

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116171.D
 Acq On : 11 Aug 2019 3:11
 Operator : HP/JU
 Sample : K4293-04MS
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MS

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:55:01 AM

Quant Time: Aug 12 04:16:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	145759	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	571108	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	280219	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	387242	20.00	ng	0.00
76) Chrysene-d12	14.00	240	249732	20.00	ng	0.00
87) Perylene-d12	15.47	264	246696	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	653751	75.08	ng	0.00
7) Phenol-d6	6.48	99	852645	77.62	ng	0.00
23) Nitrobenzene-d5	7.40	82	528066	53.37	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	175915	64.75	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	894164	59.77	ng	-0.01
79) Terphenyl-d14	12.94	244	695177	58.66	ng	-0.01

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.67	88	168901	38.399	ng	99
3) Pyridine	3.42	79	443765	36.116	ng	99
4) n-Nitrosodimethylamine	3.37	42	191222	39.435	ng	99
6) Aniline	6.50	93	310810	19.756	ng	# 88
8) 2-Chlorophenol	6.63	128	451815	46.927	ng	96
9) Benzaldehyde	6.39	77	228534	30.151	ng	98
10) Phenol	6.49	94	577342	44.630	ng	82
11) bis(2-Chloroethyl)ether	6.57	93	437602	46.011	ng	99
12) 1,3-Dichlorobenzene	6.78	146	478311	42.986	ng	99
13) 1,4-Dichlorobenzene	6.86	146	494398	44.376	ng	98
14) 1,2-Dichlorobenzene	7.01	146	459793	44.820	ng	99
15) Benzyl Alcohol	6.99	79	377147	45.239	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.12	45	575551	44.366	ng	97
17) 2-Methylphenol	7.10	107	375881	46.106	ng	99
18) Hexachloroethane	7.35	117	172686	42.099	ng	99
19) n-Nitroso-di-n-propylamine	7.26	70	309523	45.469	ng	98
20) 3+4-Methylphenols	7.25	107	462797	47.970	ng	# 81
22) Acetophenone	7.25	105	603511	48.184	ng	98
24) Nitrobenzene	7.42	77	501053	46.901	ng	99
25) Isophorone	7.66	82	916669	48.453	ng	100
26) 2-Nitrophenol	7.74	139	239068	47.473	ng	98
27) 2,4-Dimethylphenol	7.78	122	397223	52.429	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	571138	48.707	ng	99
29) 2,4-Dichlorophenol	7.99	162	392511	49.066	ng	99
30) 1,2,4-Trichlorobenzene	8.06	180	422134	46.293	ng	99
31) Naphthalene	8.14	128	1259533	46.866	ng	99
32) Benzoic acid	7.90	122	70402m	13.180	ng	
33) 4-Chloroaniline	8.19	127	157752	13.137	ng	99
34) Hexachlorobutadiene	8.26	225	239275	45.556	ng	99
35) Caprolactam	8.57	113	107576m	41.579	ng	
36) 4-Chloro-3-methylphenol	8.69	107	390691	46.946	ng	98
37) 2-Methylnaphthalene	8.83	142	824930	46.607	ng	99
38) 1-Methylnaphthalene	8.93	142	761009	45.448	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	382682	51.083	ng	99

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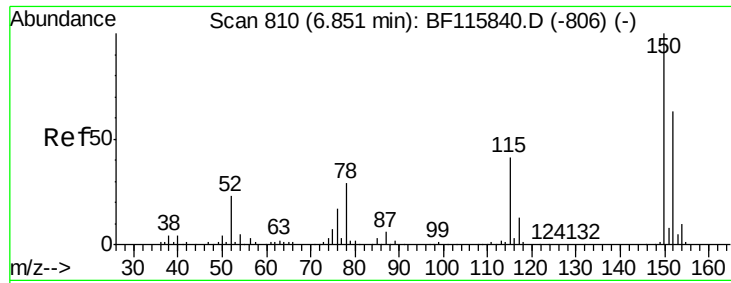
Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	74037	26.307	ng	99
43) 2,4,6-Trichlorophenol	9.12	196	239197	46.388	ng	99
44) 2,4,5-Trichlorophenol	9.16	196	252090	47.295	ng	99
46) 1,1'-Biphenyl	9.30	154	986857	49.883	ng	98
47) 2-Chloronaphthalene	9.32	162	775560	47.102	ng	100
48) 2-Nitroaniline	9.42	65	241634	44.398	ng	96
49) Acenaphthylene	9.74	152	1121015	46.667	ng	98
50) Dimethylphthalate	9.59	163	1043659	54.700	ng	100
51) 2,6-Dinitrotoluene	9.66	165	198437	47.858	ng	91
52) Acenaphthene	9.91	154	666273	45.211	ng	99
53) 3-Nitroaniline	9.83	138	132446	25.851	ng	97
54) 2,4-Dinitrophenol	9.96	184	20565	16.612	ng	96
55) Dibenzofuran	10.08	168	957324	44.669	ng	99
56) 4-Nitrophenol	10.01	139	235058	71.620	ng	93
57) 2,4-Dinitrotoluene	10.07	165	226116	40.959	ng	98
58) Fluorene	10.42	166	741861	44.992	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.20	232	181450	40.463	ng	99
60) Diethylphthalate	10.29	149	884348	49.645	ng	99
61) 4-Chlorophenyl-phenylether	10.41	204	392724	47.028	ng	98
62) 4-Nitroaniline	10.45	138	179481	33.898	ng	99
63) Azobenzene	10.57	77	833919	45.514	ng	96
65) 4,6-Dinitro-2-methylphenol	10.49	198	31049	15.130	ng	95
66) n-Nitrosodiphenylamine	10.53	169	673048	57.745	ng	100
67) 4-Bromophenyl-phenylether	10.90	248	228343	55.083	ng	95
68) Hexachlorobenzene	10.98	284	234223	48.862	ng	94
69) Atrazine	11.06	200	209789	54.711	ng	99
70) Pentachlorophenol	11.17	266	164927	70.868	ng	97
71) Phenanthrene	11.39	178	940543	47.510	ng	99
72) Anthracene	11.44	178	990555	49.441	ng	99
73) Carbazole	11.59	167	856290	47.109	ng	99
74) Di-n-butylphthalate	11.92	149	1192581	56.243	ng	99
75) Fluoranthene	12.57	202	869155	41.937	ng	99
77) Benzidine	12.69	184	419068	49.670	ng	97
78) Pyrene	12.80	202	854506	45.392	ng	100
80) Butylbenzylphthalate	13.41	149	404936	50.851	ng	98
81) Benzo(a)anthracene	13.99	228	756900	47.419	ng	99
82) 3,3'-Dichlorobenzidine	13.95	252	238708	43.045	ng	97
83) Chrysene	14.03	228	751322	48.483	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	603572	58.327	ng	98
85) Di-n-octyl phthalate	14.57	149	998150	60.728	ng	99
86) Indeno(1,2,3-cd)pyrene	16.94	276	581468	44.675	ng	100
88) Benzo(b)fluoranthene	15.04	252	714623	50.099	ng	99
89) Benzo(k)fluoranthene	15.07	252	677412	48.757	ng	99
90) Benzo(a)pyrene	15.41	252	634266	49.742	ng	99
91) Dibenzo(a,h)anthracene	16.94	278	504671	45.723	ng	99
92) Benzo(g,h,i)perylene	17.39	276	460749	42.505	ng	98

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



#1

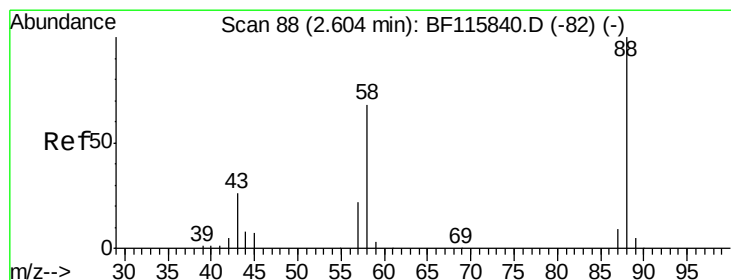
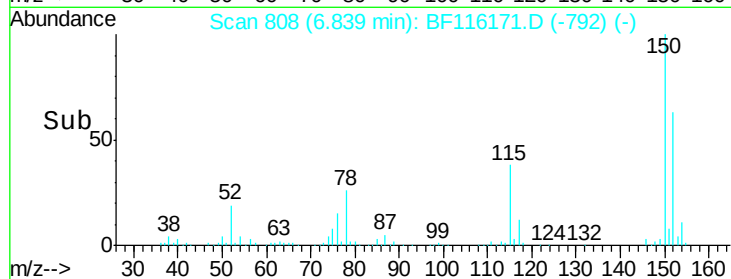
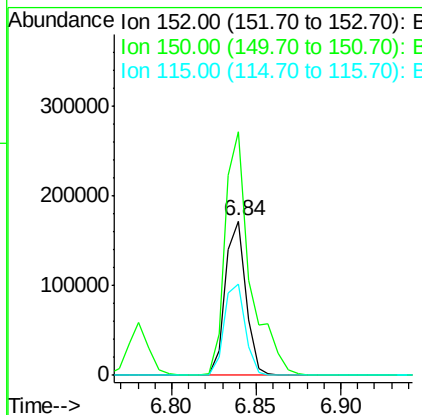
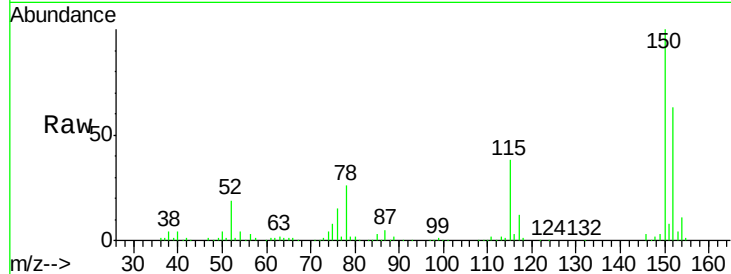
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampleId :
PE-4MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.2	189.2
115	59.4	49.9	74.9

Manual Integrations
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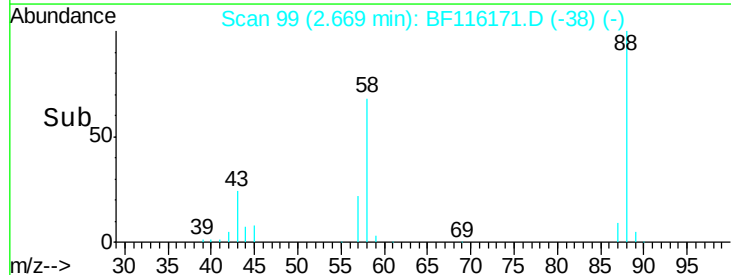
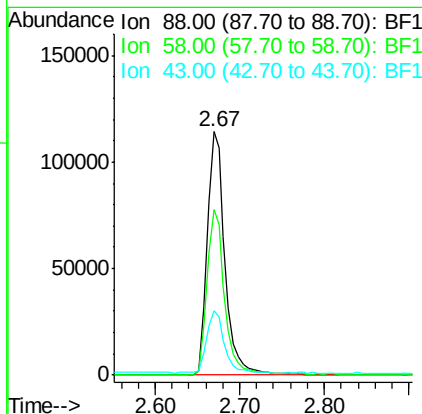
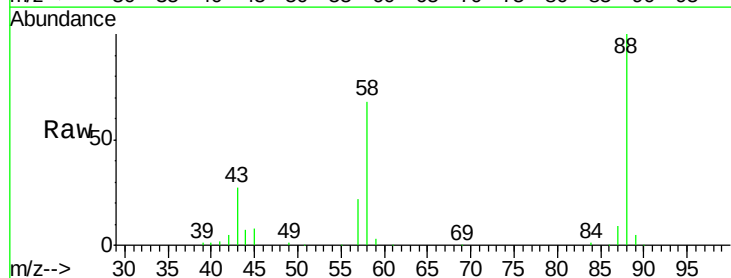
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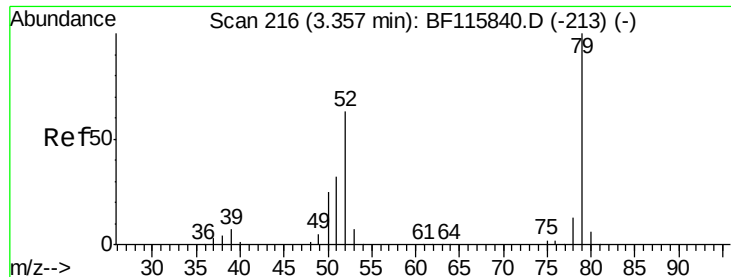


#2

1,4-Dioxane
Concen: 38.399 ng
RT: 2.67 min Scan# 99
Delta R.T. 0.06 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.2	53.7	80.5
43	25.6	21.0	31.4





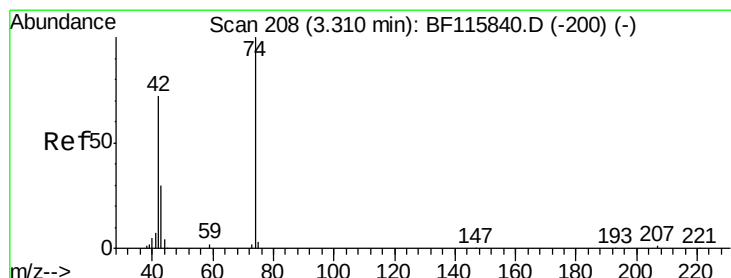
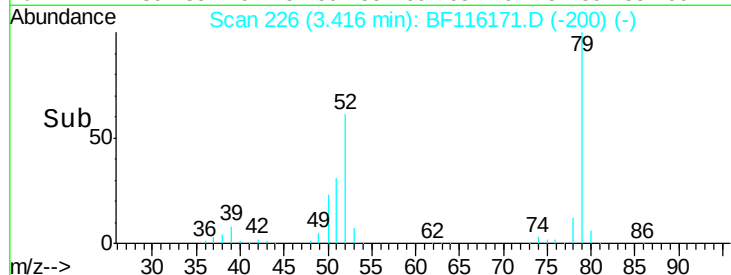
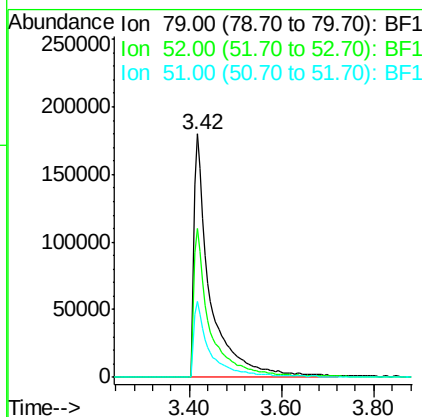
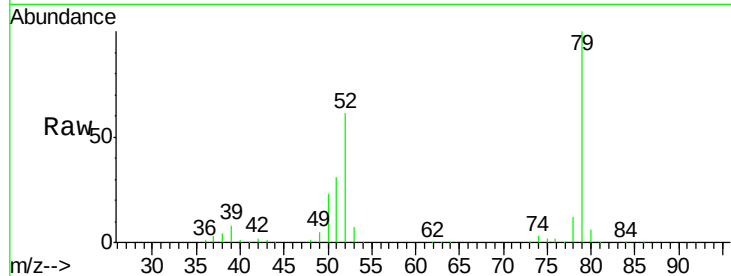
#3
 Pvridine
 Concen: 36.116 ng
 RT: 3.42 min Scan# 226
 Delta R.T. 0.05 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
52	61.3	49.8	74.8		
51	31.4	25.2	37.8		

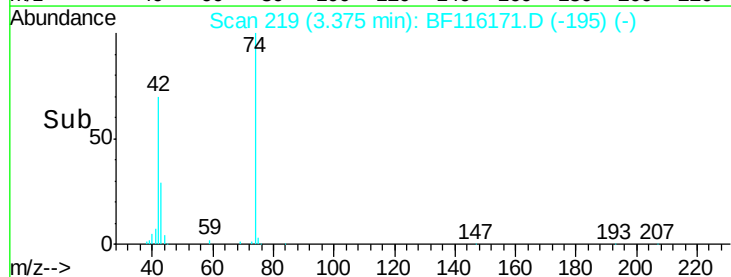
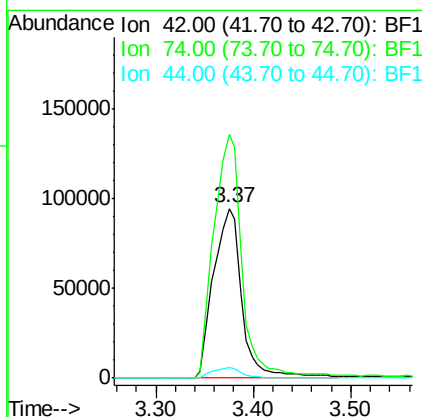
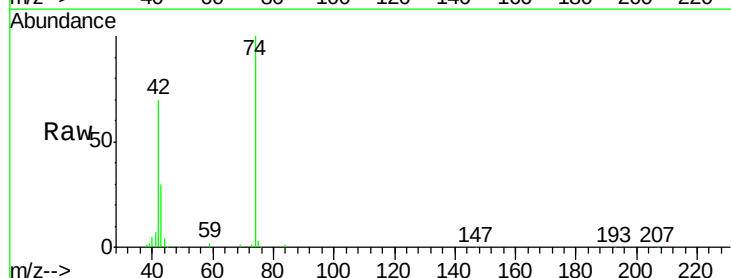
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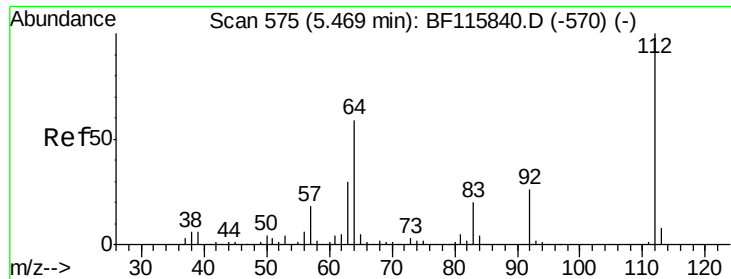
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 8/14/2019 2:55:01 AM



#4
 n-Nitrosodimethylamine
 Concen: 39.435 ng
 RT: 3.37 min Scan# 219
 Delta R.T. 0.04 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
74	143.3	116.0	174.0		
44	6.2	4.6	7.0		





#5

2-Fluorophenol

Concen: 75.084 ng

RT: 5.47 min Scan# 575

Delta R.T. -0.00 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Instrument :

BNA_F

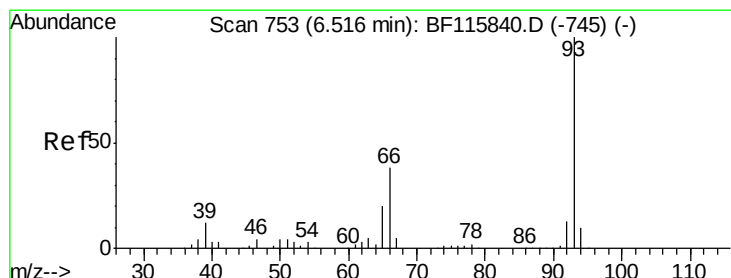
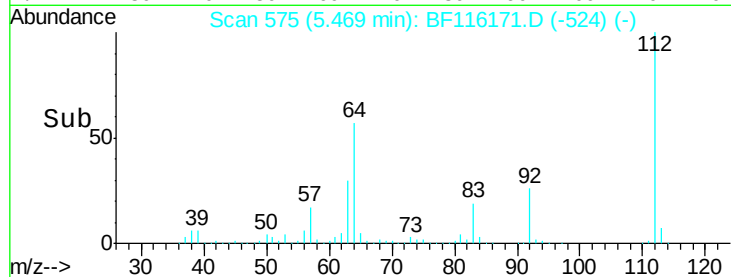
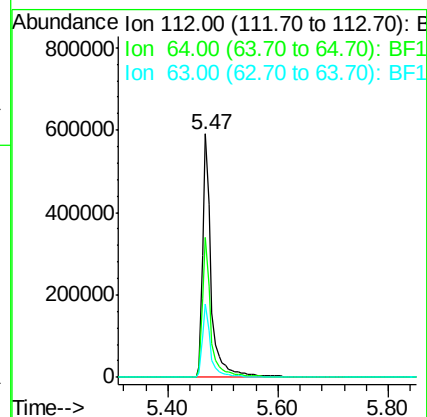
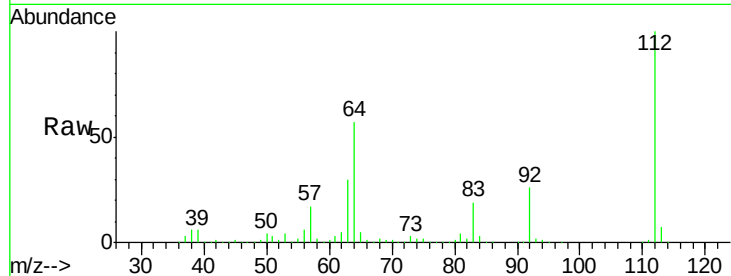
ClientSampleId :

PE-4MS

Tot Ion:	112	Resp:	653751
Ion Ratio	Lower	Upper	
112	100		
64	57.4	45.4	68.2
63	30.0	23.7	35.5

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#6

Aniline

Concen: 19.756 ng

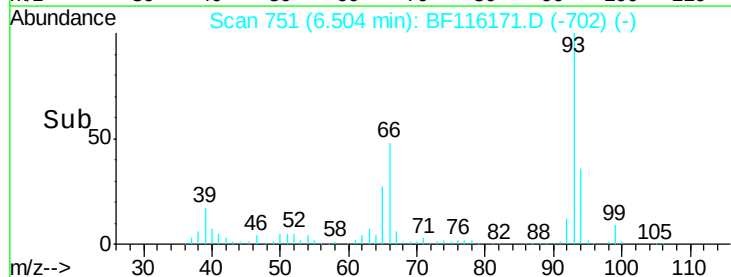
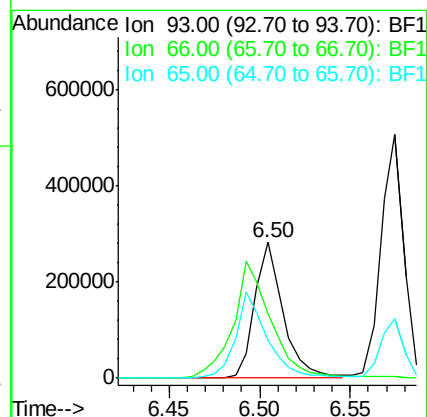
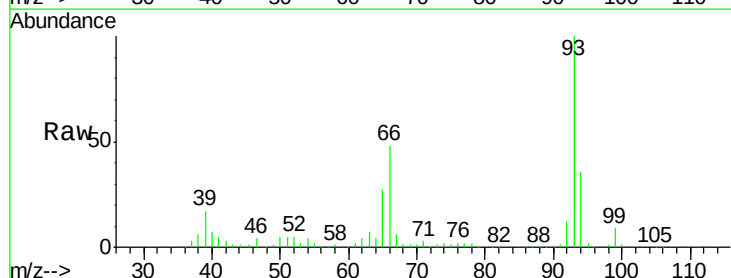
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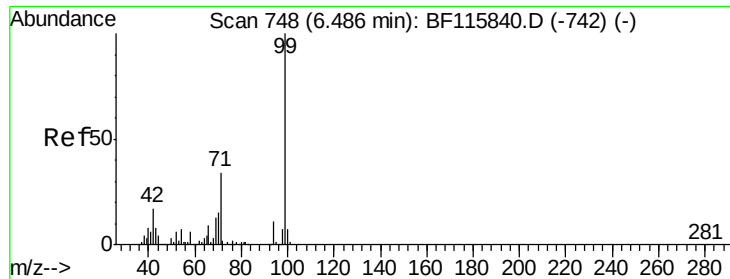
Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Tgt Ion:	93	Resp:	310810
Ion Ratio	Lower	Upper	
93	100		
66	47.5	32.2	48.4
65	27.4	17.0	25.6





#7

Phenol-d6

Concen: 77.617 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Instrument :

BNA_F

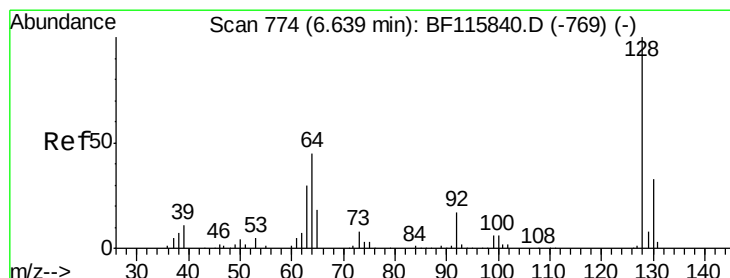
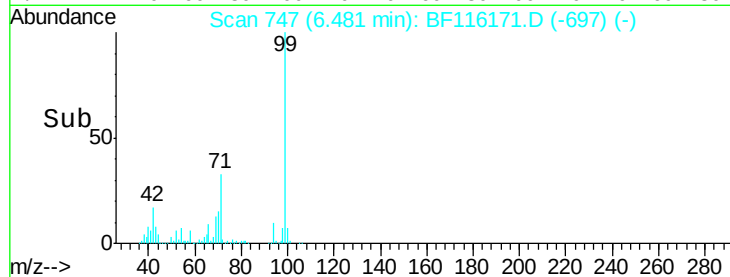
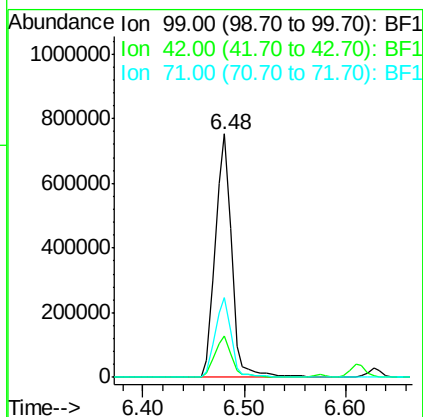
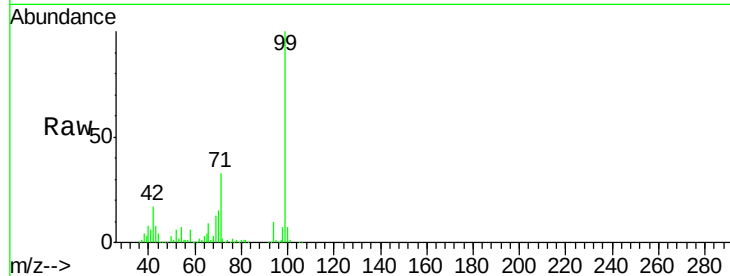
ClientSampled :

PE-4MS

Tot Ion:	99	Resp:	852645
Ion Ratio	Lower	Upper	
99	100		
42	17.0	13.8	20.8
71	33.0	27.3	40.9

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#8

2-Chlorophenol

Concen: 46.927 ng

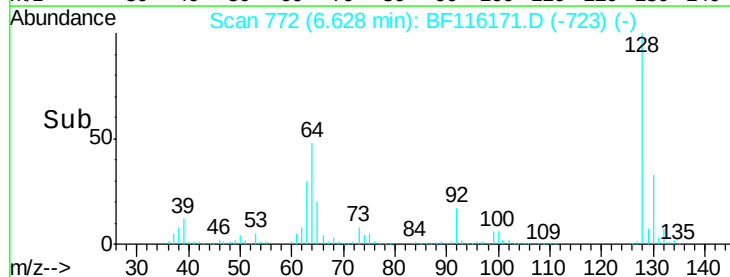
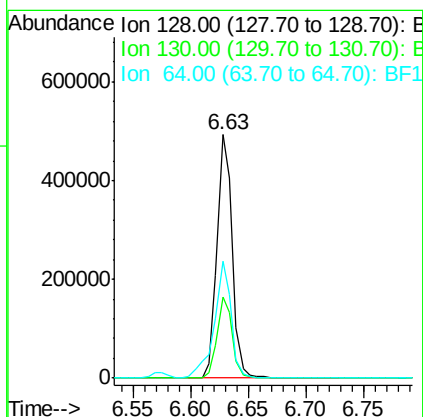
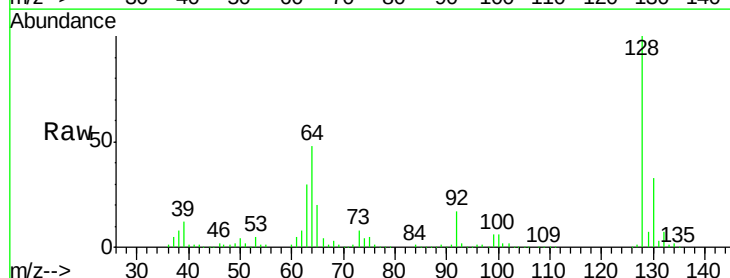
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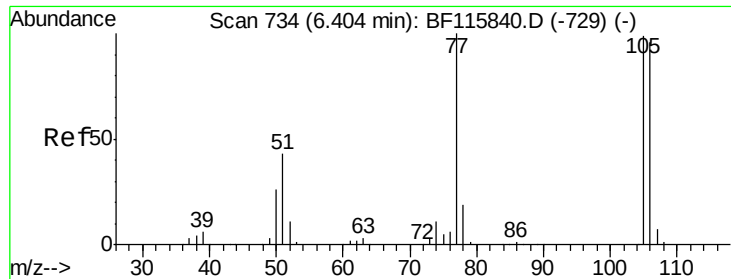
Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Tgt Ion:	128	Resp:	451815
Ion Ratio	Lower	Upper	
128	100		
130	33.0	12.9	52.9
64	48.2	24.3	64.3





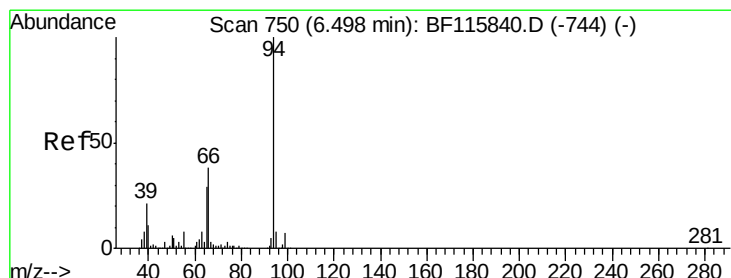
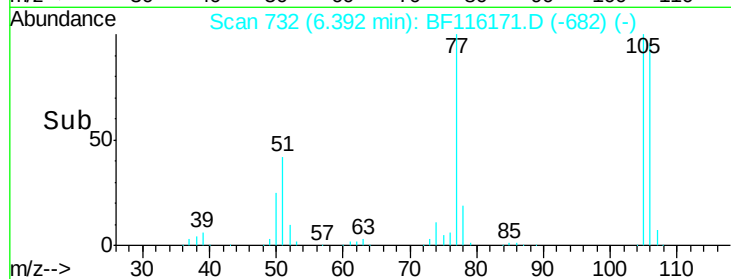
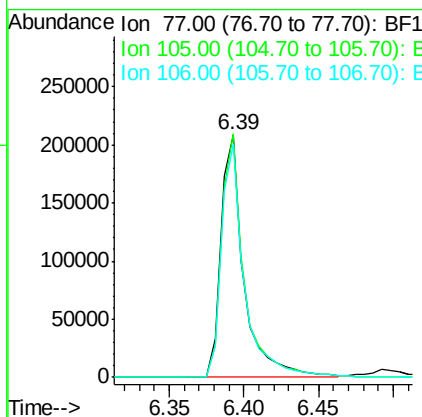
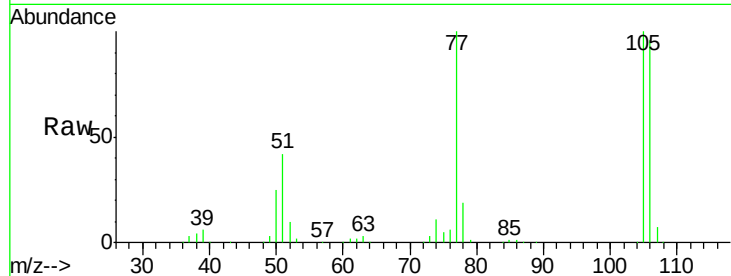
#9
Benzaldehyde
Concen: 30.151 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampled :
PE-4MS

Tot Ion	Ratio	Lower	Upper
77	100		
105	100.2	79.2	119.2
106	96.3	74.3	114.3

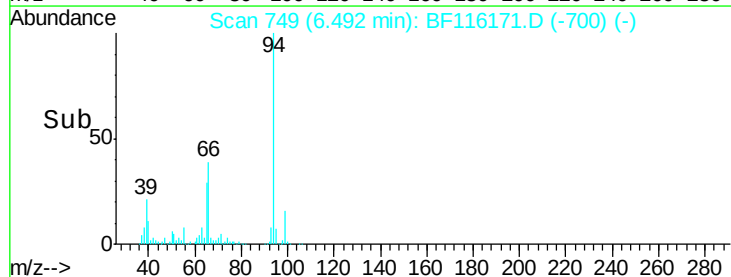
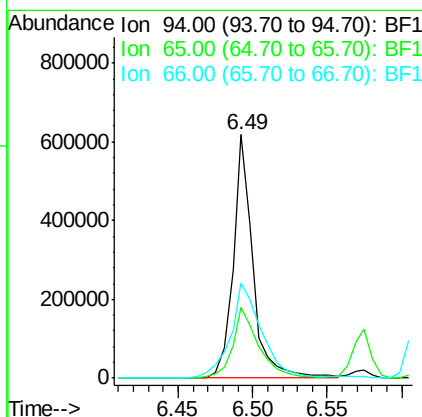
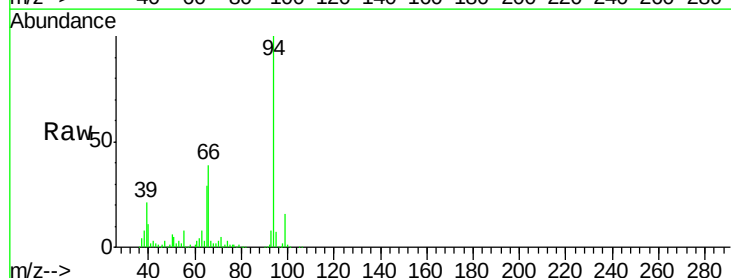
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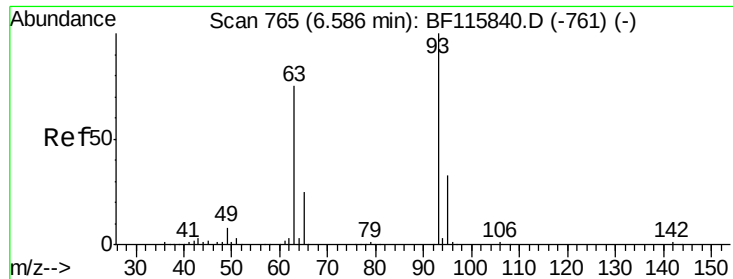
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#10
Phenol
Concen: 44.630 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.2	16.8	56.8
66	39.3	34.2	74.2





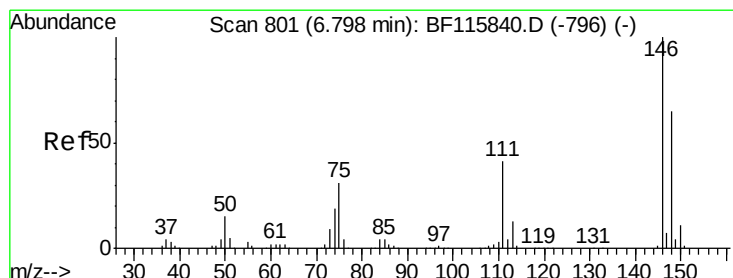
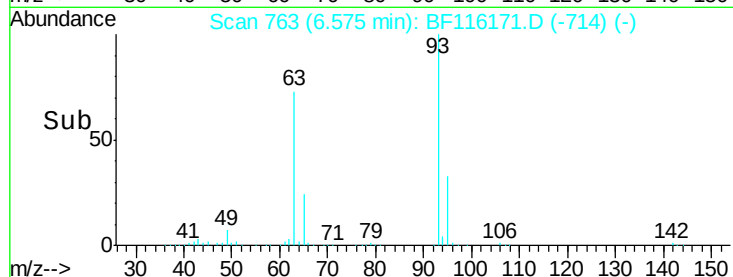
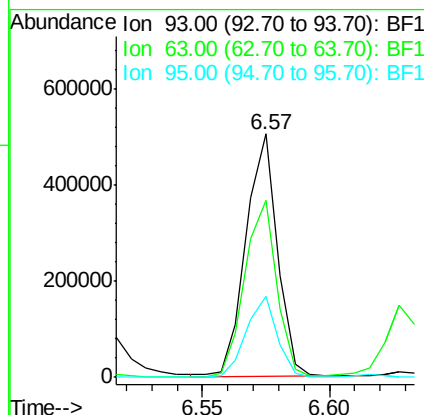
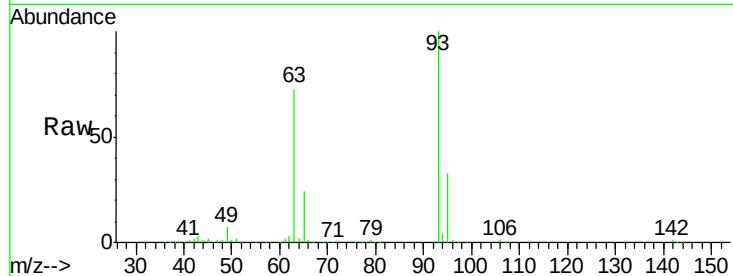
#11
bis(2-Chloroethyl)ether
Concen: 46.011 ng
RT: 6.57 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampleId :
PE-4MS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	437602		
63	72.6		51.9	91.9
95	33.1		13.0	53.0

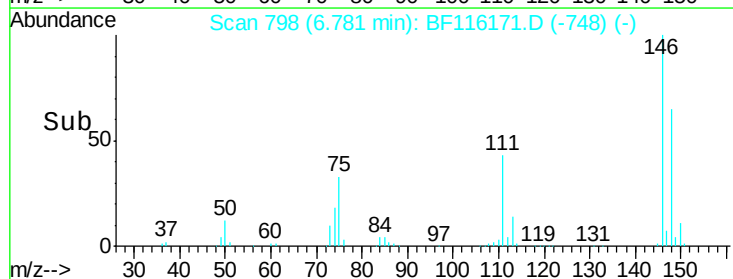
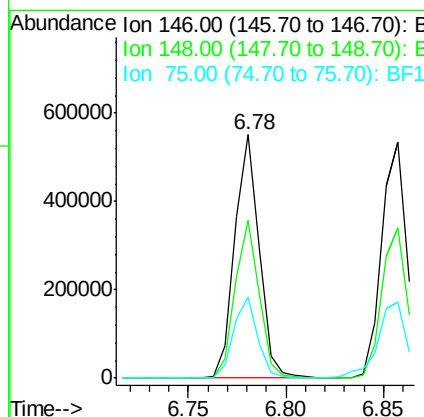
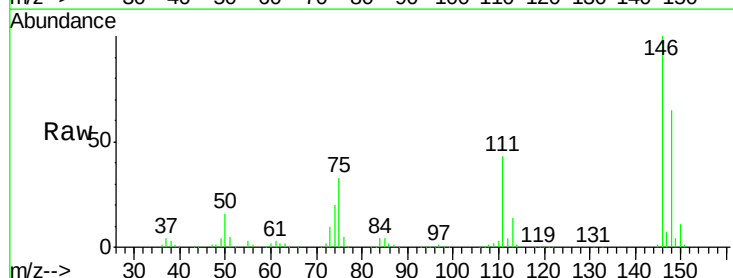
Manual Integrations
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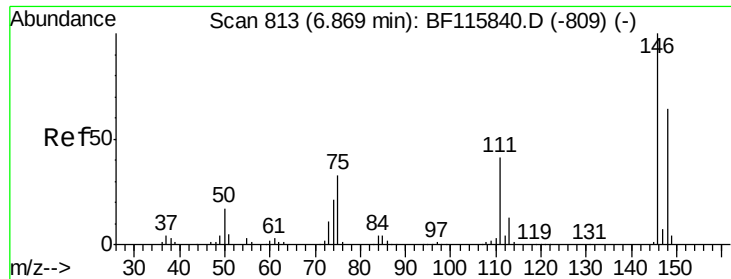
mohammad
8/14/2019 2:55:01 AM



#12
1,3-Dichlorobenzene
Concen: 42.986 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	478311		
148	65.0		51.3	76.9
75	33.3		27.4	41.2





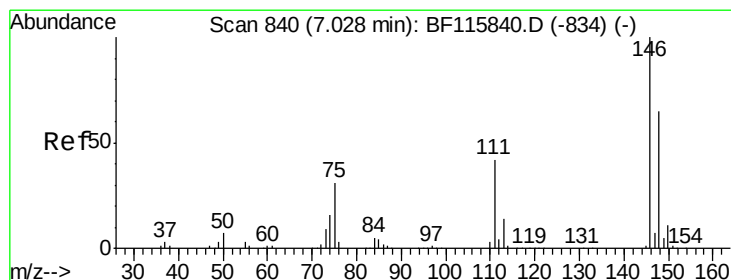
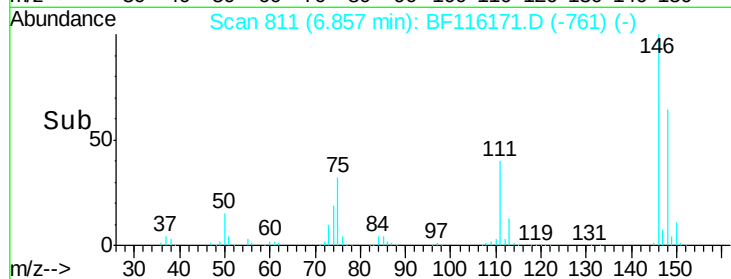
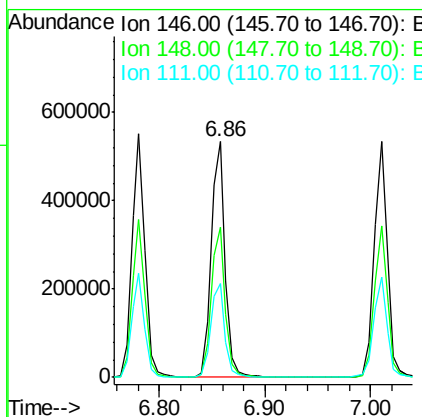
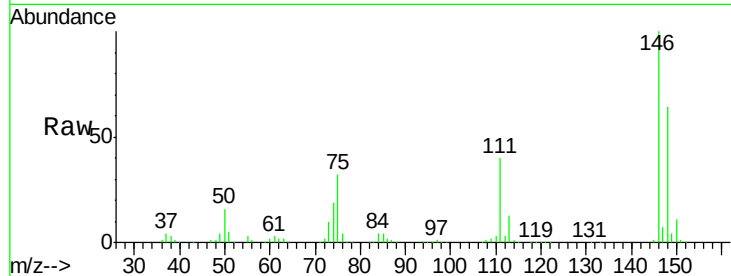
#13
 1,4-Dichlorobenzene
 Concen: 44.376 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.3	76.9
111	39.8	34.0	51.0

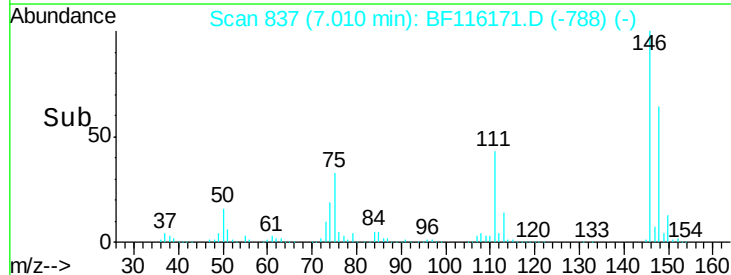
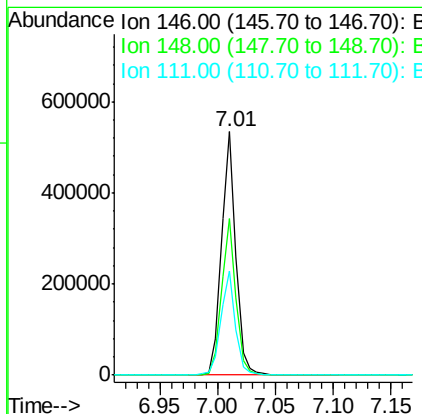
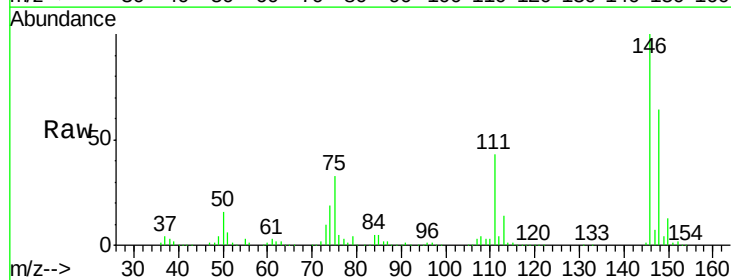
Manual Integrations
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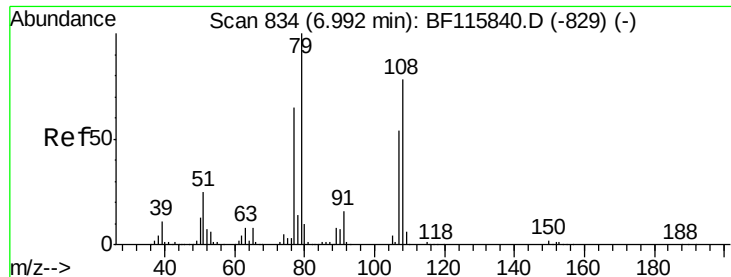
mohammad
 8/14/2019 2:55:01 AM



#14
 1,2-Dichlorobenzene
 Concen: 44.820 ng
 RT: 7.01 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.2	76.8
111	42.7	33.5	50.3





#15

Benzyl Alcohol

Concen: 45.239 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Instrument :

BNA_F

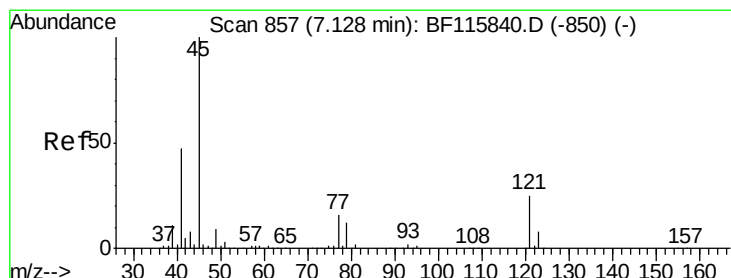
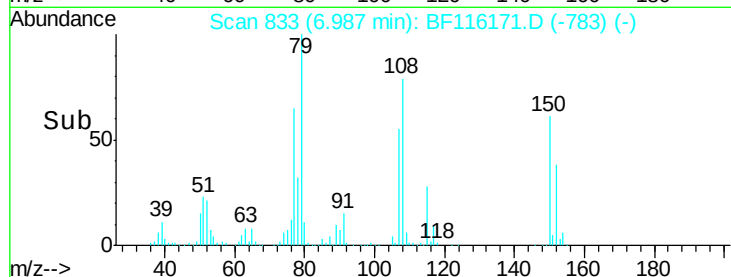
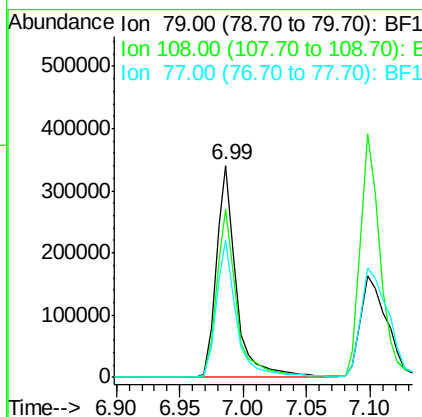
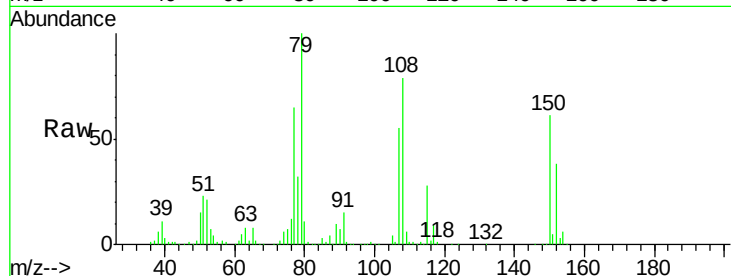
ClientSampled :

PE-4MS

Tot Ion:	79	Resp:	377147
Ion Ratio	Lower	Upper	
79	100		
108	79.3	62.7	94.1
77	64.7	52.2	78.2

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.366 ng

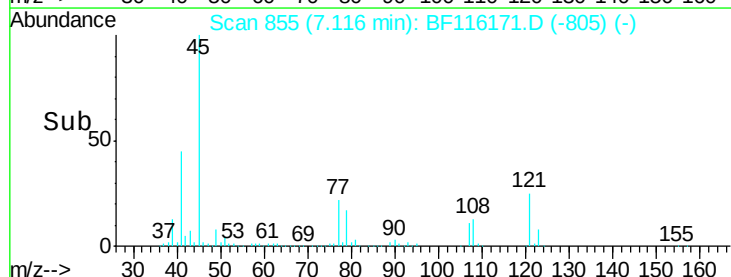
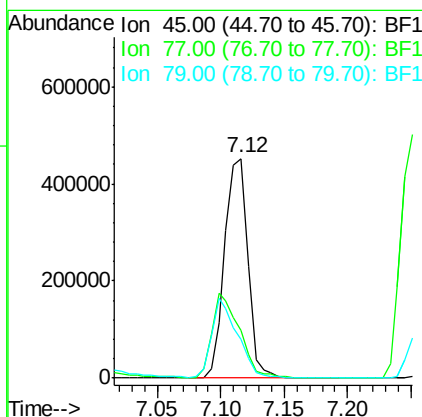
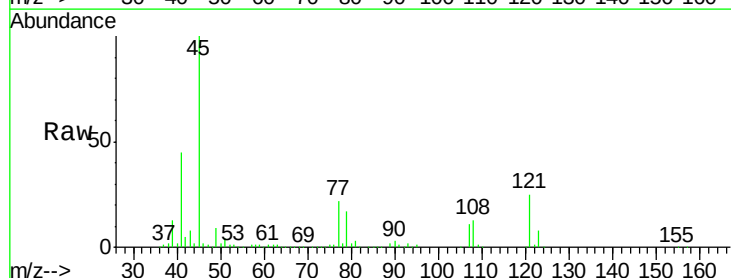
RT: 7.12 min Scan# 855

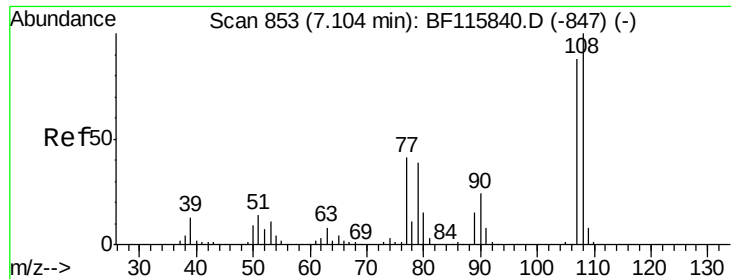
Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Tgt Ion:	45	Resp:	575551
Ion Ratio	Lower	Upper	
45	100		
77	21.5	0.0	40.0
79	17.5	0.0	35.9





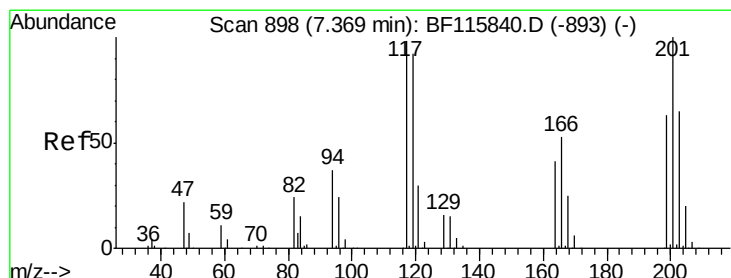
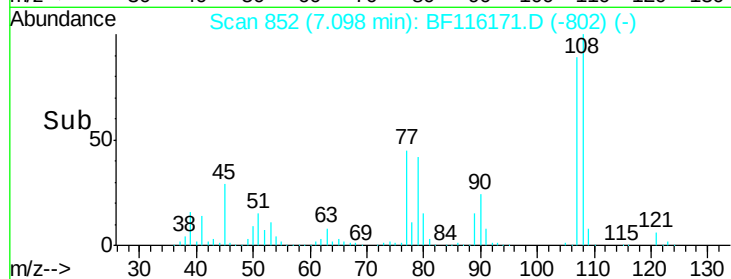
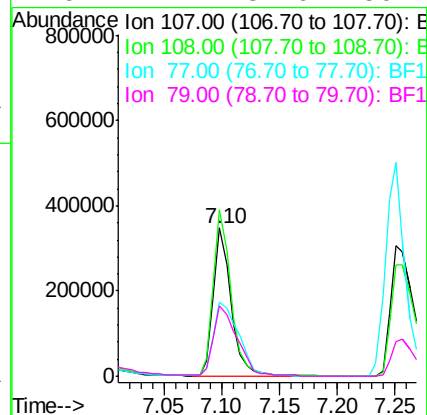
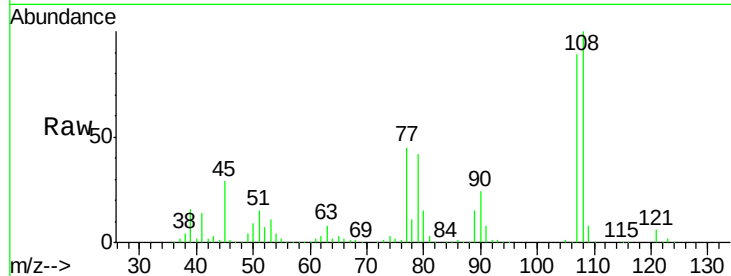
#17
2-Methylphenol
Concen: 46.106 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampleId :
PE-4MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.3	91.2	136.8	
77	50.3	40.3	60.5	
79	47.1	37.6	56.4	

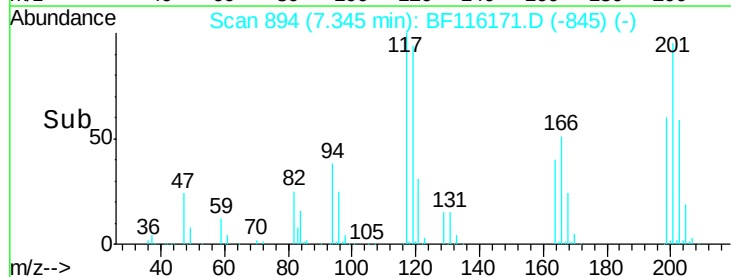
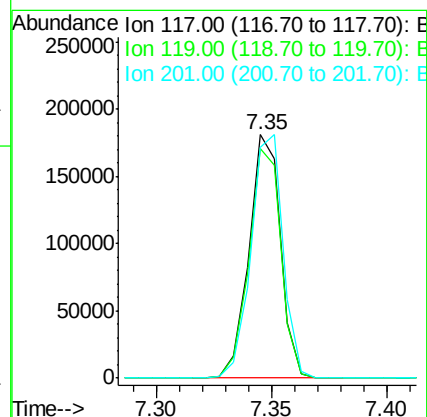
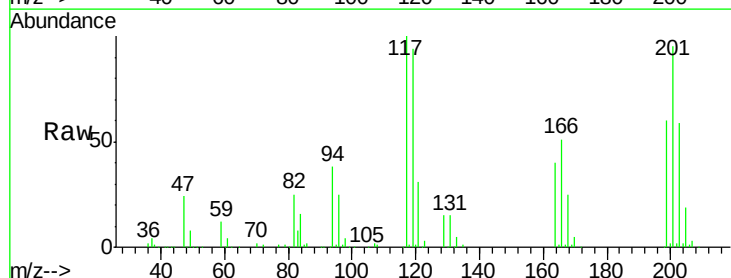
Manual Integrations
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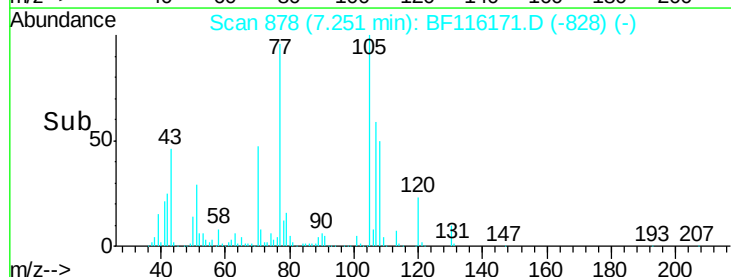
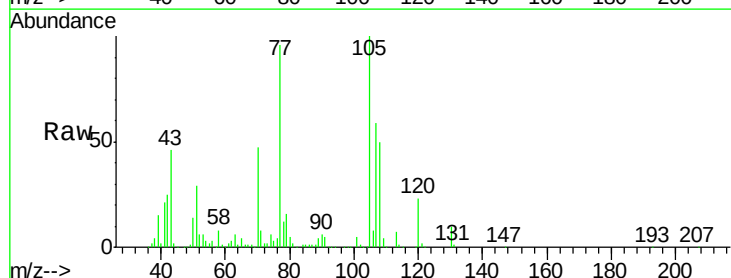
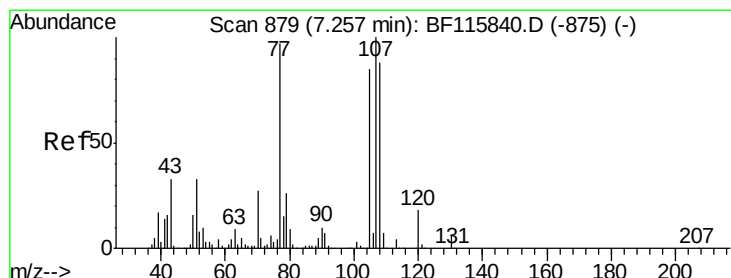
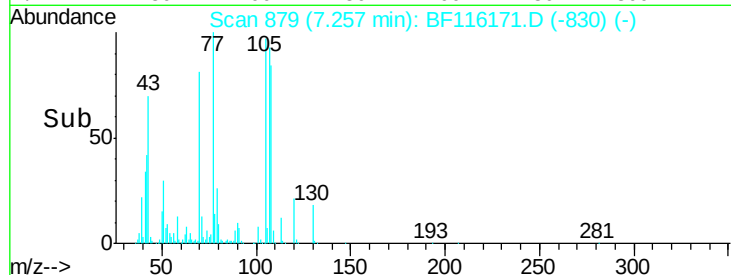
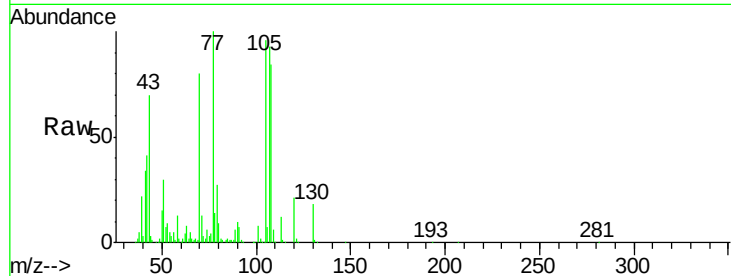
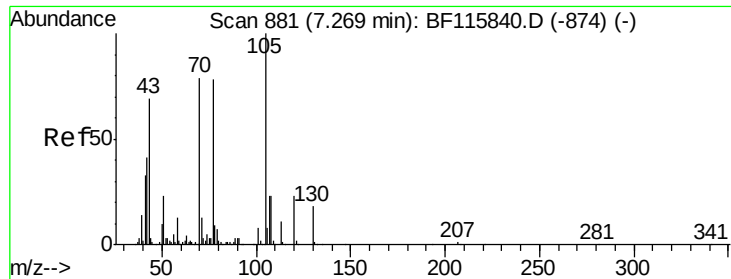
mohammad
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#18
Hexachloroethane
Concen: 42.099 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

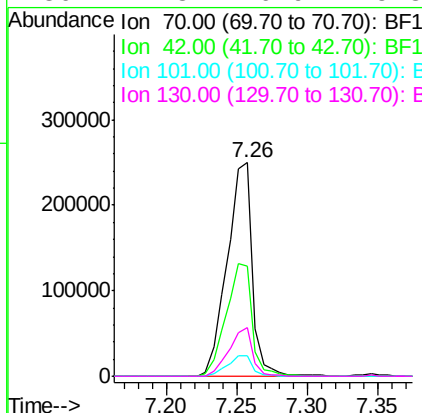
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.2	76.1	114.1	
201	94.7	77.0	115.4	





#19
n-Nitroso-di-n-propylamine
Concen: 45.469 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	51.7	40.9	61.3		
101	9.8	7.9	11.9		
130	22.8	16.9	25.3		



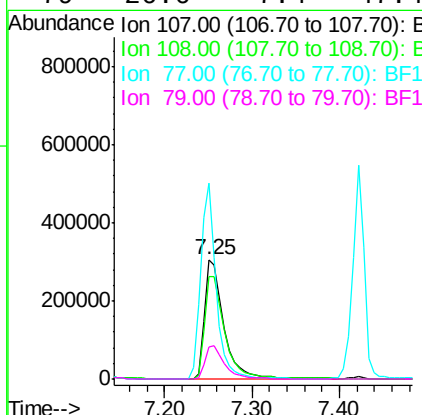
Instrument :
BNA_F
ClientSampleId :
PE-4MS

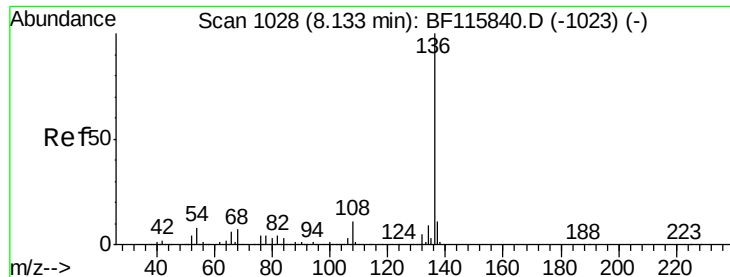
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#20
3+4-Methylphenols
Concen: 47.970 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	85.9	67.6	107.6		
77	164.2	104.4	144.4		
79	26.6	7.4	47.4		





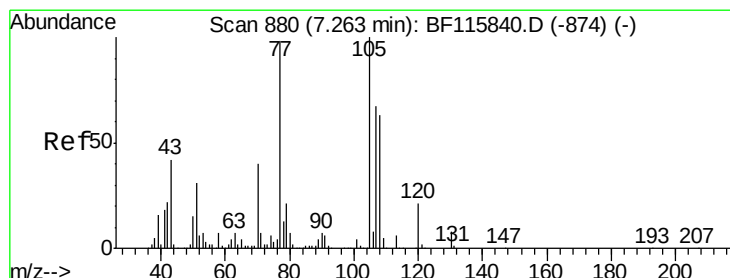
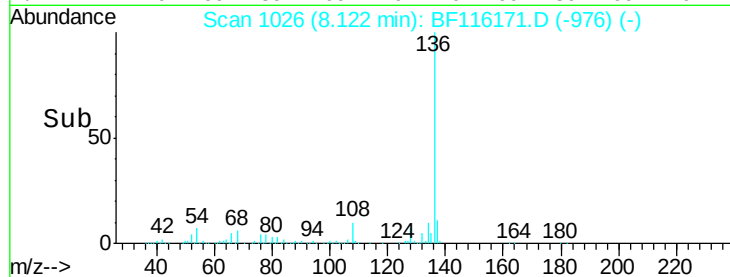
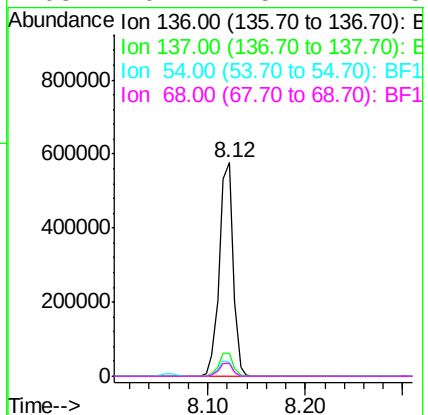
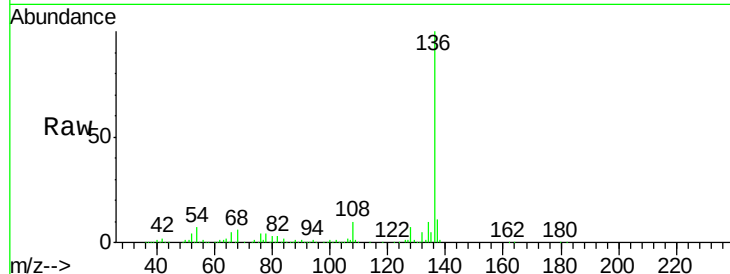
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampleId :
PE-4MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	571108		
137	11.1	9.0	13.4	
54	6.6	5.8	8.6	
68	6.1	5.2	7.8	

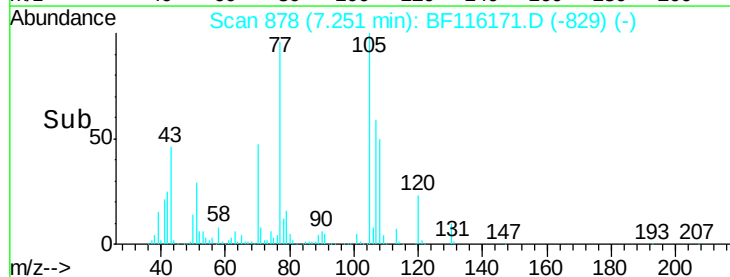
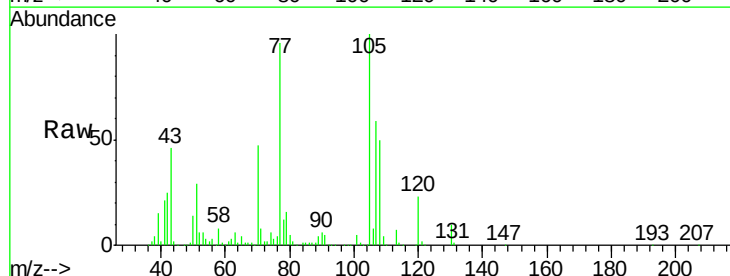
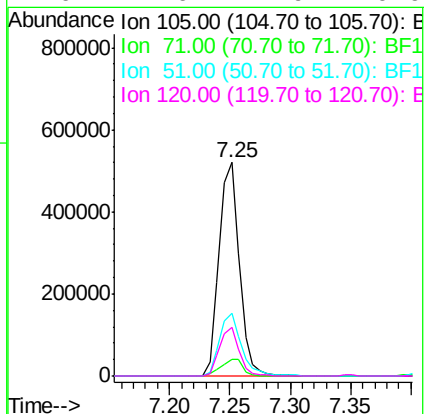
Manual Integrations
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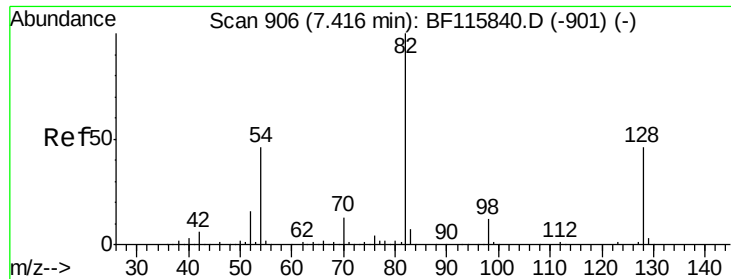
mohammad
8/14/2019 2:55:01 AM



#22
Acetophenone
Concen: 48.184 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	603511		
71	7.8	5.9	8.9	
51	29.5	25.3	37.9	
120	22.6	17.9	26.9	





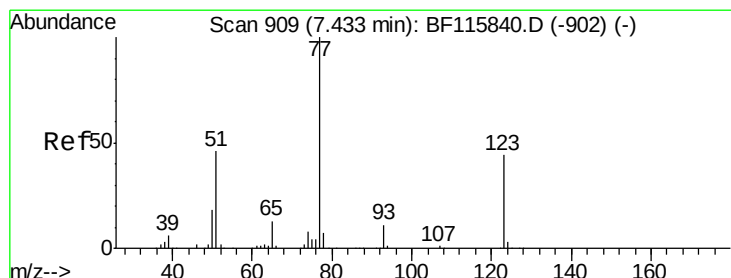
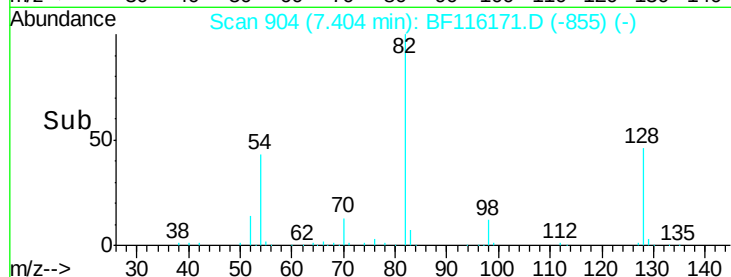
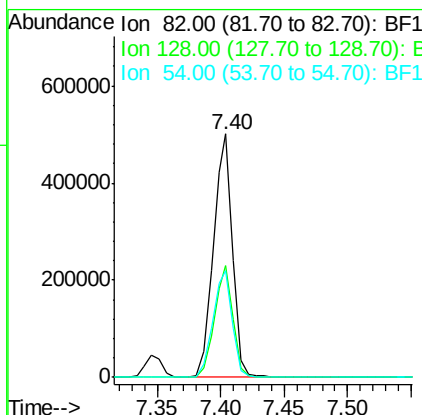
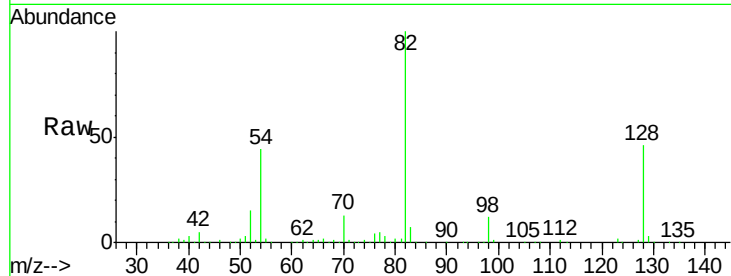
#23
Nitrobenzene-d5
Concen: 53.373 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampleId :
PE-4MS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.7	36.5	54.7	
54	43.7	36.0	54.0	

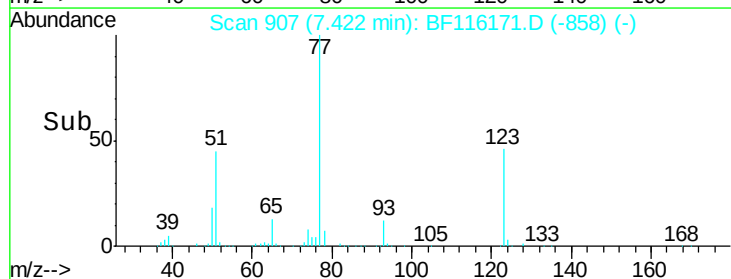
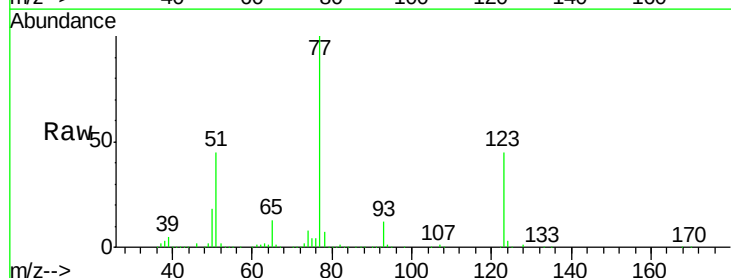
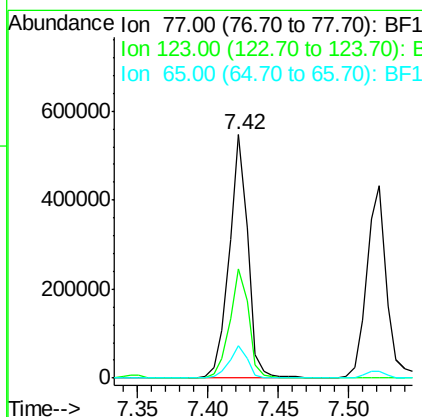
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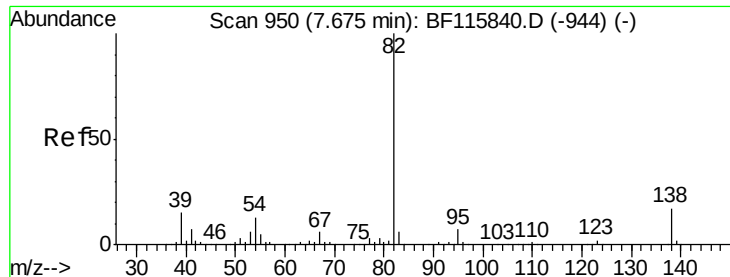
mohammad
8/14/2019 2:55:01 AM



#24
Nitrobenzene
Concen: 46.901 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	45.0	36.7	55.1	
65	13.3	10.6	16.0	





#25

Isophorone

Concen: 48.453 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Instrument :

BNA_F

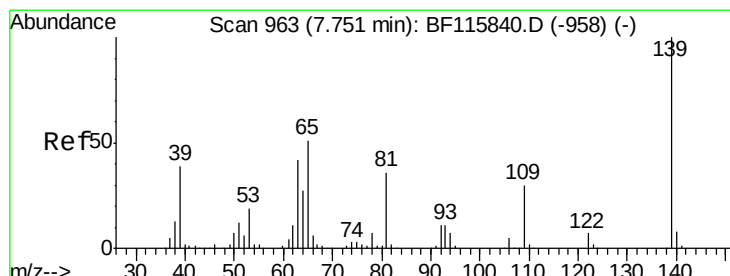
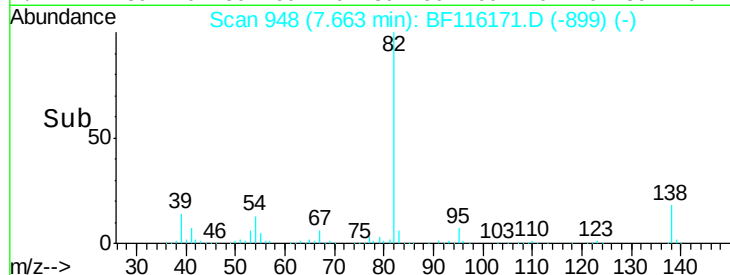
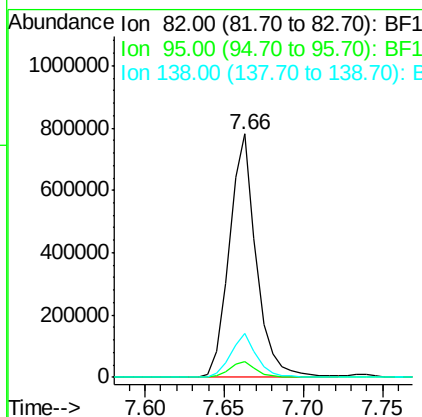
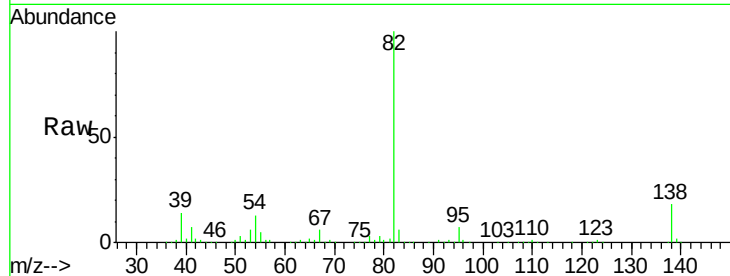
ClientSampled :

PE-4MS

Tot Ion:	82	Resp:	916669
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.4	8.0
138	18.0	14.5	21.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 47.473 ng

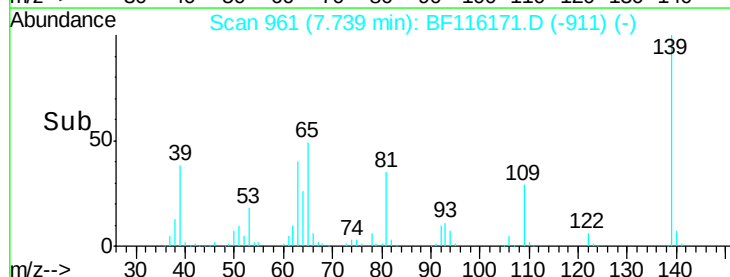
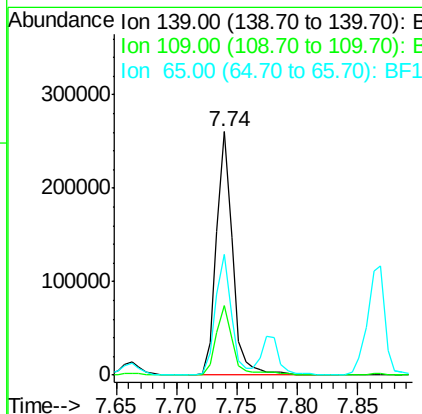
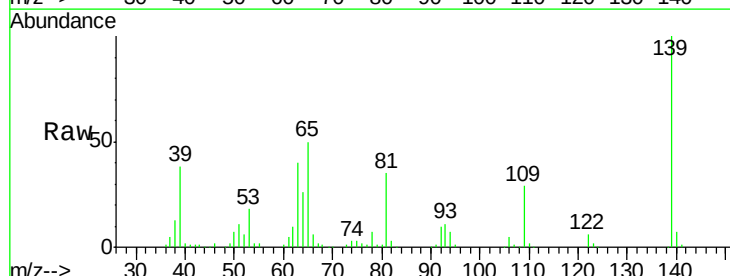
RT: 7.74 min Scan# 961

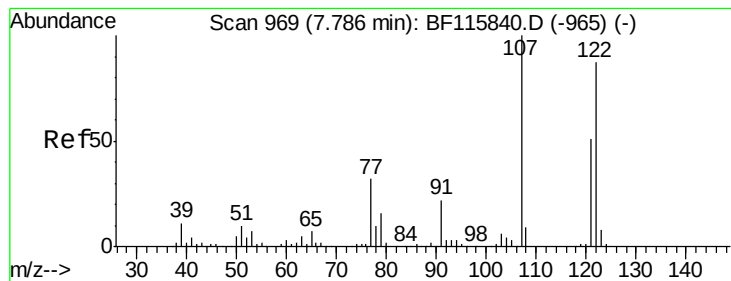
Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Tgt Ion:	139	Resp:	239068
Ion Ratio	Lower	Upper	
139	100		
109	28.8	23.4	35.2
65	49.7	41.1	61.7





#27

2,4-Dimethylphenol

Concen: 52.429 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Instrument :

BNA_F

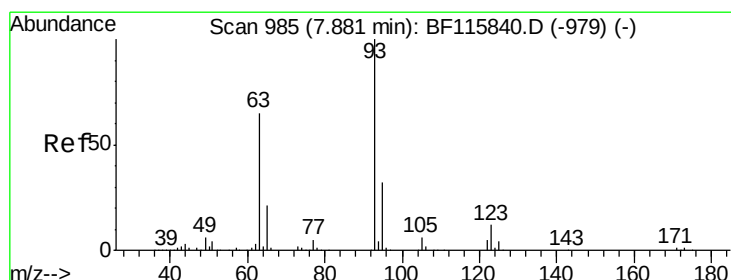
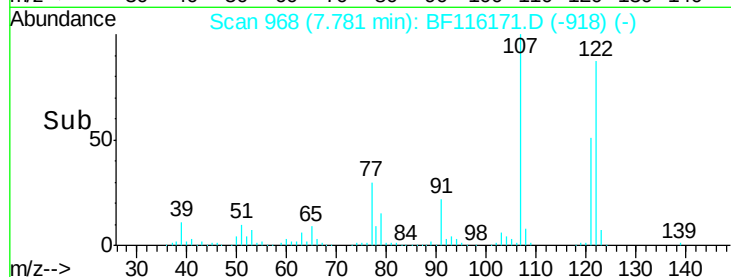
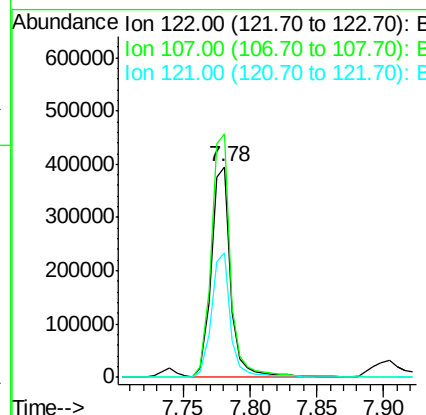
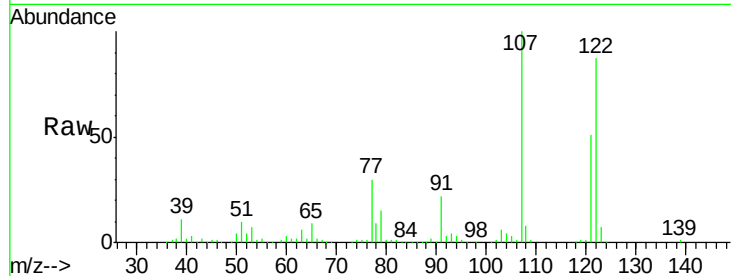
ClientSampled :

PE-4MS

Tot Ion:	122	Resp:	397223
Ion Ratio	Lower	Upper	
122	100		
107	115.5	93.0	139.6
121	59.0	47.6	71.4

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#28

bis(2-Chloroethoxy)methane

Concen: 48.707 ng

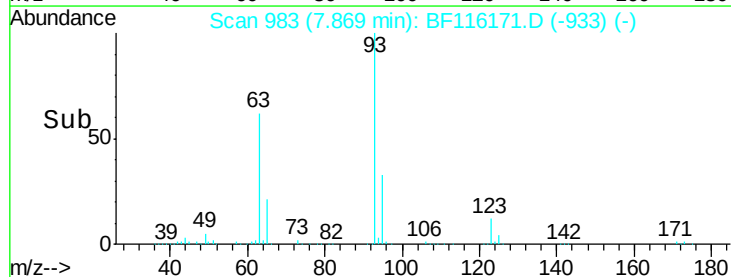
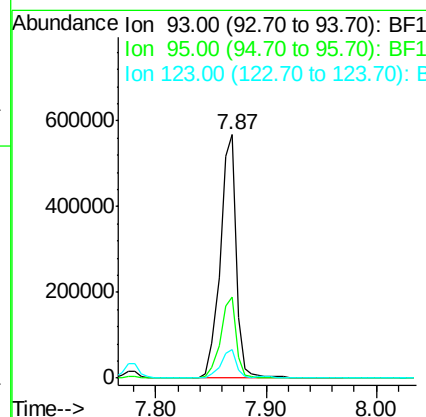
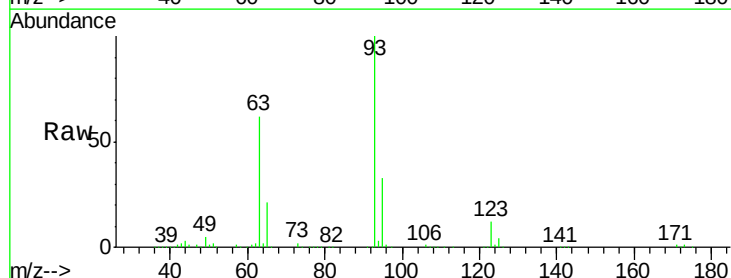
RT: 7.87 min Scan# 983

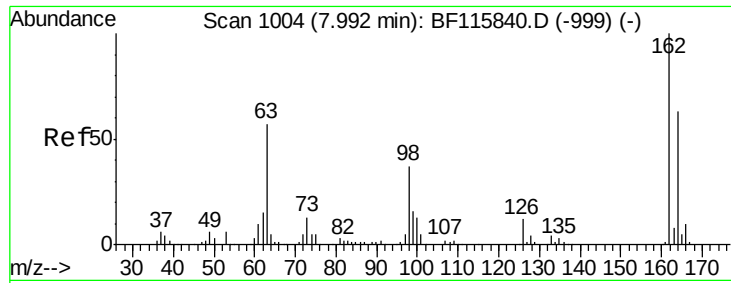
Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Tgt Ion:	93	Resp:	571138
Ion Ratio	Lower	Upper	
93	100		
95	33.3	26.2	39.4
123	11.8	9.2	13.8





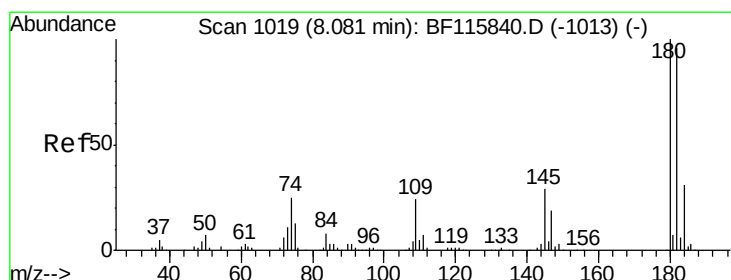
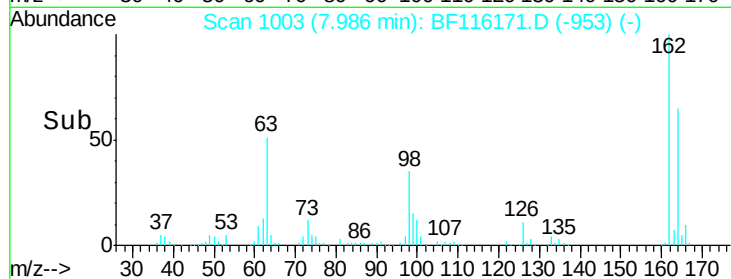
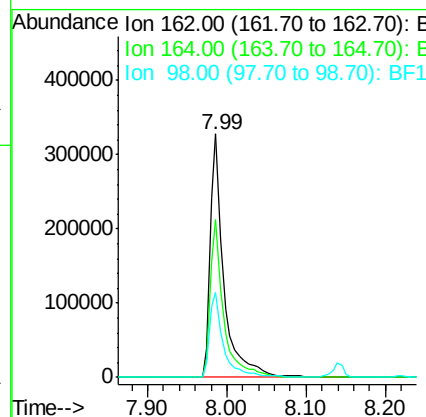
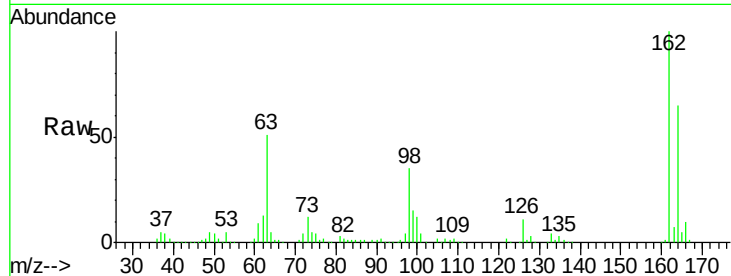
#29
2,4-Dichlorophenol
Concen: 49.066 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampleId :
PE-4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		392511		
164	65.1	45.1	85.1		
98	34.6	15.8	55.8		

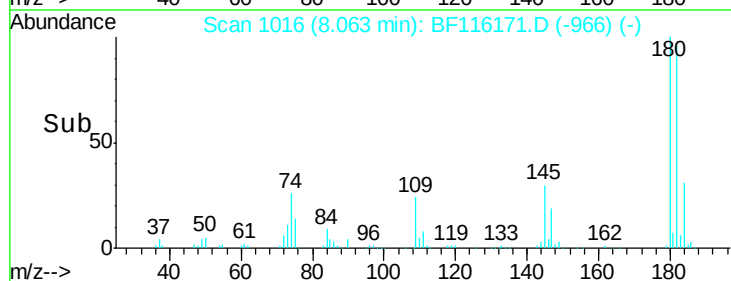
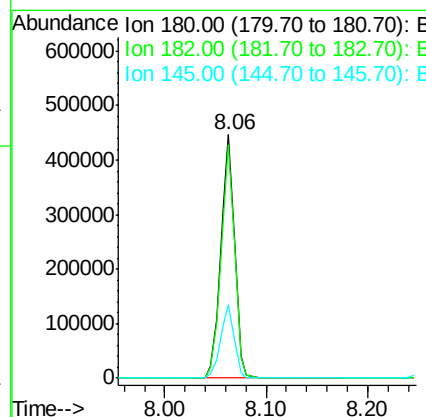
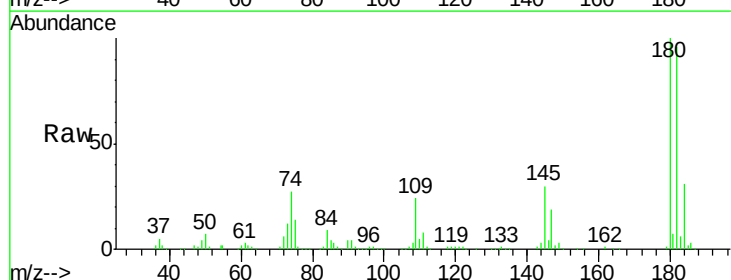
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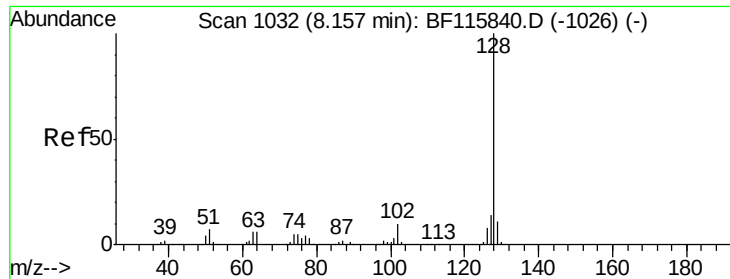
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 46.293 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		422134		
182	95.8	75.7	113.5		
145	30.4	24.3	36.5		





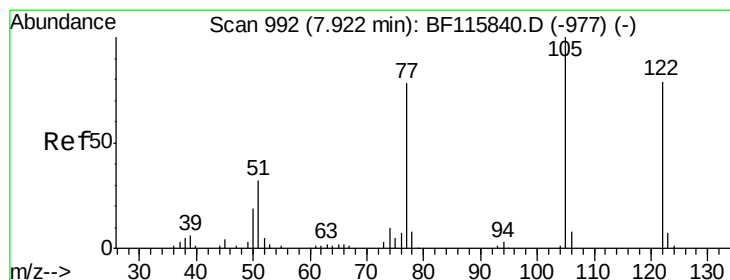
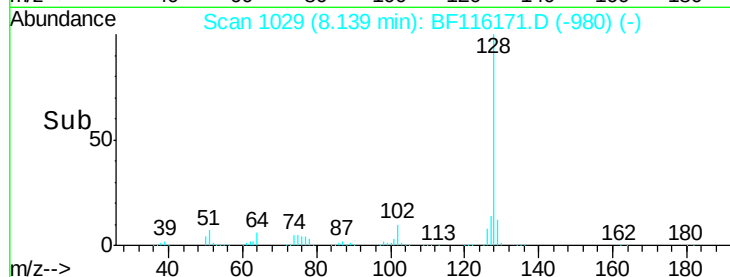
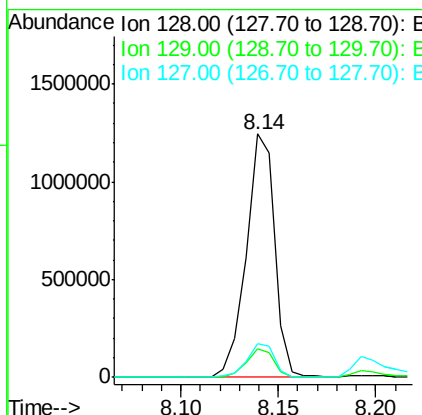
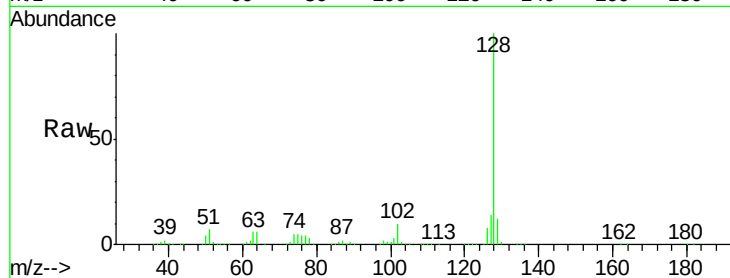
#31
Naphthalene
Concen: 46.866 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampleId :
PE-4MS

Tot Ion:128 Resp: 1259533
Ion Ratio Lower Upper
128 100
129 11.7 9.3 13.9
127 13.8 11.4 17.0

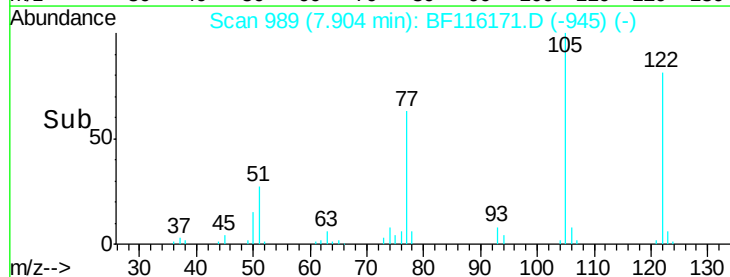
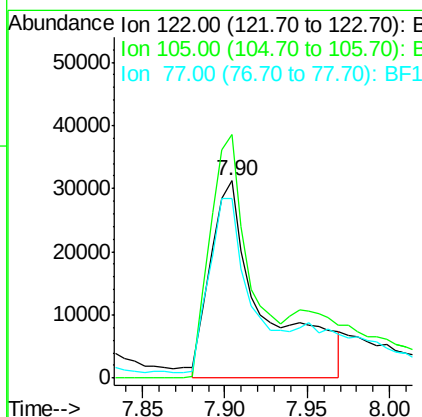
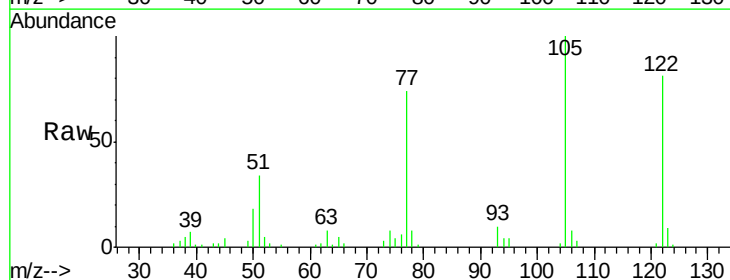
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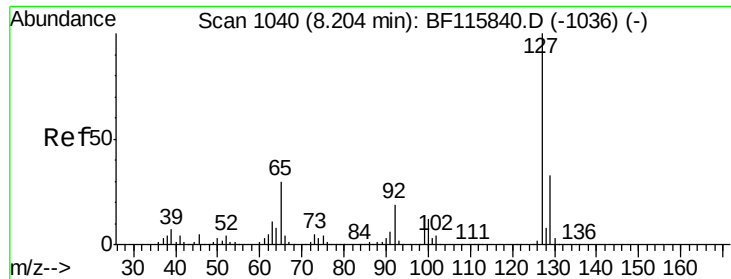
mohammad
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#32
Benzoic acid
Concen: 13.180 ng m
RT: 7.90 min Scan# 989
Delta R.T. -0.04 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion:122 Resp: 70402
Ion Ratio Lower Upper
122 100
105 123.6 106.1 146.1
77 91.4 76.7 116.7





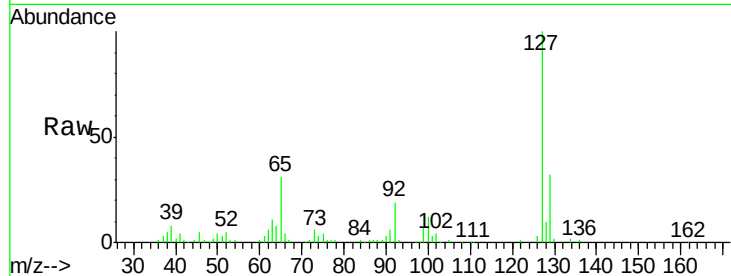
#33
4-Chloroaniline
Concen: 13.137 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampled :
PE-4MS

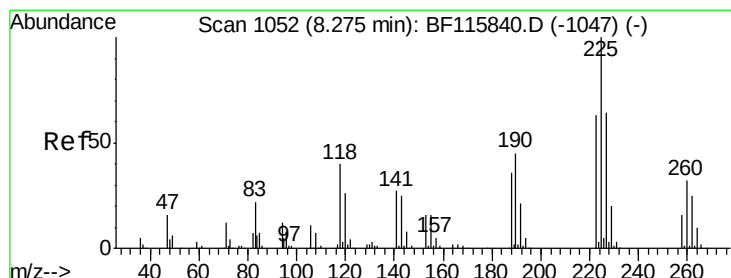
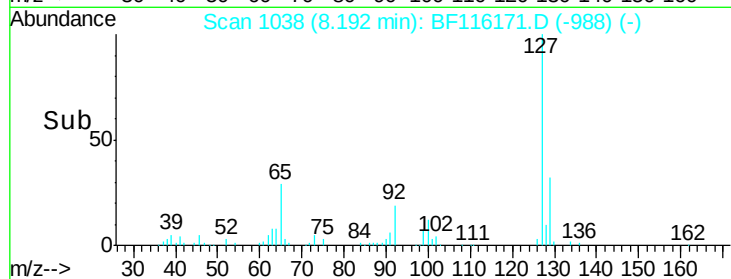
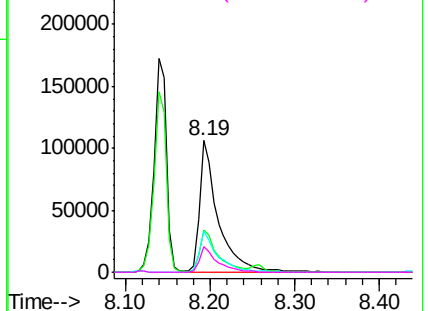
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		157752		
129	31.8	26.1	39.1		
65	31.1	24.9	37.3		
92	19.1	15.7	23.5		

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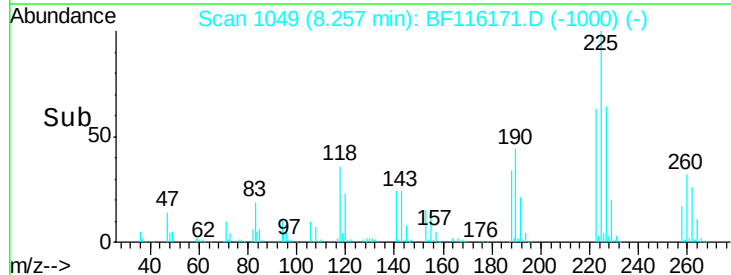
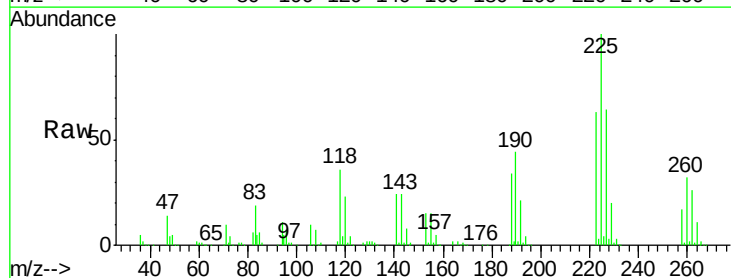
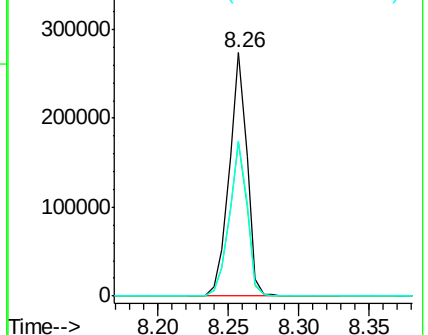
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

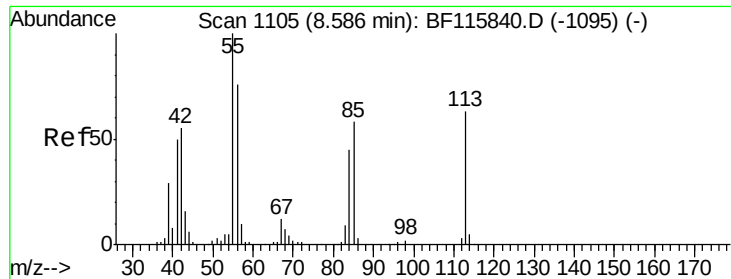


#34
Hexachlorobutadiene
Concen: 45.556 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		239275		
223	63.5	50.0	75.0		
227	63.7	51.0	76.4		

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





#35

Caprolactam

Concen: 41.579 ng/mL

RT: 8.57 min Scan# 1103

Delta R.T. -0.02 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Instrument :

BNA_F

ClientSampleID :

PE-4MS

Tot Ion: 113 Resp: 107576

Ion Ratio Lower Upper

113 100

55 154.7 144.3 184.3

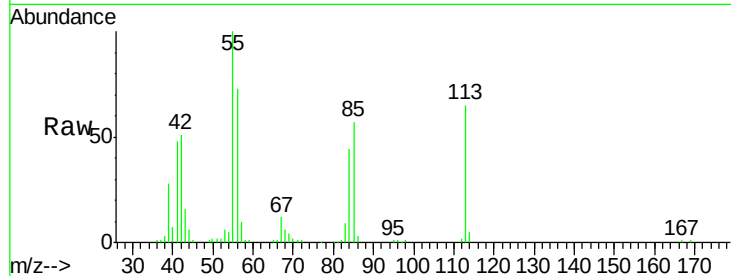
56 112.9 97.1 137.1

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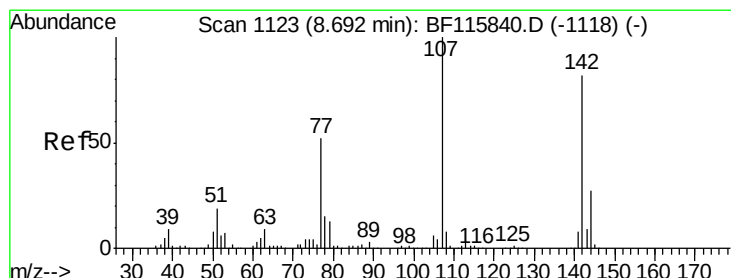
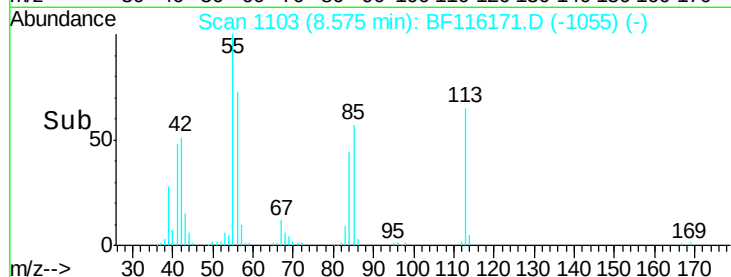
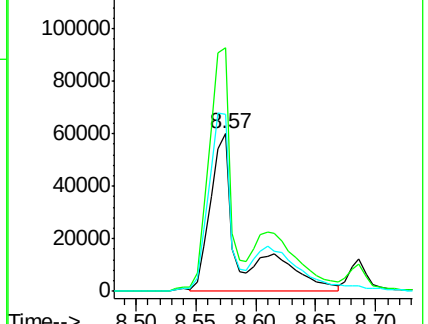
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 46.946 ng/mL

RT: 8.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

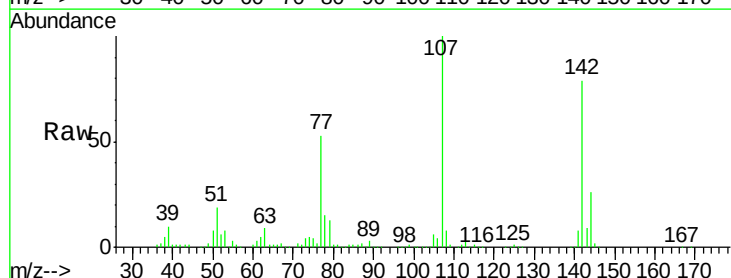
Tgt Ion: 107 Resp: 390691

Ion Ratio Lower Upper

107 100

144 25.5 20.2 30.2

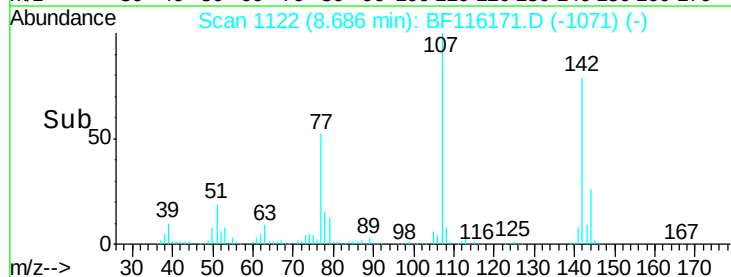
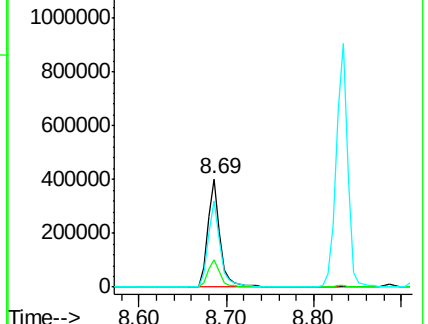
142 79.2 61.7 92.5

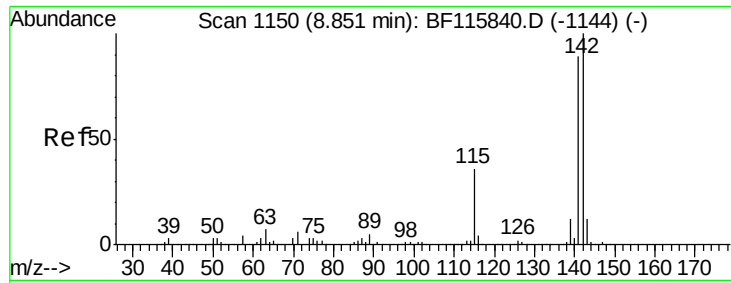


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





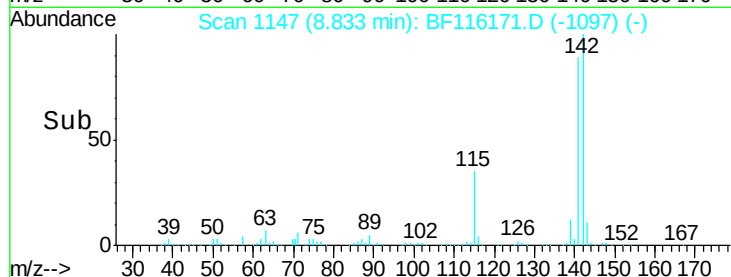
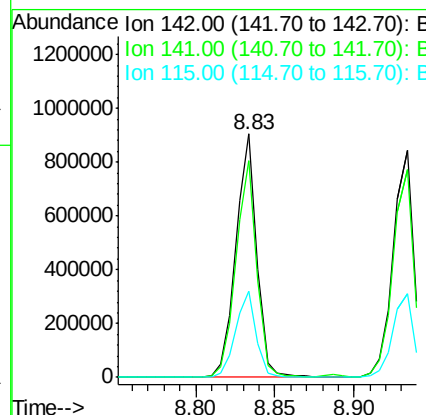
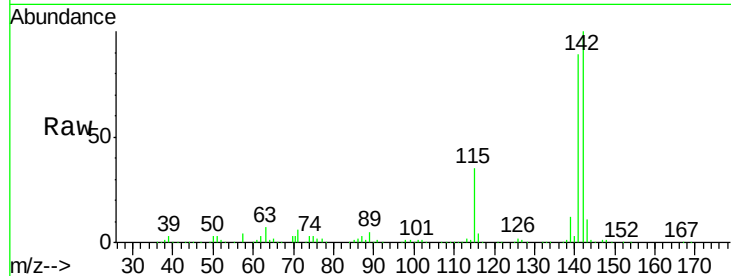
#37
2-Methylnaphthalene
Concen: 46.607 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampleId :
PE-4MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.9	106.3
115	35.2	29.0	43.6

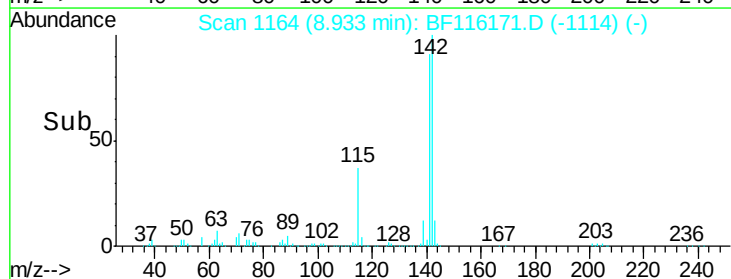
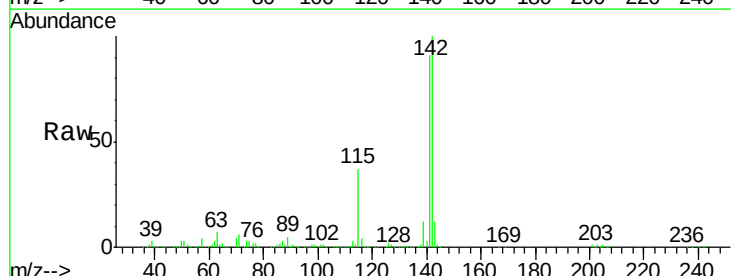
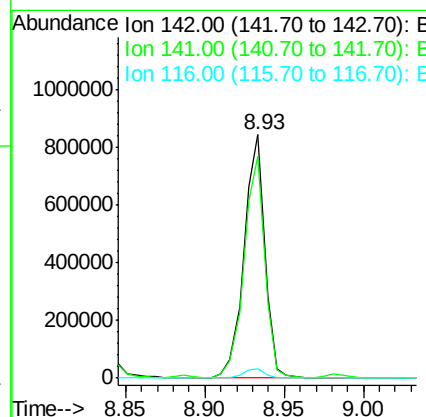
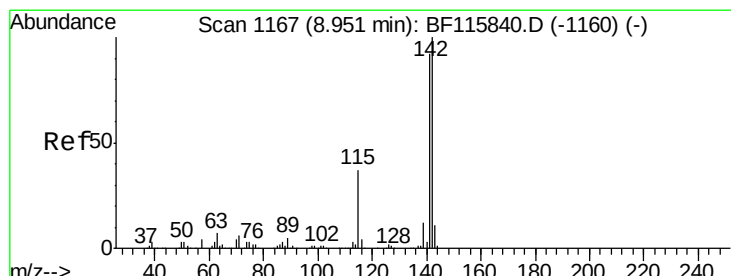
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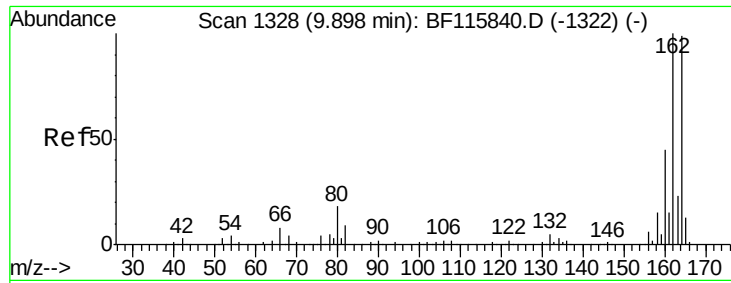
mohammad
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#38
1-Methylnaphthalene
Concen: 45.448 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	74.4	111.6
116	3.8	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Instrument :

BNA_F

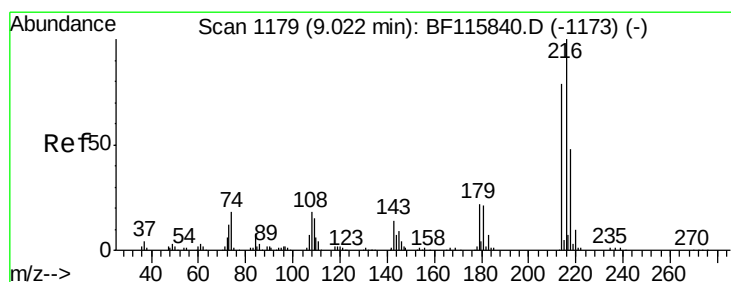
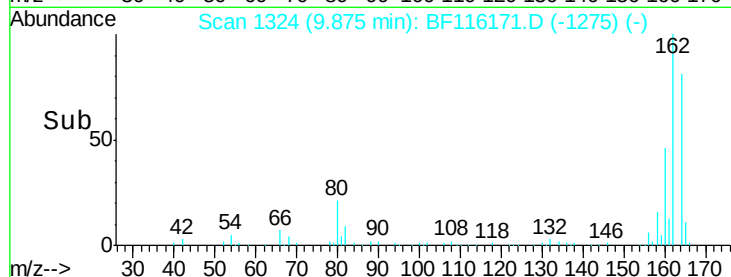
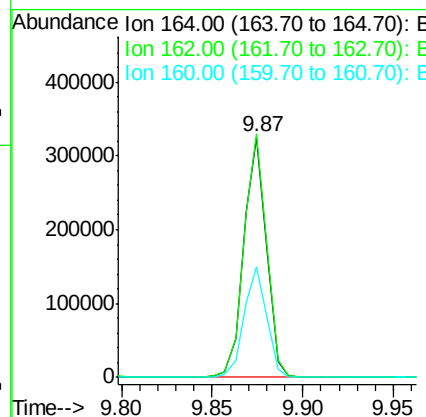
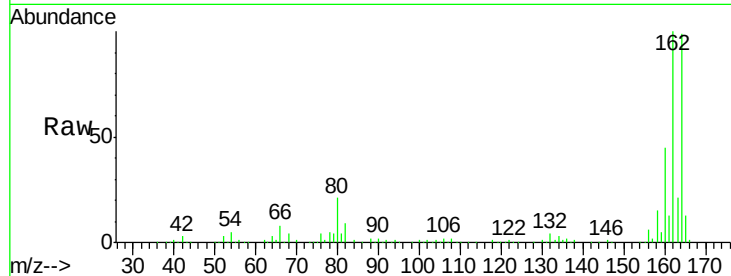
ClientSampleId :

PE-4MS

Tot Ion:	164	Resp:	280219
Ion Ratio	Lower	Upper	
164	100		
162	101.3	82.6	124.0
160	45.9	37.6	56.4

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.083 ng

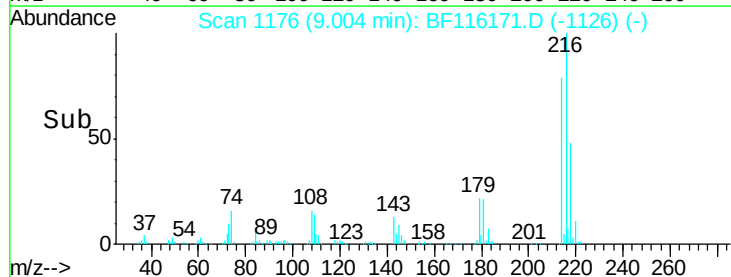
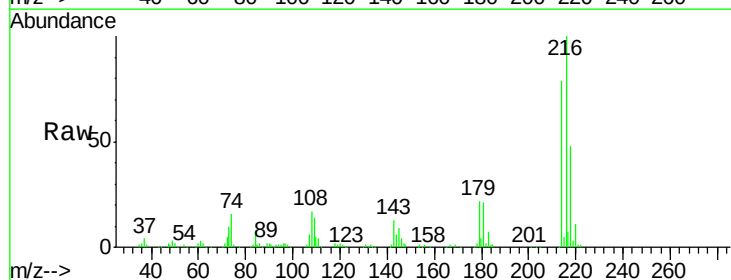
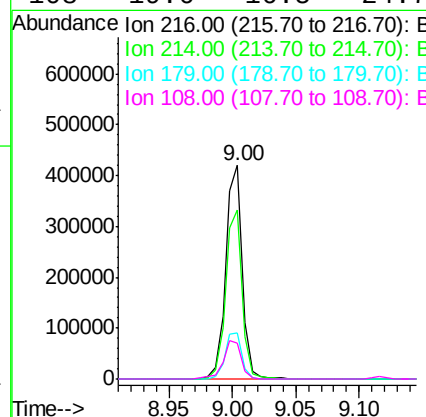
RT: 9.00 min Scan# 1176

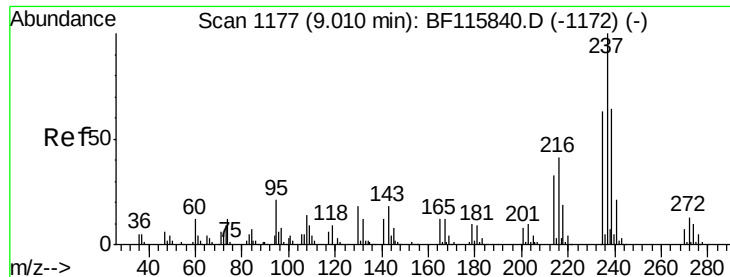
Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Tgt Ion:	216	Resp:	382682
Ion Ratio	Lower	Upper	
216	100		
214	79.1	63.6	95.4
179	22.2	17.8	26.8
108	19.6	16.5	24.7





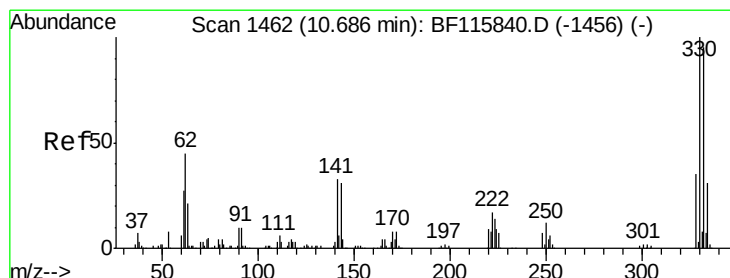
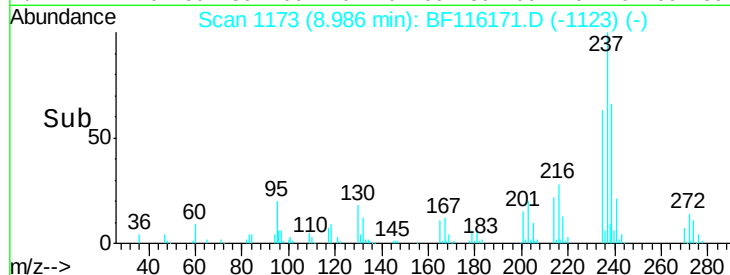
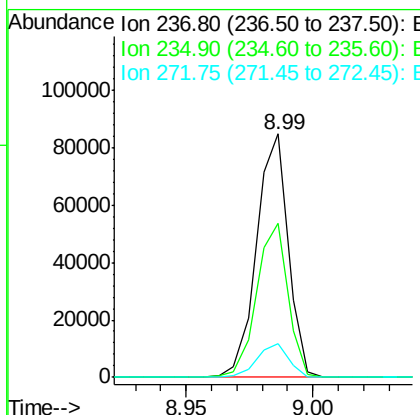
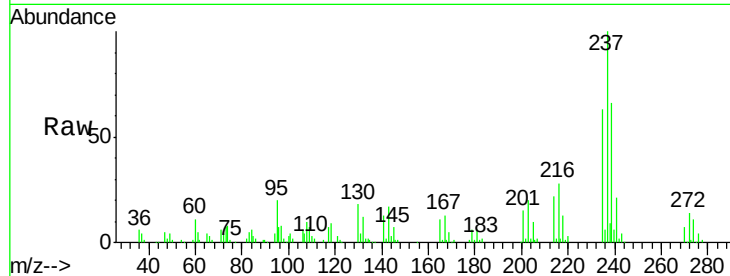
#41
Hexachlorocyclopentadiene
Concen: 26.307 ng
RT: 8.99 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampled :
PE-4MS

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	63.0	43.4	83.4
272	14.0	0.0	33.2

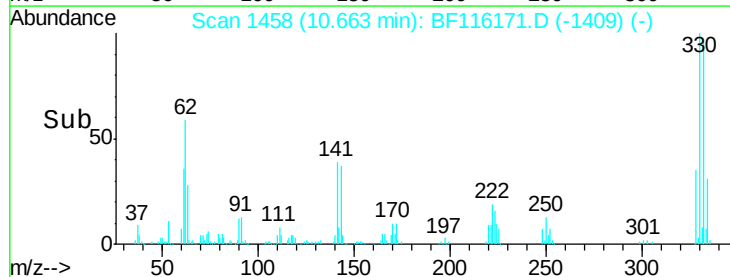
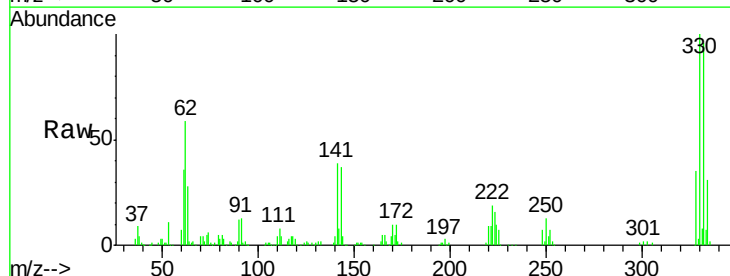
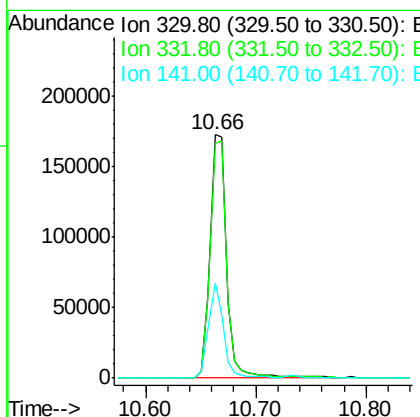
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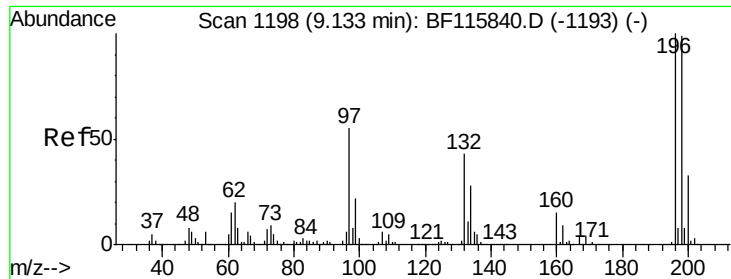
mohammad
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#42
2,4,6-Tribromophenol
Concen: 64.751 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	98.2	76.8	115.2
141	34.5	26.3	39.5





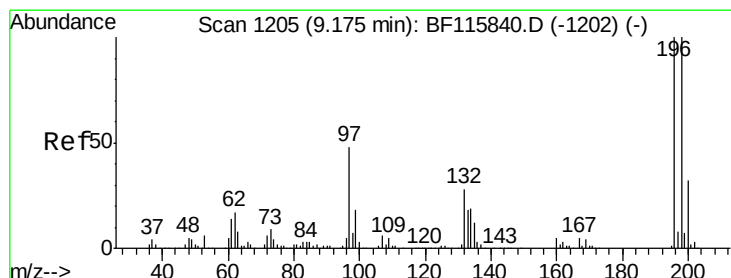
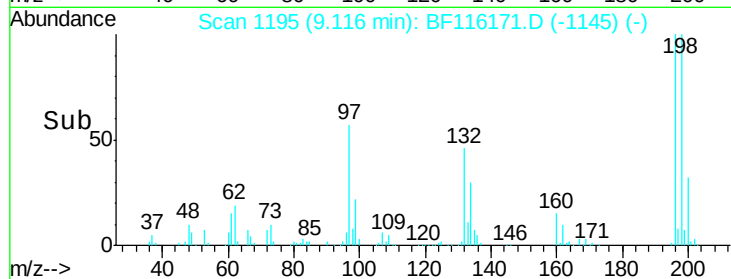
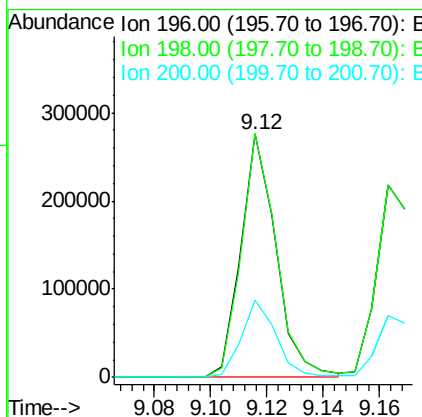
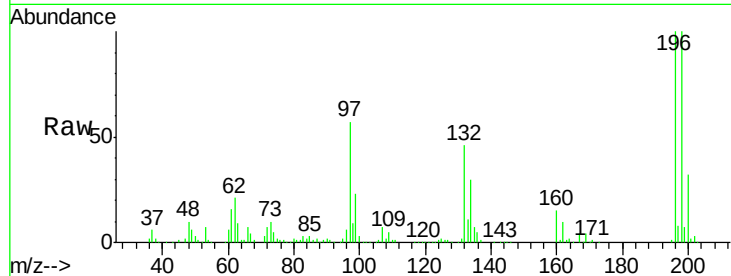
#43
 2,4,6-Trichlorophenol
 Concen: 46.388 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Instrument :
 BNA_F
 ClientSampled :
 PE-4MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	239197		
198	100.0	79.2	118.8	
200	31.9	25.2	37.8	

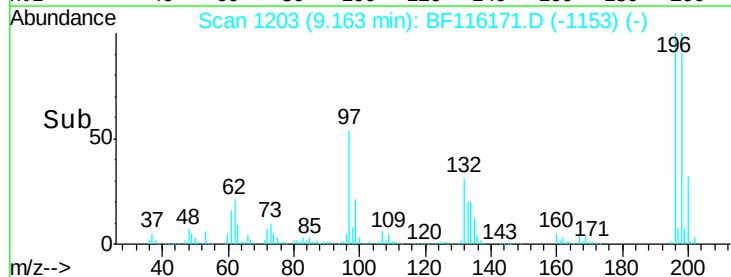
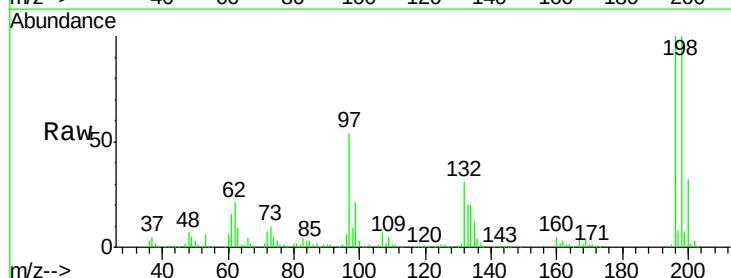
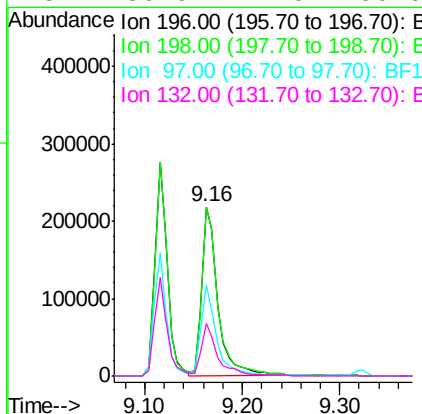
Manual Integrations
 APPROVED

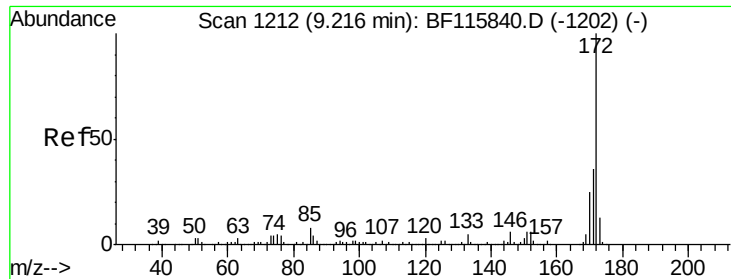
mohammad
 8/14/2019 2:55:01 AM



#44
 2,4,5-Trichlorophenol
 Concen: 47.295 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	252090		
198	99.9	78.8	118.2	
97	53.9	42.2	63.4	
132	30.9	24.0	36.0	





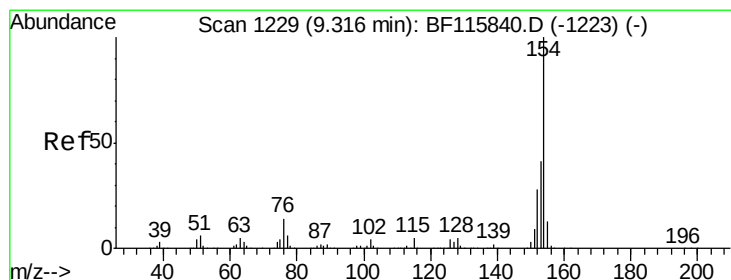
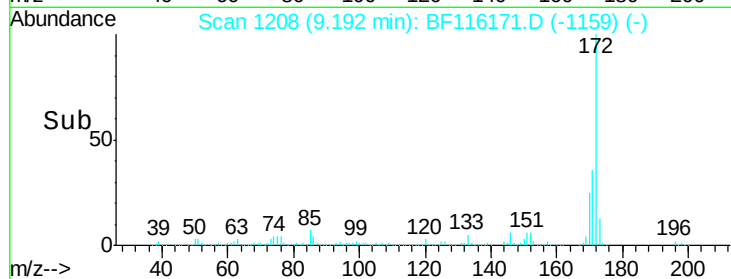
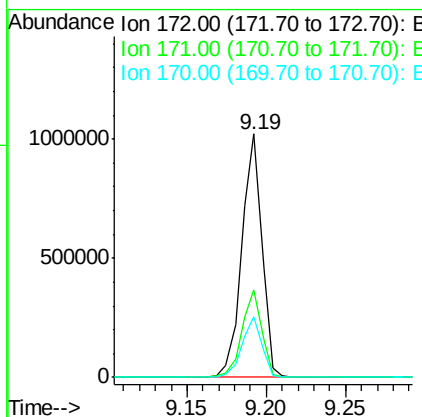
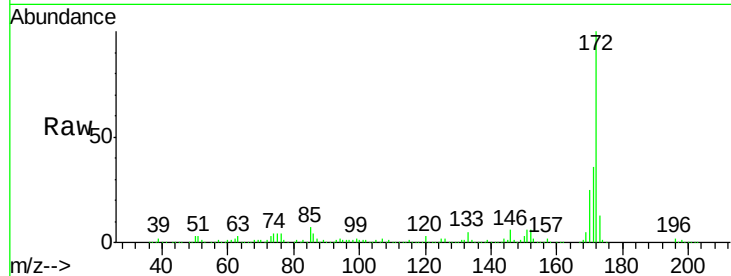
#45
2-Fluorobiphenyl
Concen: 59.769 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampleId :
PE-4MS

Tot Ion	Ratio	Resp	Lower	Upper
172	100	894164		
171	36.1		29.6	44.4
170	24.7		20.1	30.1

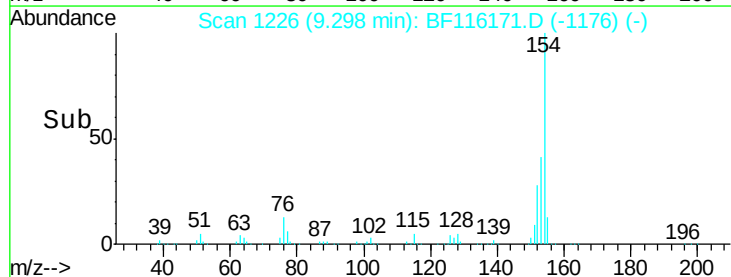
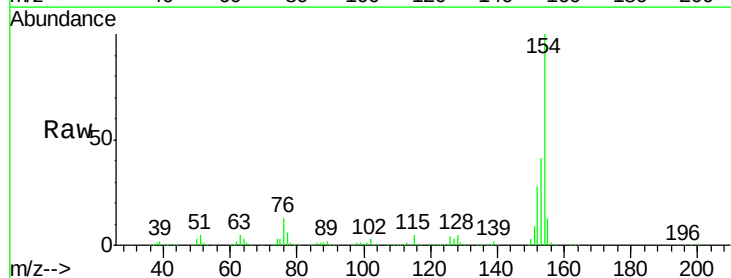
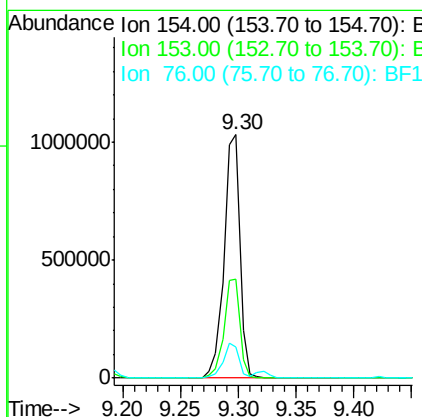
Manual Integrations
APPROVED

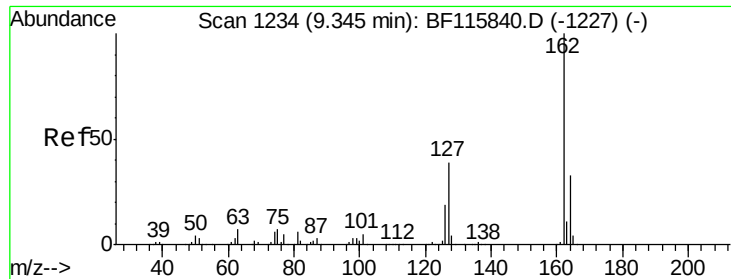
mohammad
8/14/2019 2:55:01 AM



#46
1,1'-Biphenyl
Concen: 49.883 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	986857		
153	40.9		21.4	61.4
76	12.6		0.0	35.2





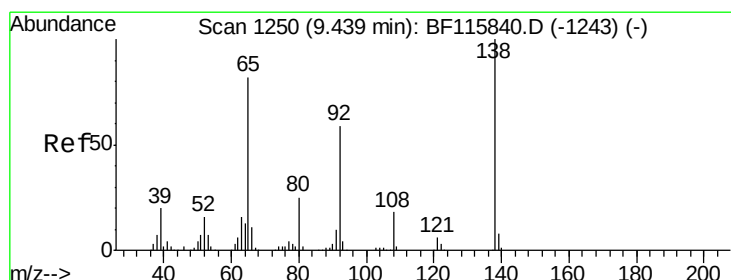
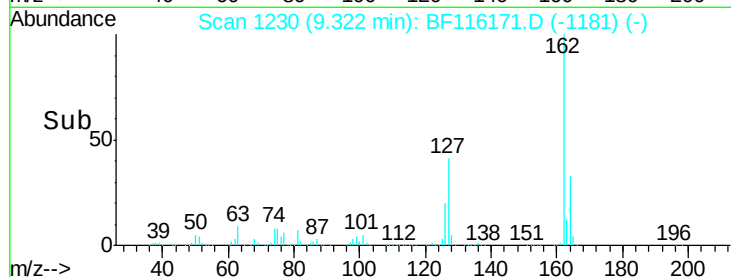
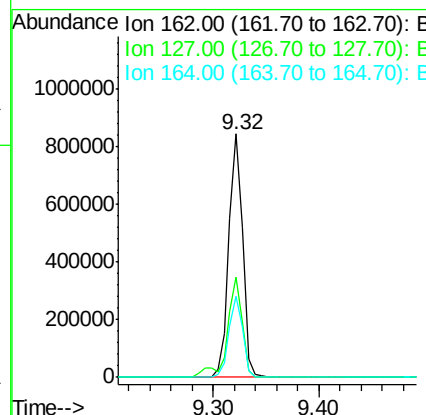
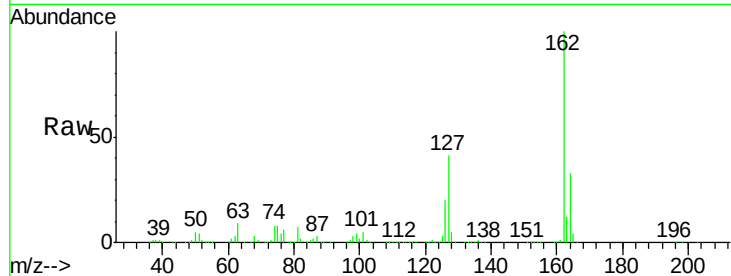
#47
2-Chloronaphthalene
Concen: 47.102 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampled :
PE-4MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	775560		
127	41.3	32.8	49.2	
164	33.1	26.6	39.8	

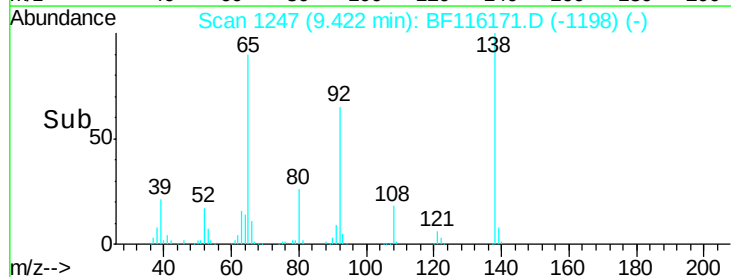
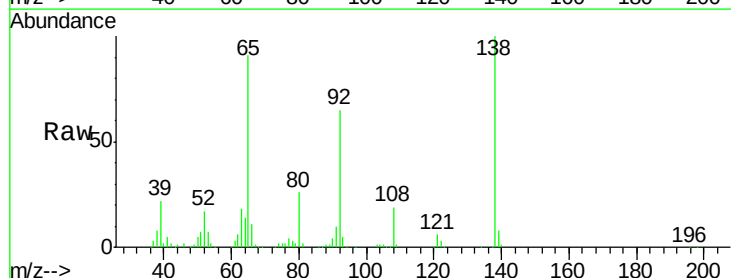
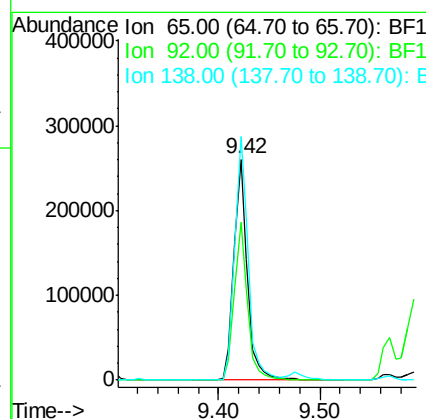
Manual Integrations
APPROVED

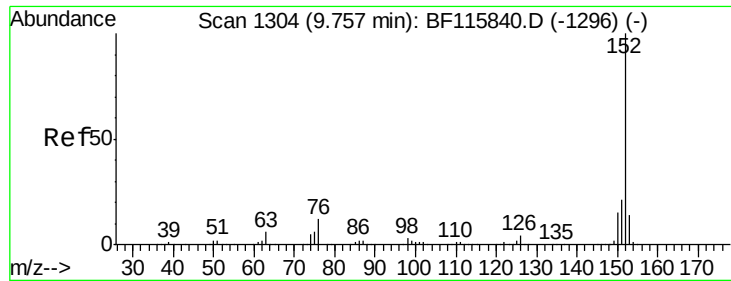
mohammad
8/14/2019 2:55:01 AM



#48
2-Nitroaniline
Concen: 44.398 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	241634		
92	71.6	57.8	86.8	
138	110.2	94.0	141.0	





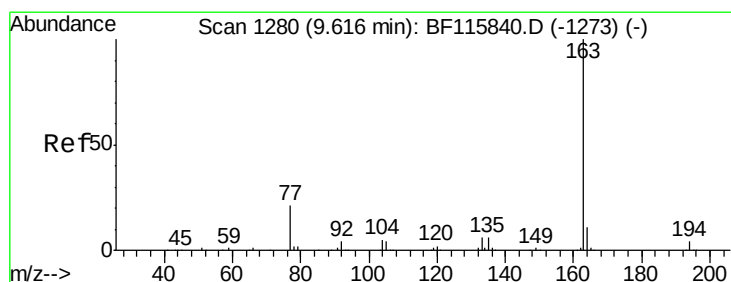
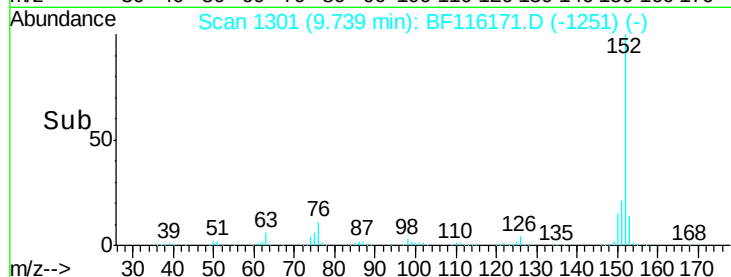
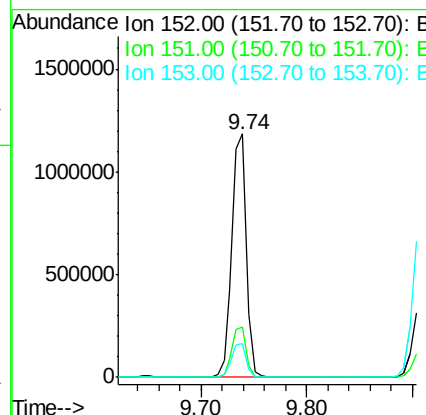
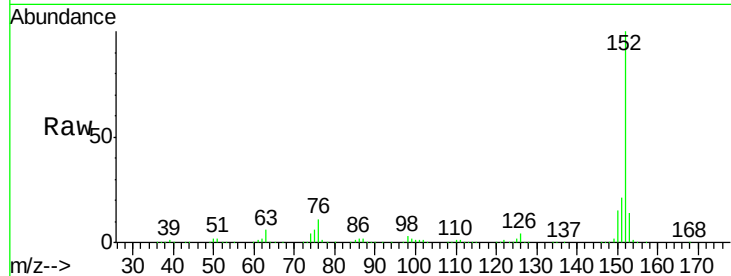
#49
Acenaphthylene
Concen: 46.667 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampleId :
PE-4MS

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.2	25.8
153	13.8	11.8	17.8

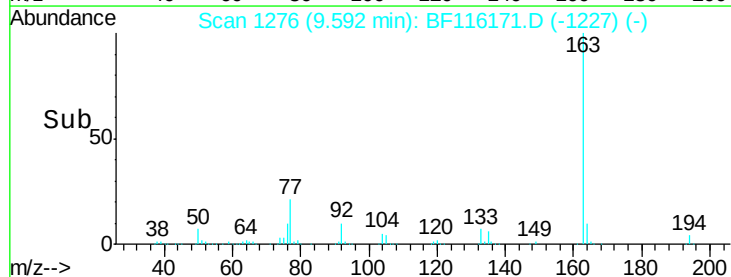
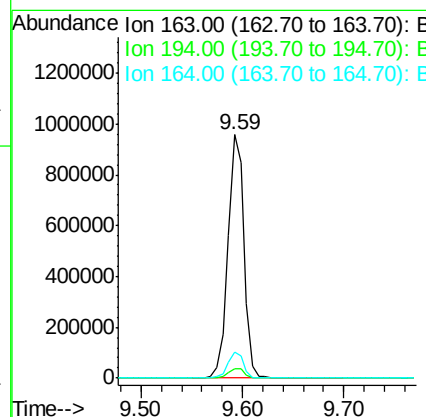
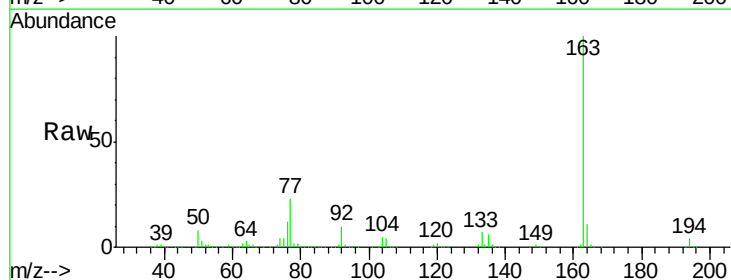
Manual Integrations
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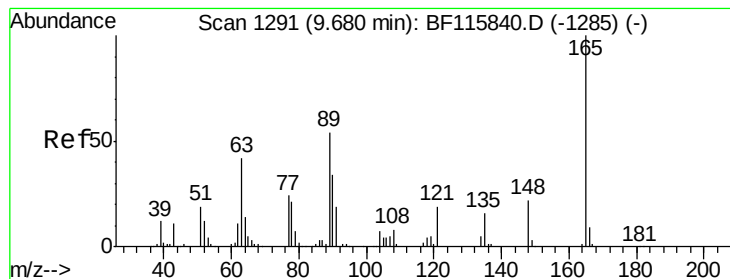
mohammad
8/14/2019 2:55:01 AM



#50
Dimethylphthalate
Concen: 54.700 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.6	8.4	12.6





#51

2,6-Dinitrotoluene

Concen: 47.858 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Instrument :

BNA_F

ClientSampleId :

PE-4MS

Tot Ion:165 Resp: 198437
Ion Ratio Lower Upper

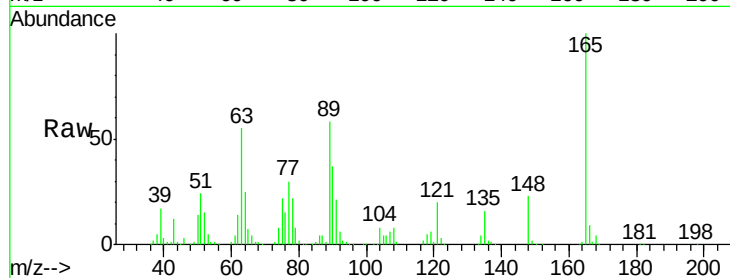
165 100

63 55.0 38.2 57.2

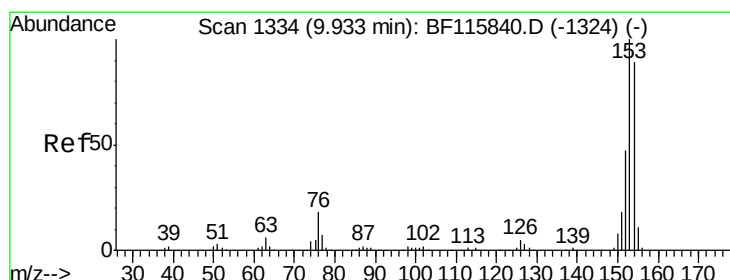
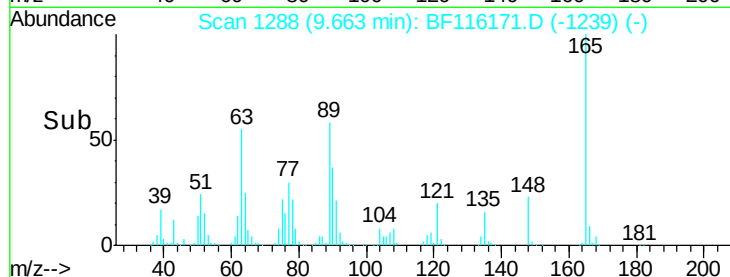
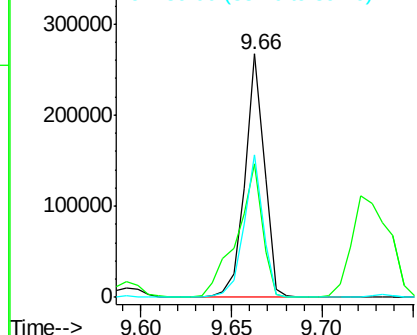
89 58.3 42.9 64.3

Manual Integrations
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mohammad
8/14/2019 2:55:01 AM



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 45.211 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF116171.D

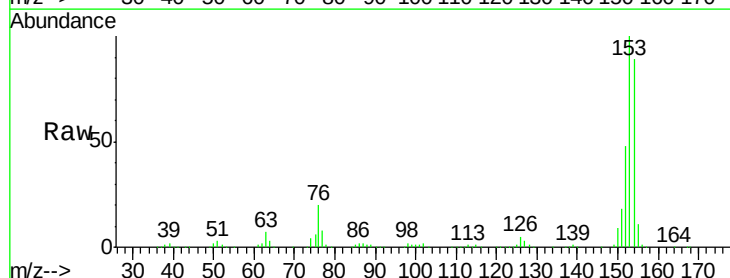
Acq: 11 Aug 2019 3:11

Tgt Ion:154 Resp: 666273
Ion Ratio Lower Upper

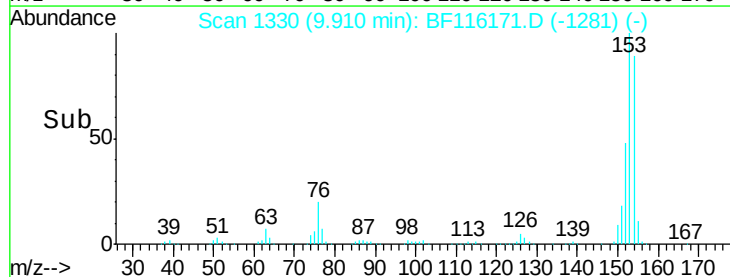
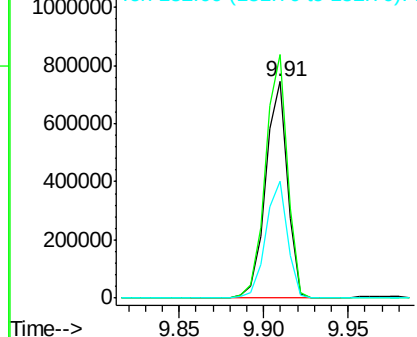
154 100

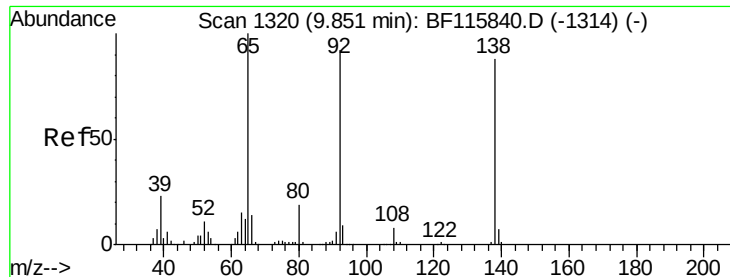
153 112.5 89.4 134.0

152 53.9 42.3 63.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





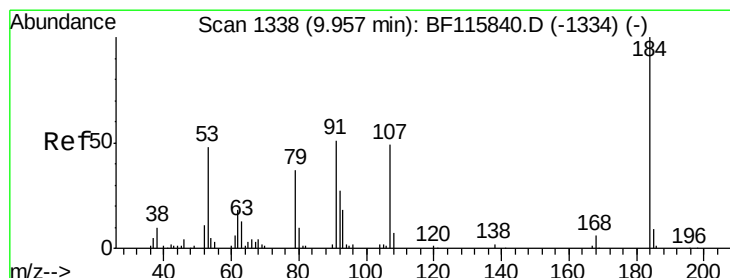
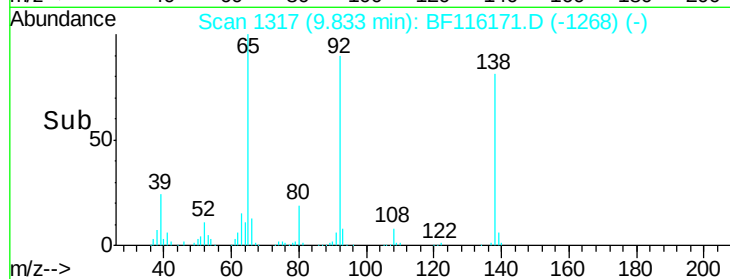
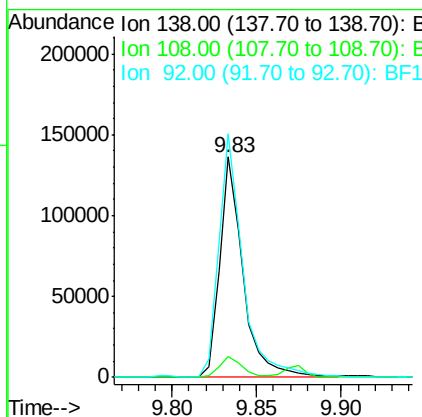
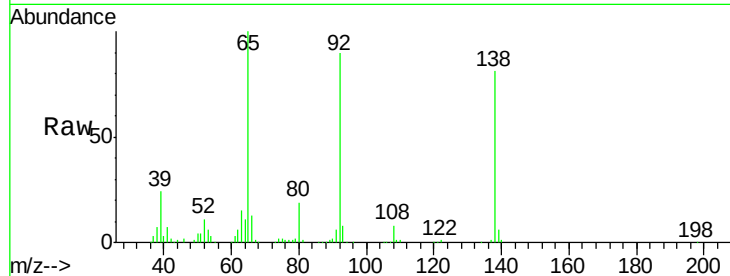
#53
 3-Nitroaniline
 Concen: 25.851 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MS

Tot Ion	Ratio	Resp	Lower	Upper
138	100	132446		
108	9.6	8.0	12.0	
92	110.7	91.0	136.6	

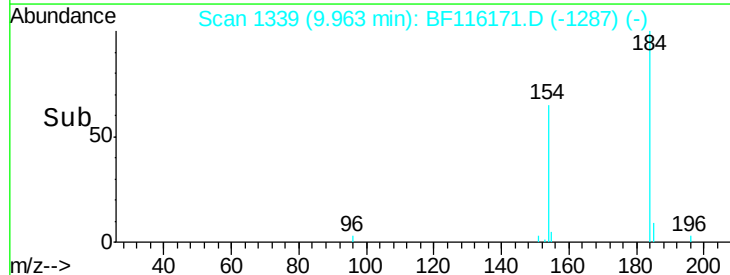
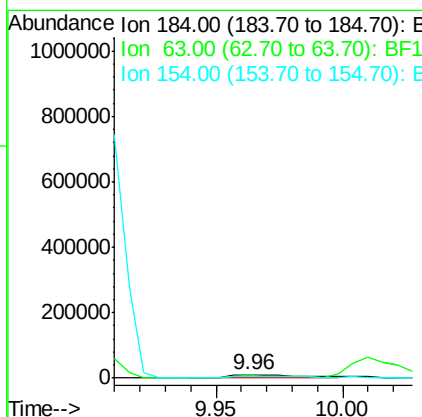
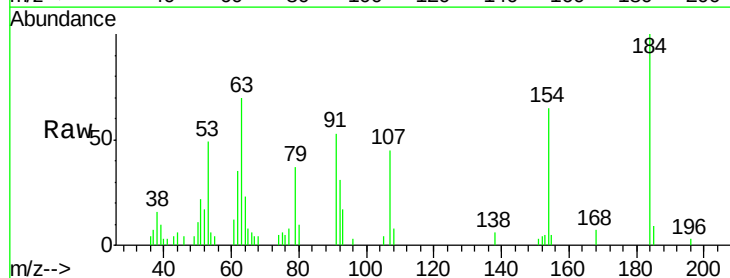
Manual Integrations
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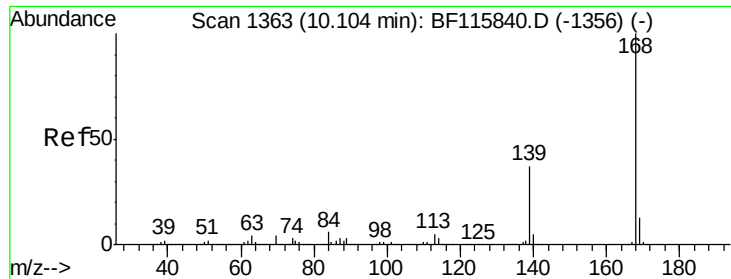
mohammad
 8/14/2019 2:55:01 AM



#54
 2,4-Dinitrophenol
 Concen: 16.612 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. 0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	20565		
63	69.7	53.0	79.4	
154	64.7	50.1	75.1	





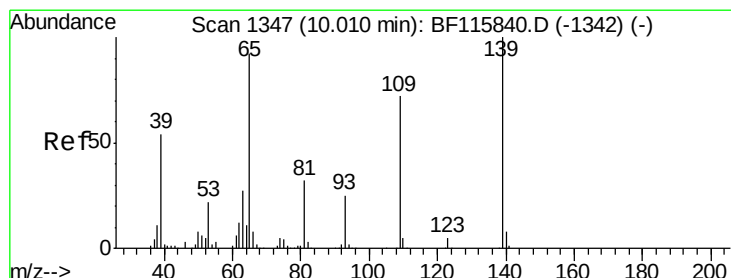
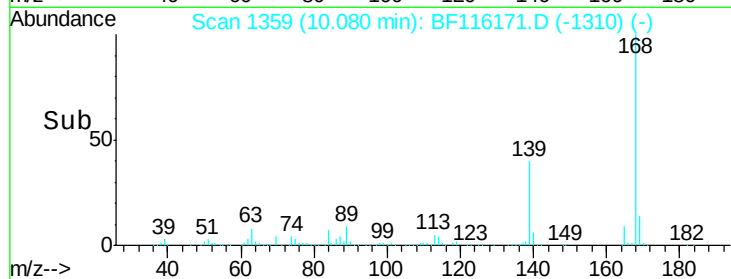
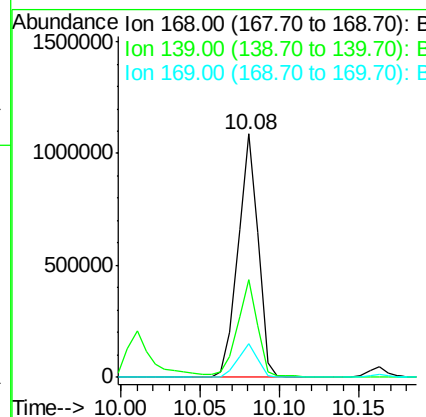
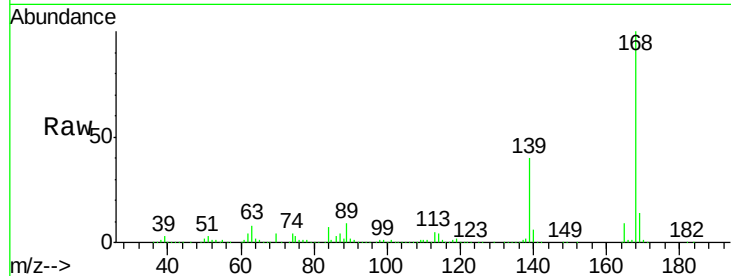
#55
Dibenzofuran
Concen: 44.669 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampled :
PE-4MS

Tot Ion	Ratio	Resp	Lower	Upper
168	100	957324		
139	39.9		31.4	47.2
169	13.7		10.9	16.3

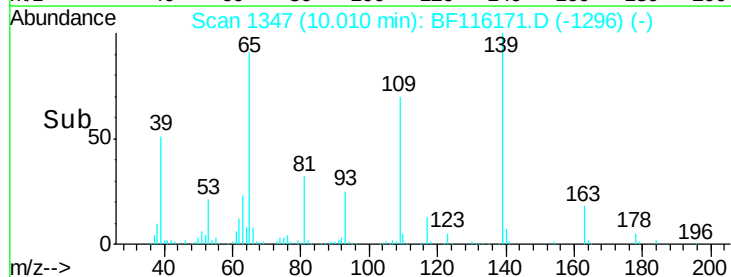
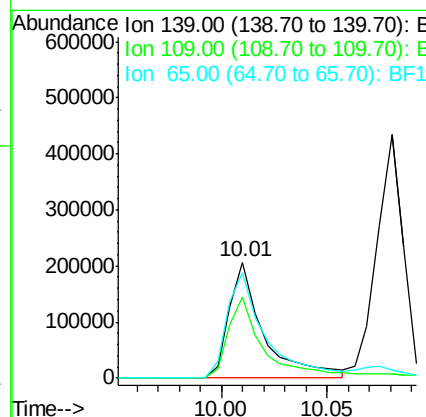
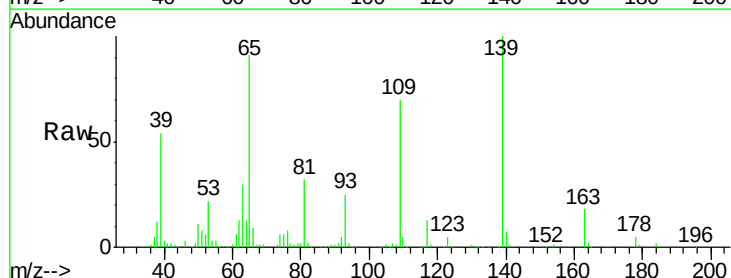
Manual Integrations
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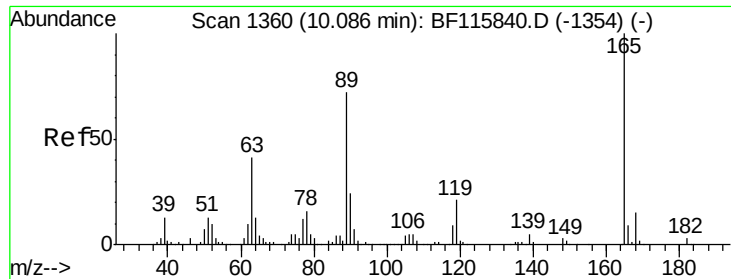
mohammad
8/14/2019 2:55:01 AM



#56
4-Nitrophenol
Concen: 71.620 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	235058		
109	70.5		54.4	94.4
65	91.3		80.6	120.6





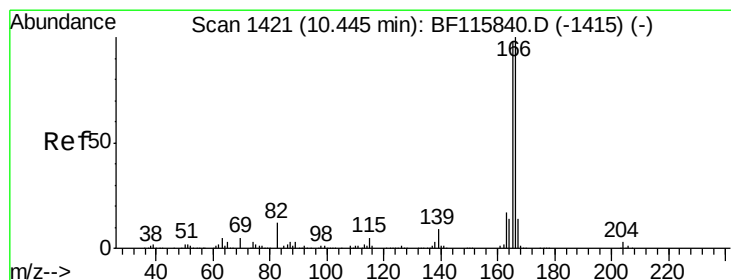
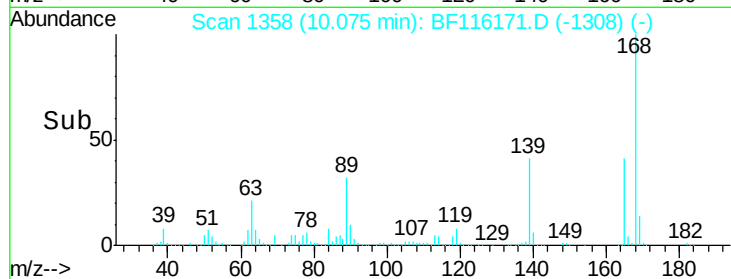
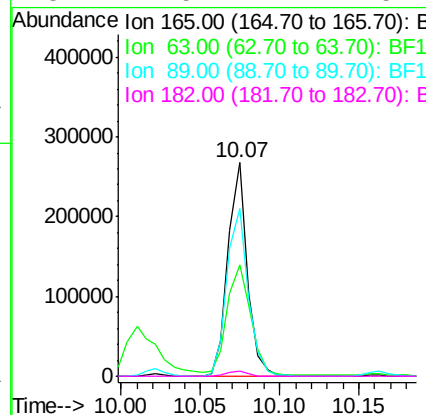
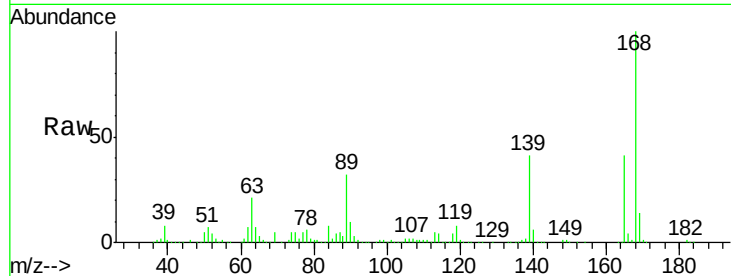
#57
2,4-Dinitrotoluene
Concen: 40.959 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampleId :
PE-4MS

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	52.3	39.6	59.4
89	78.7	62.2	93.2
182	2.5	2.1	3.1

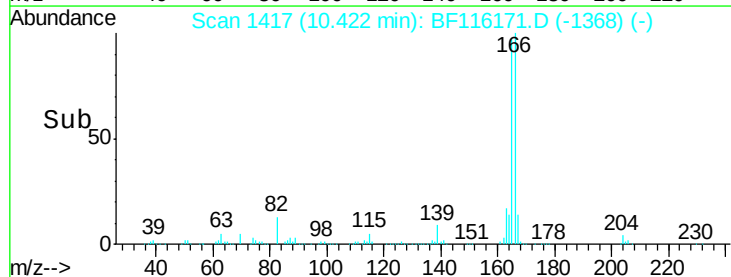
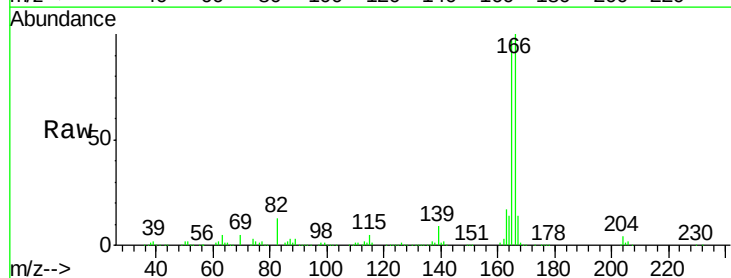
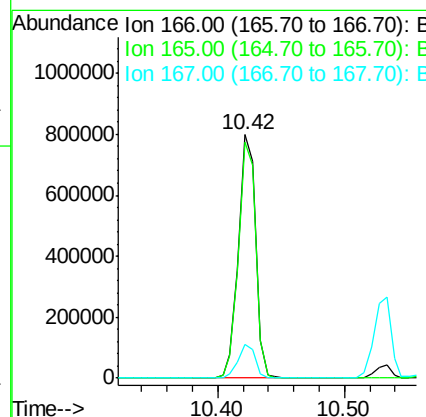
Manual Integrations
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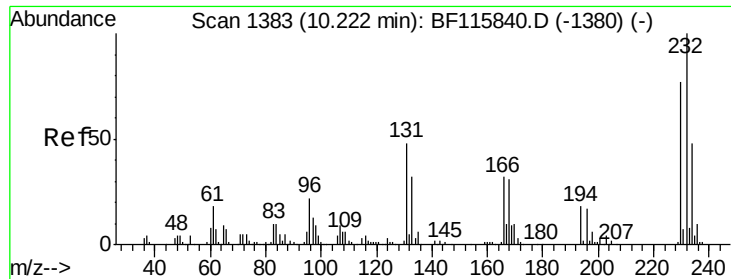
mohammad
8/14/2019 2:55:01 AM



#58
Fluorene
Concen: 44.992 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	96.9	78.4	117.6
167	13.8	11.0	16.4





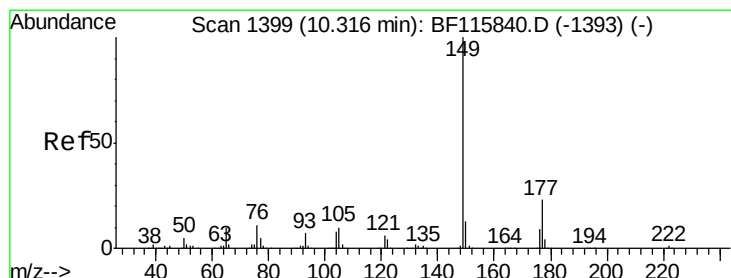
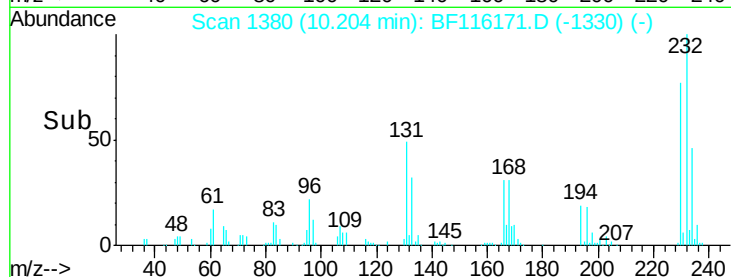
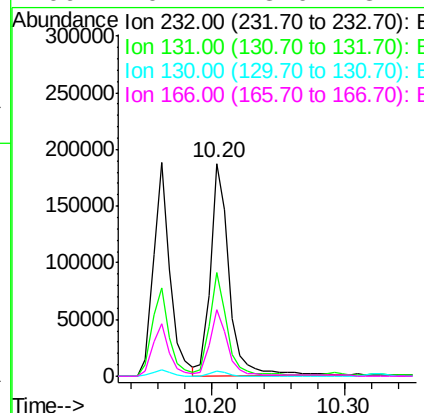
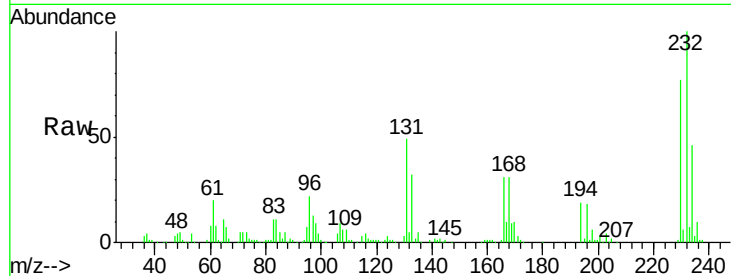
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 40.463 ng
 RT: 10.20 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MS

Tot Ion:	232	Resp:	181450
Ion Ratio	Lower	Upper	
232	100		
131	45.2	36.2	54.2
130	2.3	1.9	2.9
166	29.7	23.0	34.4

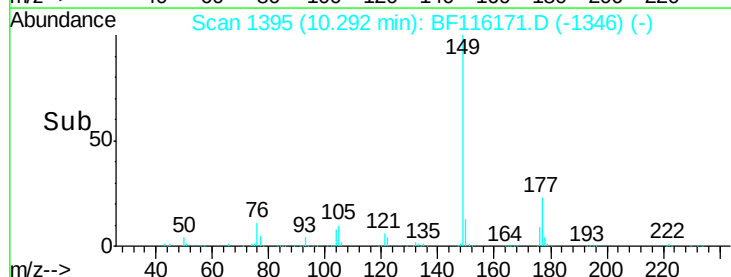
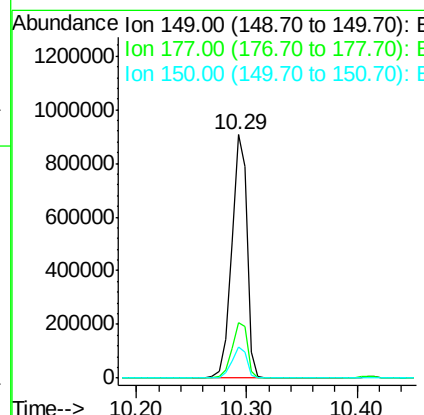
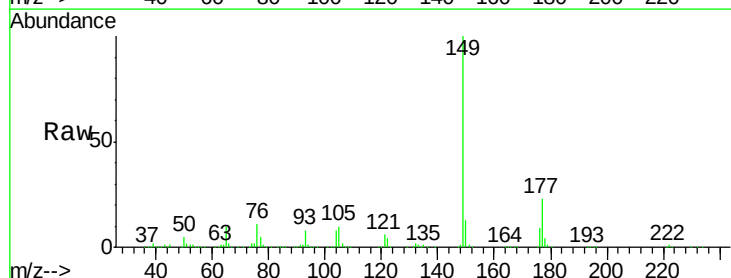
Manual Integrations
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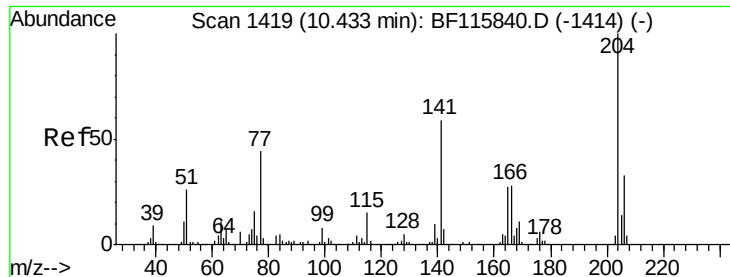
mohammad
 8/14/2019 2:55:01 AM



#60
 Diethylphthalate
 Concen: 49.645 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Tgt Ion:	149	Resp:	884348
Ion Ratio	Lower	Upper	
149	100		
177	22.7	18.8	28.2
150	13.0	10.2	15.4





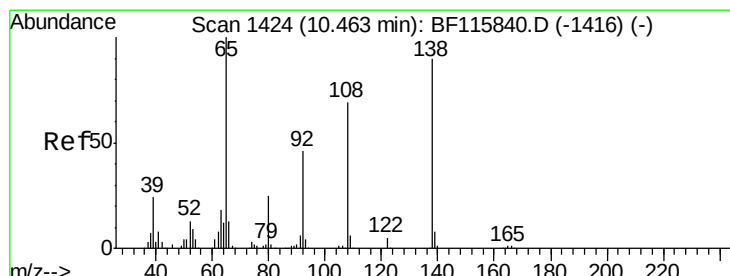
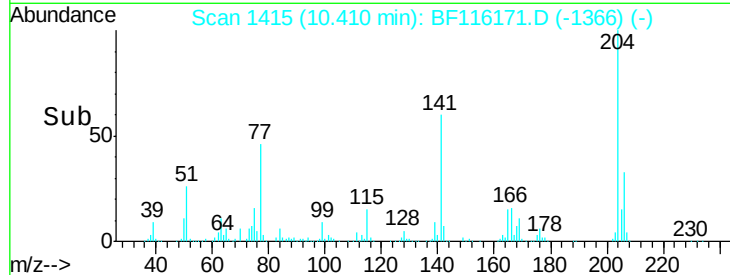
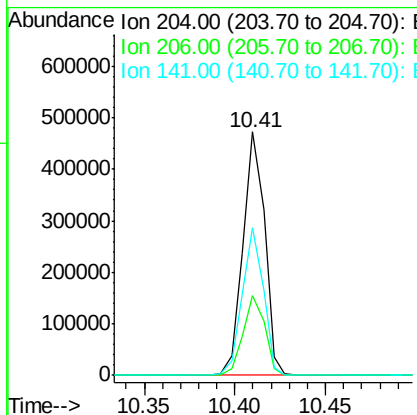
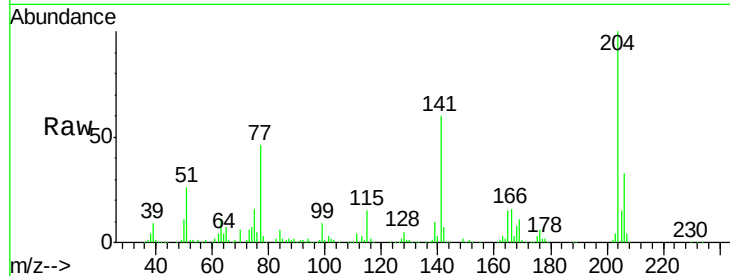
#61
 4-Chlorophenyl-phenylether
 Concen: 47.028 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MS

Tot Ion:	204	Resp:	392724
Ion Ratio	Lower	Upper	
204	100		
206	33.0	26.4	39.6
141	60.5	46.4	69.6

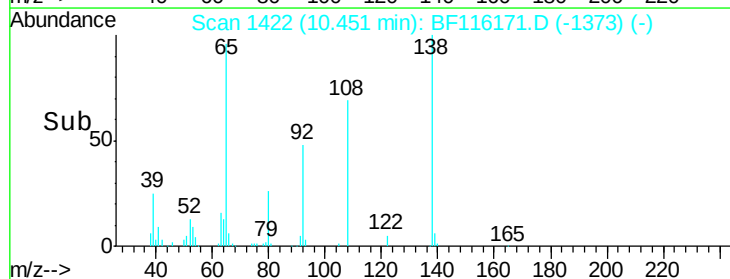
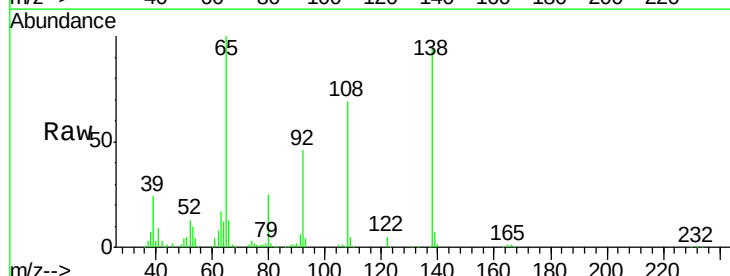
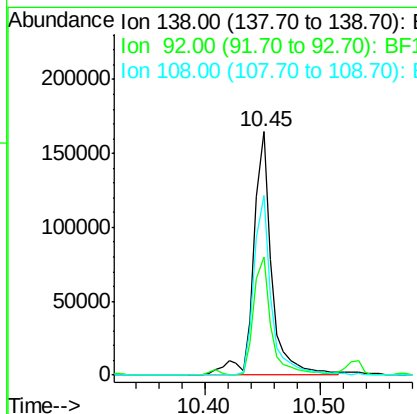
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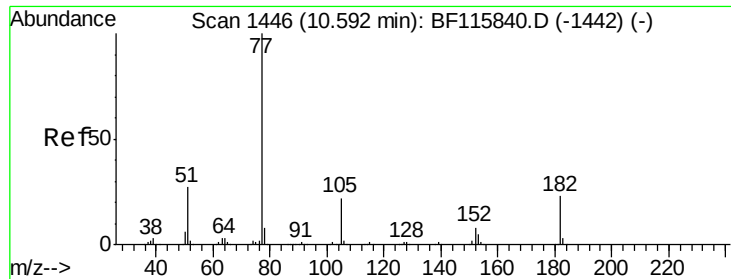
mohammad
 8/14/2019 2:55:01 AM



#62
 4-Nitroaniline
 Concen: 33.898 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Tgt Ion:	138	Resp:	179481
Ion Ratio	Lower	Upper	
138	100		
92	48.6	29.0	69.0
108	73.8	54.7	94.7





#63

Azobenzene

Concen: 45.514 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Instrument :

BNA_F

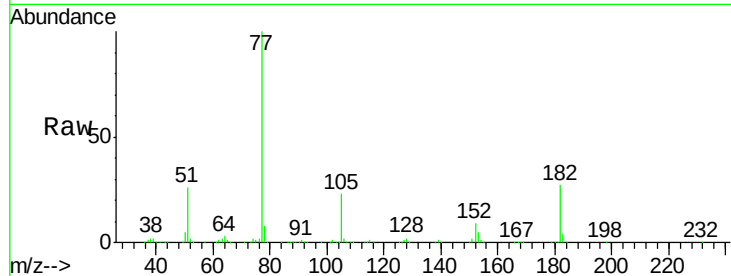
ClientSampled :

PE-4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		833919		
182	27.4	4.0	44.0		
105	22.9	2.0	42.0		
51	25.5	7.5	47.5		

Manual Integrations
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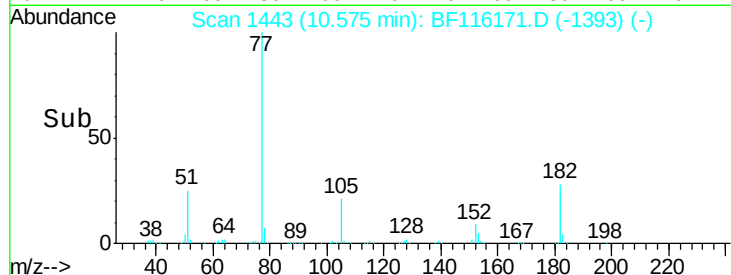
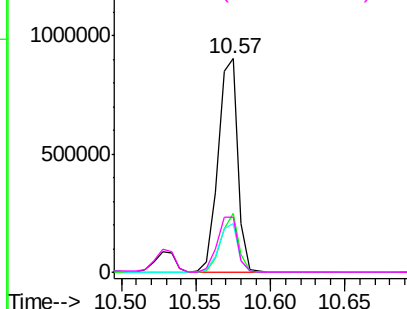


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

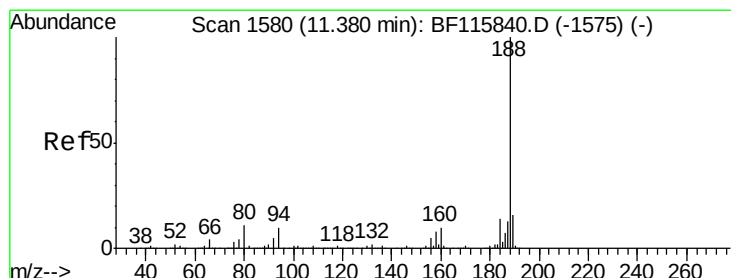
RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

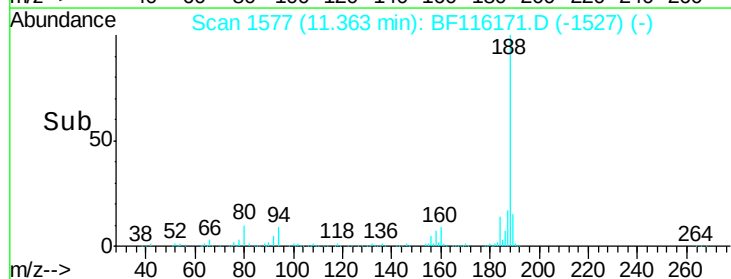
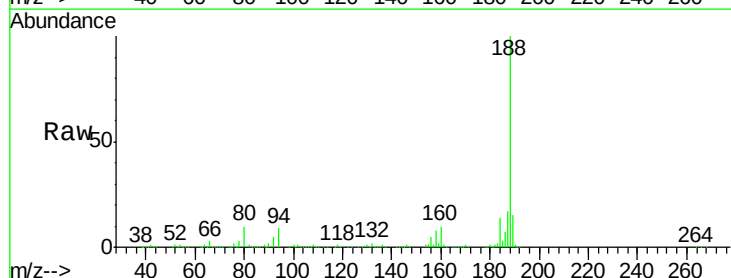
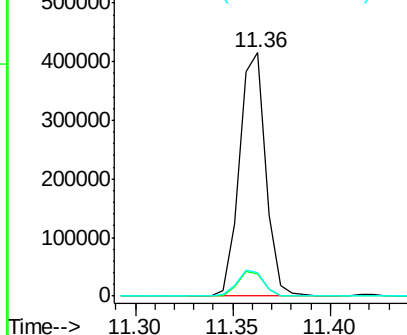
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		387242		
94	9.0	8.1	12.1		
80	9.6	8.7	13.1		

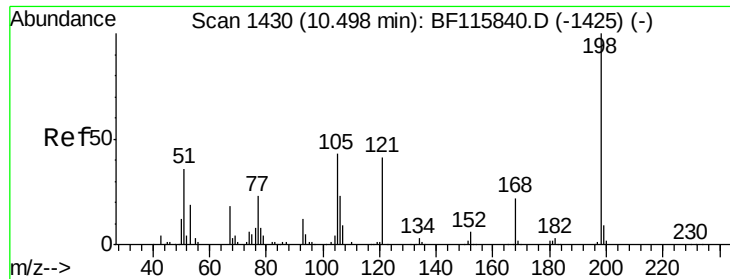


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





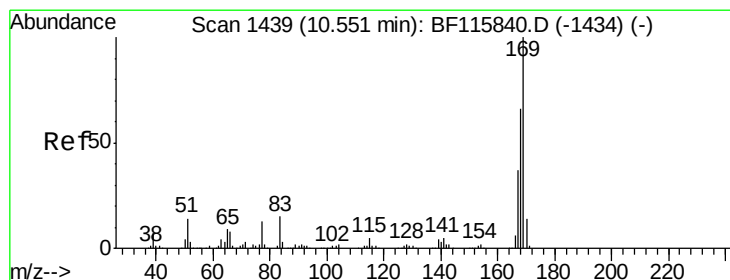
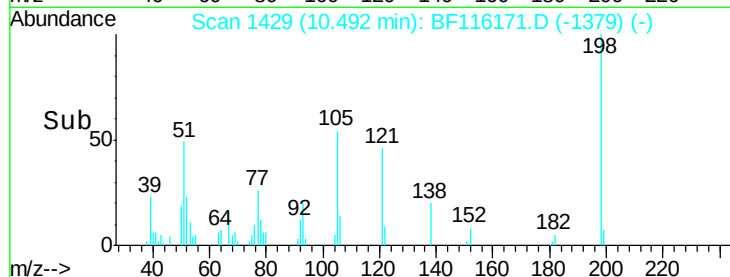
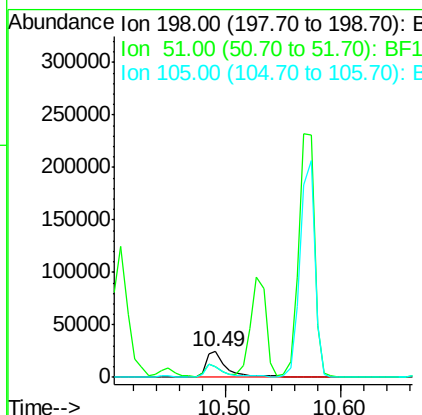
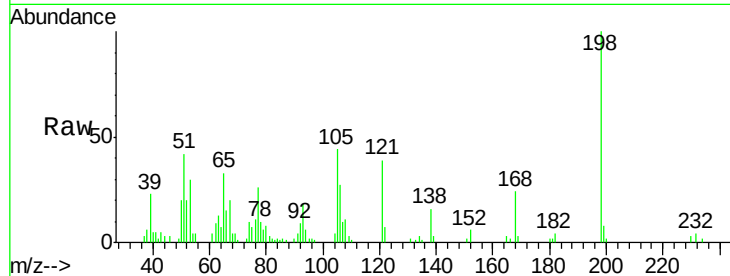
#65
4,6-Dinitro-2-methylphenol
Concen: 15.130 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampled :
PE-4MS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	31049		
51	41.5	17.0	57.0	
105	43.6	21.6	61.6	

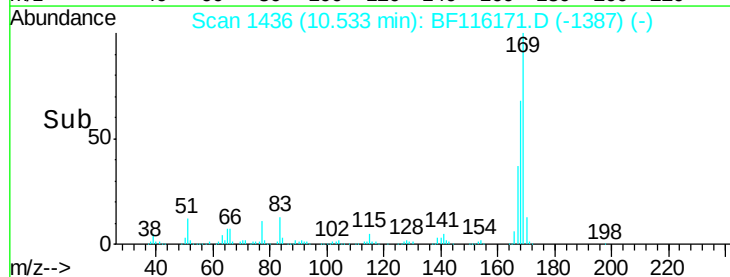
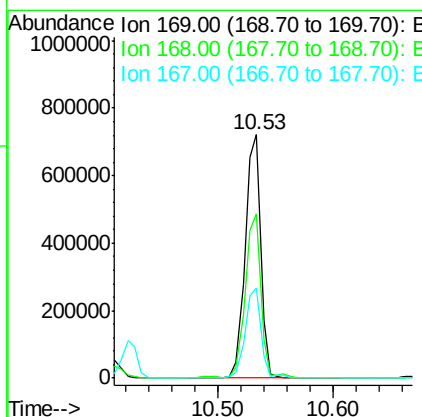
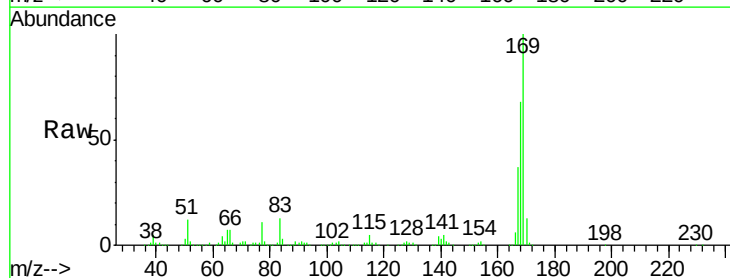
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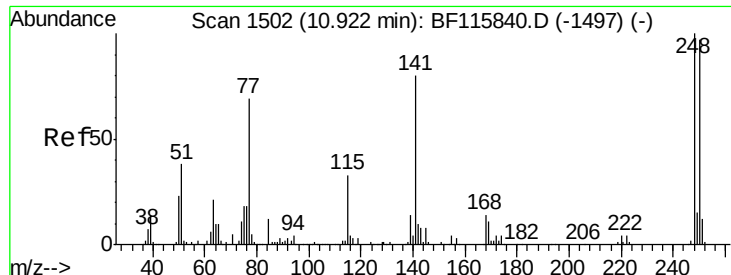
mohammad
8/14/2019 2:55:01 AM



#66
n-Nitrosodiphenylamine
Concen: 57.745 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	673048		
168	67.6	53.8	80.6	
167	36.9	29.6	44.4	





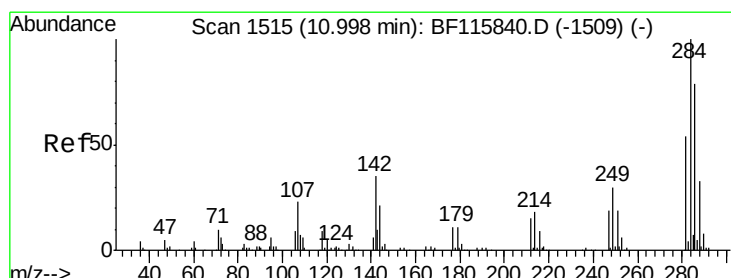
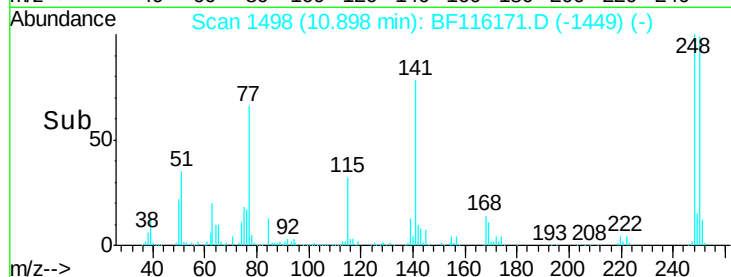
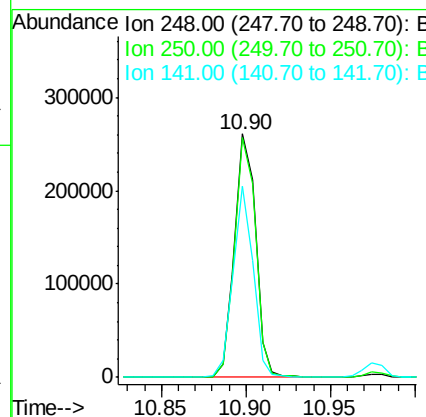
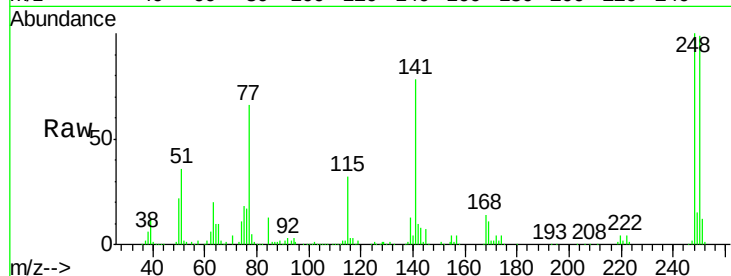
#67
 4-Bromophenyl-phenylether
 Concen: 55.083 ng
 RT: 10.90 min Scan# 1498
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.6	77.4	116.2
141	78.3	56.8	85.2

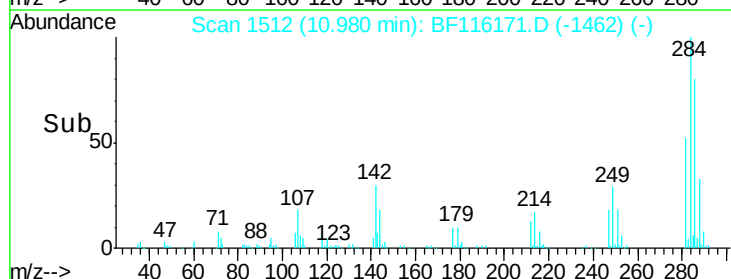
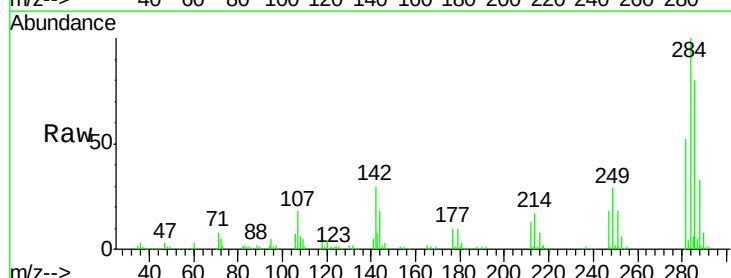
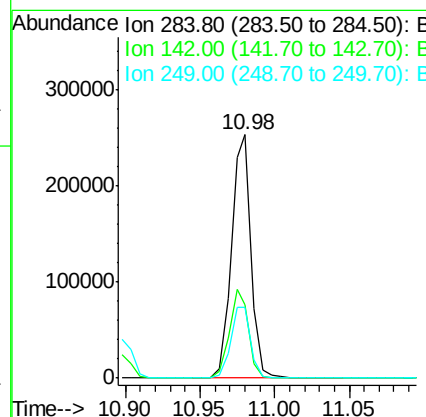
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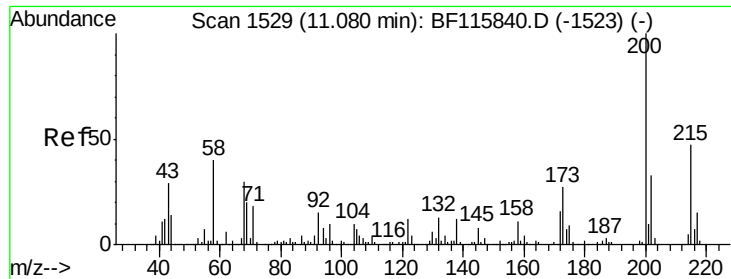
mohammad
 8/14/2019 2:55:01 AM



#68
 Hexachlorobenzene
 Concen: 48.862 ng
 RT: 10.98 min Scan# 1512
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.0	28.4	42.6
249	28.9	24.5	36.7





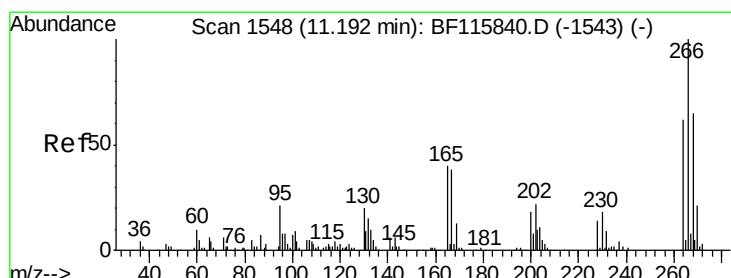
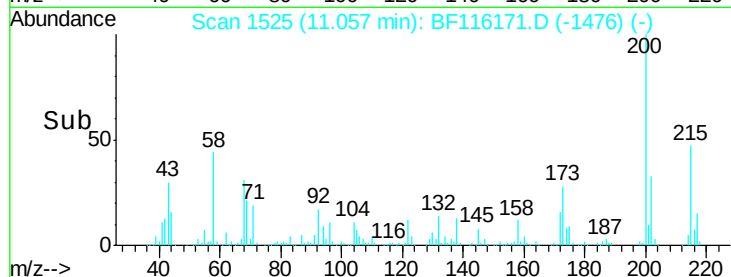
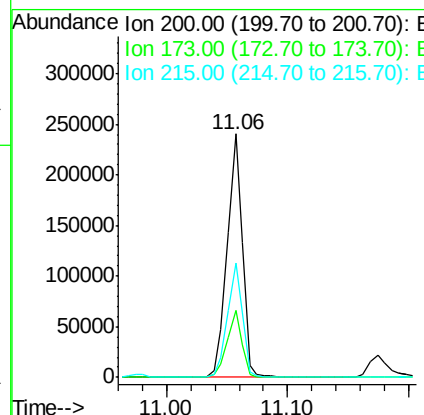
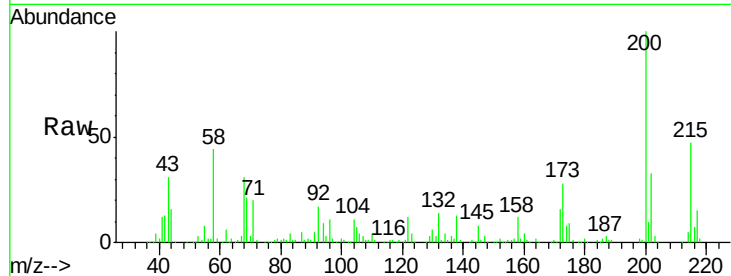
#69
 Atrazine
 Concen: 54.711 ng
 RT: 11.06 min Scan# 1525
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	27.7	6.8	46.8
215	47.1	27.5	67.5

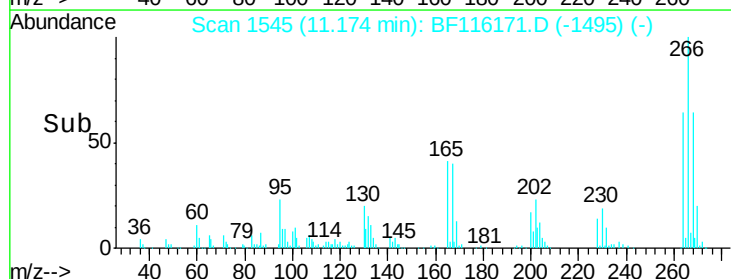
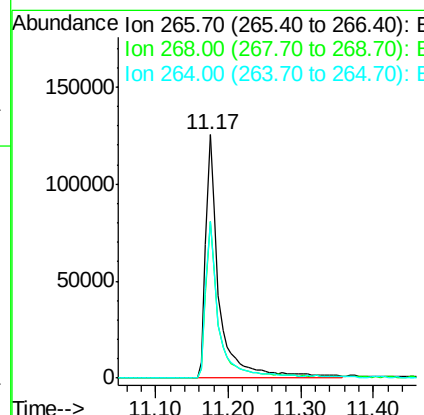
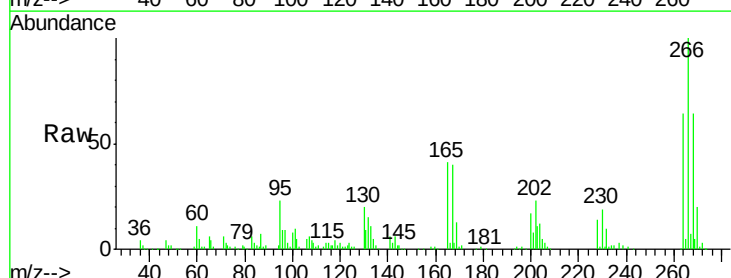
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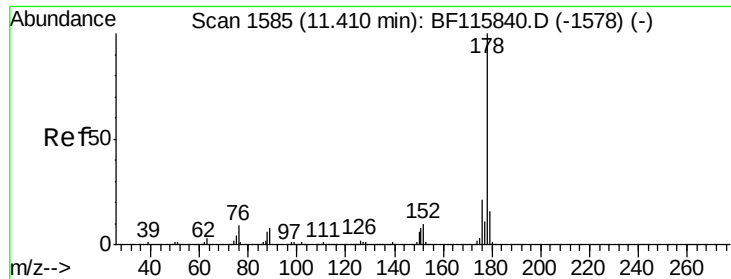
mohammad
 8/14/2019 2:55:01 AM



#70
 Pentachlorophenol
 Concen: 70.868 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	64.1	48.8	73.2
264	64.4	50.6	76.0





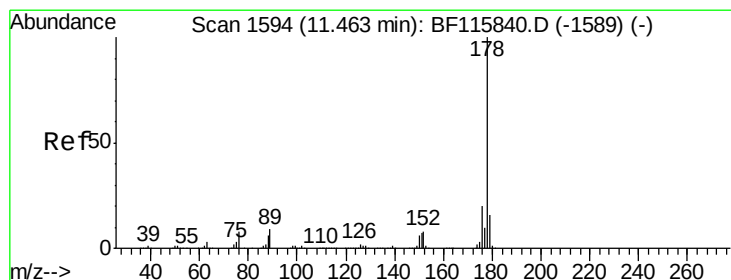
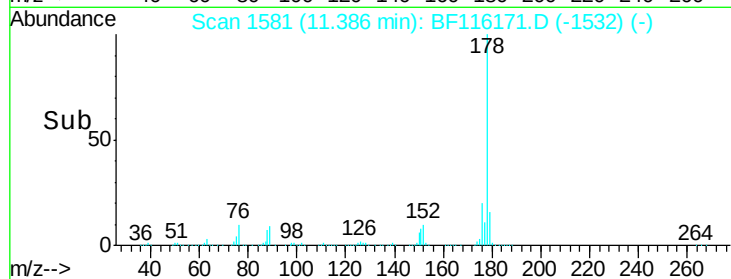
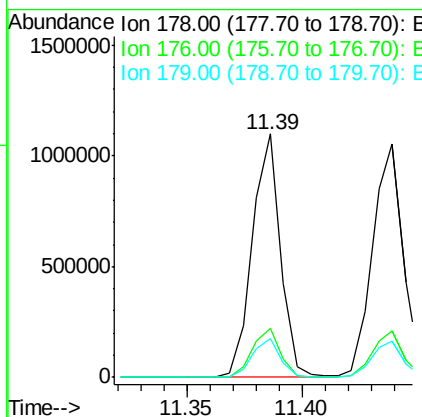
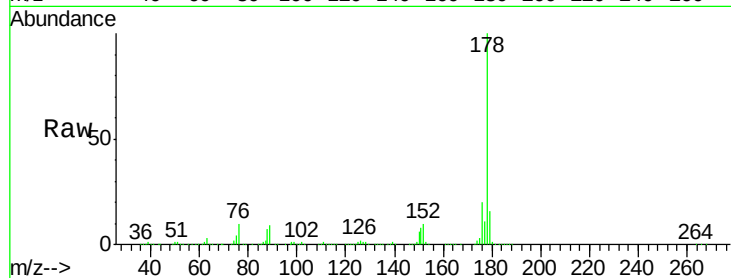
#71
Phenanthrene
Concen: 47.510 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampleId :
PE-4MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.6	24.8
179	15.7	12.5	18.7

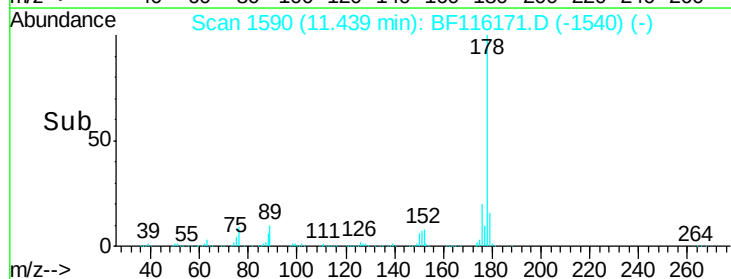
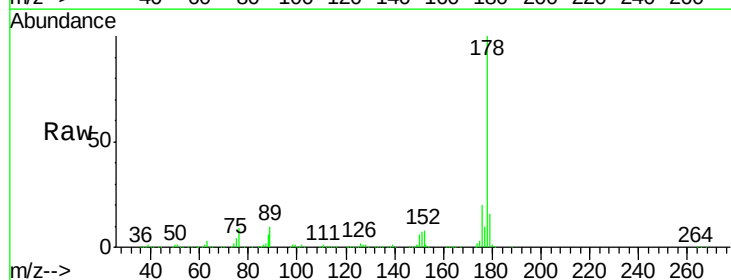
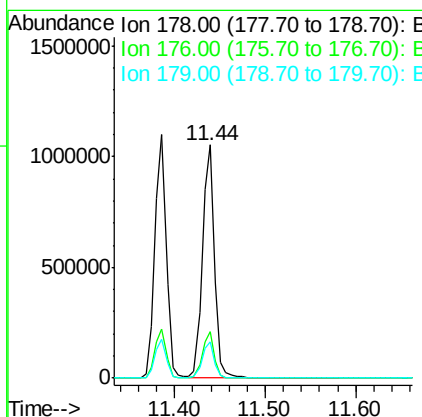
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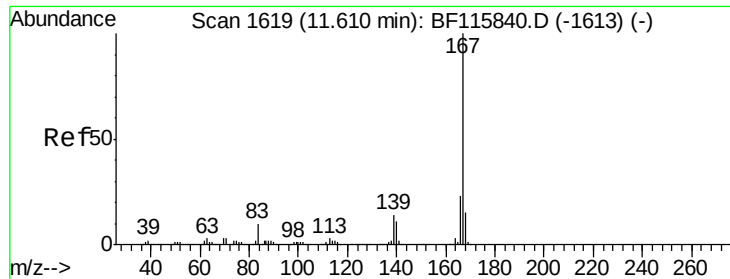
mohammad
8/14/2019 2:55:01 AM



#72
Anthracene
Concen: 49.441 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.7	23.5
179	15.7	13.0	19.6





#73

Carbazole

Concen: 47.109 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Instrument :

BNA_F

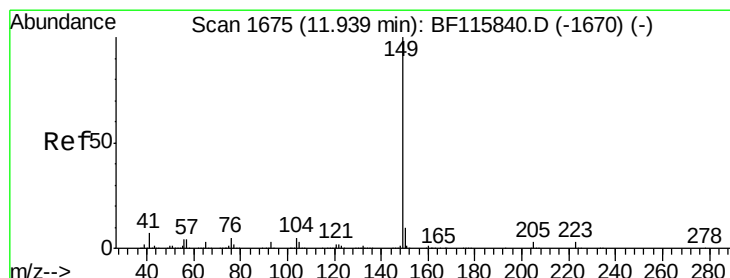
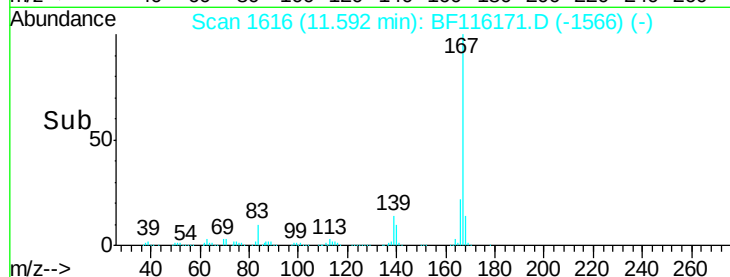
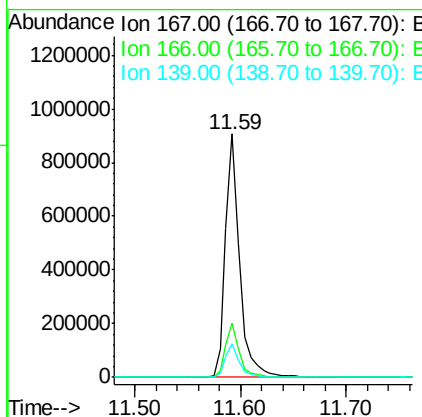
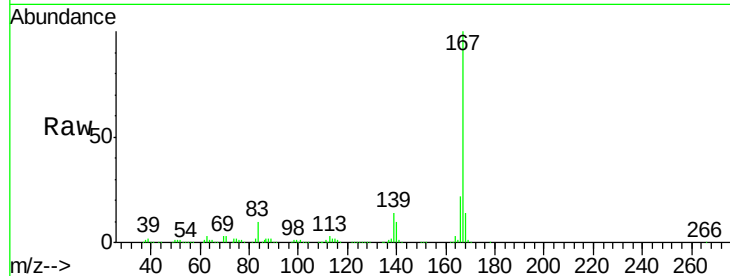
ClientSampleId :

PE-4MS

Tot Ion:	167	Resp:	856290
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.8	26.6
139	13.6	11.4	17.0

Manual Integrations
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mohammad
8/14/2019 2:55:01 AM



#74

Di-n-butylphthalate

Concen: 56.243 ng

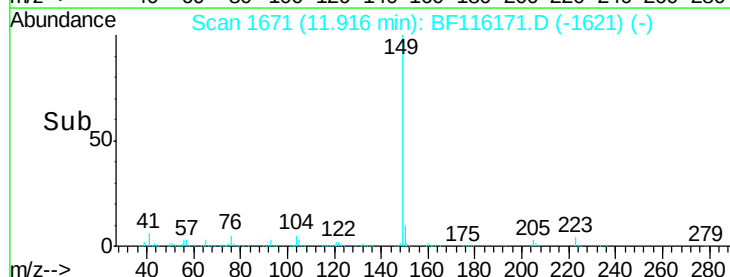
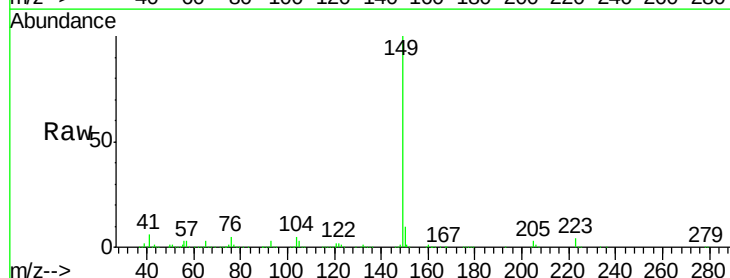
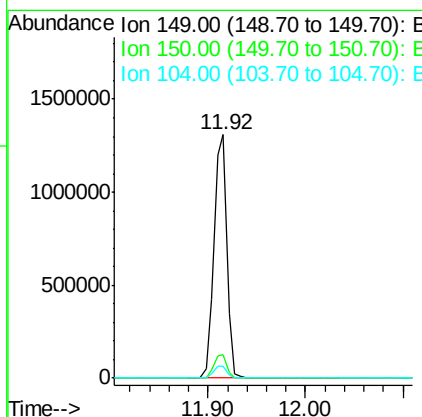
RT: 11.92 min Scan# 1671

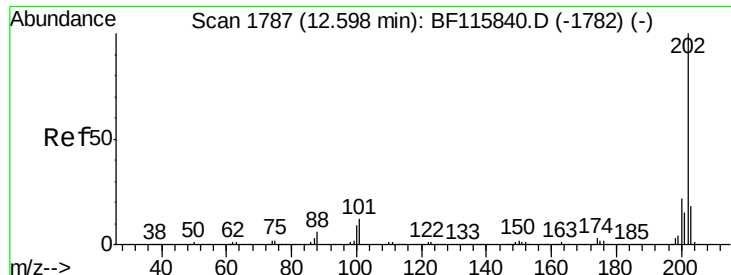
Delta R.T. -0.01 min

Lab File: BF116171.D

Acq: 11 Aug 2019 3:11

Tgt Ion:	149	Resp:	1192581
Ion Ratio	Lower	Upper	
149	100		
150	9.5	8.0	12.0
104	5.0	4.5	6.7





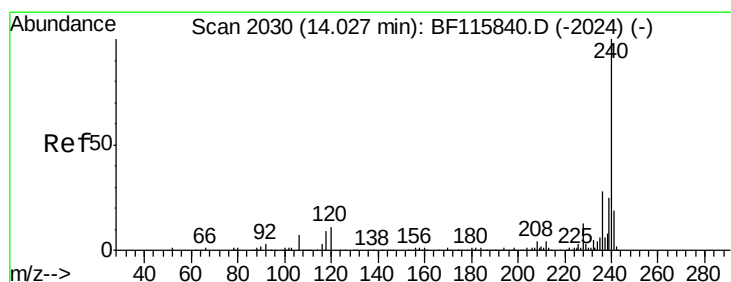
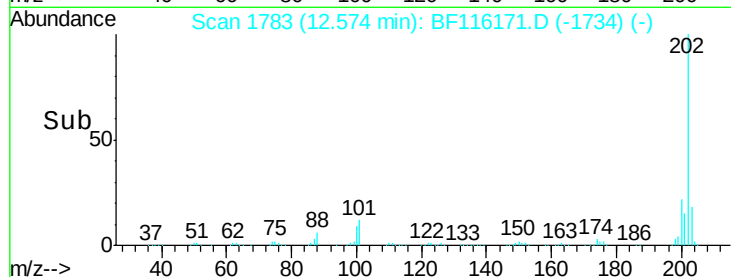
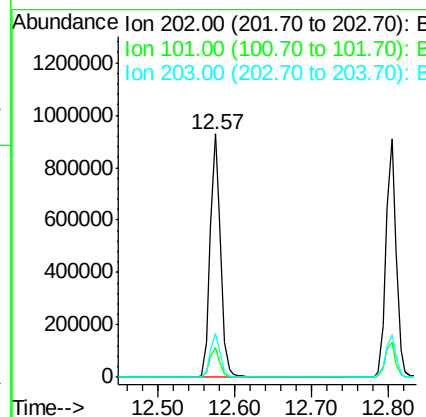
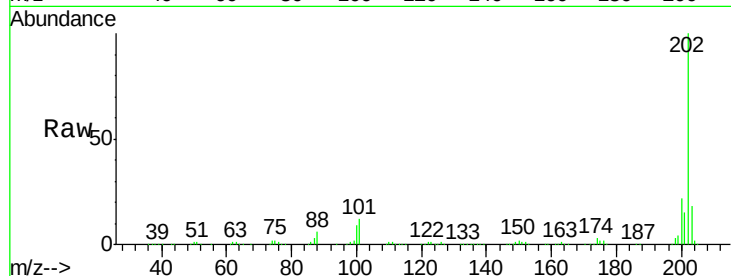
#75
Fluoranthene
Concen: 41.937 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampleId :
PE-4MS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.4	0.0	31.2
203	17.9	0.0	37.8

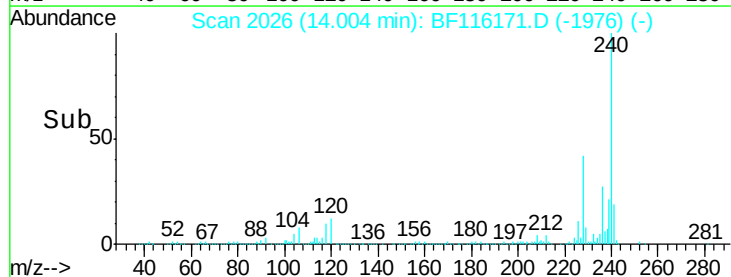
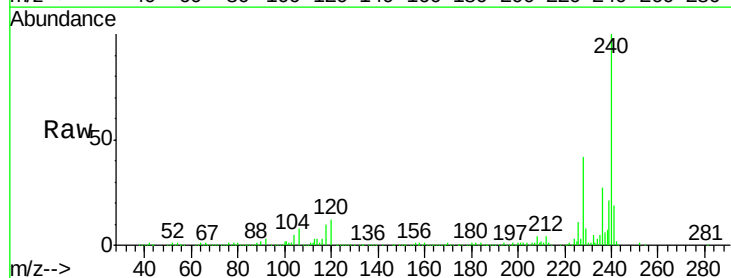
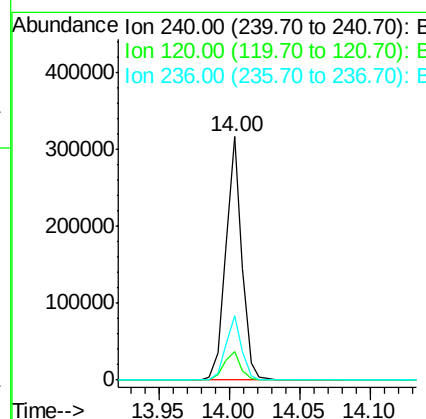
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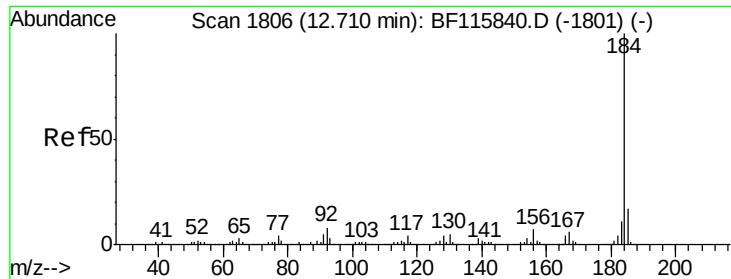
mohammad
8/14/2019 2:55:01 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.5	10.7	16.1
236	26.6	22.2	33.2





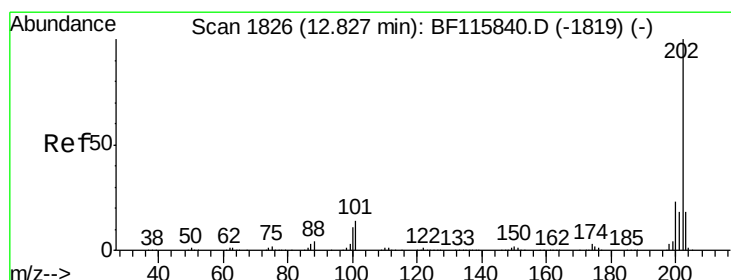
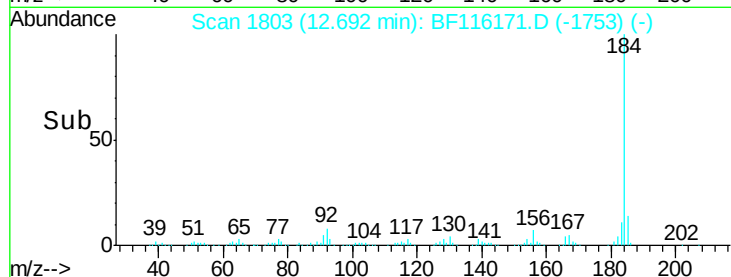
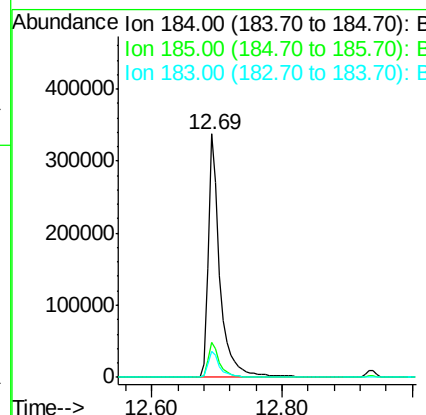
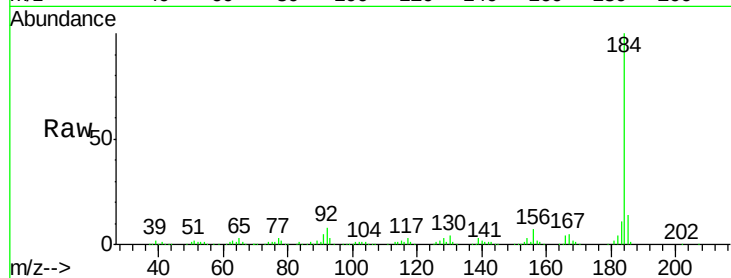
#77
Benzidine
Concen: 49.670 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampled :
PE-4MS

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.4	12.8	19.2
183	10.8	9.4	14.0

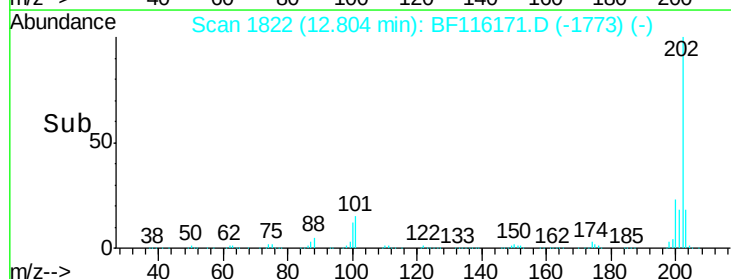
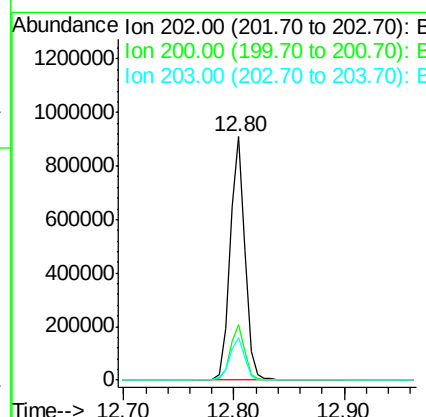
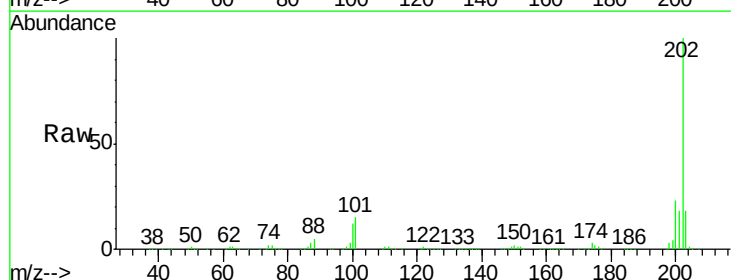
Manual Integrations
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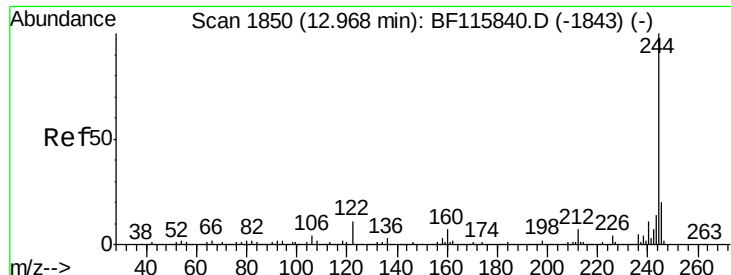
mohammad
8/14/2019 2:55:01 AM



#78
Pyrene
Concen: 45.392 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.7	18.0	27.0
203	17.6	14.1	21.1





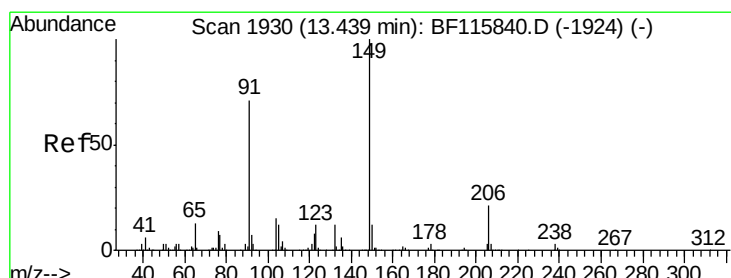
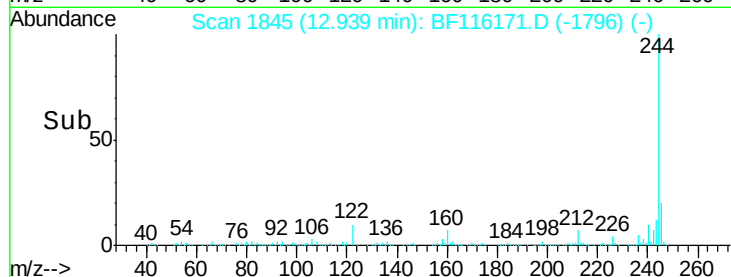
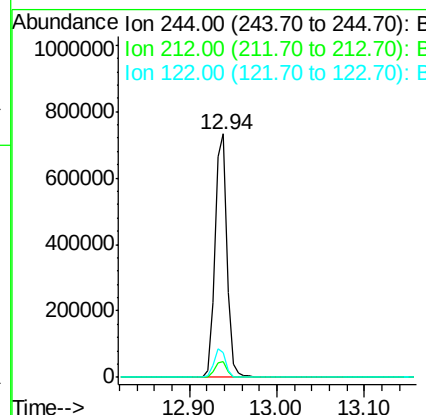
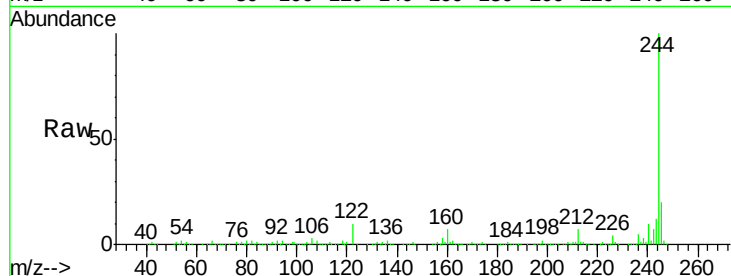
#79
 Terphenyl-d14
 Concen: 58.657 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MS

Tot Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.6	5.8	8.8
122	10.4	9.0	13.4

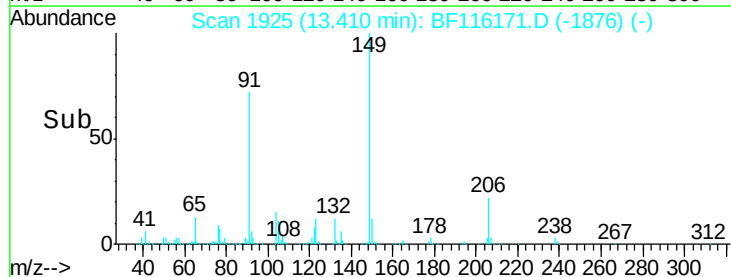
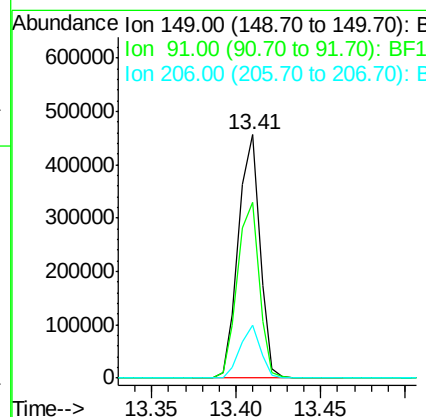
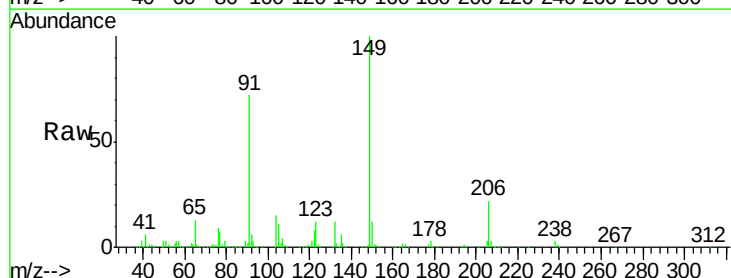
Manual Integrations
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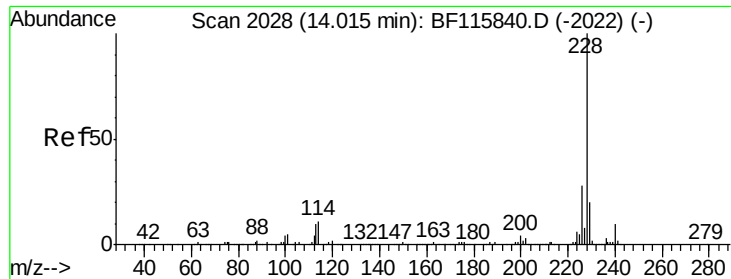
mohammad
 8/14/2019 2:55:01 AM



#80
 Butylbenzylphthalate
 Concen: 50.851 ng
 RT: 13.41 min Scan# 1925
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	72.3	56.3	84.5
206	21.8	18.0	27.0





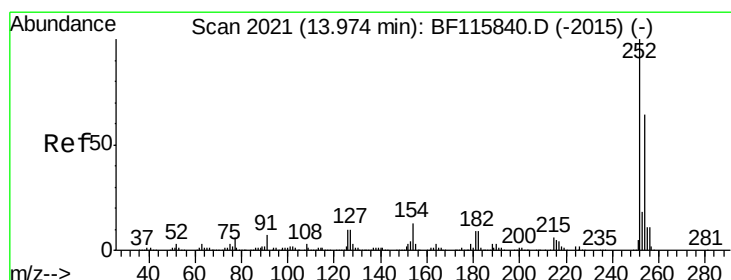
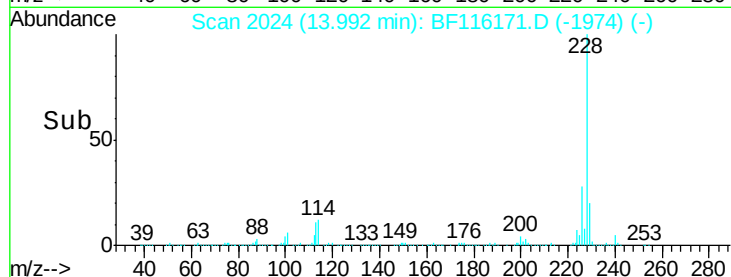
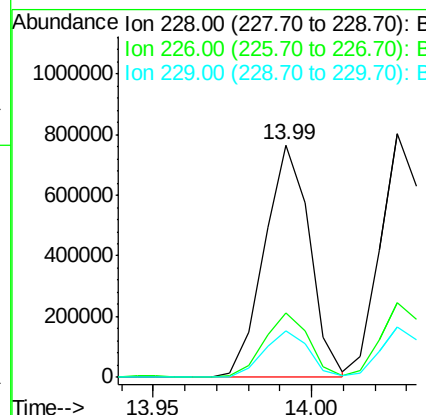
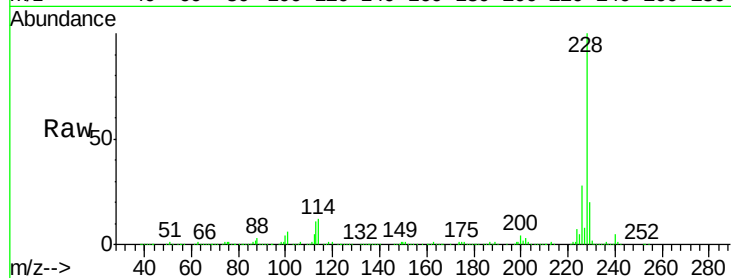
#81
Benzo(a)anthracene
Concen: 47.419 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampled :
PE-4MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	28.0		22.7	34.1	
229	20.2		16.2	24.4	

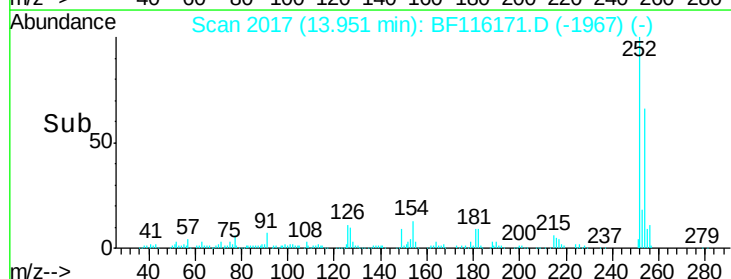
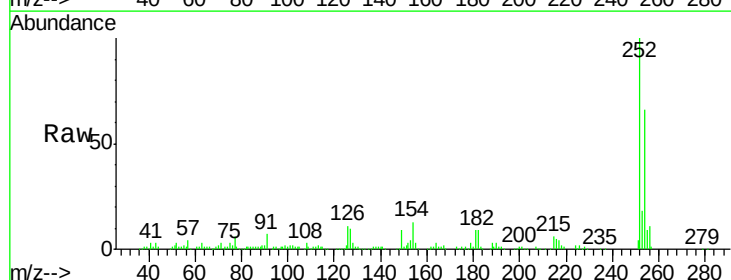
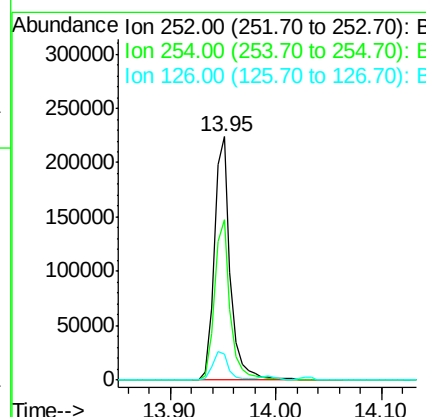
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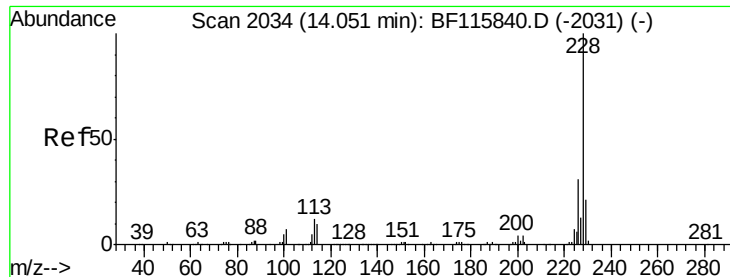
mohammad
8/14/2019 2:55:01 AM



#82
3,3'-Dichlorobenzidine
Concen: 43.045 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
254	66.0		50.9	76.3	
126	10.8		9.8	14.8	





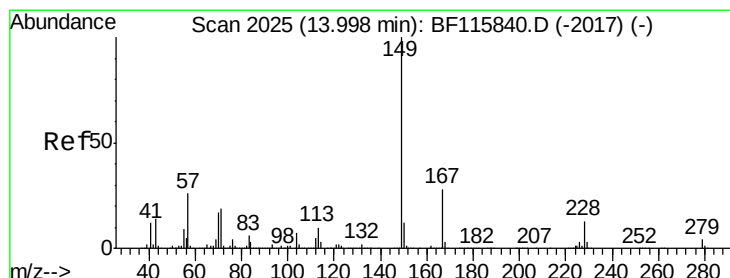
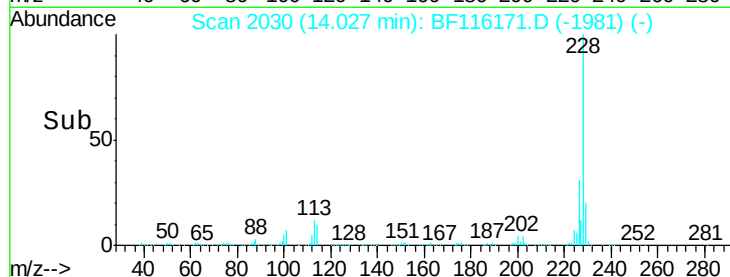
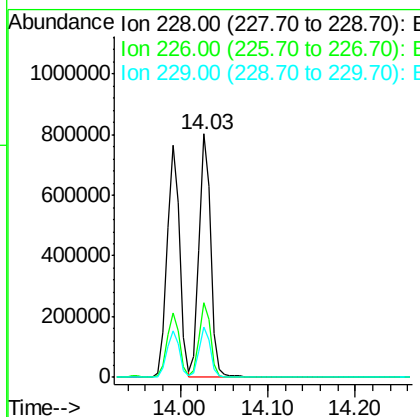
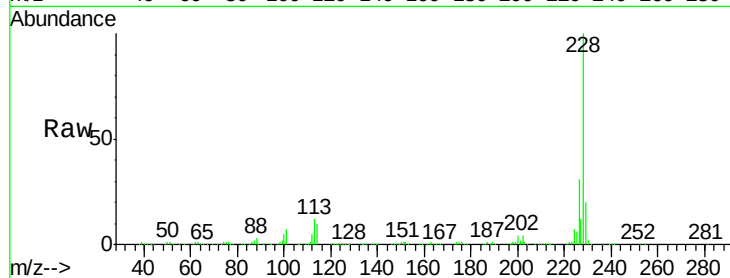
#83
 Chrysene
 Concen: 48.483 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Instrument :
 BNA_F
 ClientSampled :
 PE-4MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.5	38.3
229	20.5	16.6	24.8

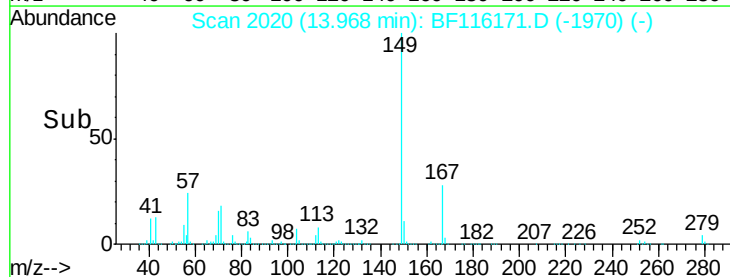
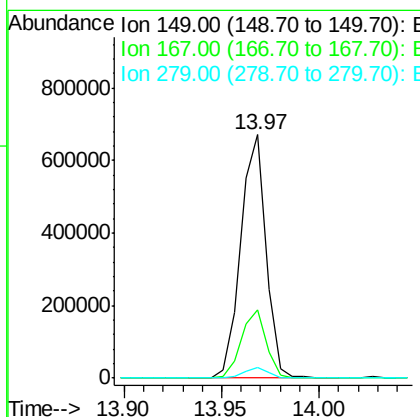
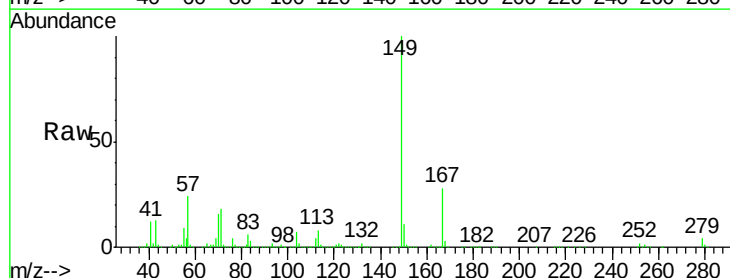
Manual Integrations
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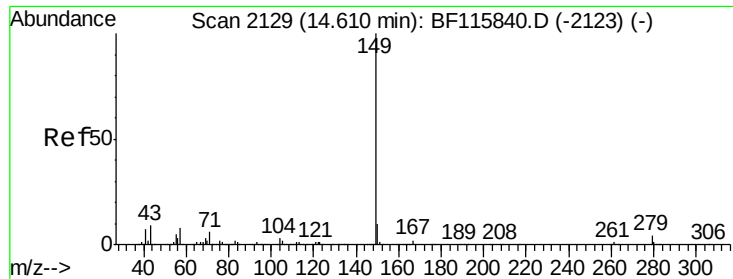
mohammad
 8/14/2019 2:55:01 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 58.327 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.6	32.4
279	4.1	3.0	4.4





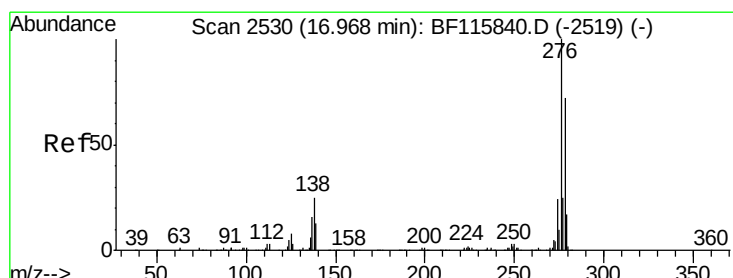
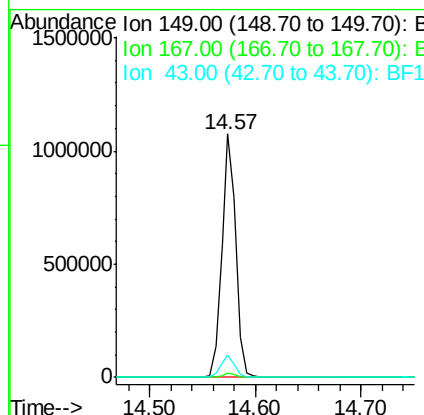
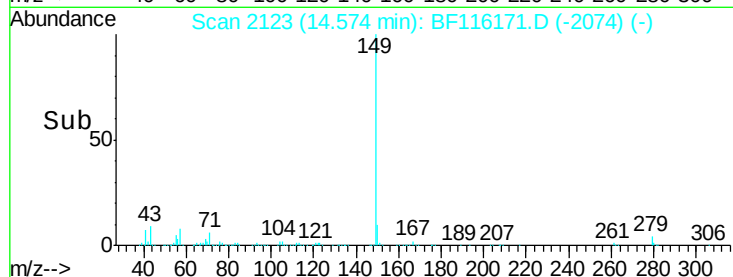
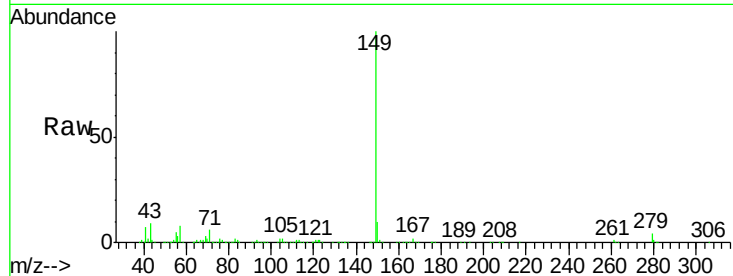
#85
Di-n-octyl phthalate
Concen: 60.728 ng
RT: 14.57 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampled :
PE-4MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	998150		
167	1.6		1.4	2.0
43	8.9		7.5	11.3

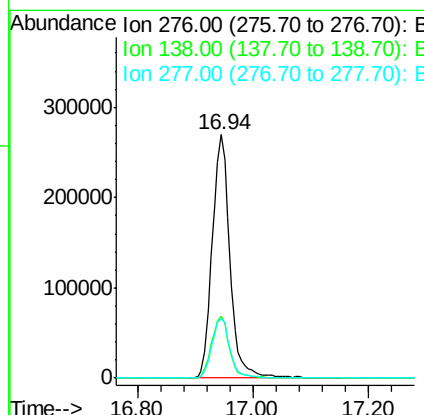
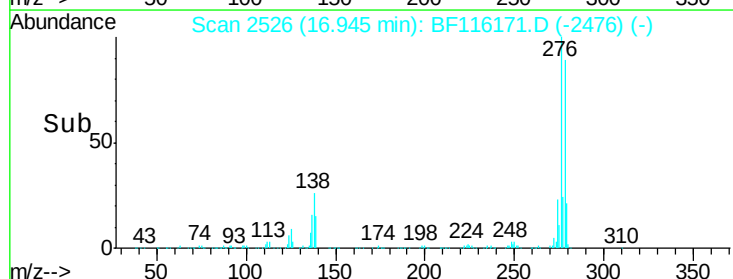
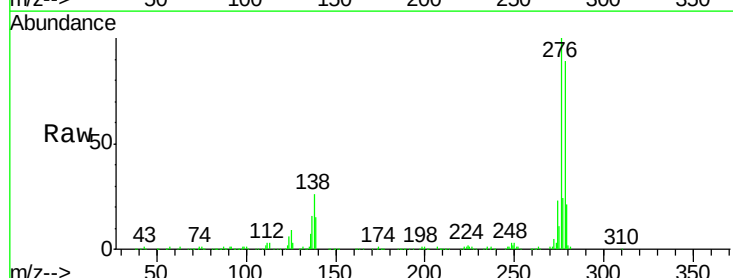
Manual Integrations
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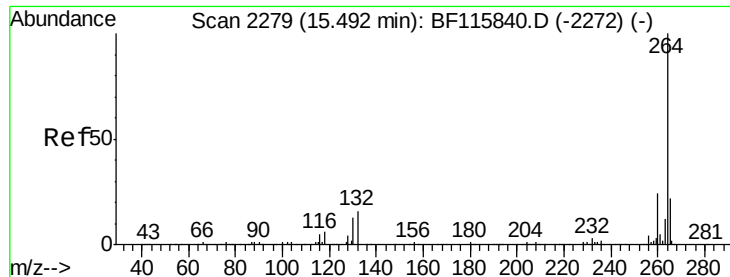
mohammad
8/14/2019 2:55:01 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 44.675 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	581468		
138	25.9		20.4	30.6
277	25.0		20.0	30.0





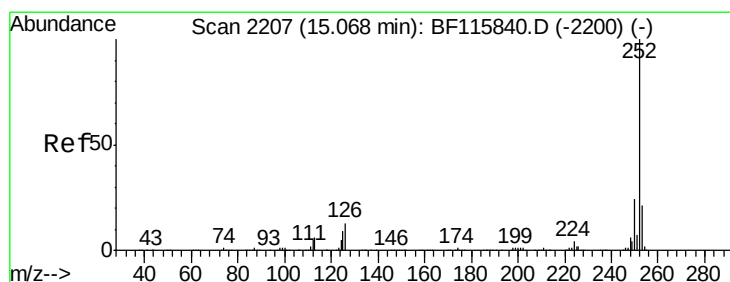
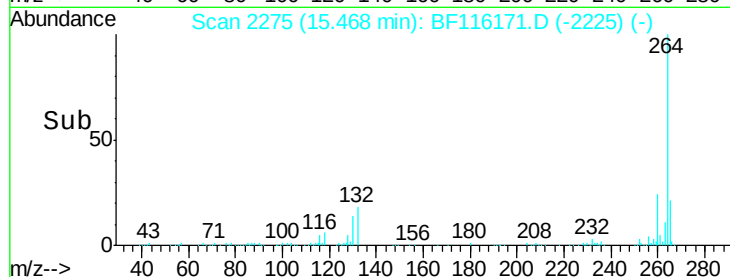
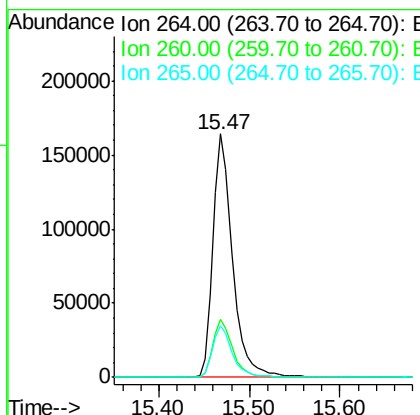
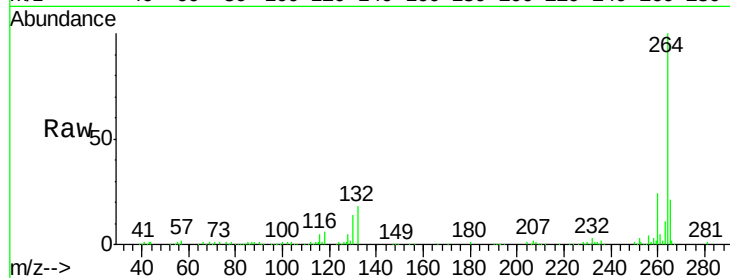
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampleId :
PE-4MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.7	29.5
265	21.0	17.4	26.0

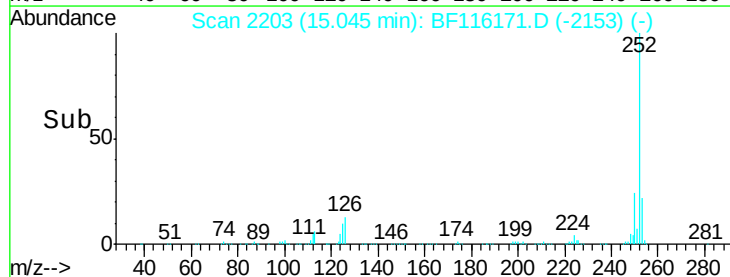
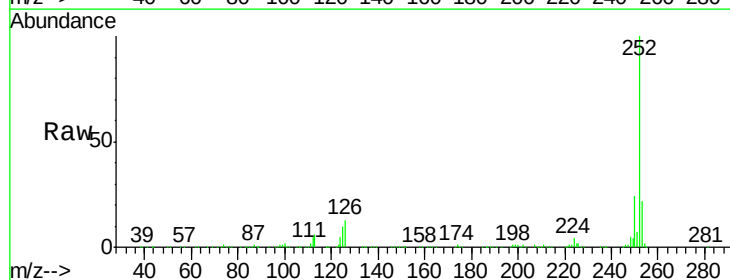
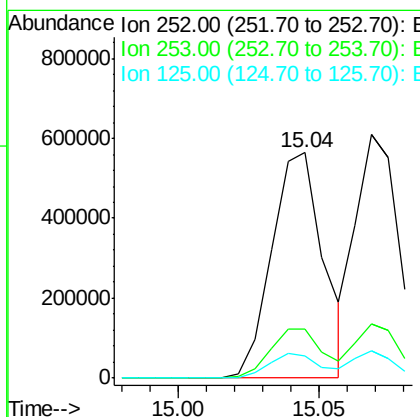
Manual Integrations
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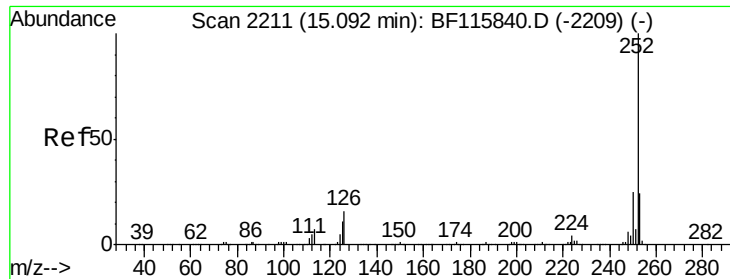
mohammad
8/14/2019 2:55:01 AM



#88
Benzo(b)fluoranthene
Concen: 50.099 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.0	8.4	12.6





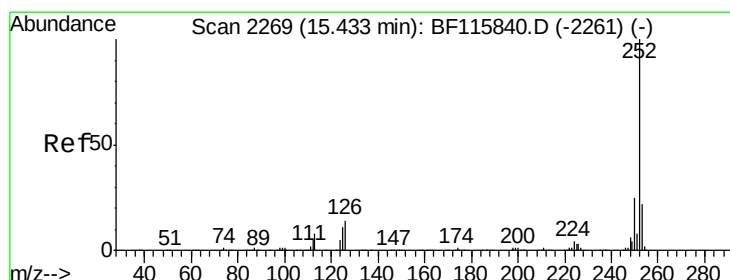
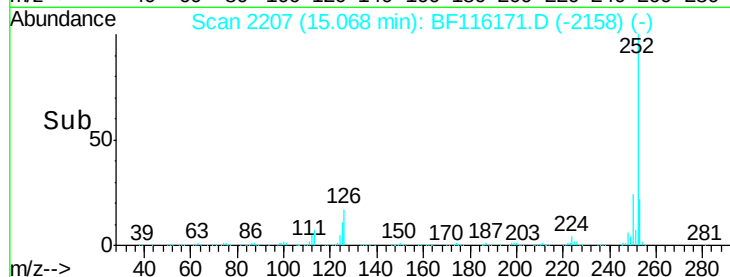
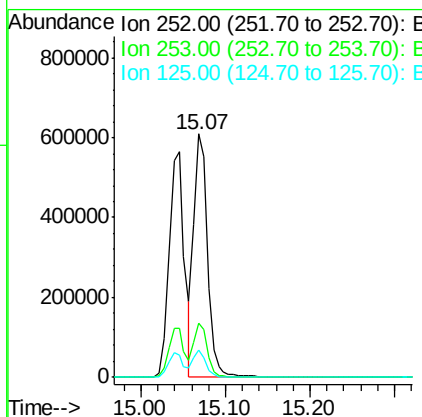
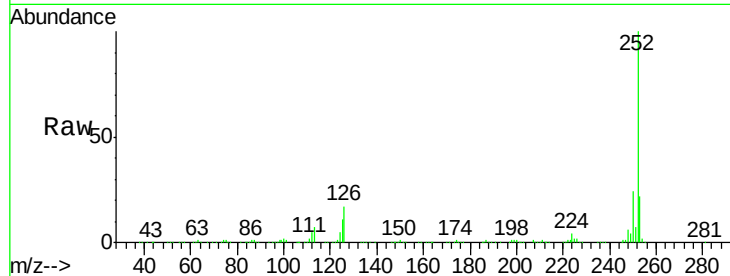
#89
Benzo(k)fluoranthene
Concen: 48.757 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Instrument :
BNA_F
ClientSampleId :
PE-4MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	11.1	7.7	11.5

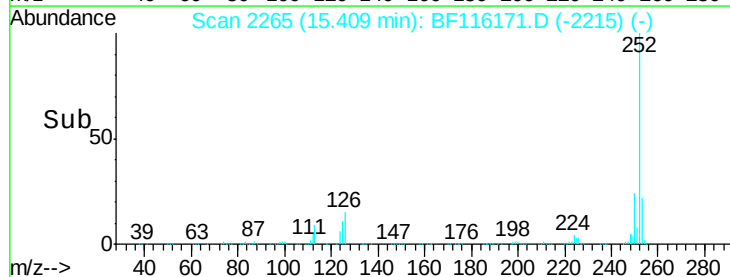
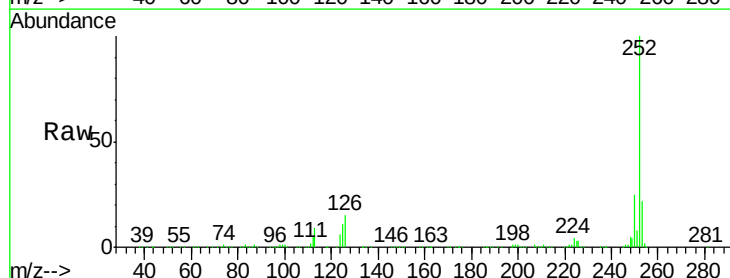
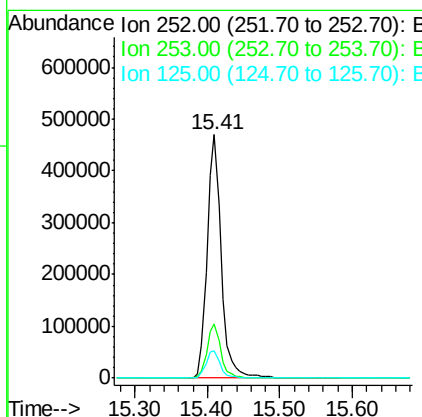
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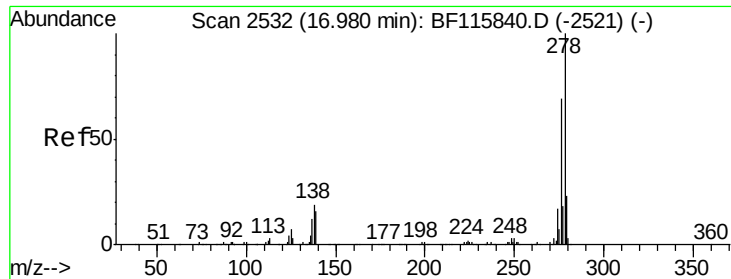
mohammad
8/14/2019 2:55:01 AM



#90
Benzo(a)pyrene
Concen: 49.742 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116171.D
Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	11.4	8.9	13.3





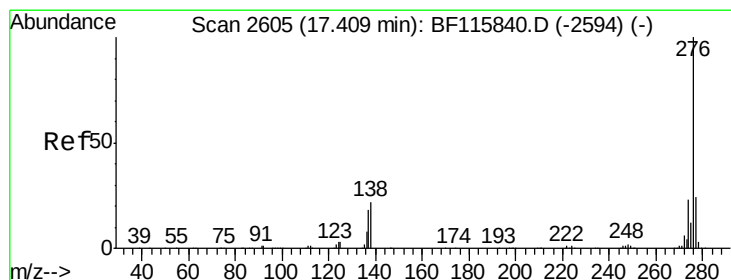
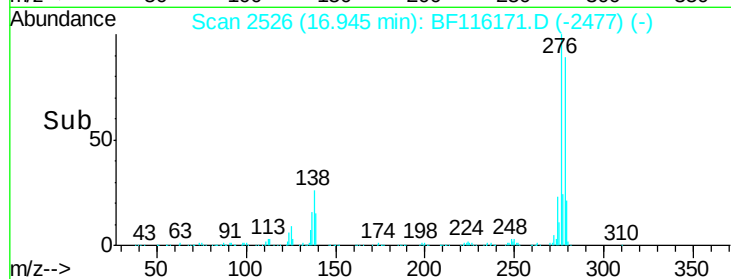
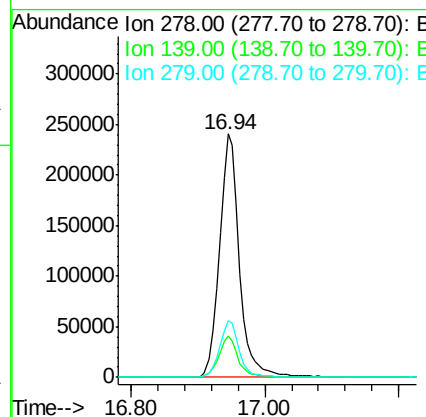
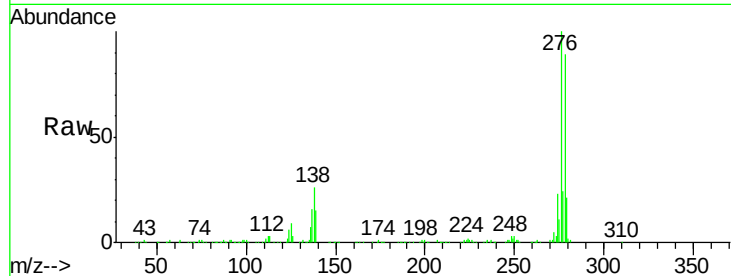
#91
 Dibenzo(a,h)anthracene
 Concen: 45.723 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	12.8	19.2
279	23.3	18.8	28.2

Manual Integrations
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mohammad
 8/14/2019 2:55:01 AM



#92
 Benzo(g,h,i)perylene
 Concen: 42.505 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.00 min
 Lab File: BF116171.D
 Acq: 11 Aug 2019 3:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.4	27.6
138	22.2	17.0	25.6

