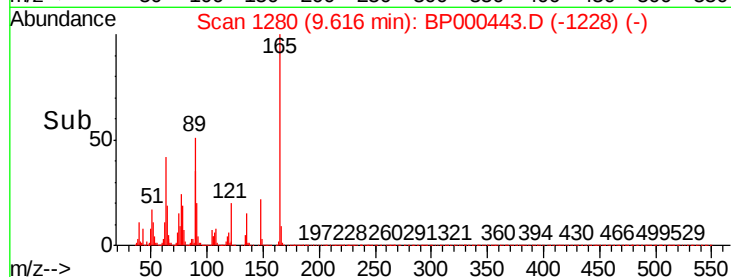
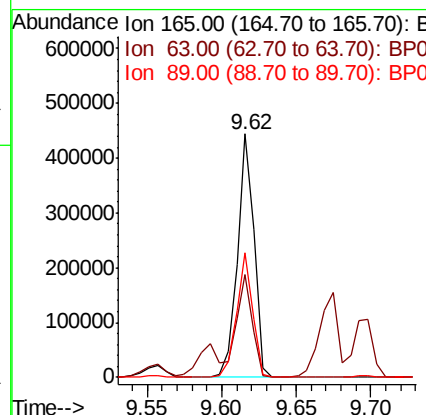
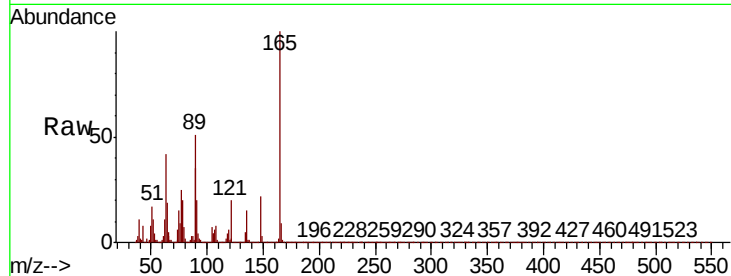
ClientSampleId :

BU-02-092419MSD

Tot Ion:	165	Resp:	350116
Ion Ratio	Lower	Upper	
165	100		
63	42.3	35.8	53.8
89	51.2	42.6	63.8

Manual Integrations
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#52

Acenaphthene

Concen: 47.629 ng

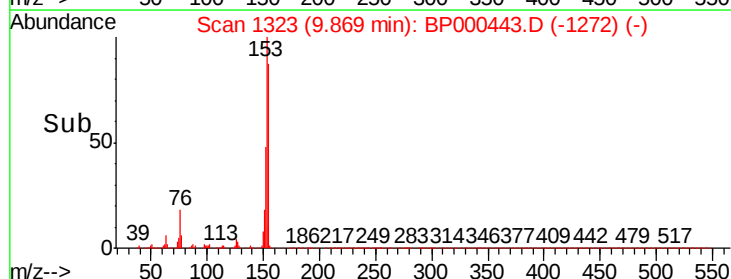
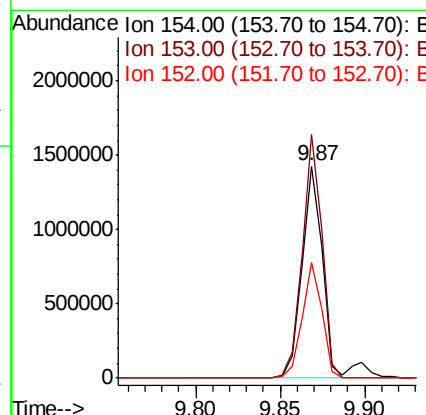
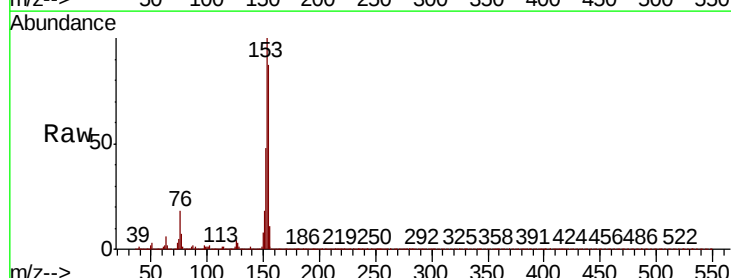
RT: 9.87 min Scan# 1323

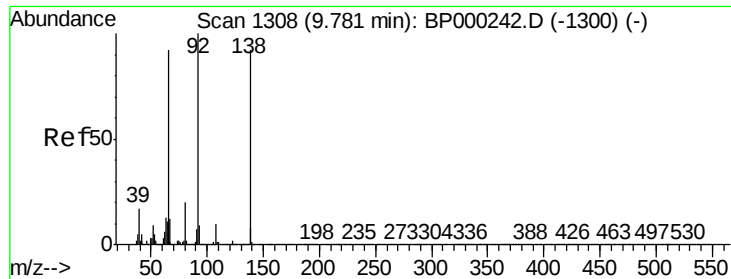
Delta R.T. -0.00 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

Tgt Ion:	154	Resp:	1188560
Ion Ratio	Lower	Upper	
154	100		
153	114.7	89.8	134.6
152	54.6	43.4	65.0





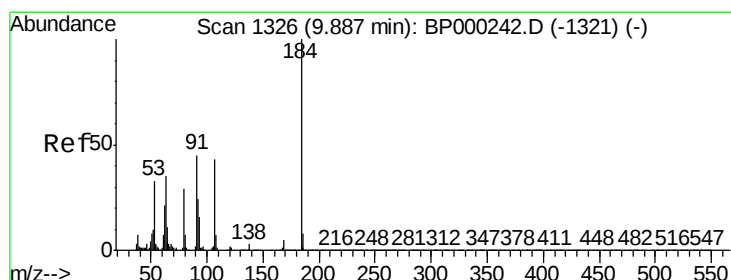
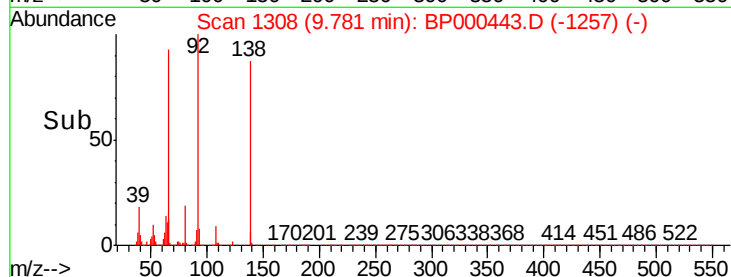
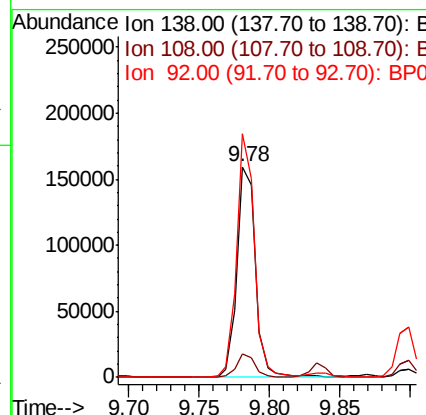
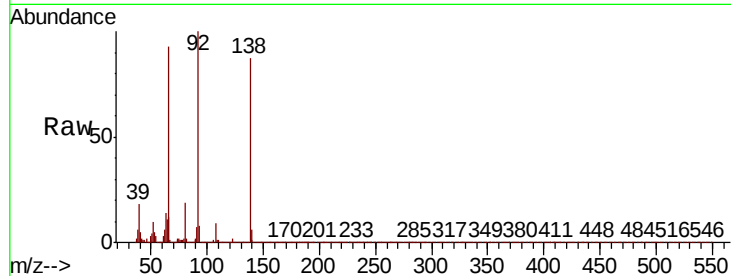
#53
3-Nitroaniline
Concen: 18.516 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.1	13.7
92	115.5	86.7	130.1

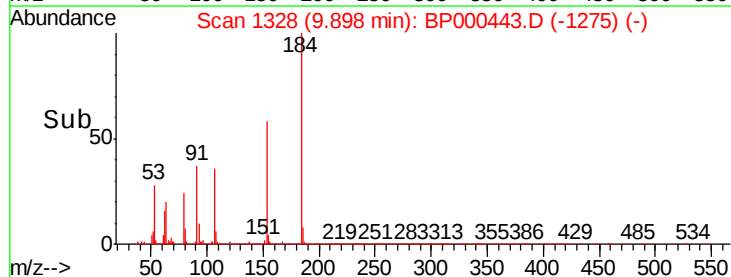
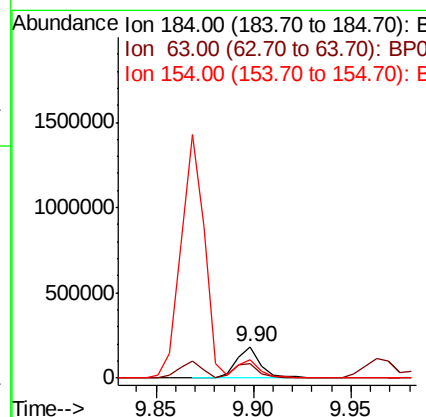
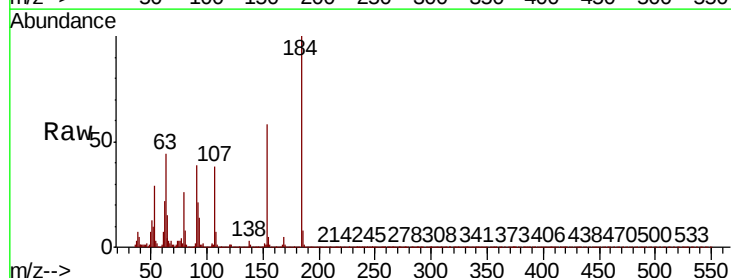
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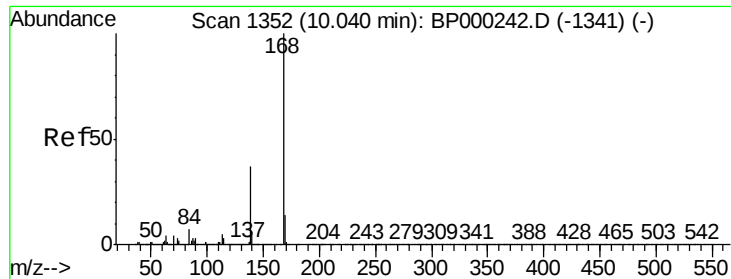
mohammad
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#54
2,4-Dinitrophenol
Concen: 54.042 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
184	100		
63	44.4	39.5	59.3
154	58.2	48.8	73.2





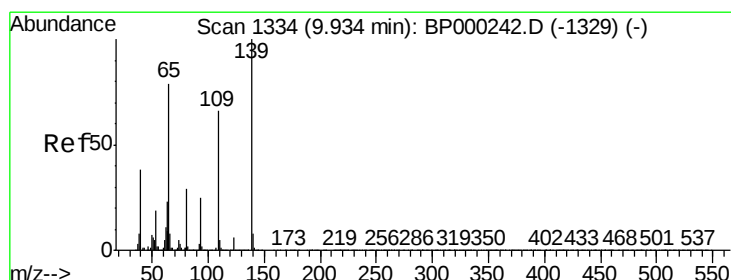
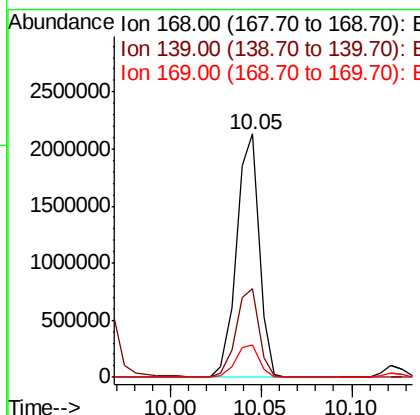
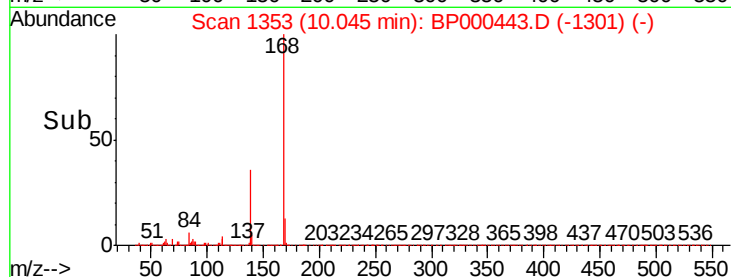
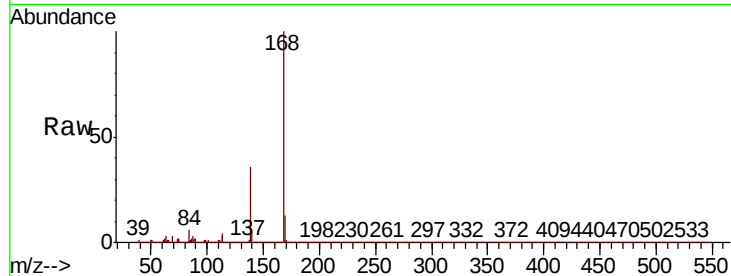
#55
Dibenzofuran
Concen: 52.548 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	30.0	45.0
169	13.2	11.0	16.6

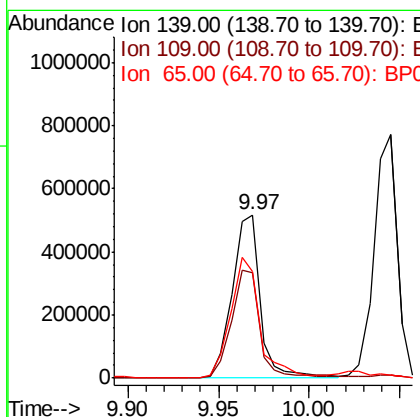
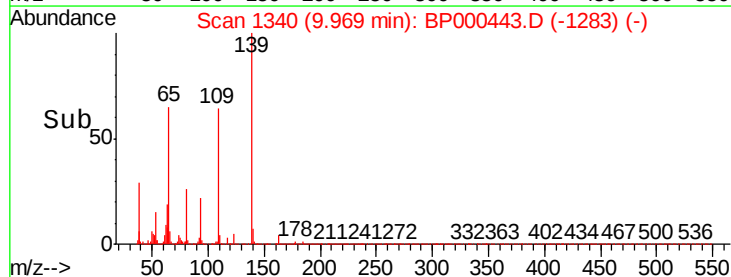
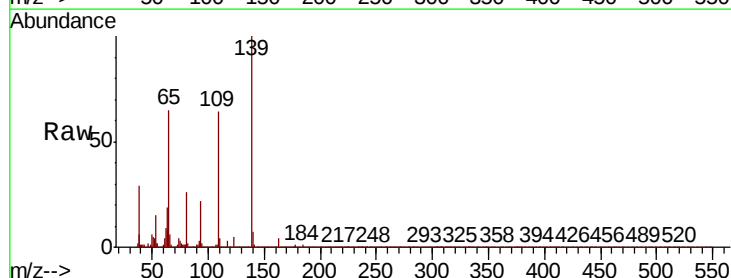
Manual Integrations
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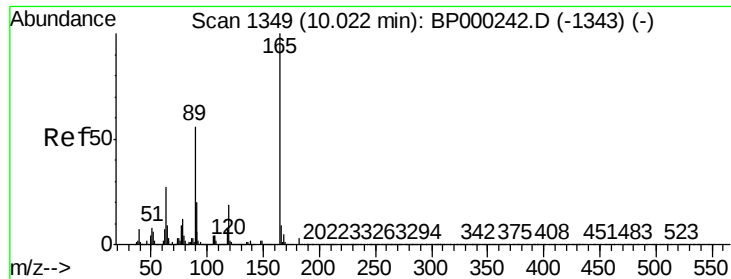
mohammad
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#56
4-Nitrophenol
Concen: 95.381 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.03 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
139	100		
109	64.1	46.2	86.2
65	65.0	59.4	99.4





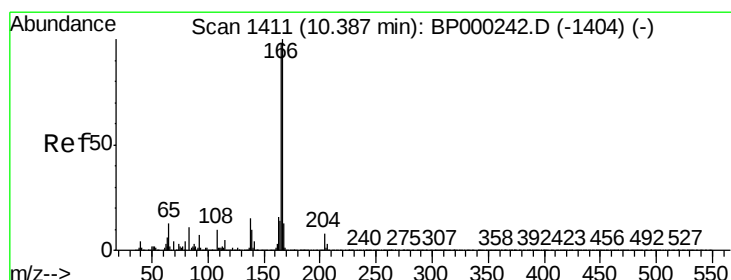
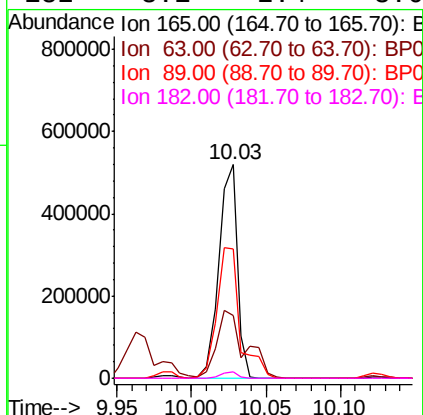
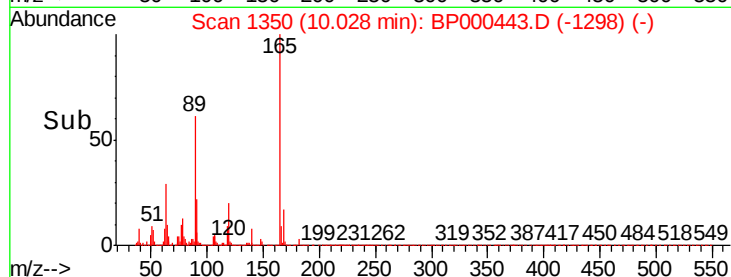
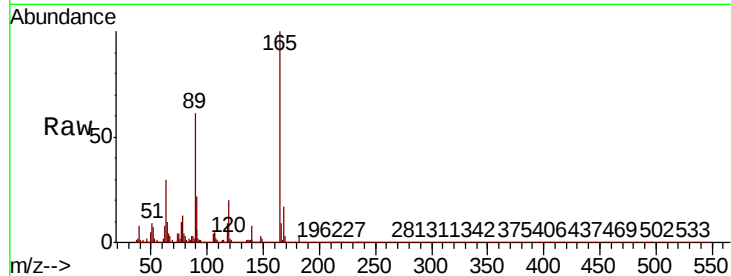
#57
2,4-Dinitrotoluene
Concen: 51.126 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	29.5	21.7	32.5
89	60.6	45.0	67.6
182	3.1	2.4	3.6

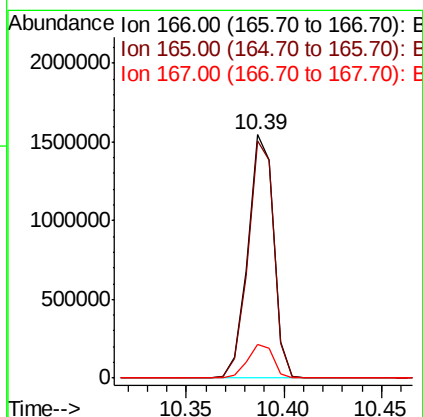
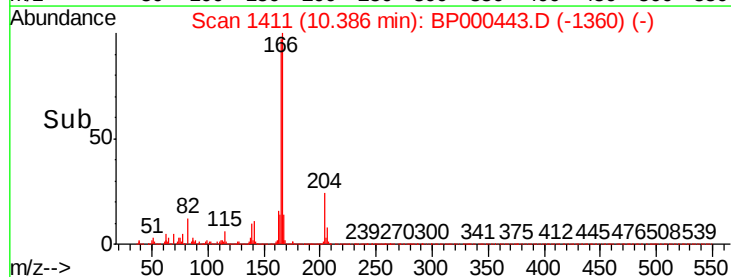
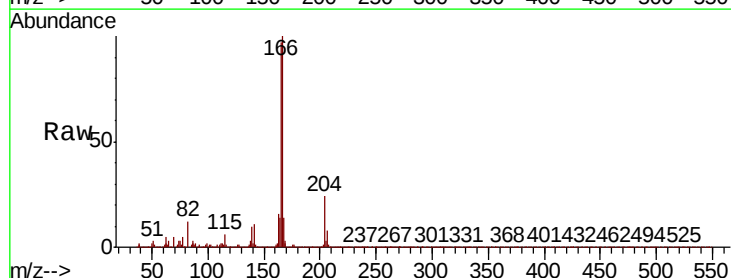
Manual Integrations
APPROVED

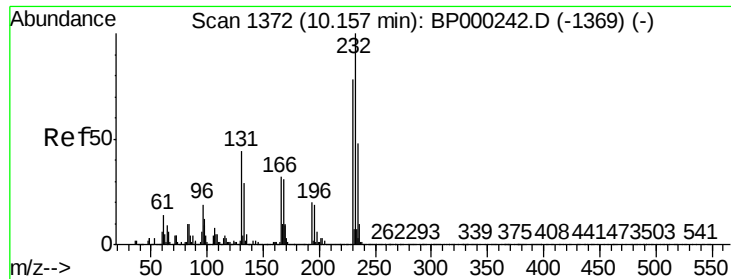
mohammad
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#58
Fluorene
Concen: 51.859 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.2	117.2
167	13.7	10.7	16.1





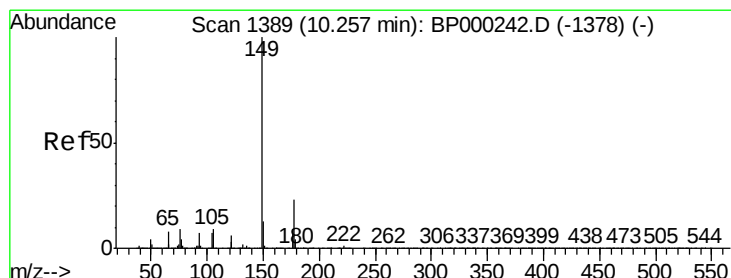
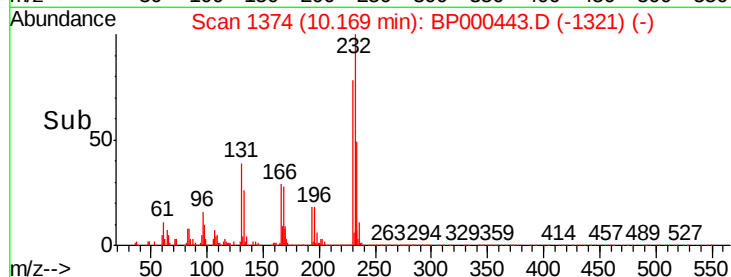
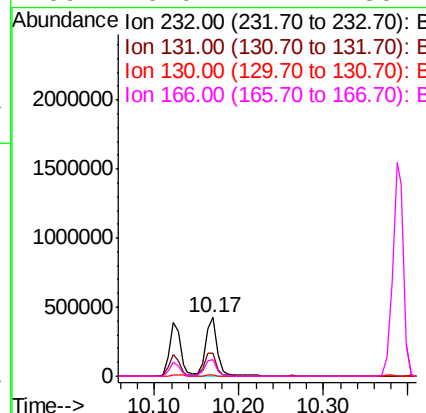
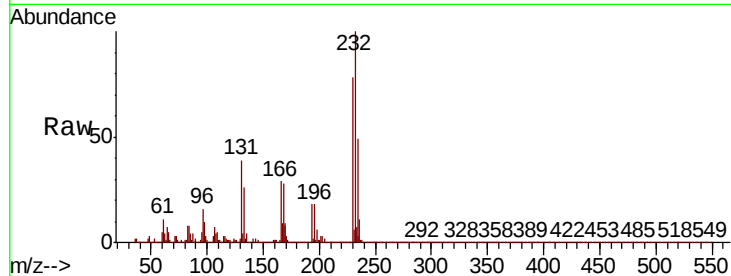
#59
2,3,4,6-Tetrachlorophenol
Concen: 53.872 ng
RT: 10.17 min Scan# 1374
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		407102		
131	40.6	33.6	50.4		
130	2.2	1.8	2.6		
166	29.0	24.2	36.2		

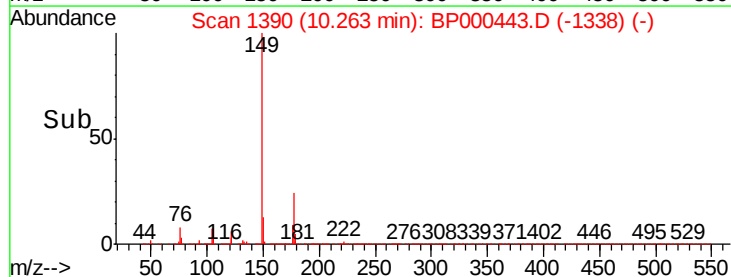
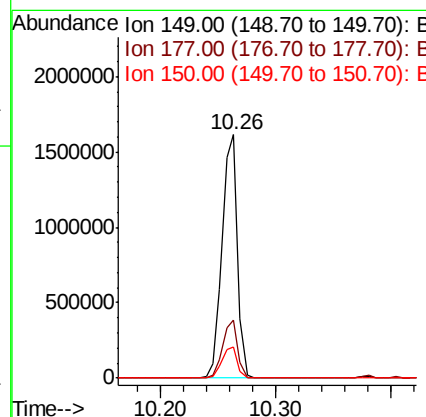
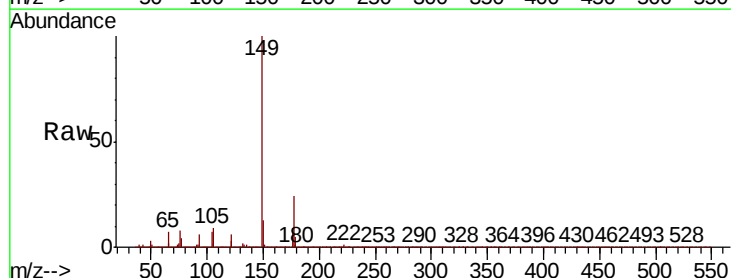
Manual Integrations
APPROVED

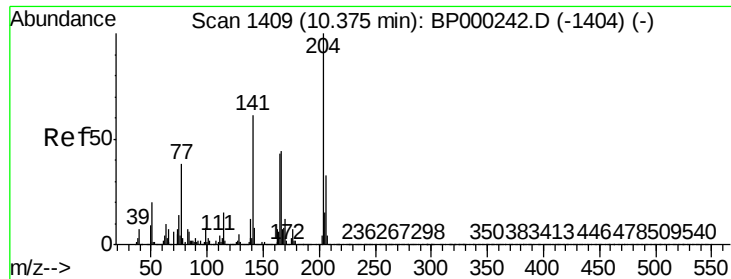
mohammad
9/27/2019 1:47:33 PM



#60
Diethylphthalate
Concen: 49.689 ng
RT: 10.26 min Scan# 1390
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		1476339		
177	24.1	18.1	27.1		
150	12.6	10.3	15.5		





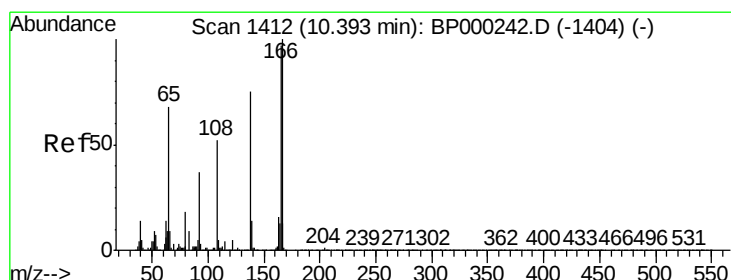
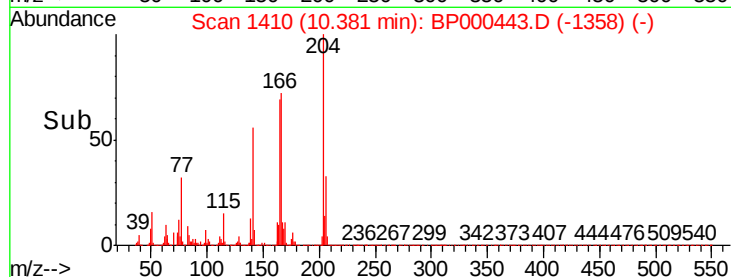
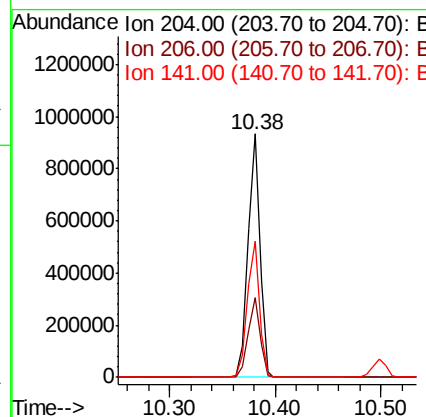
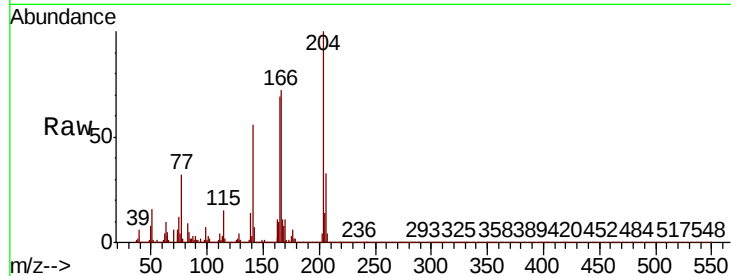
#61
4-Chlorophenyl-phenylether
Concen: 51.089 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.3	39.5
141	56.0	48.6	72.8

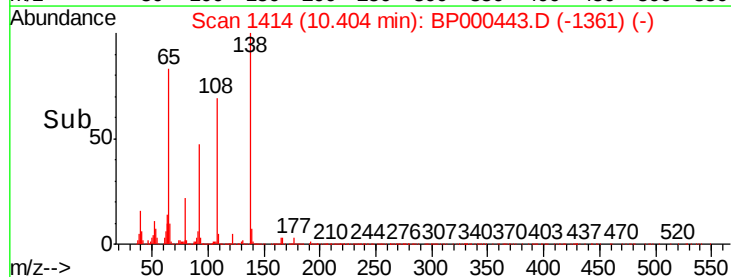
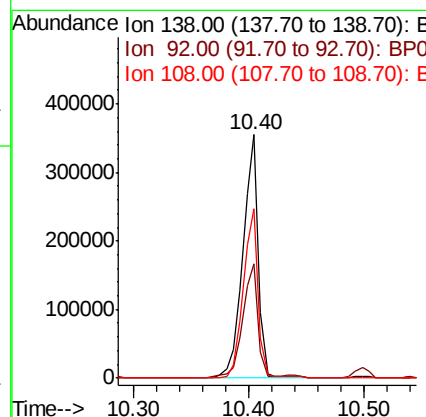
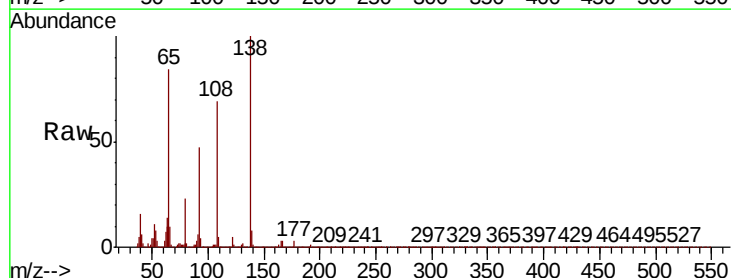
Manual Integrations
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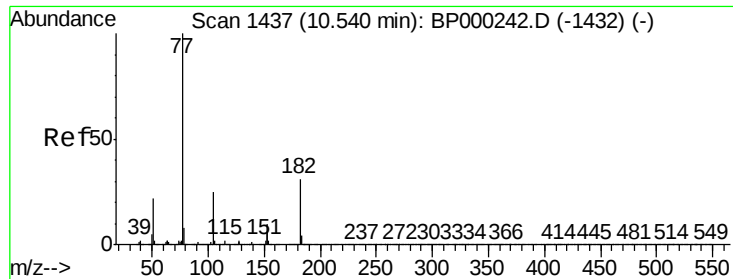
mohammad
9/27/2019 1:47:33 PM



#62
4-Nitroaniline
Concen: 42.167 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.7	30.1	70.1
108	69.3	49.5	89.5





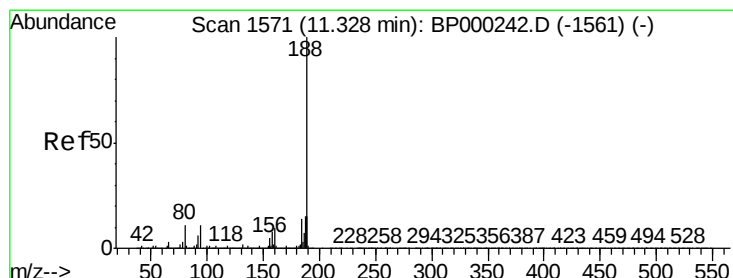
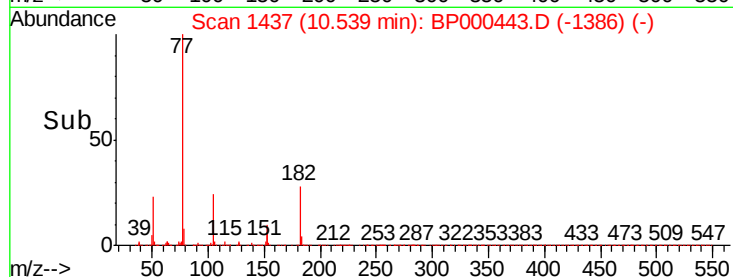
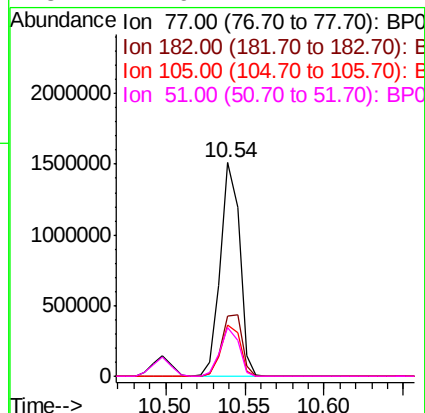
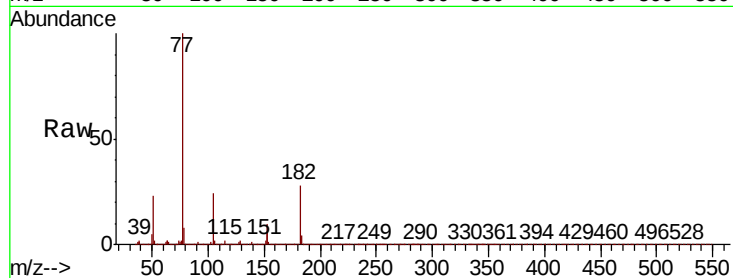
#63
Azobenzene
Concen: 50.486 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion:	77	Resp:	1270829
Ion	Ratio	Lower	Upper
77	100		
182	28.2	11.1	51.1
105	23.8	4.7	44.7
51	22.9	2.2	42.2

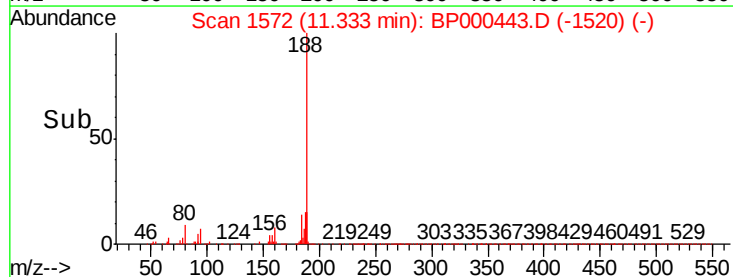
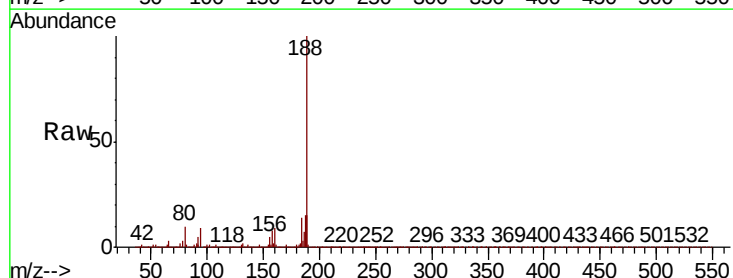
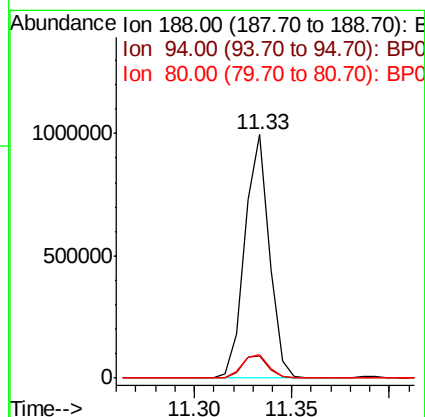
Manual Integrations
APPROVED

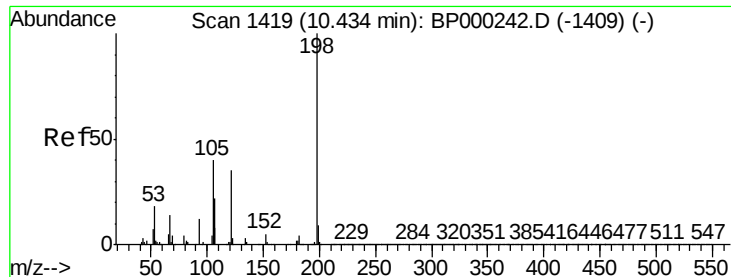
mohammad
9/27/2019 1:47:33 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion:	188	Resp:	863411
Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	9.6	8.6	13.0





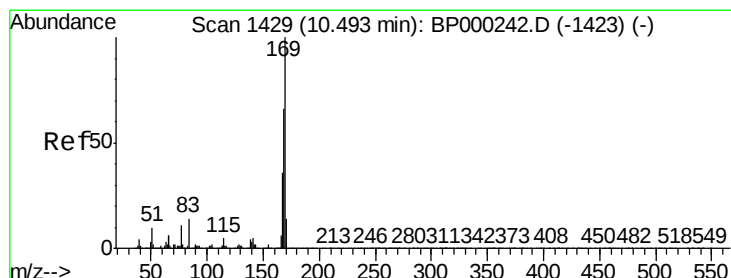
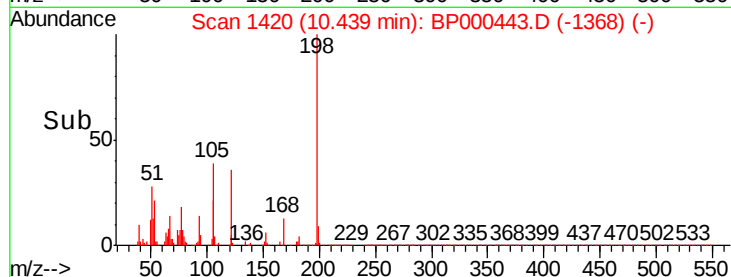
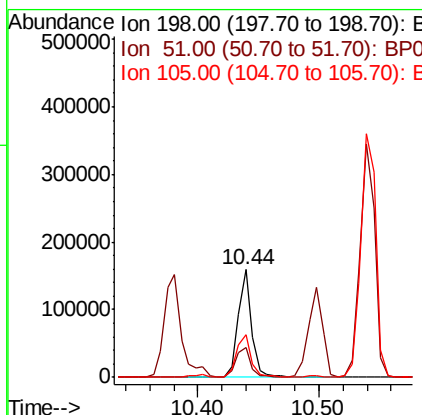
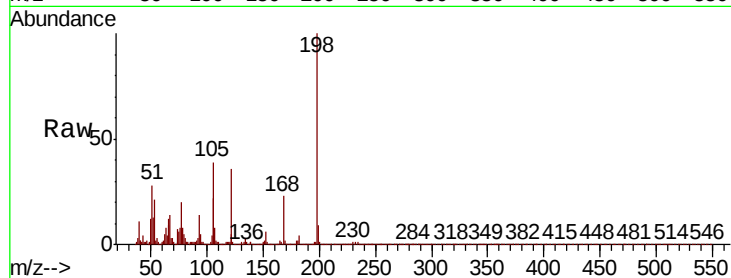
#65
4,6-Dinitro-2-methylphenol
Concen: 30.771 ng
RT: 10.44 min Scan# 1420
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	124923		
51	28.2		7.4	47.4
105	39.2		20.2	60.2

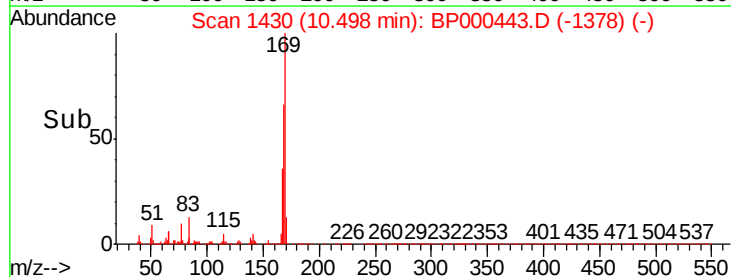
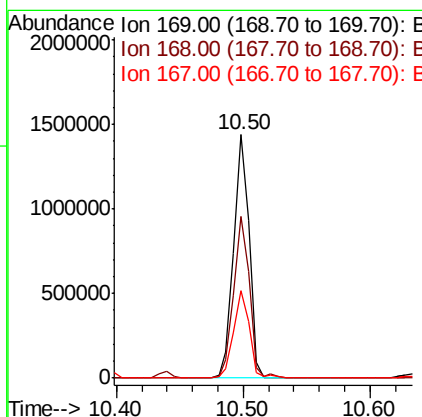
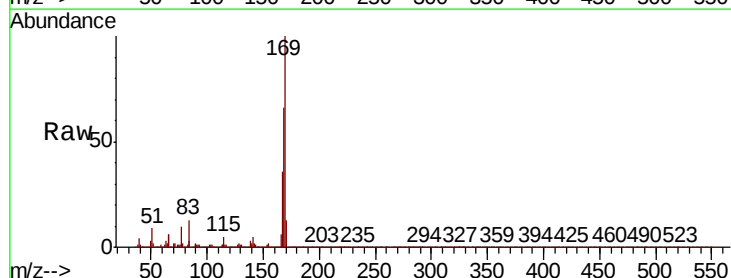
Manual Integrations
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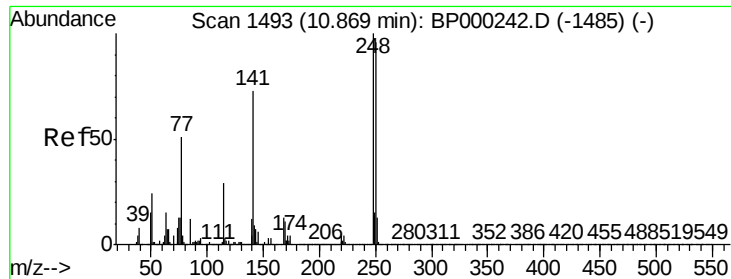
mohammad
9/27/2019 1:47:33 PM



#66
n-Nitrosodiphenylamine
Concen: 46.113 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1198549		
168	66.4		52.9	79.3
167	36.0		29.0	43.6





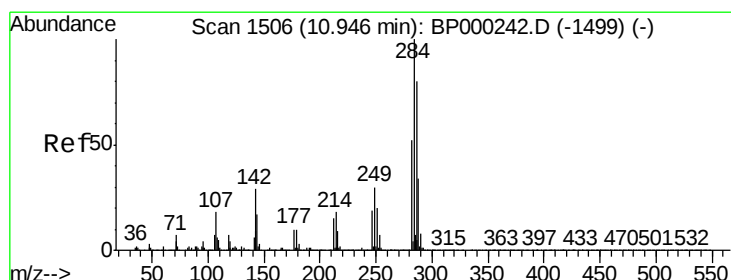
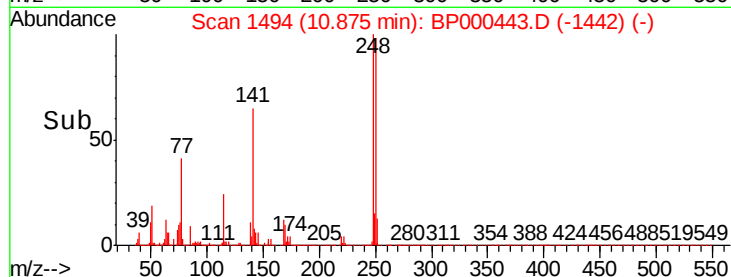
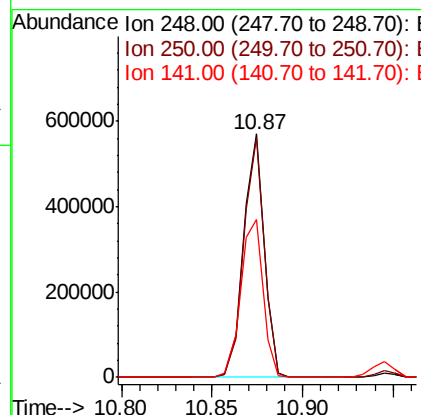
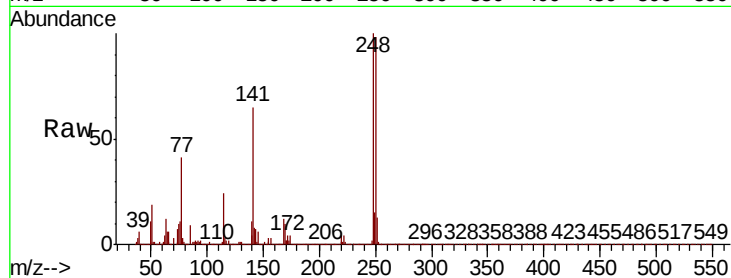
#67
 4-Bromophenyl-phenylether
 Concen: 46.362 ng
 RT: 10.87 min Scan# 1494
 Delta R.T. 0.01 min
 Lab File: BP000443.D
 Acq: 27 Sep 2019 02:38

Instrument :
 BNA_P
 ClientSampleId :
 BU-02-092419MSD

Tot Ion:	248	Resp:	452661
Ion Ratio	Lower	Upper	
248	100		
250	98.4	77.0	115.4
141	65.1	58.5	87.7

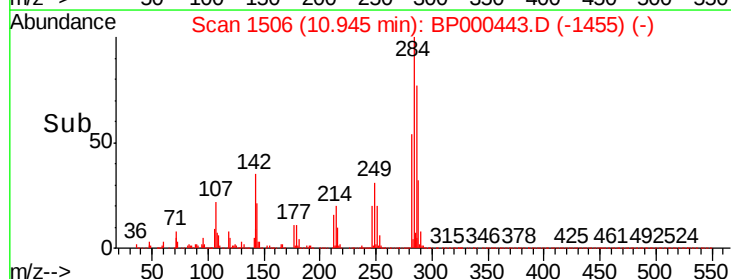
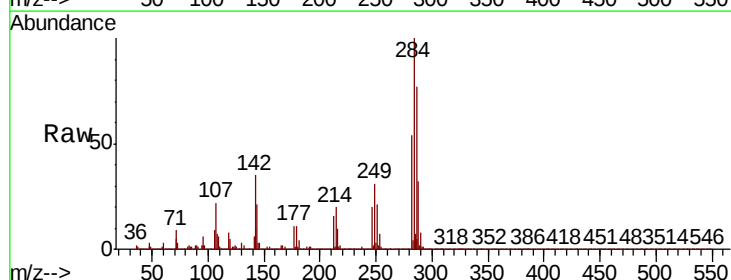
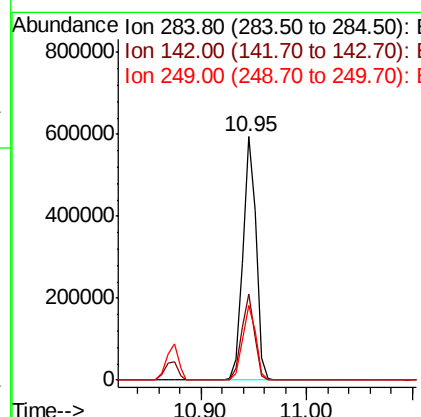
Manual Integrations
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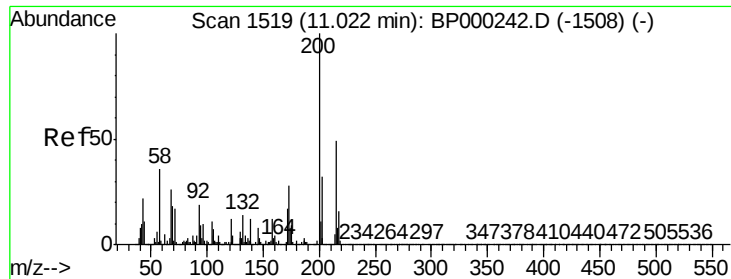
mohammad
 9/27/2019 1:47:33 PM



#68
 Hexachlorobenzene
 Concen: 46.582 ng
 RT: 10.95 min Scan# 1506
 Delta R.T. -0.00 min
 Lab File: BP000443.D
 Acq: 27 Sep 2019 02:38

Tgt Ion:	284	Resp:	497212
Ion Ratio	Lower	Upper	
284	100		
142	35.3	23.6	35.4
249	30.7	24.3	36.5





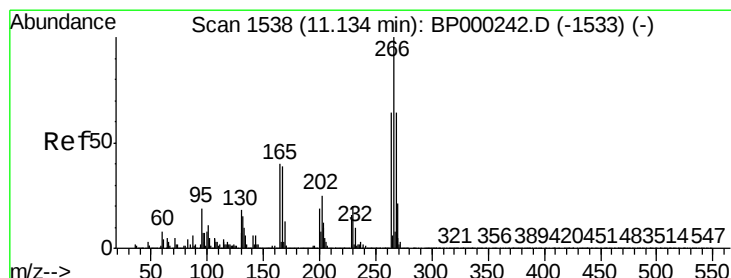
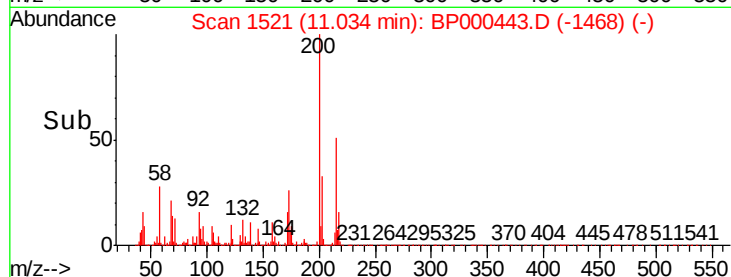
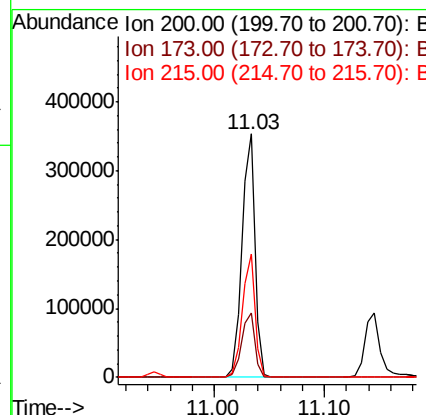
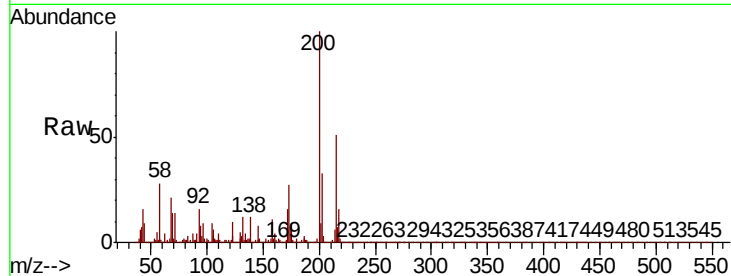
#69
Atrazine
Concen: 47.981 ng
RT: 11.03 min Scan# 1521
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.6	7.6	47.6
215	50.7	28.6	68.6

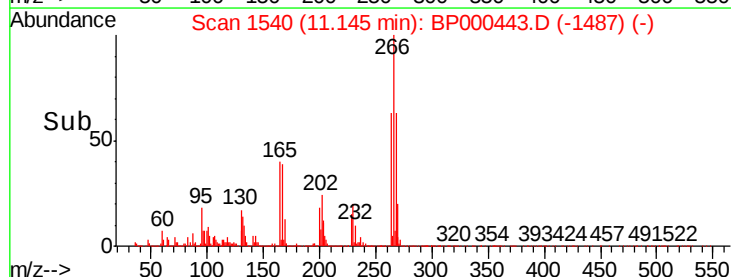
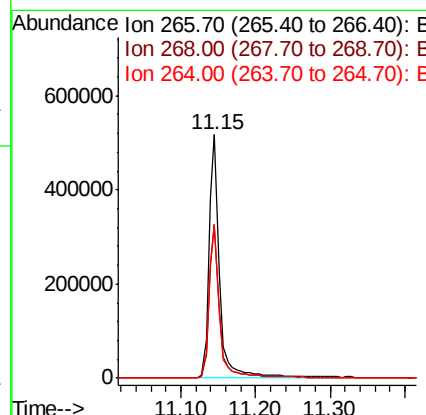
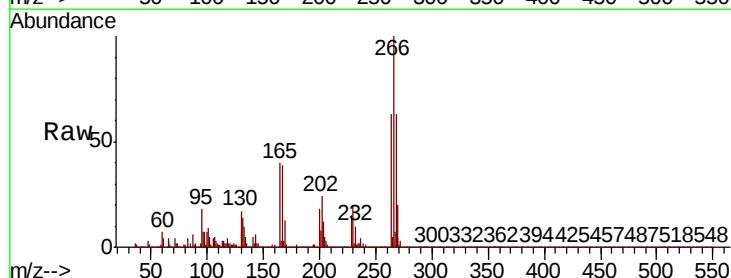
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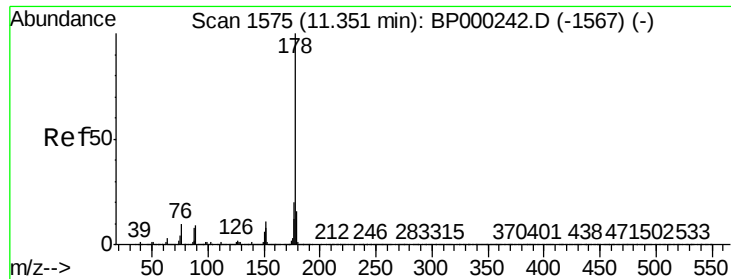
mohammad
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#70
Pentachlorophenol
Concen: 89.821 ng
RT: 11.15 min Scan# 1540
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.6	51.6	77.4
264	63.2	50.8	76.2





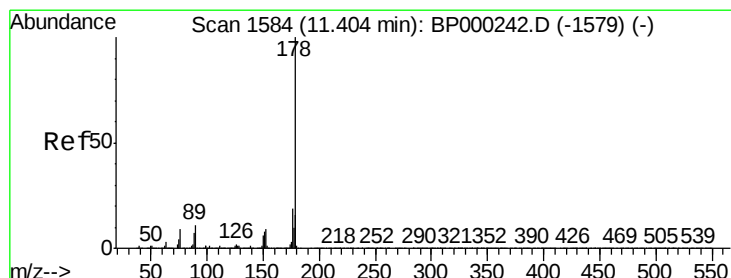
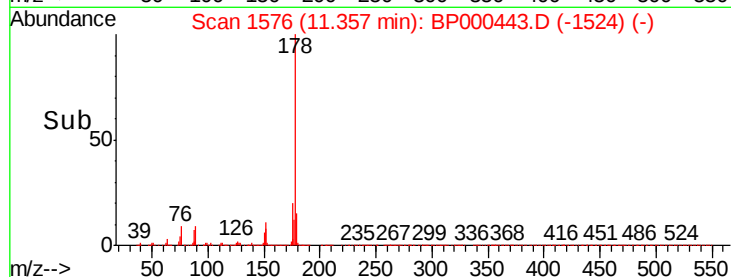
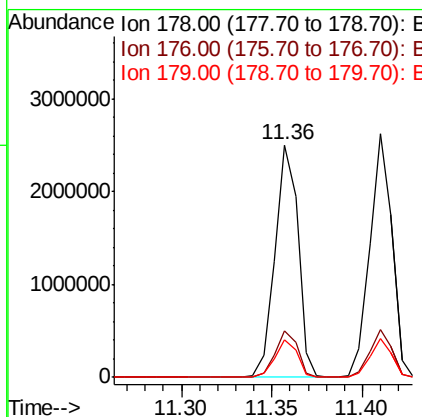
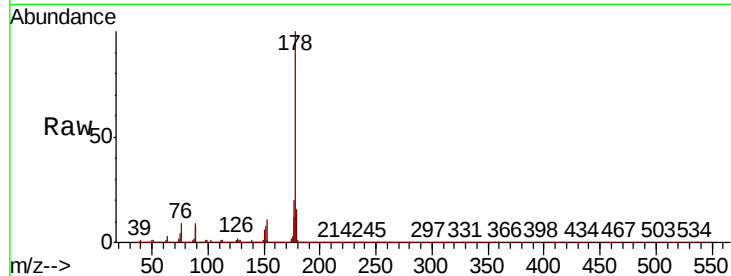
#71
Phenanthrene
Concen: 50.955 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	16.0	12.7	19.1

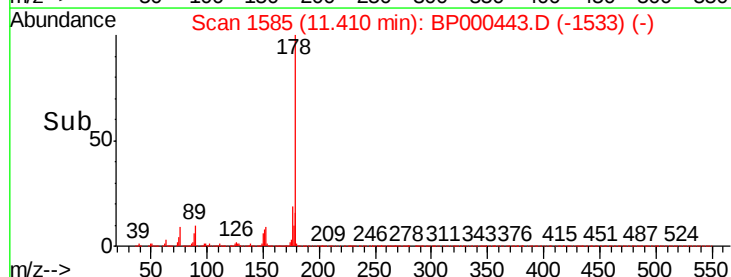
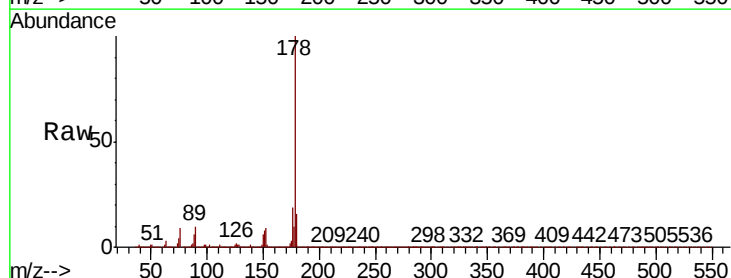
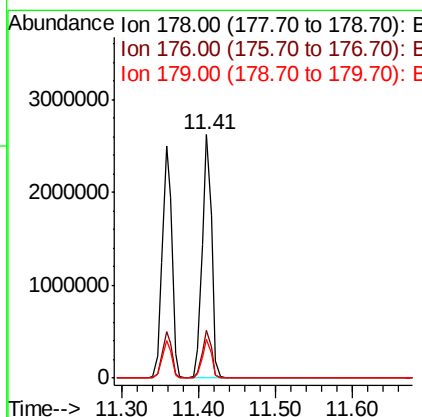
Manual Integrations
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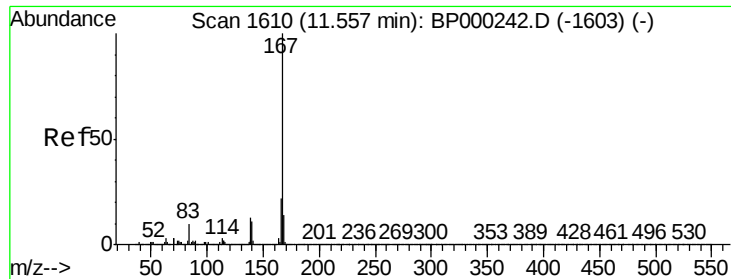
mohammad
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#72
Anthracene
Concen: 50.559 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.9	12.7	19.1





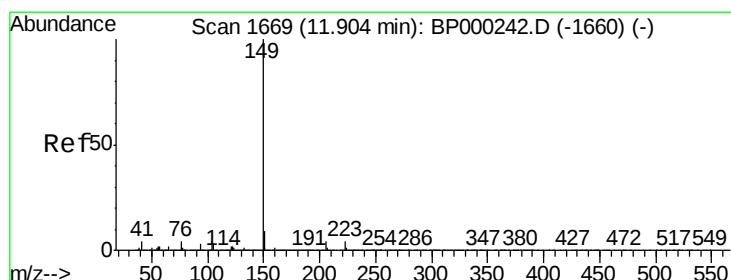
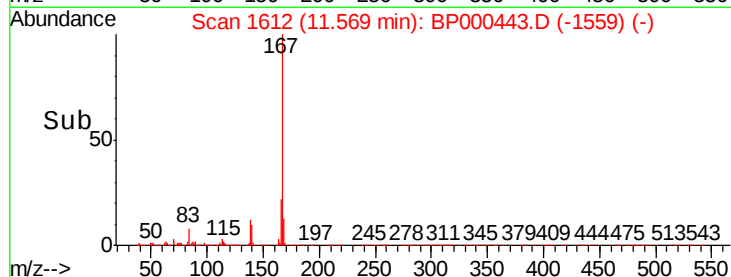
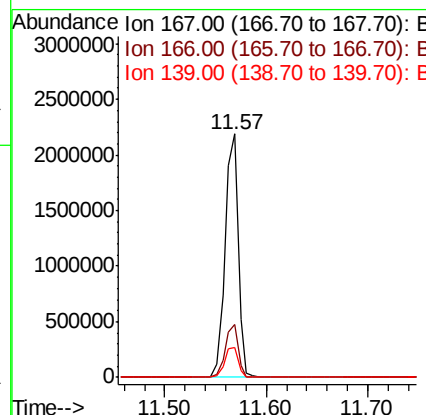
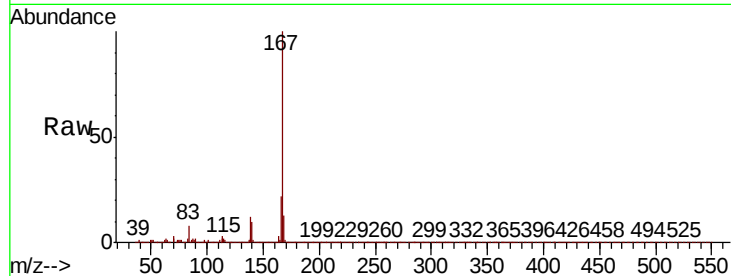
#73
 Carbazole
 Concen: 48.879 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.01 min
 Lab File: BP000443.D
 Acq: 27 Sep 2019 02:38

Instrument :
 BNA_P
 ClientSampleId :
 BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.8	26.8
139	12.4	10.8	16.2

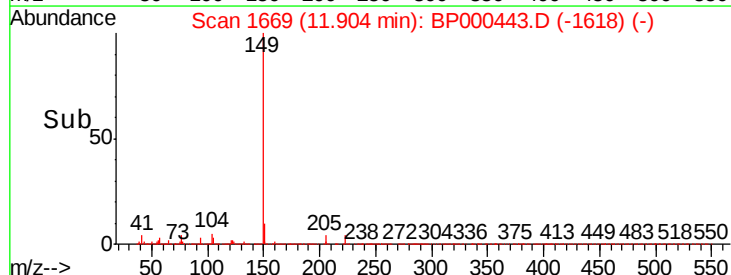
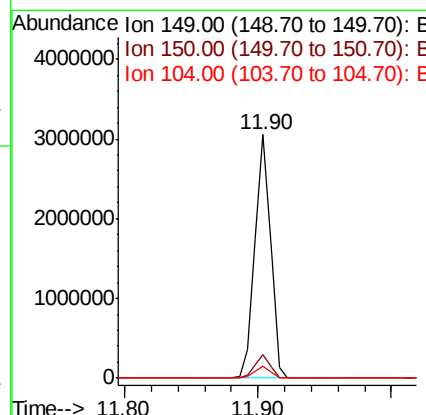
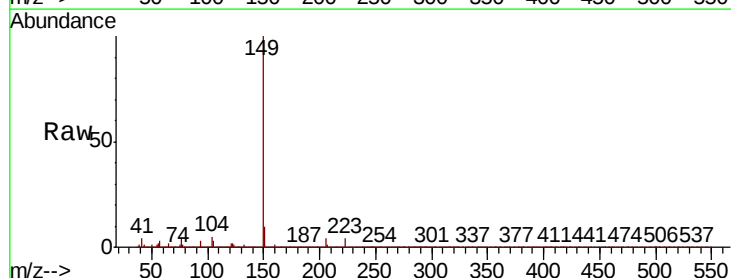
Manual Integrations
 APPROVED

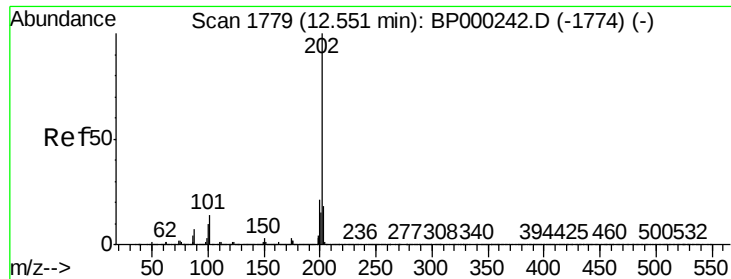
mohammad
 9/27/2019 1:47:33 PM



#74
 Di-n-butylphthalate
 Concen: 47.806 ng
 RT: 11.90 min Scan# 1669
 Delta R.T. -0.00 min
 Lab File: BP000443.D
 Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	4.8	3.5	5.3





#75

Fluoranthene

Concen: 51.682 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

Instrument :

BNA_P

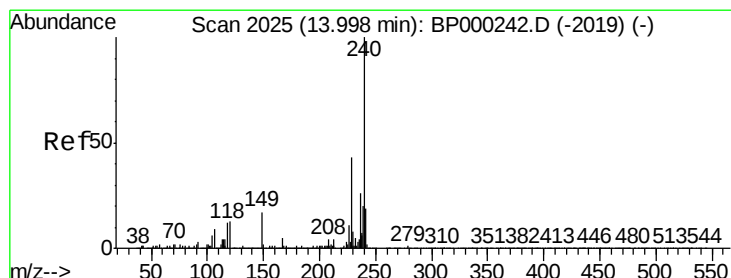
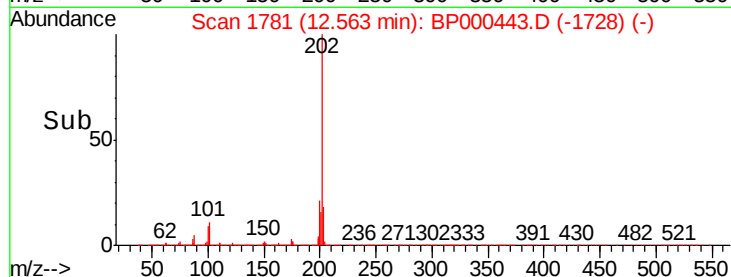
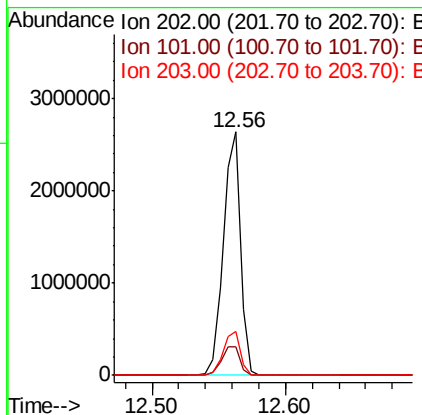
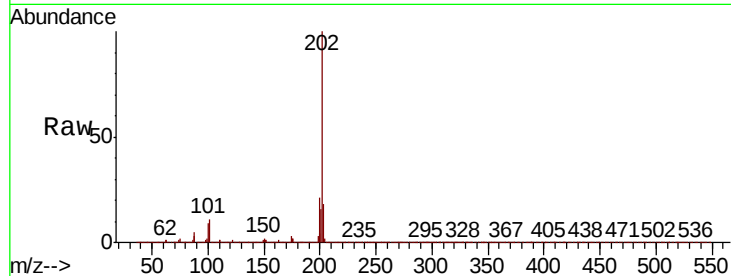
ClientSampleId :

BU-02-092419MSD

Tot Ion:	202	Resp:	2401170
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	33.9
203	18.0	0.0	38.0

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#76

Chrysene-d12

Concen: 20.000 ng

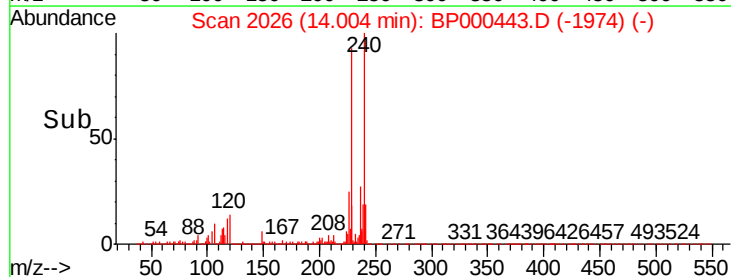
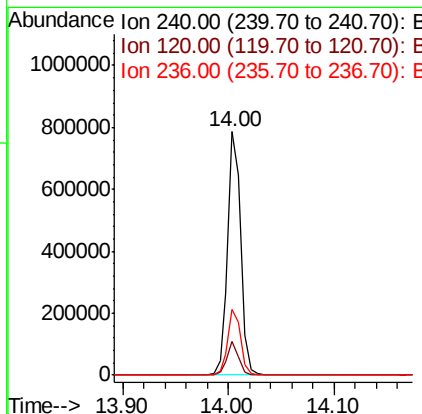
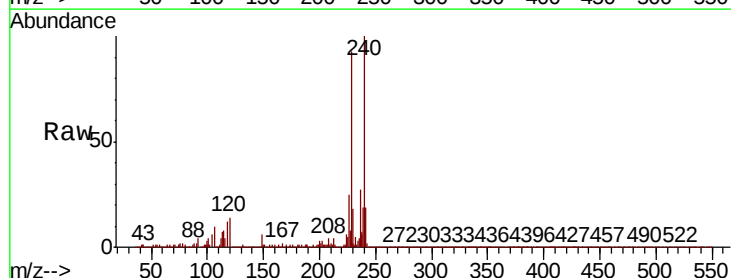
RT: 14.00 min Scan# 2026

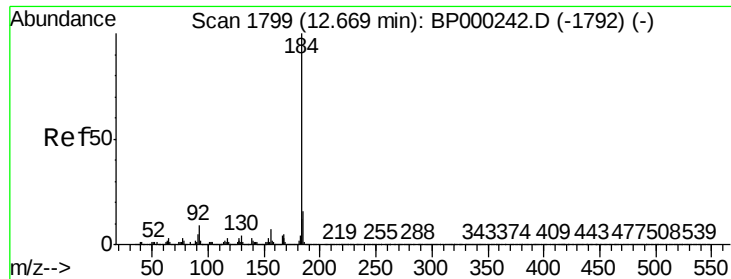
Delta R.T. 0.01 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

Tgt Ion:	240	Resp:	673393
Ion	Ratio	Lower	Upper
240	100		
120	13.6	10.4	15.6
236	27.2	21.0	31.6





#77

Benzidine

Concen: 1.882 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.01 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

Instrument :

BNA_P

ClientSampleId :

BU-02-092419MSD

Tot Ion:184 Resp: 45267

Ion Ratio Lower Upper

184 100

185 15.0 12.7 19.1

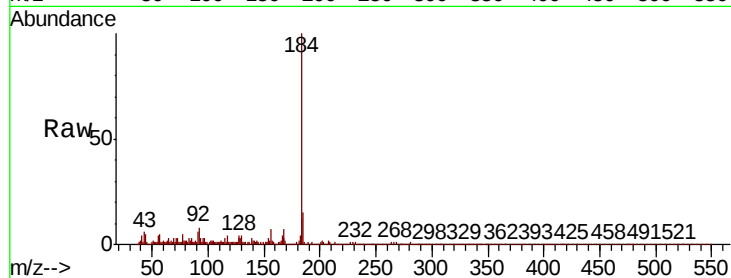
183 12.0 9.5 14.3

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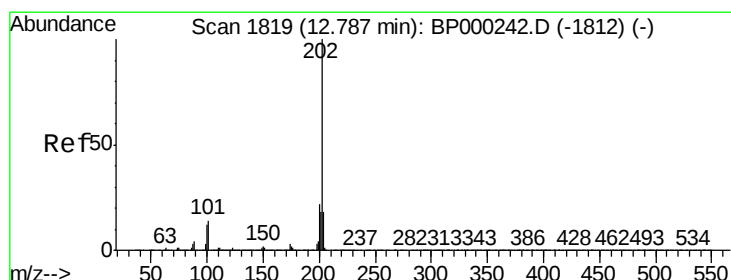
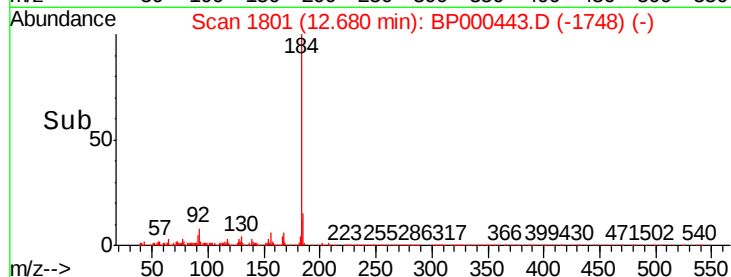
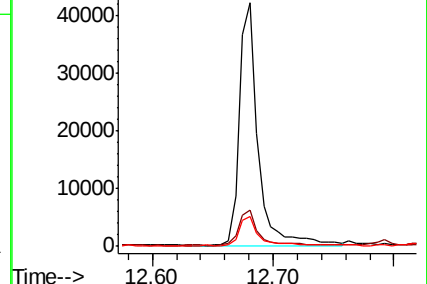
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 48.661 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

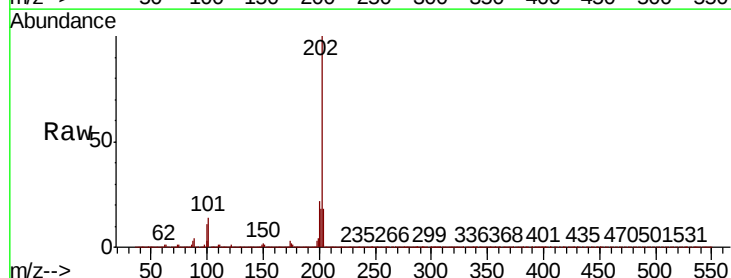
Tgt Ion:202 Resp: 2451616

Ion Ratio Lower Upper

202 100

200 22.5 17.5 26.3

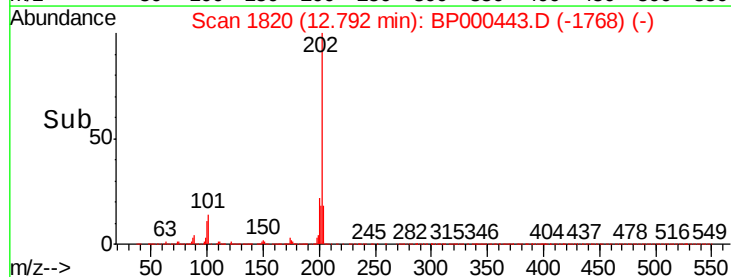
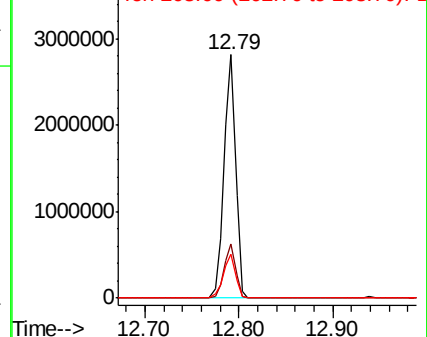
203 18.1 14.3 21.5

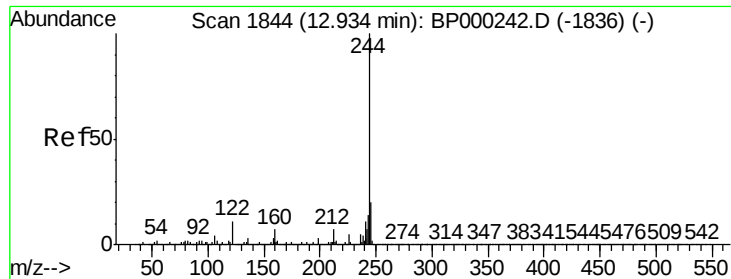


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





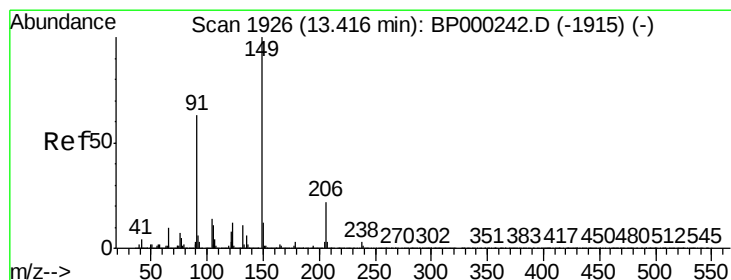
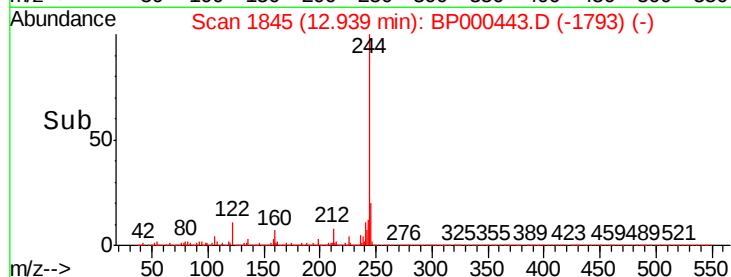
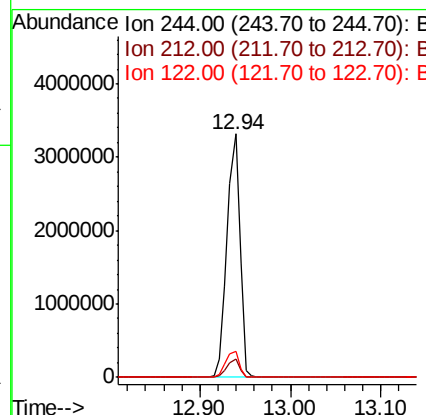
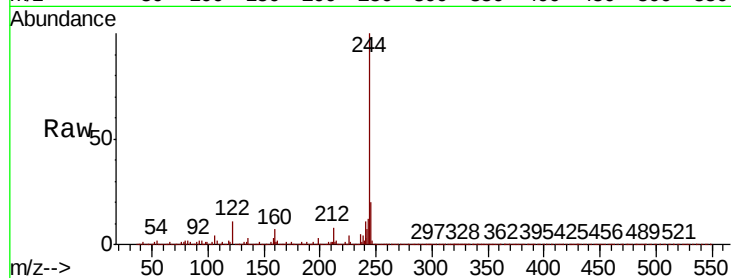
#79
 Terphenyl-d14
 Concen: 100.978 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.01 min
 Lab File: BP000443.D
 Acq: 27 Sep 2019 02:38

Instrument :
 BNA_P
 ClientSampleId :
 BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	10.6	9.0	13.4

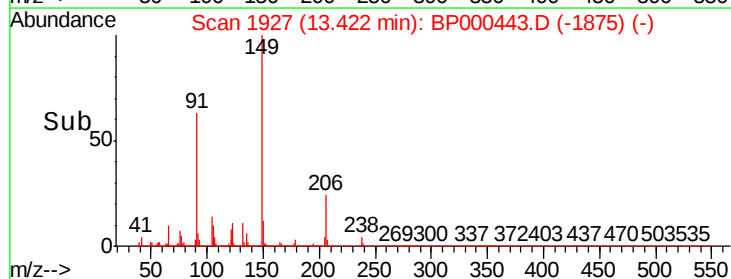
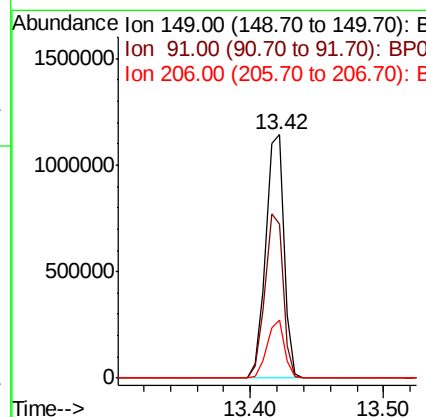
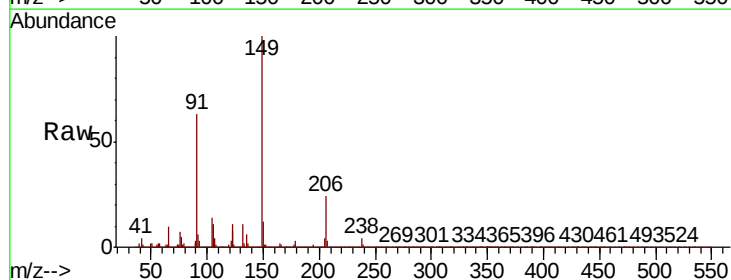
Manual Integrations
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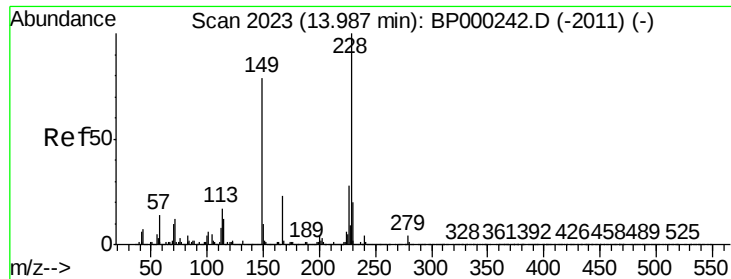
mohammad
 9/27/2019 1:47:33 PM



#80
 Butylbenzylphthalate
 Concen: 46.389 ng
 RT: 13.42 min Scan# 1927
 Delta R.T. 0.01 min
 Lab File: BP000443.D
 Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
149	100		
91	63.3	50.6	76.0
206	23.8	17.8	26.6





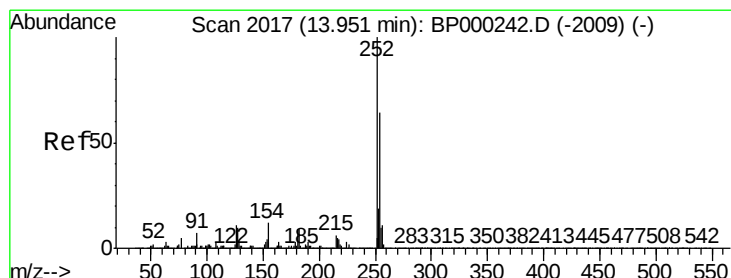
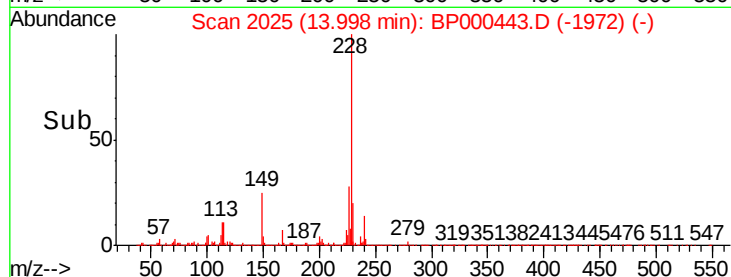
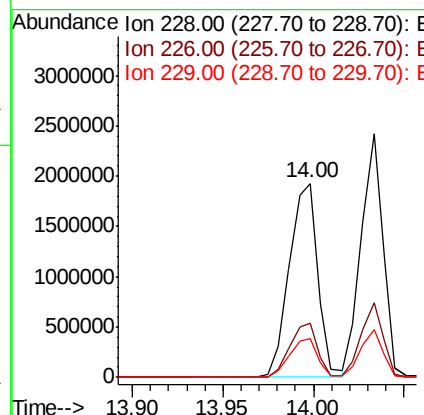
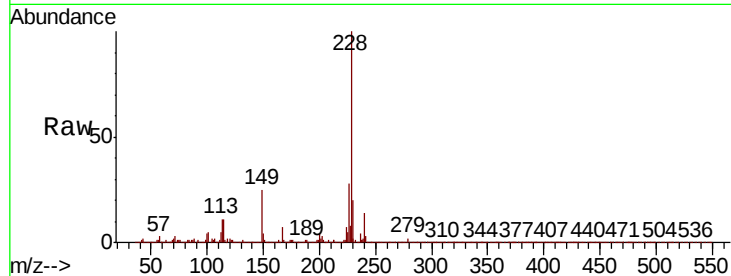
#81
Benzo(a)anthracene
Concen: 50.032 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.4
229	20.3	16.0	24.0

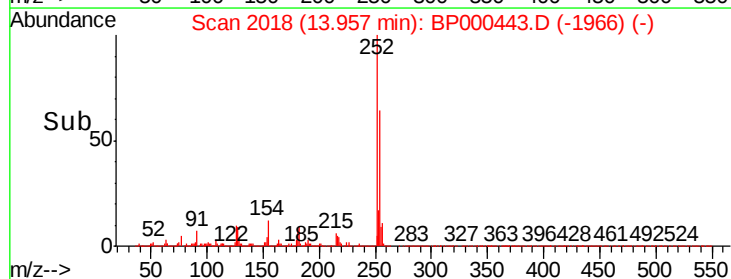
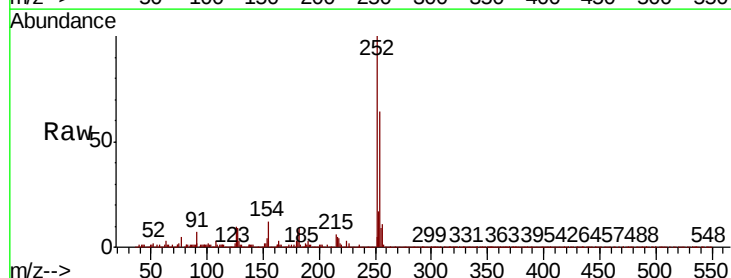
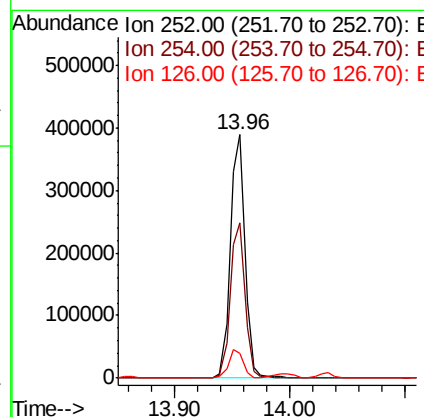
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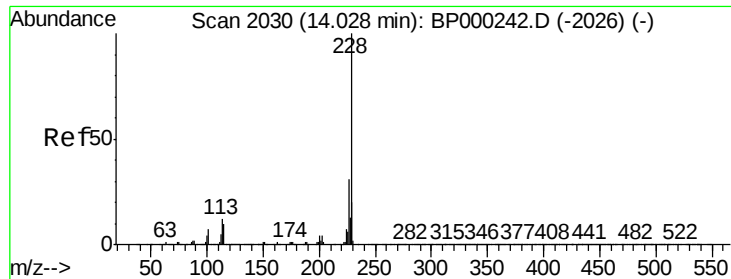
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 20.073 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.5	77.3
126	10.1	8.4	12.6





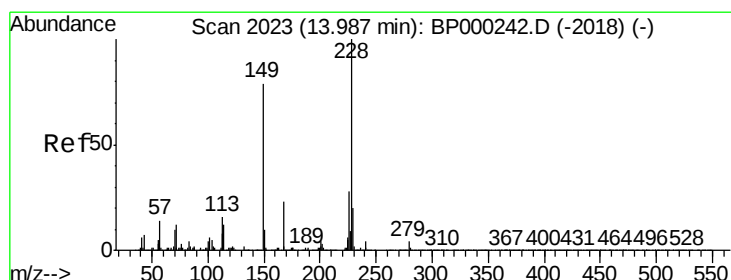
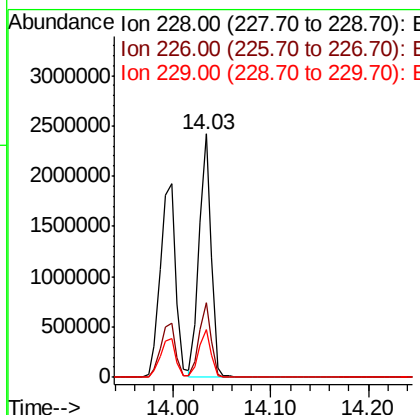
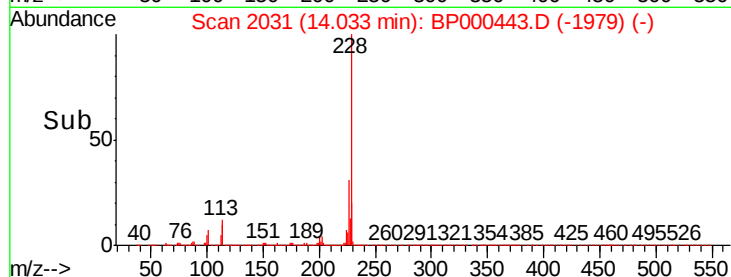
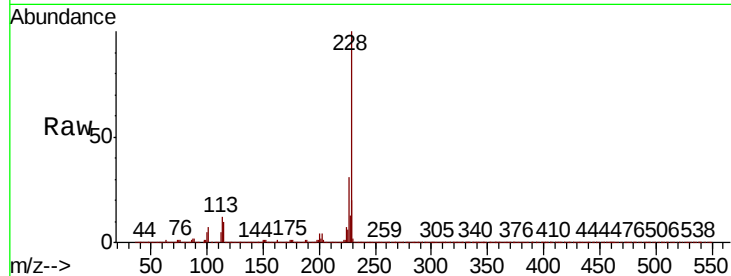
#83
 Chrysene
 Concen: 49.365 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.01 min
 Lab File: BP000443.D
 Acq: 27 Sep 2019 02:38

Instrument :
 BNA_P
 ClientSampleId :
 BU-02-092419MSD

Tot Ion: 228 Resp: 2061706
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.9 37.3
 229 19.5 16.2 24.2

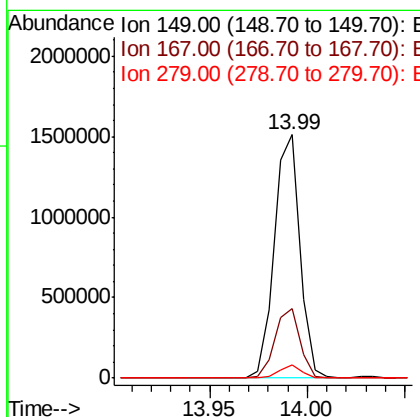
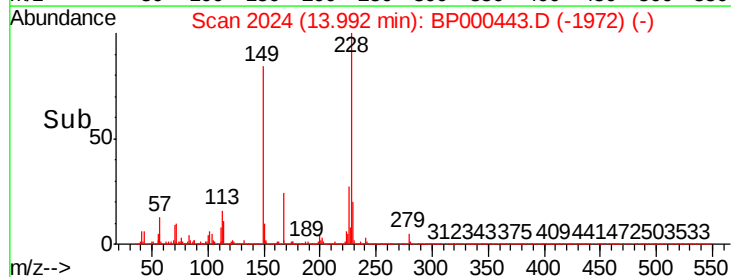
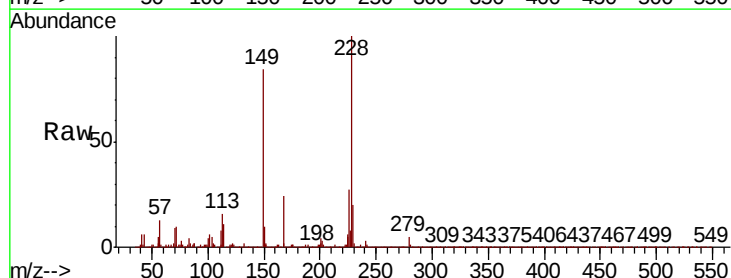
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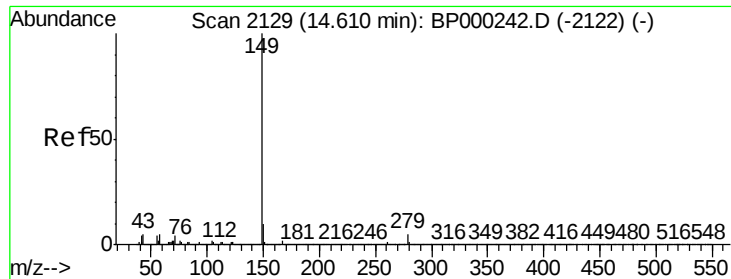
mohammad
 9/27/2019 1:47:33 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 49.192 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.01 min
 Lab File: BP000443.D
 Acq: 27 Sep 2019 02:38

Tgt Ion: 149 Resp: 1367036
 Ion Ratio Lower Upper
 149 100
 167 28.5 23.0 34.4
 279 5.5 3.7 5.5#





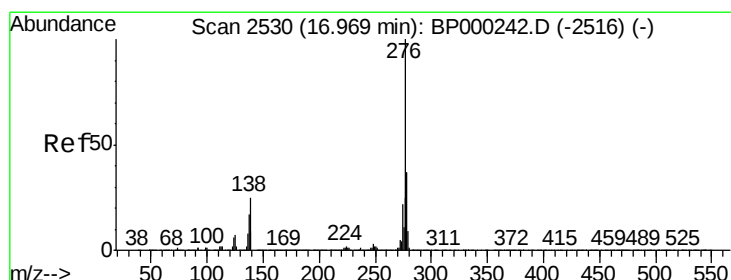
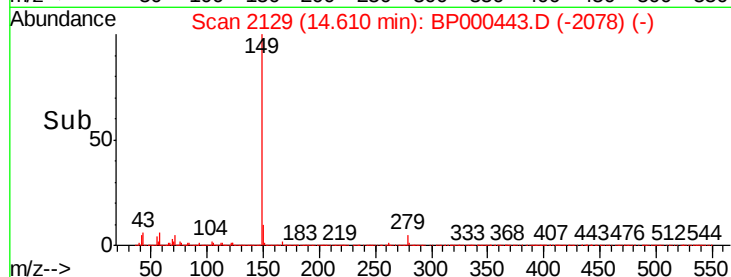
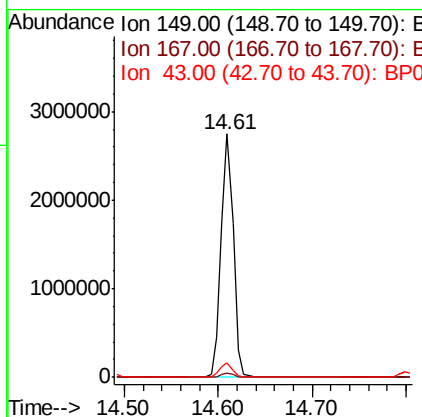
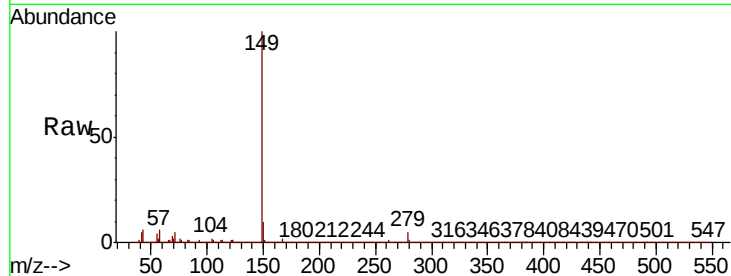
#85
Di-n-octyl phthalate
Concen: 48.887 ng
RT: 14.61 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	6.0	5.0	7.6

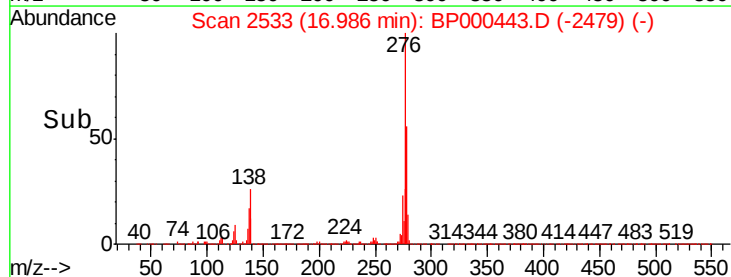
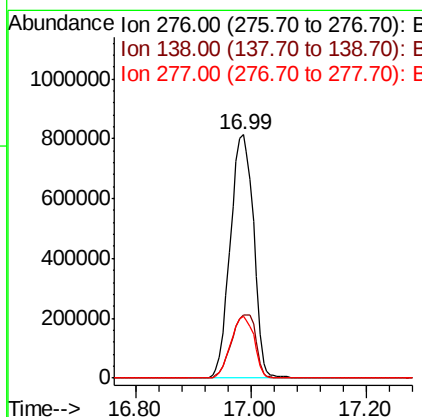
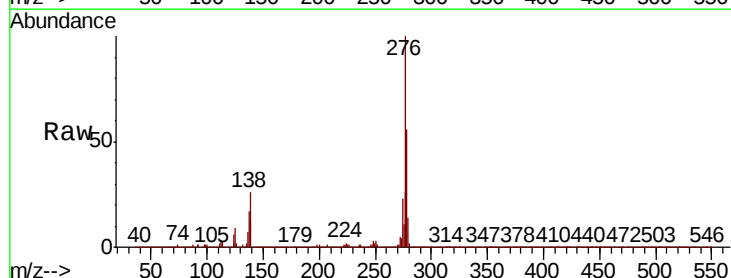
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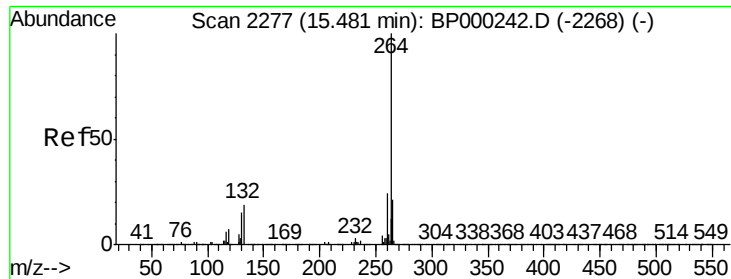
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 44.720 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.02 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.4	22.6	33.8
277	25.6	20.4	30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.01 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

Instrument :

BNA_P

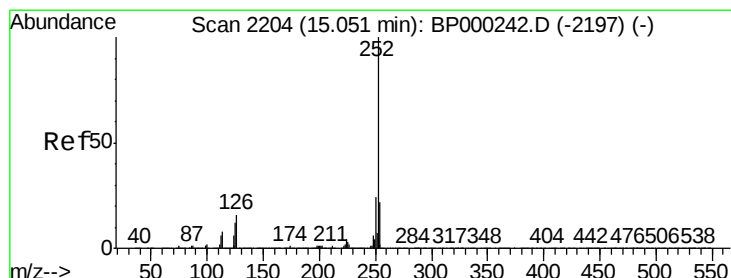
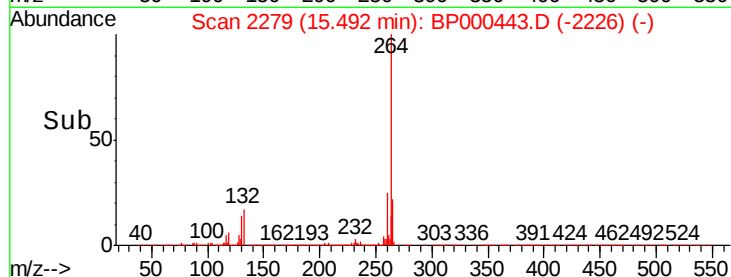
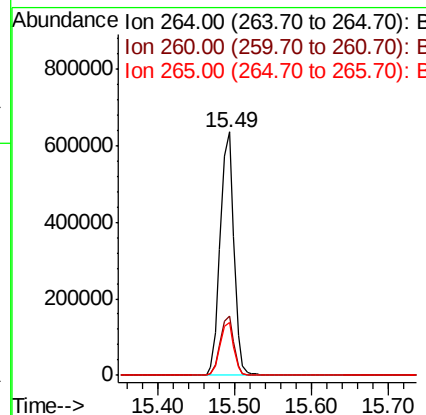
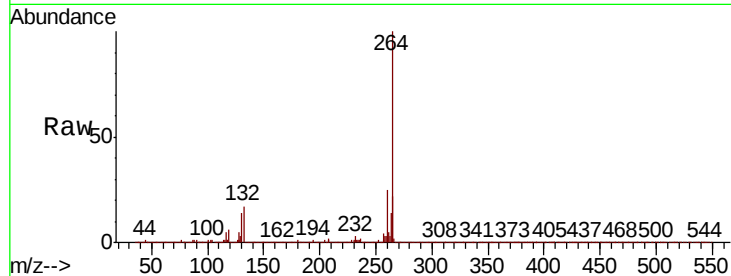
ClientSampleId :

BU-02-092419MSD

Tot Ion:	264	Resp:	775024
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.9	28.3
265	21.9	17.2	25.8

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 49.446 ng

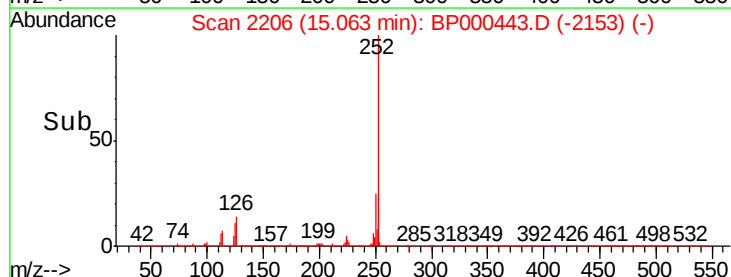
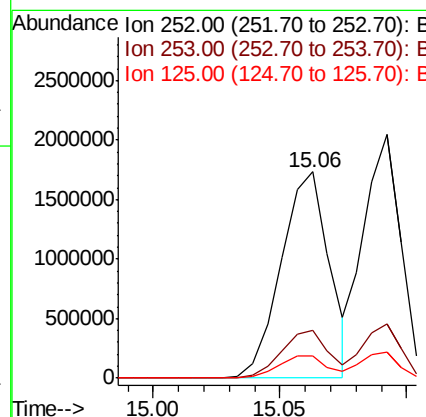
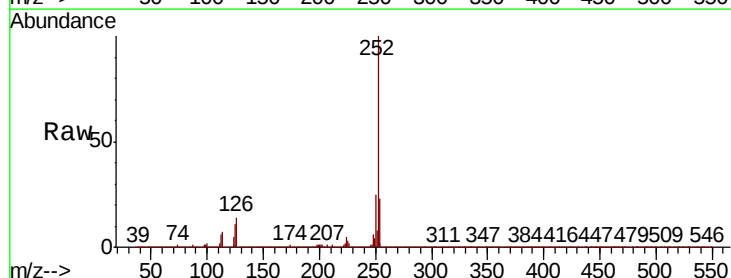
RT: 15.06 min Scan# 2206

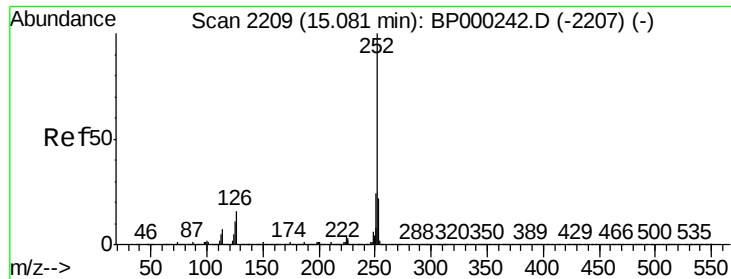
Delta R.T. 0.01 min

Lab File: BP000443.D

Acq: 27 Sep 2019 02:38

Tgt Ion:	252	Resp:	2286149
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.6
125	10.7	9.5	14.3





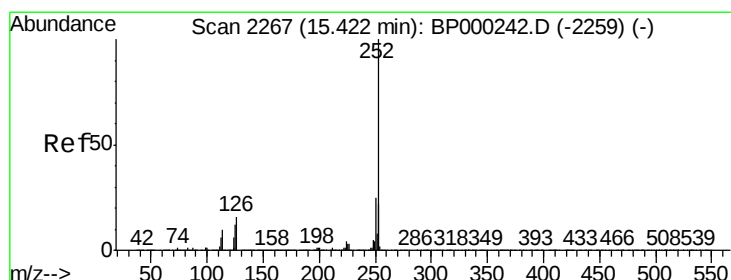
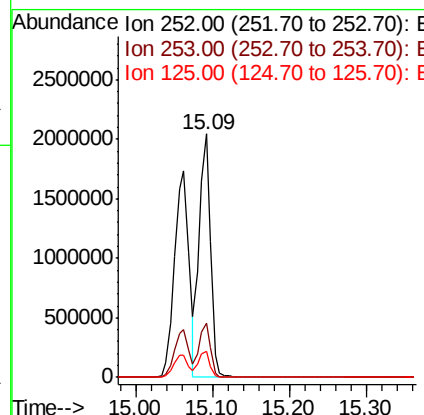
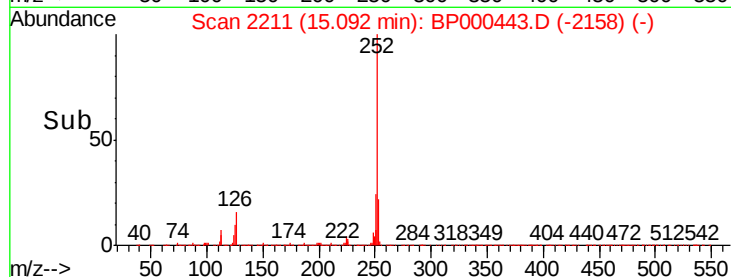
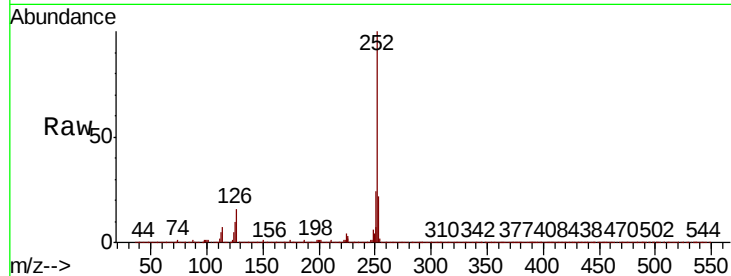
#89
Benzo(k)fluoranthene
Concen: 52.681 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion:252 Resp: 2124668
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 10.5 9.6 14.4

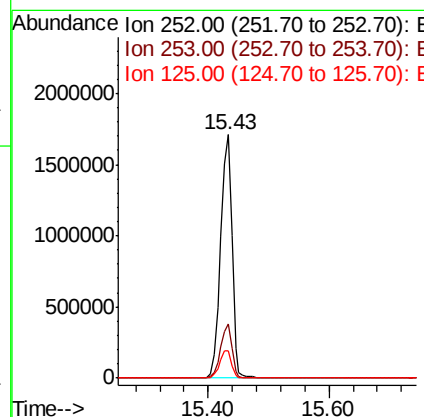
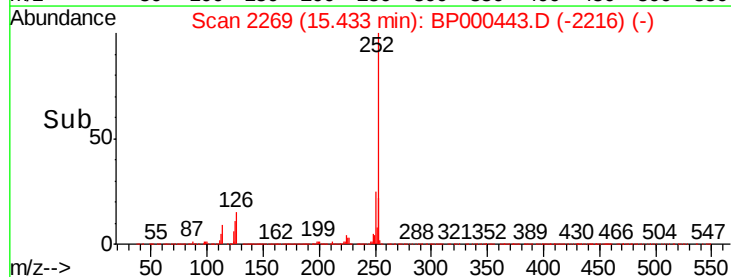
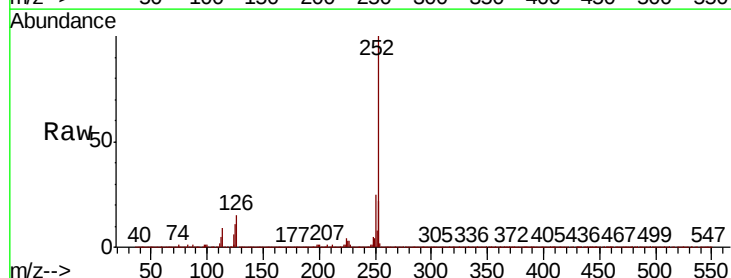
Manual Integrations
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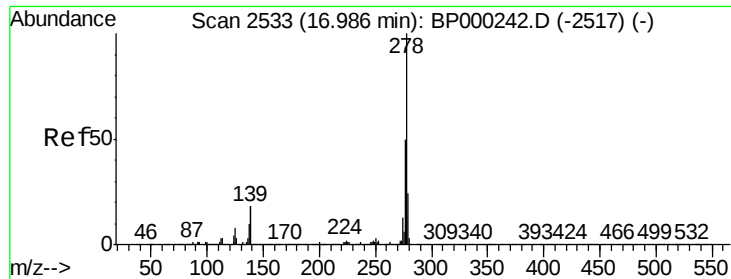
mohammad
9/27/2019 1:47:33 PM



#90
Benzo(a)pyrene
Concen: 52.279 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion:252 Resp: 2199387
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 11.3 10.0 15.0





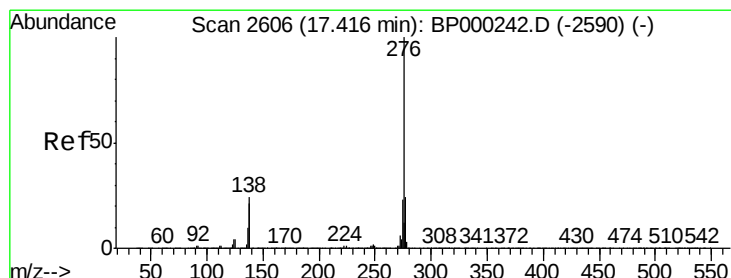
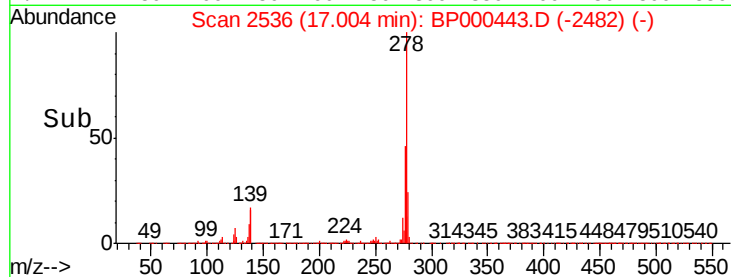
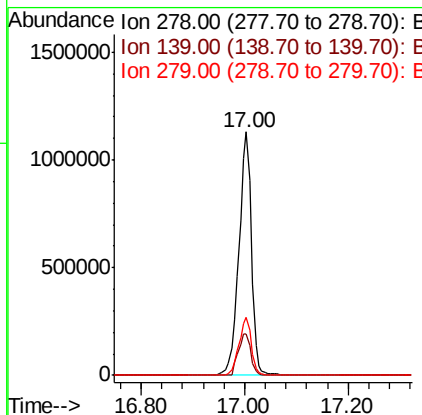
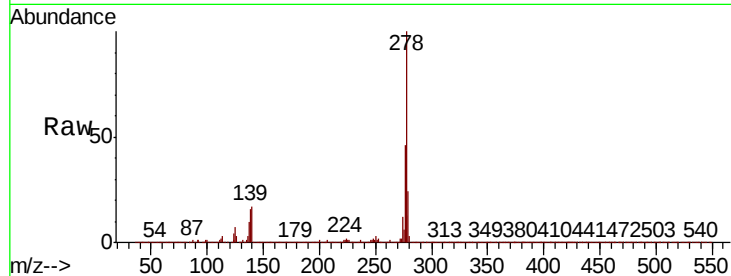
#91
Dibenzo(a,h)anthracene
Concen: 48.736 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.02 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Instrument :
BNA_P
ClientSampleId :
BU-02-092419MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.1	14.5	21.7
279	23.9	19.0	28.6

Manual Integrations
APPROVED

mohammad
9/27/2019 1:47:33 PM



#92
Benzo(g,h,i)perylene
Concen: 44.908 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.02 min
Lab File: BP000443.D
Acq: 27 Sep 2019 02:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.1	28.7
138	23.7	19.5	29.3

