

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102919\
 Data File : BM023434.D
 Acq On : 29 Oct 2019 09:58
 Operator : JU
 Sample : K5423-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE4G5

Manual Integrations
 APPROVED

mohammad
 10/30/2019 4:54:01 PM

Quant Time: Oct 29 18:23:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 25 07:44:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	441843	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.40	136	1797172	20.00	ng/ul	-0.02
36) Acenaphthene-d10	14.27	164	1090869	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.02	188	2218895	20.00	ng/ul	-0.01
78) Chrysene-d12	21.22	240	2259134	20.00	ng/ul	-0.01
86) Perylene-d12	23.41	264	2611317	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	54344	5.84	ng/uL	0.00
5) Phenol-d5	6.80	99	494830	13.33	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.96	67	558239	25.67	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.16	132	839261	28.93	ng/ul	-0.01
13) 4-Methylphenol-d8	8.33	113	463675	15.38	ng/ul	-0.02
19) Nitrobenzene-d5	8.78	128	454739	33.61	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.49	143	400647	26.69	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.03	165	750439	25.44	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.54	131	48631	1.43	ng/ul	-0.02
44) Dimethylphthalate-d6	13.69	166	2447819	29.55	ng/ul	-0.01
47) Acenaphthylene-d8	13.96	160	2795246	29.45	ng/ul	-0.02
52) 4-Nitrophenol-d4	14.49	143	108825	7.58	ng/ul	0.00
58) Fluorene-d10	15.27	176	2082666	29.69	ng/ul	-0.02
63) 4,6-Dinitro-2-methylphenol	15.40	200	341647	24.73	ng/ul	-0.01
71) Anthracene-d10	17.12	188	3287190	31.35	ng/ul	-0.02
79) Pyrene-d10	19.42	212	3645321	29.34	ng/ul	-0.01
90) Benzo(a)pyrene-d12	23.27	264	4180670	31.43	ng/ul	-0.01

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.19	88	30337	3.065	ng/uL 98
4) Benzaldehyde	6.78	77	57755	2.703	ng/ul 94
6) Phenol	6.83	94	125887	3.294	ng/ul 98
8) Bis(2-Chloroethyl)ether	7.06	93	84614	2.840	ng/ul 97
10) 2-Chlorophenol	7.19	128	81824	2.692	ng/ul 96
11) 2-Methylphenol	8.08	108	70858	2.425	ng/ul 99
12) 2,2'-oxybis(1-Chloropropan	8.16	45	120350	2.828	ng/ul 99
14) Acetophenone	8.45	105	128992	2.739	ng/ul 94
15) N-Nitroso-di-n-propylamine	8.43	70	61620	2.316	ng/ul 96
16) 4-Methylphenol	8.40	108	78502	2.451	ng/ul 95
17) Hexachloroethane	8.69	117	37593	2.972	ng/ul 96
20) Nitrobenzene	8.82	77	90857	2.742	ng/ul 98
21) Isophorone	9.35	82	154602	2.329	ng/ul 99
23) 2-Nitrophenol	9.52	139	40729	2.484	ng/ul 95
24) 2,4-Dimethylphenol	9.59	107	74370	2.196	ng/ul 98
25) Bis(2-Chloroethoxy)methane	9.83	93	109592	2.684	ng/ul 97
27) 2,4-Dichlorophenol	10.06	162	74675	2.566	ng/ul 95
28) Naphthalene	10.45	128	254802	2.766	ng/ul 99
30) 4-Chloroaniline	10.56	127	103646	2.947	ng/ul 98
31) Hexachlorobutadiene	10.75	225	56643	2.982	ng/ul 96
32) Caprolactam	11.35	113	21615m	2.420	ng/ul
33) 4-Chloro-3-methylphenol	11.70	107	69092	2.154	ng/ul 98
34) 2-Methylnaphthalene	12.07	142	173538	2.466	ng/ul 99

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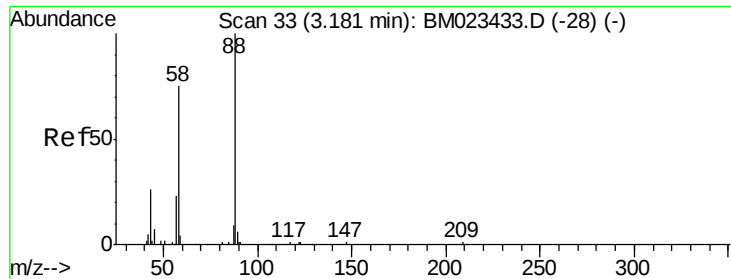
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

35) 1-Methylnaphthalene	12.30	142	169570	2.497	ng/ul	99
37) 1,2,4,5-Tetrachlorobenzene	12.45	216	98921	2.871	ng/ul	93
38) Hexachlorocyclopentadiene	12.43	237	27223	1.191	ng/ul	97
39) 2,4,6-Trichlorophenol	12.70	196	54099	2.410	ng/ul	94
40) 2,4,5-Trichlorophenol	12.77	196	54945	2.282	ng/ul	95
41) 1,1'-Biphenyl	13.10	154	243134	2.874	ng/ul	99
42) 2-Chloronaphthalene	13.14	162	184239	2.858	ng/ul	96
43) 2-Nitroaniline	13.35	65	42243	2.345	ng/ul	95
45) Dimethylphthalate	13.73	163	504643	6.067	ng/ul	98
46) 2,6-Dinitrotoluene	13.85	165	39513	2.398	ng/ul	97
48) Acenaphthylene	13.99	152	279106	2.837	ng/ul	99
49) 3-Nitroaniline	14.17	138	38937	2.615	ng/ul#	96
50) Acenaphthene	14.34	153	192514	2.782	ng/ul	97
51) 2,4-Dinitrophenol	14.39	184	12361	1.244	ng/ul#	88
53) 4-Nitrophenol	14.50	109	23347	2.043	ng/ul	84
54) Dibenzofuran	14.67	168	271655	2.741	ng/ul	98
55) 2,4-Dinitrotoluene	14.65	165	50669	2.121	ng/ul	99
56) 2,3,4,6-Tetrachlorophenol	14.90	232	51870m	2.361	ng/ul	
57) Diethylphthalate	15.11	149	221272	2.637	ng/ul	99
59) Fluorene	15.33	166	211957	2.623	ng/ul	98
60) 4-Chlorophenyl-phenylether	15.33	204	113463	2.657	ng/ul	99
61) 4-Nitroaniline	15.34	138	38038	2.289	ng/ul	100
64) 4,6-Dinitro-2-methylphenol	15.41	198	30252	1.994	ng/ul#	52
65) N-Nitrosodiphenylamine	15.54	169	745299	10.648	ng/ul	99
66) 4-Bromophenyl-phenylether	16.22	248	72344	2.554	ng/ul	97
67) Hexachlorobenzene	16.33	284	88836	2.740	ng/ul	97
68) Atrazine	16.50	200	46204	1.806	ng/ul	97
69) Pentachlorophenol	16.67	266	36257	1.883	ng/ul	99
70) Phenanthrene	17.06	178	342324	2.761	ng/ul	99
72) Anthracene	17.15	178	333480	2.654	ng/ul	99
75) Carbazole	17.42	167	305552	2.885	ng/ul	99
76) Di-n-butylphthalate	18.00	149	366749	2.759	ng/ul	99
77) Fluoranthene	19.09	202	388657	3.005	ng/ul	100
80) Pyrene	19.45	202	414028	2.595	ng/ul	97
81) Butylbenzylphthalate	20.37	149	159993	2.450	ng/ul	100
83) Benzo(a)anthracene	21.20	228	407613	2.698	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.16	149	247625	2.704	ng/ul	99
85) Chrysene	21.25	228	388973	2.790	ng/ul	99
87) Di-n-octyl phthalate	22.02	149	403092	2.624	ng/ul	100
88) Benzo(b)fluoranthene	22.75	252	407372	2.429	ng/ul	98
89) Benzo(k)fluoranthene	22.80	252	415555	2.639	ng/ul	99
91) Benzo(a)pyrene	23.32	252	396431	2.611	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.61	276	484316	2.946	ng/ul	98
93) Dibenzo(a,h)anthracene	25.62	278	400968	2.892	ng/ul	99
94) Benzo(g,h,i)perylene	26.27	276	396621	2.965	ng/ul	98

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



#2

1,4-Dioxane

Concen: 3.065 ng/uL

RT: 3.19 min Scan# 34

Delta R.T. -0.01 min

Lab File: BM023434.D

Acq: 29 Oct 2019 09:58

Instrument :

BNA_M

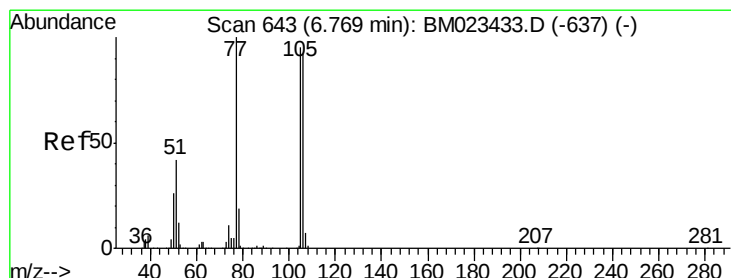
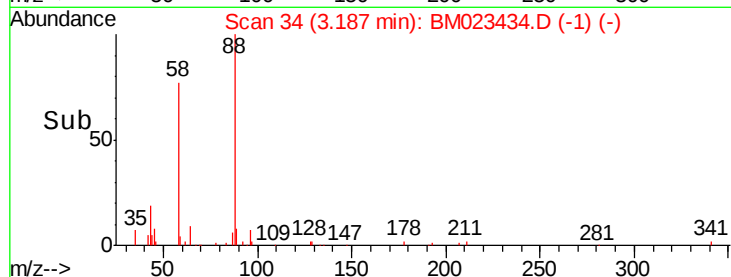
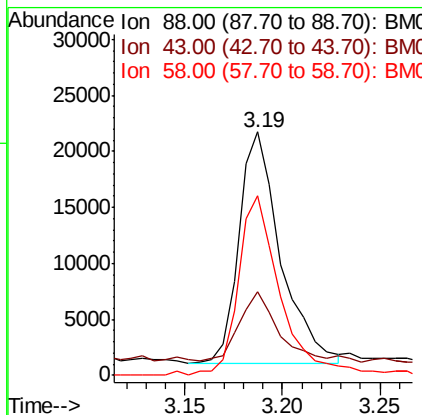
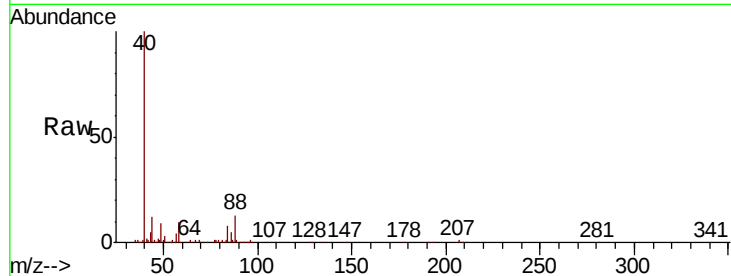
ClientSampled :

BE4G5

Tot Ion:	88	Resp:	30337
Ion Ratio	Lower	Upper	
88	100		
43	34.2	26.3	39.5
58	73.8	58.0	87.0

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#4

Benzaldehyde

Concen: 2.703 ng/uL

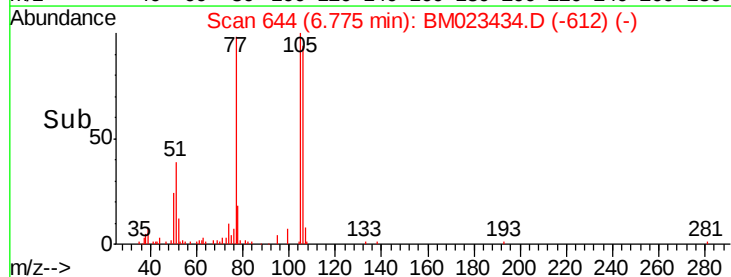
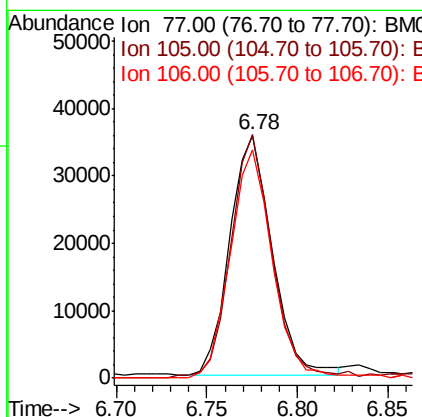
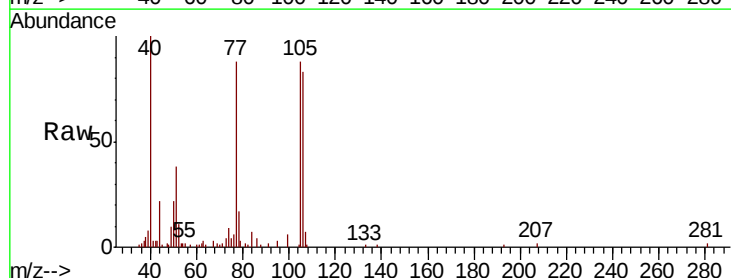
RT: 6.78 min Scan# 644

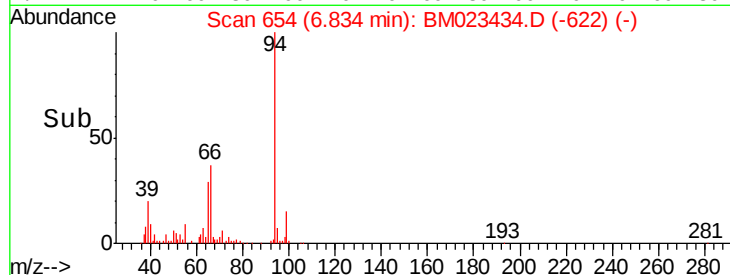
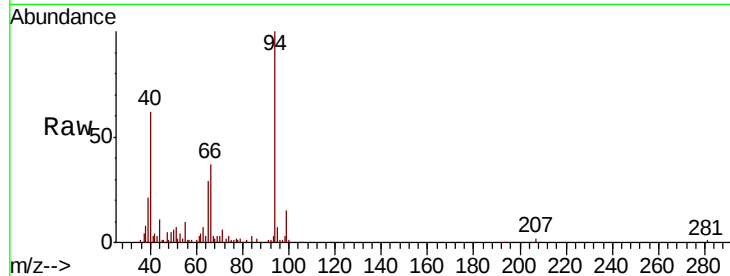
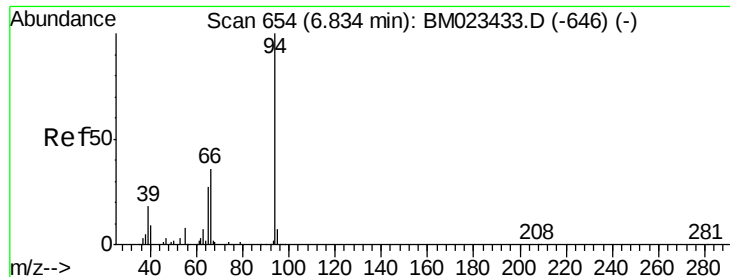
Delta R.T. -0.01 min

Lab File: BM023434.D

Acq: 29 Oct 2019 09:58

Tgt Ion:	77	Resp:	57755
Ion Ratio	Lower	Upper	
77	100		
105	100.3	75.4	113.2
106	93.9	71.3	106.9





#6

Phenol

Concen: 3.294 ng/ul

RT: 6.83 min Scan# 654

Delta R.T. -0.01 min

Lab File: BM023434.D

Acq: 29 Oct 2019 09:58

Tot Ion:	94	Resp:	125887
Ion	Ratio	Lower	Upper
94	100		
65	29.5	22.9	34.3
66	37.5	31.4	47.2

Instrument :

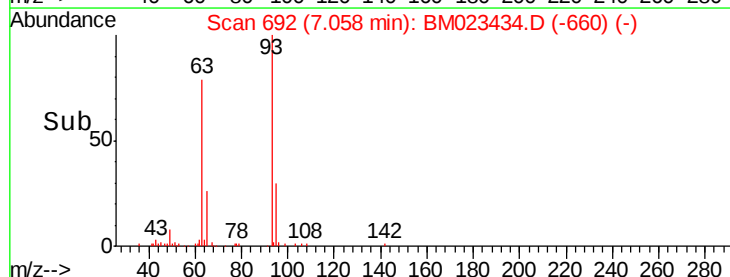
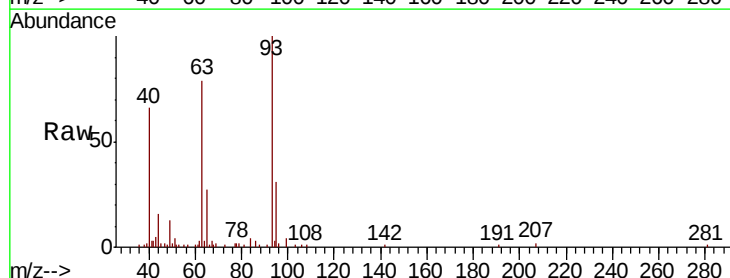
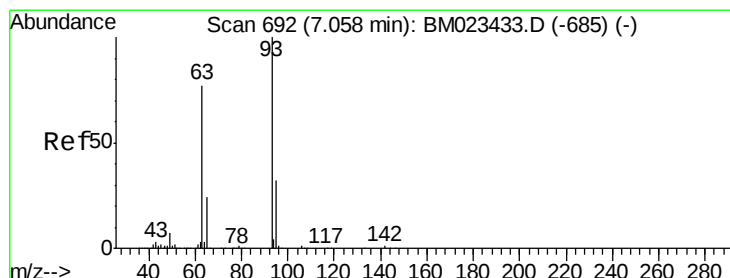
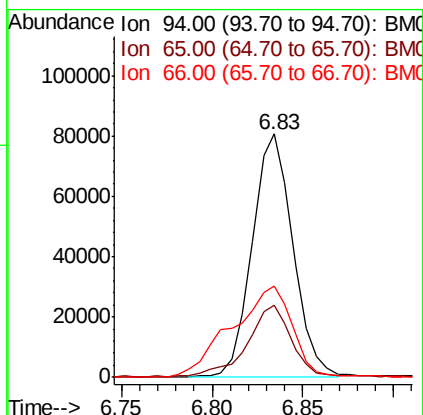
BNA_M

ClientSampled :

BE4G5

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#8

Bis(2-Chloroethyl)ether

Concen: 2.840 ng/ul

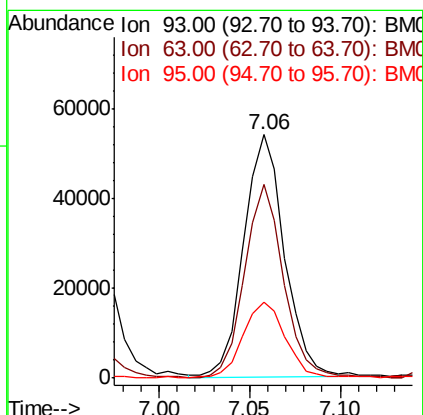
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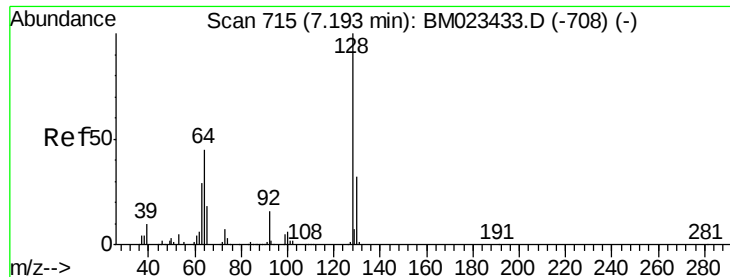
Delta R.T. -0.01 min

Lab File: BM023434.D

Acq: 29 Oct 2019 09:58

Tgt Ion:	93	Resp:	84614
Ion	Ratio	Lower	Upper
93	100		
63	79.3	61.4	92.0
95	31.0	26.1	39.1





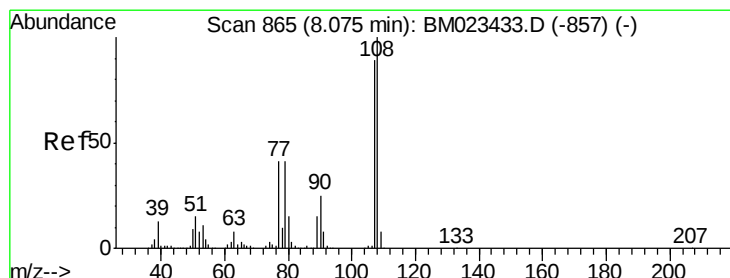
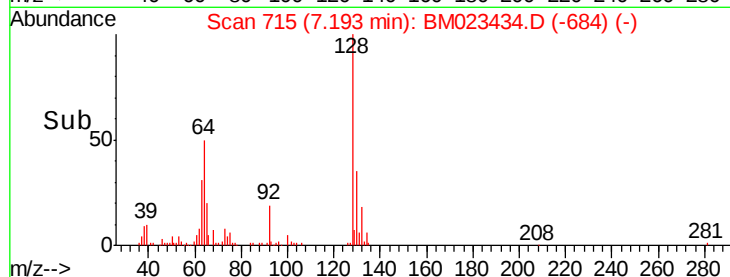
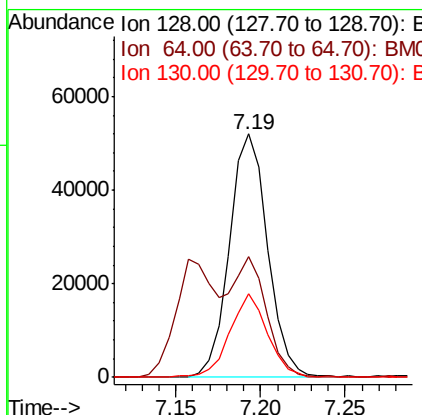
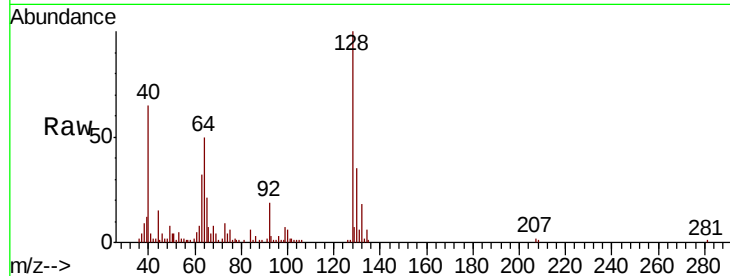
#10
2-Chlorophenol
Concen: 2.692 ng/ul
RT: 7.19 min Scan# 715
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampleId :
BE4G5

Tot Ion	Ratio	Lower	Upper
128	100		
64	49.6	37.3	55.9
130	34.5	26.0	39.0

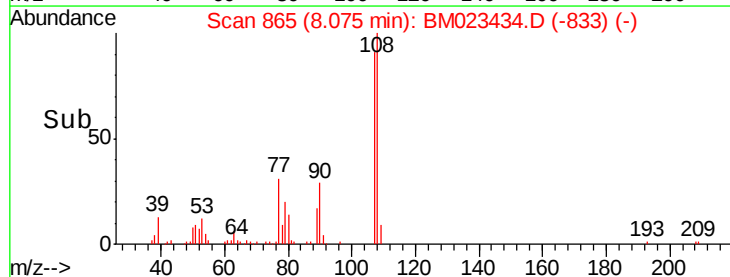
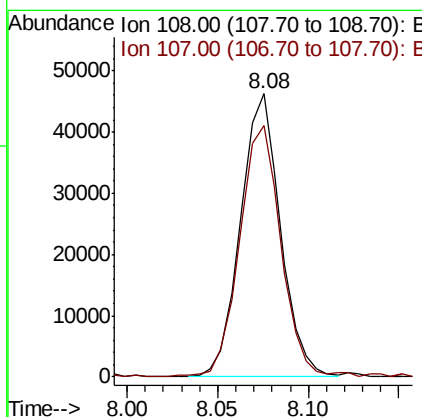
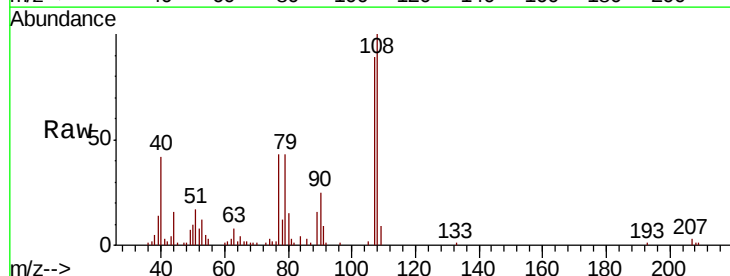
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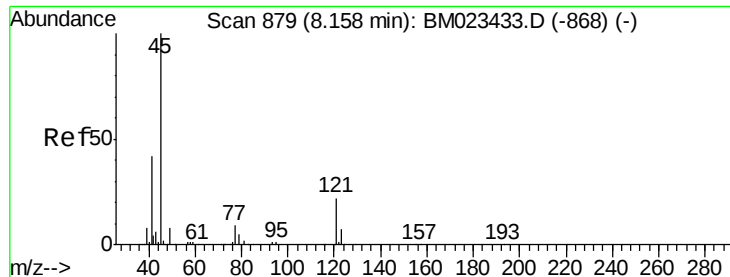
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#11
2-Methylphenol
Concen: 2.425 ng/ul
RT: 8.08 min Scan# 865
Delta R.T. -0.01 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Lower	Upper
108	100		
107	89.0	70.6	106.0





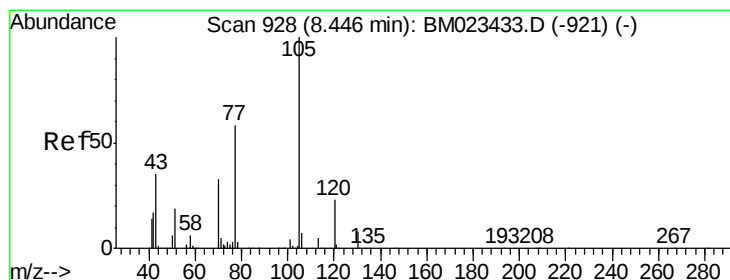
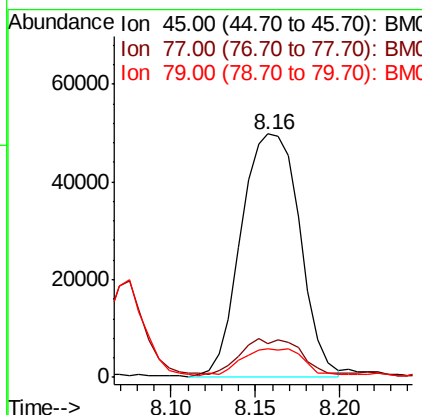
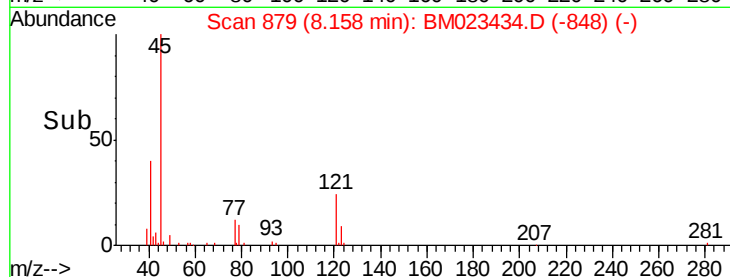
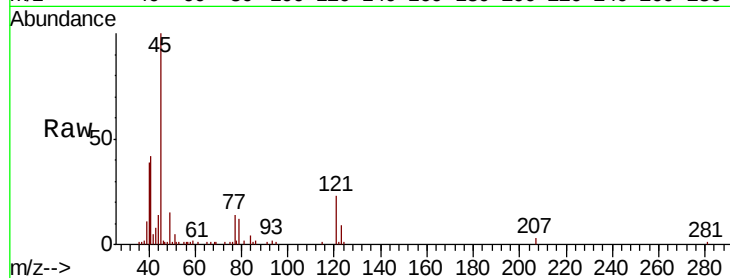
#12
2,2'-oxvbis(1-Chloropropane)
Concen: 2.828 ng/ul
RT: 8.16 min Scan# 879
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
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Tot Ion:	45	Resp:	120350
Ion Ratio		Lower	Upper
45	100		
77	13.9	11.4	17.2
79	12.0	9.0	13.6

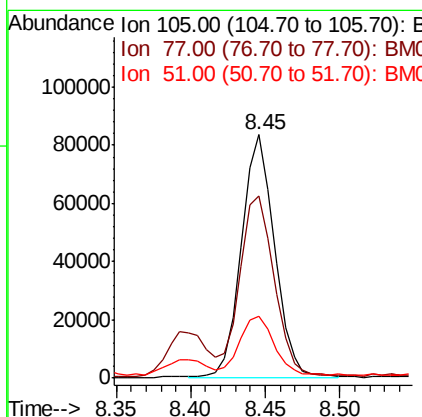
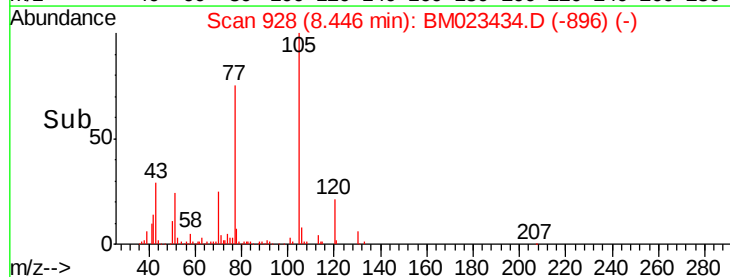
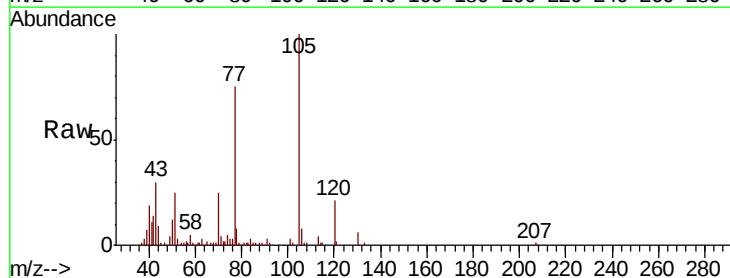
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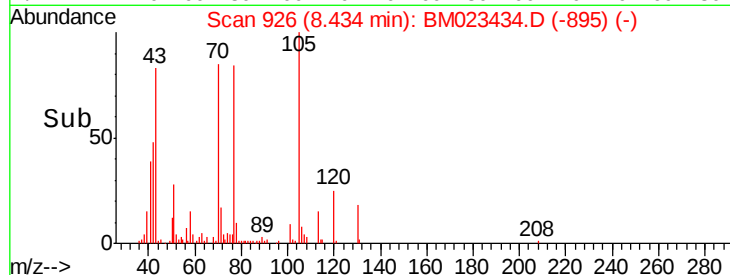
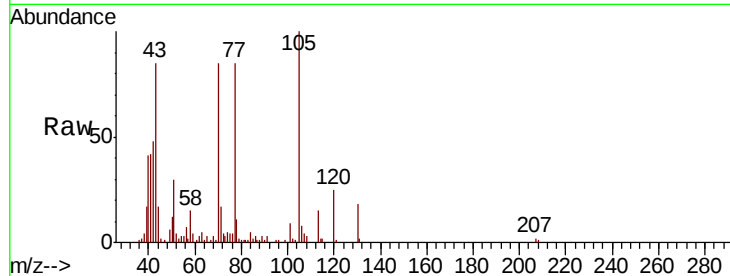
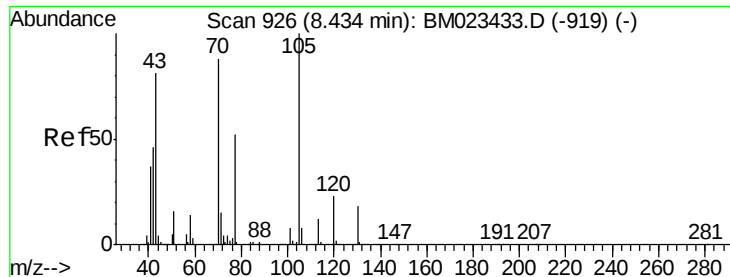
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10/30/2019 4:54:01 PM



#14
Acetophenone
Concen: 2.739 ng/ul
RT: 8.45 min Scan# 928
Delta R.T. -0.01 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion:	105	Resp:	128992
Ion Ratio		Lower	Upper
105	100		
77	74.6	64.8	97.2
51	25.2	21.3	31.9





#15

N-Nitroso-di-n-propylamine

Concen: 2.316 ng/ul

RT: 8.43 min Scan# 926

Delta R.T. -0.02 min

Lab File: BM023434.D

Acq: 29 Oct 2019 09:58

Instrument :

BNA_M

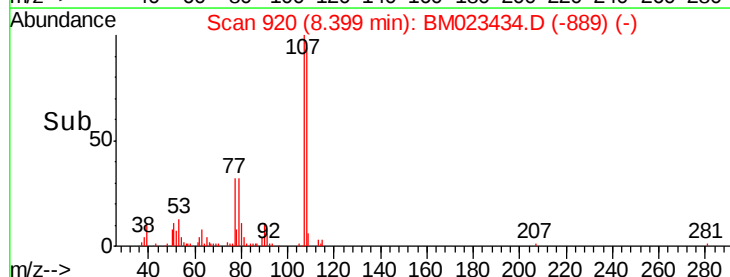
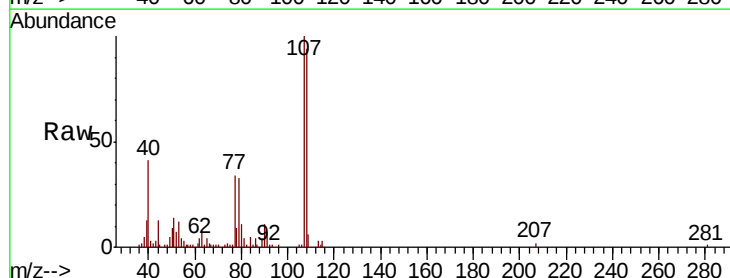
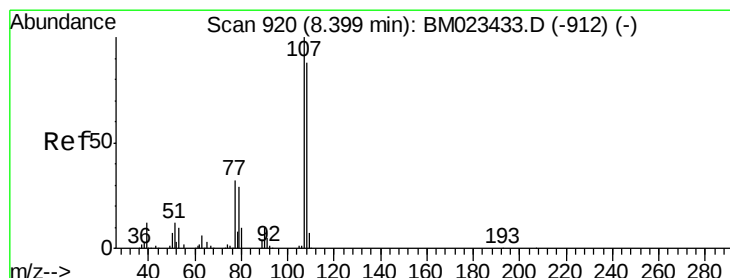
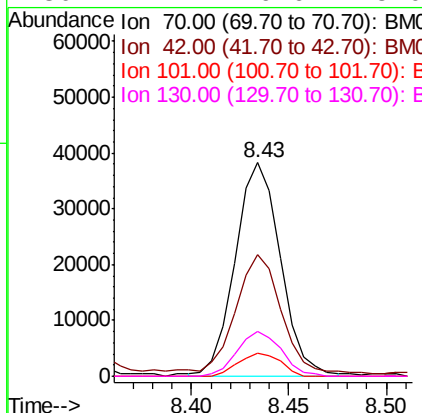
ClientSampleID :

BE4G5

Tot Ion:	70	Resp:	61620
Ion Ratio	Lower	Upper	
70	100		
42	57.1	42.8	64.2
101	10.7	7.8	11.8
130	21.2	16.6	25.0

Manual Integrations
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#16

4-Methylphenol

Concen: 2.451 ng/ul

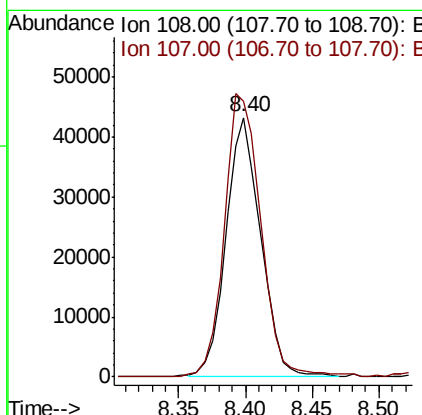
RT: 8.40 min Scan# 920

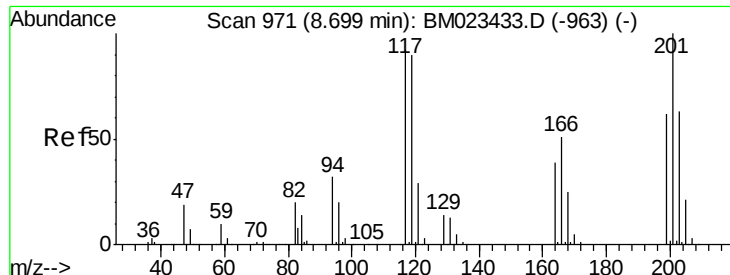
Delta R.T. -0.02 min

Lab File: BM023434.D

Acq: 29 Oct 2019 09:58

Tgt Ion:	108	Resp:	78502
Ion Ratio	Lower	Upper	
108	100		
107	106.3	89.7	134.5





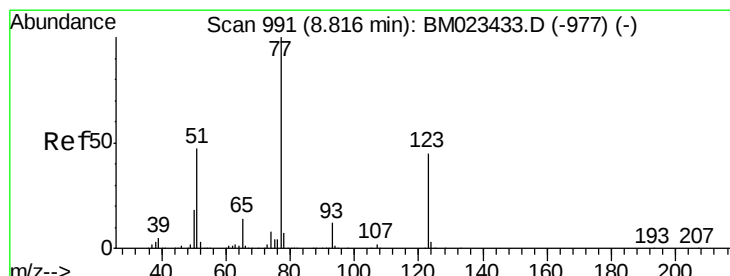
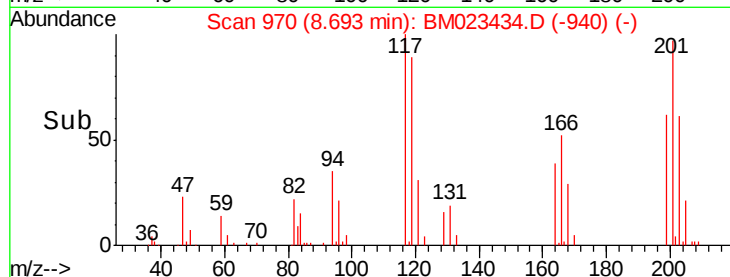
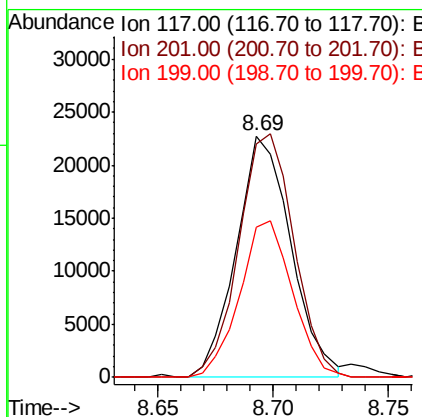
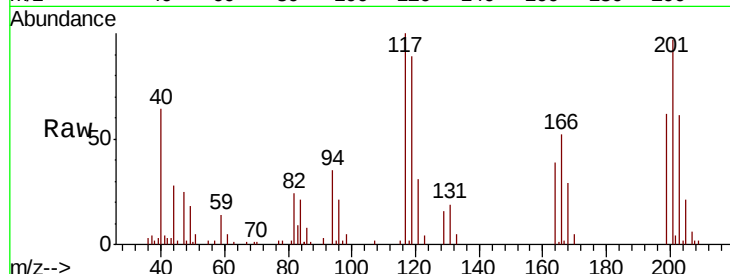
#17
Hexachloroethane
Concen: 2.972 ng/ul
RT: 8.69 min Scan# 970
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampled :
BE4G5

Tot Ion	Ratio	Lower	Upper
117	100		
201	100.9	83.5	125.3
199	62.3	53.6	80.4

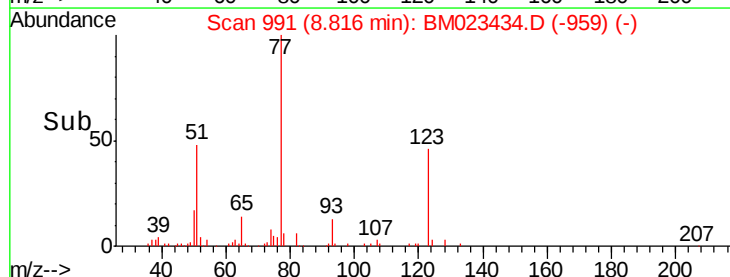
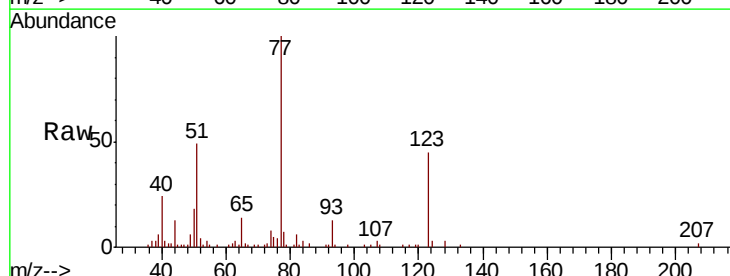
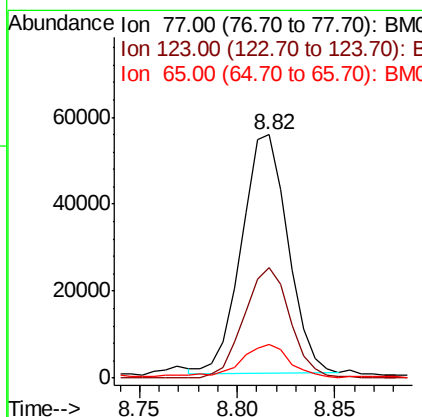
Manual Integrations
APPROVED

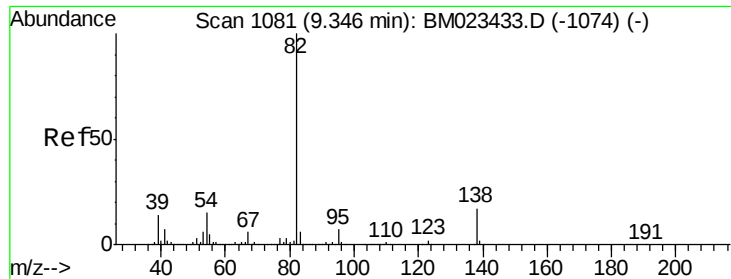
mohammad
10/30/2019 4:54:01 PM



#20
Nitrobenzene
Concen: 2.742 ng/ul
RT: 8.82 min Scan# 991
Delta R.T. -0.01 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.2	34.8	52.2
65	13.7	11.4	17.0





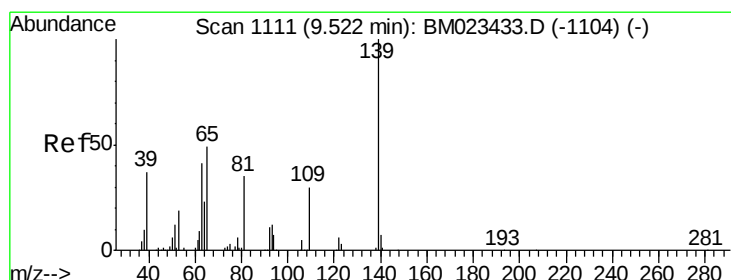
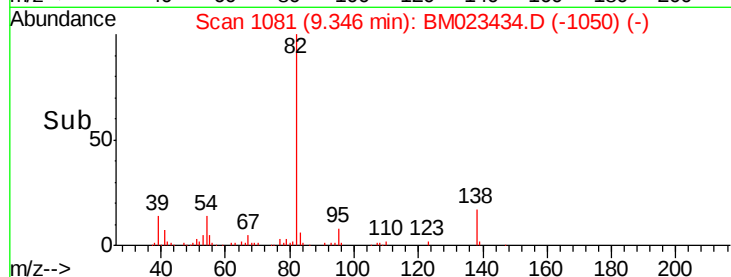
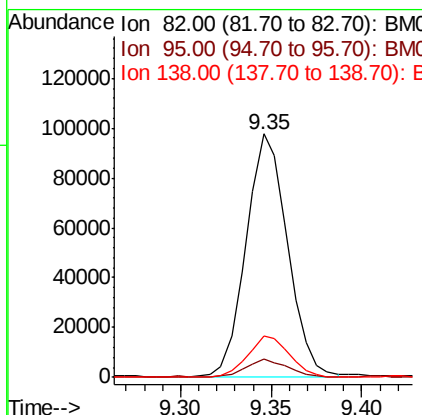
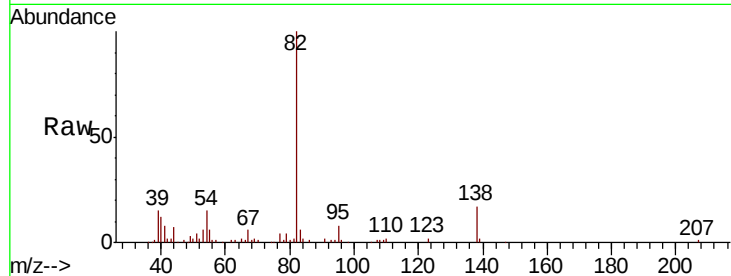
#21
Isophorone
Concen: 2.329 ng/ul
RT: 9.35 min Scan# 1081
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampleId :
BE4G5

Tot Ion	Ratio	Resp	Lower	Upper
82	100	154602		
95	7.6		6.0	9.0
138	17.0		14.2	21.4

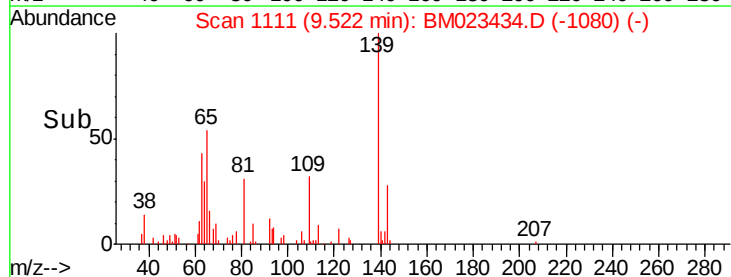
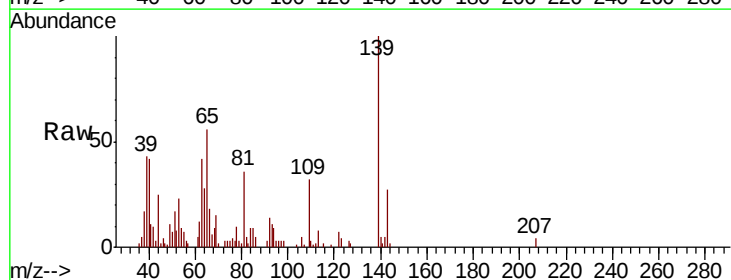
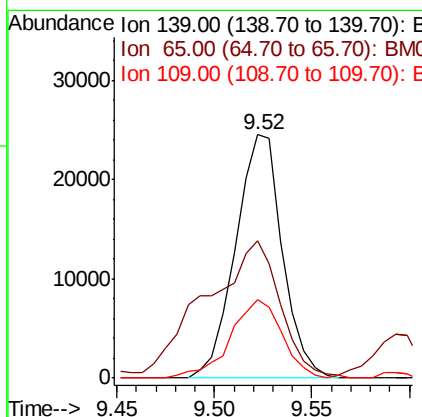
Manual Integrations
APPROVED

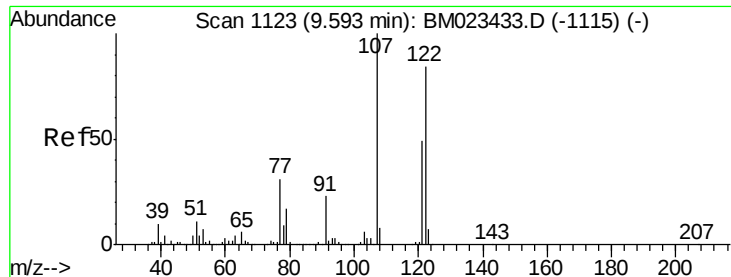
mohammad
10/30/2019 4:54:01 PM



#23
2-Nitrophenol
Concen: 2.484 ng/ul
RT: 9.52 min Scan# 1111
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	40729		
65	56.3		40.8	61.2
109	32.4		25.6	38.4





#24

2,4-Dimethylphenol

Concen: 2.196 ng/ul

RT: 9.59 min Scan# 1123

Delta R.T. -0.02 min

Lab File: BM023434.D

Acq: 29 Oct 2019 09:58

Instrument :

BNA_M

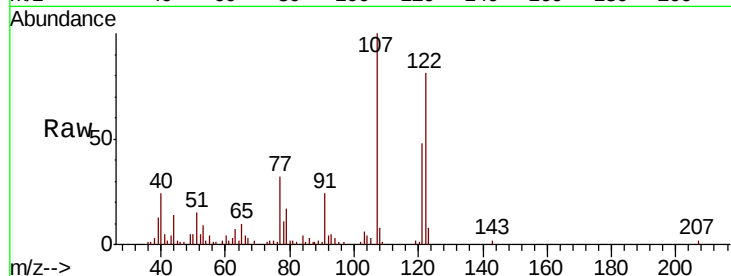
ClientSampleId :

BE4G5

Tot Ion:	107	Resp:	74370
Ion	Ratio	Lower	Upper
107	100		
121	47.6	39.8	59.8
122	81.4	66.4	99.6

Manual Integrations
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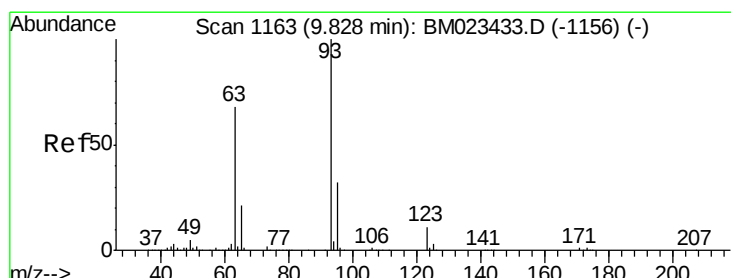
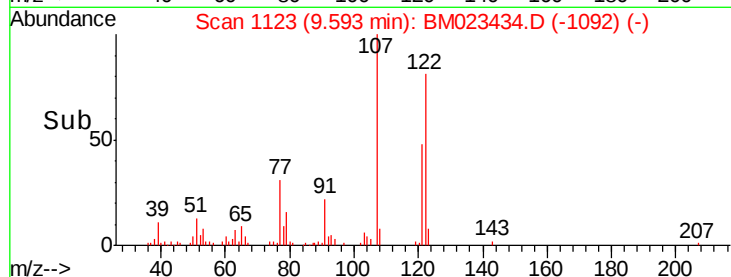
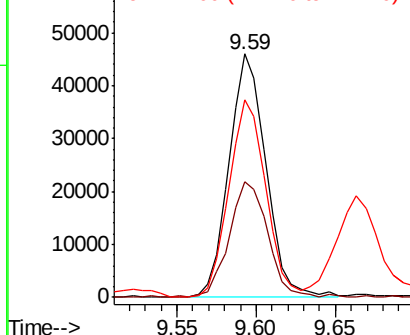


Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E



#25

Bis(2-Chloroethoxy)methane

Concen: 2.684 ng/ul

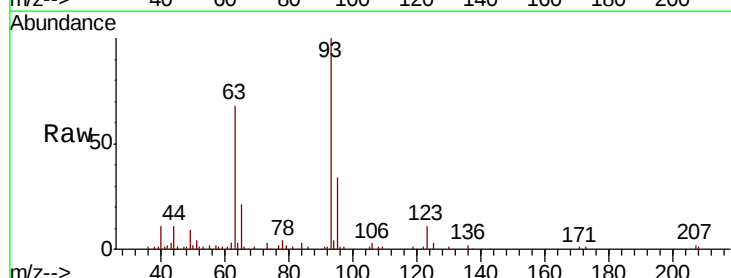
RT: 9.83 min Scan# 1163

Delta R.T. -0.02 min

Lab File: BM023434.D

Acq: 29 Oct 2019 09:58

Tgt Ion:	93	Resp:	109592
Ion	Ratio	Lower	Upper
93	100		
95	33.6	25.1	37.7
123	10.7	8.6	12.8

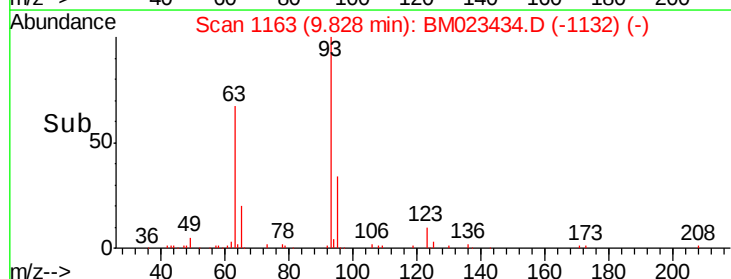
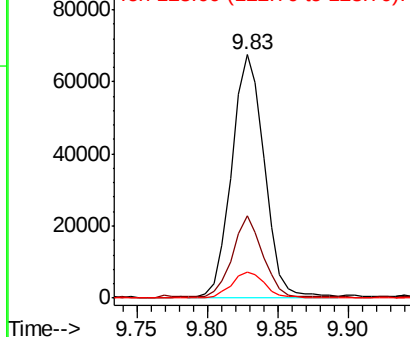


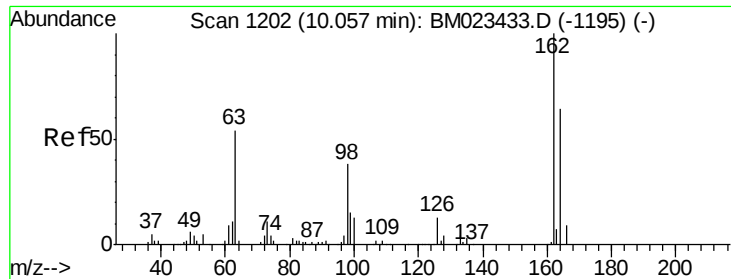
Abundance

Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





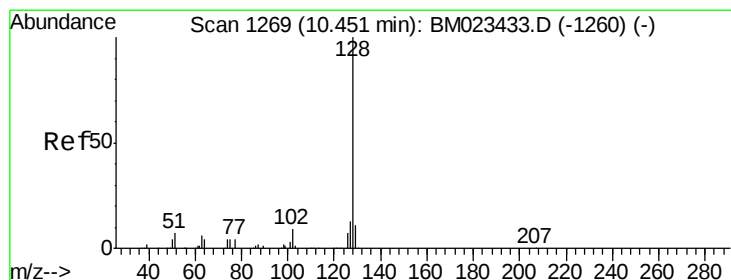
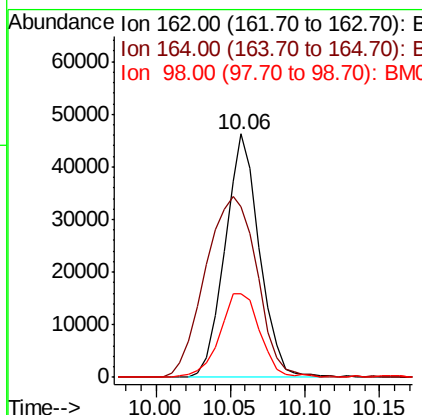
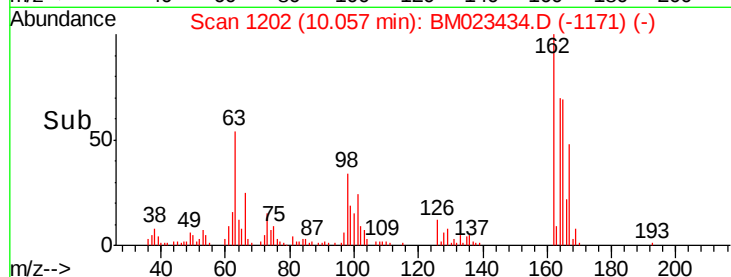
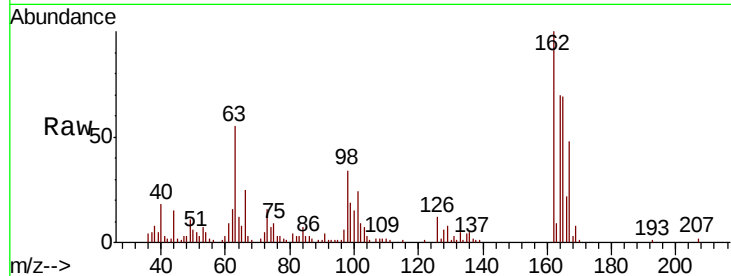
#27
2,4-Dichlorophenol
Concen: 2.566 ng/ul
RT: 10.06 min Scan# 1202
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampleId :
BE4G5

Tot Ion	Ratio	Lower	Upper
162	100		
164	70.2	52.7	79.1
98	34.4	29.2	43.8

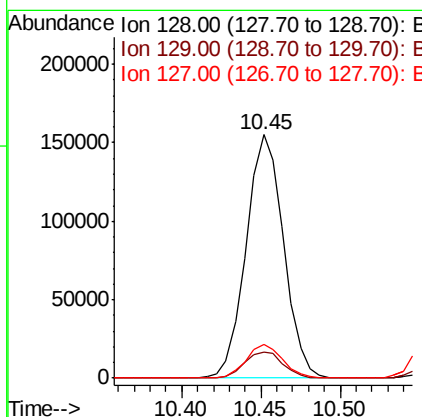
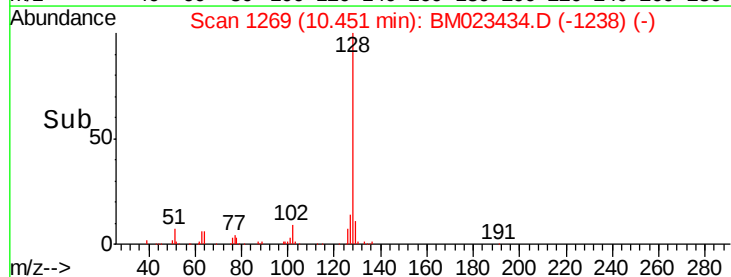
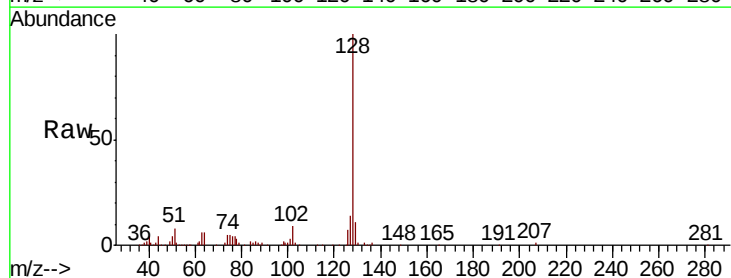
Manual Integrations
APPROVED

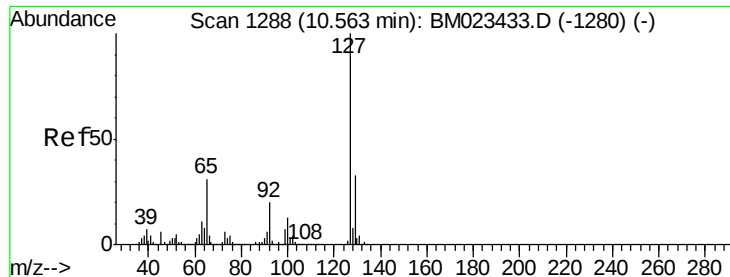
mohammad
10/30/2019 4:54:01 PM



#28
Naphthalene
Concen: 2.766 ng/ul
RT: 10.45 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.7	10.4	15.6





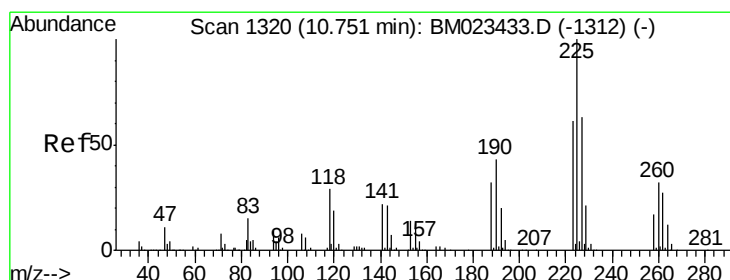
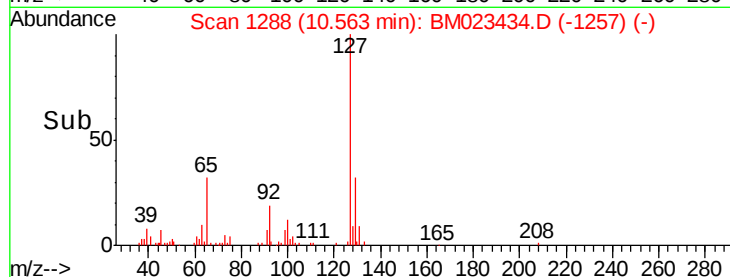
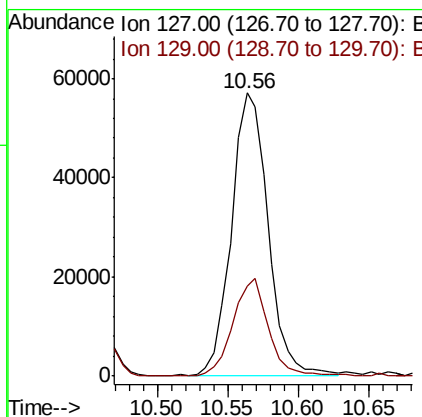
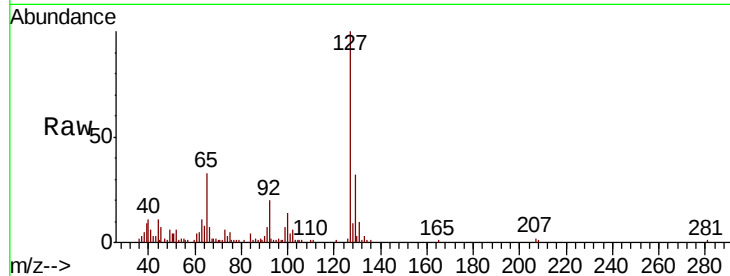
#30
4-Chloroaniline
Concen: 2.947 ng/ul
RT: 10.56 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampleId :
BE4G5

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.4	39.6

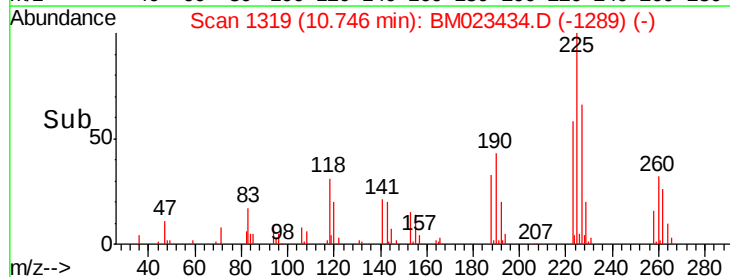
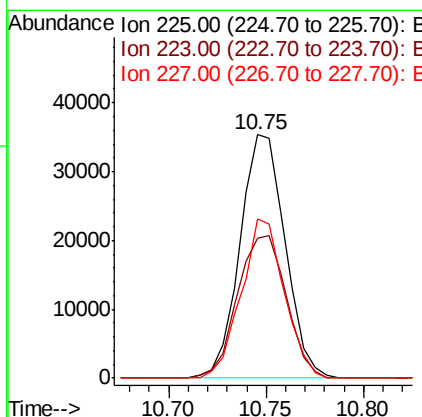
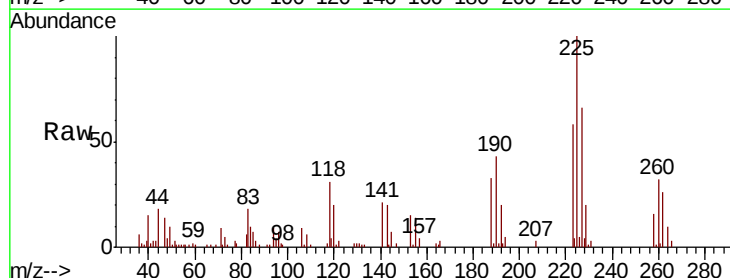
Manual Integrations
APPROVED

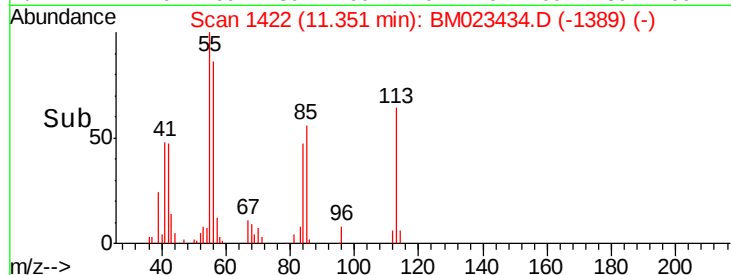
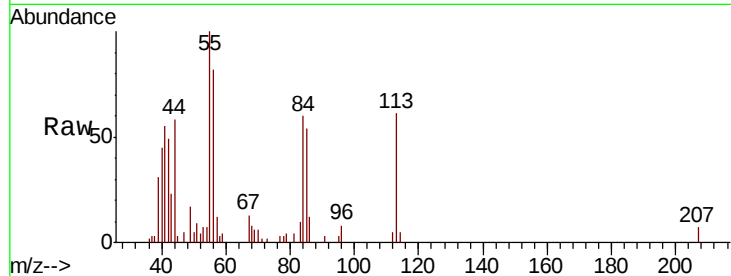
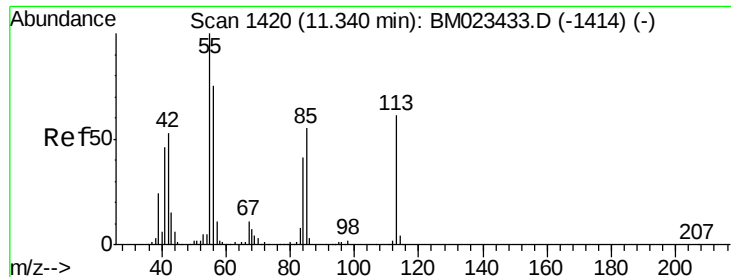
mohammad
10/30/2019 4:54:01 PM



#31
Hexachlorobutadiene
Concen: 2.982 ng/ul
RT: 10.75 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.5	50.2	75.2
227	65.6	51.0	76.6





#32

Caprolactam

Concen: 2.420 ng/ul m

RT: 11.35 min Scan# 1422

Delta R.T. -0.01 min

Lab File: BM023434.D

Acq: 29 Oct 2019 09:58

Instrument :

BNA_M

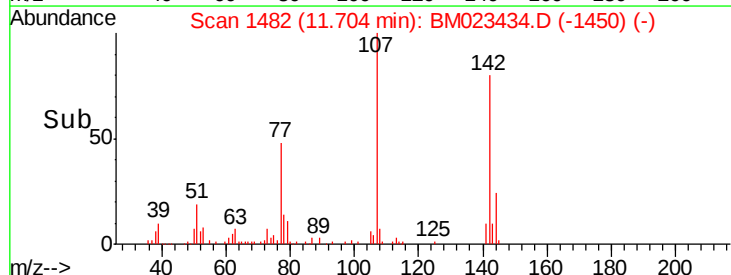
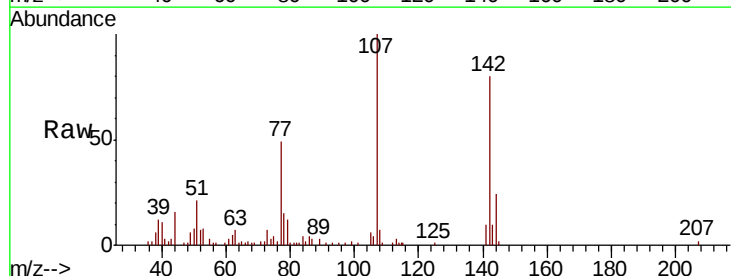
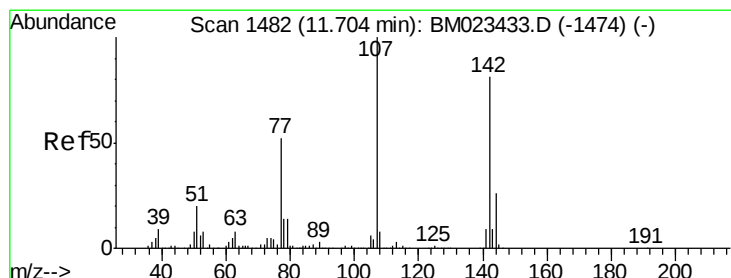
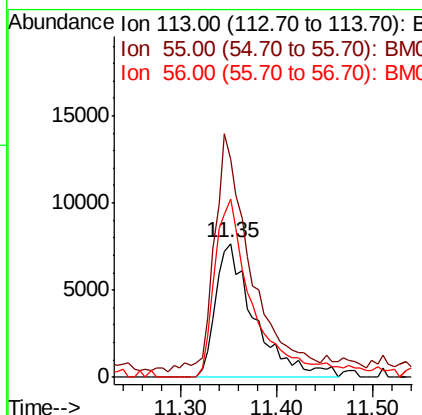
ClientSampleId :

BE4G5

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
55	163.0	132.8	199.2	
56	133.7	100.6	150.8	

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#33

4-Chloro-3-methylphenol

Concen: 2.154 ng/ul

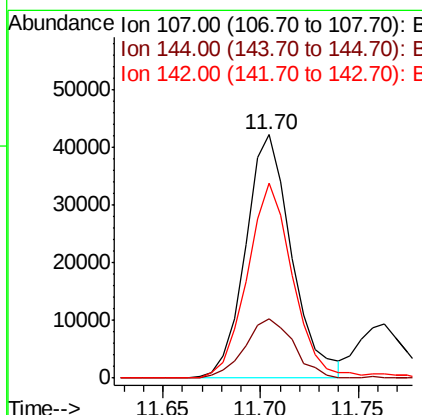
RT: 11.70 min Scan# 1482

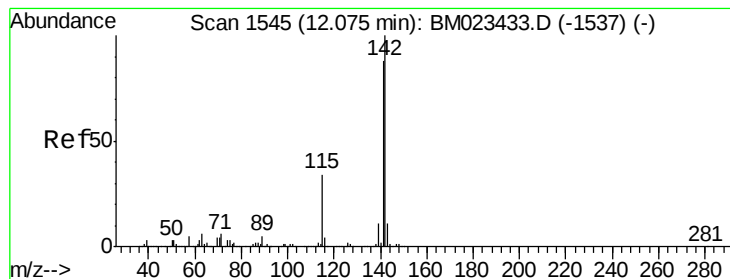
Delta R.T. -0.01 min

Lab File: BM023434.D

Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	24.1	20.7	31.1	
142	80.0	63.1	94.7	





#34

2-Methylnaphthalene

Concen: 2.466 ng/ul

RT: 12.07 min Scan# 1545

Delta R.T. -0.02 min

Lab File: BM023434.D

Acq: 29 Oct 2019 09:58

Instrument :

BNA_M

ClientSampleId :

BE4G5

Tot Ion:142 Resp: 173538

Ion Ratio Lower Upper

142 100

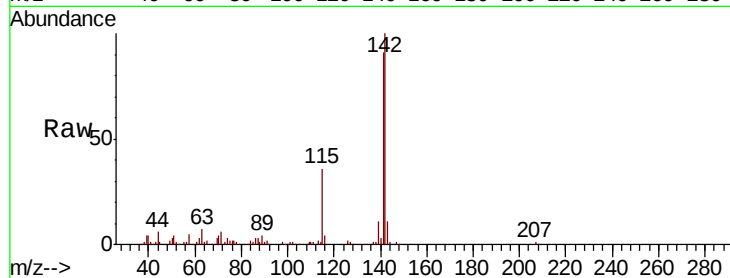
141 91.3 72.4 108.6

Manual Integrations

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.07

100000

80000

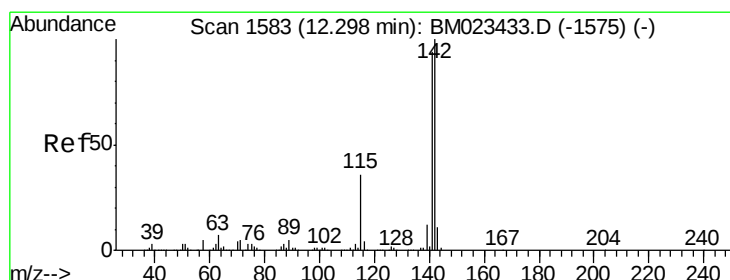
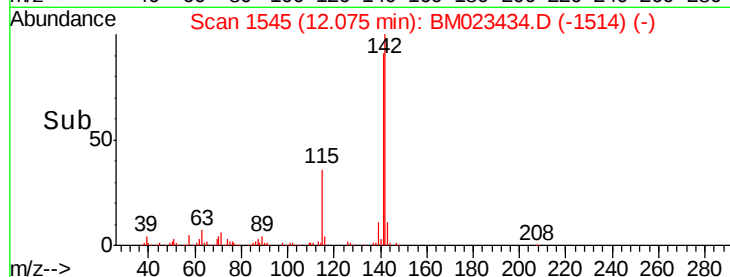
60000

40000

20000

0

Time-->



#35

1-Methylnaphthalene

Concen: 2.497 ng/ul

RT: 12.30 min Scan# 1583

Delta R.T. -0.02 min

Lab File: BM023434.D

Acq: 29 Oct 2019 09:58

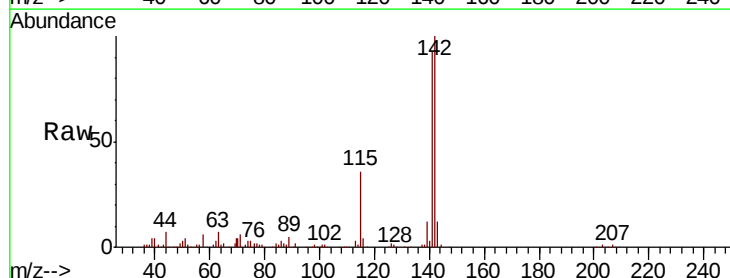
Tgt Ion:142 Resp: 169570

Ion Ratio Lower Upper

142 100

141 92.9 73.6 110.4

116 3.6 3.3 4.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

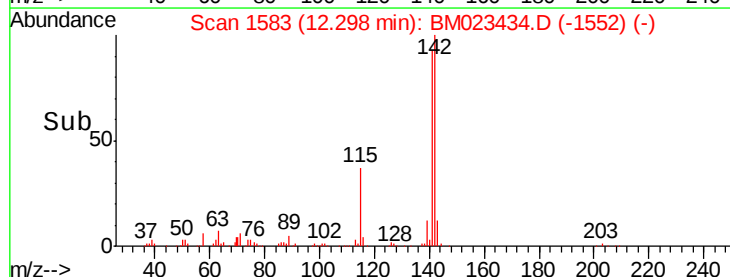
12.30

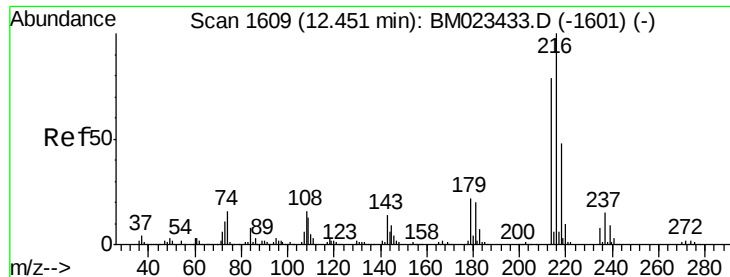
100000

50000

0

Time-->





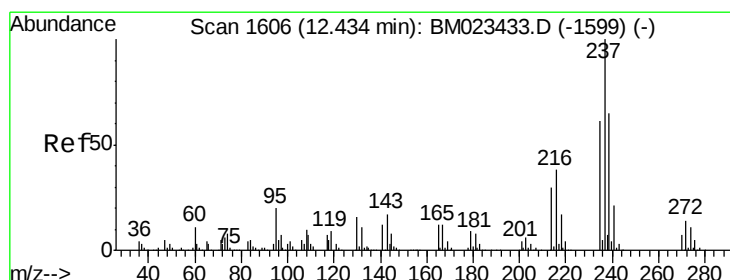
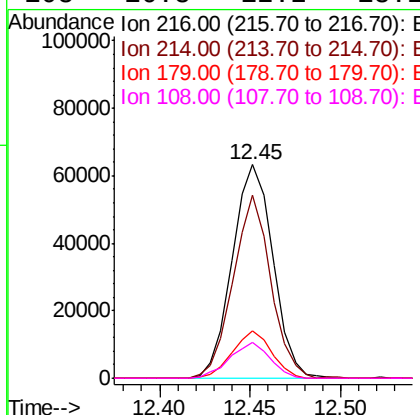
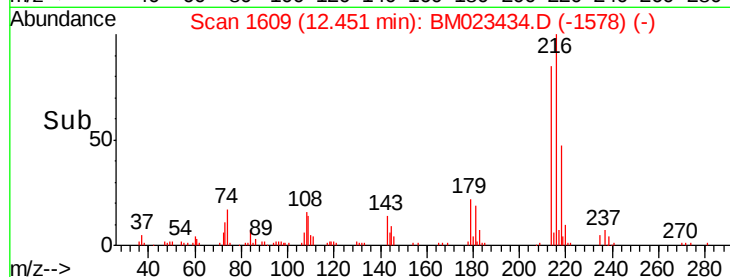
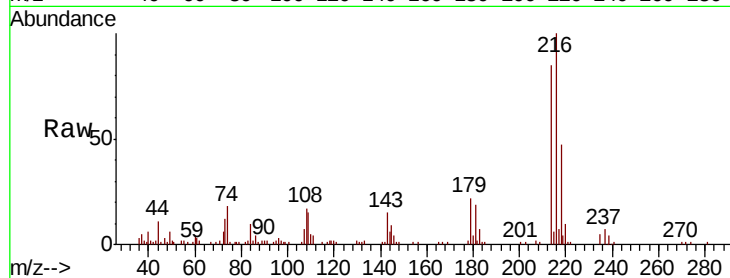
#37
 1,2,4,5-Tetrachlorobenzene
 Concen: 2.871 ng/ul
 RT: 12.45 min Scan# 1609
 Delta R.T. -0.02 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Instrument :
 BNA_M
 ClientSampleID :
 BE4G5

Tot Ion	Ratio	Lower	Upper
216	100		
214	85.4	62.3	93.5
179	22.1	16.5	24.7
108	16.8	12.2	18.2

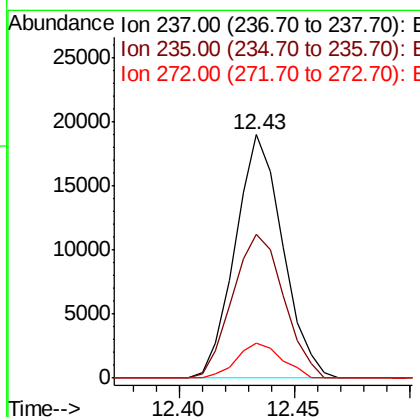
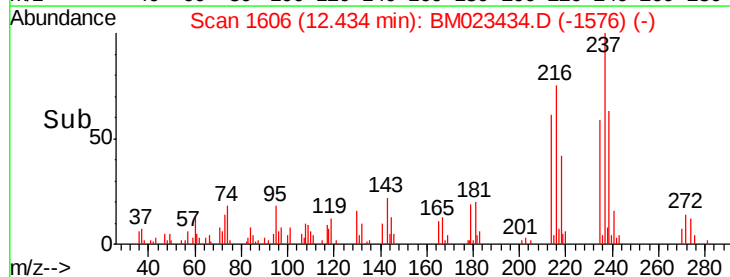
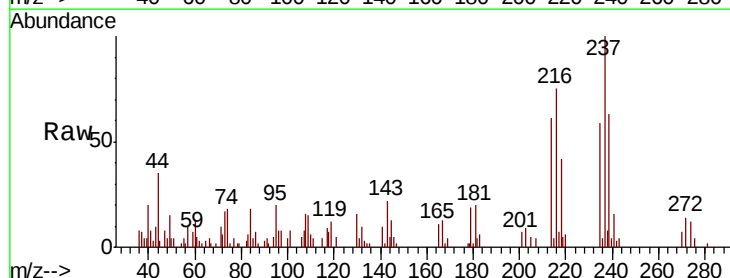
Manual Integrations
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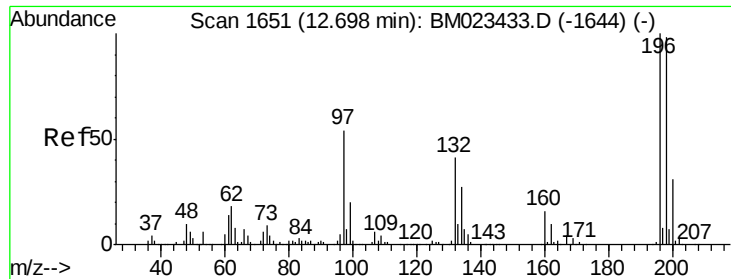
mohammad
 10/30/2019 4:54:01 PM



#38
 Hexachlorocyclopentadiene
 Concen: 1.191 ng/ul
 RT: 12.43 min Scan# 1606
 Delta R.T. -0.02 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Lower	Upper
237	100		
235	58.9	49.4	74.2
272	14.3	10.9	16.3





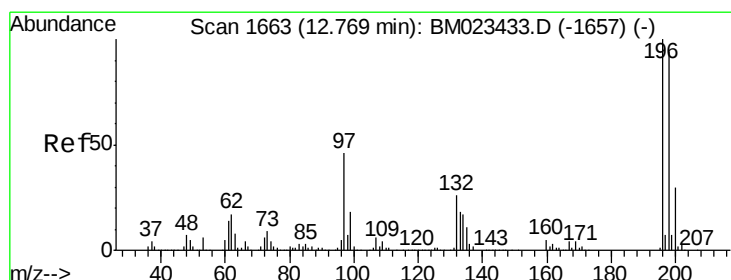
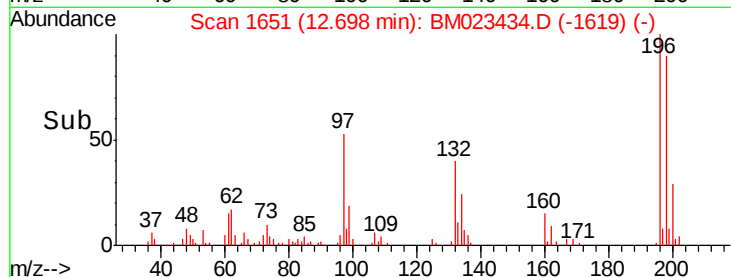
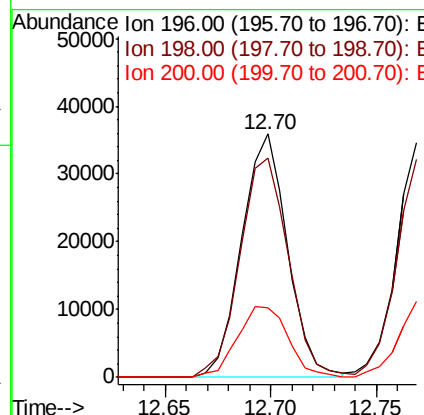
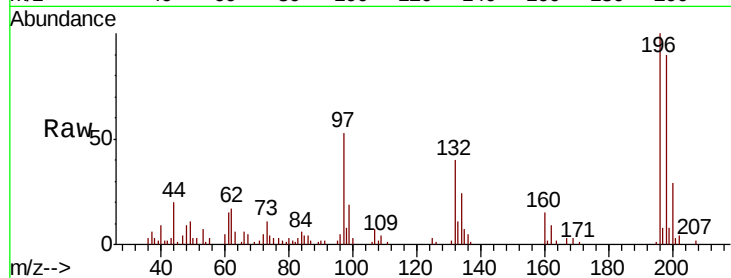
#39
 2,4,6-Trichlorophenol
 Concen: 2.410 ng/ul
 RT: 12.70 min Scan# 1651
 Delta R.T. -0.01 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Instrument :
 BNA_M
 ClientSampleId :
 BE4G5

Tot Ion	Ratio	Resp	Lower	Upper
196	100	54099		
198	89.9		77.5	116.3
200	28.6		24.4	36.6

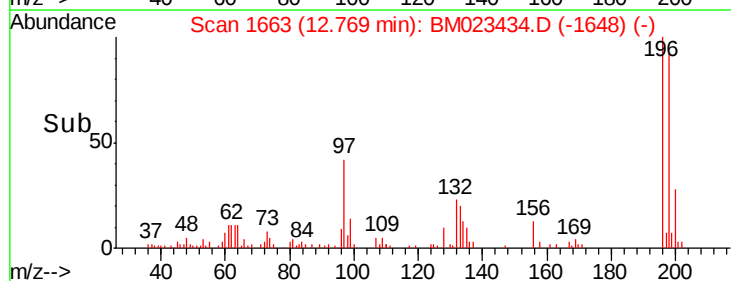
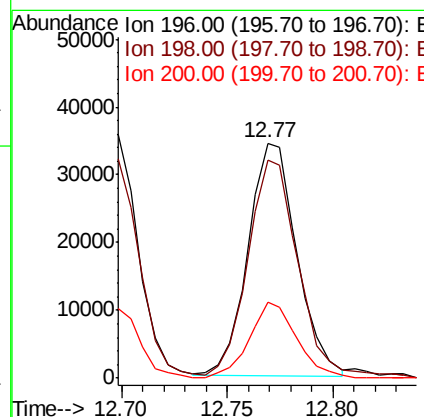
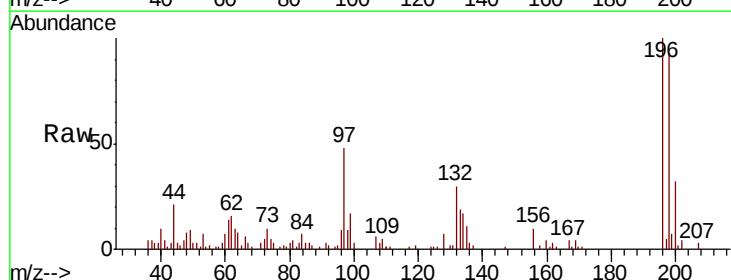
Manual Integrations
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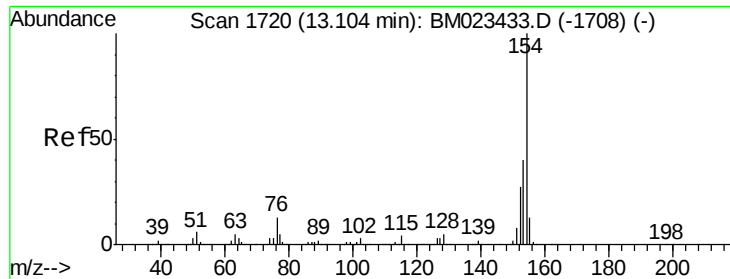
mohammad
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#40
 2,4,5-Trichlorophenol
 Concen: 2.282 ng/ul
 RT: 12.77 min Scan# 1663
 Delta R.T. -0.01 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	54945		
198	92.7		79.0	118.4
200	32.4		24.4	36.6





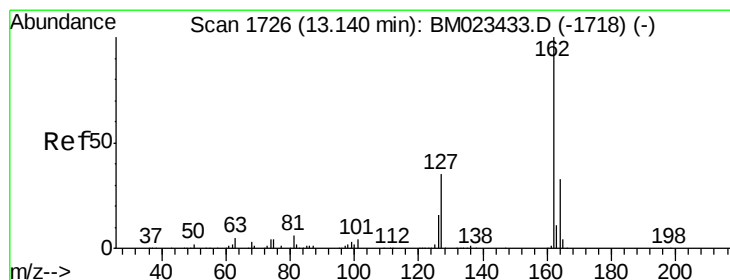
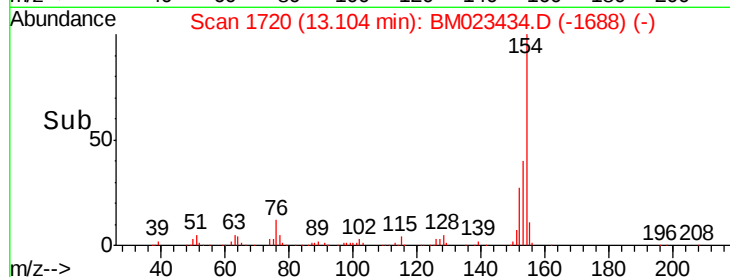
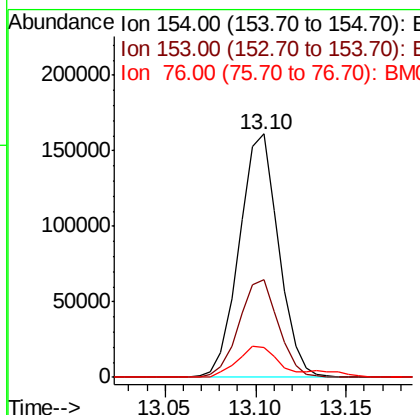
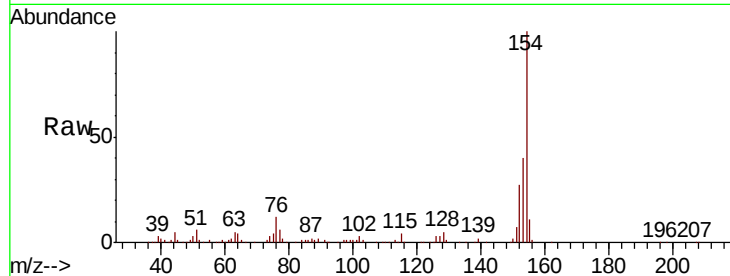
#41
 1,1'-Biphenyl
 Concen: 2.874 ng/ul
 RT: 13.10 min Scan# 1720
 Delta R.T. -0.01 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Instrument :
 BNA_M
 ClientSampleId :
 BE4G5

Tot Ion	Ratio	Resp	Lower	Upper
154	100	243134		
153	40.1		32.6	49.0
76	12.3		10.2	15.2

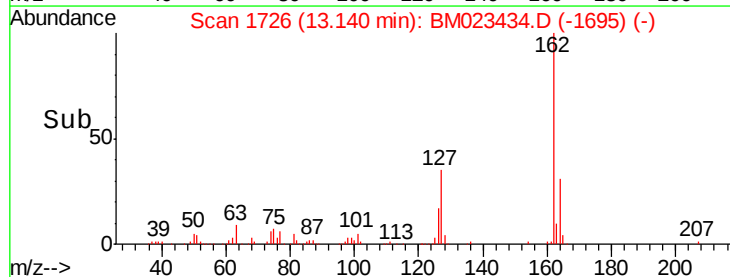
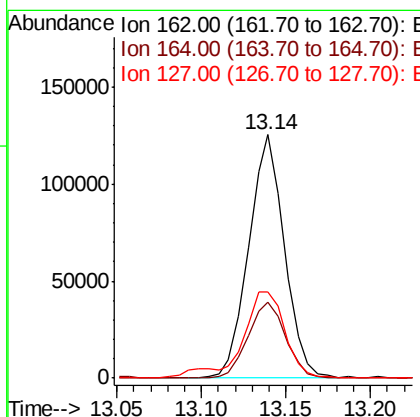
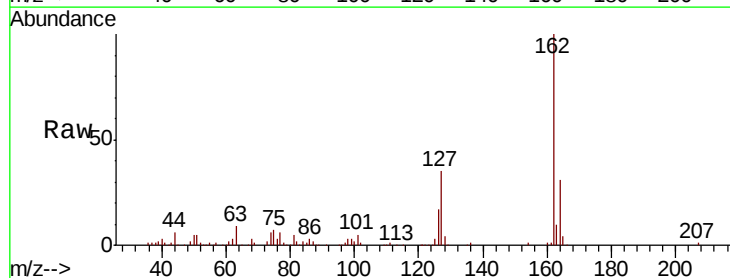
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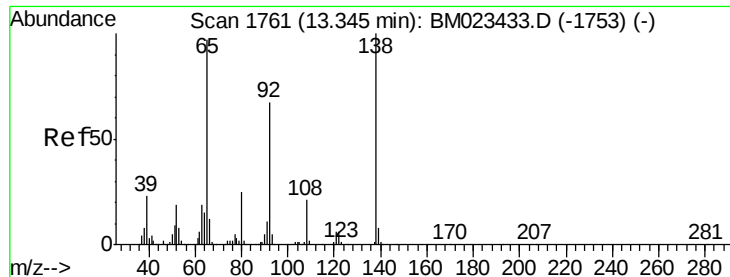
mohammad
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#42
 2-Chloronaphthalene
 Concen: 2.858 ng/ul
 RT: 13.14 min Scan# 1726
 Delta R.T. -0.02 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	184239		
164	31.1		26.7	40.1
127	35.3		30.2	45.4





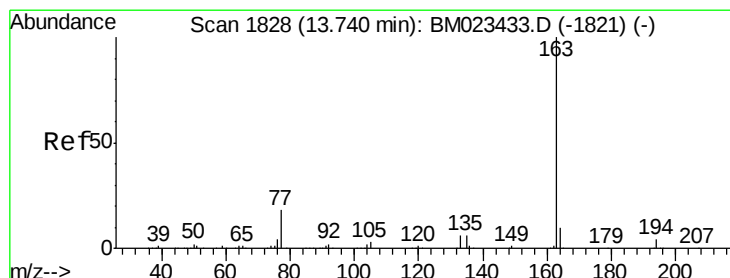
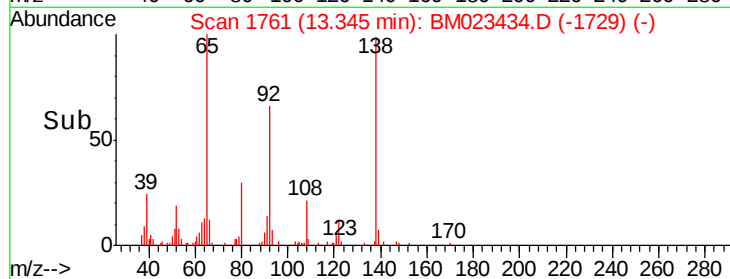
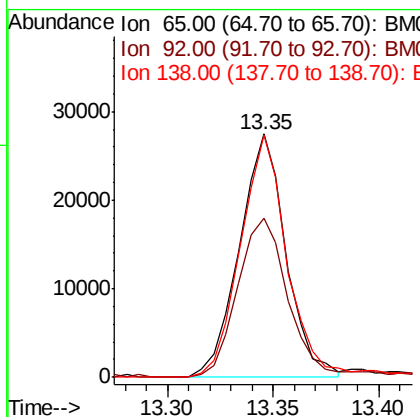
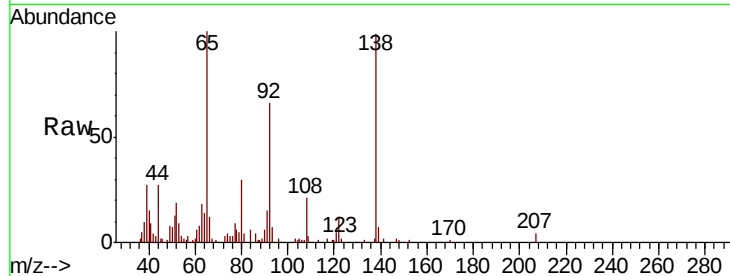
#43
2-Nitroaniline
Concen: 2.345 ng/ul
RT: 13.35 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampleId :
BE4G5

Tot Ion	Ratio	Lower	Upper
65	100		
92	65.5	56.1	84.1
138	99.4	83.8	125.6

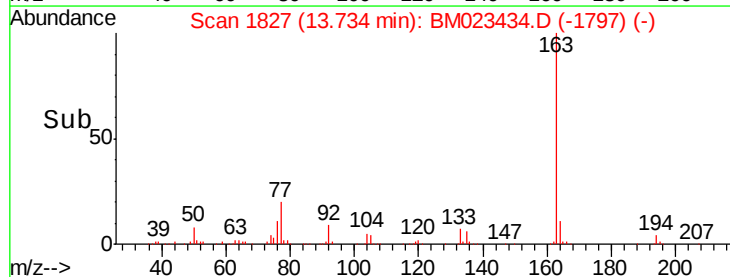
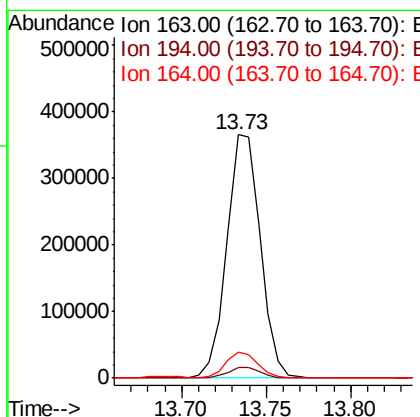
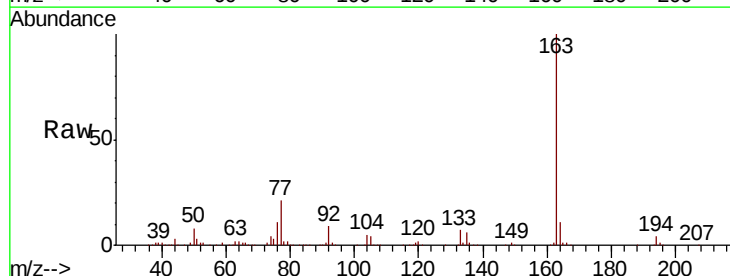
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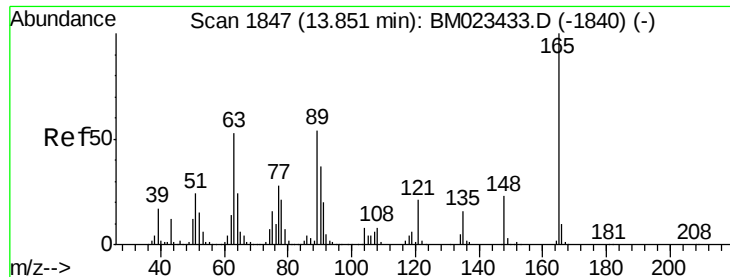
mohammad
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#45
Dimethylphthalate
Concen: 6.067 ng/ul
RT: 13.73 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.8	7.9	11.9





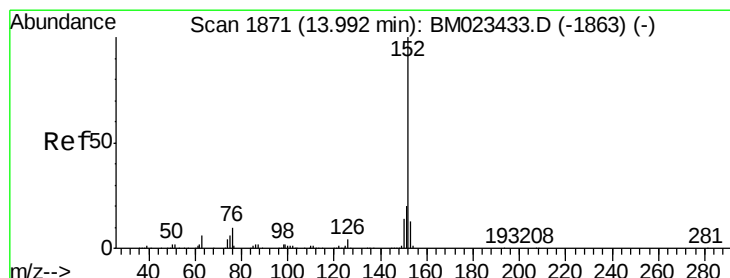
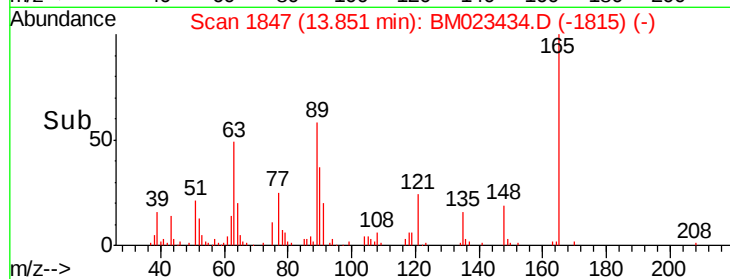
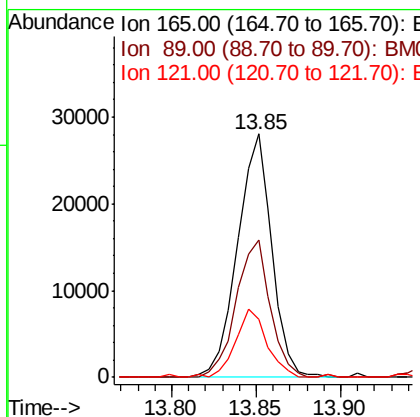
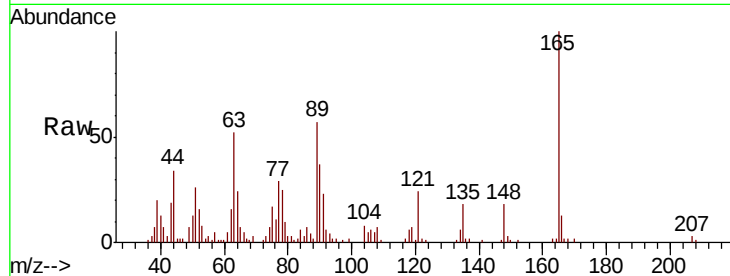
#46
 2,6-Dinitrotoluene
 Concen: 2.398 ng/ul
 RT: 13.85 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Instrument :
 BNA_M
 ClientSampleId :
 BE4G5

Tot Ion	Ratio	Resp Lower	Upper
165	100		
89	56.7	44.3	66.5
121	24.0	16.4	24.6

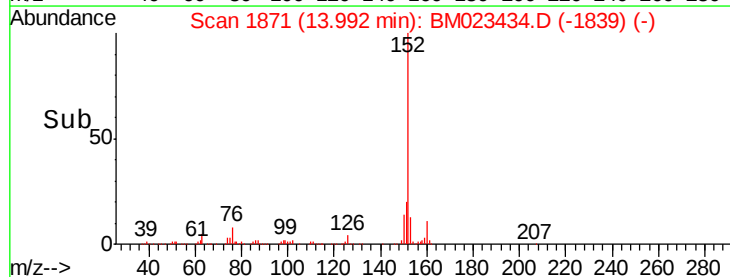
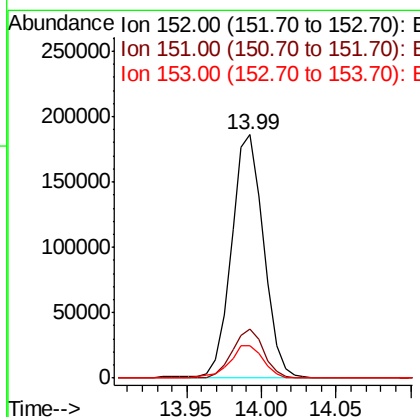
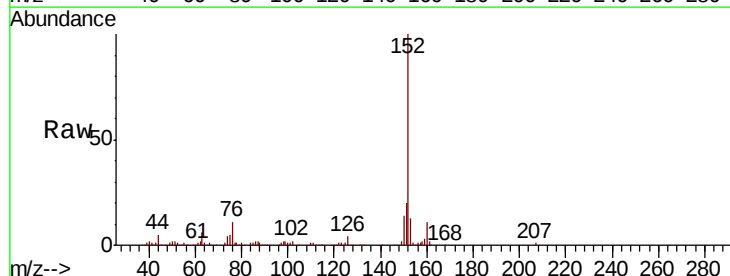
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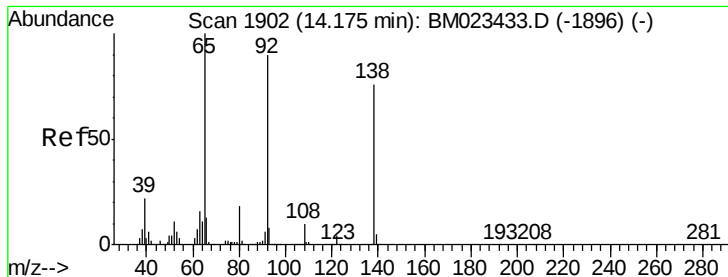
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#48
 Acenaphthylene
 Concen: 2.837 ng/ul
 RT: 13.99 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	19.9	16.2	24.2
153	13.3	10.4	15.6





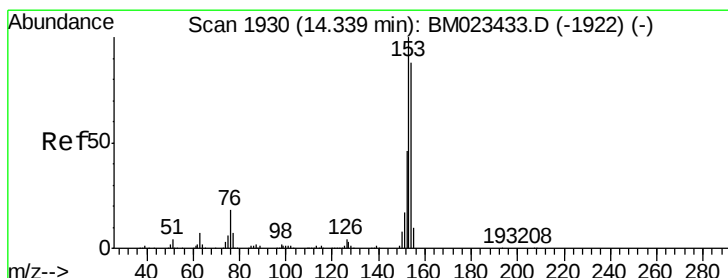
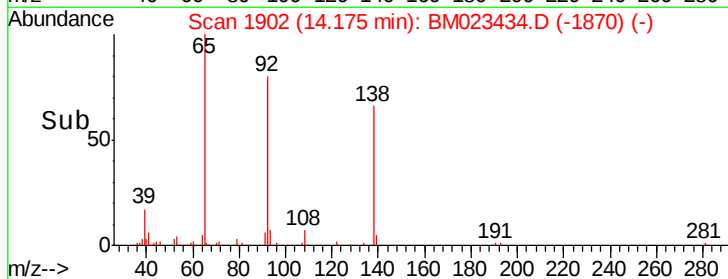
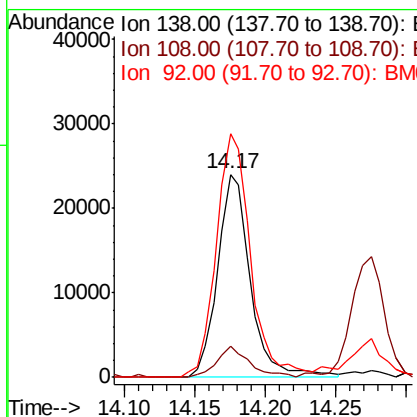
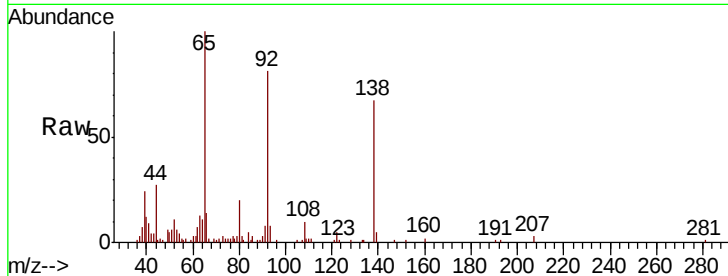
#49
3-Nitroaniline
Concen: 2.615 ng/ul
RT: 14.17 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampleId :
BE4G5

Tot Ion	Ratio	Lower	Upper
138	100		
108	15.5	9.4	14.0#
92	119.9	98.9	148.3

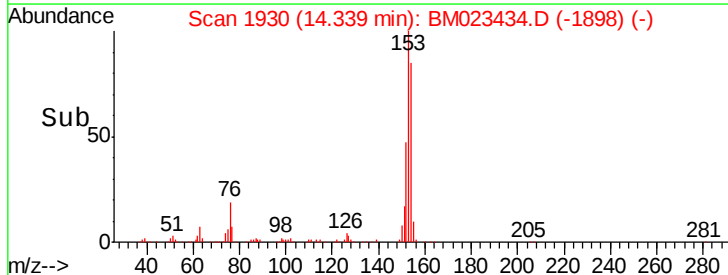
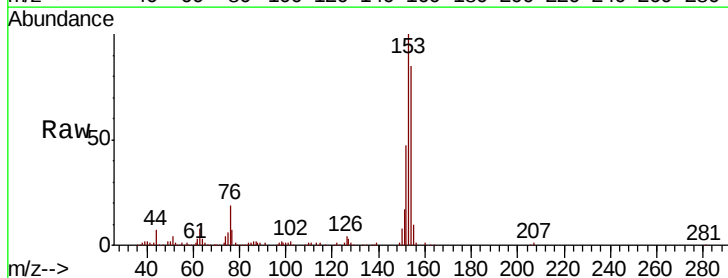
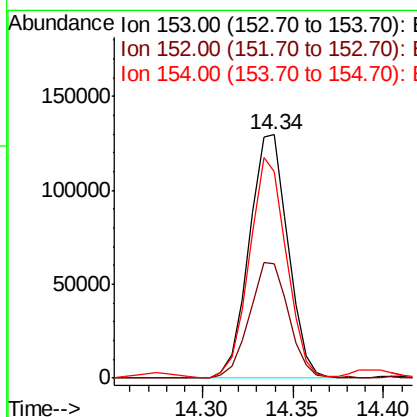
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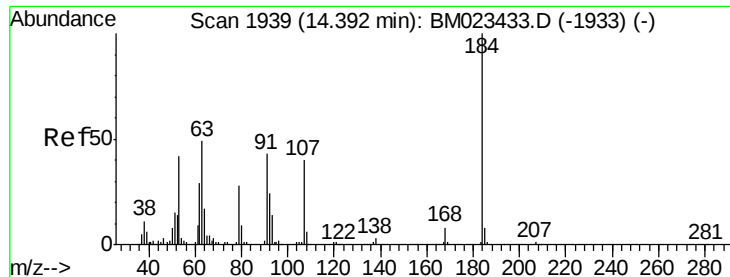
mohammad
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#50
Acenaphthene
Concen: 2.782 ng/ul
RT: 14.34 min Scan# 1930
Delta R.T. -0.01 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.1	37.9	56.9
154	84.9	70.6	106.0





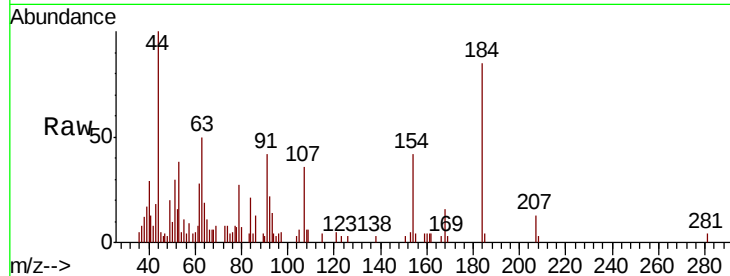
#51
 2,4-Dinitrophenol
 Concen: 1.244 ng/ul
 RT: 14.39 min Scan# 1939
 Delta R.T. -0.01 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Instrument :
 BNA_M
 ClientSampleId :
 BE4G5

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	58.7	50.0	75.0	
154	50.1	52.3	78.5	

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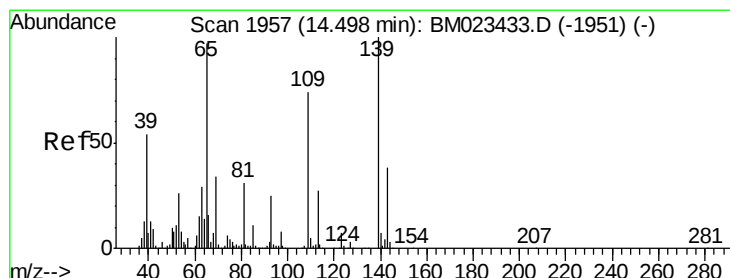
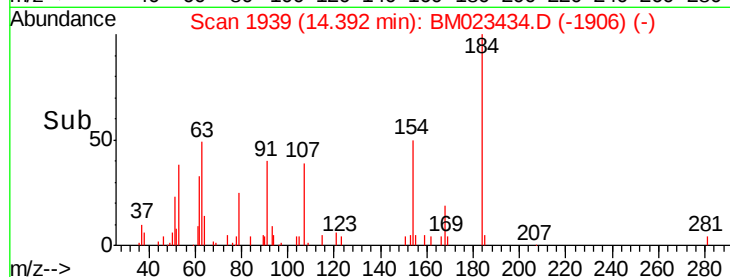
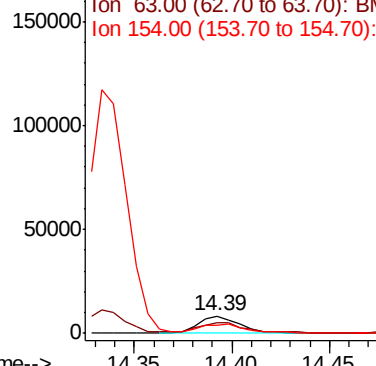


Abundance

Ion 184.00 (183.70 to 184.70): E

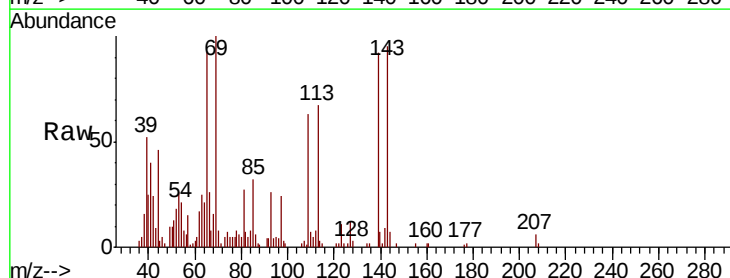
Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E



#53
 4-Nitrophenol
 Concen: 2.043 ng/ul
 RT: 14.50 min Scan# 1958
 Delta R.T. -0.01 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
109	100			
139	147.0	107.1	160.7	
65	148.9	100.0	150.0	

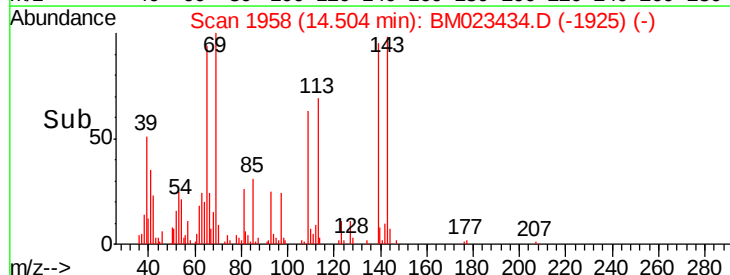
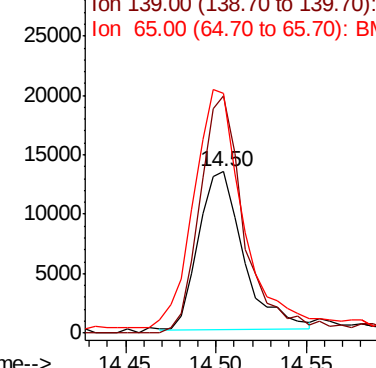


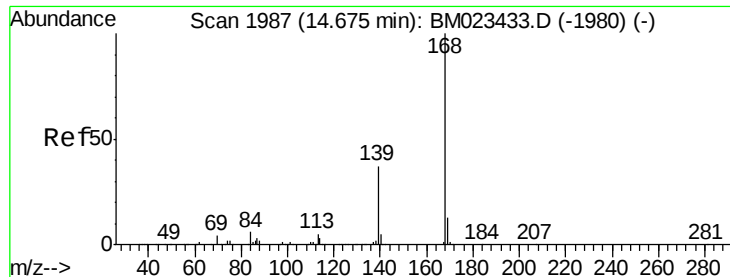
Abundance

Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM





#54

Dibenzenofuran

Concen: 2.741 ng/ul

RT: 14.67 min Scan# 1987

Delta R.T. -0.02 min

Lab File: BM023434.D

Acq: 29 Oct 2019 09:58

Instrument :

BNA_M

ClientSampleId :

BE4G5

Tot Ion:168 Resp: 271655

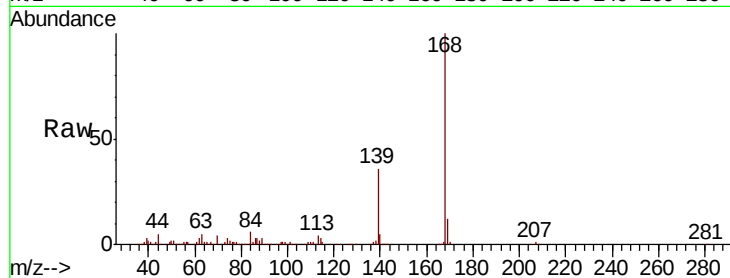
Ion Ratio Lower Upper

168 100

139 36.0 29.7 44.5

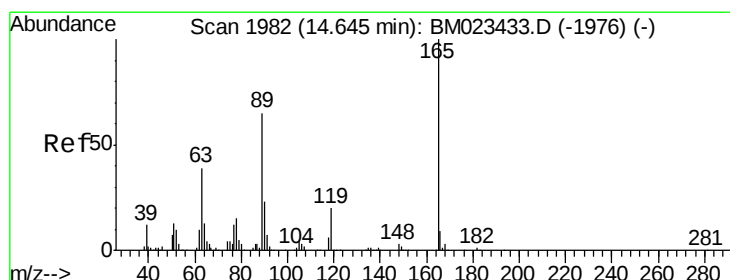
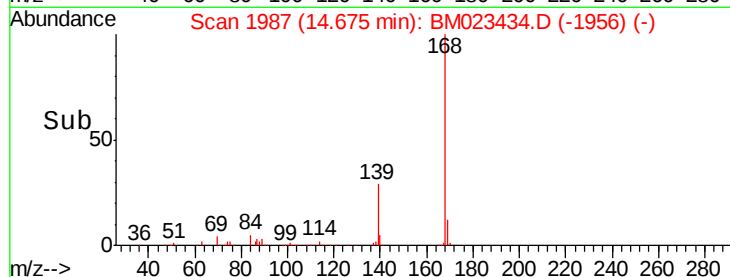
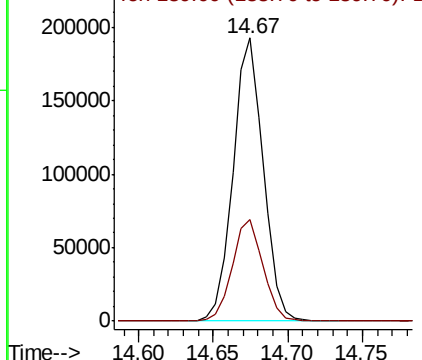
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#55

2,4-Dinitrotoluene

Concen: 2.121 ng/ul

RT: 14.65 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BM023434.D

Acq: 29 Oct 2019 09:58

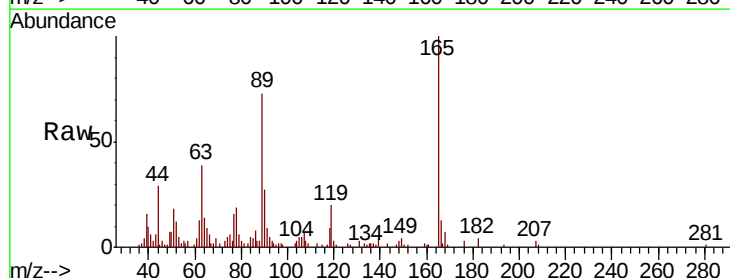
Tgt Ion:165 Resp: 50669

Ion Ratio Lower Upper

165 100

63 39.2 30.9 46.3

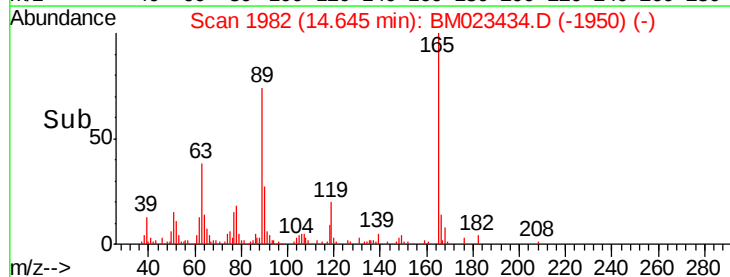
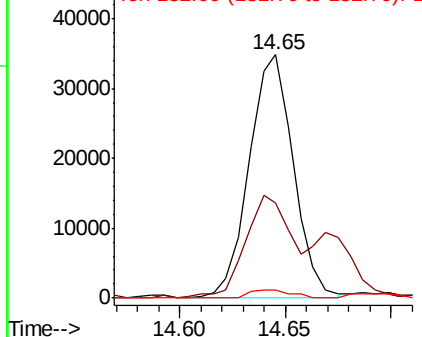
182 3.6 2.5 3.7

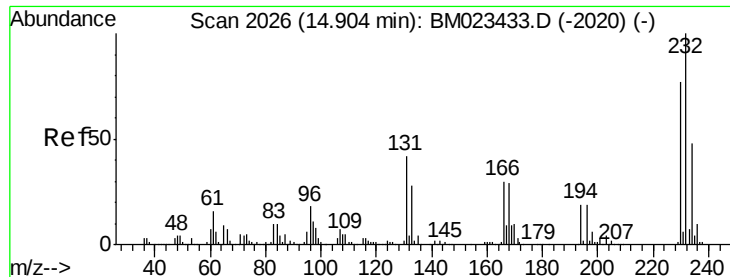


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E





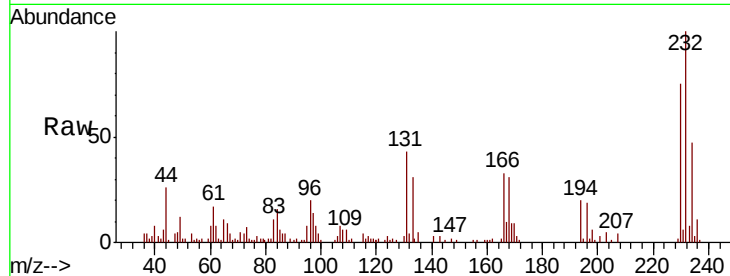
#56
 2,3,4,6-Tetrachlorophenol
 Concen: 2.361 ng/ul m
 RT: 14.90 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Instrument :
 BNA_M
 ClientSampleId :
 BE4G5

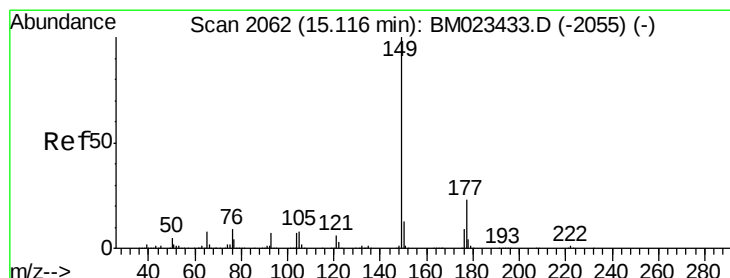
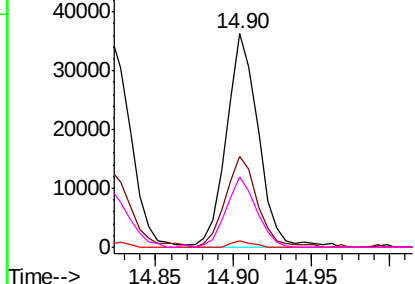
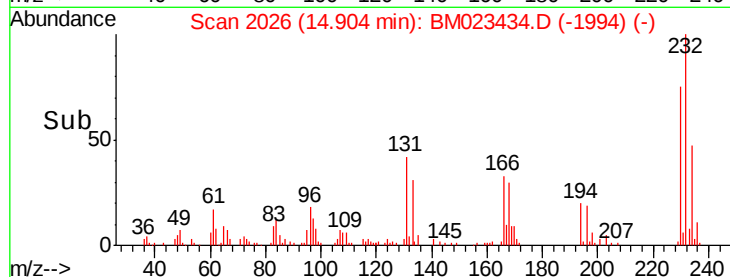
Tot Ion:	232	Resp:	51870
Ion Ratio	Lower	Upper	
232	100		
131	42.6	35.3	52.9
130	2.9	1.8	2.8#
166	32.9	25.2	37.8

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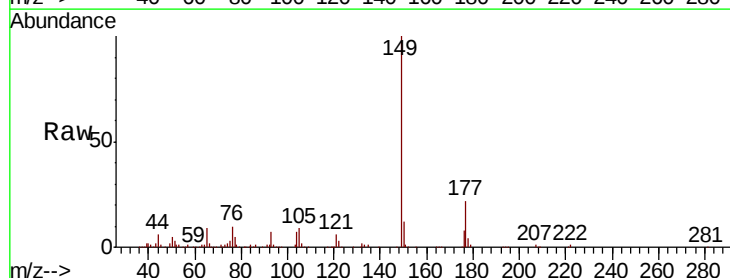


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

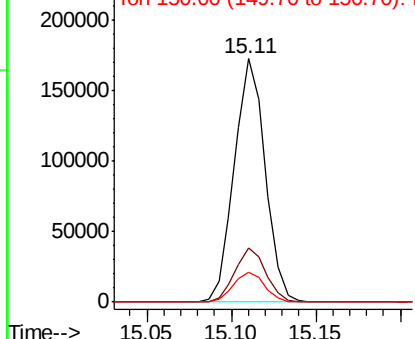
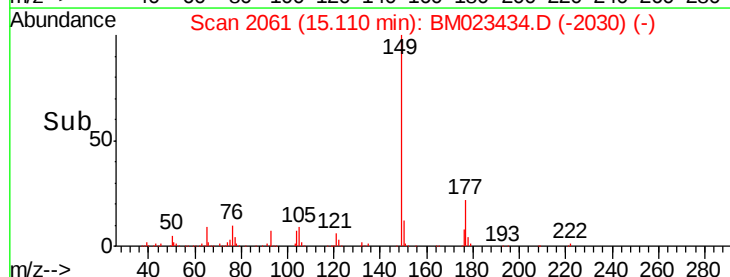


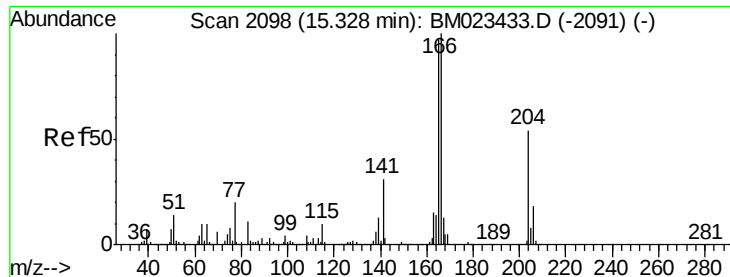
#57
 Diethylphthalate
 Concen: 2.637 ng/ul
 RT: 15.11 min Scan# 2061
 Delta R.T. -0.02 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Tgt Ion:	149	Resp:	221272
Ion Ratio	Lower	Upper	
149	100		
177	22.0	18.1	27.1
150	12.2	10.3	15.5



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





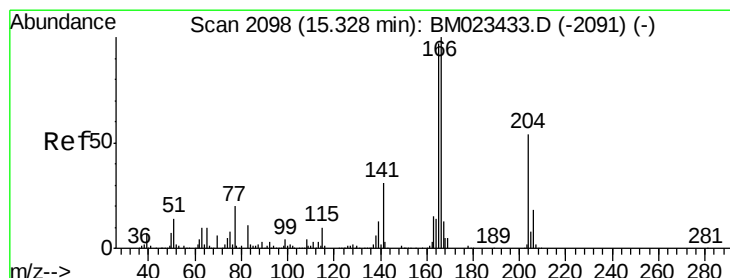
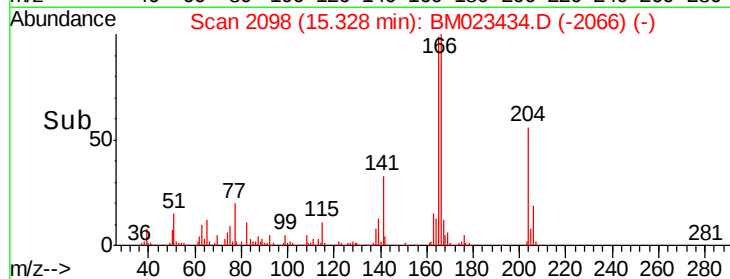
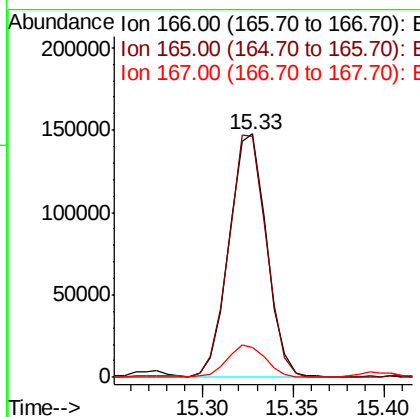
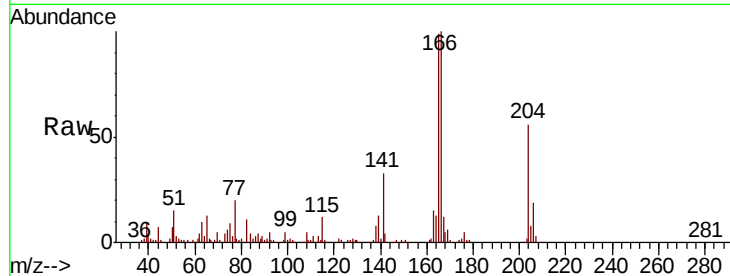
#59
Fluorene
 Concen: 2.623 ng/ul
 RT: 15.33 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Instrument :
 BNA_M
 ClientSampleId :
 BE4G5

Tot Ion:	166	Resp:	211957
Ion Ratio		Lower	Upper
166	100		
165	98.8	77.8	116.6
167	12.3	10.8	16.2

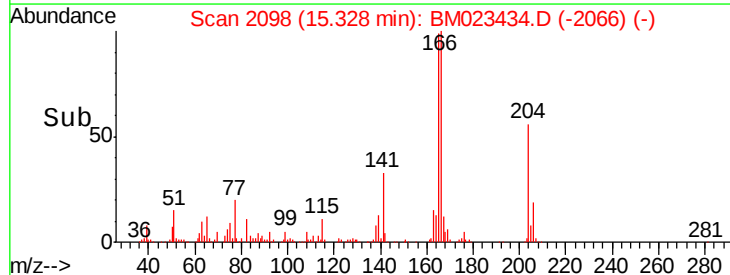
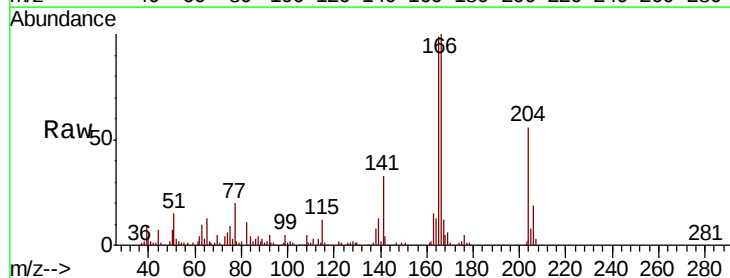
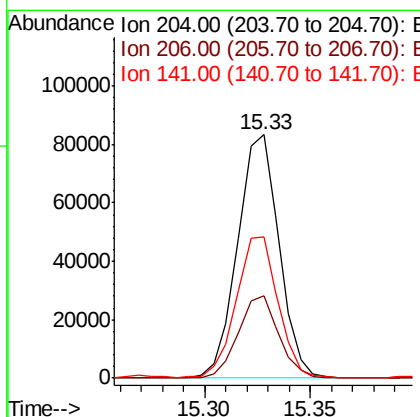
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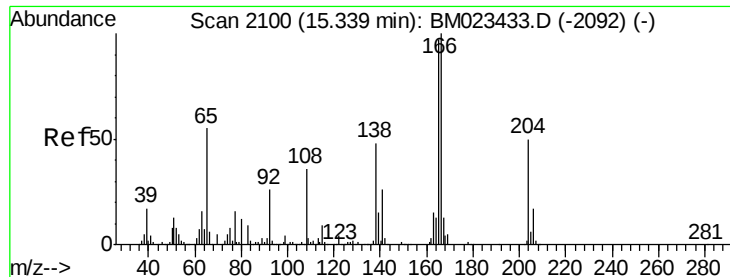
mohammad
 10/30/2019 4:54:01 PM



#60
4-Chlorophenyl-phenylether
 Concen: 2.657 ng/ul
 RT: 15.33 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Tgt Ion:	204	Resp:	113463
Ion Ratio		Lower	Upper
204	100		
206	34.0	26.6	40.0
141	58.2	46.1	69.1





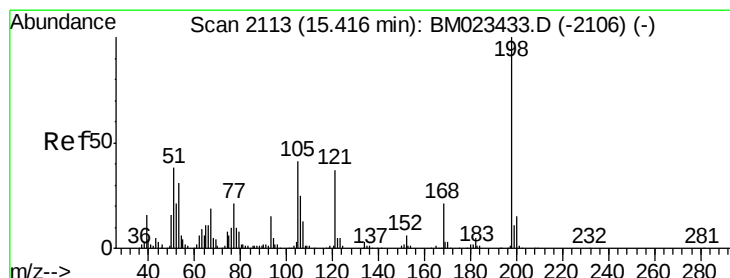
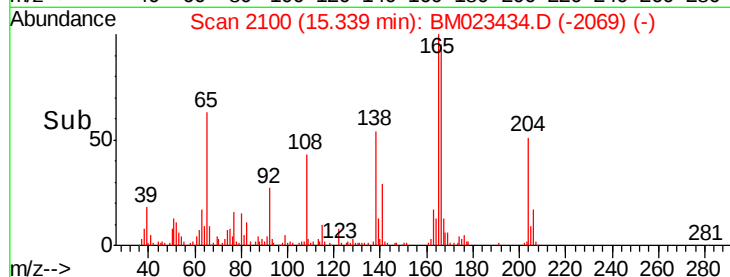
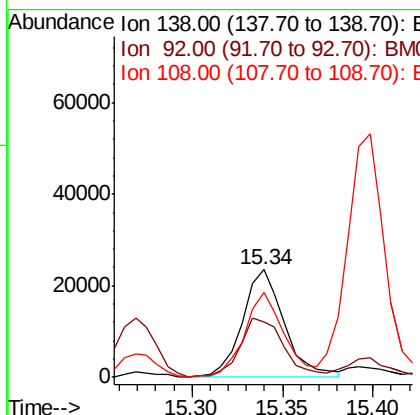
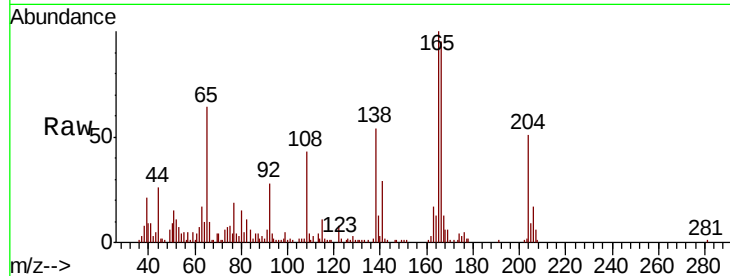
#61
4-Nitroaniline
Concen: 2.289 ng/ul
RT: 15.34 min Scan# 2100
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampled :
BE4G5

Tot Ion	Ratio	Resp	Lower	Upper
138	100	38038		
92	51.4		41.4	62.0
108	79.0		63.0	94.6

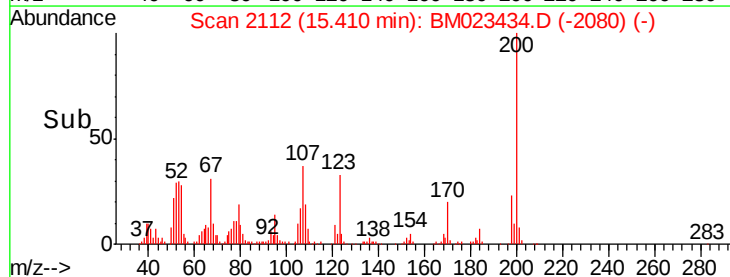
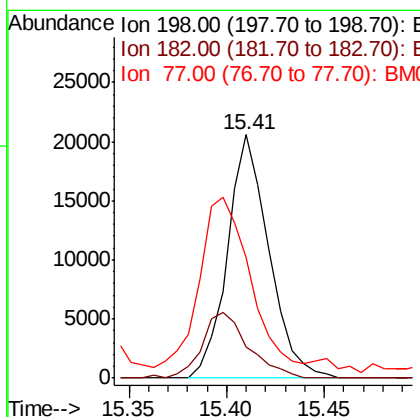
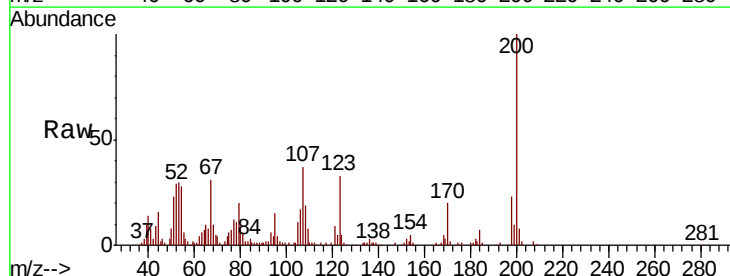
Manual Integrations
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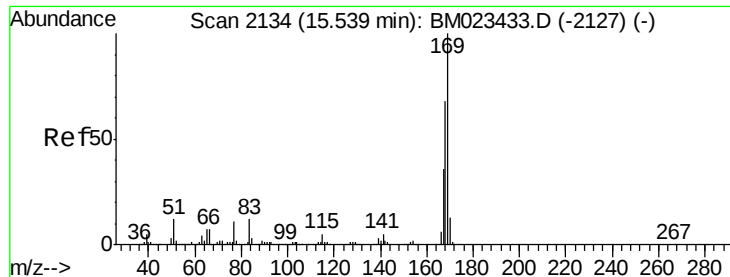
mohammad
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#64
4,6-Dinitro-2-methylphenol
Concen: 1.994 ng/ul
RT: 15.41 min Scan# 2112
Delta R.T. -0.01 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	30252		
182	12.6		3.1	4.7#
77	49.3		19.1	28.7#





#65

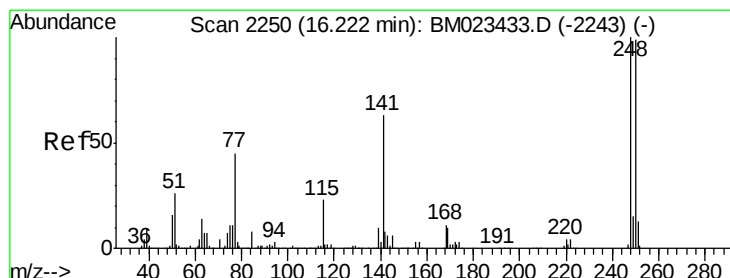
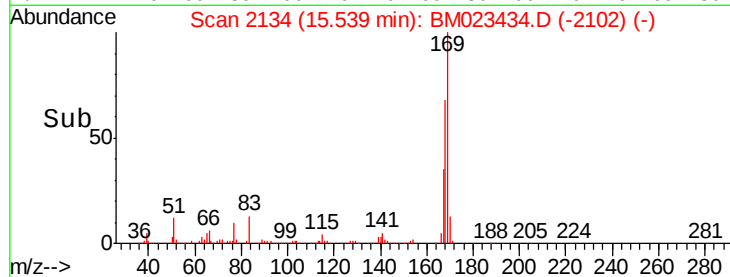
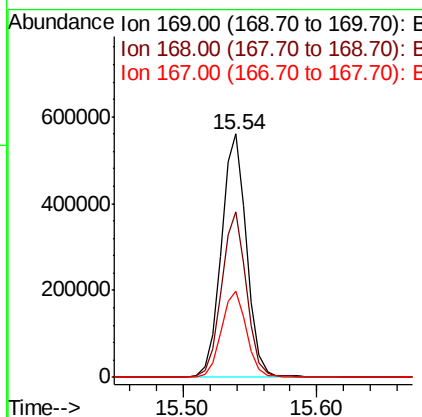
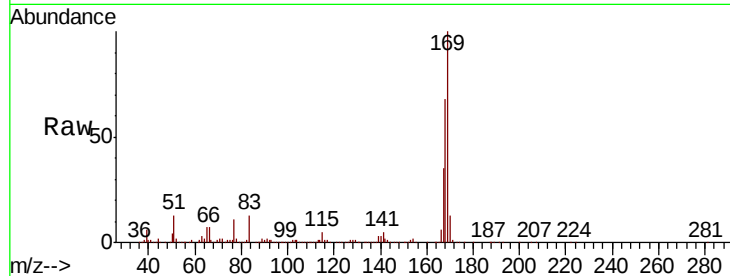
N-Nitrosodiphenylamine
 Concen: 10.648 ng/ul
 RT: 15.54 min Scan# 2134
 Delta R.T. -0.01 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Instrument :
 BNA_M
 ClientSampled :
 BE4G5

Tot Ion	Ratio	Resp	Lower	Upper
169	100	745299		
168	68.1		53.6	80.4
167	35.2		29.0	43.4

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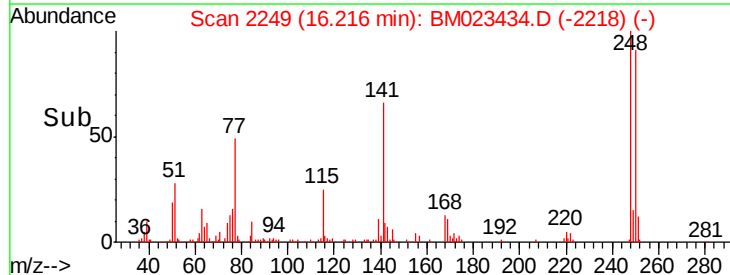
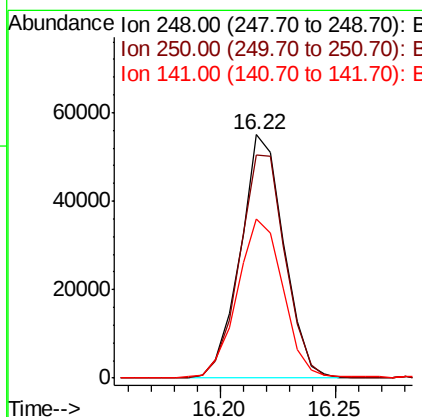
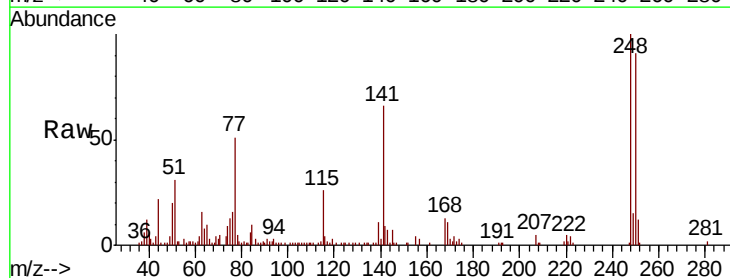
mohammad
 10/30/2019 4:54:01 PM

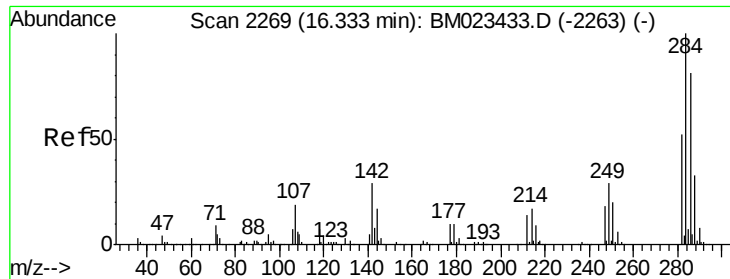


#66

4-Bromophenyl-phenylether
 Concen: 2.554 ng/ul
 RT: 16.22 min Scan# 2249
 Delta R.T. -0.02 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	72344		
250	91.5		77.4	116.2
141	65.6		52.4	78.6





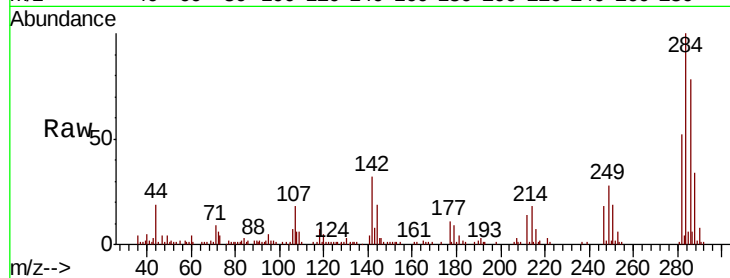
#67
Hexachlorobenzene
Concen: 2.740 ng/ul
RT: 16.33 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampled :
BE4G5

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	32.1	23.5	35.3	
249	28.4	23.4	35.2	

Manual Integrations
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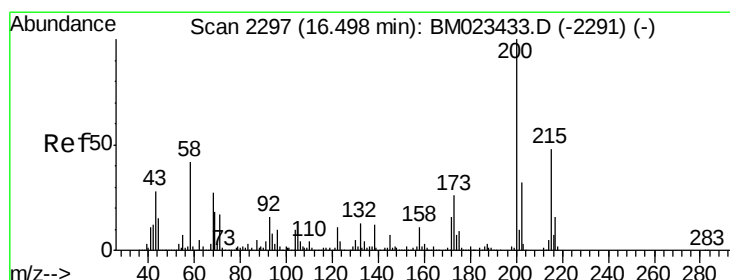
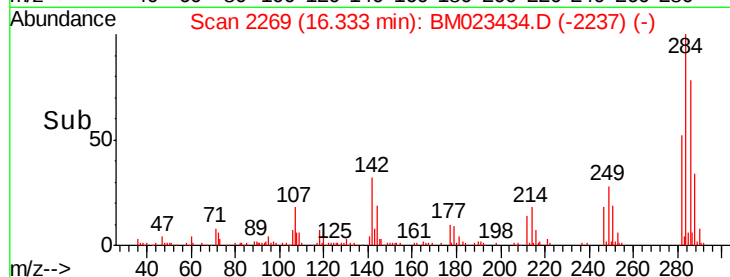
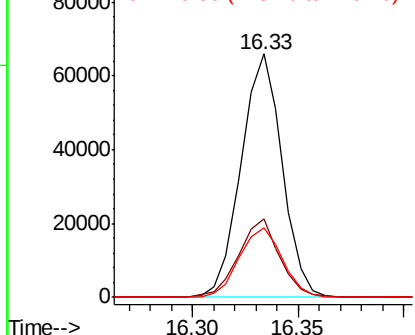


Abundance

Ion 284.00 (283.70 to 284.70): E

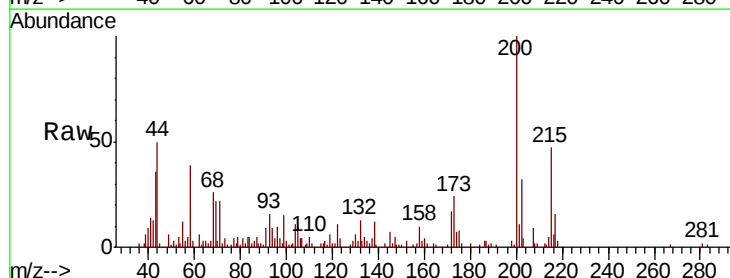
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68
Atrazine
Concen: 1.806 ng/ul
RT: 16.50 min Scan# 2297
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	24.4	20.2	30.4	
215	47.0	39.2	58.8	

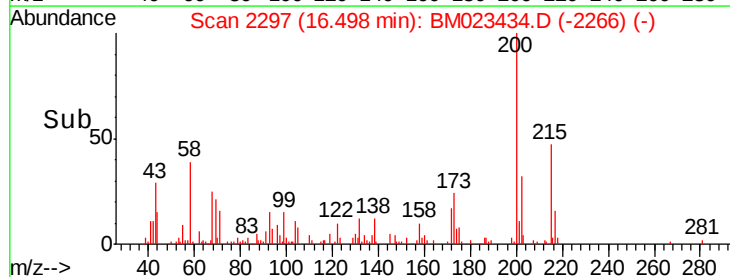
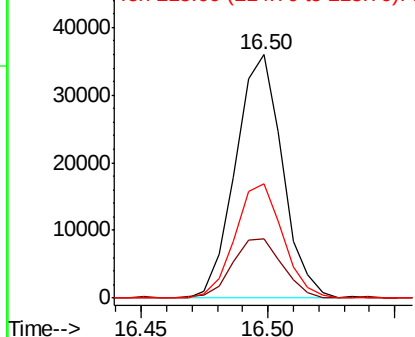


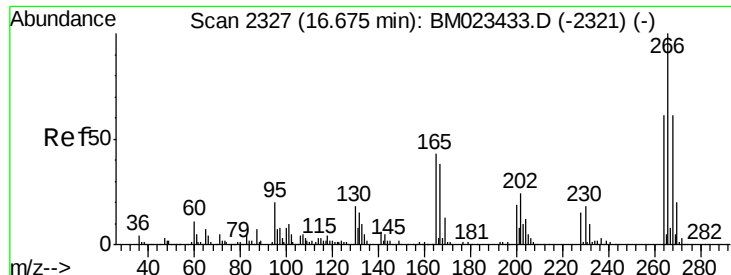
Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





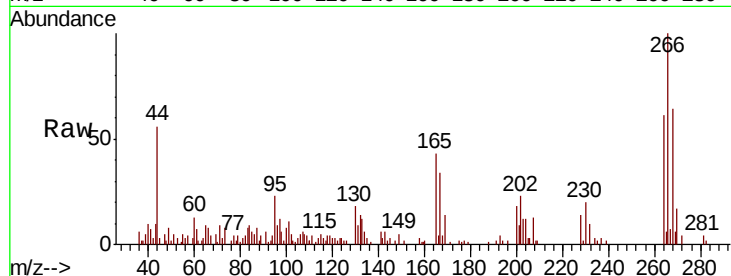
#69
 Pentachlorophenol
 Concen: 1.883 ng/ul
 RT: 16.67 min Scan# 2327
 Delta R.T. -0.01 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Instrument :
 BNA_M
 ClientSampleId :
 BE4G5

Tot Ion	Ratio	Lower	Upper
266	100		
264	61.0	49.4	74.2
268	64.3	50.4	75.6

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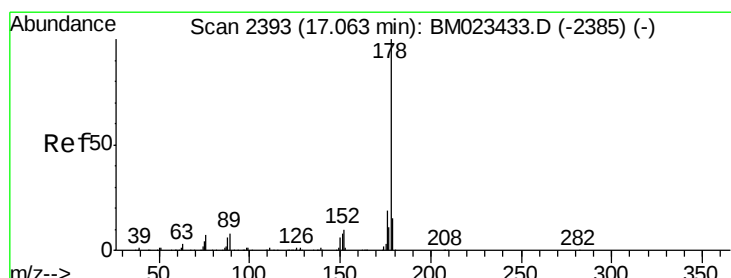
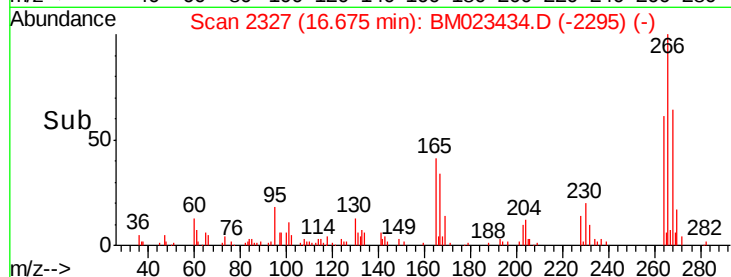
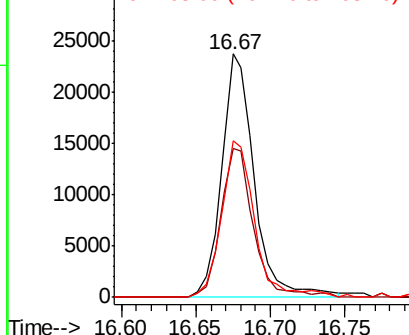


Abundance

Ion 265.70 (265.40 to 266.40): E

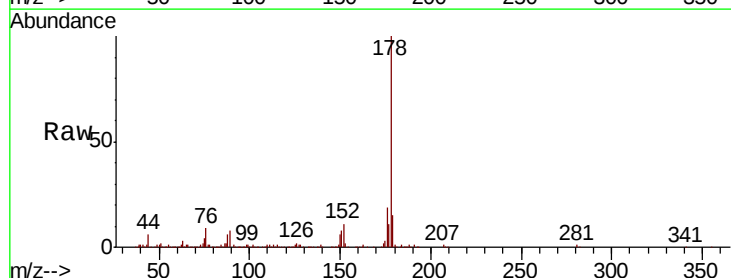
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#70
 Phenanthrene
 Concen: 2.761 ng/ul
 RT: 17.06 min Scan# 2393
 Delta R.T. -0.01 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	19.0	14.9	22.3

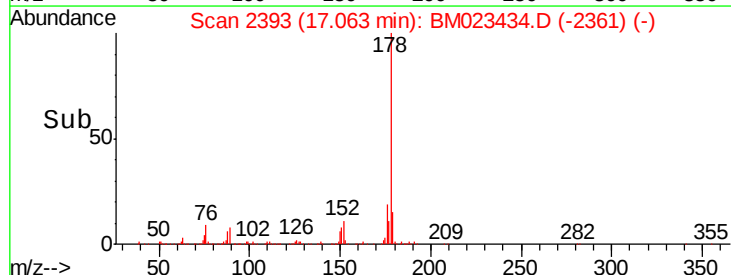
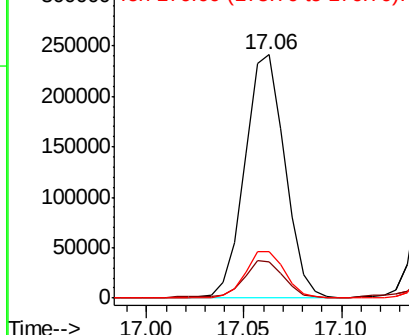


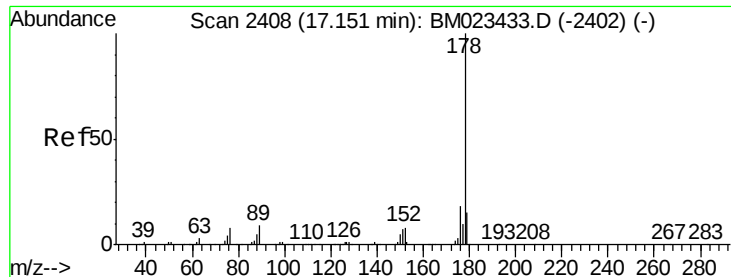
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





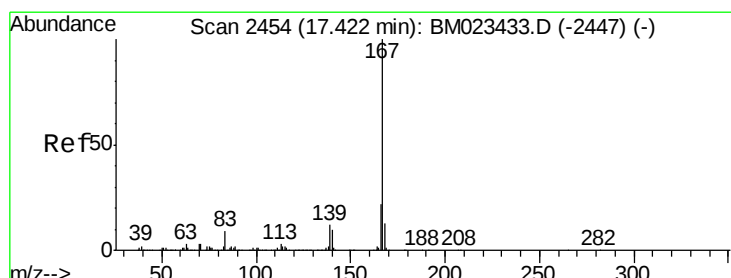
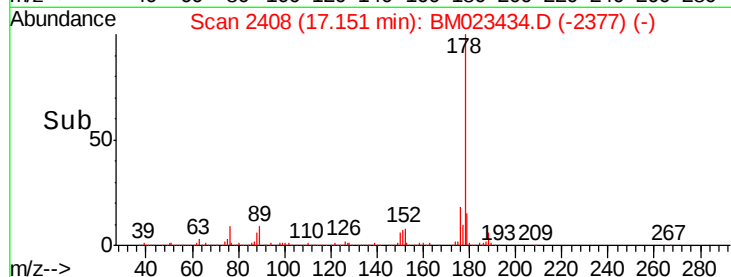
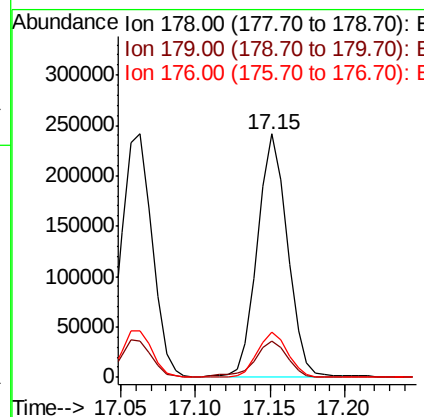
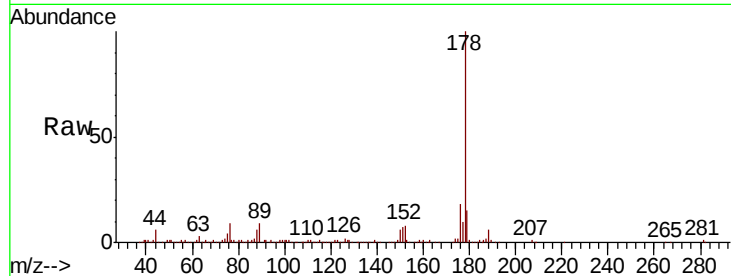
#72
 Anthracene
 Concen: 2.654 ng/ul
 RT: 17.15 min Scan# 2408
 Delta R.T. -0.02 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Instrument :
 BNA_M
 ClientSampleId :
 BE4G5

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.1	18.1
176	18.4	14.4	21.6

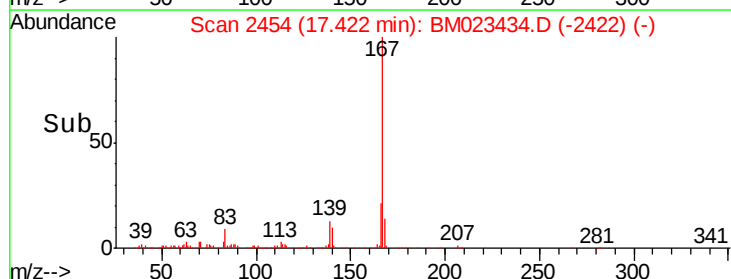
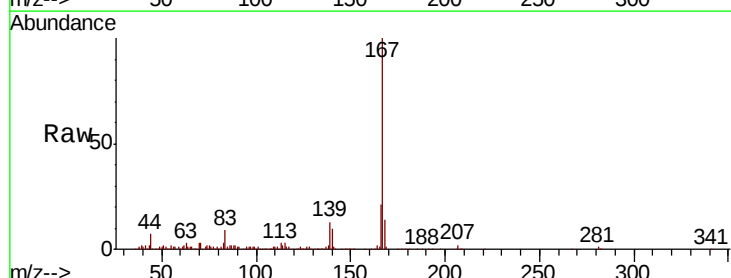
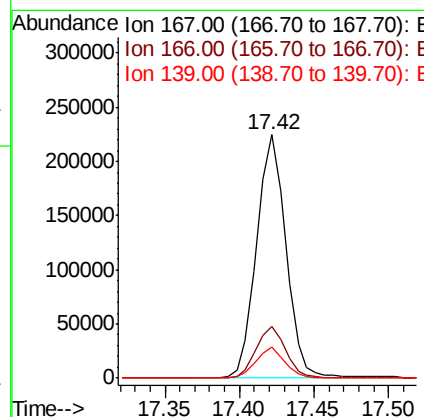
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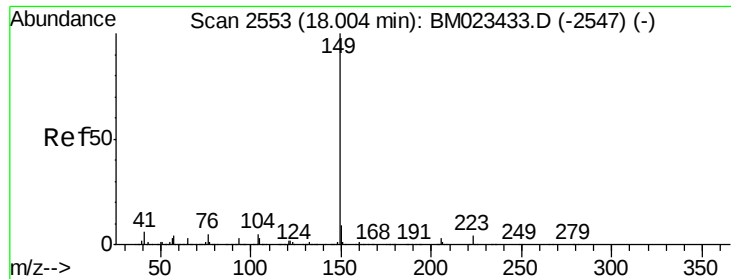
mohammad
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#75
 Carbazole
 Concen: 2.885 ng/ul
 RT: 17.42 min Scan# 2454
 Delta R.T. -0.01 min
 Lab File: BM023434.D
 Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.1	25.7
139	12.8	10.0	15.0





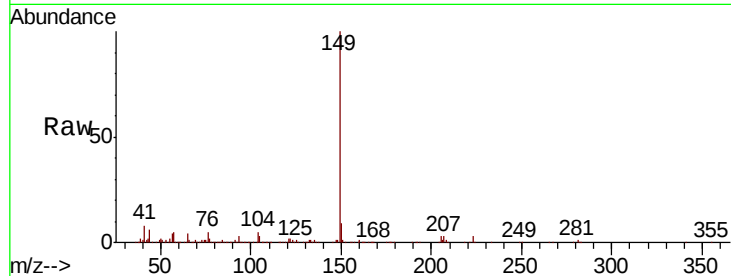
#76
Di-n-butylphthalate
Concen: 2.759 ng/ul
RT: 18.00 min Scan# 2553
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampleId :
BE4G5

Tot Ion	Ratio	Resp	Lower	Upper
149	100	366749		
150	8.8		7.2	10.8
104	5.0		3.9	5.9

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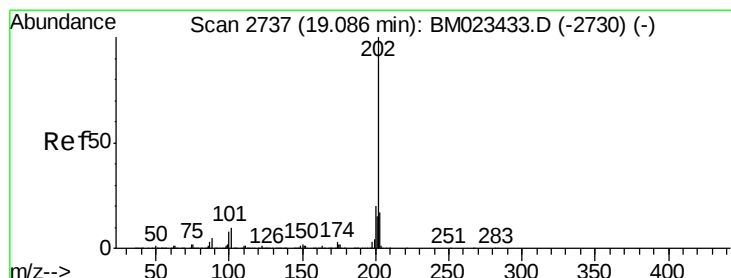
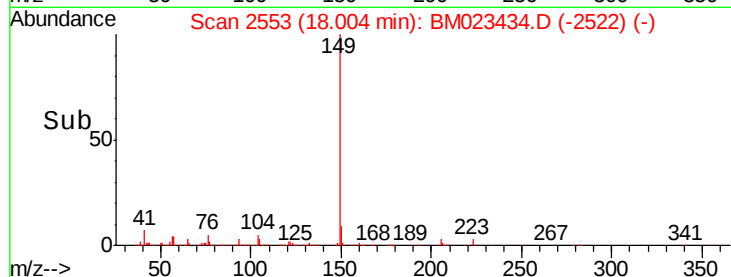
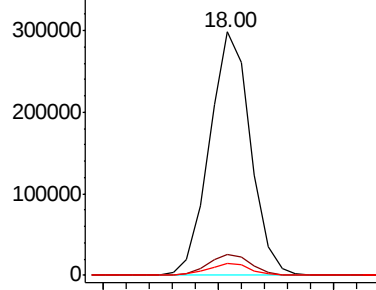


Abundance

Ion 149.00 (148.70 to 149.70): E

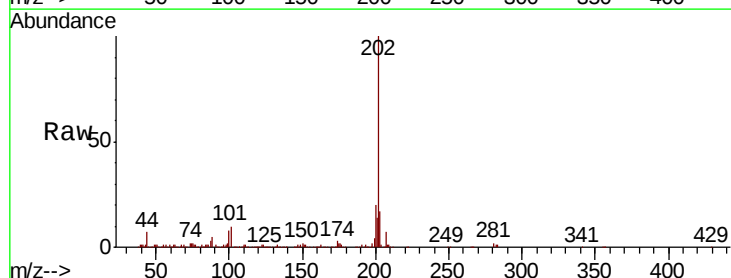
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#77
Fluoranthene
Concen: 3.005 ng/ul
RT: 19.09 min Scan# 2737
Delta R.T. -0.01 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	388657		
101	10.1		8.1	12.1
100	7.6		6.2	9.2

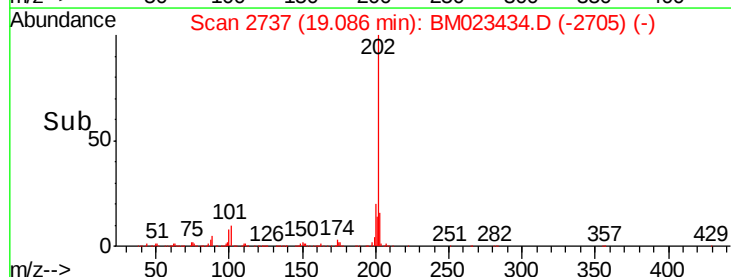
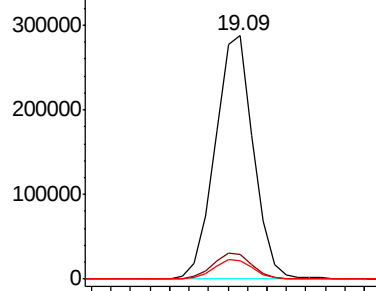


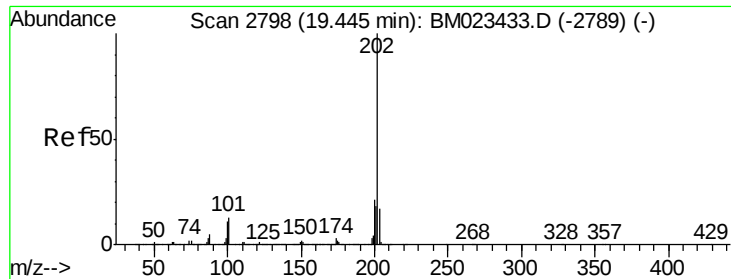
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





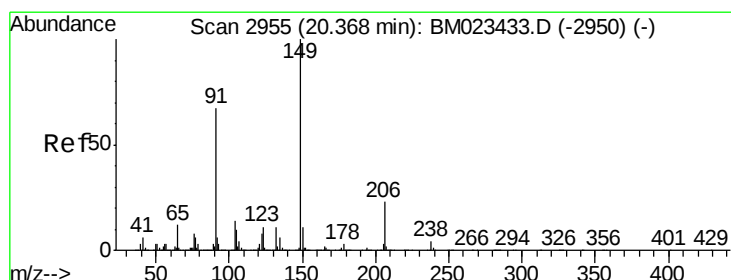
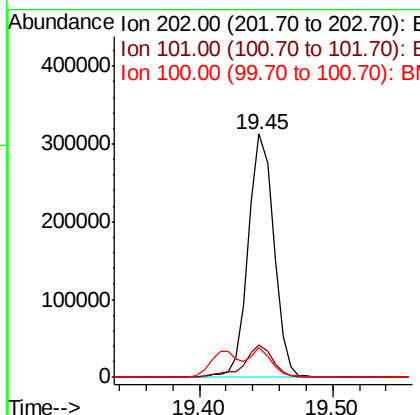
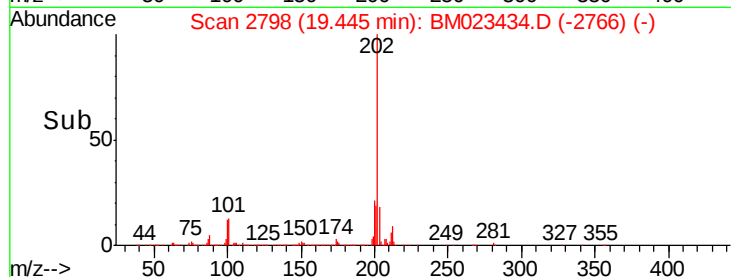
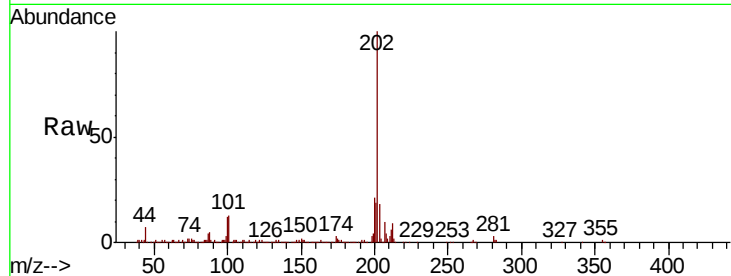
#80
Pvrene
Concen: 2.595 ng/ul
RT: 19.45 min Scan# 2798
Delta R.T. -0.01 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampleId :
BE4G5

Tot Ion	Ratio	Resp	Lower	Upper
202	100	414028		
101	13.4	10.0	15.0	
100	12.1	8.3	12.5	

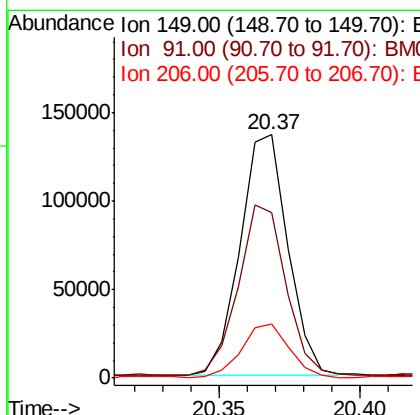
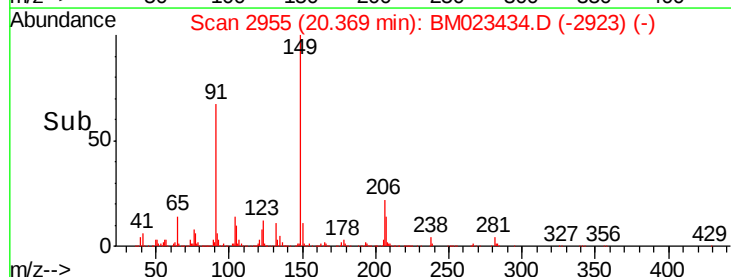
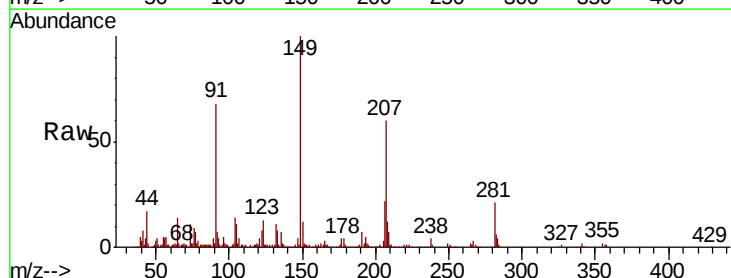
Manual Integrations
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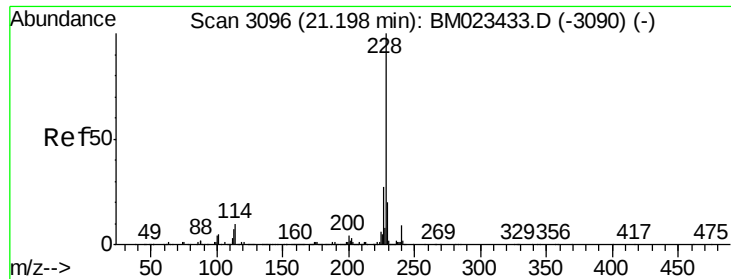
mohammad
10/30/2019 4:54:01 PM



#81
Butylbenzylphthalate
Concen: 2.450 ng/ul
RT: 20.37 min Scan# 2955
Delta R.T. -0.01 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	159993		
91	67.8	54.2	81.2	
206	22.4	17.7	26.5	





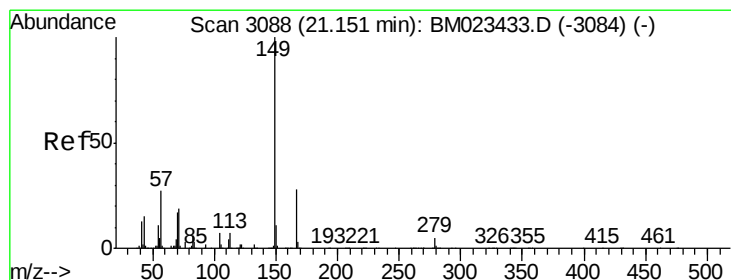
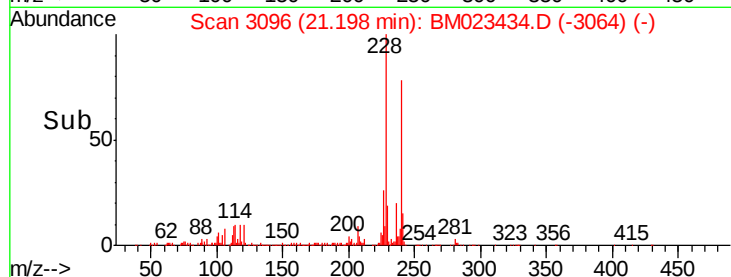
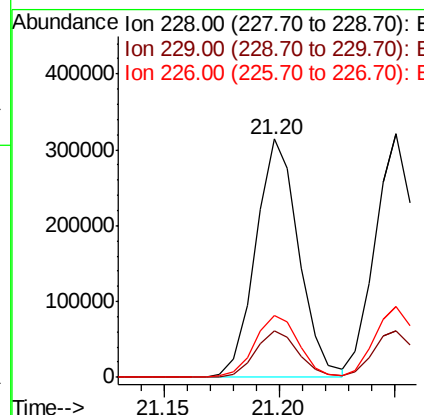
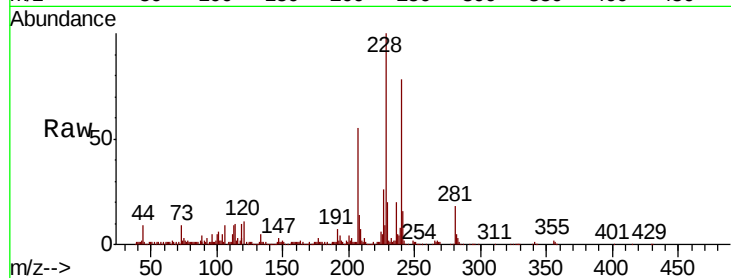
#83
Benzo(a)anthracene
Concen: 2.698 ng/ul
RT: 21.20 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampleId :
BE4G5

Tot Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.8	23.8
226	26.0	21.6	32.4

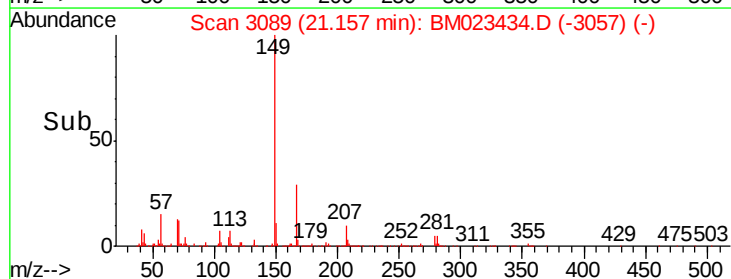
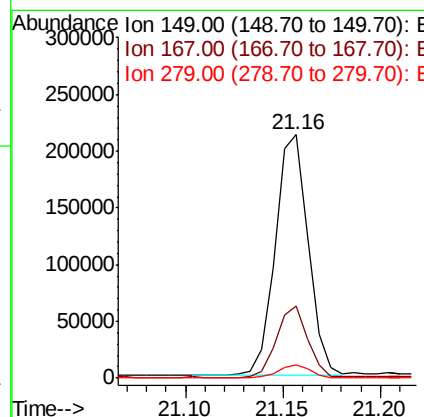
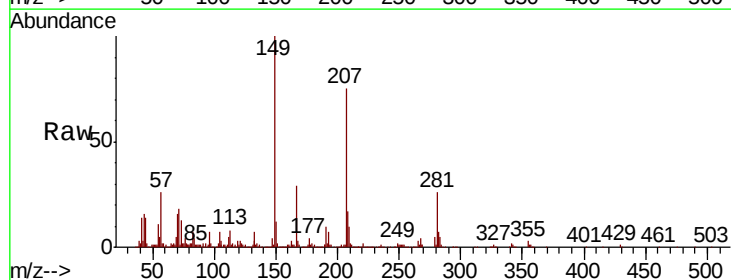
Manual Integrations
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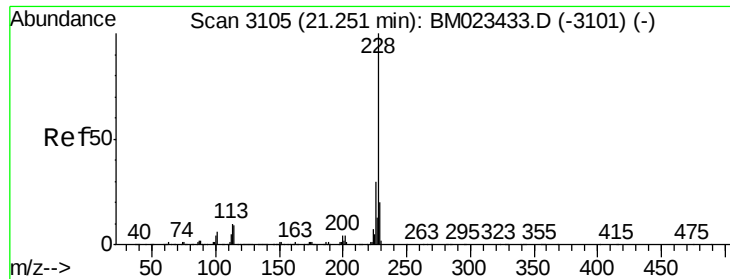
mohammad
10/30/2019 4:54:01 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.704 ng/ul
RT: 21.16 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.4	22.9	34.3
279	5.2	4.1	6.1





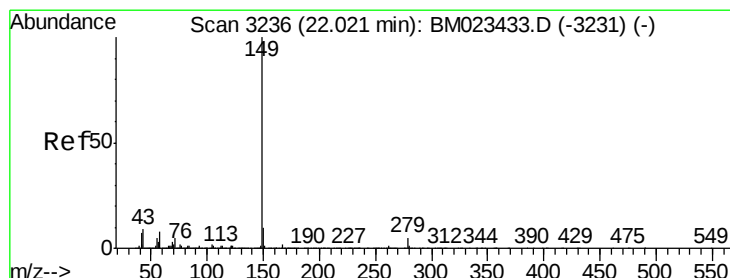
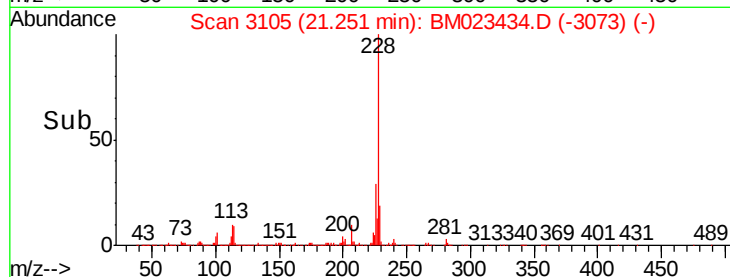
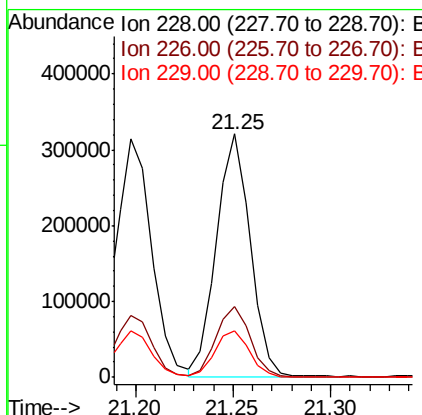
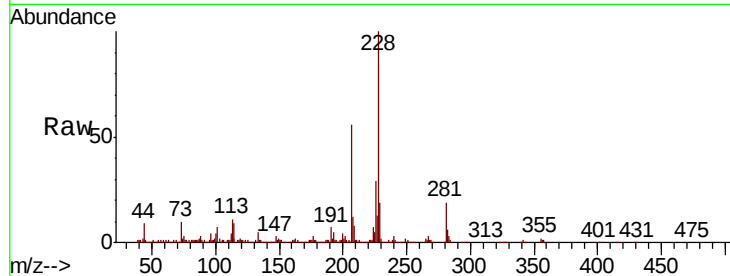
#85
Chrysene
Concen: 2.790 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampleId :
BE4G5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.0	36.0
229	19.3	16.0	24.0

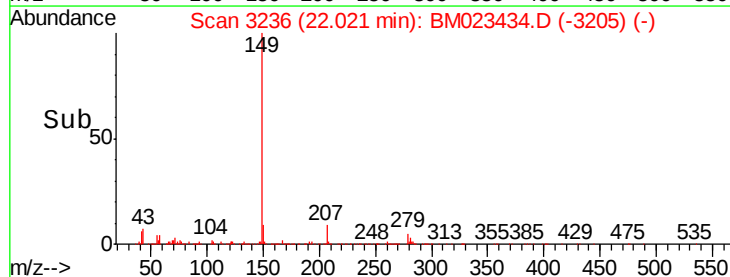
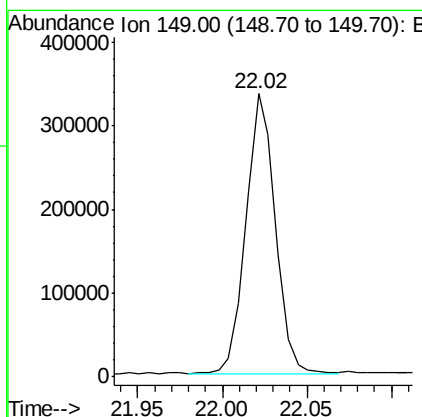
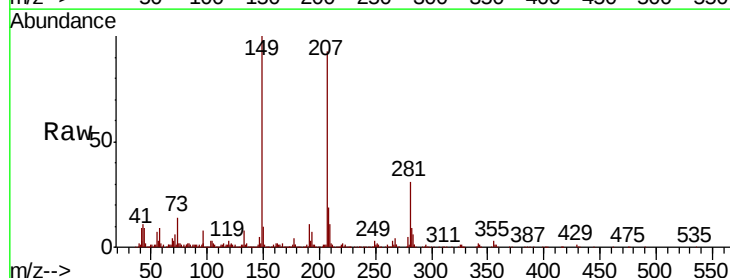
Manual Integrations
APPROVED

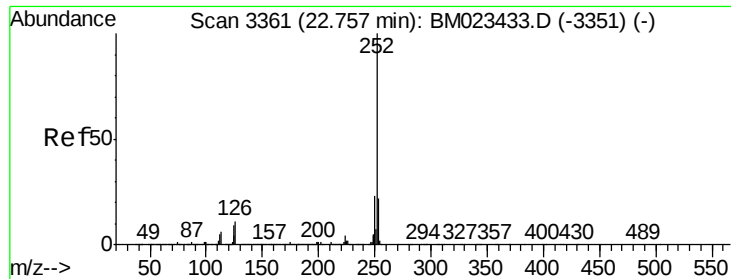
mohammad
10/30/2019 4:54:01 PM



#87
Di-n-octyl phthalate
Concen: 2.624 ng/ul
RT: 22.02 min Scan# 3236
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion:149 Resp: 403092





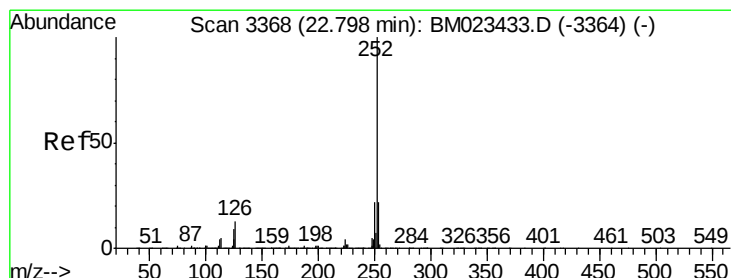
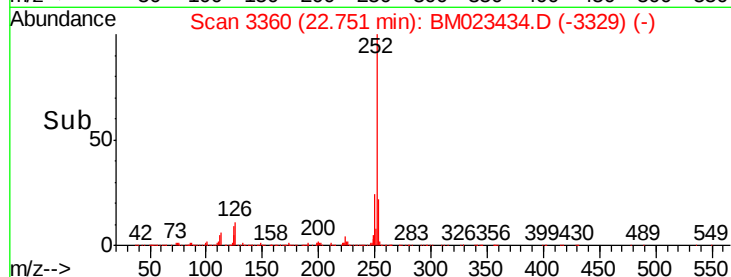
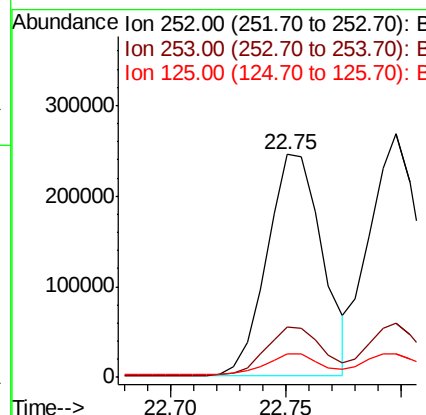
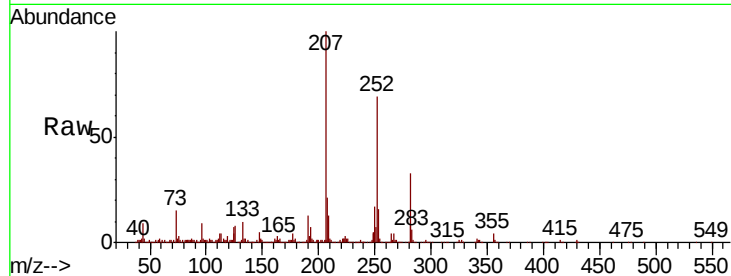
#88
Benzo(b)fluoranthene
Concen: 2.429 ng/ul
RT: 22.75 min Scan# 3360
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampleId :
BE4G5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	10.3	7.1	10.7

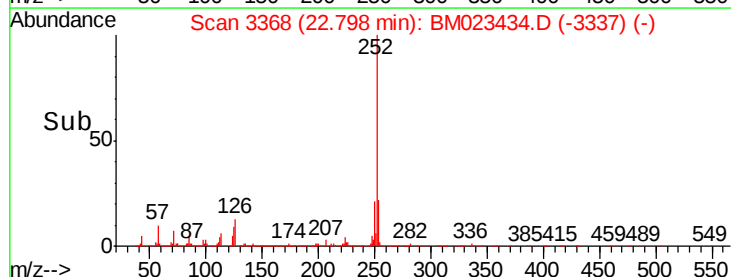
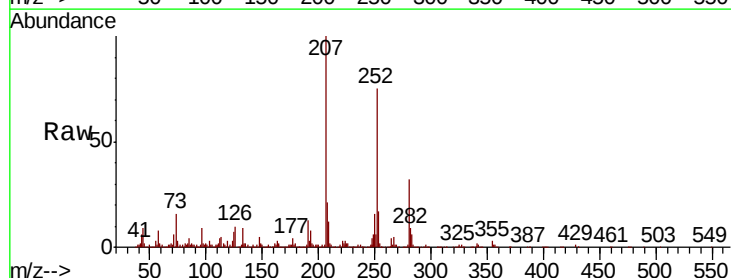
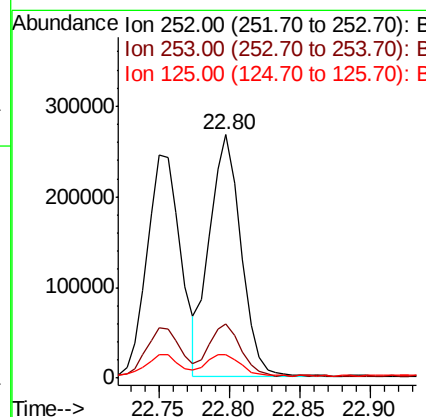
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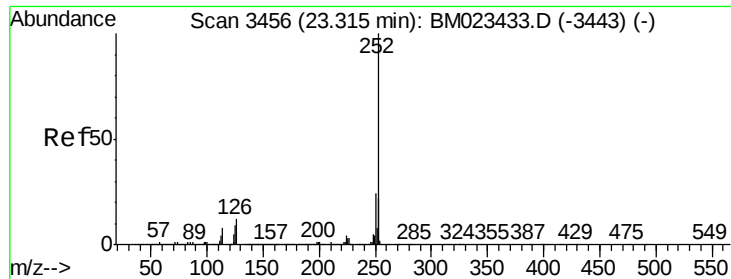
mohammad
10/30/2019 4:54:01 PM



#89
Benzo(k)fluoranthene
Concen: 2.639 ng/ul
RT: 22.80 min Scan# 3368
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	9.6	6.8	10.2





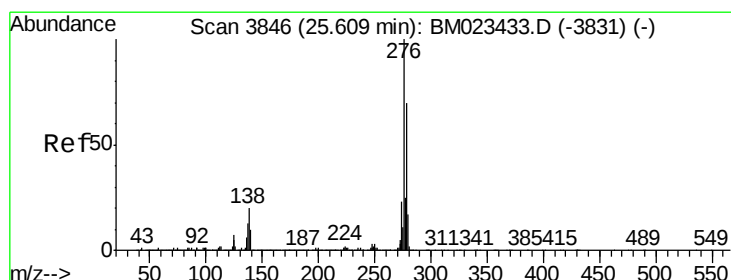
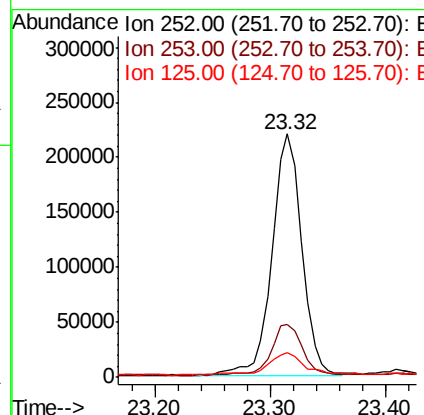
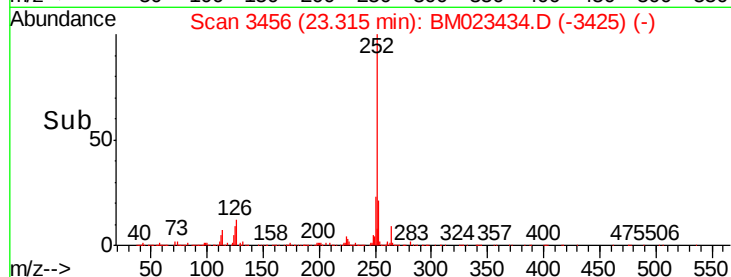
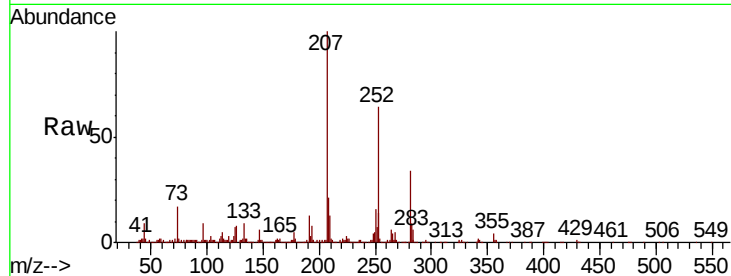
#91
Benzo(a)pyrene
Concen: 2.611 ng/ul
RT: 23.32 min Scan# 3456
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampled :
BE4G5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100		396431		
253	22.0	17.7	26.5		
125	10.2	7.5	11.3		

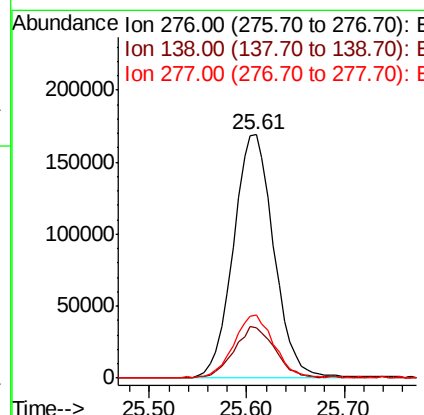
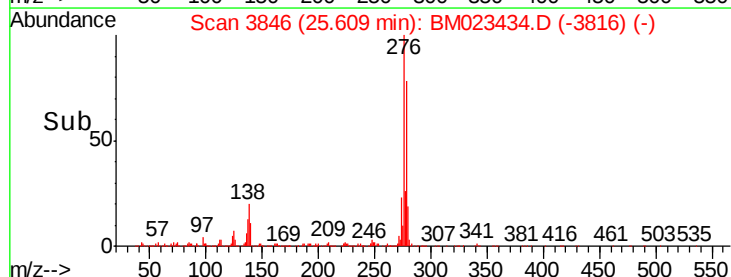
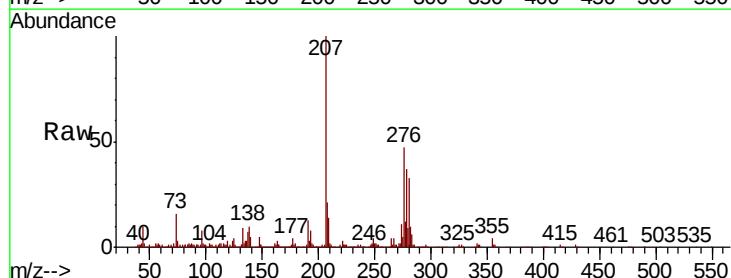
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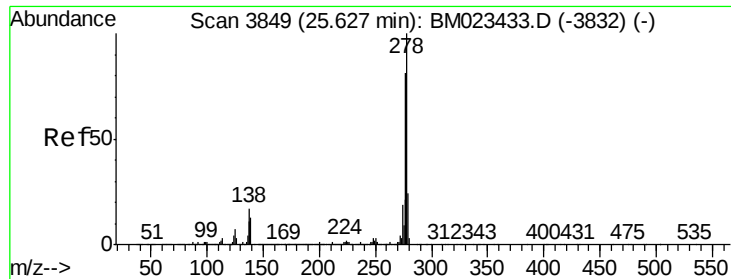
mohammad
10/30/2019 4:54:01 PM



#92
Indeno(1,2,3-cd)pyrene
Concen: 2.946 ng/ul
RT: 25.61 min Scan# 3846
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100		484316		
138	20.6	15.7	23.5		
277	26.1	20.2	30.2		





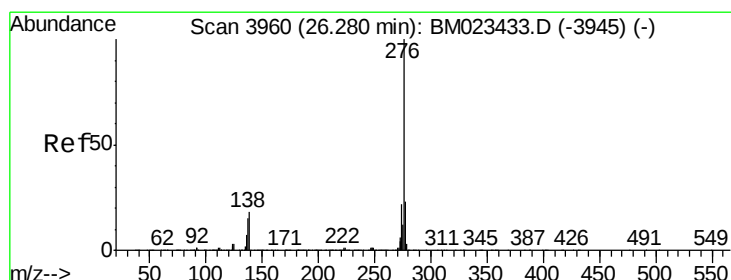
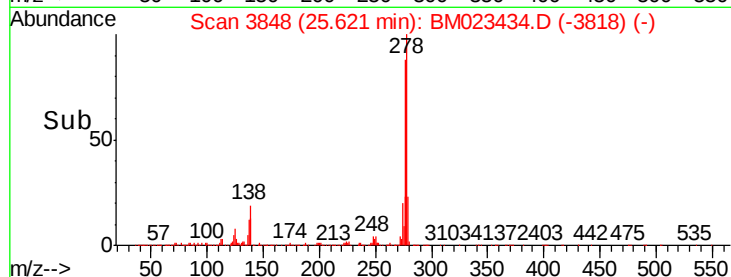
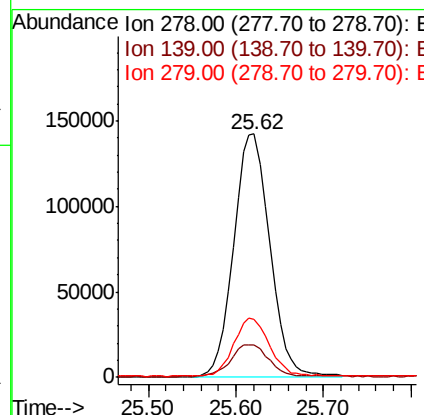
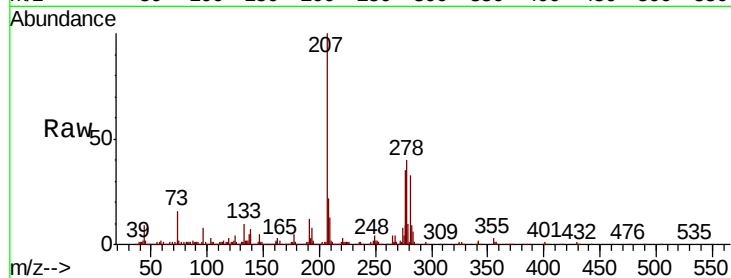
#93
Dibenzo(a,h)anthracene
Concen: 2.892 ng/ul
RT: 25.62 min Scan# 3848
Delta R.T. -0.02 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Instrument :
BNA_M
ClientSampleId :
BE4G5

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.9	16.3
279	23.9	18.7	28.1

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 2.965 ng/ul
RT: 26.27 min Scan# 3959
Delta R.T. -0.03 min
Lab File: BM023434.D
Acq: 29 Oct 2019 09:58

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.3	14.4	21.6
277	24.2	19.0	28.6

