

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115666.D
 Acq On : 19 Jul 2019 9:43
 Operator : HP/JU
 Sample : PB121516BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121516BSD

Manual Integrations
 APPROVED

mohammad
 7/22/2019 10:01:10 AM

Quant Time: Jul 19 14:13:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	167749	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	678415	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	336292	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	629665	20.00	ng	0.00
76) Chrysene-d12	14.04	240	431445	20.00	ng	0.00
87) Perylene-d12	15.52	264	406536	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	836509	81.57	ng	0.00
7) Phenol-d6	6.51	99	1058248	81.32	ng	0.00
23) Nitrobenzene-d5	7.44	82	972838	83.38	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	311555	79.37	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1758947	91.55	ng	-0.01
79) Terphenyl-d14	12.99	244	1809694	77.40	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.78	88	195571	38.230	ng	98
3) Pyridine	3.52	79	496726	35.789	ng	100
4) n-Nitrosodimethylamine	3.47	42	204141	40.544	ng	93
6) Aniline	6.54	93	527731	29.141	ng	99
8) 2-Chlorophenol	6.67	128	478645	40.594	ng	97
9) Benzaldehyde	6.43	77	253422	31.164	ng	97
10) Phenol	6.52	94	611113	40.454	ng	83
11) bis(2-Chloroethyl)ether	6.61	93	457069	39.741	ng	99
12) 1,3-Dichlorobenzene	6.82	146	506065	38.174	ng	99
13) 1,4-Dichlorobenzene	6.90	146	511450	38.667	ng	96
14) 1,2-Dichlorobenzene	7.05	146	474281	39.225	ng	97
15) Benzyl Alcohol	7.02	79	409100	39.630	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.16	45	612433	40.447	ng	98
17) 2-Methylphenol	7.13	107	419398	41.274	ng	99
18) Hexachloroethane	7.39	117	189859	38.672	ng	93
19) n-Nitroso-di-n-propylamine	7.29	70	330279	38.916	ng	97
20) 3+4-Methylphenols	7.29	107	486181	40.281	ng	# 89
22) Acetophenone	7.29	105	646869	42.206	ng	# 99
24) Nitrobenzene	7.46	77	521014	41.402	ng	94
25) Isophorone	7.70	82	958309	41.047	ng	100
26) 2-Nitrophenol	7.77	139	266612	41.161	ng	98
27) 2,4-Dimethylphenol	7.82	122	465421	48.023	ng	98
28) bis(2-Chloroethoxy)methane	7.91	93	590079	41.199	ng	99
29) 2,4-Dichlorophenol	8.02	162	415812	41.254	ng	98
30) 1,2,4-Trichlorobenzene	8.10	180	451713	39.647	ng	99
31) Naphthalene	8.19	128	1380587	42.020	ng	97
32) Benzoic acid	7.94	122	290773	36.559	ng	97
33) 4-Chloroaniline	8.23	127	351271	24.137	ng	98
34) Hexachlorobutadiene	8.30	225	254424	38.941	ng	99
35) Caprolactam	8.60	113	124624m	40.013	ng	
36) 4-Chloro-3-methylphenol	8.72	107	433182	41.432	ng	97
37) 2-Methylnaphthalene	8.88	142	933500	42.862	ng	97
38) 1-Methylnaphthalene	8.97	142	870737	42.092	ng	97
40) 1,2,4,5-Tetrachlorobenzene	9.05	216	417477	41.224	ng	98

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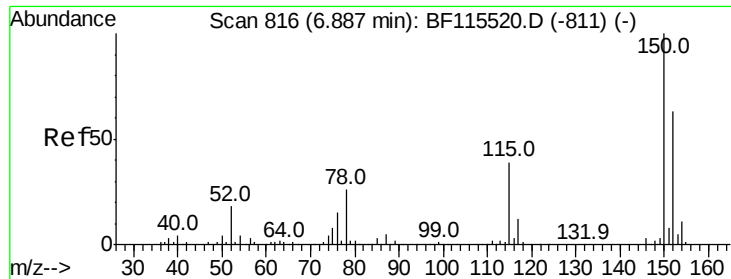
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 7/22/2019 10:01:10 AM

Quant Time: Jul 19 14:13:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.03	237	485066	83.968	nq	99
43) 2,4,6-Trichlorophenol	9.16	196	292838	39.542	nq	99
44) 2,4,5-Trichlorophenol	9.20	196	306524	40.416	nq	99
46) 1,1'-Biphenyl	9.34	154	1132477	43.075	nq	97
47) 2-Chloronaphthalene	9.37	162	889114	40.615	nq	96
48) 2-Nitroaniline	9.46	65	267353	39.458	nq	97
49) Acenaphthylene	9.78	152	1351818	41.675	nq	99
50) Dimethylphthalate	9.64	163	1015628	40.141	nq	99
51) 2,6-Dinitrotoluene	9.70	165	230271	40.047	nq	93
52) Acenaphthene	9.96	154	939349	44.854	nq	99
53) 3-Nitroaniline	9.87	138	174103	26.496	nq	97
54) 2,4-Dinitrophenol	9.98	184	233799	79.197	nq	95
55) Dibenzofuran	10.13	168	1205958	40.550	nq	99
56) 4-Nitrophenol	10.03	139	367838	73.412	nq	97
57) 2,4-Dinitrotoluene	10.10	165	305564	41.019	nq	96
58) Fluorene	10.47	166	888405	41.786	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.25	232	258773	40.816	nq	99
60) Diethylphthalate	10.34	149	971544	40.982	nq	99
61) 4-Chlorophenyl-phenylether	10.46	204	464942	39.434	nq	96
62) 4-Nitroaniline	10.48	138	236335	37.497	nq	94
63) Azobenzene	10.62	77	979680	42.605	nq	98
65) 4,6-Dinitro-2-methylphenol	10.52	198	156349	40.641	nq	97
66) n-Nitrosodiphenylamine	10.57	169	817000	41.712	nq	98
67) 4-Bromophenyl-phenylether	10.95	248	288113	40.040	nq	95
68) Hexachlorobenzene	11.02	284	321512	39.126	nq	# 92
69) Atrazine	11.10	200	264442	41.155	nq	99
70) Pentachlorophenol	11.22	266	363916	72.408	nq	99
71) Phenanthrene	11.43	178	1320478	40.912	nq	98
72) Anthracene	11.49	178	1367178	40.987	nq	99
73) Carbazole	11.63	167	1188644	40.636	nq	100
74) Di-n-butylphthalate	11.96	149	1468785	40.765	nq	99
75) Fluoranthene	12.62	202	1353190	39.675	nq	99
77) Benzidine	12.73	184	660838	43.237	nq	100
78) Pyrene	12.85	202	1377284	37.678	nq	98
80) Butylbenzylphthalate	13.46	149	625186	40.121	nq	99
81) Benzo(a)anthracene	14.03	228	1136572	39.987	nq	98
82) 3,3'-Dichlorobenzidine	13.99	252	291525	28.851	nq	99
83) Chrysene	14.07	228	1125520	39.446	nq	98
84) Bis(2-ethylhexyl)phthalate	14.02	149	839298	43.483	nq	# 98
85) Di-n-octyl phthalate	14.63	149	1375163	44.777	nq	99
86) Indeno(1,2,3-cd)pyrene	17.00	276	948182	39.114	nq	99
88) Benzo(b)fluoranthene	15.09	252	1046308	39.970	nq	98
89) Benzo(k)fluoranthene	15.12	252	983649	42.146	nq	98
90) Benzo(a)pyrene	15.46	252	933779	41.502	nq	98
91) Dibenzo(a,h)anthracene	17.02	278	788765	39.933	nq	99
92) Benzo(g,h,i)perylene	17.45	276	783426	39.769	nq	99

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



#1

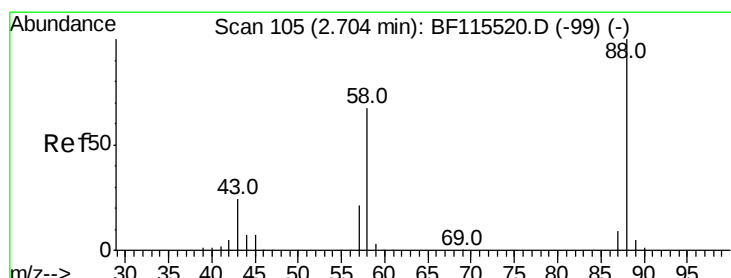
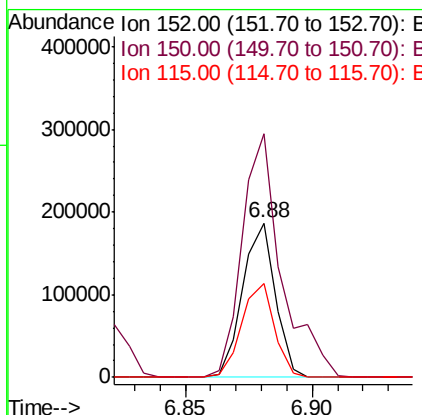
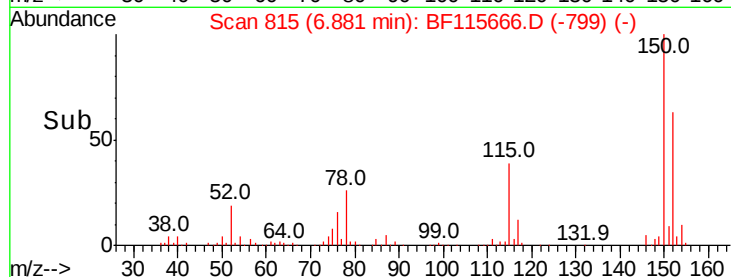
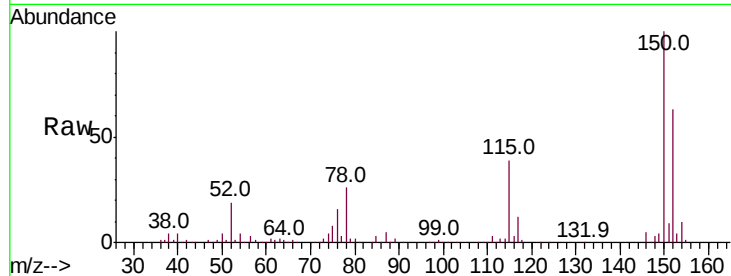
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	129.7	194.5
115	61.3	48.2	72.4

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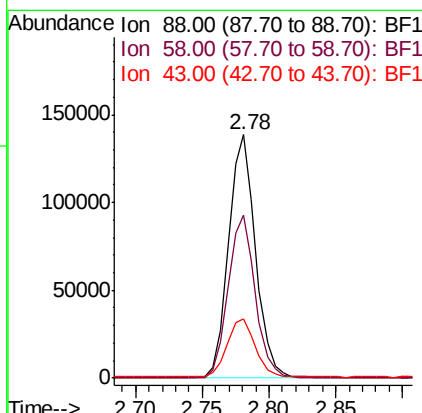
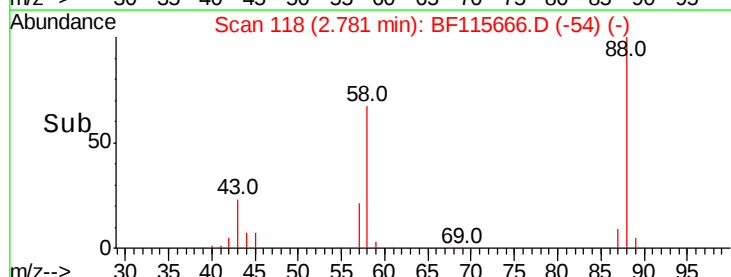
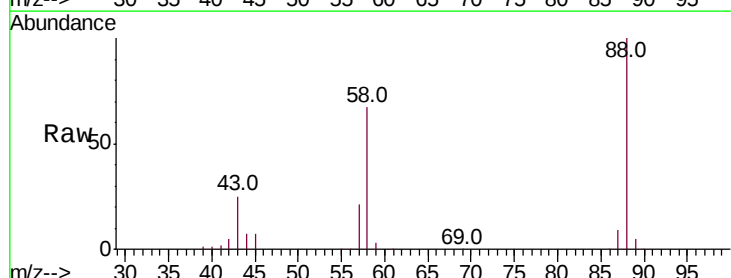
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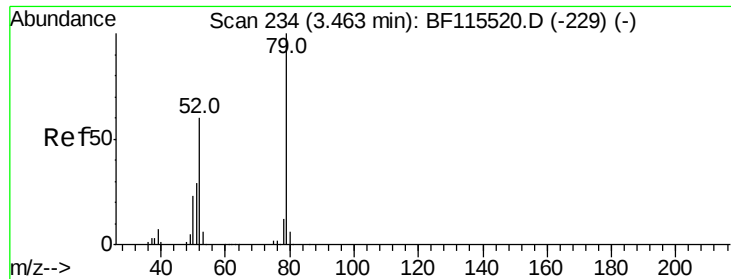


#2

1,4-Dioxane
Concen: 38.230 ng
RT: 2.78 min Scan# 118
Delta R.T. 0.08 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.7	52.6	79.0
43	24.9	19.1	28.7





#3

Pvridine

Concen: 35.789 ng

RT: 3.52 min Scan# 244

Delta R.T. 0.06 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Instrument :

BNA_F

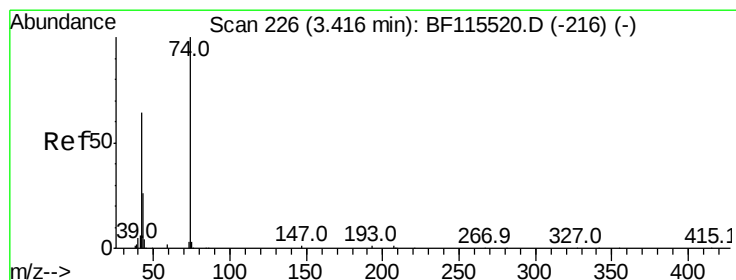
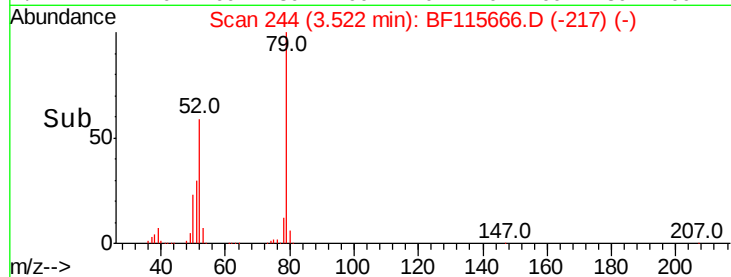
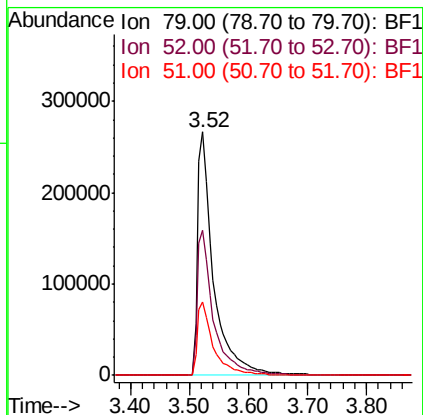
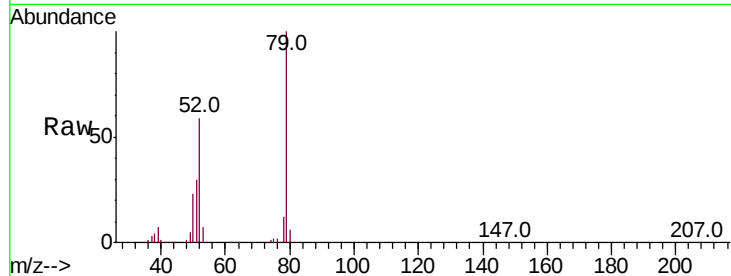
ClientSampleId :

PB121516BSD

Tot Ion	Ion	Ratio	Lower	Upper
79	100			
52	59.4	47.8	71.6	
51	30.1	23.8	35.8	

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#4

n-Nitrosodimethylamine

Concen: 40.544 ng

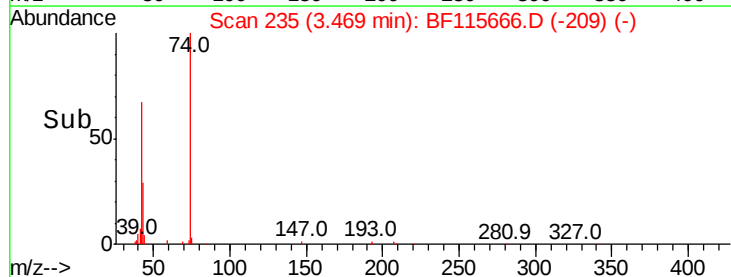
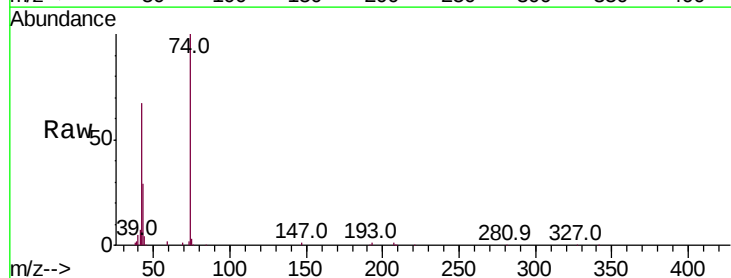
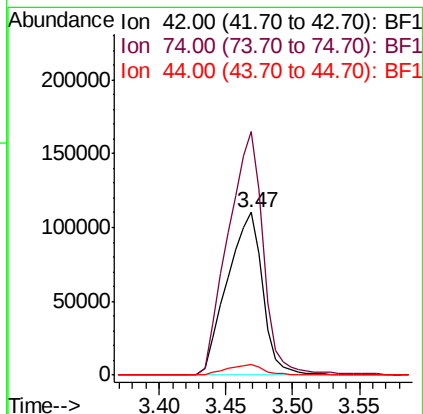
RT: 3.47 min Scan# 235

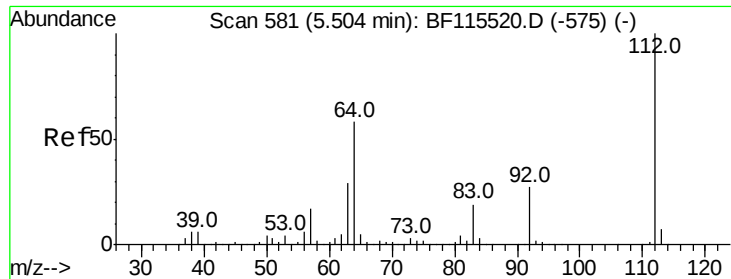
Delta R.T. 0.05 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Tgt Ion	Ion	Ratio	Lower	Upper
42	100			
74	149.5	127.5	191.3	
44	6.4	5.0	7.6	





#5

2-Fluorophenol

Concen: 81.567 ng

RT: 5.51 min Scan# 582

Delta R.T. 0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Instrument :

BNA_F

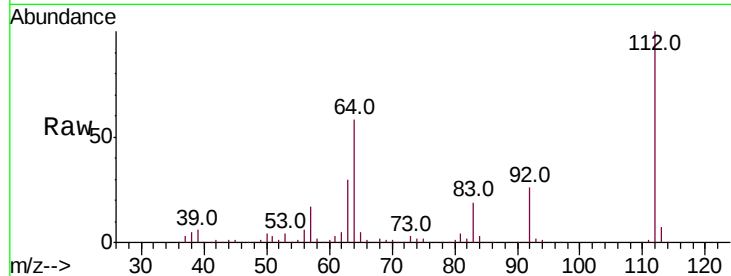
ClientSampleId :

PB121516BSD

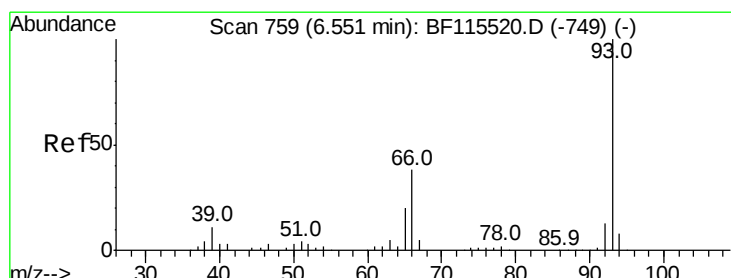
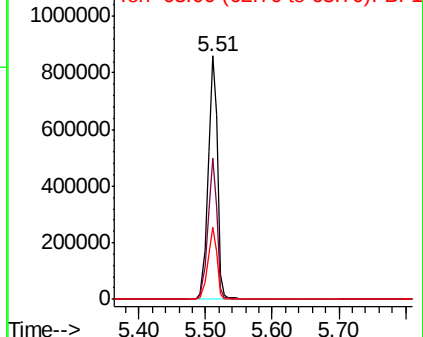
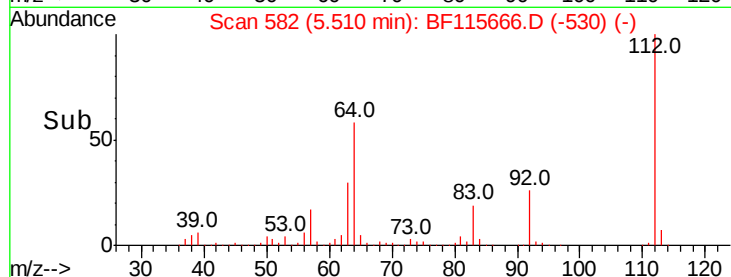
Tot Ion:	112	Resp:	836509
Ion Ratio	Lower	Upper	
112	100		
64	57.8	46.8	70.2
63	29.6	24.1	36.1

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Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 29.141 ng

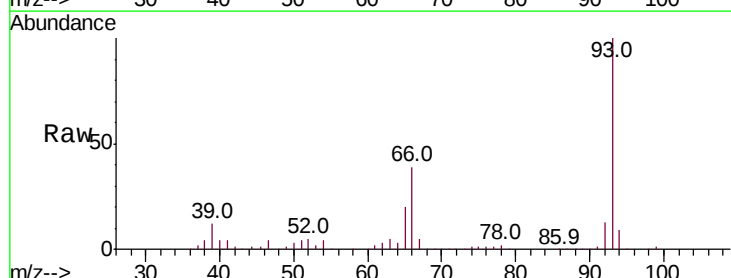
RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

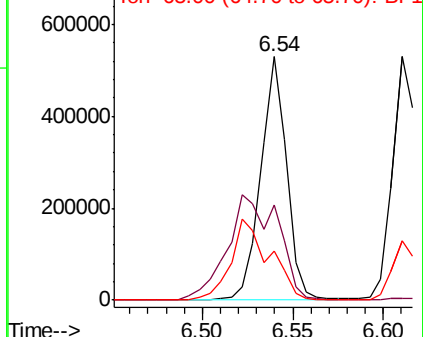
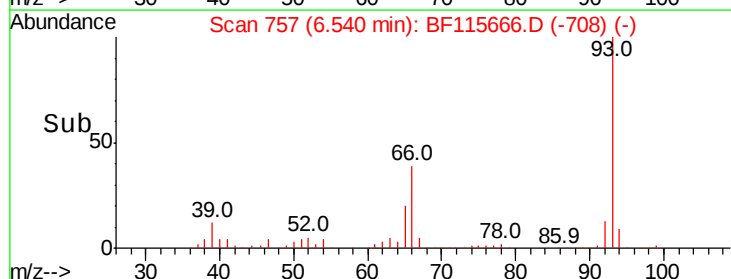
Lab File: BF115666.D

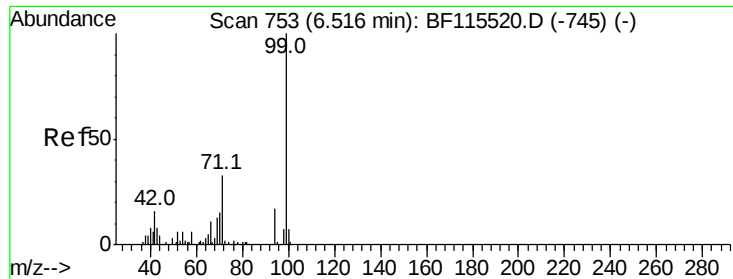
Acq: 19 Jul 2019 9:43

Tgt Ion:	93	Resp:	527731
Ion Ratio	Lower	Upper	
93	100		
66	38.9	31.7	47.5
65	20.1	16.2	24.2



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 81.323 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

PB121516BSD

Tot Ion: 99 Resp: 1058248

Ion Ratio Lower Upper

99 100

42 16.4 13.6 20.4

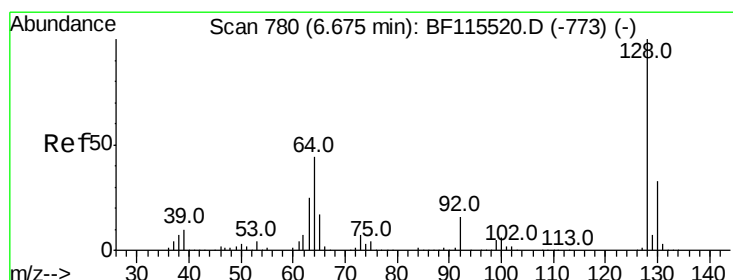
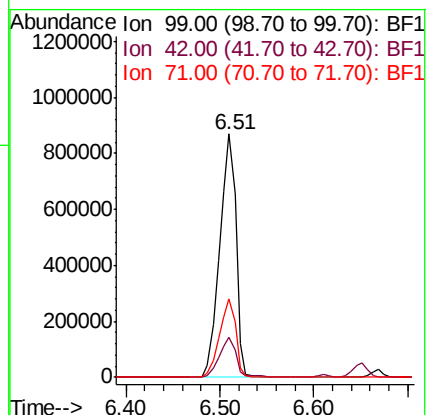
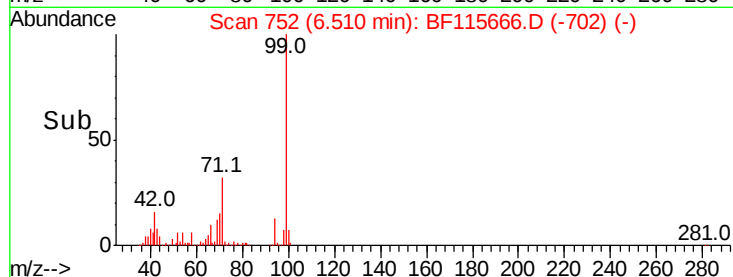
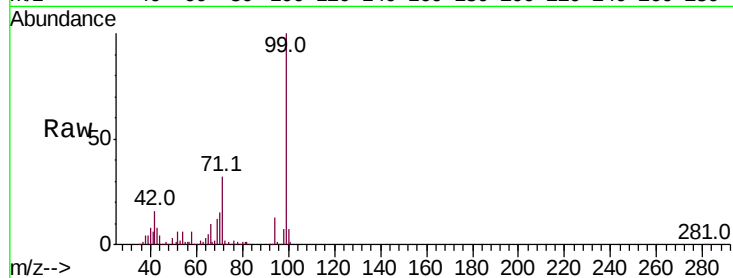
71 32.4 28.5 42.7

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#8

2-Chlorophenol

Concen: 40.594 ng

RT: 6.67 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

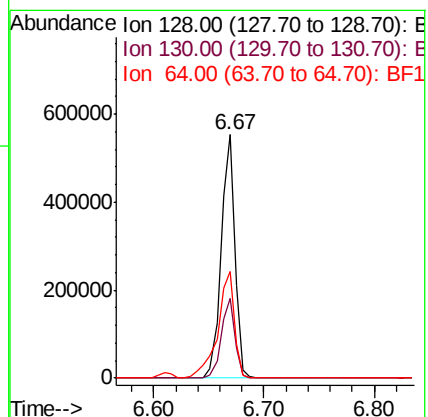
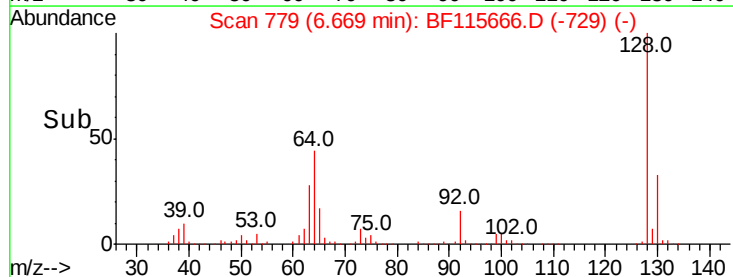
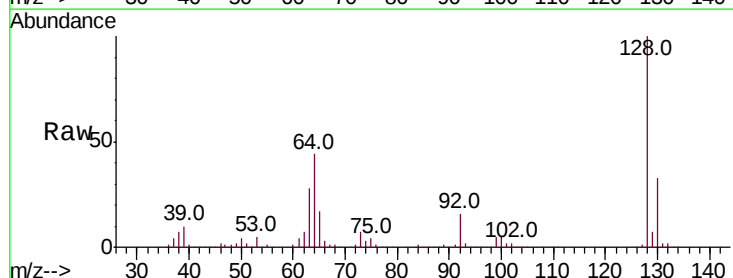
Tgt Ion: 128 Resp: 478645

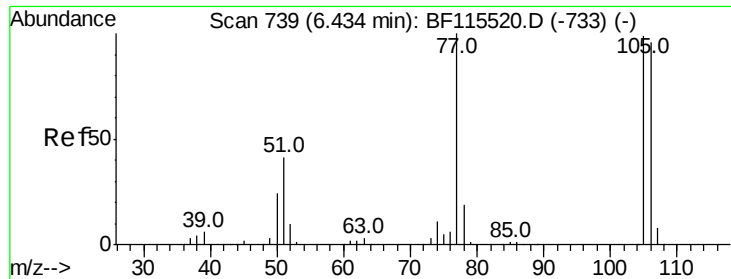
Ion Ratio Lower Upper

128 100

130 32.8 12.8 52.8

64 43.5 26.8 66.8





#9

Benzaldehyde

Concen: 31.164 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Instrument :

BNA_F

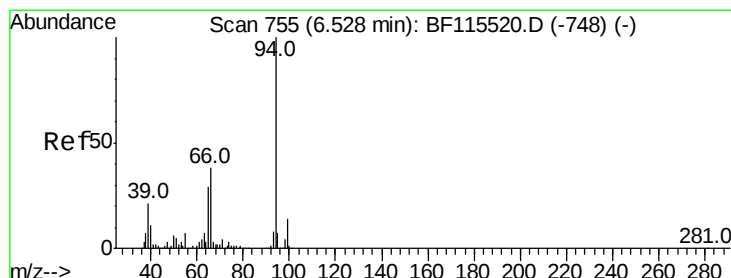
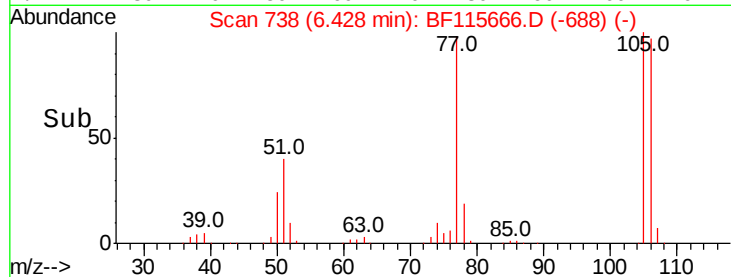
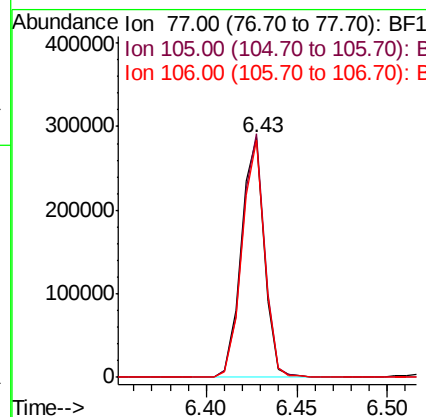
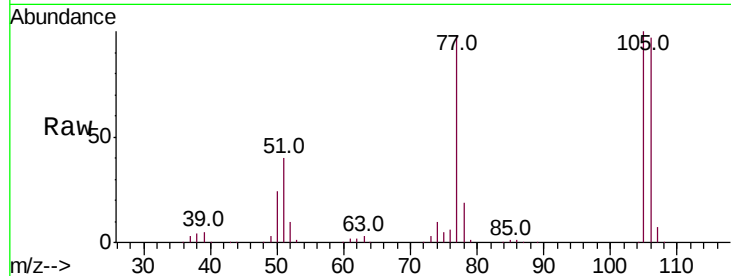
ClientSampleId :

PB121516BSD

Tot Ion:	77	Resp:	253422
Ion Ratio	Lower	Upper	
77	100		
105	101.7	78.8	118.8
106	99.0	75.6	115.6

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#10

Phenol

Concen: 40.454 ng

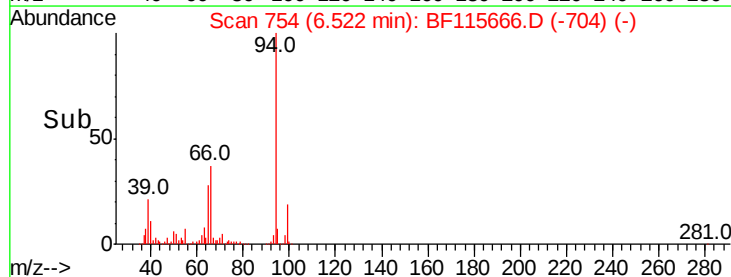
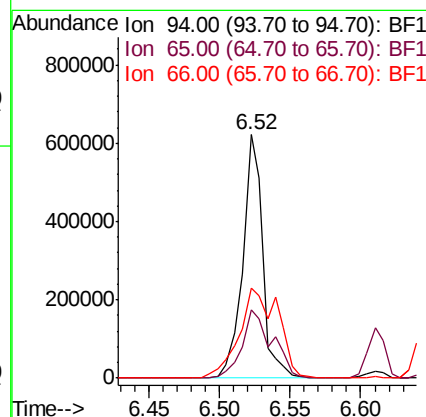
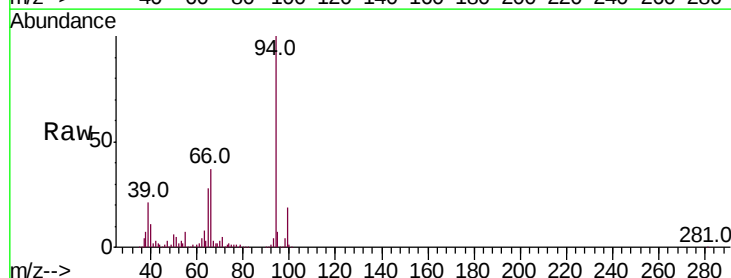
RT: 6.52 min Scan# 754

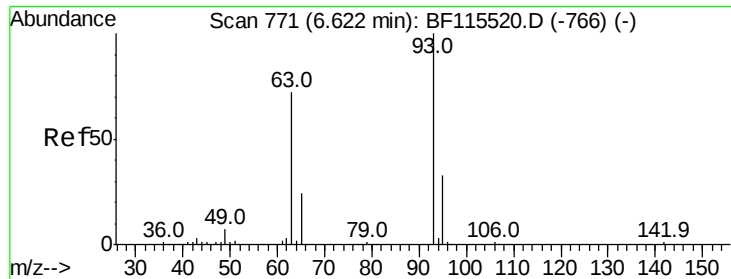
Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Tgt Ion:	94	Resp:	611113
Ion Ratio	Lower	Upper	
94	100		
65	28.2	14.5	54.5
66	37.0	31.3	71.3





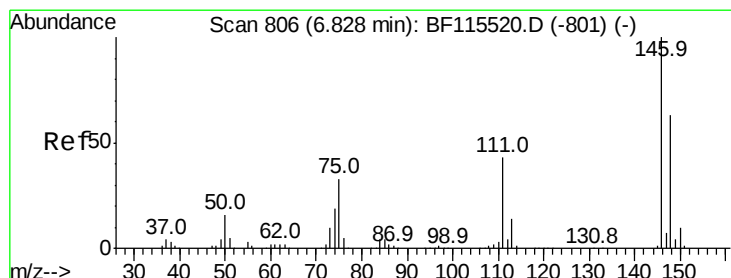
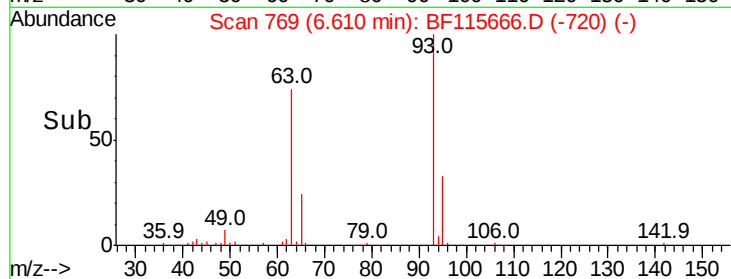
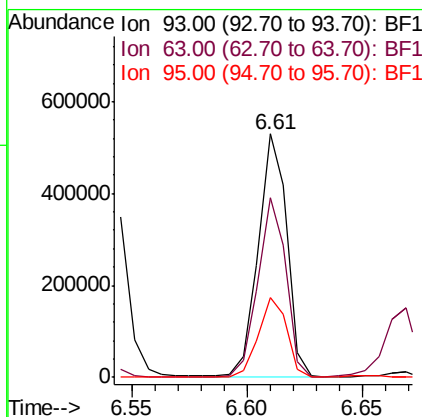
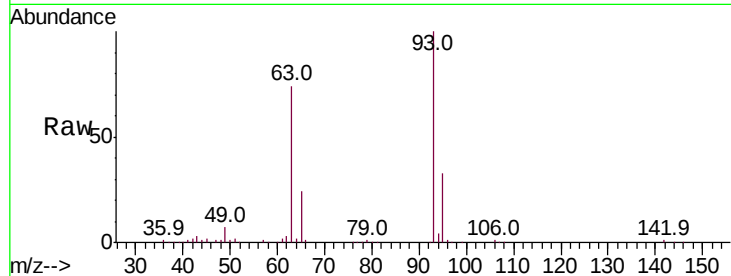
#11
bis(2-Chloroethyl)ether
Concen: 39.741 ng
RT: 6.61 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	457069		
63	73.8	52.2	92.2	
95	32.7	12.9	52.9	

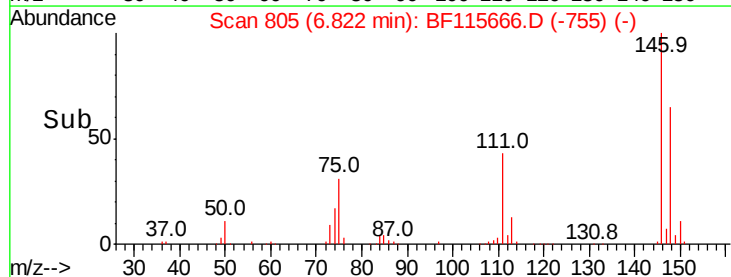
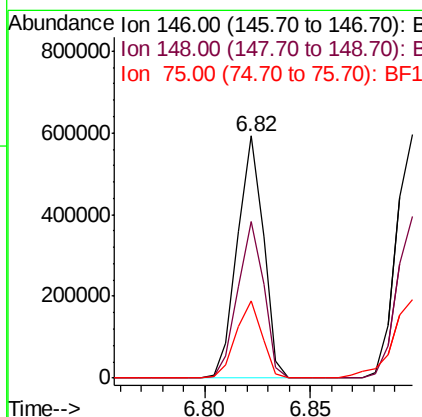
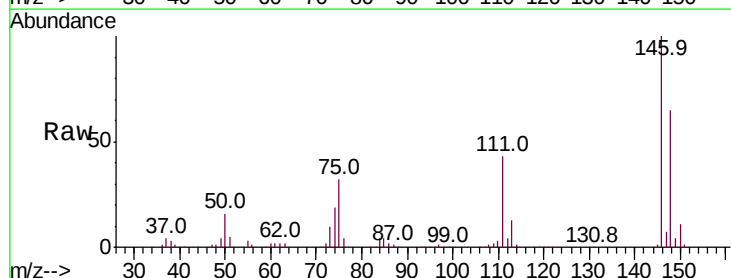
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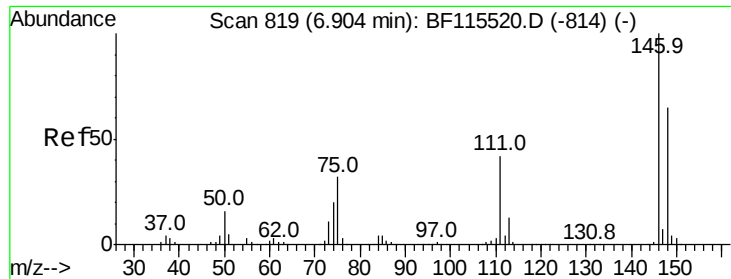
mohammad
7/22/2019 10:01:10 AM



#12
1,3-Dichlorobenzene
Concen: 38.174 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	506065		
148	64.9	52.1	78.1	
75	31.7	24.9	37.3	





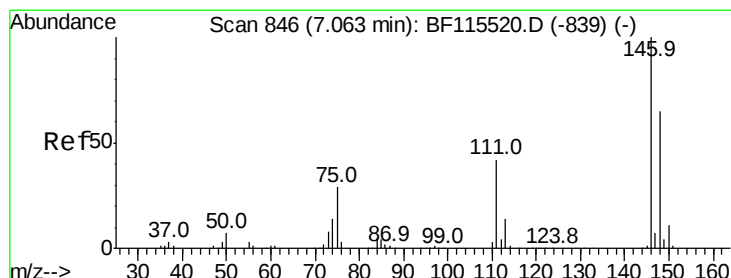
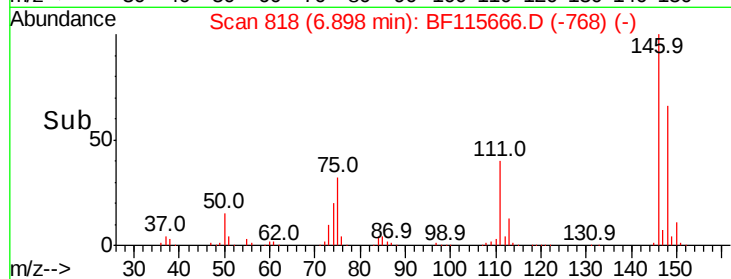
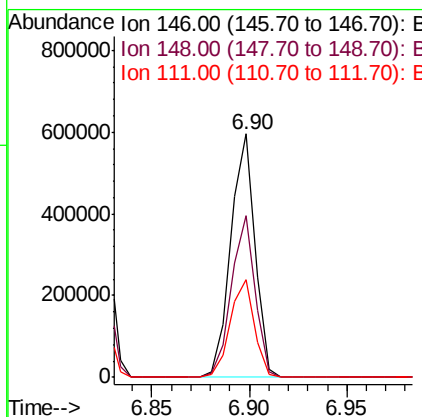
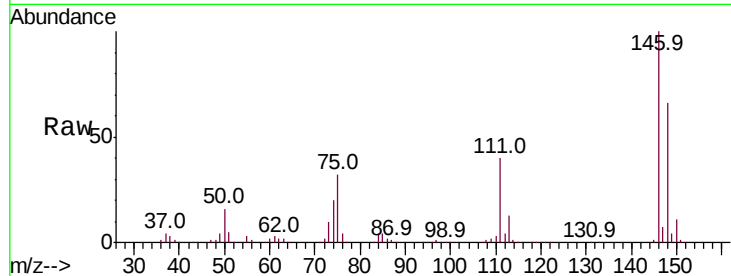
#13
 1,4-Dichlorobenzene
 Concen: 38.667 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF115666.D
 Acq: 19 Jul 2019 9:43

Instrument :
 BNA_F
 ClientSampleId :
 PB121516BSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.2	51.8	77.6
111	40.3	35.5	53.3

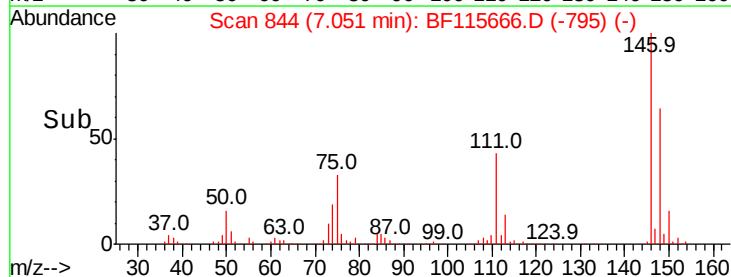
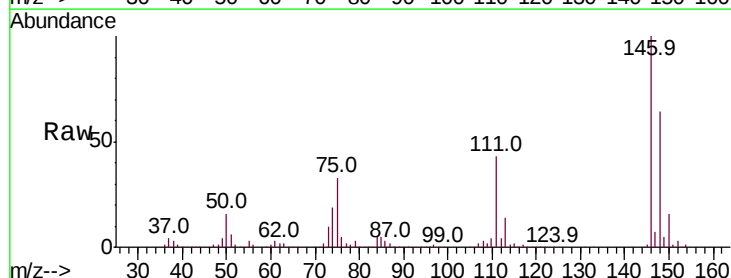
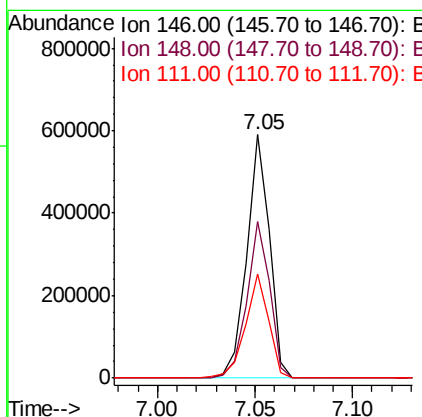
Manual Integrations
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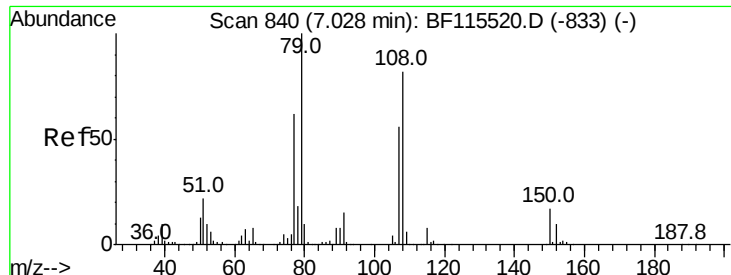
mohammad
 7/22/2019 10:01:10 AM



#14
 1,2-Dichlorobenzene
 Concen: 39.225 ng
 RT: 7.05 min Scan# 844
 Delta R.T. -0.01 min
 Lab File: BF115666.D
 Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.1	76.7
111	42.8	37.6	56.4





#15

Benzyl Alcohol

Concen: 39.630 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Instrument :

BNA_F

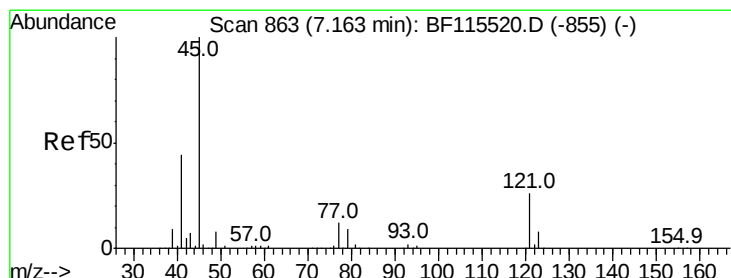
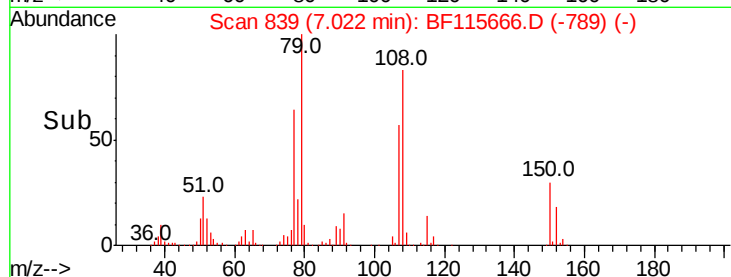
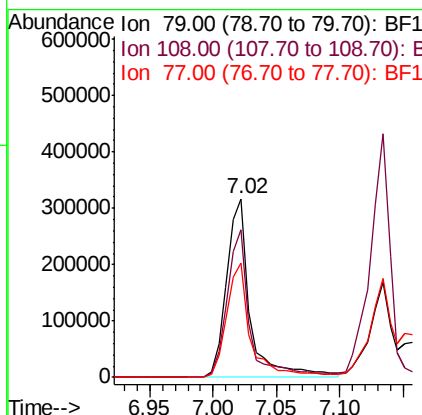
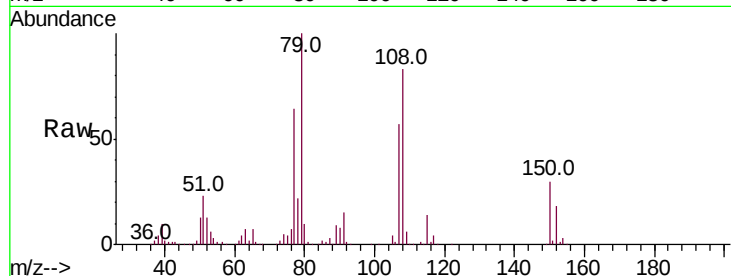
ClientSampleId :

PB121516BSD

Tot Ion:	79	Resp:	409100
Ion Ratio	Lower	Upper	
79	100		
108	82.5	64.2	96.4
77	64.3	51.8	77.8

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#16

2,2'-oxybis(1-chloropropane)

Concen: 40.447 ng

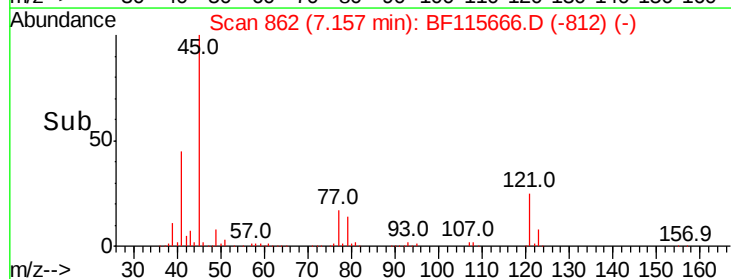
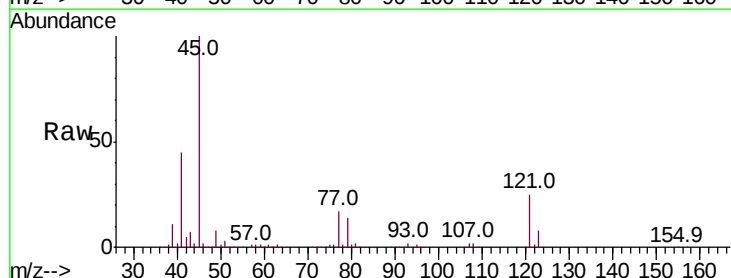
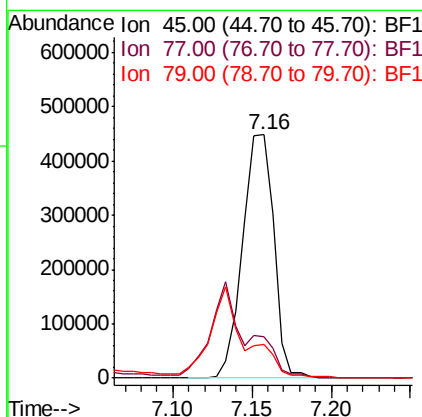
RT: 7.16 min Scan# 862

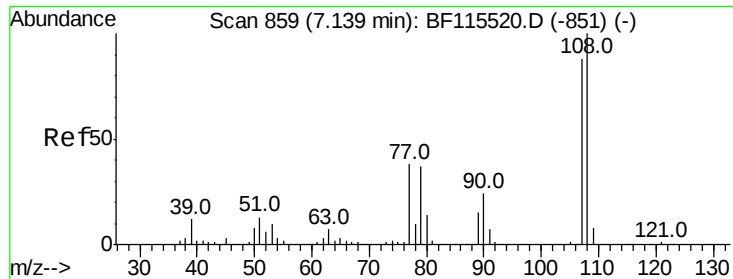
Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Tgt Ion:	45	Resp:	612433
Ion Ratio	Lower	Upper	
45	100		
77	16.9	0.0	38.1
79	13.7	0.0	34.1





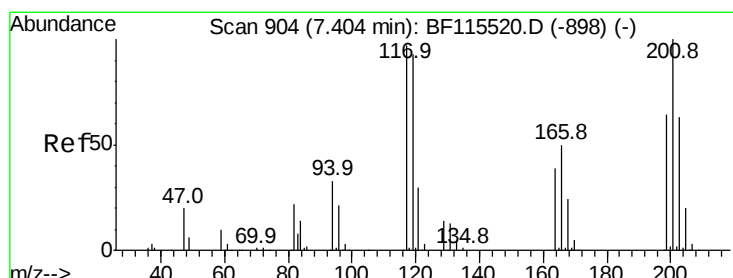
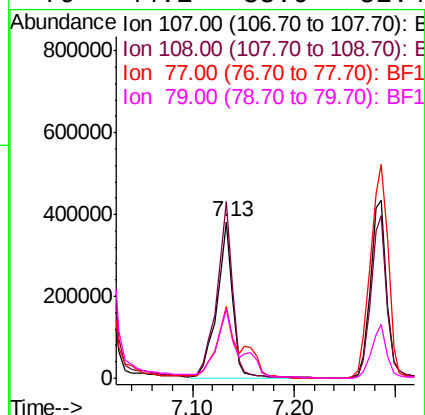
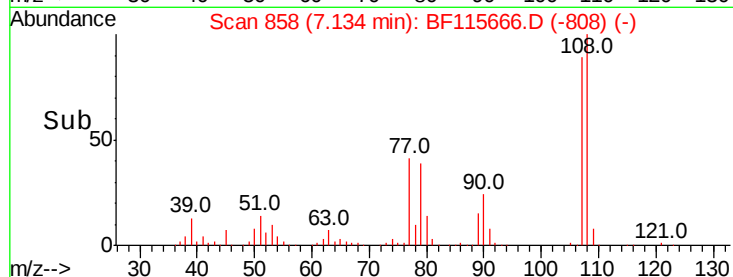
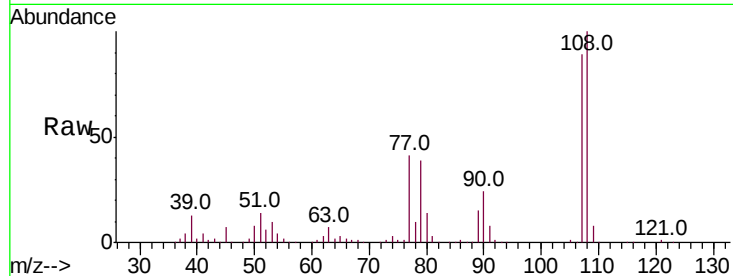
#17
2-Methylphenol
Concen: 41.274 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.8	89.4	134.2	
77	46.1	35.7	53.5	
79	44.1	35.0	52.4	

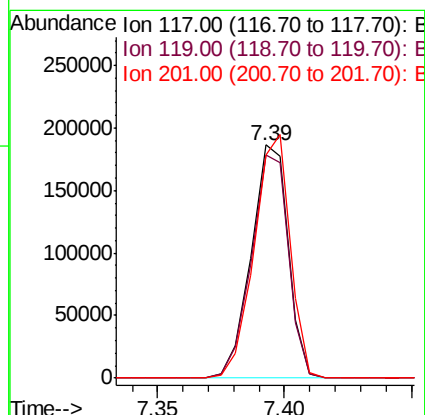
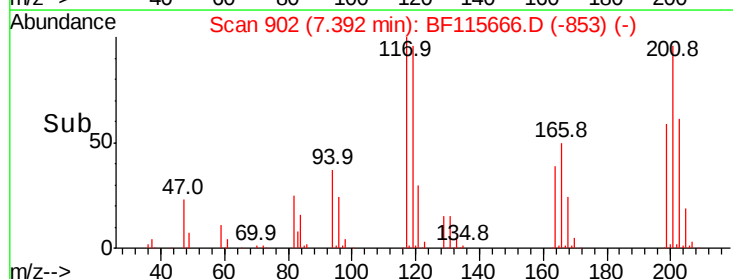
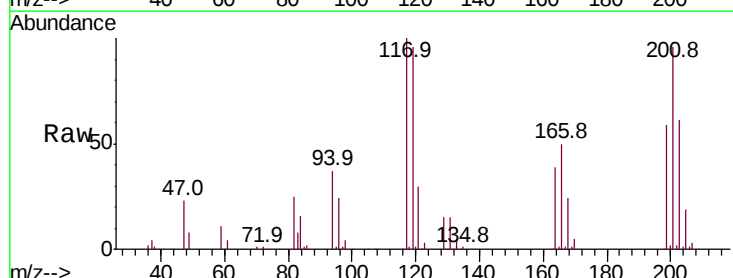
Manual Integrations
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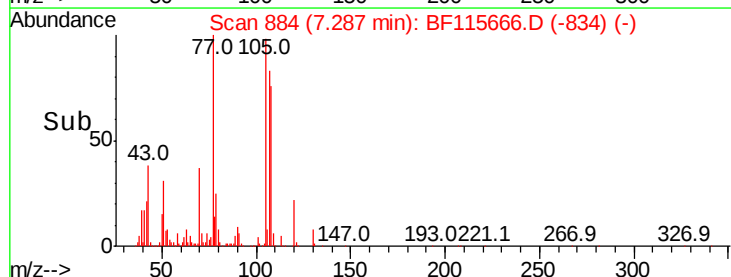
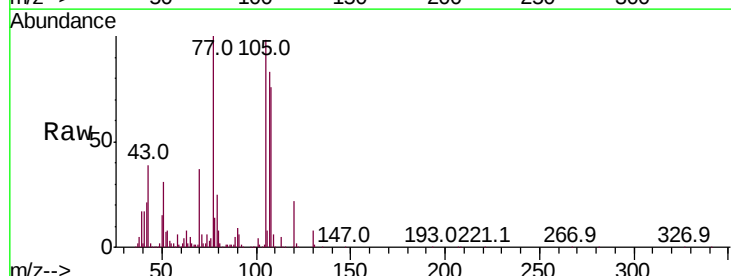
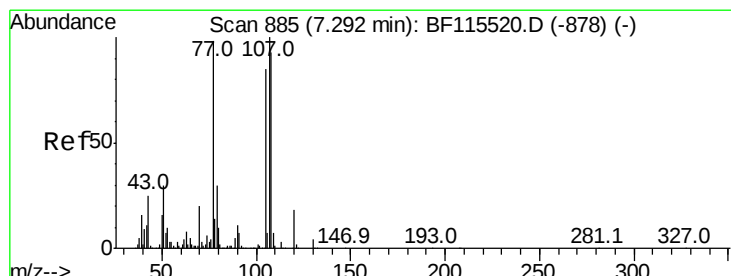
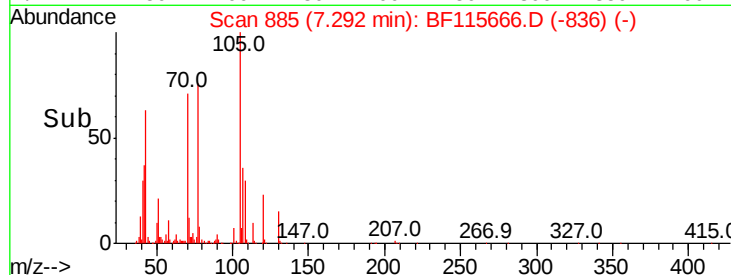
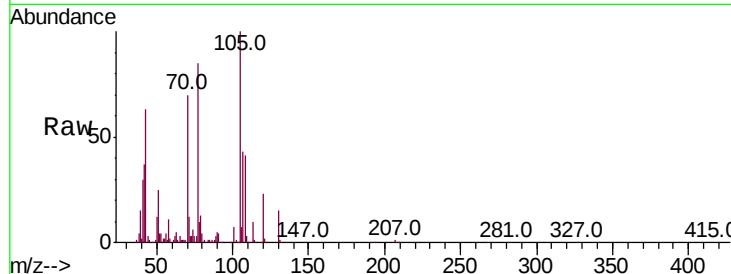
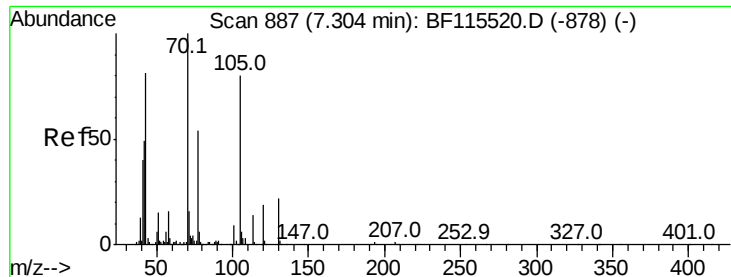
mohammad
7/22/2019 10:01:10 AM



#18
Hexachloroethane
Concen: 38.672 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.6	77.7	116.5	
201	95.7	86.0	129.0	





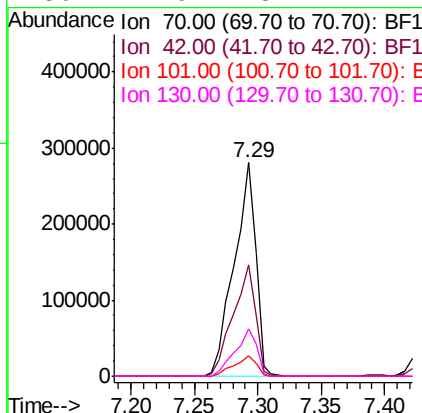
#19
n-Nitroso-di-n-propylamine
Concen: 38.916 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	52.1	39.6	59.4	
101	9.5	8.1	12.1	
130	21.9	18.2	27.2	

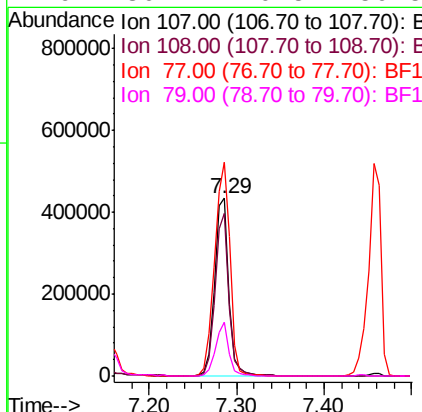
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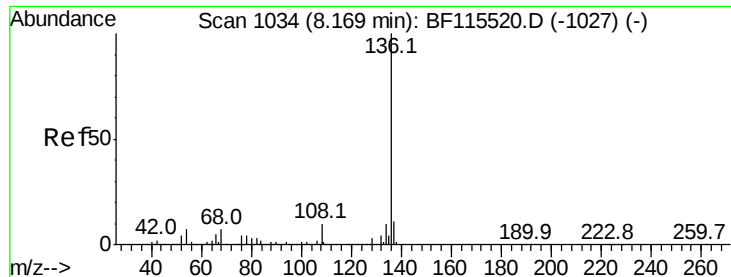
mohammad
7/22/2019 10:01:10 AM



#20
3+4-Methylphenols
Concen: 40.281 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	91.7	72.9	112.9	
77	120.2	77.6	117.6#	
79	30.2	10.5	50.5	





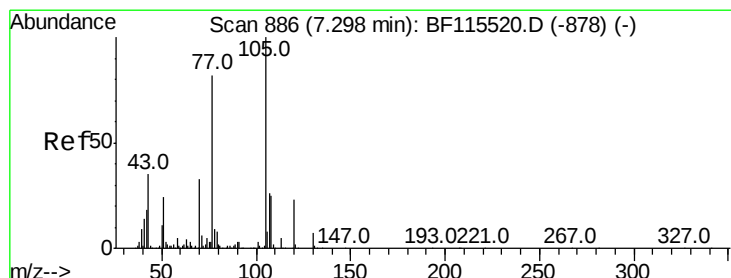
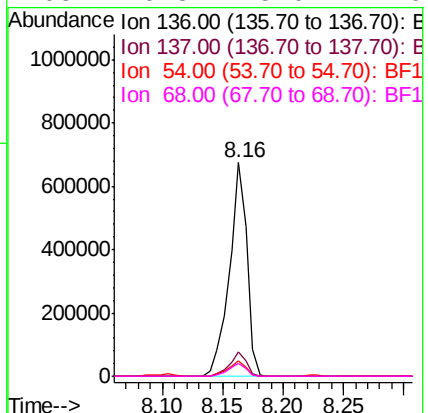
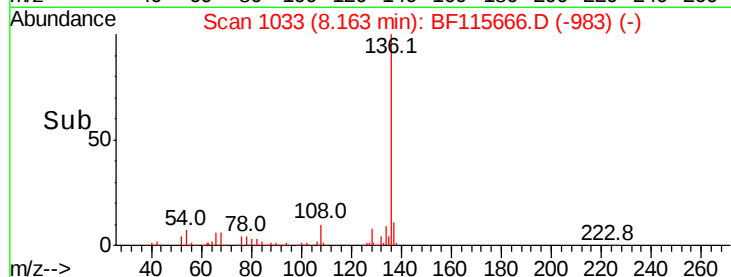
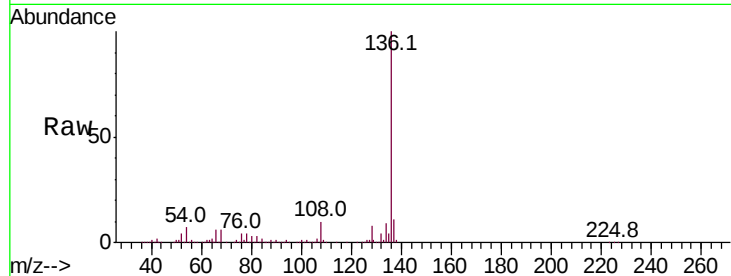
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	9.0	13.4	
54	7.2	5.6	8.4	
68	6.3	5.0	7.6	

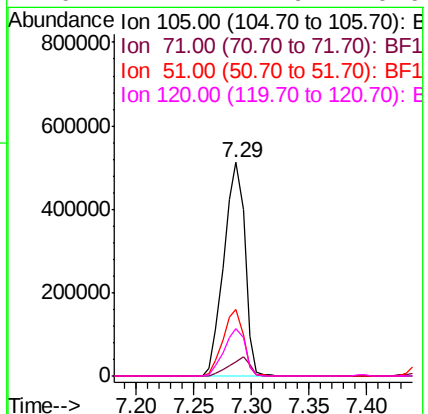
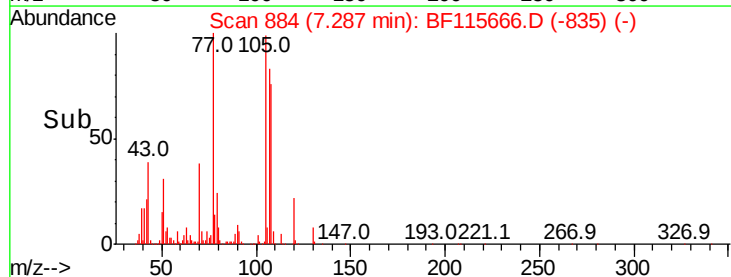
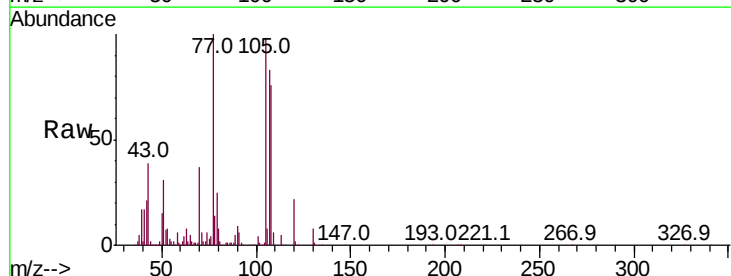
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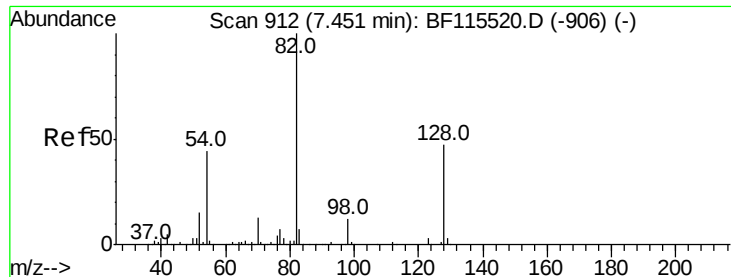
mohammad
7/22/2019 10:01:10 AM



#22
Acetophenone
Concen: 42.206 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.3	3.5	5.3#	
51	31.4	25.6	38.4	
120	22.4	17.9	26.9	





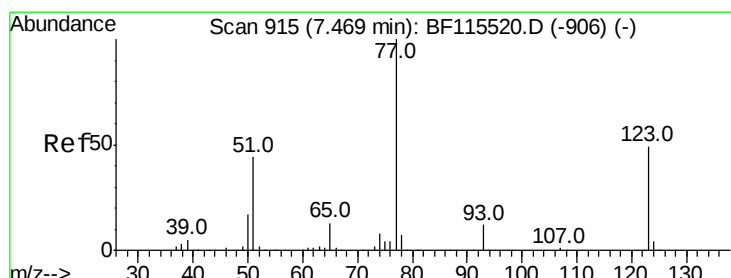
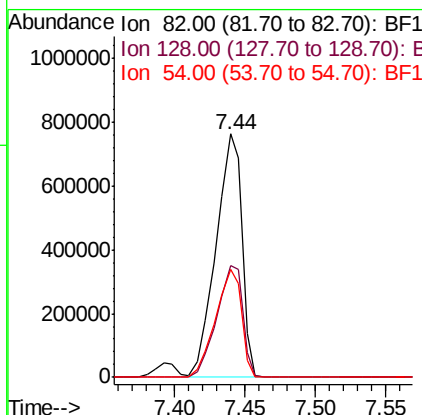
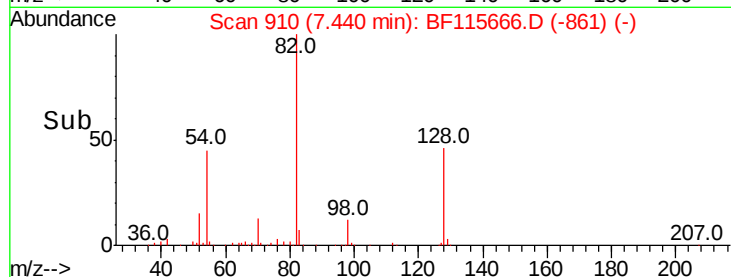
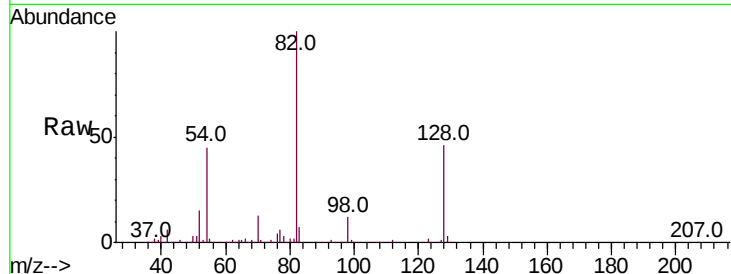
#23
Nitrobenzene-d5
Concen: 83.381 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	38.6	57.8
54	44.6	35.6	53.4

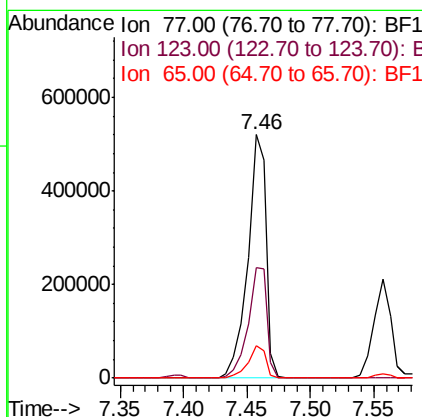
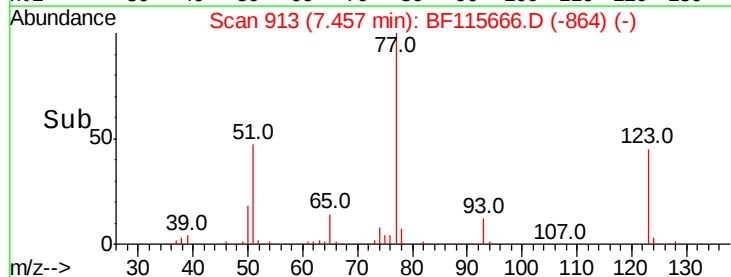
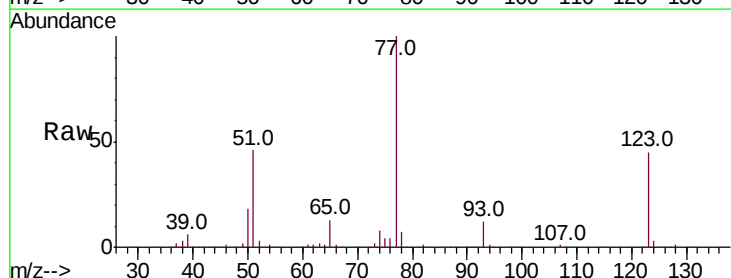
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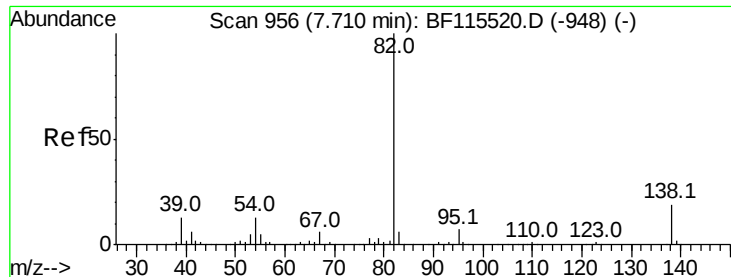
mohammad
7/22/2019 10:01:10 AM



#24
Nitrobenzene
Concen: 41.402 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.2	40.0	60.0
65	13.3	11.0	16.4





#25

Isophorone

Concen: 41.047 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Instrument :

BNA_F

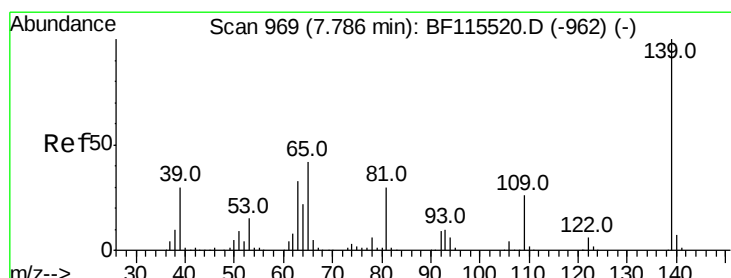
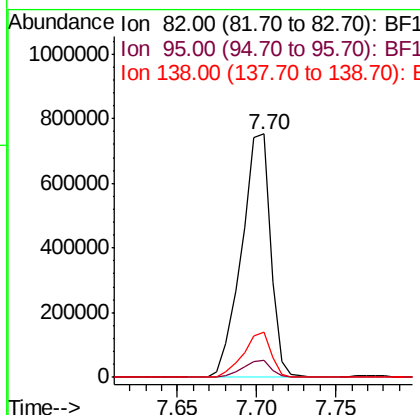
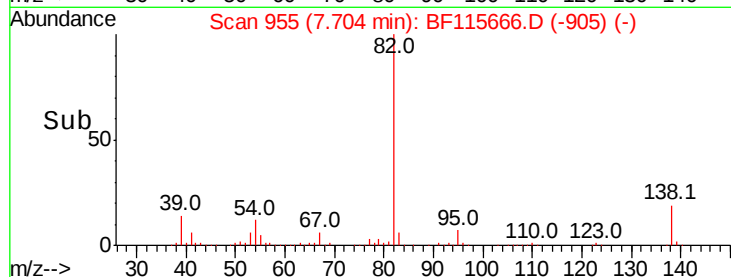
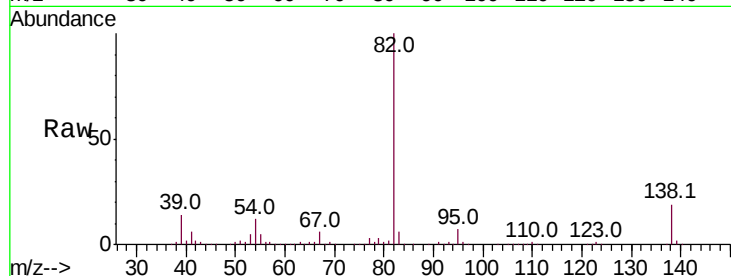
ClientSampleId :

PB121516BSD

Tot Ion:	82	Resp:	958309
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.5	8.3
138	18.6	14.9	22.3

Manual Integrations
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7/22/2019 10:01:10 AM



#26

2-Nitrophenol

Concen: 41.161 ng

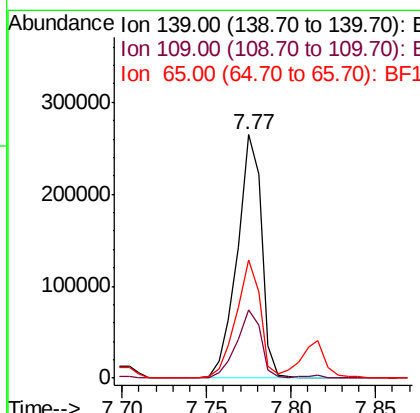
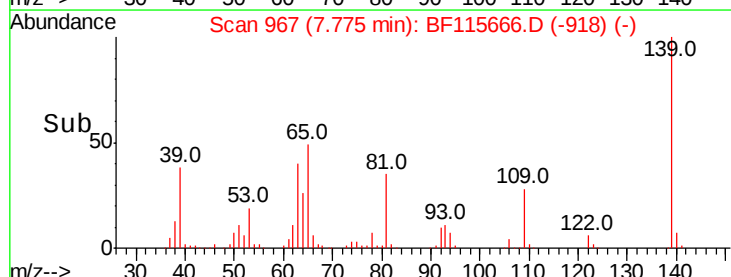
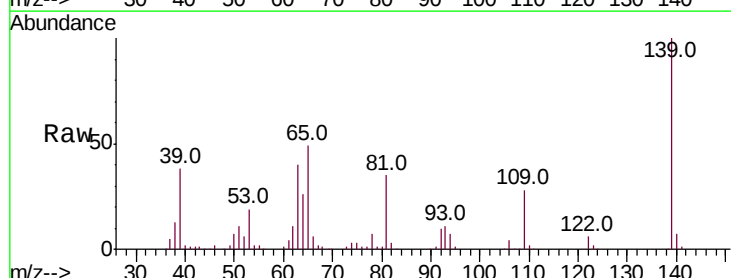
RT: 7.77 min Scan# 967

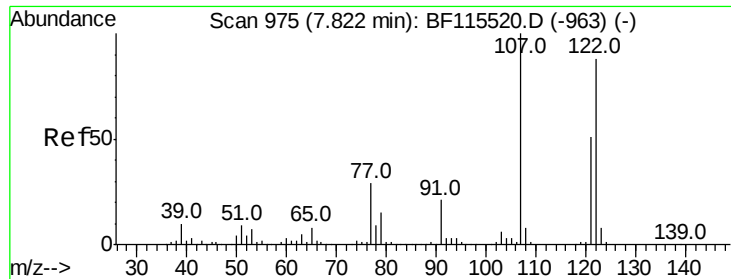
Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Tgt Ion:	139	Resp:	266612
Ion Ratio	Lower	Upper	
139	100		
109	27.9	23.3	34.9
65	48.7	37.9	56.9





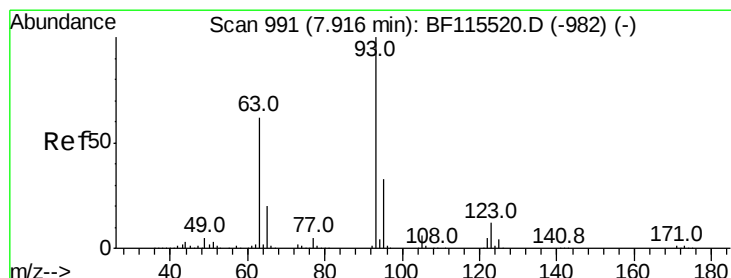
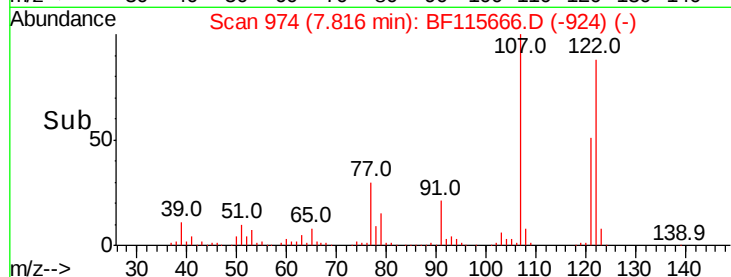
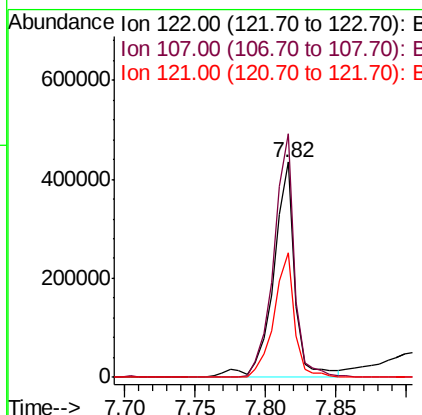
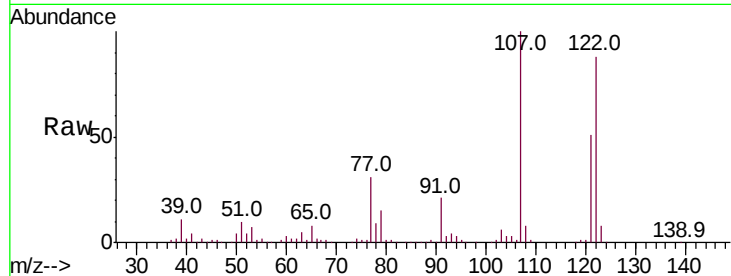
#27
2,4-Dimethylphenol
Concen: 48.023 ng
RT: 7.82 min Scan# 974
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	465421		
107	113.2	92.9	139.3	
121	57.7	46.9	70.3	

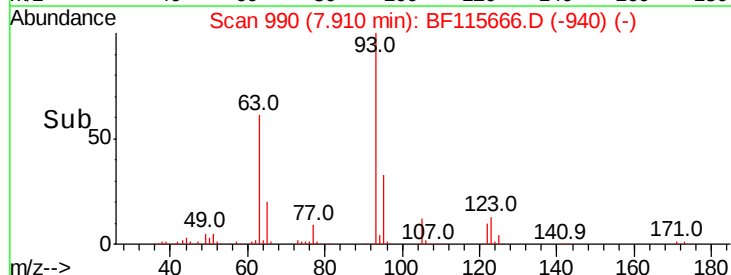
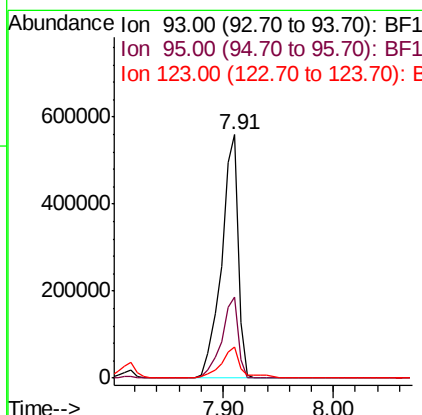
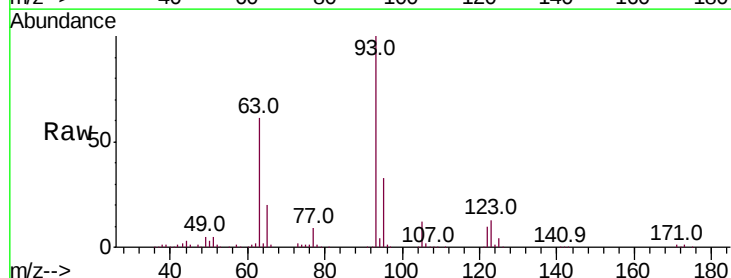
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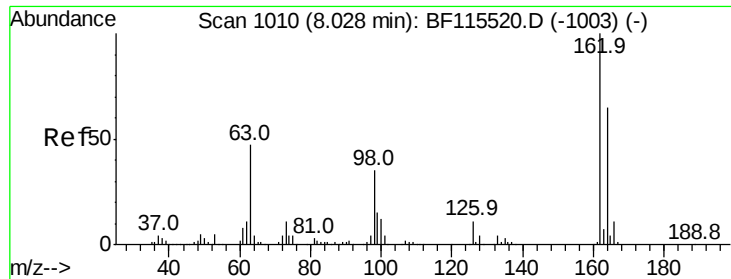
mohammad
7/22/2019 10:01:10 AM



#28
bis(2-Chloroethoxy)methane
Concen: 41.199 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	590079		
95	33.2	27.0	40.4	
123	12.7	9.9	14.9	





#29

2,4-Dichlorophenol

Concen: 41.254 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Instrument :

BNA_F

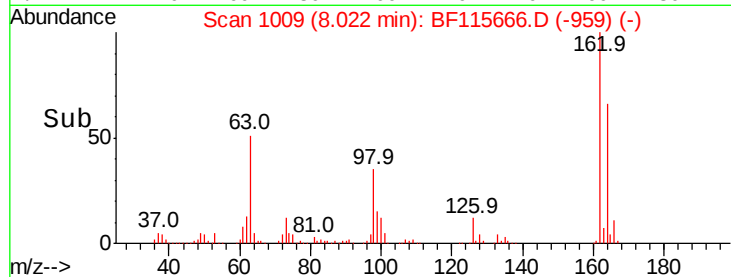
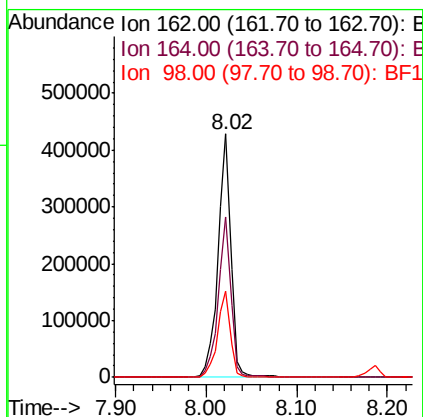
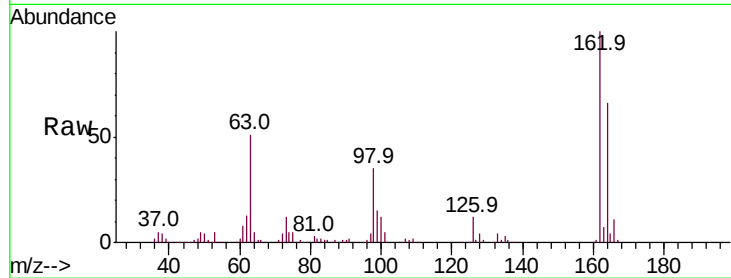
ClientSampleId :

PB121516BSD

Tot Ion:	162	Resp:	415812
Ion Ratio	Lower	Upper	
162	100		
164	65.6	44.9	84.9
98	35.5	17.7	57.7

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#30

1,2,4-Trichlorobenzene

Concen: 39.647 ng

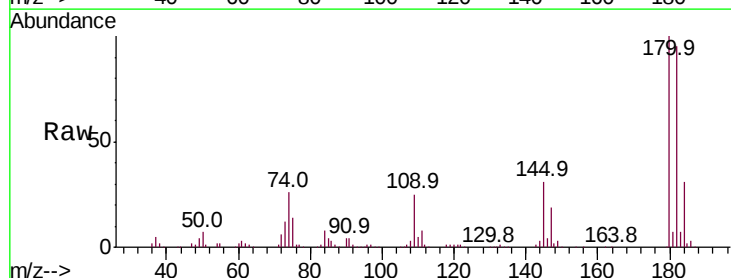
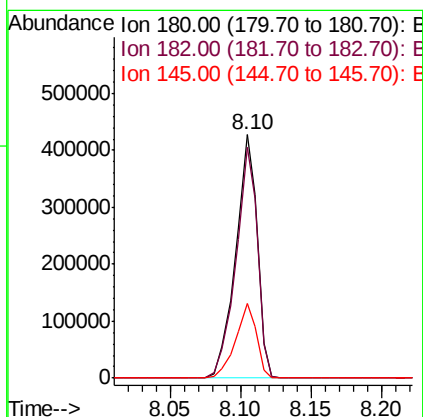
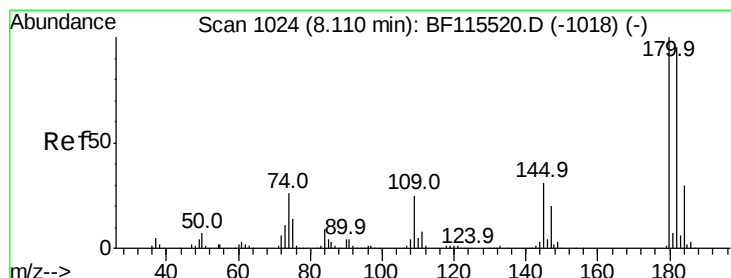
RT: 8.10 min Scan# 1023

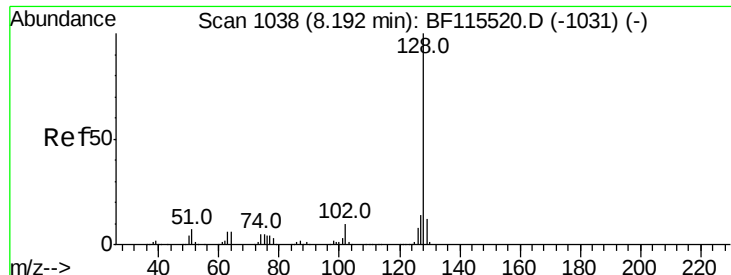
Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Tgt Ion:	180	Resp:	451713
Ion Ratio	Lower	Upper	
180	100		
182	95.0	75.0	112.6
145	30.6	25.1	37.7





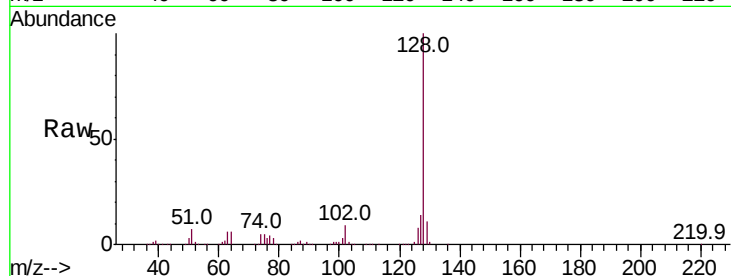
#31
Naphthalene
Concen: 42.020 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

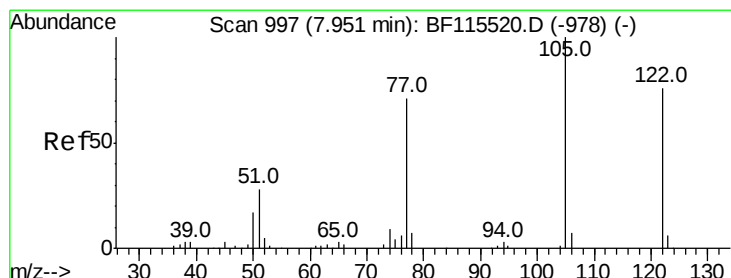
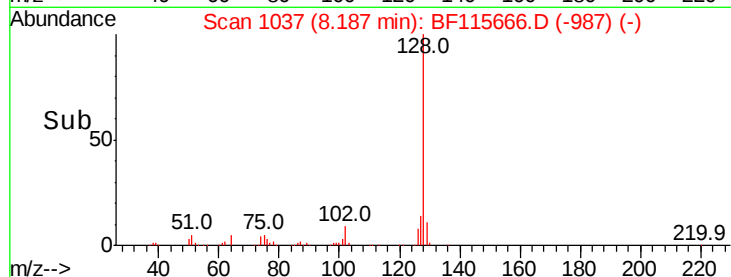
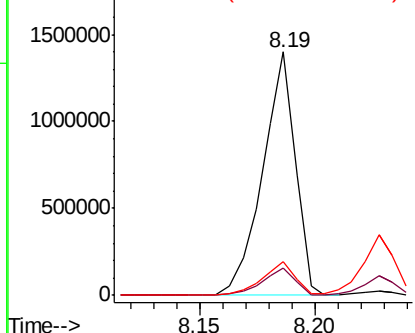
Tot Ion:128 Resp: 1380587
Ion Ratio Lower Upper
128 100
129 11.4 9.9 14.9
127 13.6 12.1 18.1

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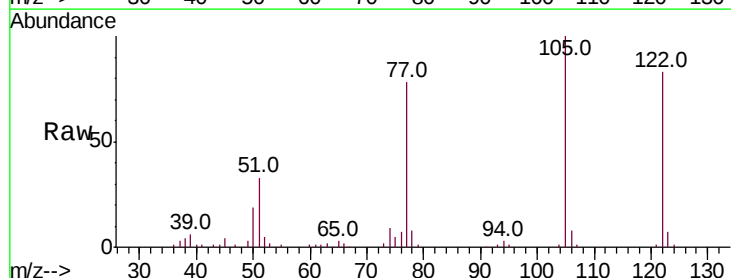


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

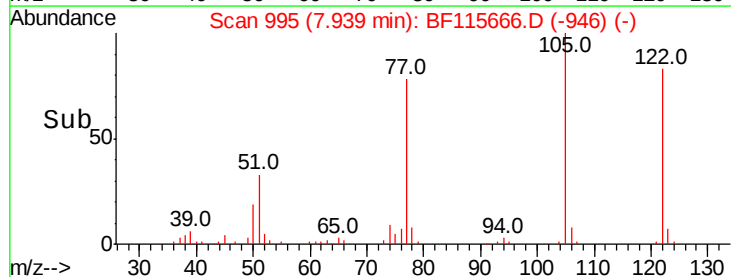
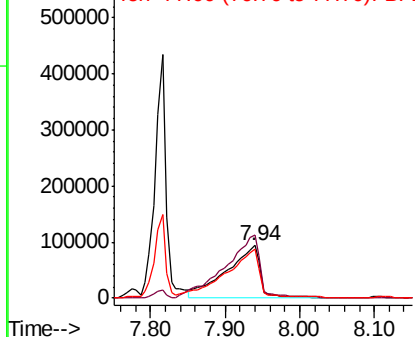


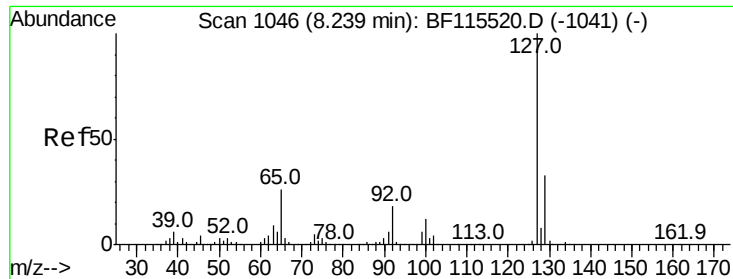
#32
Benzoic acid
Concen: 36.559 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion:122 Resp: 290773
Ion Ratio Lower Upper
122 100
105 120.3 102.5 142.5
77 94.0 70.2 110.2



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





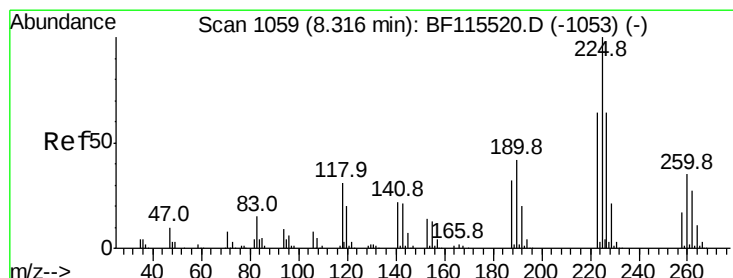
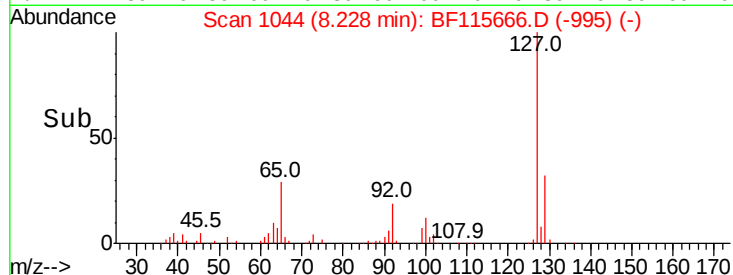
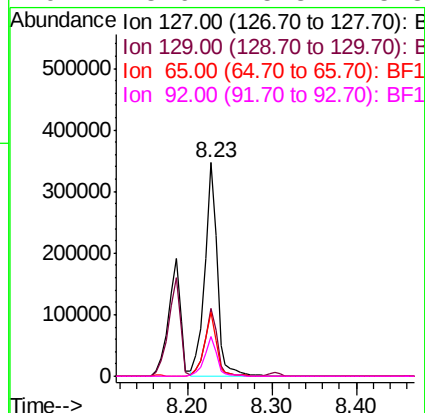
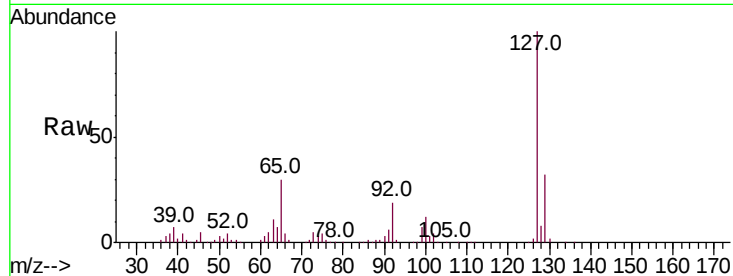
#33
4-Chloroaniline
Concen: 24.137 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.8	26.6	39.8		
65	30.0	23.7	35.5		
92	18.6	15.8	23.8		

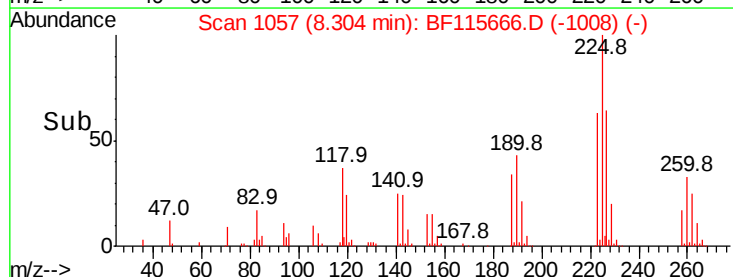
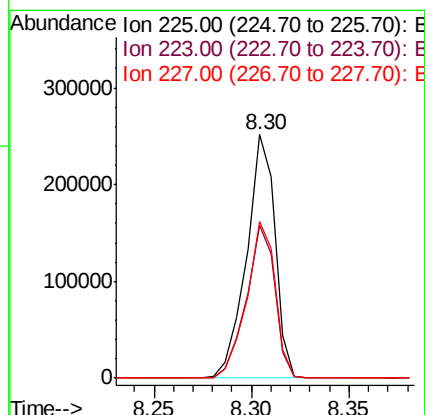
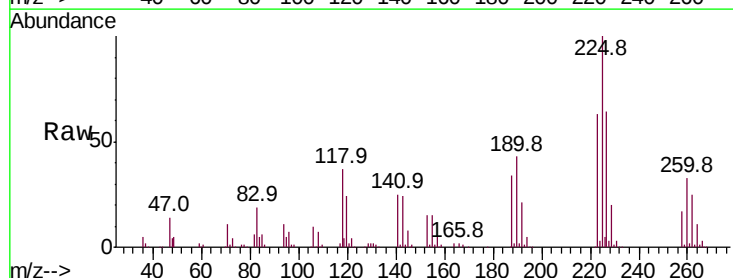
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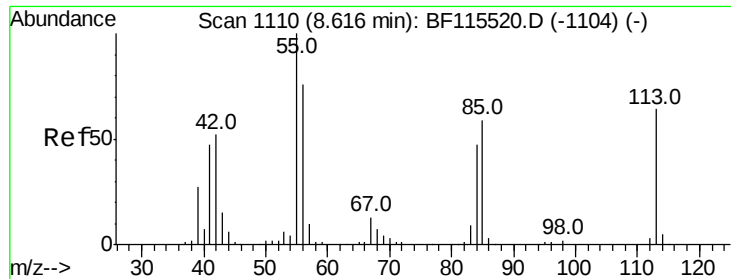
mohammad
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#34
Hexachlorobutadiene
Concen: 38.941 ng
RT: 8.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.7	50.9	76.3		
227	64.2	50.7	76.1		





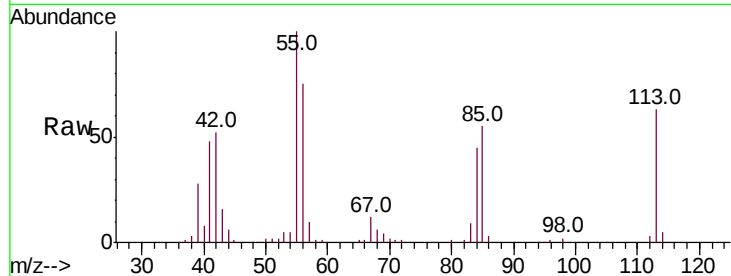
#35
Caprolactam
Concen: 40.013 ng/ml
RT: 8.60 min Scan# 1107
Delta R.T. -0.02 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleID :
PB121516BSD

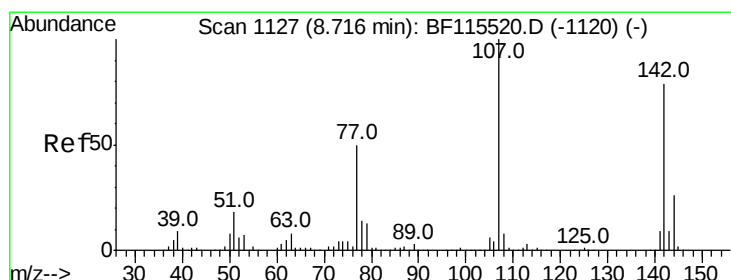
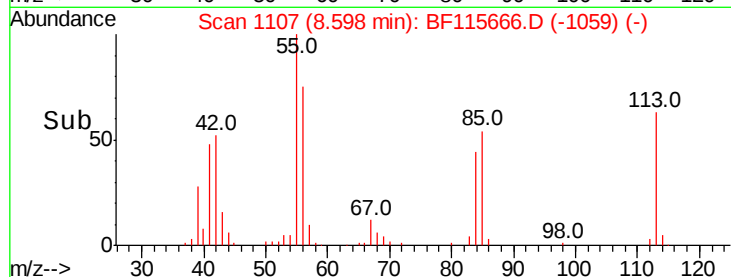
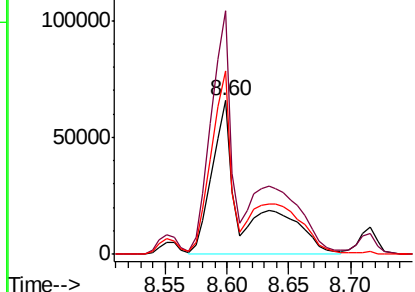
Tot Ion	Ratio	Lower	Upper
113	100		
55	158.5	126.9	166.9
56	119.2	90.3	130.3

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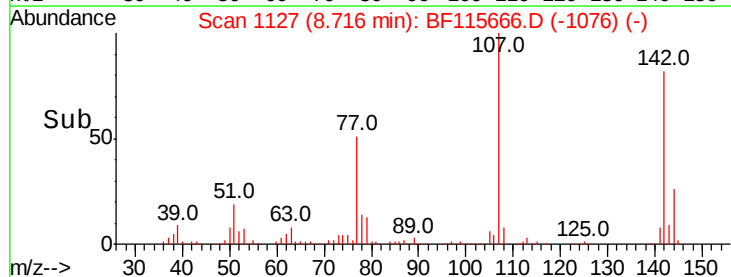
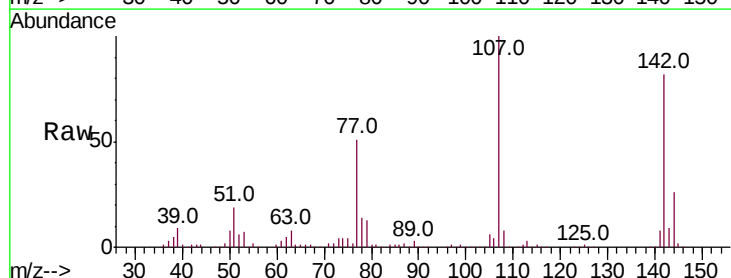
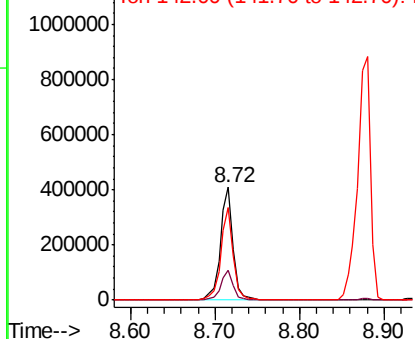
Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

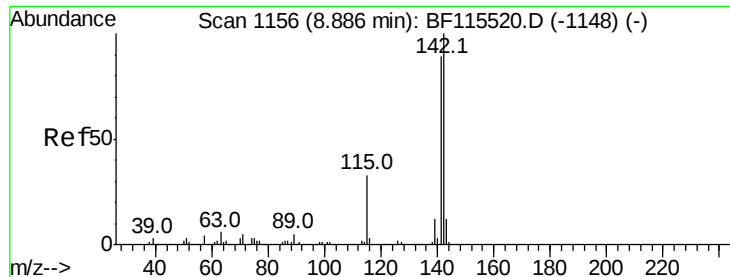


#36
4-Chloro-3-methylphenol
Concen: 41.432 ng/ml
RT: 8.72 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.4	20.6	30.8
142	82.5	63.1	94.7

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: 42.862 ng

RT: 8.88 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

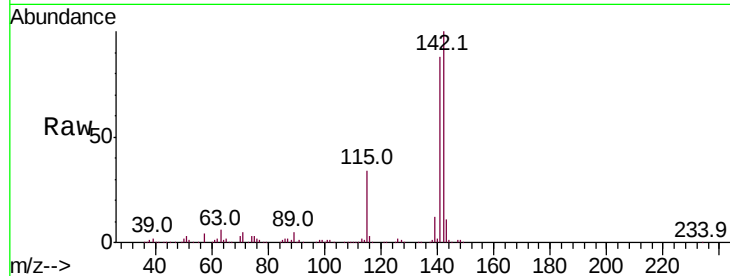
Instrument :
BNA_F

ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	933500		
141	88.0	72.0	108.0	
115	34.0	29.9	44.9	

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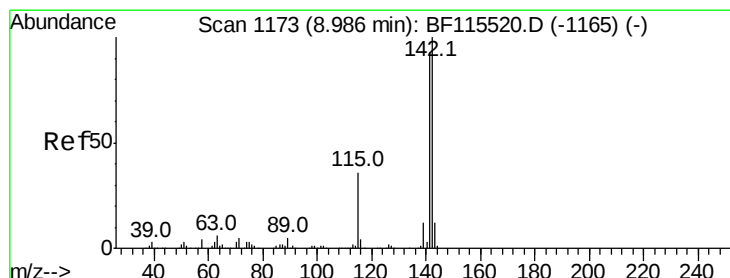
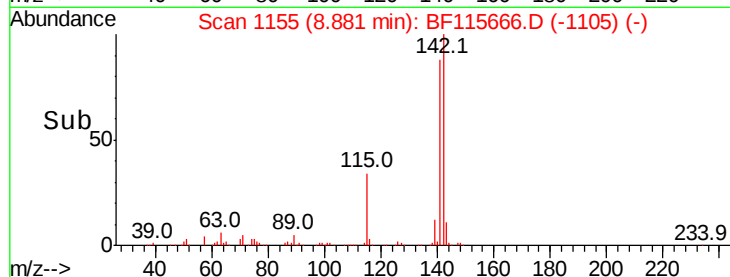
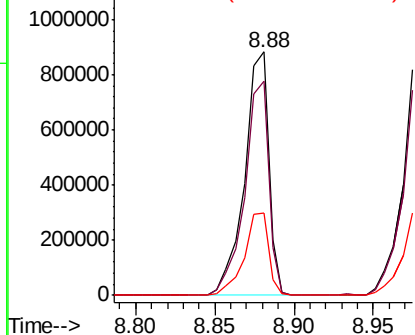


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 42.092 ng

RT: 8.97 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

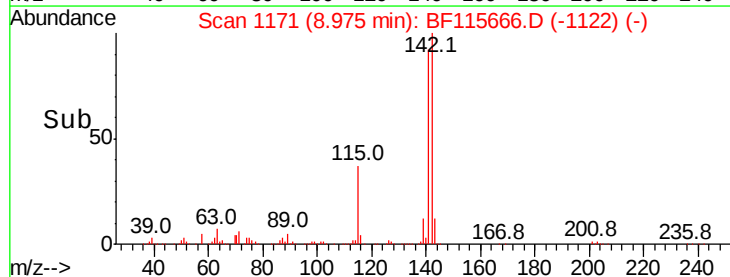
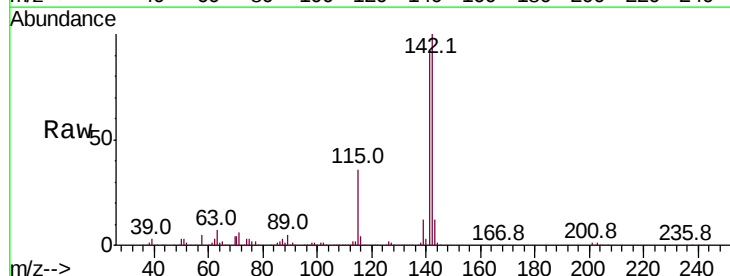
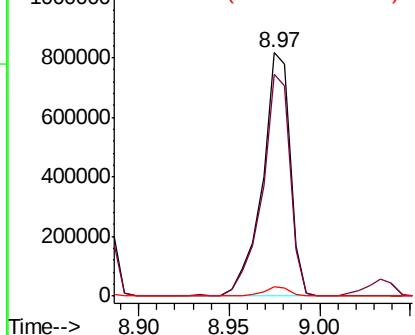
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	870737		
141	91.4	75.3	112.9	
116	4.0	3.3	4.9	

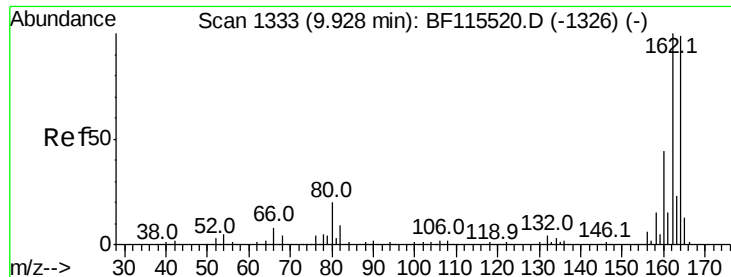
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





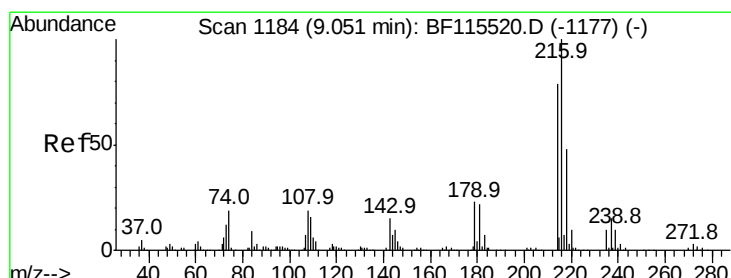
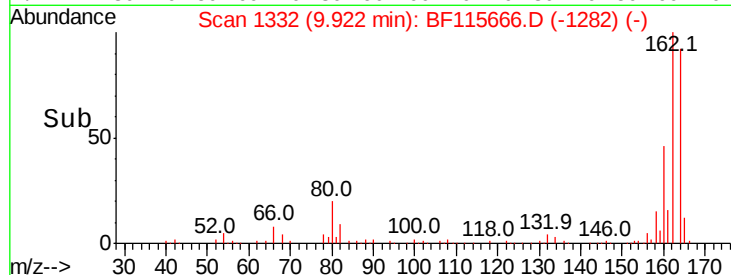
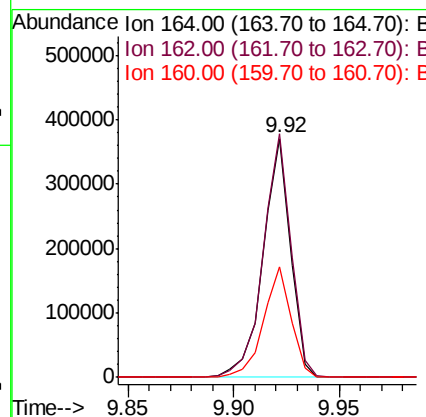
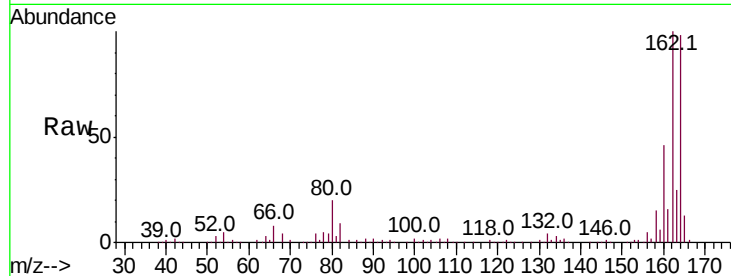
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleID :
PB121516BSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.0	82.9	124.3	
160	46.4	36.8	55.2	

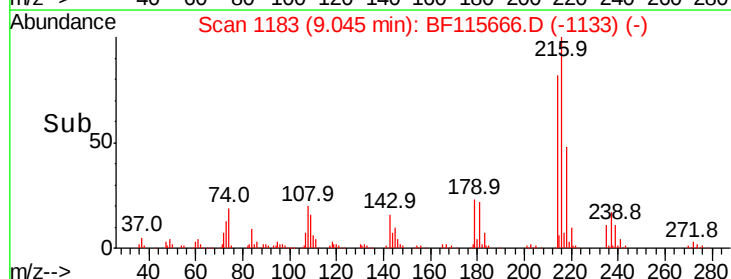
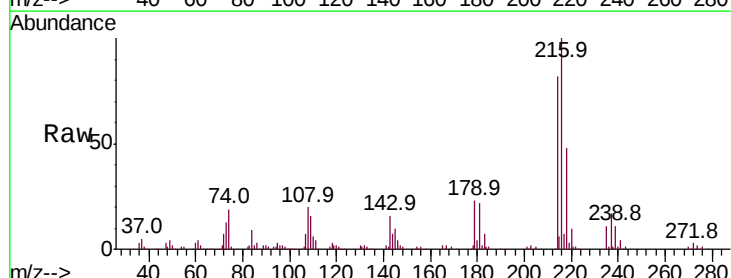
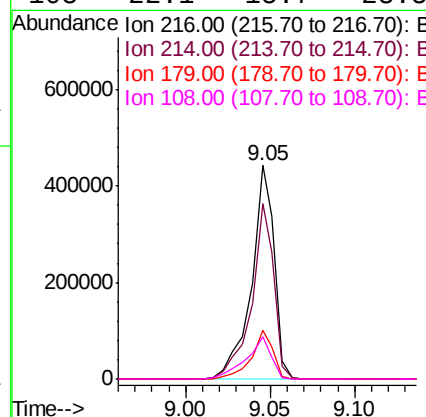
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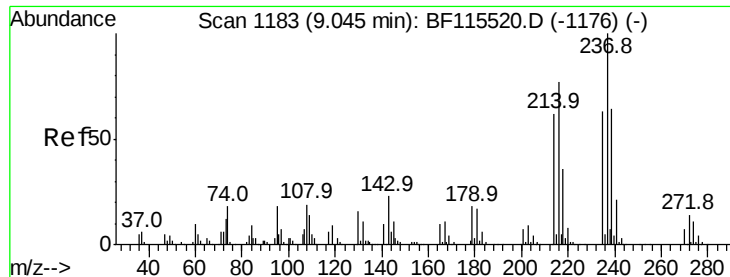
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.224 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.9	65.1	97.7	
179	21.6	18.3	27.5	
108	22.1	15.7	23.5	





#41

Hexachlorocyclopentadiene

Concen: 83.968 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Instrument :

BNA_F

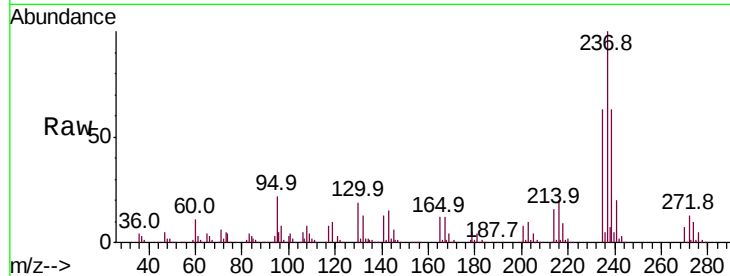
ClientSampleId :

PB121516BSD

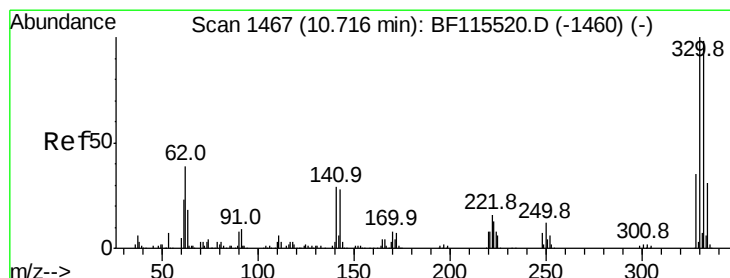
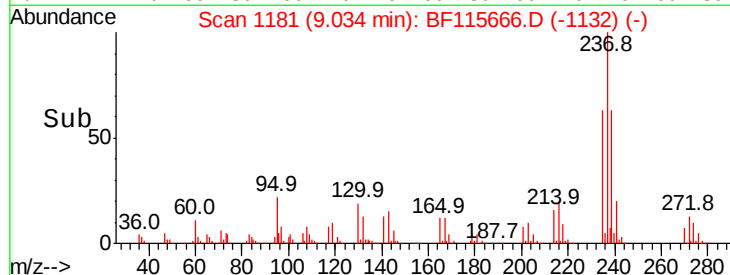
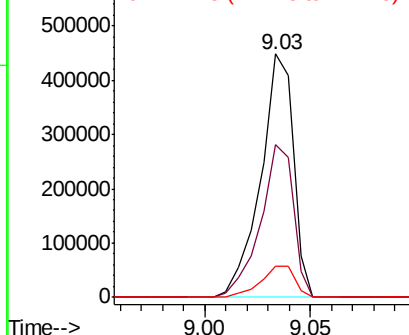
Tot Ion:	237	Resp:	485066
Ion Ratio		Lower	Upper
237	100		
235	62.9	43.6	83.6
272	12.9	0.0	33.9

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 79.370 ng

RT: 10.71 min Scan# 1466

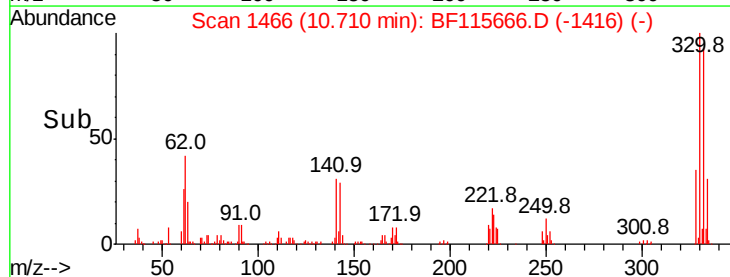
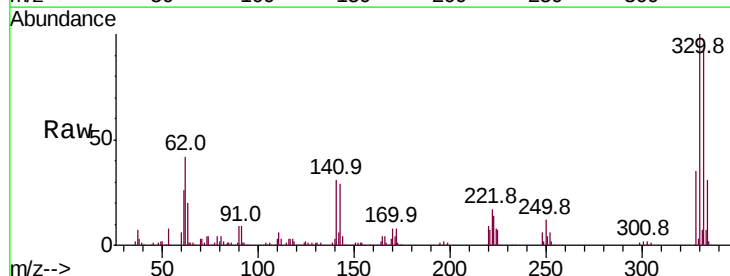
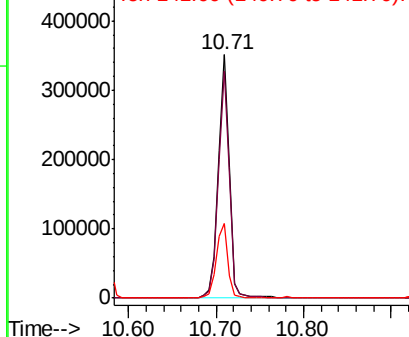
Delta R.T. -0.01 min

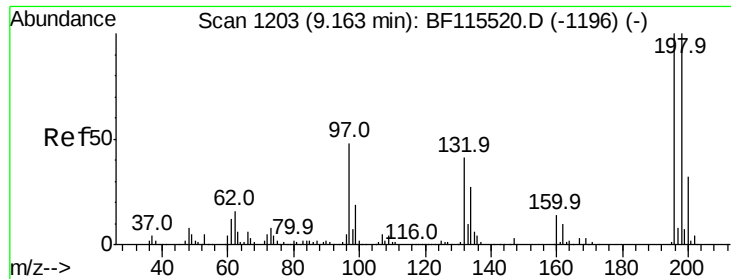
Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Tgt Ion:	330	Resp:	311555
Ion Ratio		Lower	Upper
330	100		
332	94.1	77.4	116.2
141	32.2	22.4	33.6

Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





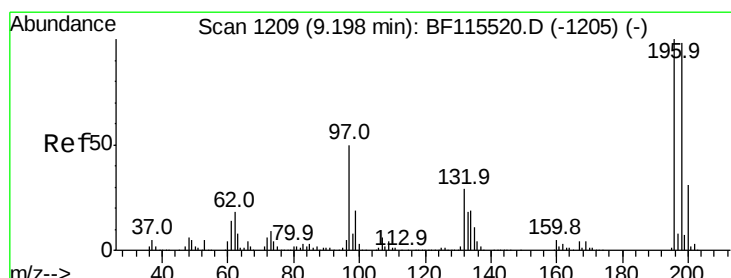
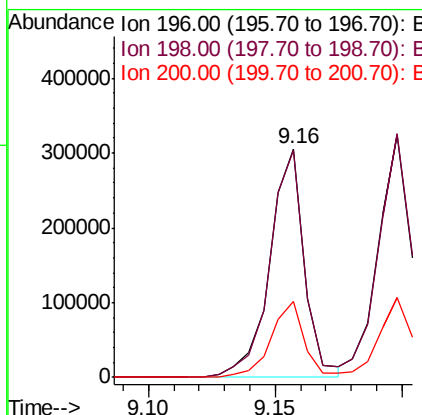
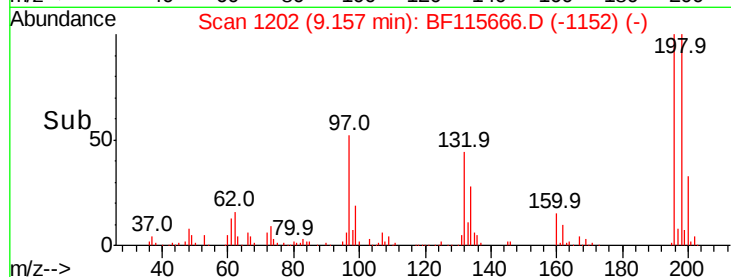
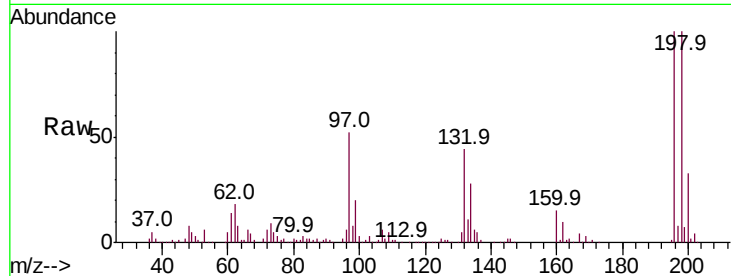
#43
 2,4,6-Trichlorophenol
 Concen: 39.542 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF115666.D
 Acq: 19 Jul 2019 9:43

Instrument :
 BNA_F
 ClientSampleID :
 PB121516BSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	292838		
198	99.6	80.6	121.0	
200	33.2	25.8	38.6	

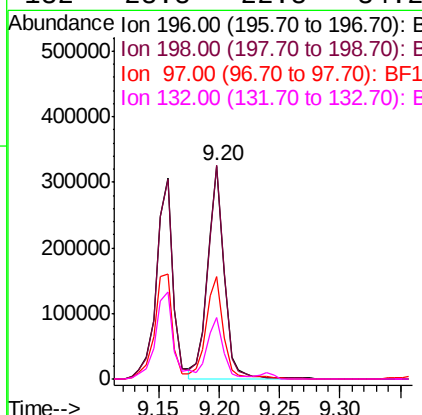
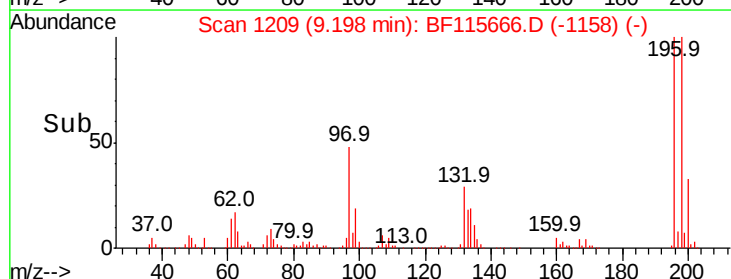
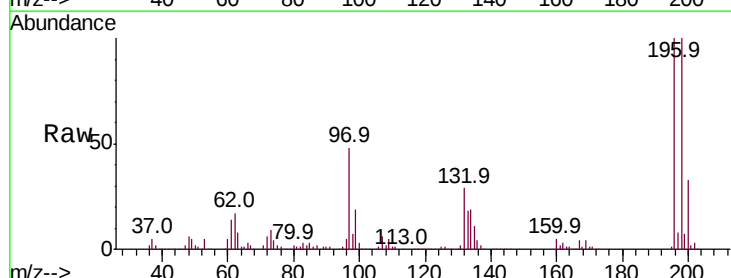
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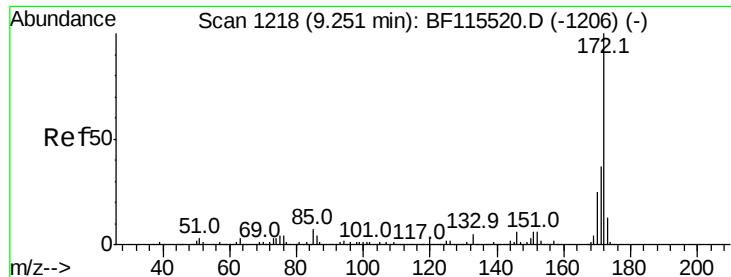
mohammad
 7/22/2019 10:01:10 AM



#44
 2,4,5-Trichlorophenol
 Concen: 40.416 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: BF115666.D
 Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	306524		
198	100.4	79.6	119.4	
97	48.3	37.8	56.6	
132	28.8	22.8	34.2	





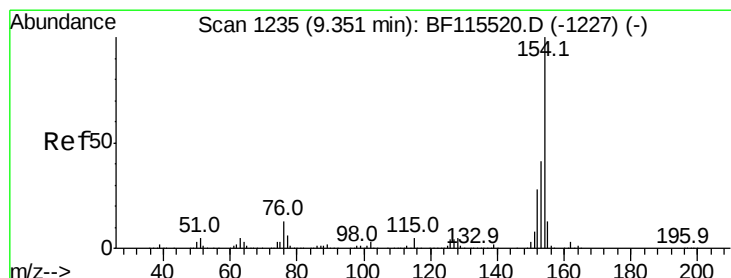
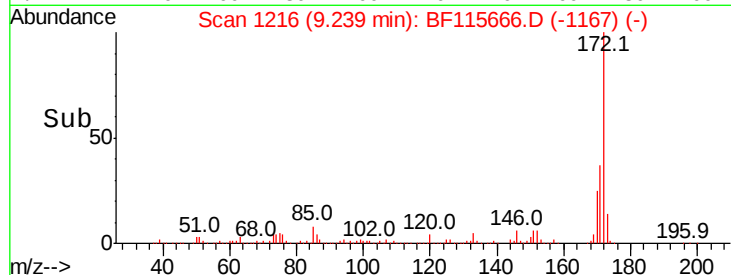
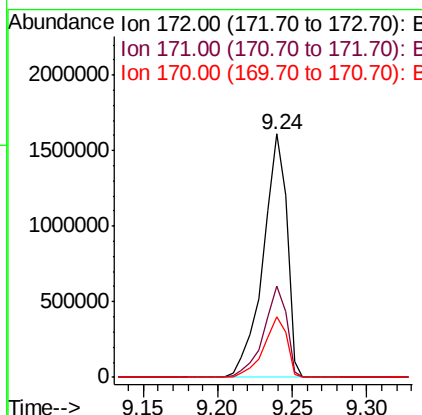
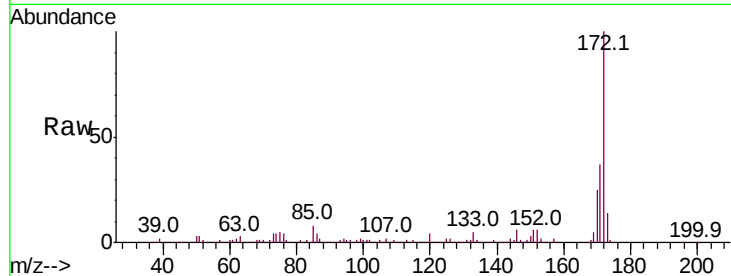
#45
2-Fluorobiphenyl
Concen: 91.547 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion:172 Resp: 1758947
Ion Ratio Lower Upper
172 100
171 37.3 30.6 46.0
170 24.8 20.5 30.7

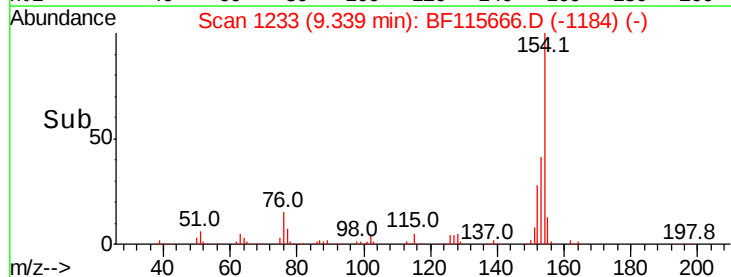
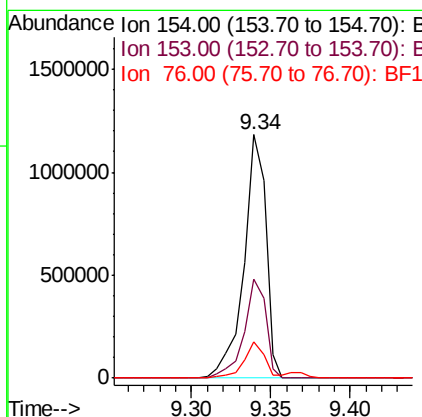
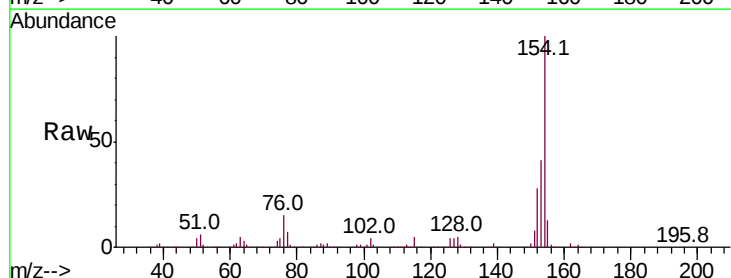
Manual Integrations
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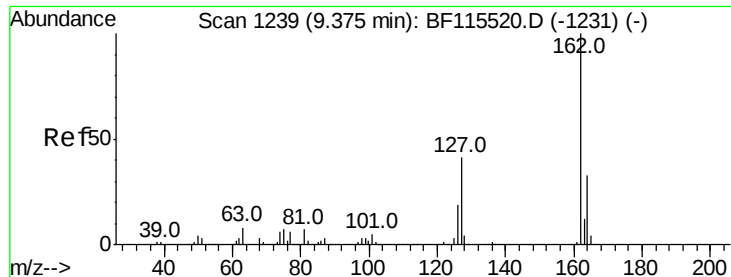
mohammad
7/22/2019 10:01:10 AM



#46
1,1'-Biphenyl
Concen: 43.075 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion:154 Resp: 1132477
Ion Ratio Lower Upper
154 100
153 40.8 22.6 62.6
76 14.6 0.0 33.4





#47

2-Chloronaphthalene

Concen: 40.615 ng

RT: 9.37 min Scan# 1238

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Instrument :

BNA_F

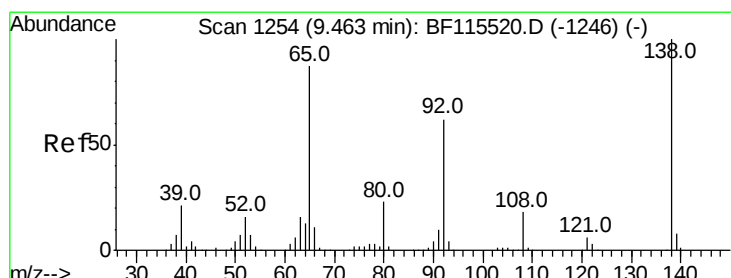
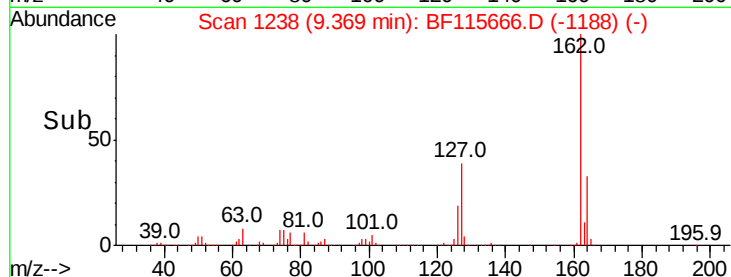
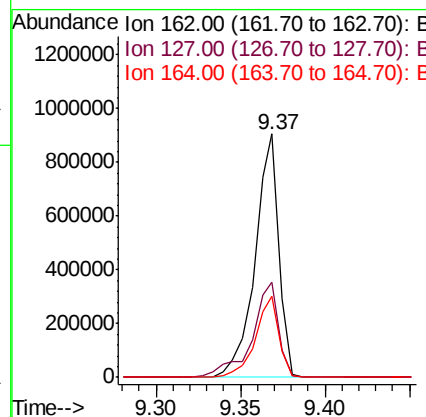
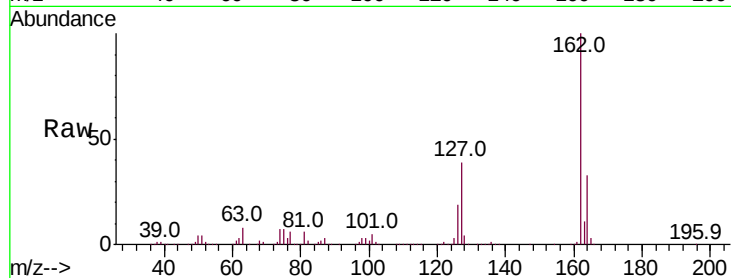
ClientSampleId :

PB121516BSD

Tot Ion:	162	Resp:	889114
Ion Ratio	Lower	Upper	
162	100		
127	39.2	34.1	51.1
164	33.3	27.4	41.2

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7/22/2019 10:01:10 AM



#48

2-Nitroaniline

Concen: 39.458 ng

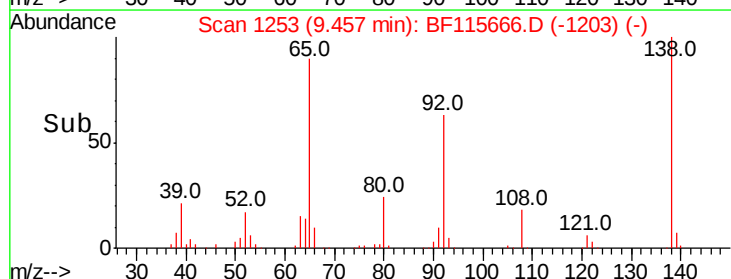
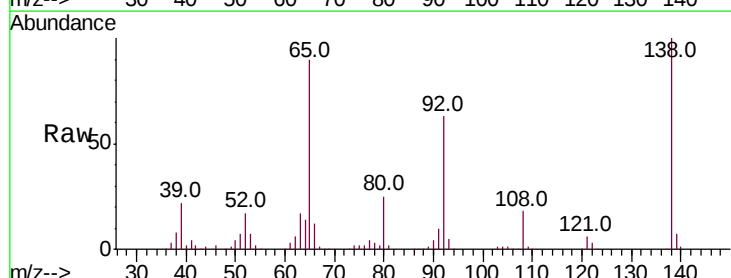
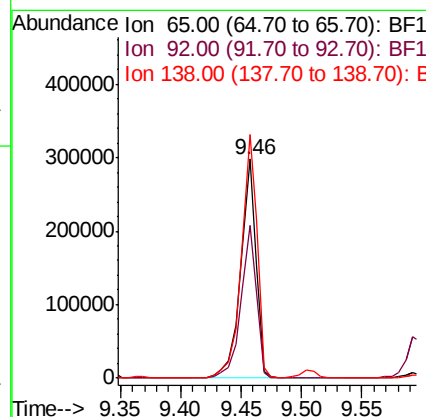
RT: 9.46 min Scan# 1253

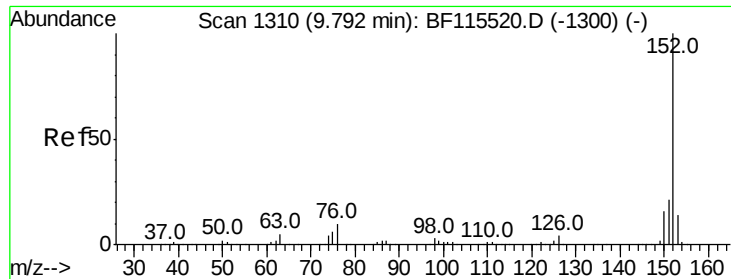
Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Tgt Ion:	65	Resp:	267353
Ion Ratio	Lower	Upper	
65	100		
92	69.7	57.8	86.6
138	111.1	91.2	136.8





#49

Acenaphthylene

Concen: 41.675 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

PB121516BSD

Tot Ion:152 Resp: 1351818

Ion Ratio Lower Upper

152 100

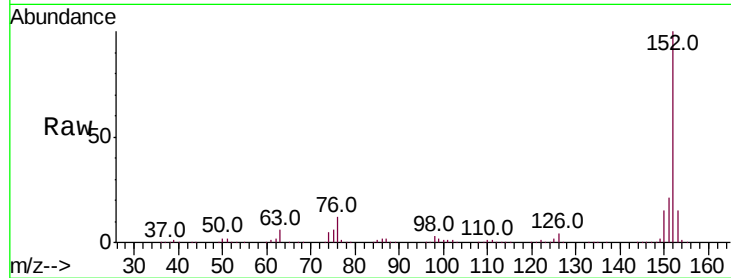
151 21.2 17.7 26.5

153 14.6 12.0 18.0

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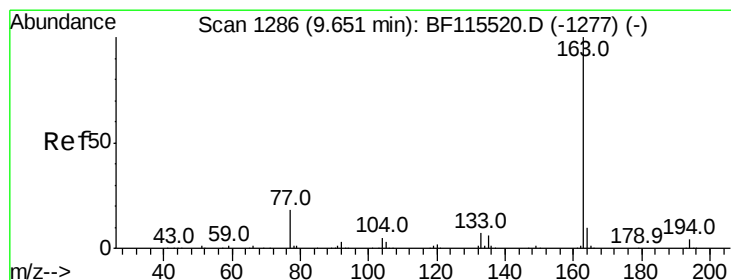
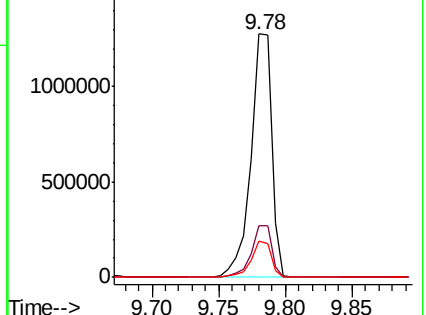
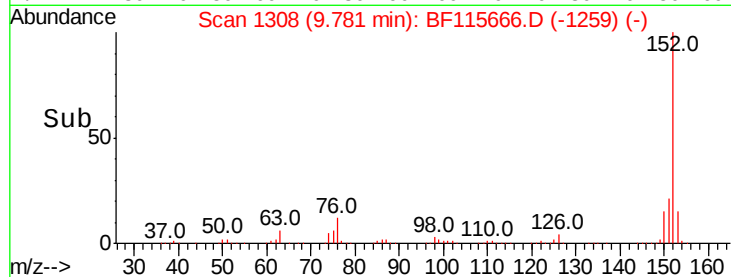
7/22/2019 10:01:10 AM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 40.141 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

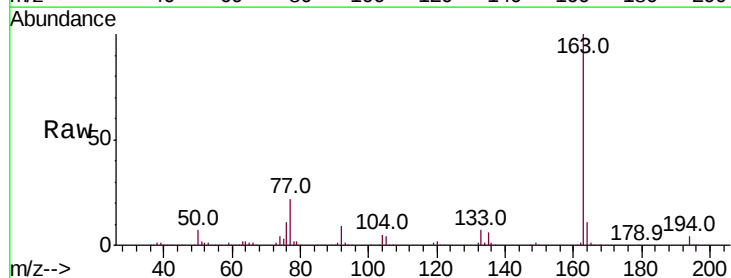
Tgt Ion:163 Resp: 1015628

Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

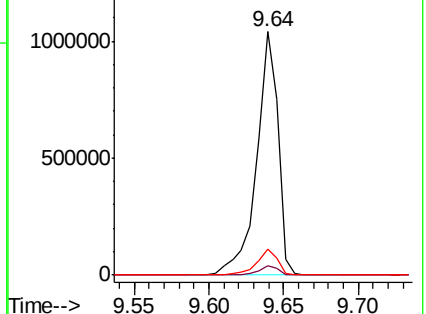
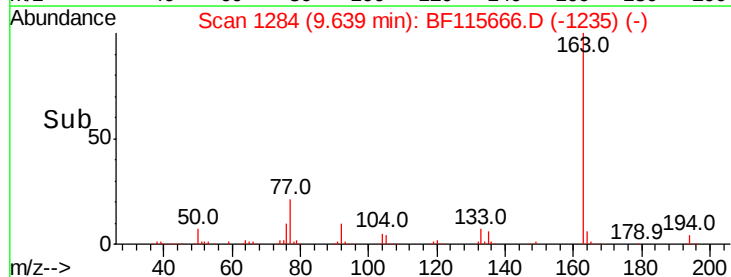
164 10.6 8.7 13.1

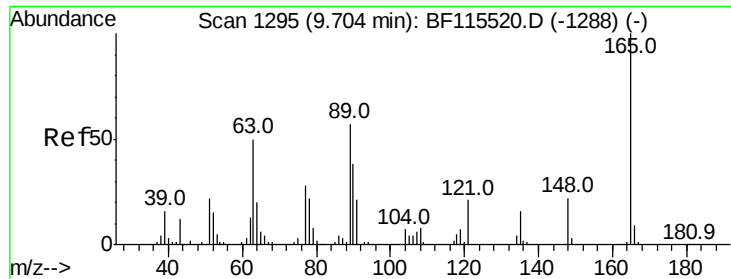


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





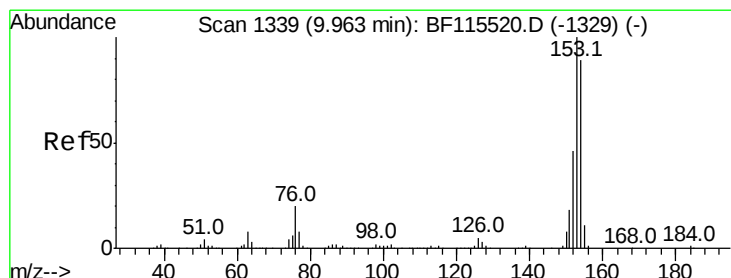
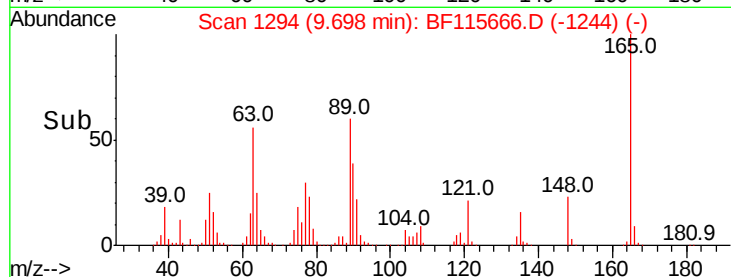
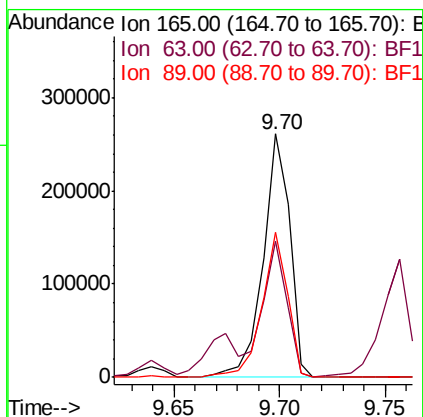
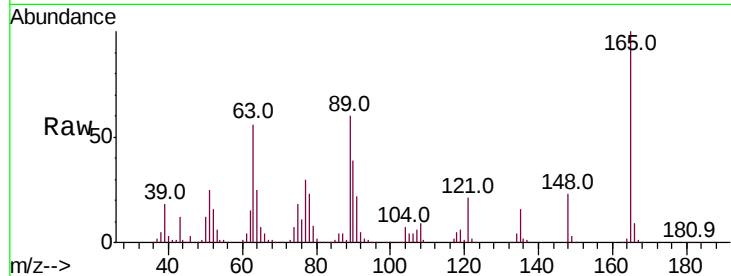
#51
2,6-Dinitrotoluene
Concen: 40.047 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	230271		
63	55.7	40.6	61.0	
89	59.8	43.9	65.9	

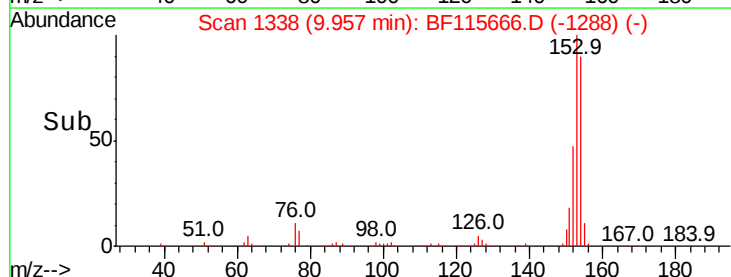
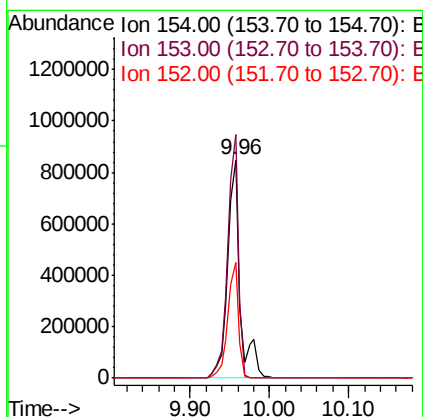
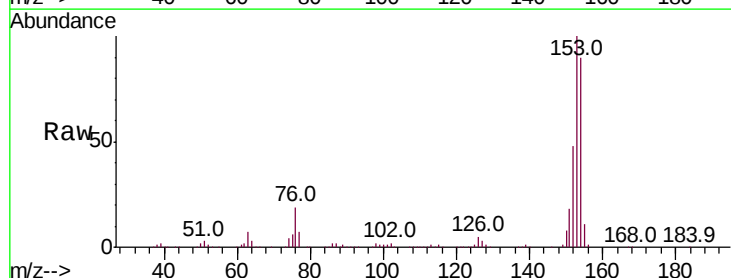
Manual Integrations
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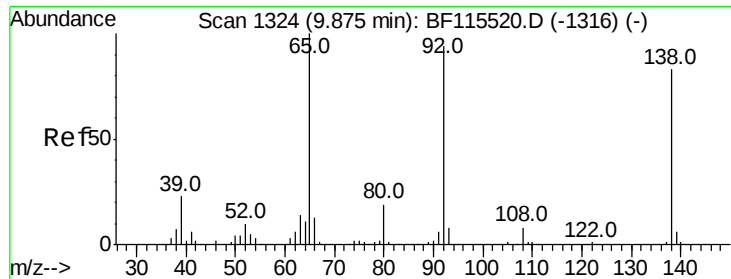
mohammad
7/22/2019 10:01:10 AM



#52
Acenaphthene
Concen: 44.854 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	939349		
153	111.6	88.6	133.0	
152	53.3	42.3	63.5	





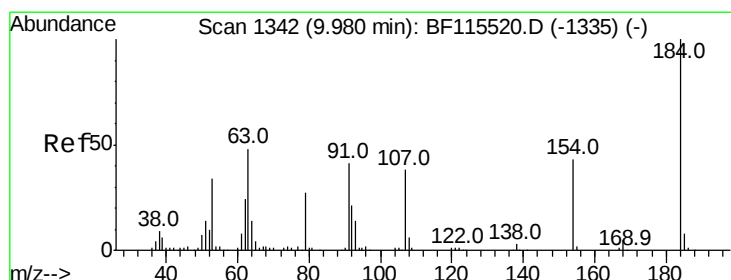
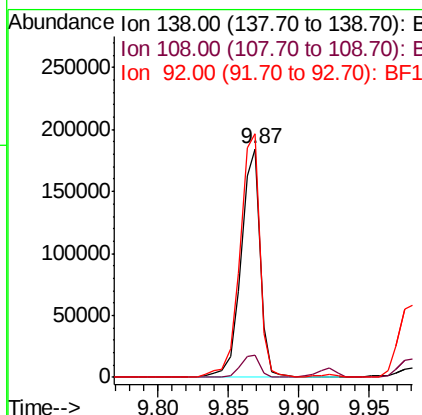
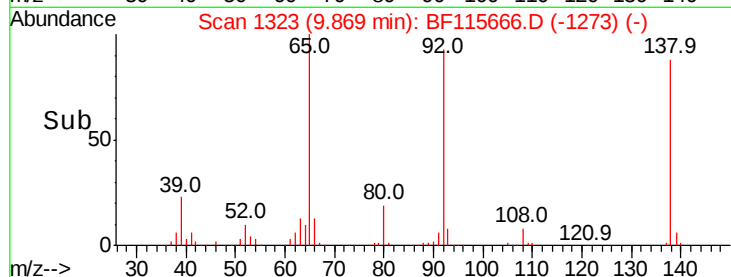
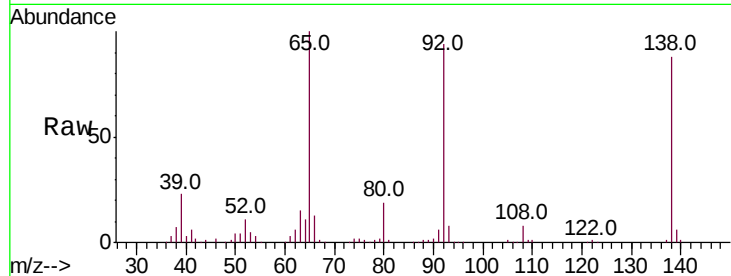
#53
3-Nitroaniline
Concen: 26.496 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.6	8.4	12.6
92	106.7	88.0	132.0

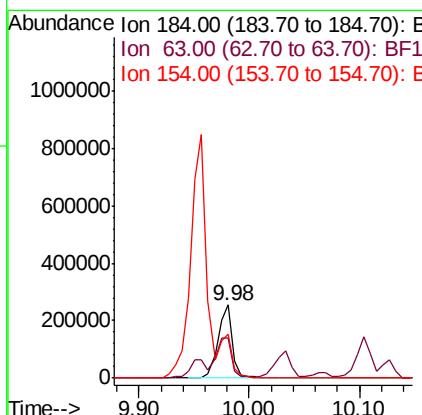
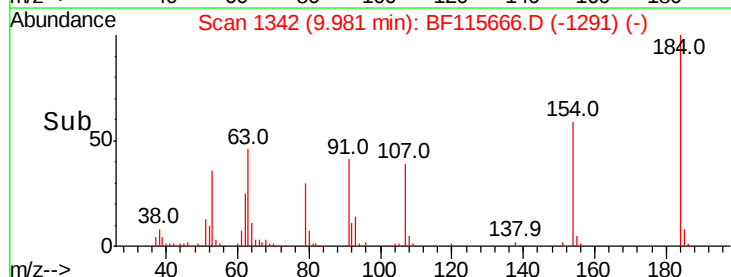
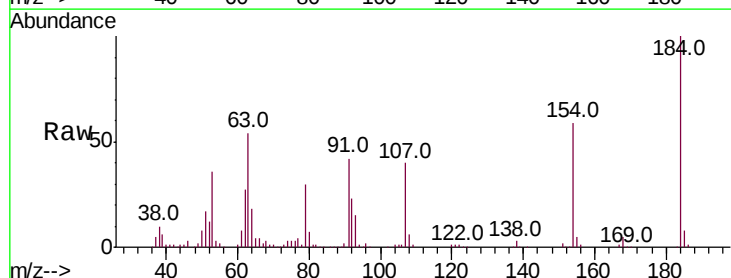
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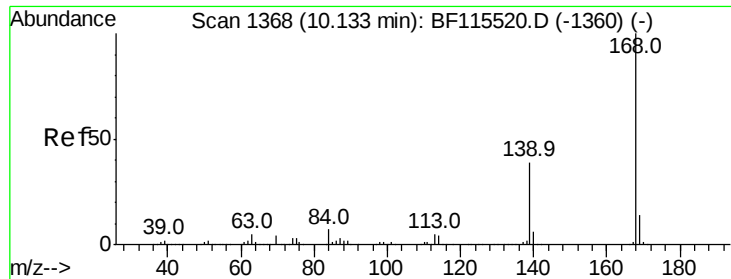
mohammad
7/22/2019 10:01:10 AM



#54
2,4-Dinitrophenol
Concen: 79.197 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
184	100		
63	54.3	48.7	73.1
154	59.4	48.6	73.0





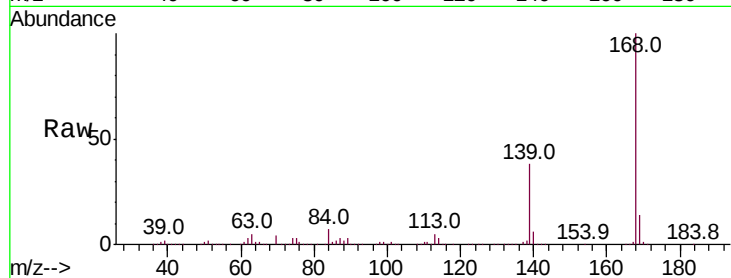
#55
Dibenzofuran
Concen: 40.550 ng
RT: 10.13 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.2	31.1	46.7
169	14.0	11.1	16.7

Manual Integrations
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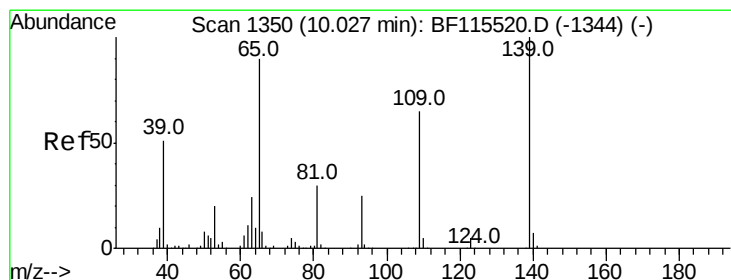
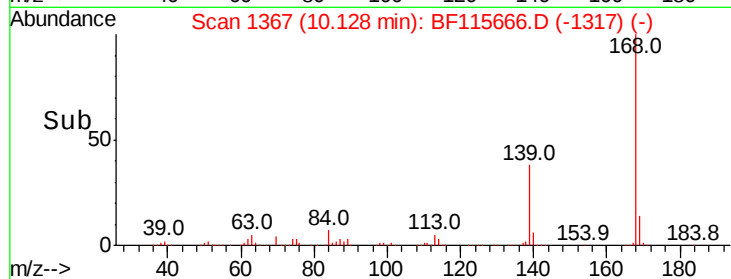
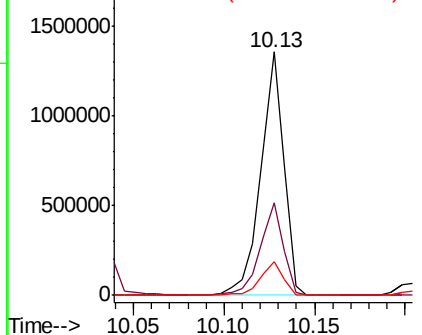


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 73.412 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

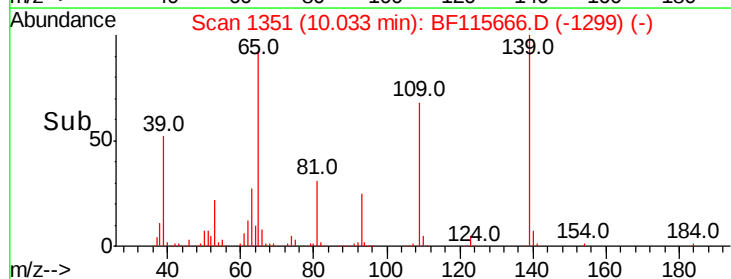
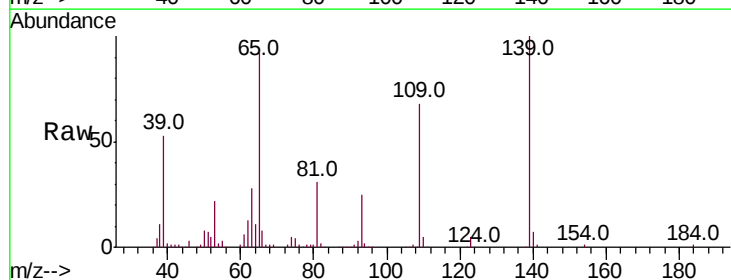
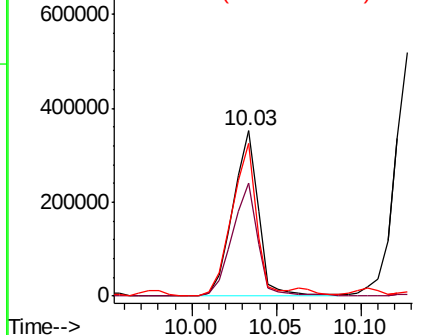
Tgt Ion	Ratio	Lower	Upper
139	100		
109	68.3	46.4	86.4
65	92.1	68.9	108.9

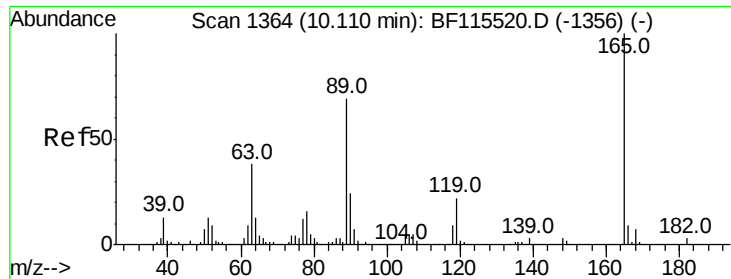
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





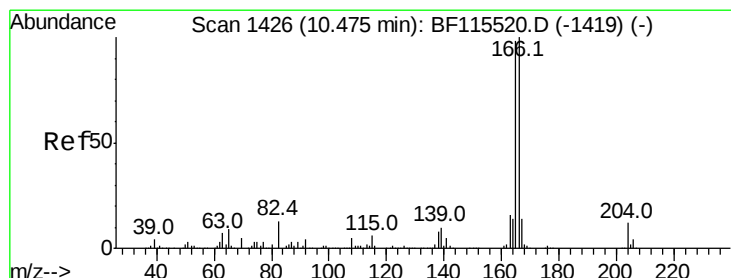
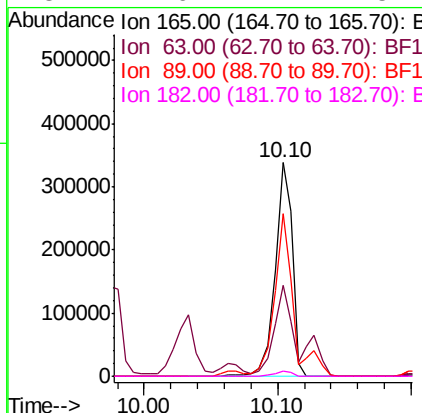
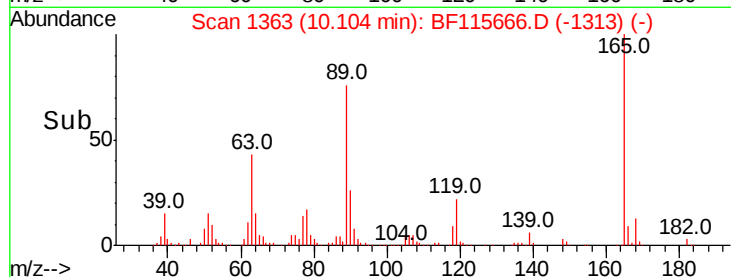
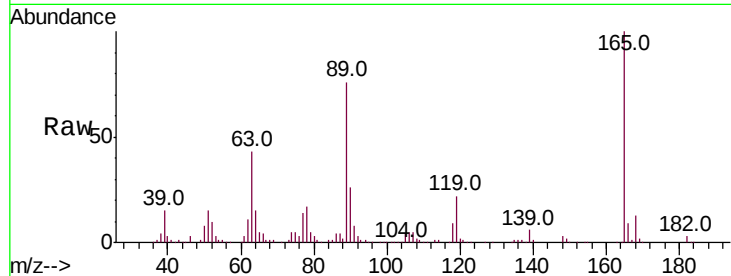
#57
2,4-Dinitrotoluene
Concen: 41.019 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	305564		
63	42.7	34.9	52.3	
89	76.2	57.5	86.3	
182	2.6	2.2	3.4	

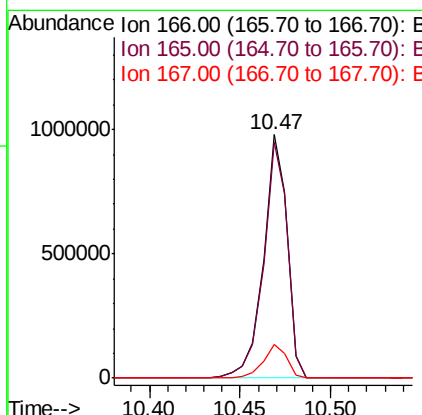
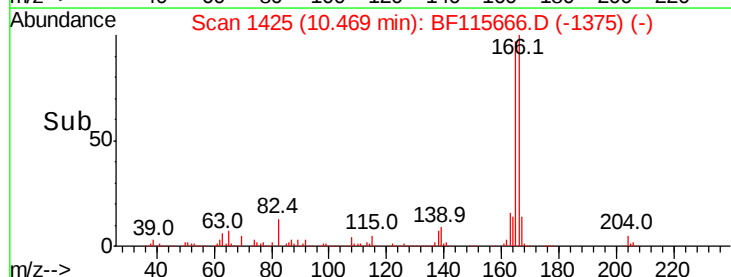
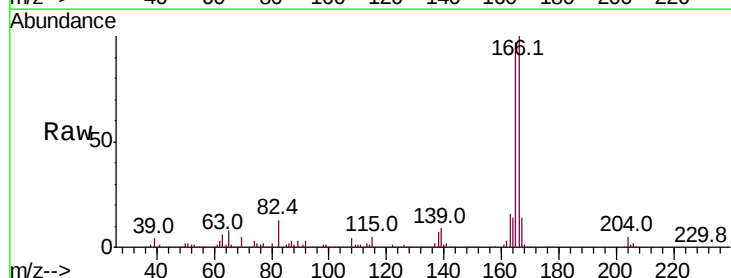
Manual Integrations
APPROVED

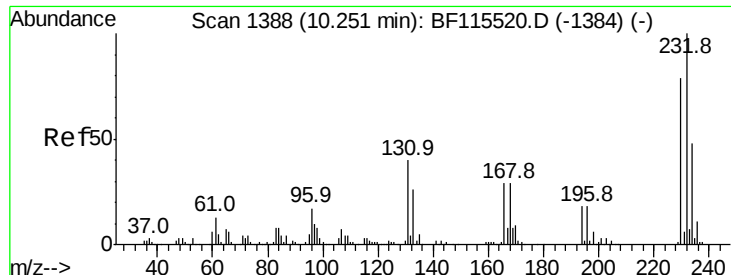
mohammad
7/22/2019 10:01:10 AM



#58
Fluorene
Concen: 41.786 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	888405		
165	96.9	79.8	119.6	
167	13.8	11.2	16.8	





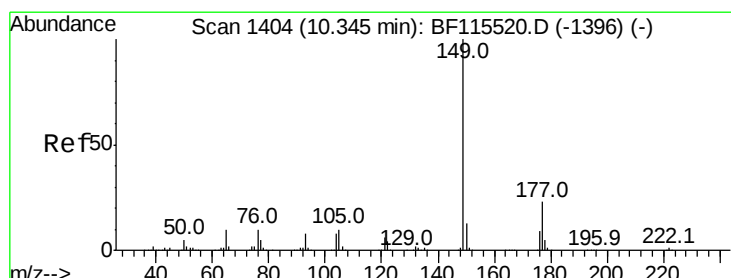
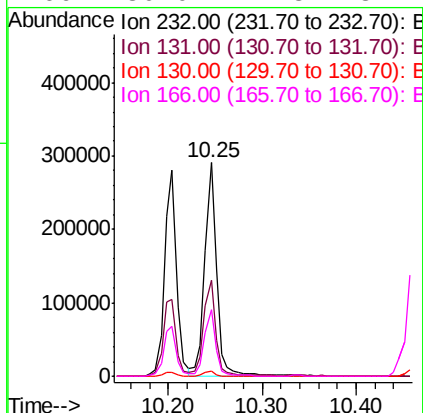
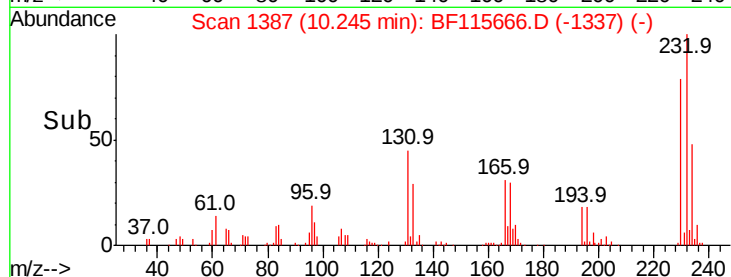
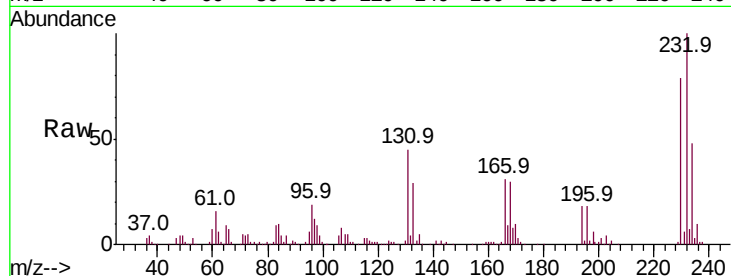
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 40.816 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BF115666.D
 Acq: 19 Jul 2019 9:43

Instrument :
 BNA_F
 ClientSampleId :
 PB121516BSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	258773		
131	45.1		35.9	53.9
130	2.2		1.8	2.6
166	30.0		24.8	37.2

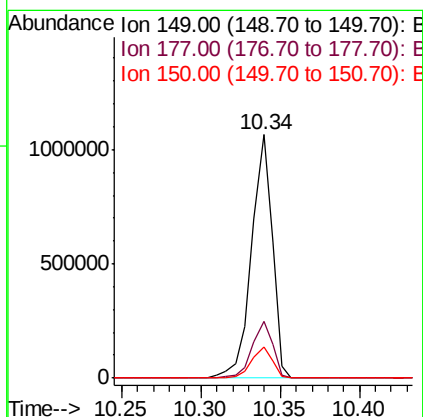
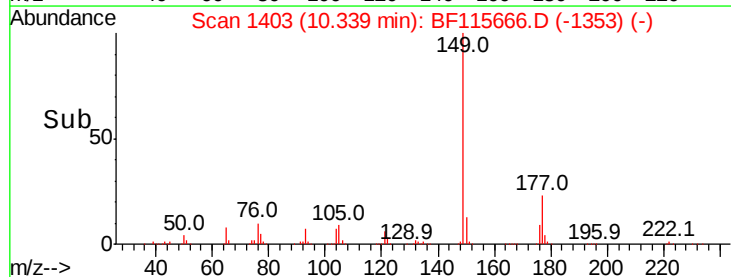
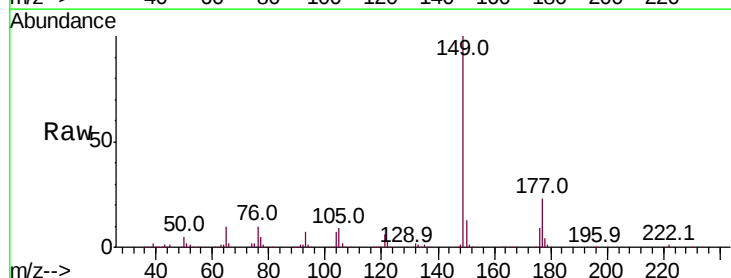
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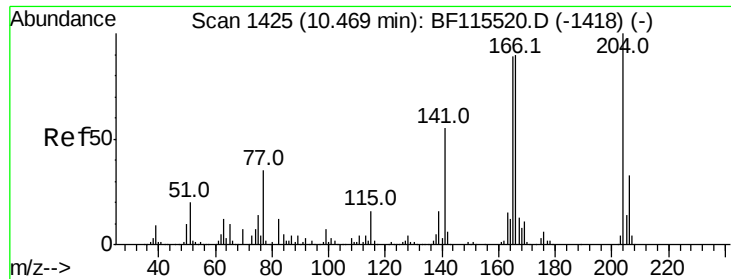
mohammad
 7/22/2019 10:01:10 AM



#60
 Diethylphthalate
 Concen: 40.982 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.01 min
 Lab File: BF115666.D
 Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	971544		
177	23.4		19.5	29.3
150	12.9		10.4	15.6





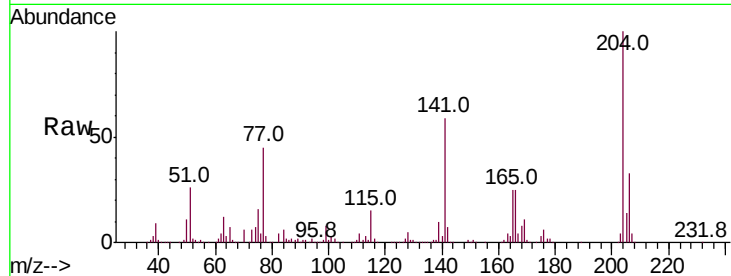
#61
 4-Chlorophenyl-phenylether
 Concen: 39.434 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF115666.D
 Acq: 19 Jul 2019 9:43

Instrument :
 BNA_F
 ClientSampleId :
 PB121516BSD

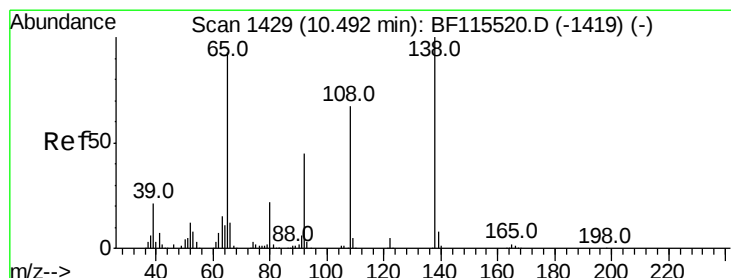
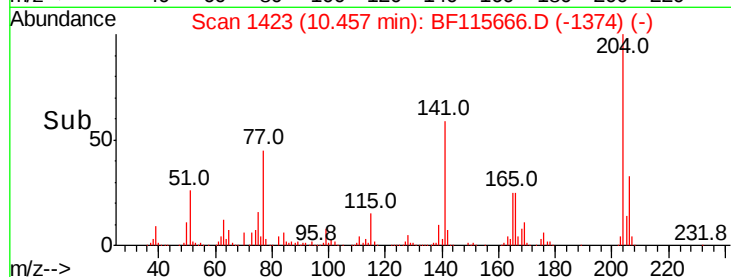
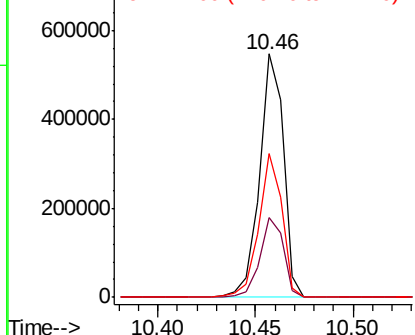
Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.7	40.1
141	58.8	44.2	66.2

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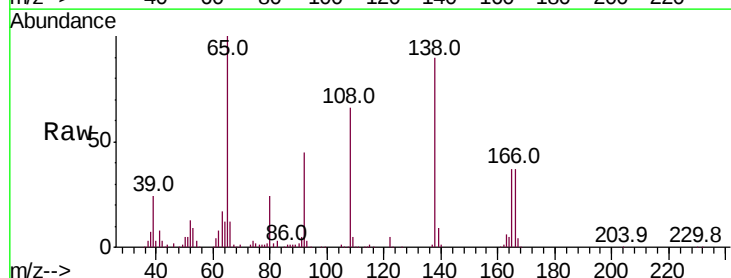


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

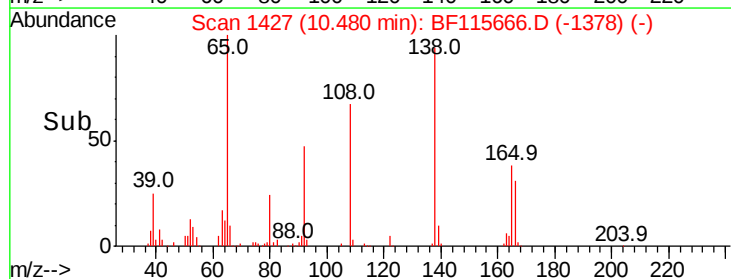
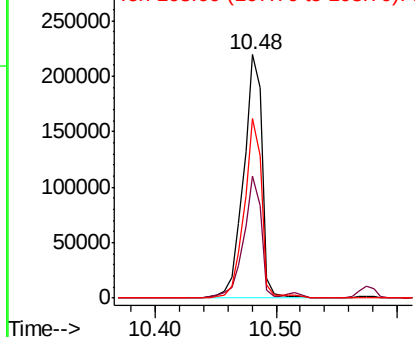


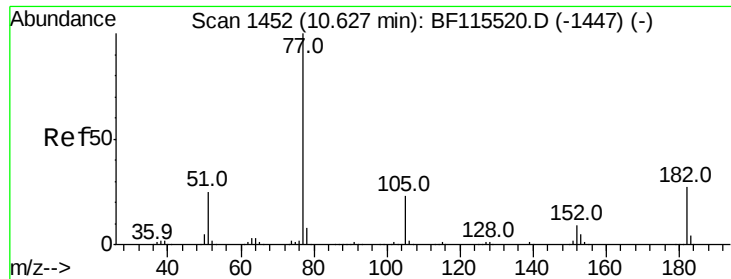
#62
 4-Nitroaniline
 Concen: 37.497 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF115666.D
 Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.0	27.1	67.1
108	73.7	48.0	88.0



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E





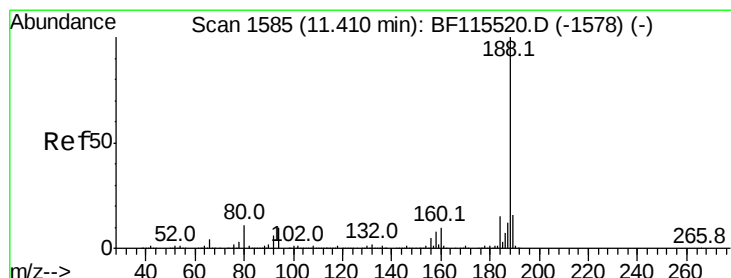
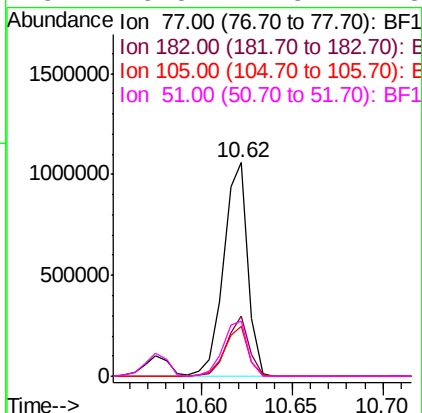
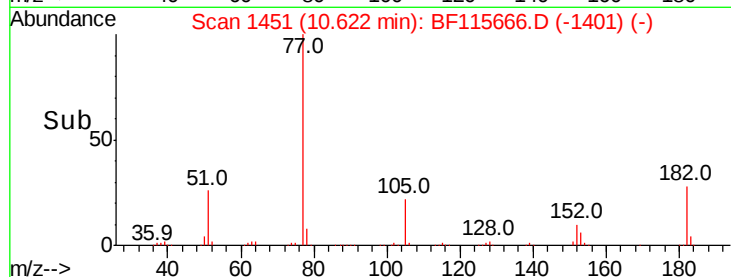
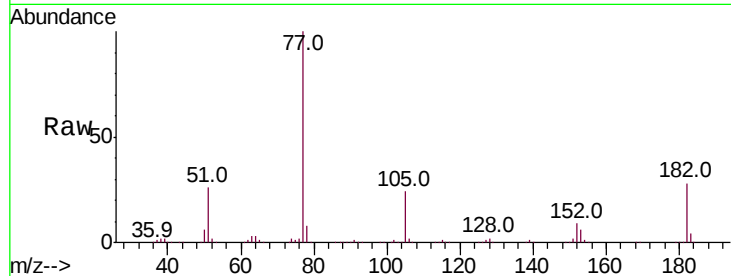
#63
Azobenzene
Concen: 42.605 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	28.0	6.9	46.9		
105	23.5	3.9	43.9		
51	25.8	7.3	47.3		

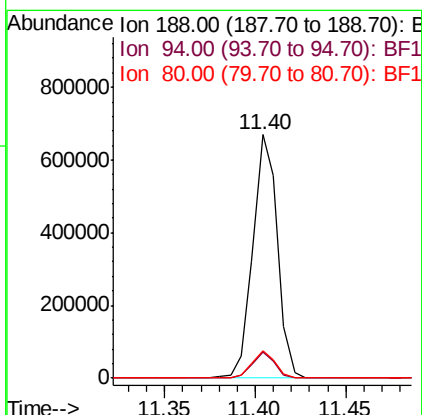
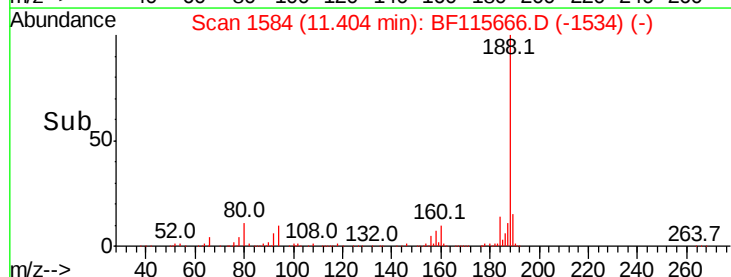
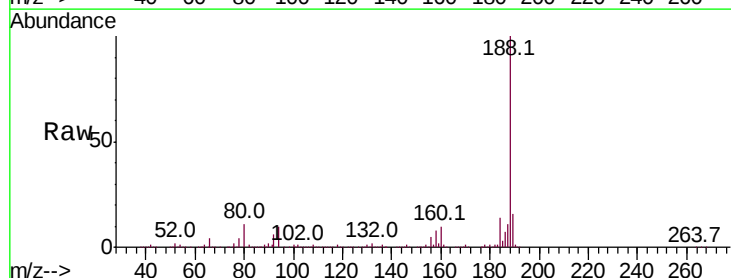
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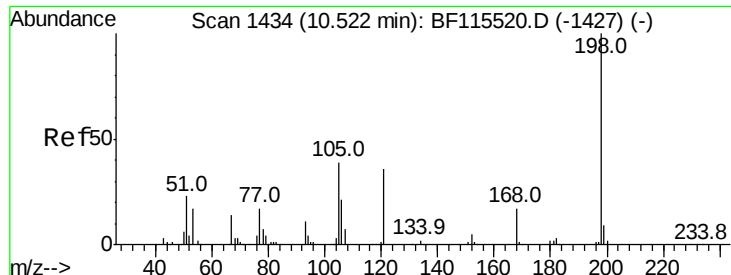
mohammad
7/22/2019 10:01:10 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	10.4	7.8	11.6		
80	11.2	8.6	13.0		





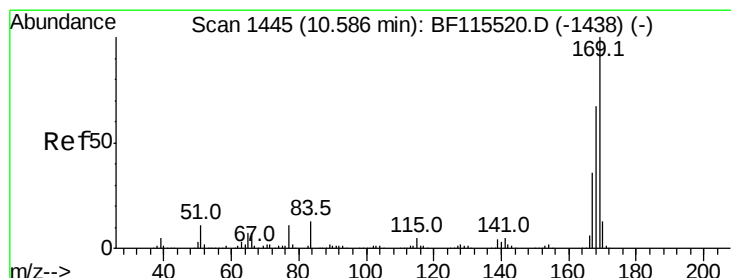
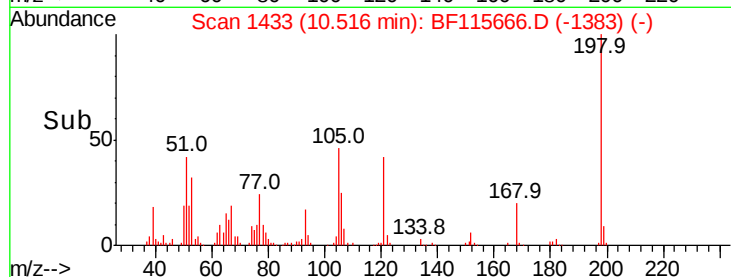
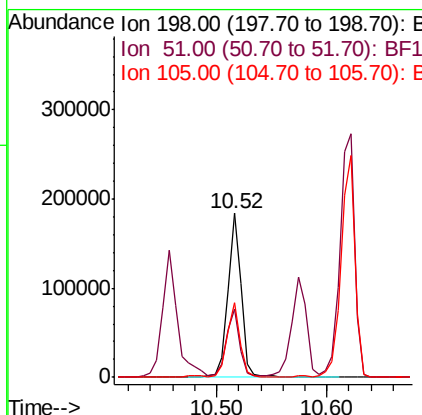
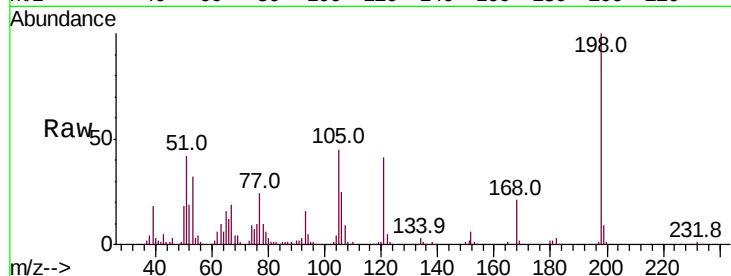
#65
4,6-Dinitro-2-methylphenol
Concen: 40.641 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	156349		
51	41.7	19.1	59.1	
105	45.3	23.6	63.6	

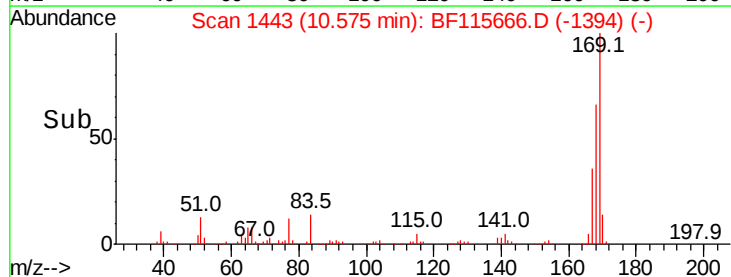
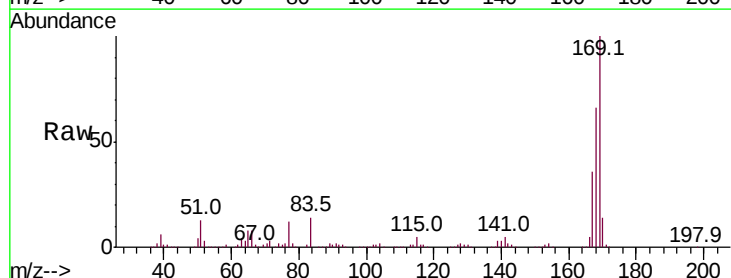
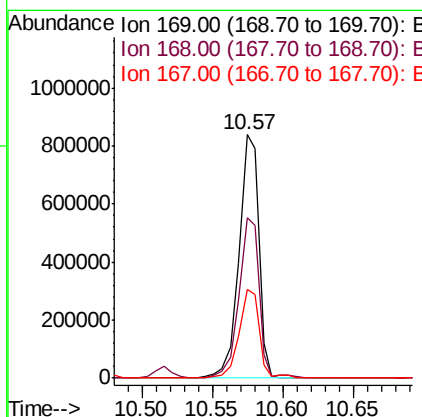
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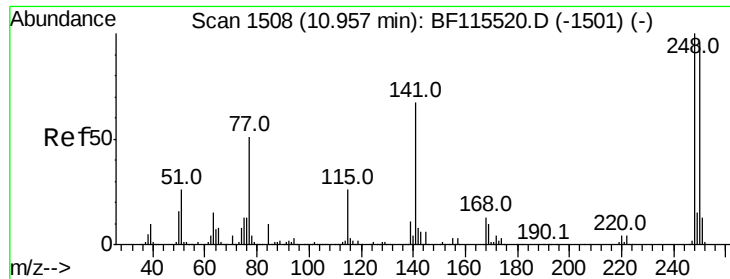
mohammad
7/22/2019 10:01:10 AM



#66
n-Nitrosodiphenylamine
Concen: 41.712 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	817000		
168	65.9	54.3	81.5	
167	36.3	30.2	45.2	





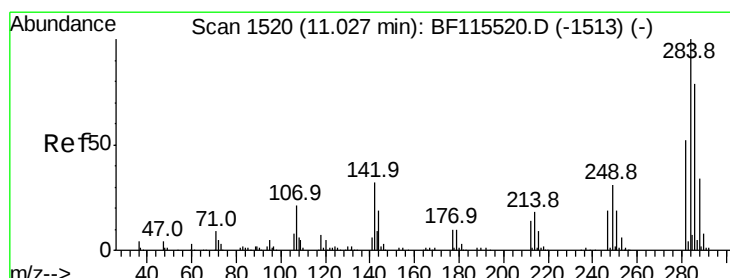
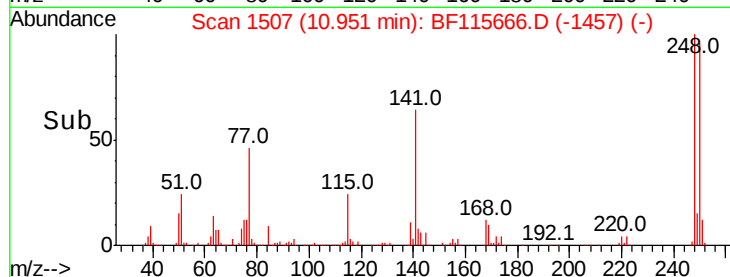
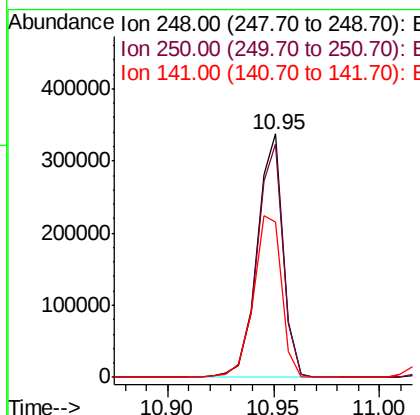
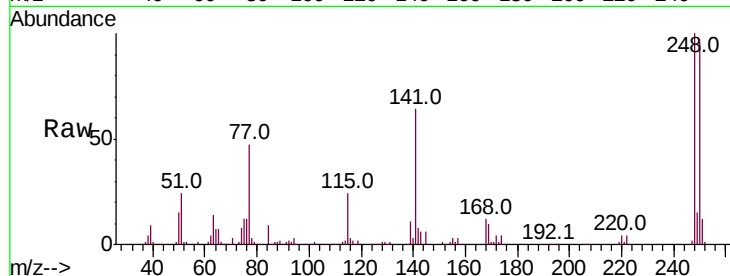
#67
4-Bromophenyl-phenylether
Concen: 40.040 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Resp	Lower	Upper
248	100	288113		
250	95.7	78.0	117.0	
141	63.7	57.7	86.5	

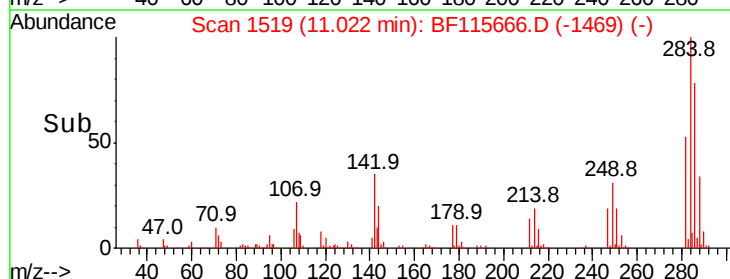
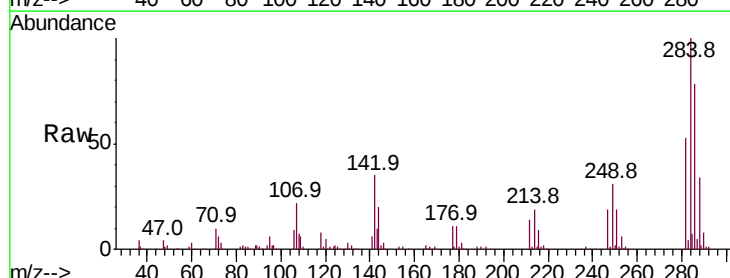
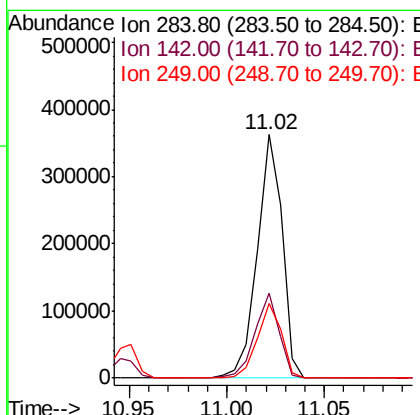
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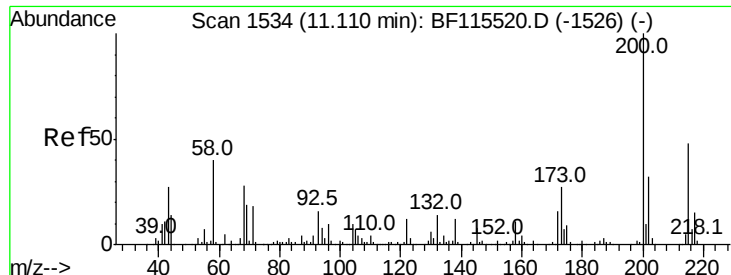
mohammad
7/22/2019 10:01:10 AM



#68
Hexachlorobenzene
Concen: 39.126 ng
RT: 11.02 min Scan# 1519
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	321512		
142	34.8	22.2	33.2#	
249	30.6	23.4	35.2	





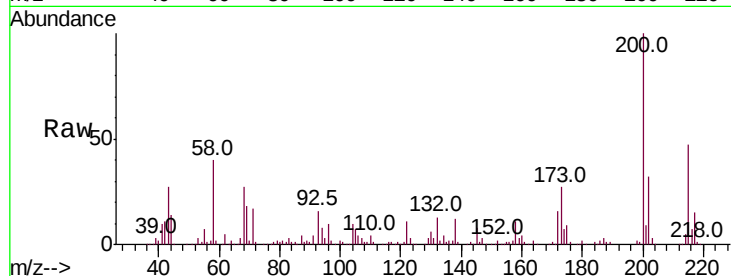
#69
Atrazine
Concen: 41.155 ng
RT: 11.10 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	26.7	6.9	46.9
215	46.7	27.9	67.9

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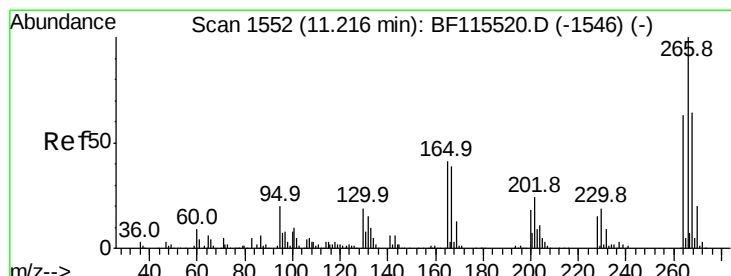
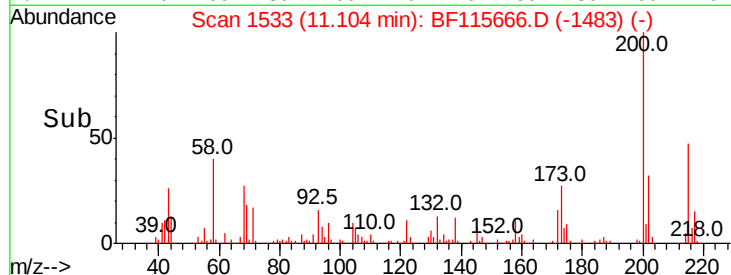
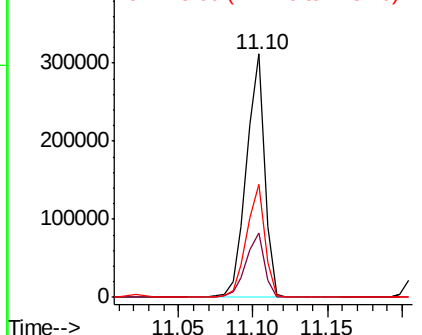


Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 72.408 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

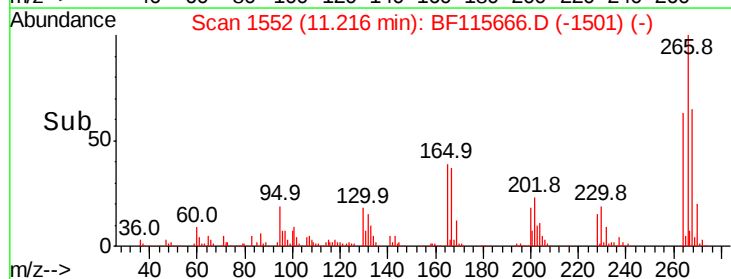
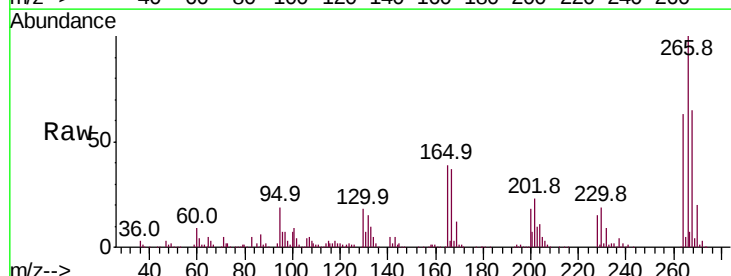
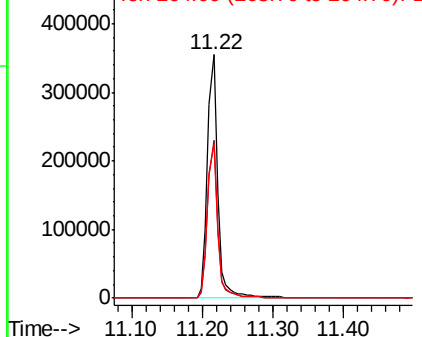
Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	65.0	51.6	77.4
264	63.0	50.6	76.0

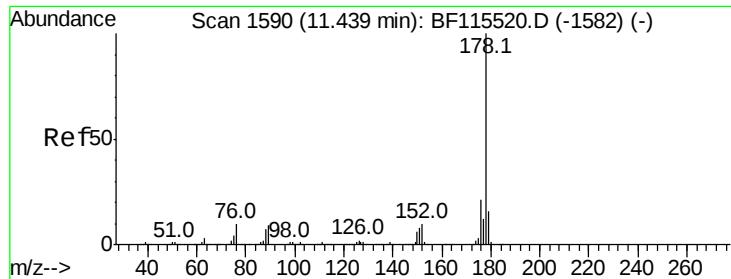
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





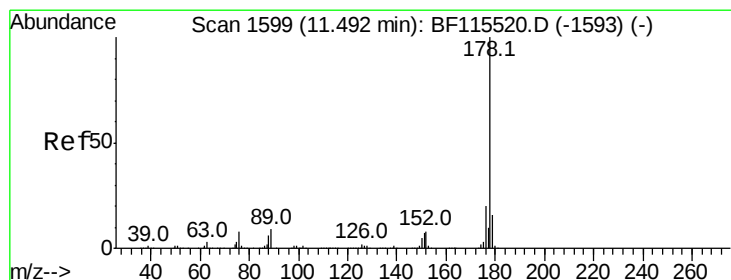
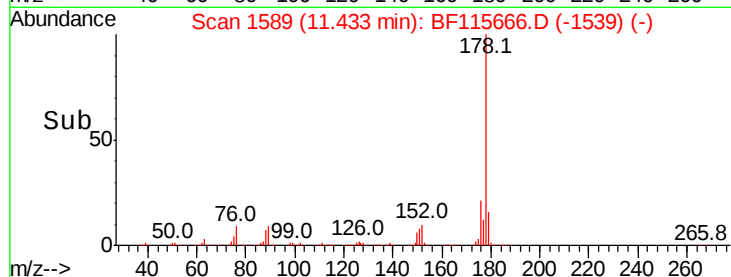
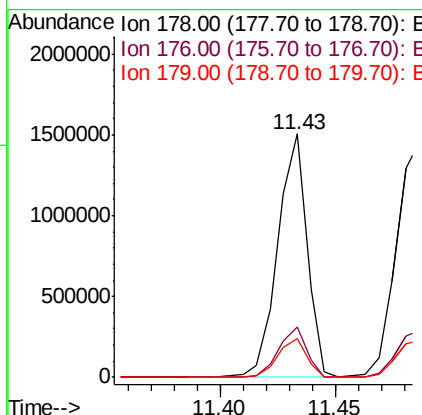
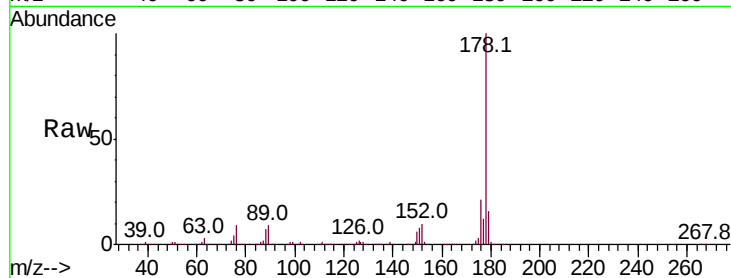
#71
Phenanthrene
Concen: 40.912 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion:178 Resp: 1320478
Ion Ratio Lower Upper
178 100
176 20.5 17.2 25.8
179 15.8 13.5 20.3

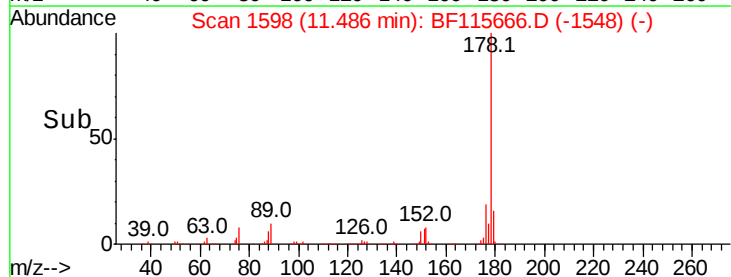
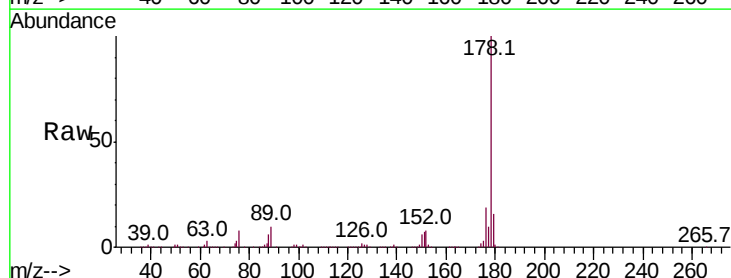
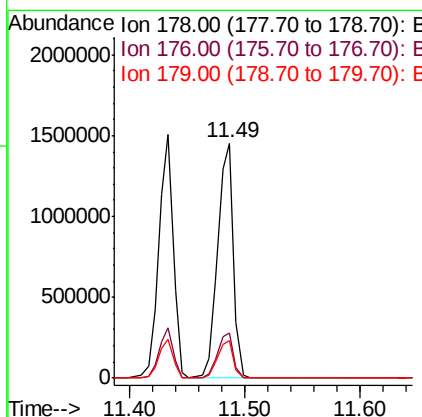
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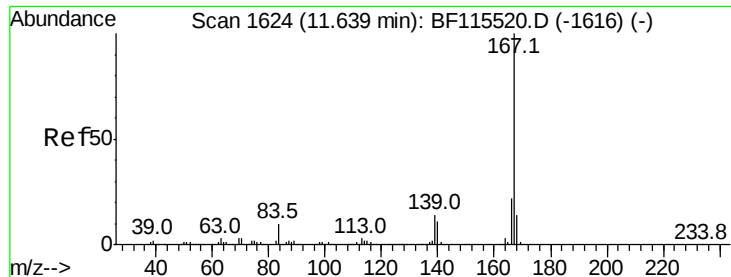
mohammad
7/22/2019 10:01:10 AM



#72
Anthracene
Concen: 40.987 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion:178 Resp: 1367178
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.7 12.7 19.1





#73

Carbazole

Concen: 40.636 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

PB121516BSD

Tot Ion:167 Resp: 1188644

Ion Ratio Lower Upper

167 100

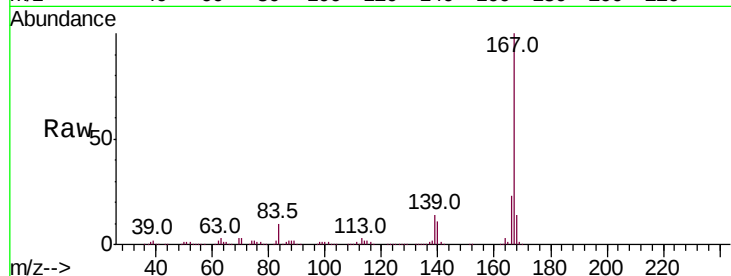
166 22.6 18.1 27.1

139 13.8 11.3 16.9

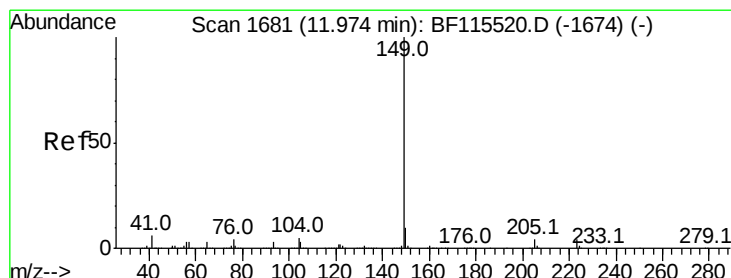
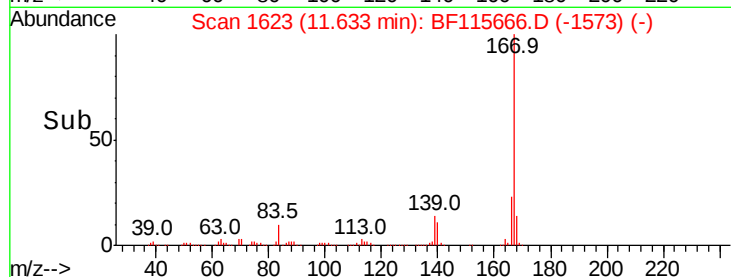
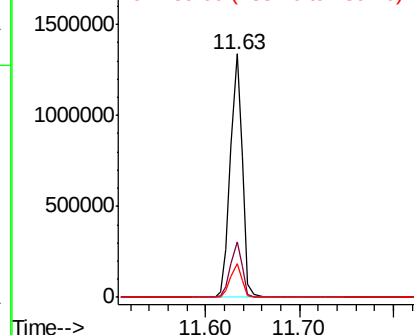
Manual Integrations
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 40.765 ng

RT: 11.96 min Scan# 1679

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

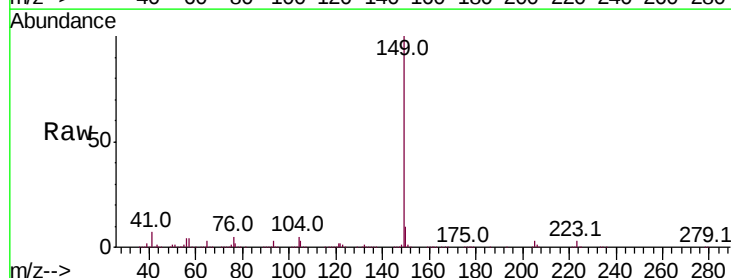
Tgt Ion:149 Resp: 1468785

Ion Ratio Lower Upper

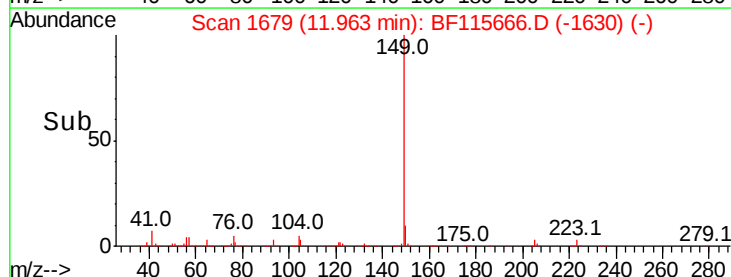
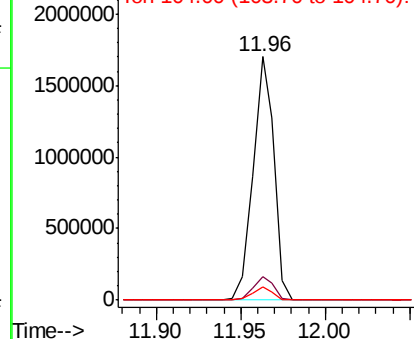
149 100

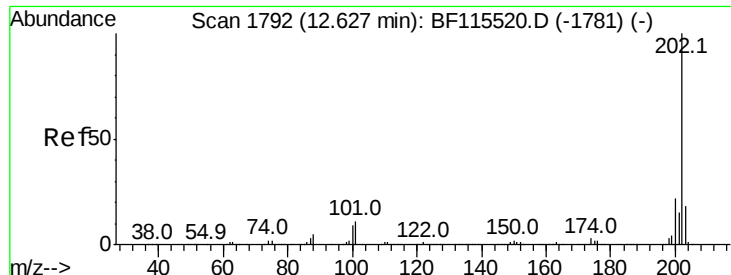
150 9.9 7.7 11.5

104 5.4 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





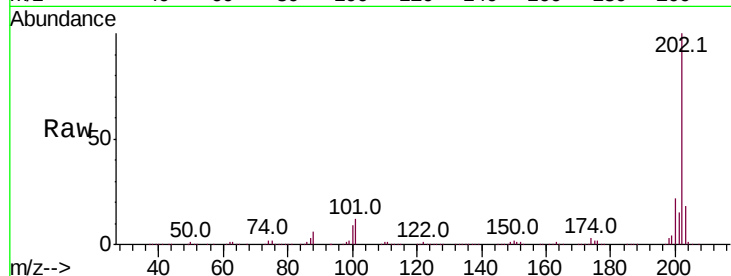
#75
Fluoranthene
Concen: 39.675 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

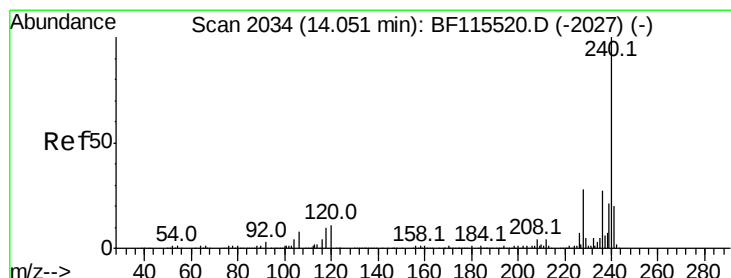
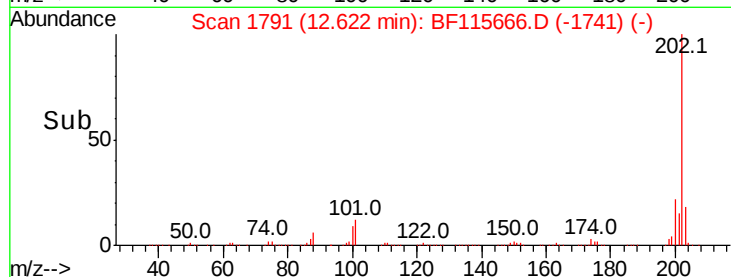
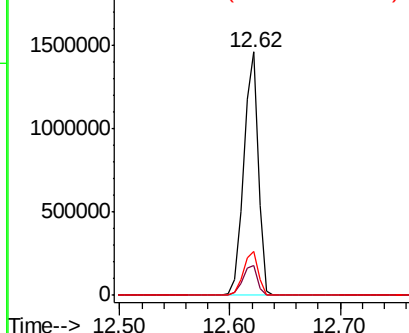
Tot Ion	Ratio	Resp	Lower	Upper
202	100	1353190		
101	12.2		0.0	31.4
203	18.2		0.0	38.1

Manual Integrations
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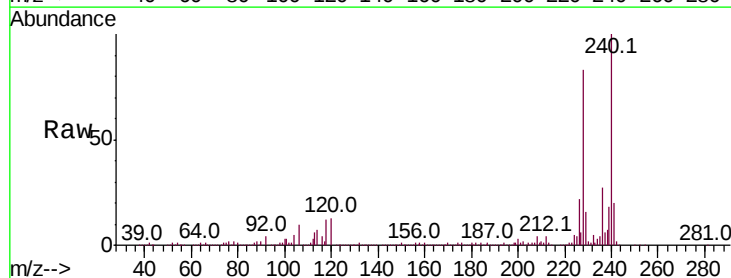


Abundance Ion 202.00 (201.70 to 202.70): E
2000000
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

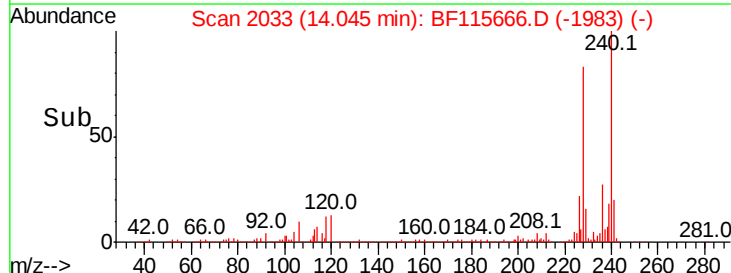
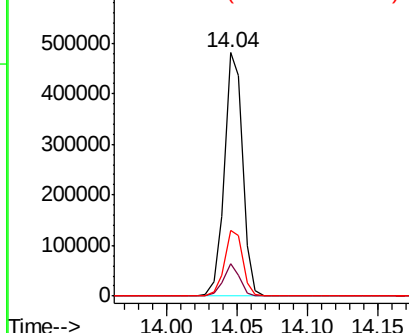


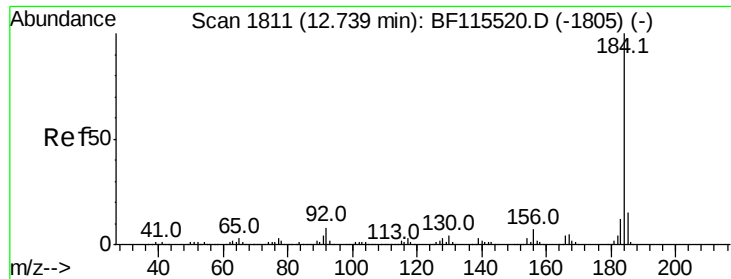
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	431445		
120	13.3		8.6	13.0#
236	26.8		21.3	31.9



Abundance Ion 240.00 (239.70 to 240.70): E
600000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 43.237 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

PB121516BSD

Tot Ion:184 Resp: 660838

Ion Ratio Lower Upper

184 100

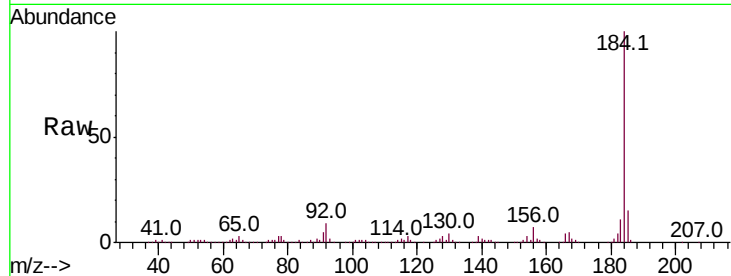
185 15.0 12.0 18.0

183 11.5 9.3 13.9

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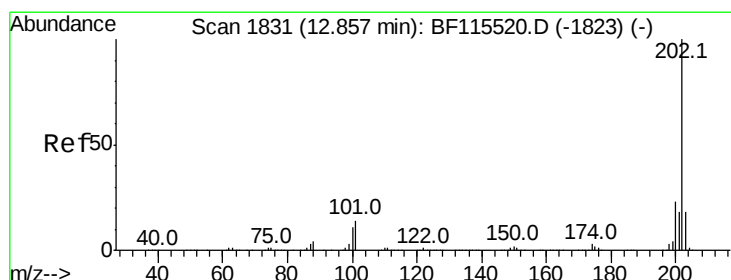
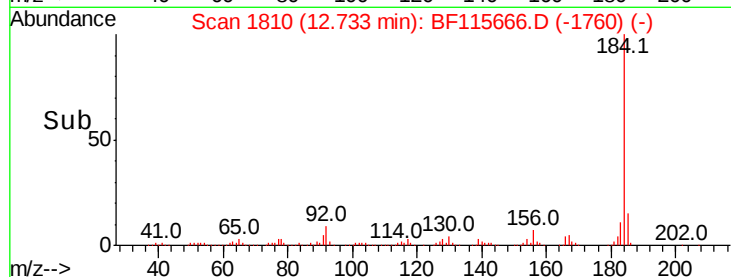
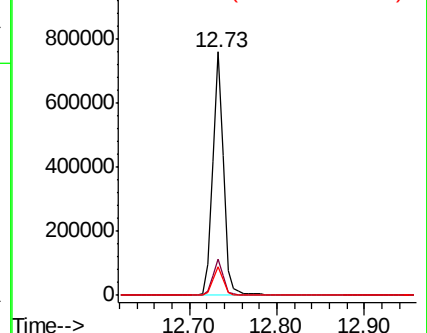
7/22/2019 10:01:10 AM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 37.678 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

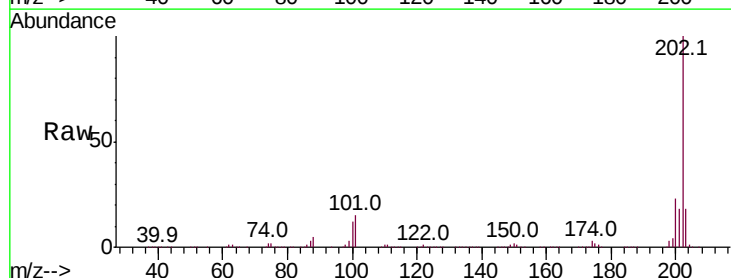
Tgt Ion:202 Resp: 1377284

Ion Ratio Lower Upper

202 100

200 22.7 18.7 28.1

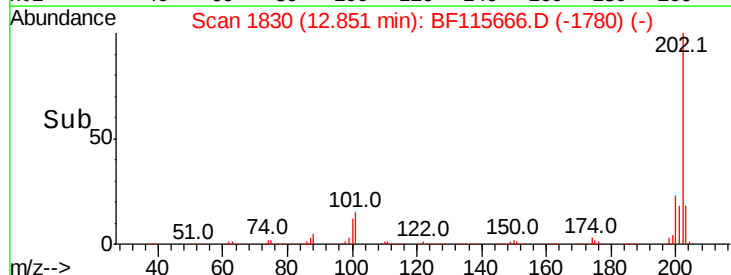
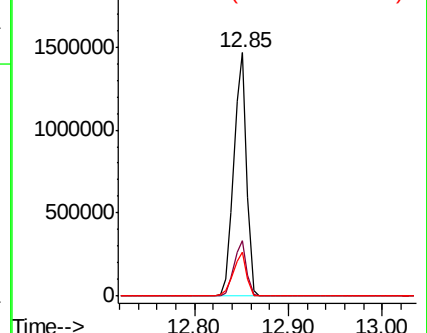
203 17.9 15.2 22.8

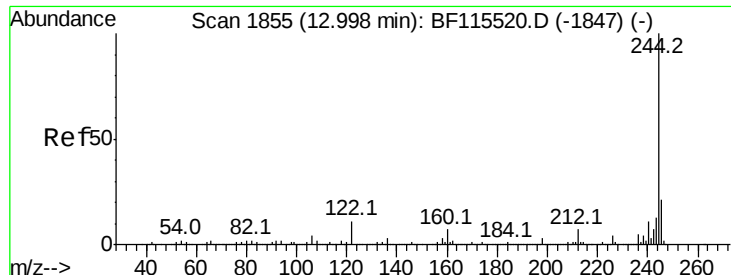


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 77.395 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

PB121516BSD

Tot Ion:244 Resp: 1809694

Ion Ratio Lower Upper

244 100

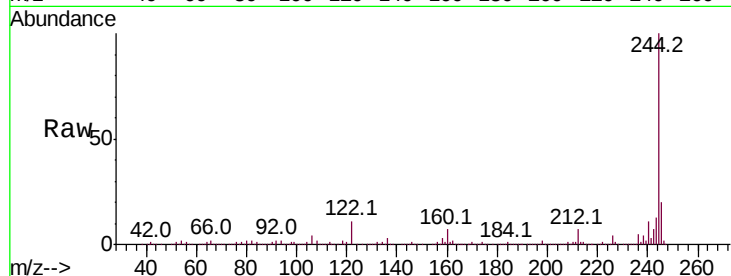
212 7.0 6.0 9.0

122 11.1 8.6 12.8

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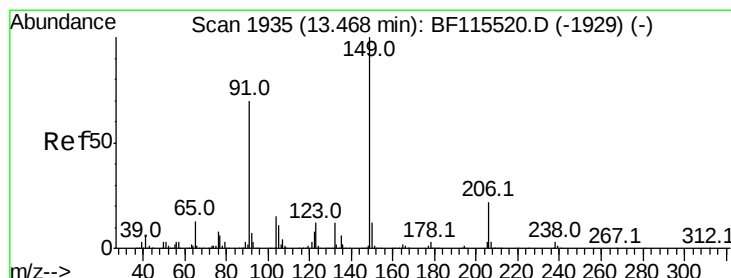
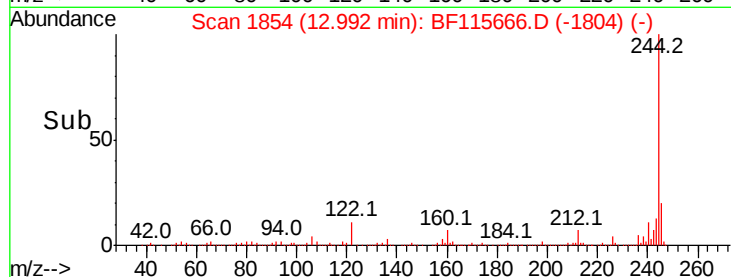
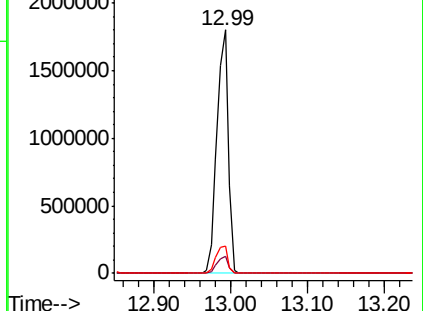
7/22/2019 10:01:10 AM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 40.121 ng

RT: 13.46 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

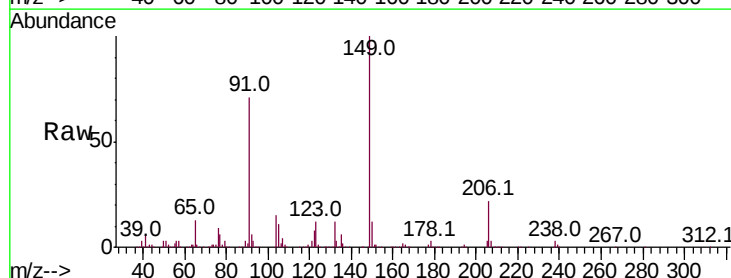
Tgt Ion:149 Resp: 625186

Ion Ratio Lower Upper

149 100

91 70.6 55.8 83.8

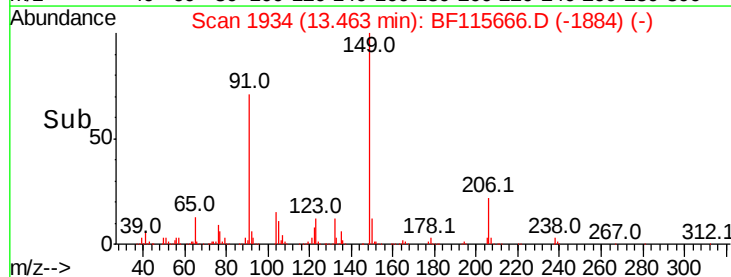
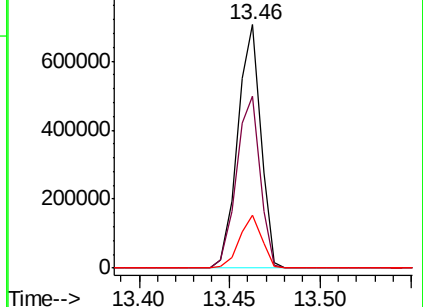
206 21.6 18.2 27.2

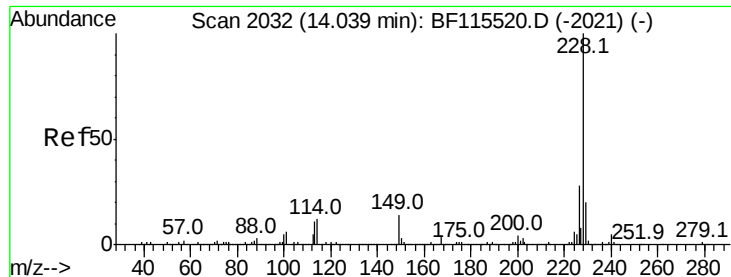


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





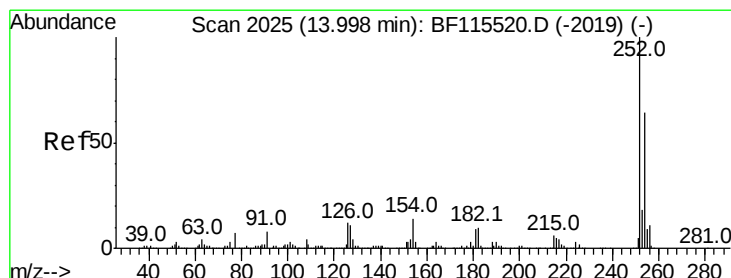
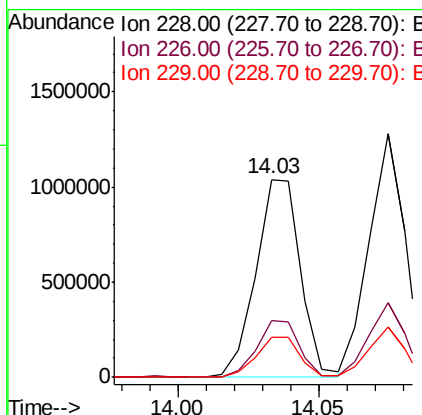
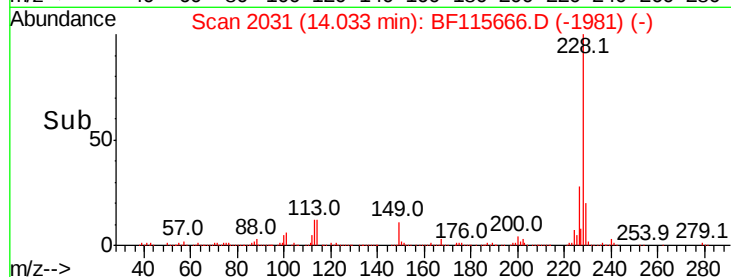
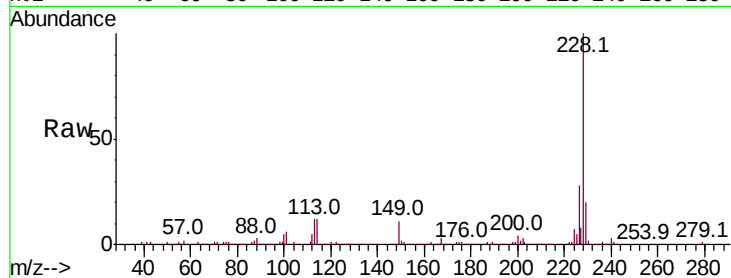
#81
Benzo(a)anthracene
Concen: 39.987 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.4	35.0
229	20.4	17.2	25.8

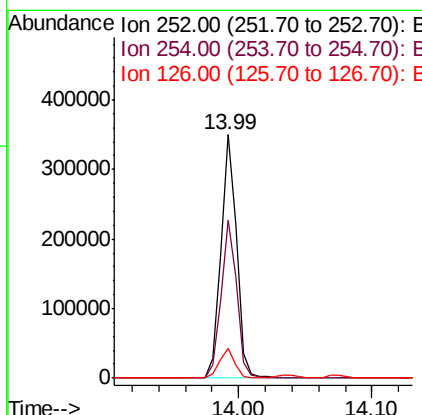
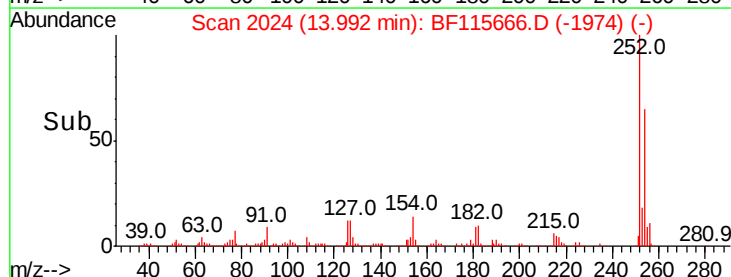
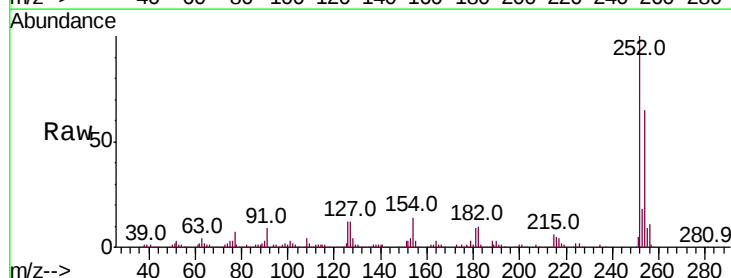
Manual Integrations
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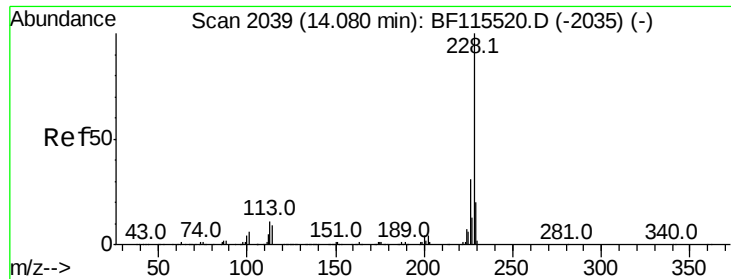
mohammad
7/22/2019 10:01:10 AM



#82
3,3'-Dichlorobenzidine
Concen: 28.851 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.8	52.9	79.3
126	12.4	9.9	14.9





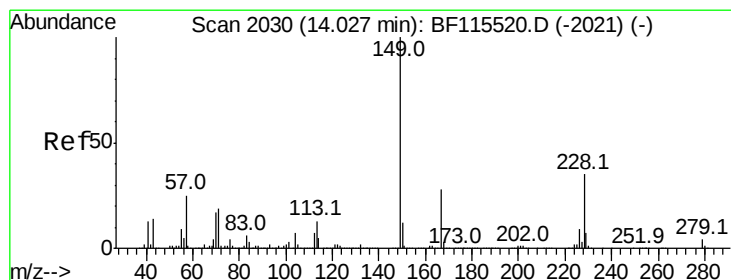
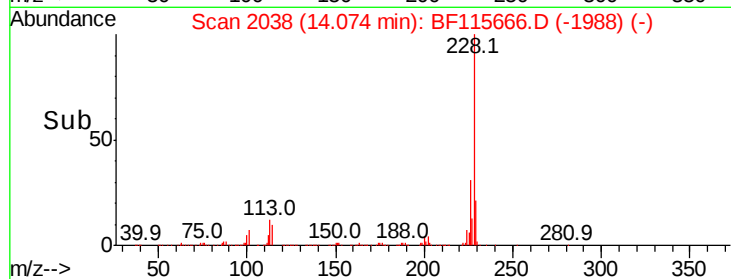
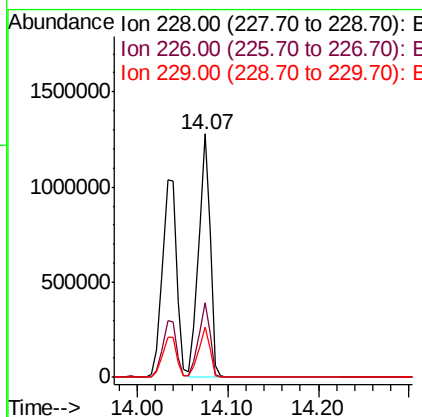
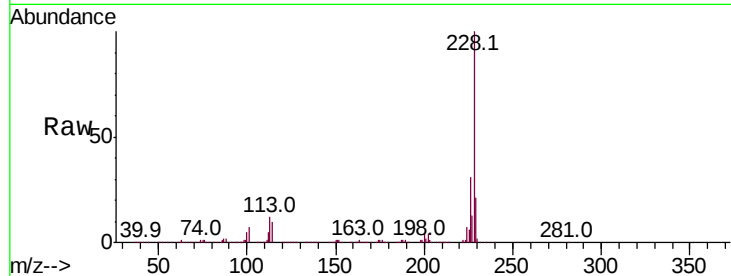
#83
 Chrysene
 Concen: 39.446 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. -0.01 min
 Lab File: BF115666.D
 Acq: 19 Jul 2019 9:43

Instrument :
 BNA_F
 ClientSampleId :
 PB121516BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.7	38.5
229	20.6	16.6	25.0

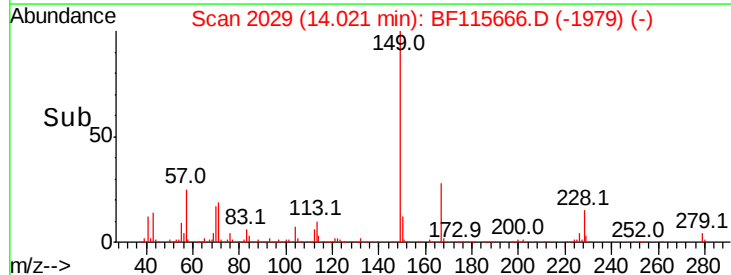
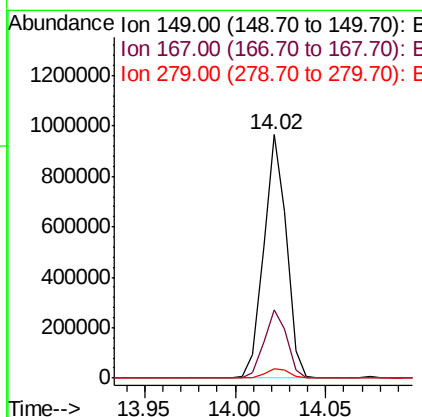
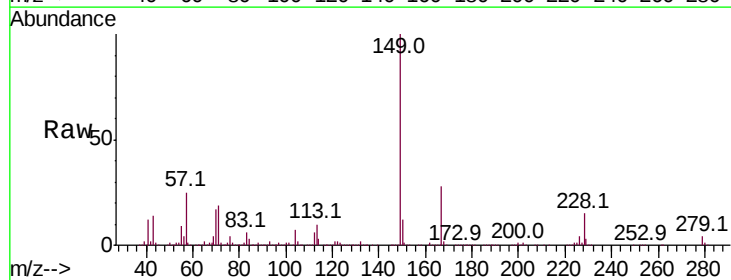
Manual Integrations
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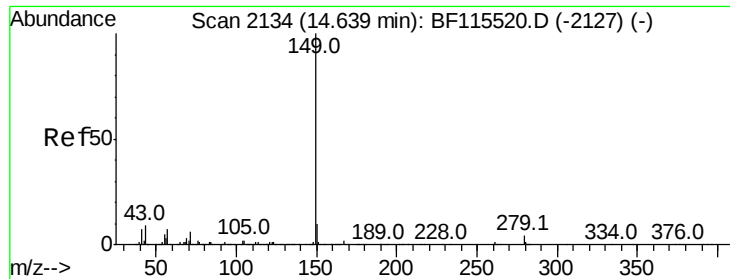
mohammad
 7/22/2019 10:01:10 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 43.483 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF115666.D
 Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.9	23.0	34.4
279	3.9	4.2	6.2#





#85

Di-n-octyl phthalate

Concen: 44.777 ng

RT: 14.63 min Scan# 2133

Delta R.T. -0.01 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

Instrument :

BNA_F

ClientSampleId :

PB121516BSD

Tot Ion:149 Resp: 1375163

Ion Ratio Lower Upper

149 100

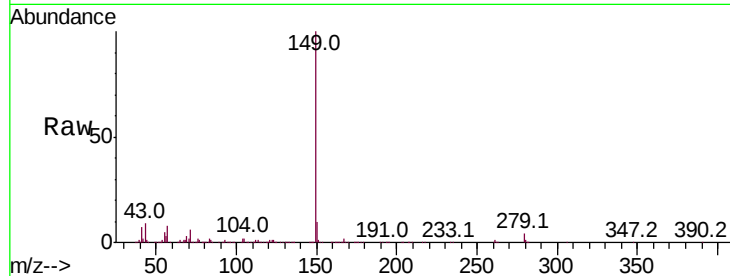
167 1.6 1.4 2.0

43 8.7 7.2 10.8

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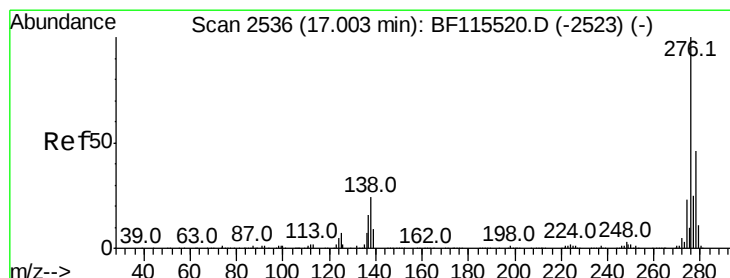
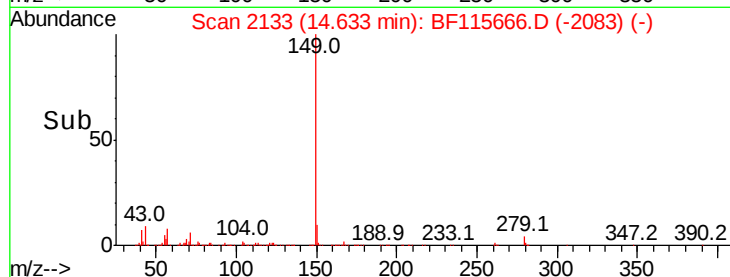
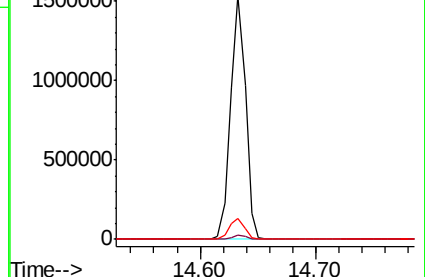
7/22/2019 10:01:10 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 39.114 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.00 min

Lab File: BF115666.D

Acq: 19 Jul 2019 9:43

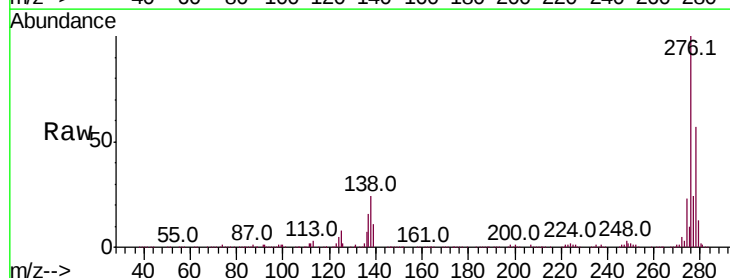
Tgt Ion:276 Resp: 948182

Ion Ratio Lower Upper

276 100

138 25.5 20.2 30.2

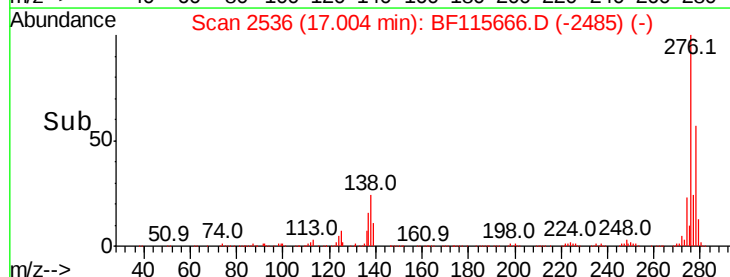
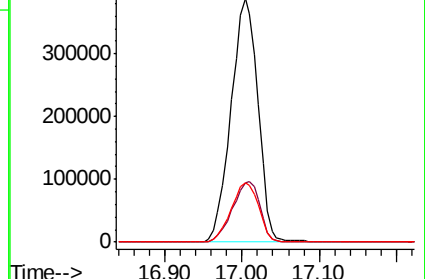
277 25.2 20.4 30.6

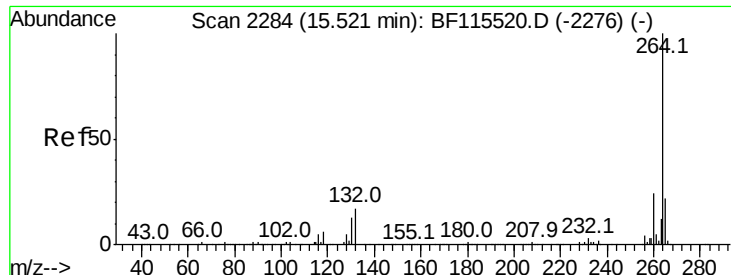


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





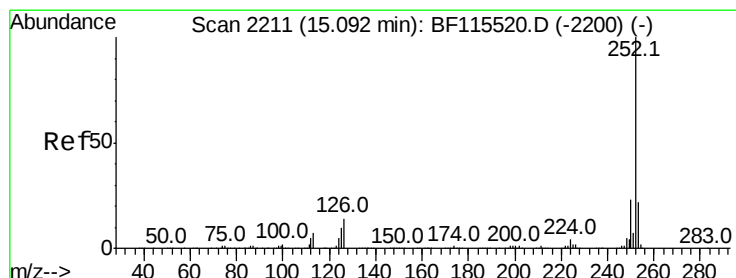
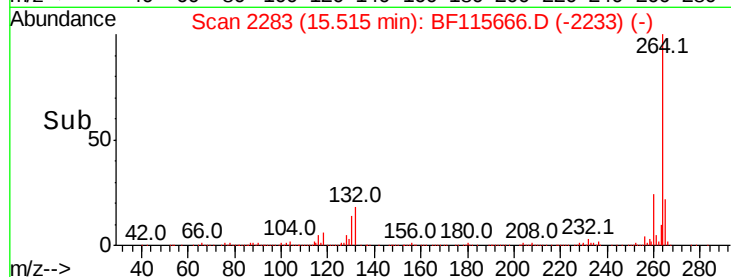
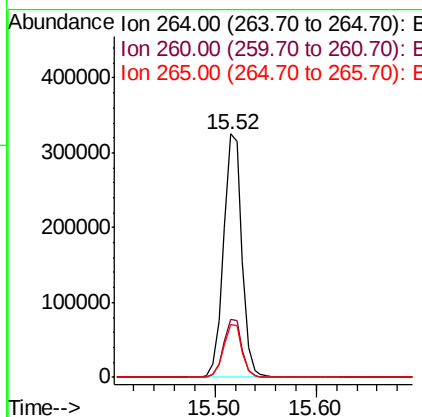
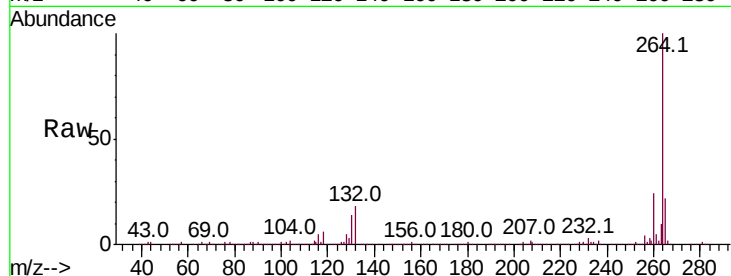
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: BF115666.D
 Acq: 19 Jul 2019 9:43

Instrument :
 BNA_F
 ClientSampleId :
 PB121516BSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.8	29.8
265	21.8	17.7	26.5

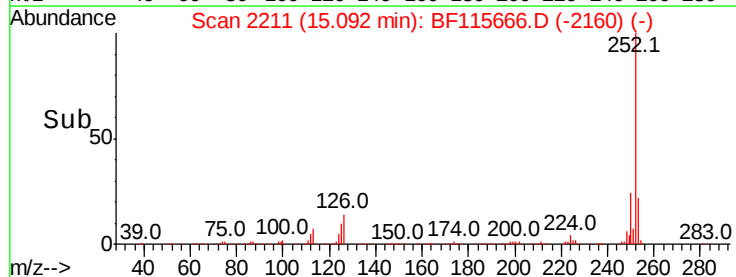
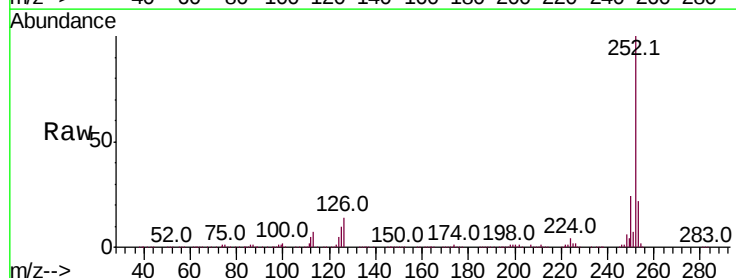
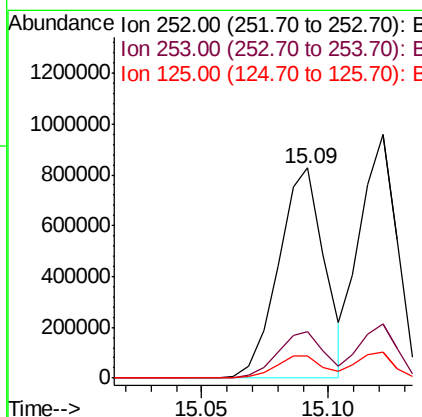
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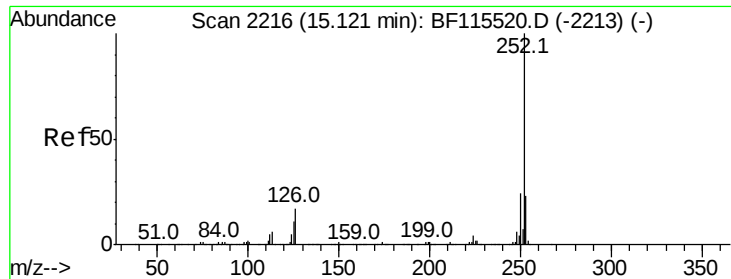
mohammad
 7/22/2019 10:01:10 AM



#88
 Benzo(b)fluoranthene
 Concen: 39.970 ng
 RT: 15.09 min Scan# 2211
 Delta R.T. 0.00 min
 Lab File: BF115666.D
 Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	10.4	9.0	13.4





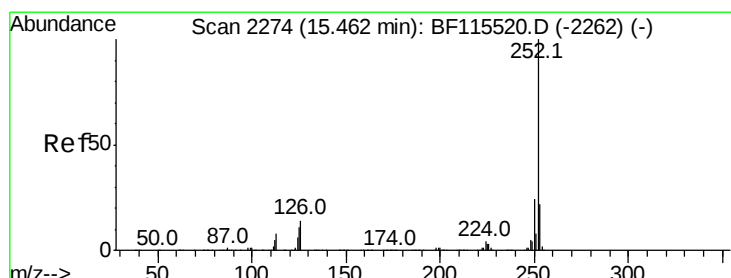
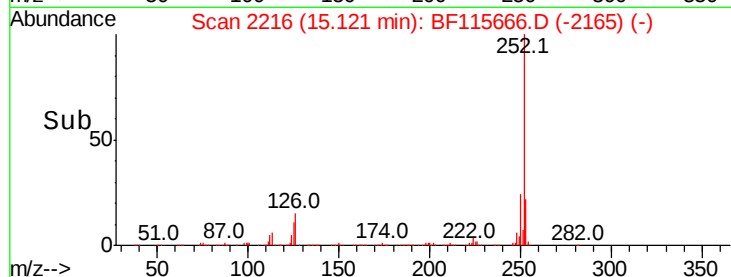
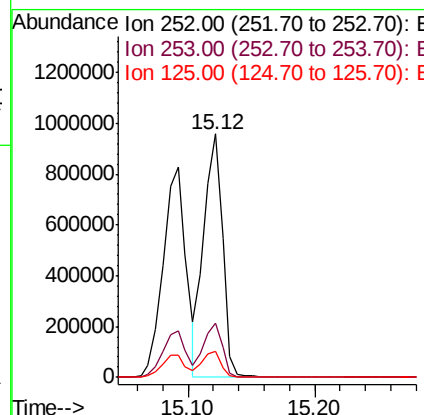
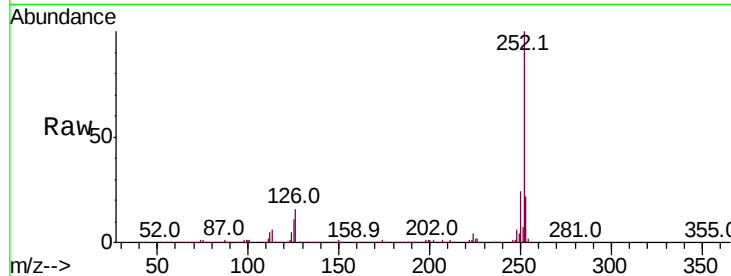
#89
Benzo(k)fluoranthene
Concen: 42.146 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.6	28.0
125	10.7	9.0	13.6

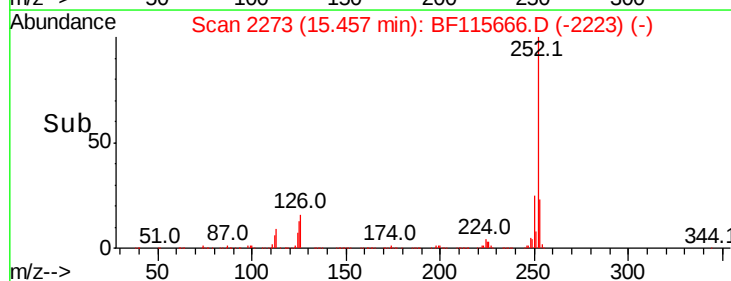
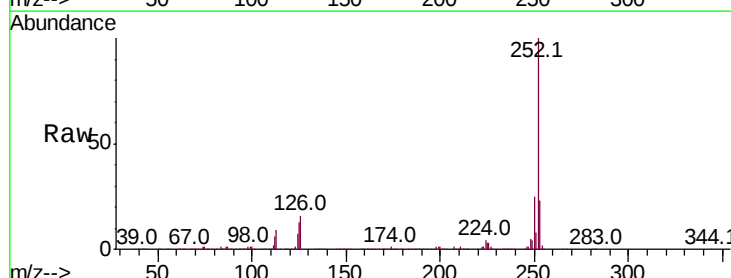
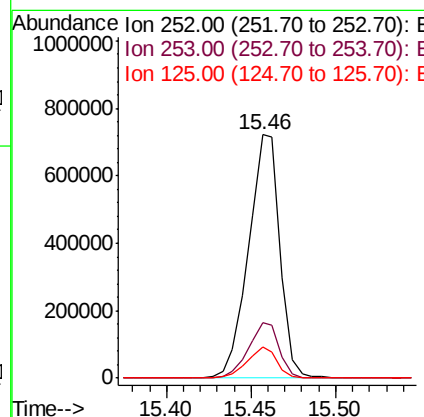
Manual Integrations
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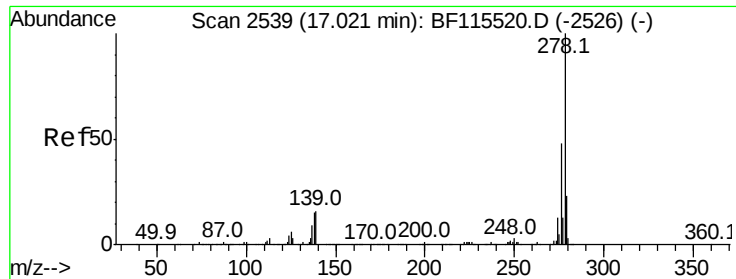
mohammad
7/22/2019 10:01:10 AM



#90
Benzo(a)pyrene
Concen: 41.502 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	12.8	9.1	13.7





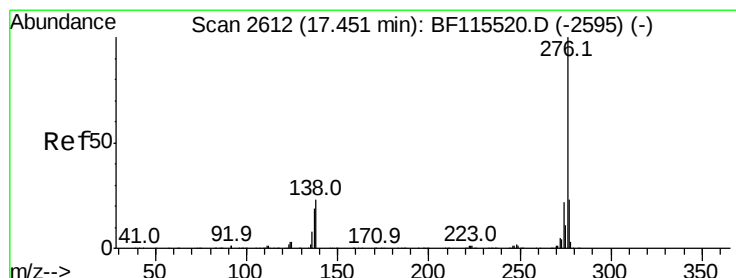
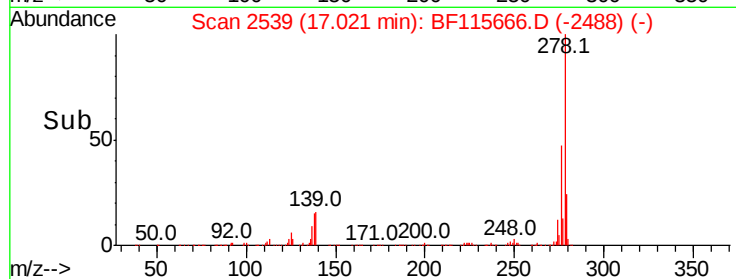
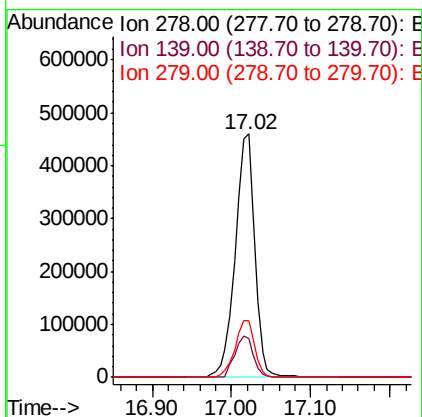
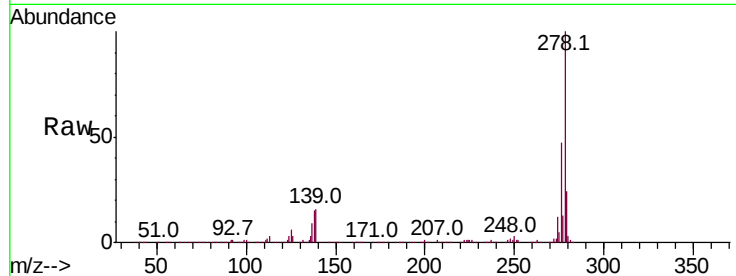
#91
Dibenzo(a,h)anthracene
Concen: 39.933 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.00 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Instrument :
BNA_F
ClientSampleId :
PB121516BSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.1	19.7
279	23.6	19.6	29.4

Manual Integrations
APPROVED

mohammad
7/22/2019 10:01:10 AM



#92
Benzo(g,h,i)perylene
Concen: 39.769 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.00 min
Lab File: BF115666.D
Acq: 19 Jul 2019 9:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	22.2	17.2	25.8

