

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\
 Data File : BF117201.D
 Acq On : 20 Sep 2019 22:16
 Operator : HP/JU
 Sample : K4662-15MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091819MSD

Manual Integrations
 APPROVED

mohammad
 9/24/2019 9:12:58 AM

Quant Time: Sep 23 11:10:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	37491	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	146266	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	79742	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	127868	20.00	ng	0.01
76) Chrysene-d12	13.99	240	85702	20.00	ng	0.01
87) Perylene-d12	15.43	264	69416	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	308779	128.59	ng	0.03
7) Phenol-d6	6.47	99	381125	122.81	ng	0.01
23) Nitrobenzene-d5	7.39	82	298827	107.35	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	115463	173.25	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	557362	109.29	ng	0.00
79) Terphenyl-d14	12.93	244	567688	123.82	ng	0.01

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.82	88	33938	33.775	ng	# 86
3) Pyridine	3.53	79	57233	20.809	ng	96
4) n-Nitrosodimethylamine	3.45	42	46485	49.250	ng	78
6) Aniline	6.49	93	34675	8.678	ng	# 48
8) 2-Chlorophenol	6.62	128	126207	48.718	ng	98
9) Benzaldehyde	6.37	77	42992	23.934	ng	98
10) Phenol	6.48	94	129407	37.825	ng	100
11) bis(2-Chloroethyl)ether	6.56	93	121915	48.485	ng	100
12) 1,3-Dichlorobenzene	6.76	146	124155	42.709	ng	98
13) 1,4-Dichlorobenzene	6.84	146	130828	44.100	ng	98
14) 1,2-Dichlorobenzene	6.99	146	123972	44.884	ng	97
15) Benzyl Alcohol	6.97	79	119672	50.285	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.10	45	111275	44.792	ng	75
17) 2-Methylphenol	7.09	107	103024	47.451	ng	# 84
18) Hexachloroethane	7.33	117	51116	44.789	ng	97
19) n-Nitroso-di-n-propylamine	7.24	70	98544	52.147	ng	# 90
20) 3+4-Methylphenols	7.24	107	133769	49.464	ng	94
22) Acetophenone	7.23	105	199361	53.647	ng	# 96
24) Nitrobenzene	7.40	77	147465	53.642	ng	98
25) Isophorone	7.65	82	265970	53.961	ng	99
26) 2-Nitrophenol	7.72	139	64088	54.274	ng	# 92
27) 2,4-Dimethylphenol	7.76	122	109064	58.243	ng	97
28) bis(2-Chloroethoxy)methane	7.85	93	157176	51.758	ng	99
29) 2,4-Dichlorophenol	7.97	162	105439	53.738	ng	97
30) 1,2,4-Trichlorobenzene	8.05	180	106971	50.463	ng	97
31) Naphthalene	8.12	128	393176	55.893	ng	99
32) Benzoic acid	7.92	122	54051	39.570	ng	95
33) 4-Chloroaniline	8.19	127	25459	8.160	ng	# 94
34) Hexachlorobutadiene	8.24	225	63924	53.152	ng	96
35) Caprolactam	8.56	113	21125m	31.809	ng	
36) 4-Chloro-3-methylphenol	8.67	107	125979	55.065	ng	99
37) 2-Methylnaphthalene	8.82	142	262707	55.459	ng	98
38) 1-Methylnaphthalene	8.92	142	243046	54.783	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	106739	51.836	ng	# 97

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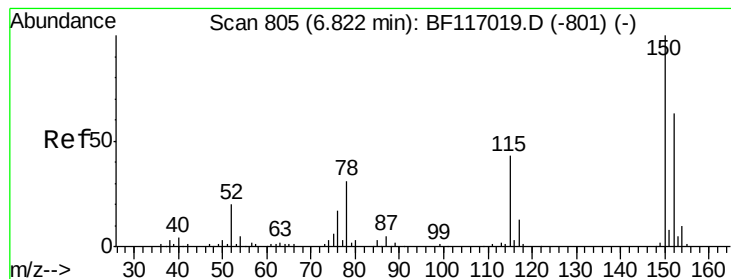
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	107472	114.341	nq	99
43) 2,4,6-Trichlorophenol	9.10	196	71336	51.049	nq	97
44) 2,4,5-Trichlorophenol	9.15	196	77119	51.654	nq	95
46) 1,1'-Biphenyl	9.28	154	319664	51.106	nq	99
47) 2-Chloronaphthalene	9.30	162	247164	50.069	nq	97
48) 2-Nitroaniline	9.40	65	76435	48.273	nq	87
49) Acenaphthylene	9.72	152	384527	51.997	nq	100
50) Dimethylphthalate	9.58	163	304171	53.872	nq	99
51) 2,6-Dinitrotoluene	9.65	165	64951	56.482	nq	99
52) Acenaphthene	9.89	154	225825	51.514	nq	100
53) 3-Nitroaniline	9.82	138	20364	14.036	nq	99
54) 2,4-Dinitrophenol	9.93	184	52305	102.437	nq	93
55) Dibenzofuran	10.06	168	352081	54.435	nq	97
56) 4-Nitrophenol	10.00	139	68329	72.665	nq	94
57) 2,4-Dinitrotoluene	10.06	165	85203	57.080	nq	# 79
58) Fluorene	10.41	166	288042	55.285	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.19	232	64407	56.373	nq	99
60) Diethylphthalate	10.28	149	313437	56.426	nq	98
61) 4-Chlorophenyl-phenylether	10.40	204	130437	57.863	nq	98
62) 4-Nitroaniline	10.44	138	61861	40.999	nq	# 83
63) Azobenzene	10.56	77	314335	55.406	nq	95
65) 4,6-Dinitro-2-methylphenol	10.47	198	36579	60.657	nq	76
66) n-Nitrosodiphenylamine	10.52	169	247028	55.939	nq	100
67) 4-Bromophenyl-phenylether	10.89	248	74628	57.149	nq	94
68) Hexachlorobenzene	10.96	284	77433	54.214	nq	95
69) Atrazine	11.05	200	62831	64.233	nq	98
70) Pentachlorophenol	11.16	266	73949	110.454	nq	99
71) Phenanthrene	11.37	178	392891	54.096	nq	99
72) Anthracene	11.42	178	407133	54.908	nq	99
73) Carbazole	11.57	167	353865	50.278	nq	98
74) Di-n-butylphthalate	11.90	149	514010	61.382	nq	99
75) Fluoranthene	12.56	202	385166	51.613	nq	99
77) Benzdine	12.70	184	3464m	1.255	nq	
78) Pyrene	12.79	202	387002	53.817	nq	98
80) Butylbenzylphthalate	13.39	149	197847	58.226	nq	95
81) Benzo(a)anthracene	13.97	228	300678	52.512	nq	98
82) 3,3'-Dichlorobenzidine	13.93	252	41946	22.733	nq	97
83) Chrysene	14.02	228	288947	51.740	nq	96
84) Bis(2-ethylhexyl)phthalate	13.95	149	299196	68.293	nq	96
85) Di-n-octyl phthalate	14.56	149	470089	68.173	nq	100
86) Indeno(1,2,3-cd)pyrene	16.89	276	202326	49.659	nq	98
88) Benzo(b)fluoranthene	15.02	252	225614	53.657	nq	99
89) Benzo(k)fluoranthene	15.04	252	231761	58.186	nq	99
90) Benzo(a)pyrene	15.37	252	205064	55.576	nq	99
91) Dibenzo(a,h)anthracene	16.90	278	172825	58.796	nq	97
92) Benzo(g,h,i)perylene	17.32	276	155590	53.119	nq	97

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



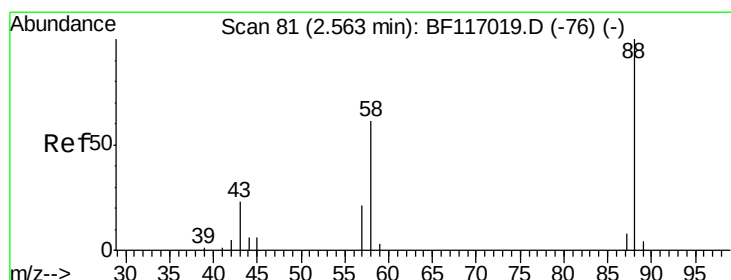
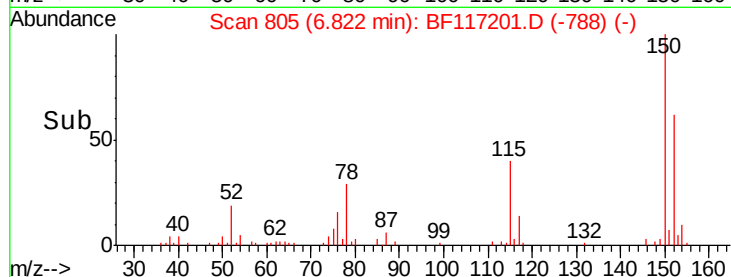
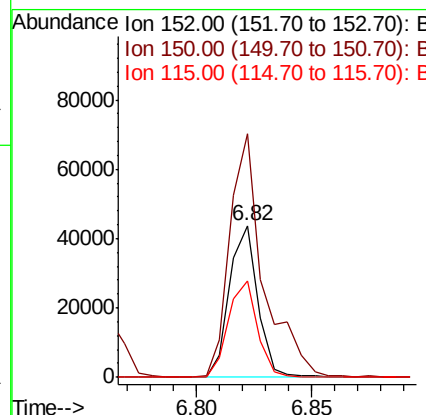
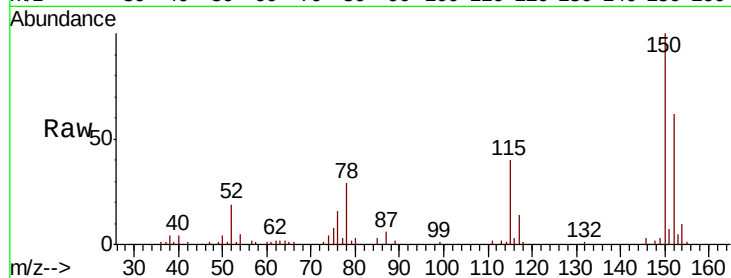
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	127.5	191.3
115	63.6	55.0	82.4

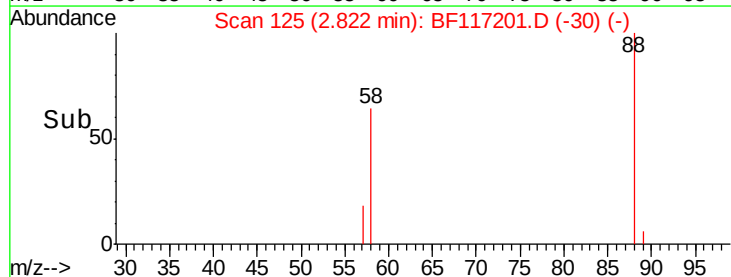
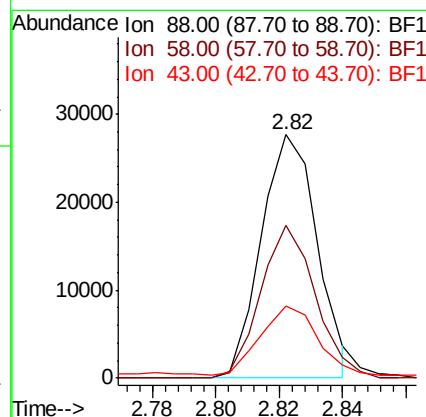
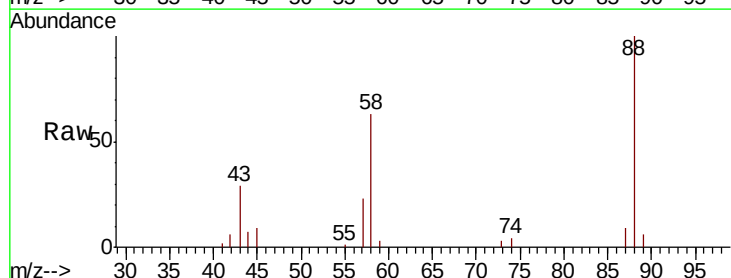
Manual Integrations
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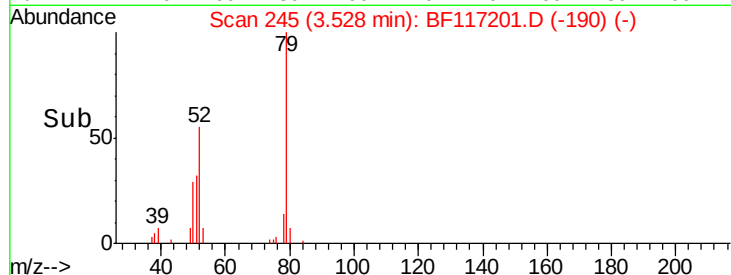
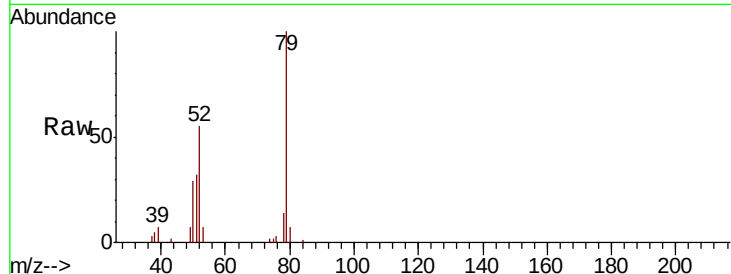
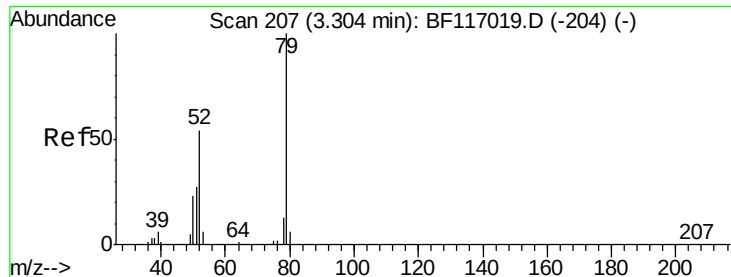
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#2
 1,4-Dioxane
 Concen: 33.775 ng
 RT: 2.82 min Scan# 125
 Delta R.T. 0.26 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	60.8	49.3	73.9
43	0.0	18.8	28.2





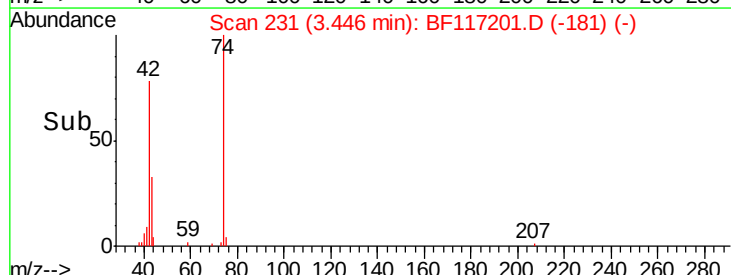
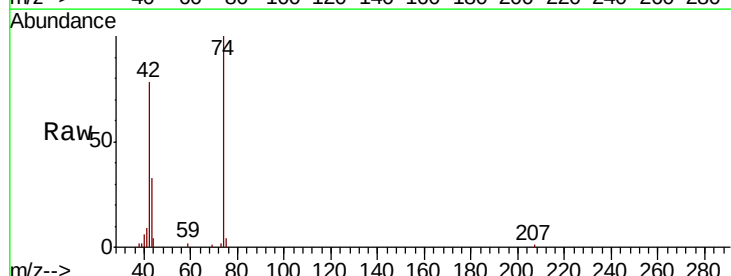
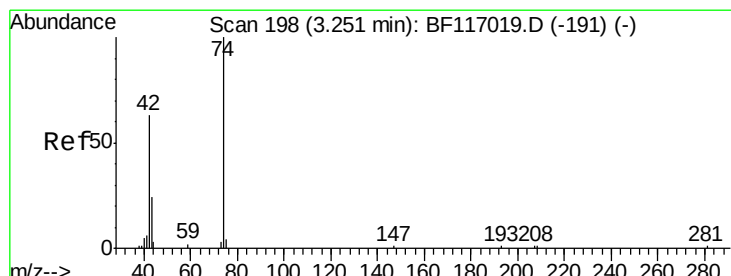
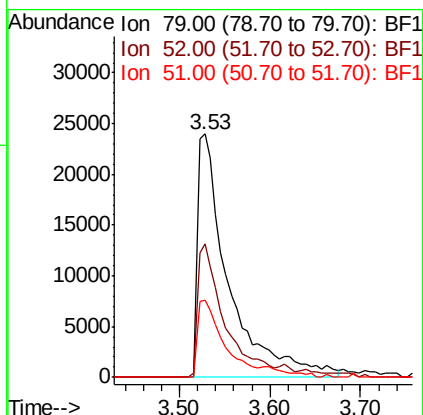
#3
 Pvridine
 Concen: 20.809 ng
 RT: 3.53 min Scan# 245
 Delta R.T. 0.22 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Tot Ion:	79	Resp:	57233
Ion Ratio	Lower	Upper	
79	100		
52	55.0	43.5	65.3
51	31.8	21.8	32.6

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091819MSD

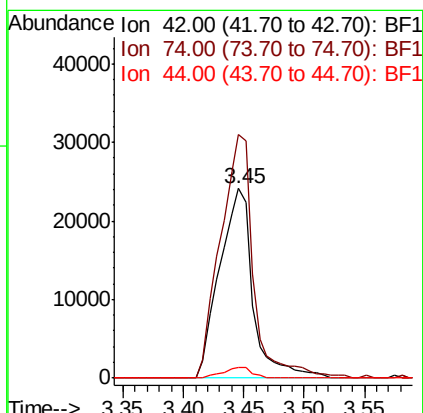
Manual Integrations
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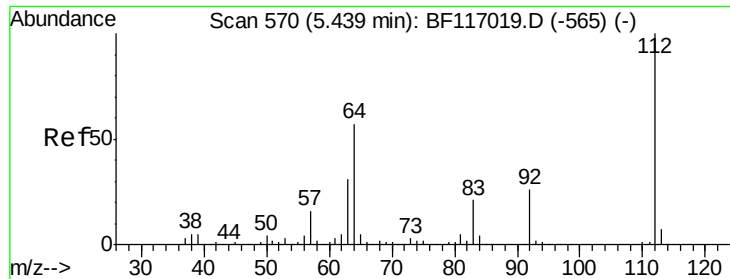
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#4
 n-Nitrosodimethylamine
 Concen: 49.250 ng
 RT: 3.45 min Scan# 231
 Delta R.T. 0.19 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Tgt Ion:	42	Resp:	46485
Ion Ratio	Lower	Upper	
42	100		
74	128.7	127.1	190.7
44	5.7	4.3	6.5





#5

2-Fluorophenol

Concen: 128.586 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.03 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Instrument :

BNA_F

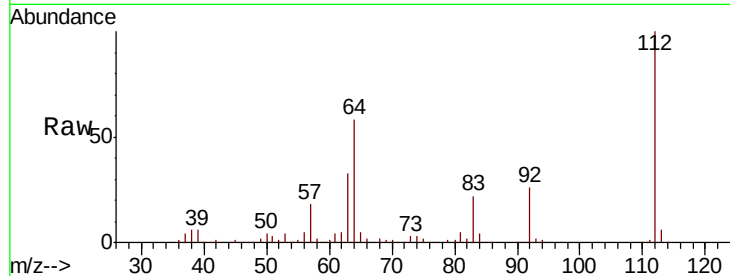
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CL-02-091819MSD

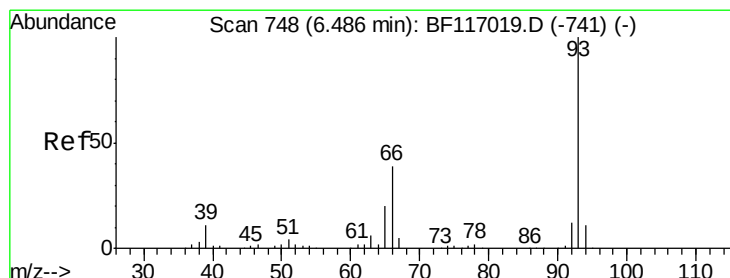
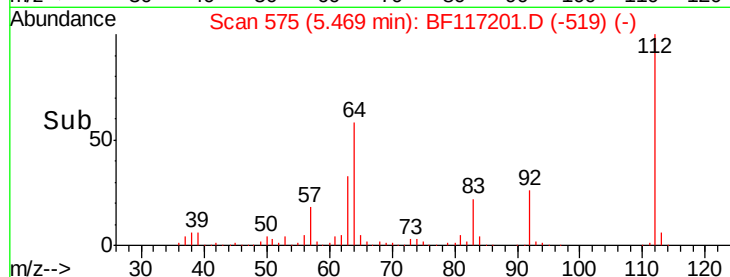
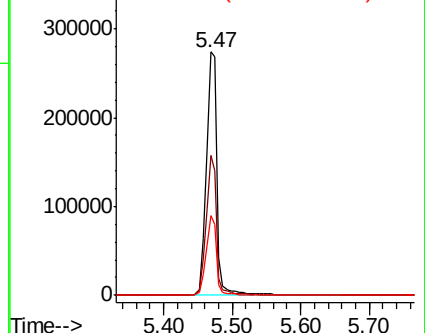
Tot Ion	Ratio	Resp	Lower	Upper
112	100	308779		
64	57.7		45.7	68.5
63	32.6		24.9	37.3

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



#6

Aniline

Concen: 8.678 ng

RT: 6.49 min Scan# 749

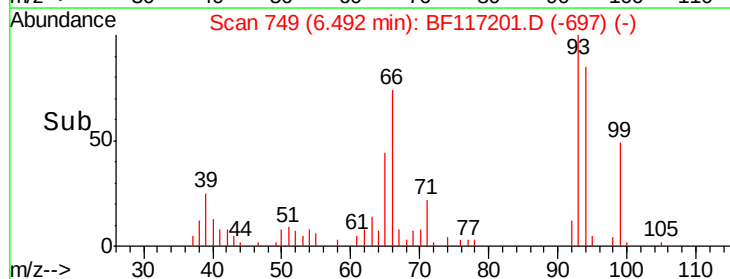
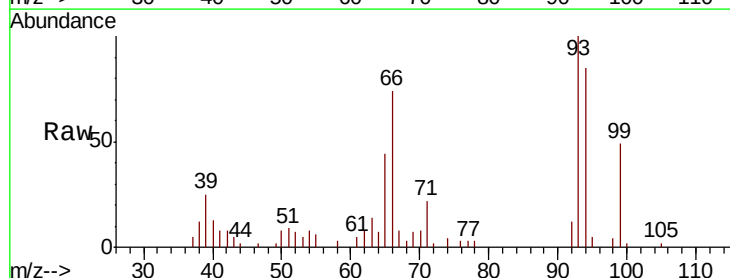
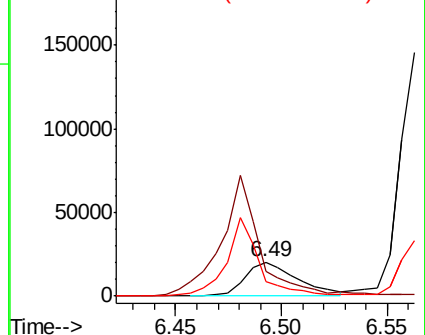
Delta R.T. 0.01 min

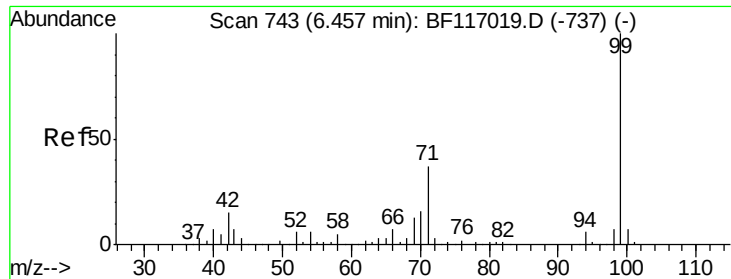
Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	34675		
66	74.2		32.6	49.0#
65	43.7		16.7	25.1#

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: 122.809 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Instrument :

BNA_F

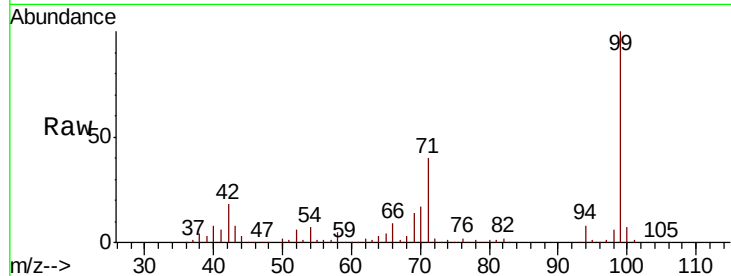
ClientSampleId :

CL-02-091819MSD

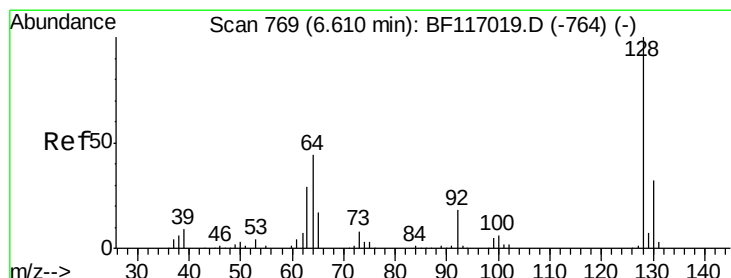
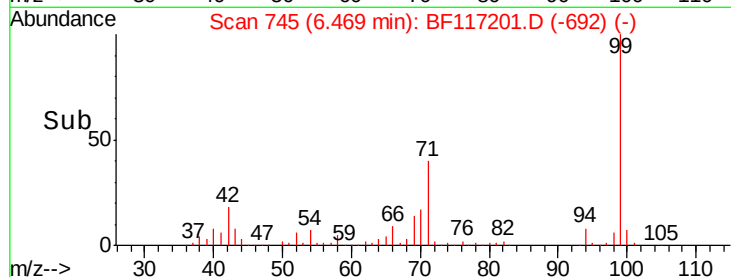
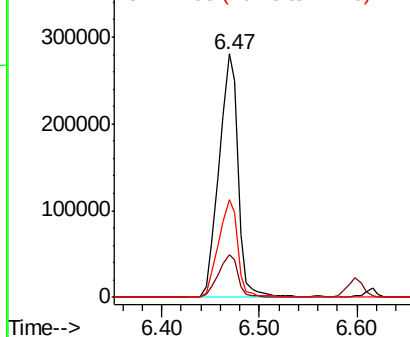
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		381125		
42	17.6	12.2	18.2		
71	40.1	29.8	44.8		

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 48.718 ng

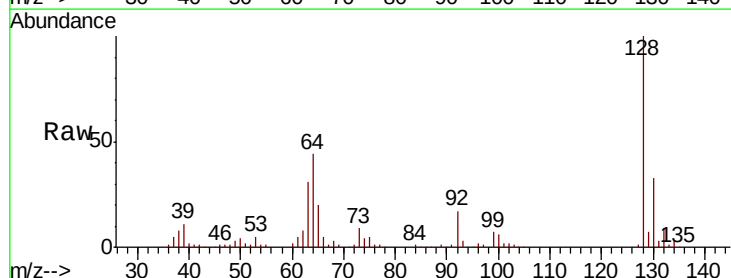
RT: 6.62 min Scan# 770

Delta R.T. 0.01 min

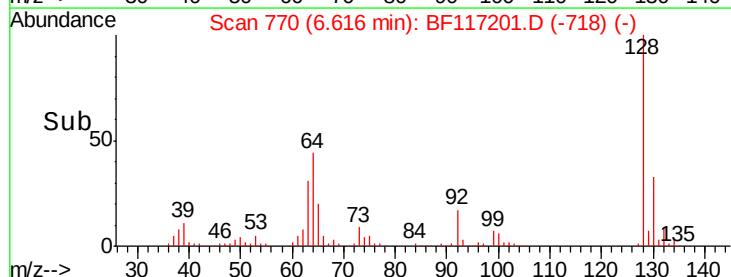
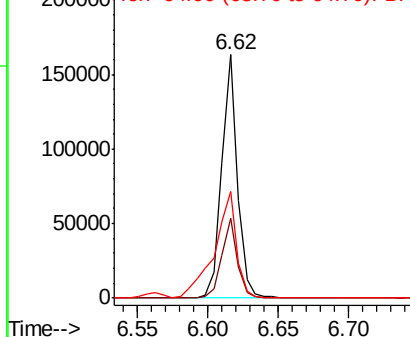
Lab File: BF117201.D

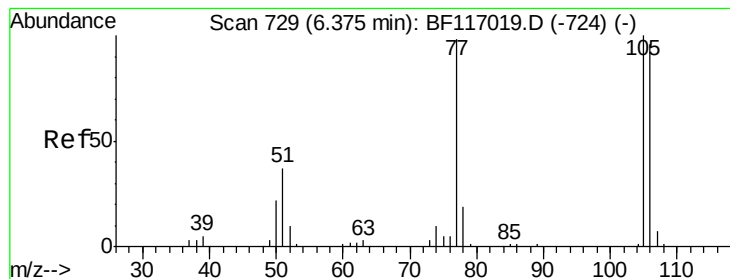
Acq: 20 Sep 2019 22:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		126207		
130	32.6	11.8	51.8		
64	43.9	25.0	65.0		



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 23.934 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Instrument :

BNA_F

ClientSampleID :

CL-02-091819MSD

Tot Ion: 77 Resp: 42992

Ion Ratio Lower Upper

77 100

105 101.3 81.8 121.8

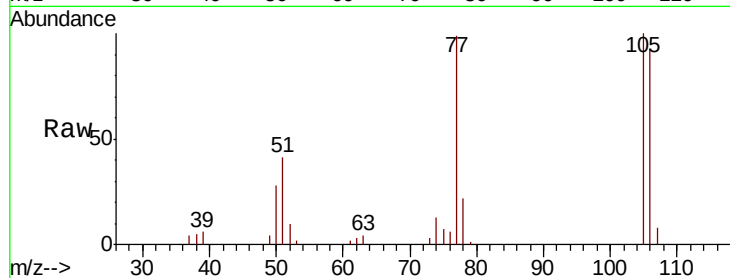
106 94.2 77.3 117.3

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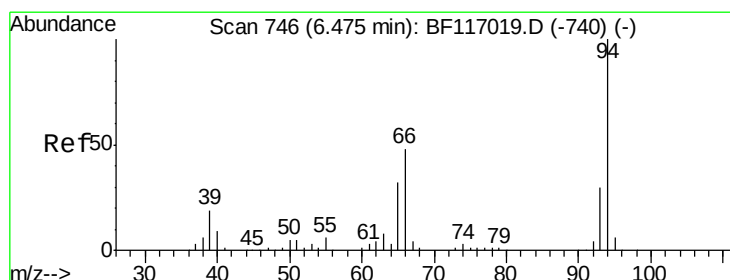
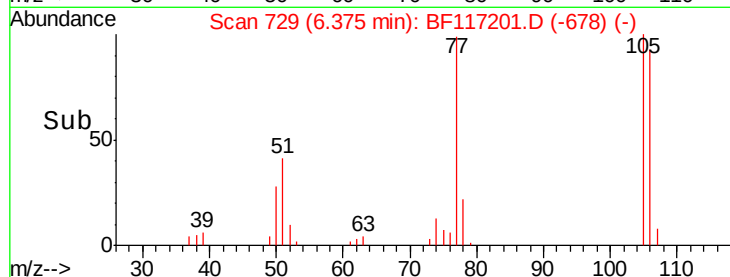
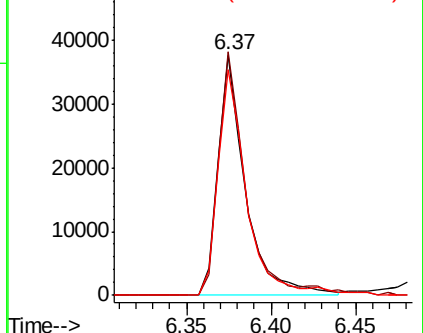
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Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 37.825 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

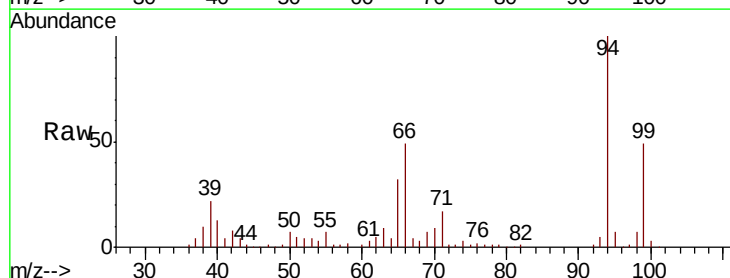
Tgt Ion: 94 Resp: 129407

Ion Ratio Lower Upper

94 100

65 32.3 12.5 52.5

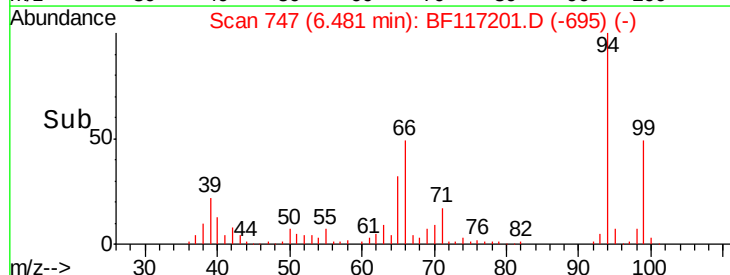
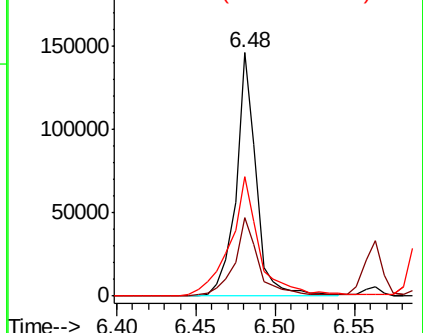
66 49.2 28.9 68.9

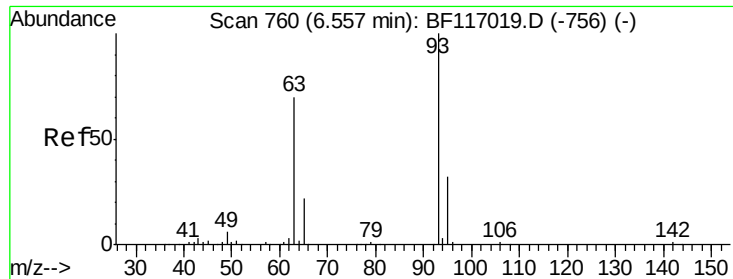


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

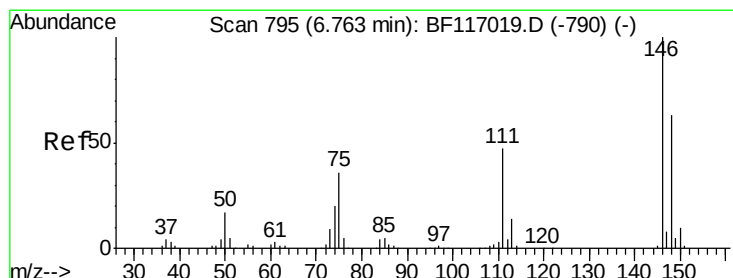
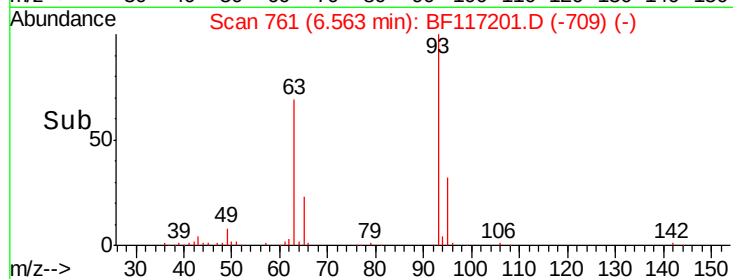
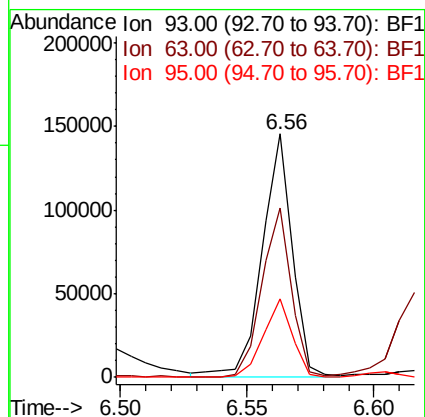
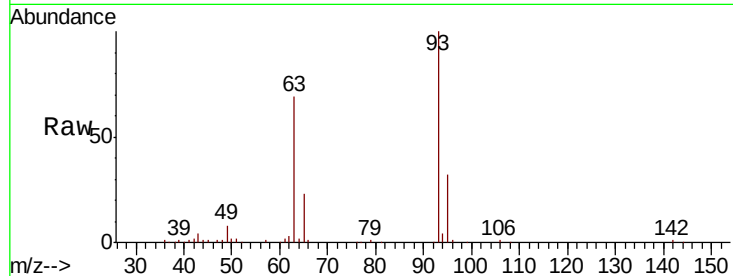
bis(2-Chloroethyl)ether
Concen: 48.485 ng
RT: 6.56 min Scan# 761
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion:	93	Resp:	121915
Ion Ratio	Lower	Upper	
93	100		
63	69.4	49.3	89.3
95	32.2	11.5	51.5

Manual Integrations
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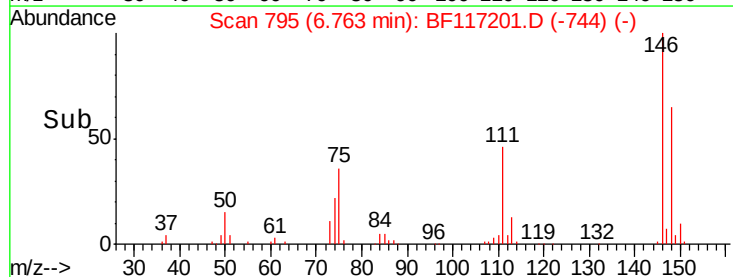
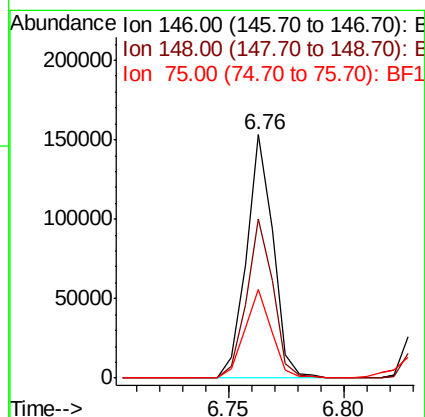
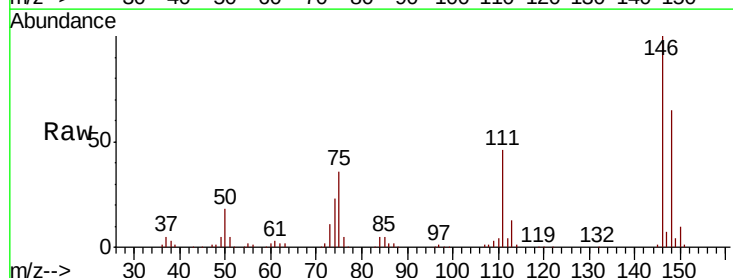
mohammad
9/24/2019 9:12:58 AM

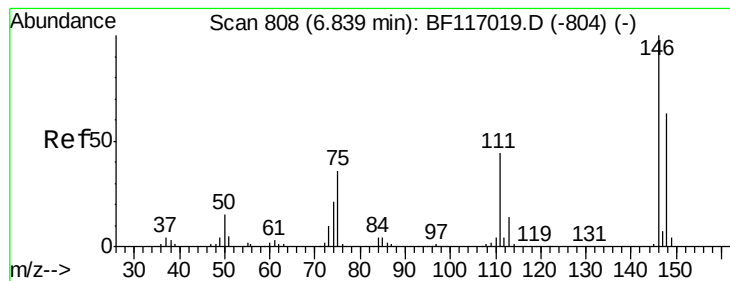


#12

1,3-Dichlorobenzene
Concen: 42.709 ng
RT: 6.76 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion:	146	Resp:	124155
Ion Ratio	Lower	Upper	
146	100		
148	65.1	50.8	76.2
75	36.3	28.7	43.1





#13

1,4-Dichlorobenzene

Concen: 44.100 ng

RT: 6.84 min Scan# 808

Delta R.T. 0.00 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Instrument :

BNA_F

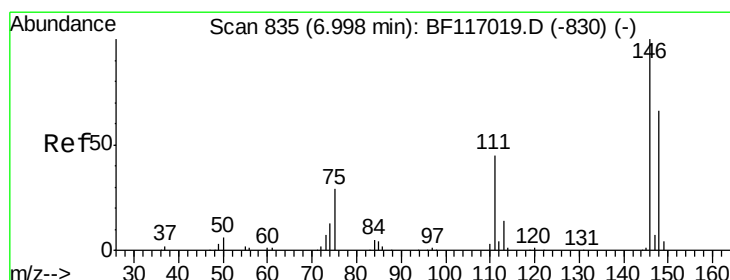
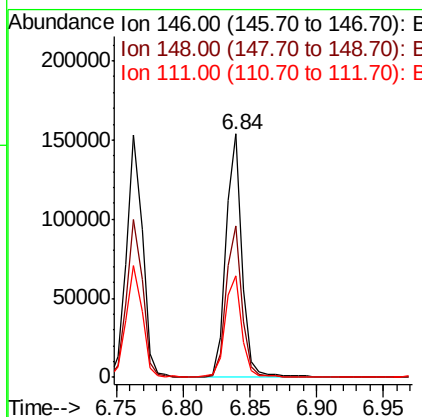
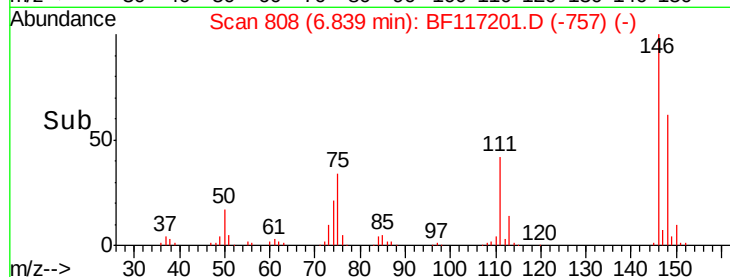
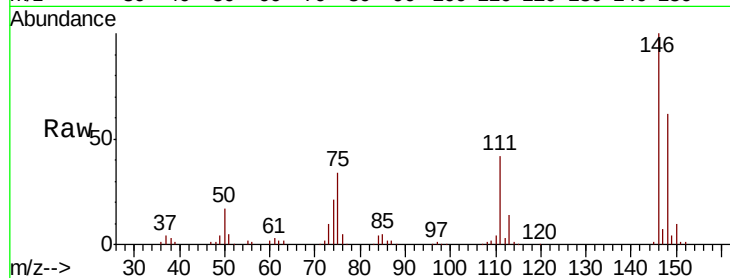
ClientSampleId :

CL-02-091819MSD

Tot Ion:	146	Resp:	130828
Ion Ratio	Lower	Upper	
146	100		
148	62.2	50.6	76.0
111	41.5	35.0	52.6

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 44.884 ng

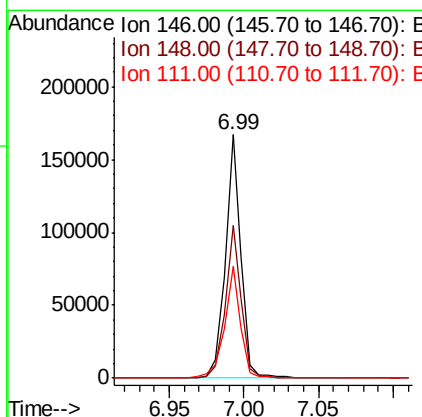
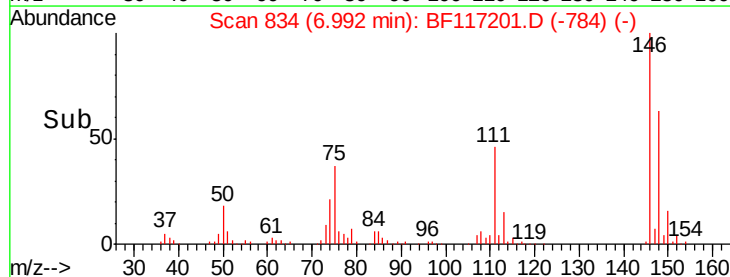
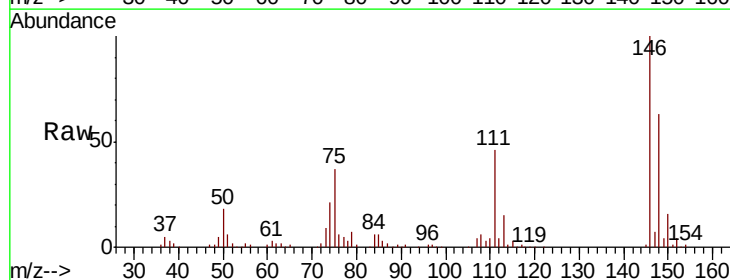
RT: 6.99 min Scan# 834

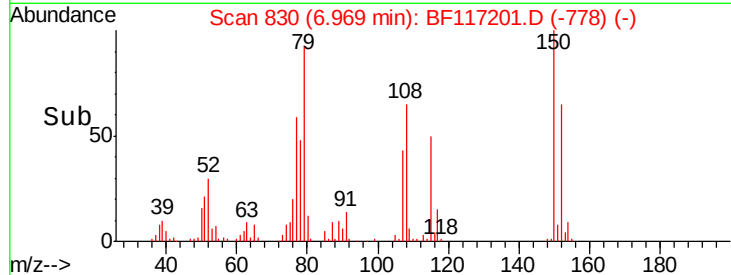
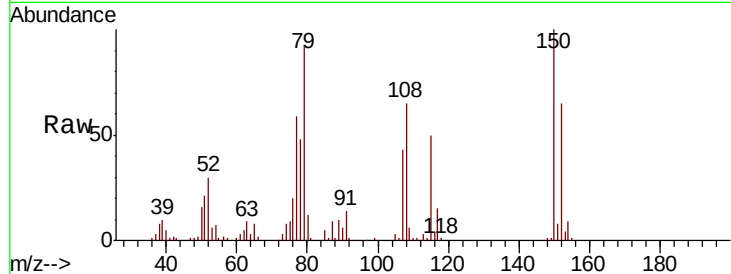
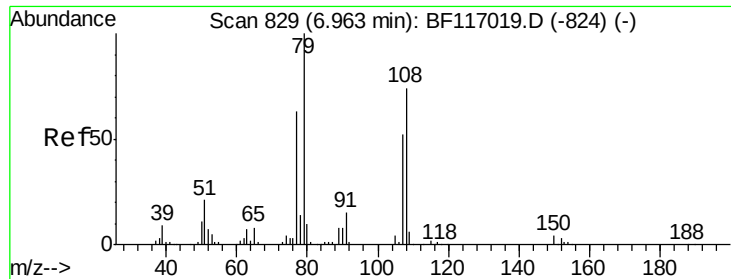
Delta R.T. -0.01 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Tgt Ion:	146	Resp:	123972
Ion Ratio	Lower	Upper	
146	100		
148	62.8	52.6	78.8
111	46.0	36.2	54.2





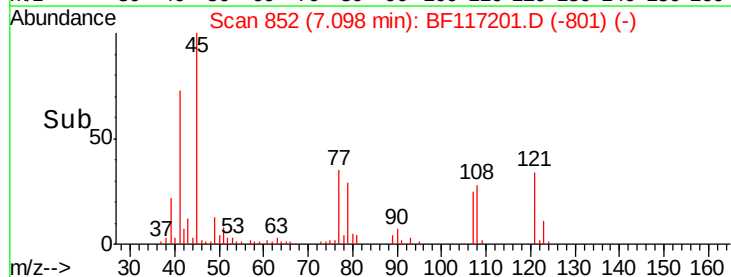
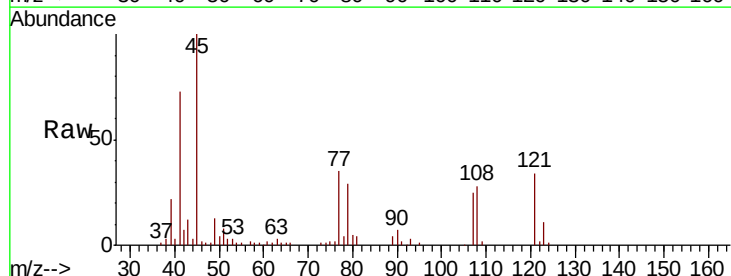
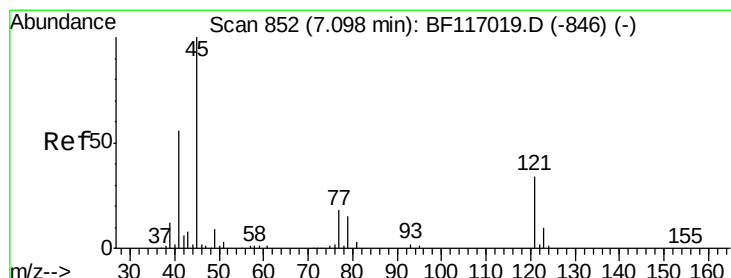
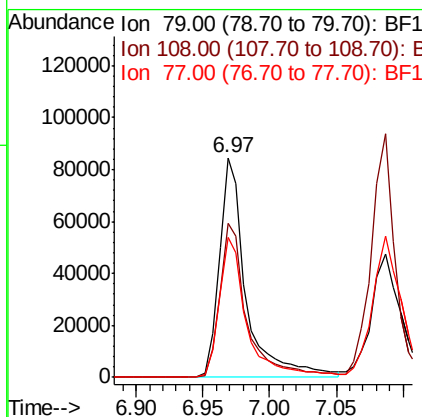
#15
Benzvl Alcohol
Concen: 50.285 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tot Ion	Ratio	Lower	Upper
79	100		
108	69.8	59.4	89.0
77	63.5	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

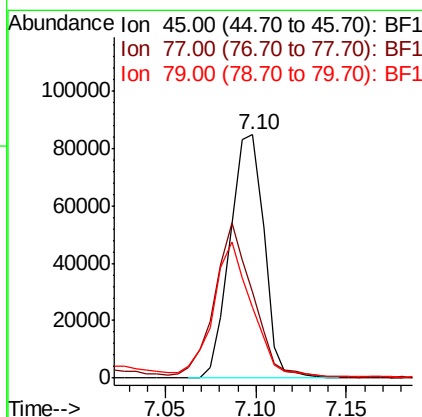
Manual Integrations
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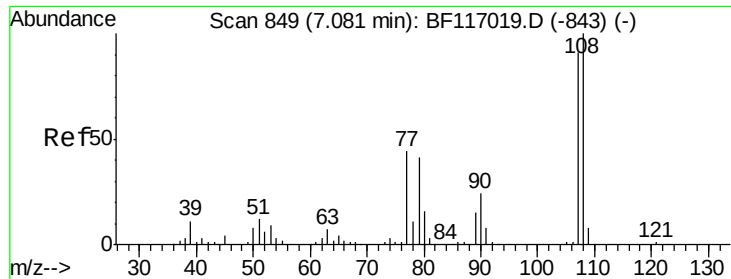
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.792 ng
RT: 7.10 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Lower	Upper
45	100		
77	35.4	2.7	42.7
79	29.1	0.0	38.9





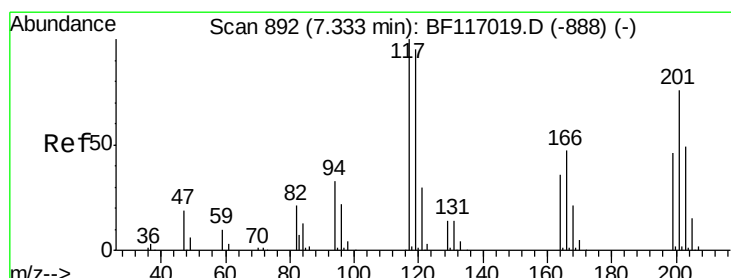
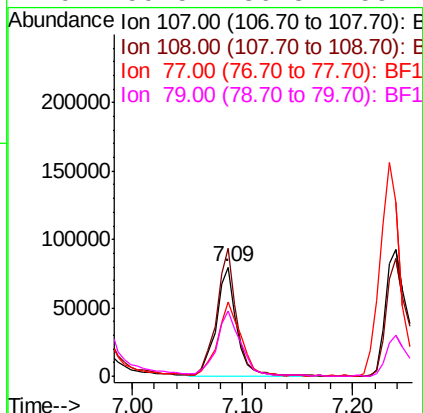
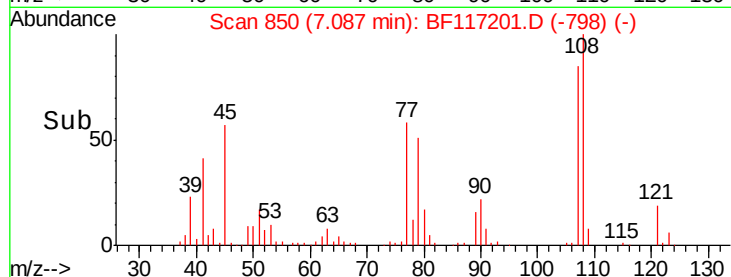
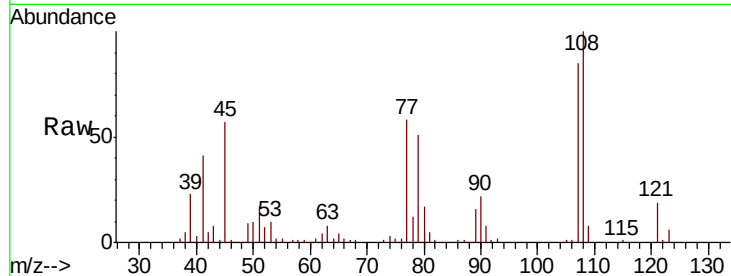
#17
2-Methylphenol
Concen: 47.451 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	117.4	87.7	131.5
77	68.0	38.6	58.0
79	59.5	36.8	55.2

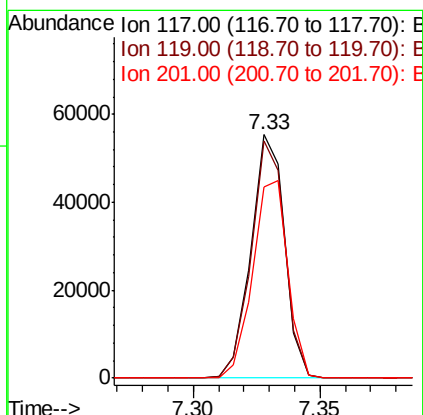
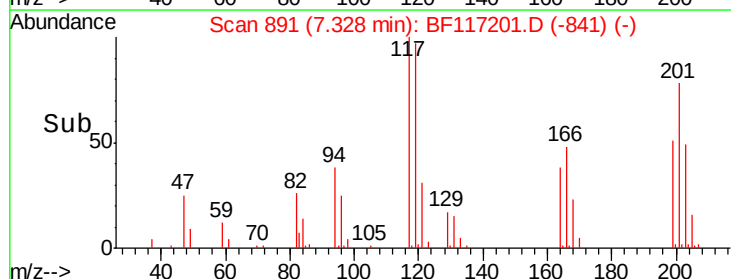
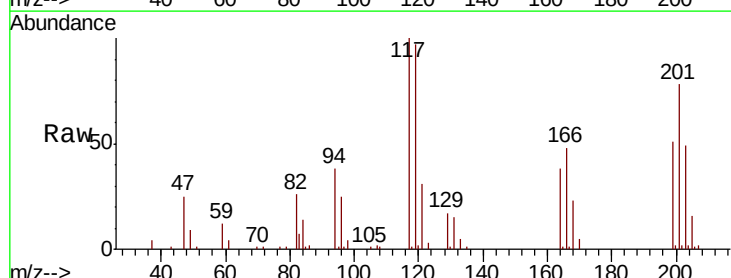
Manual Integrations
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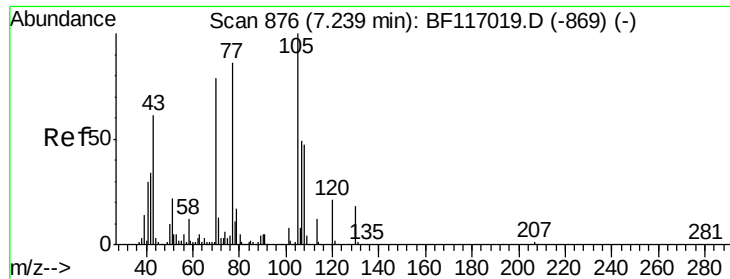
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#18
Hexachloroethane
Concen: 44.789 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.8	113.8
201	78.5	60.9	91.3





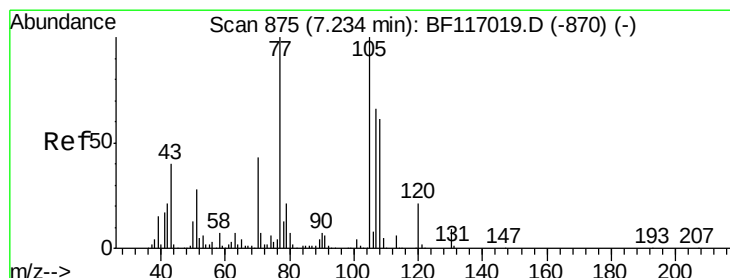
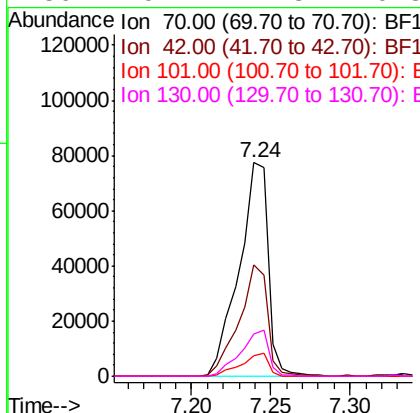
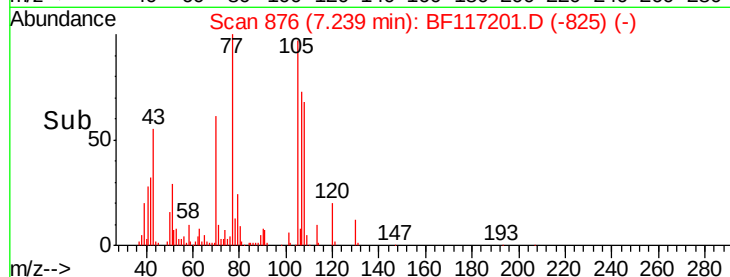
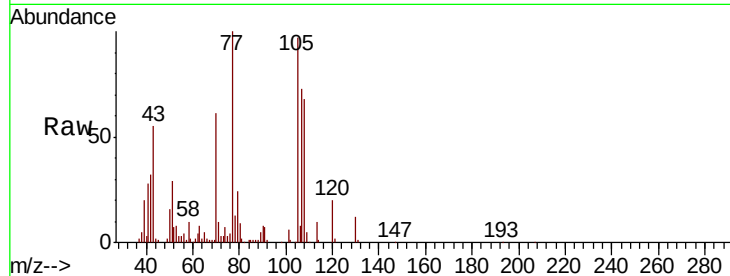
#19
n-Nitroso-di-n-propylamine
Concen: 52.147 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	51.9	34.0	51.0#
101	9.9	7.8	11.6
130	19.7	17.8	26.8

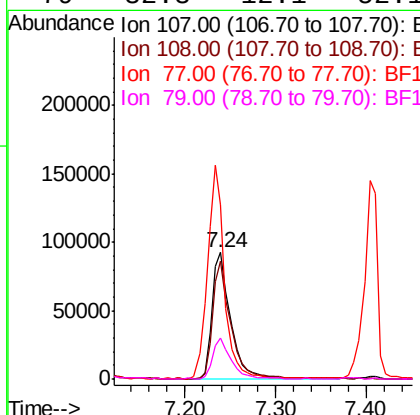
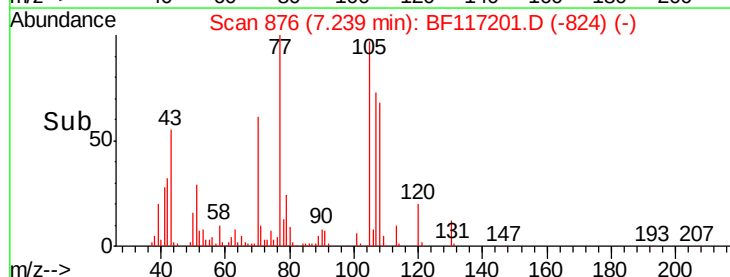
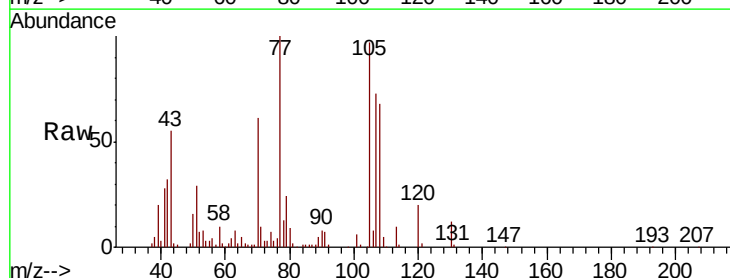
Manual Integrations
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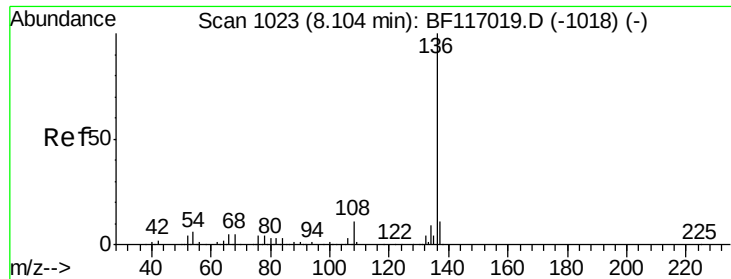
mohammad
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#20
3+4-Methylphenols
Concen: 49.464 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Lower	Upper
107	100		
108	92.8	72.6	112.6
77	137.2	132.1	172.1
79	32.3	12.1	52.1





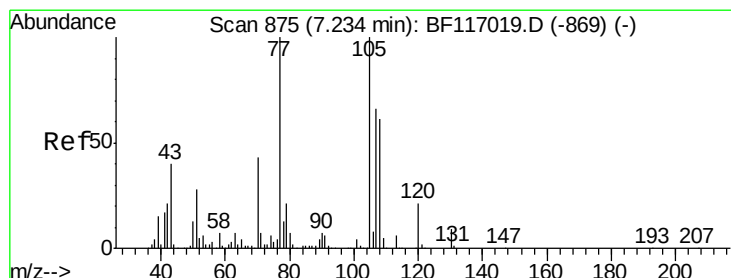
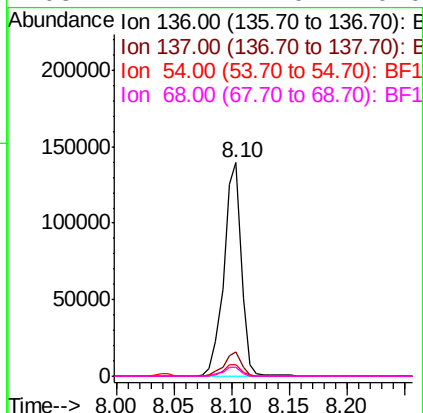
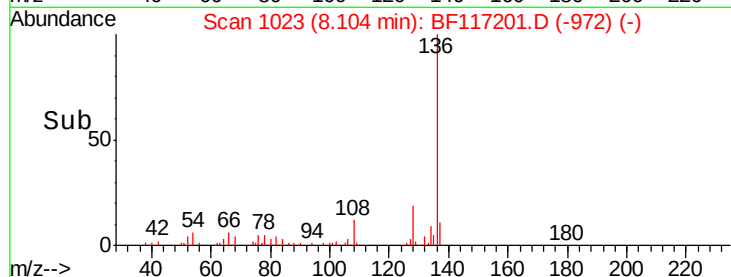
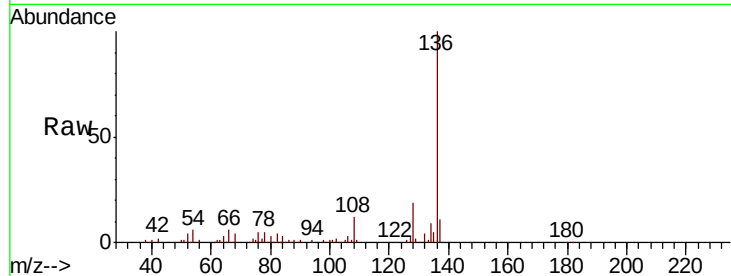
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		146266		
137	11.2		9.0	13.4	
54	5.7		4.5	6.7	
68	4.2		4.0	6.0	

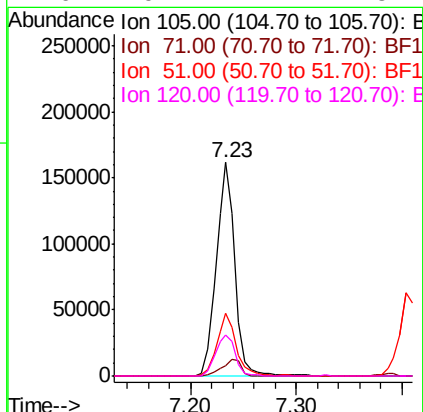
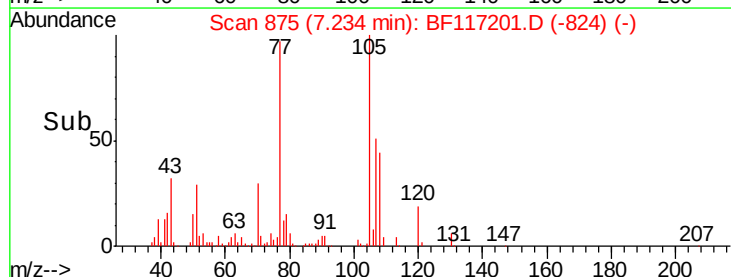
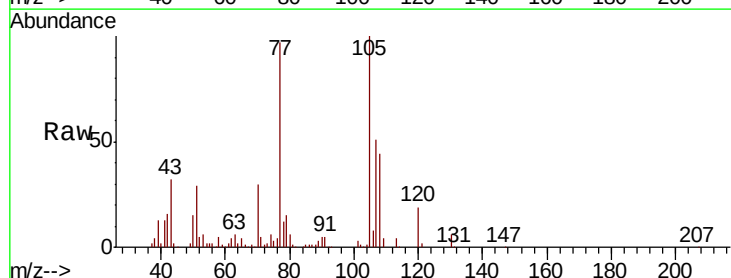
Manual Integrations
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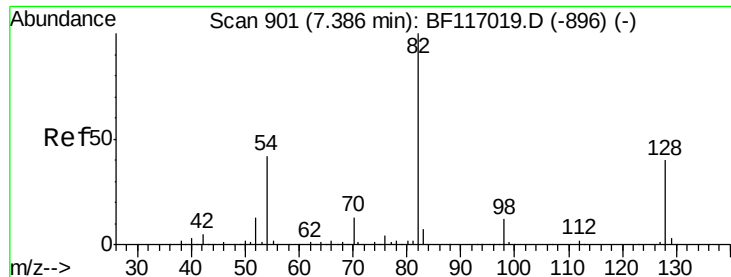
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#22
Acetophenone
Concen: 53.647 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.00 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		199361		
71	4.7		5.7	8.5#	
51	29.2		22.1	33.1	
120	19.1		17.1	25.7	





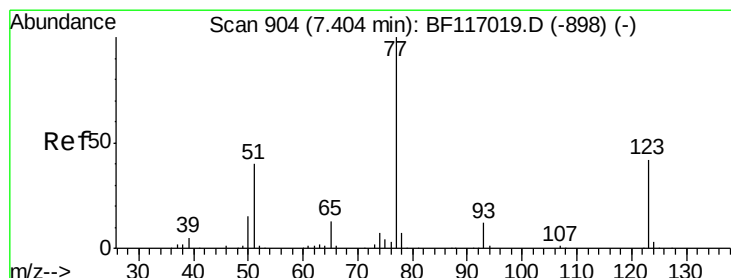
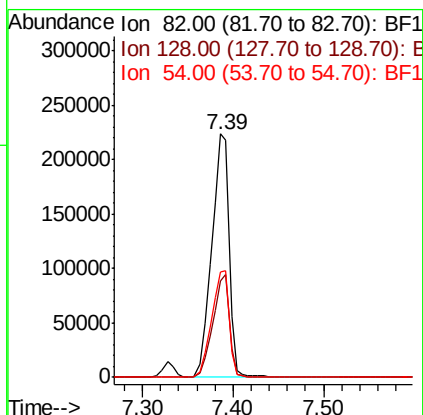
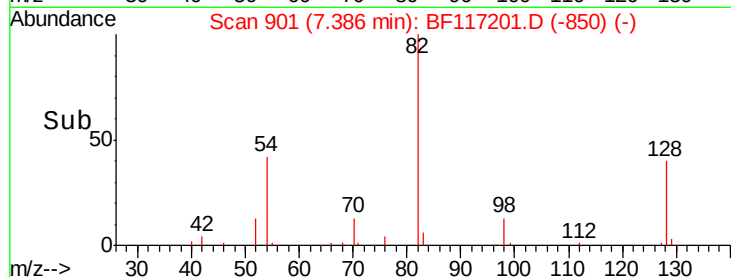
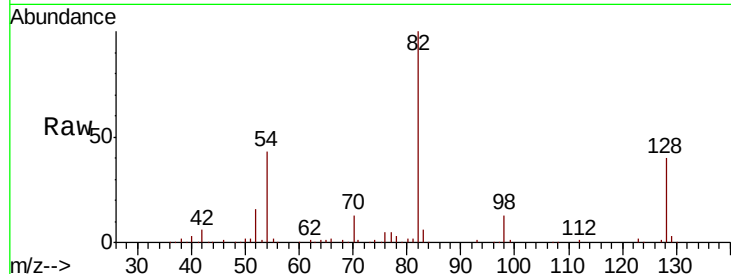
#23
 Nitrobenzene-d5
 Concen: 107.346 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091819MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	298827		
128	39.7		32.3	48.5
54	43.1		33.3	49.9

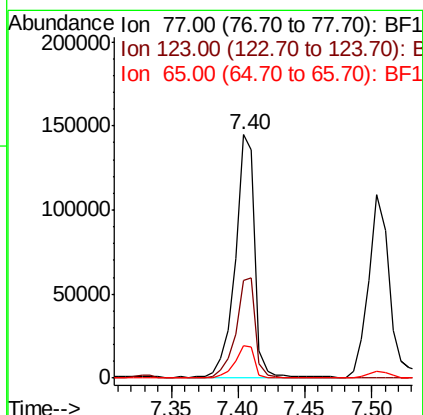
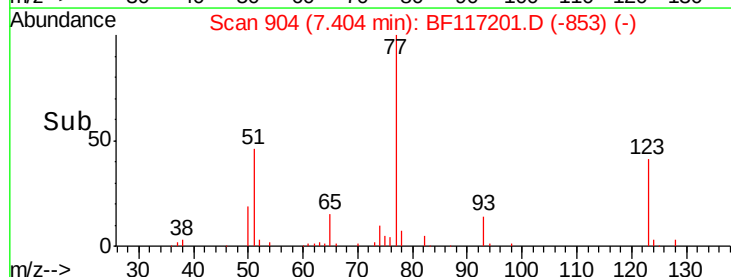
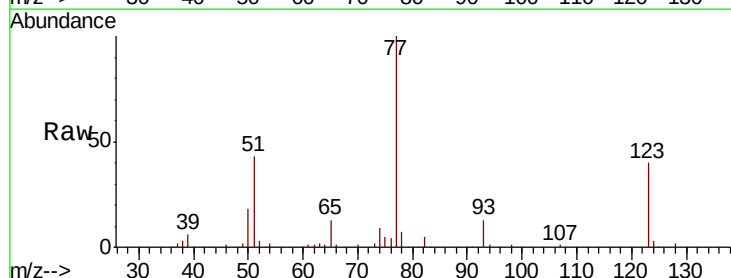
Manual Integrations
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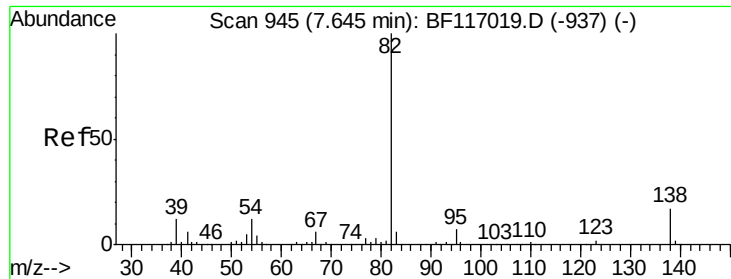
mohammad
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#24
 Nitrobenzene
 Concen: 53.642 ng
 RT: 7.40 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	147465		
123	40.3		33.5	50.3
65	13.4		10.5	15.7





#25

Isophorone

Concen: 53.961 ng

RT: 7.65 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Instrument :

BNA_F

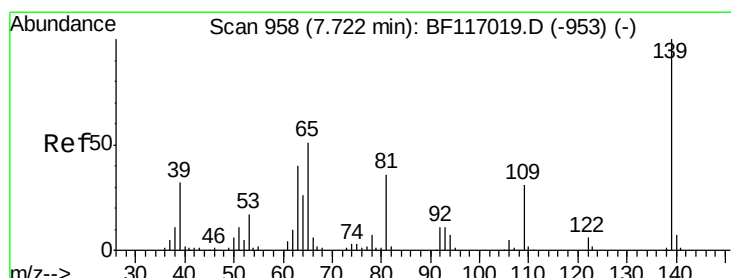
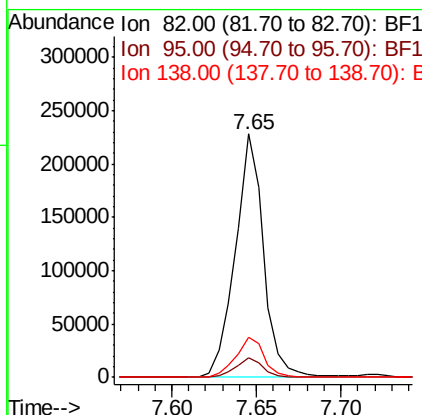
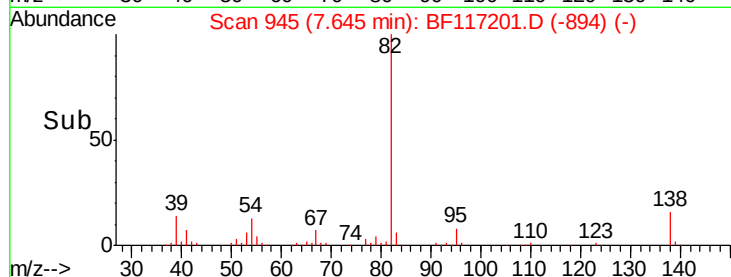
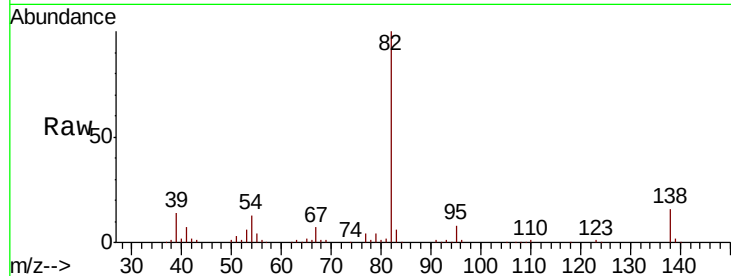
ClientSampleId :

CL-02-091819MSD

Tot Ion:	82	Resp:	265970
Ion Ratio		Lower	Upper
82	100		
95	7.8	5.8	8.6
138	16.4	13.5	20.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 54.274 ng

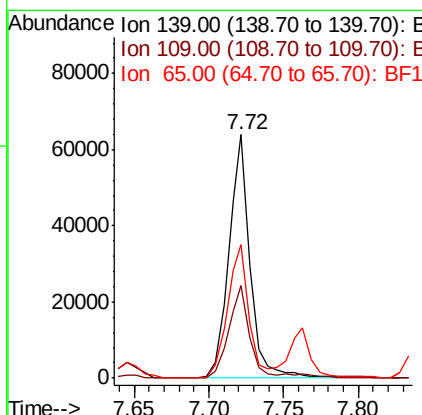
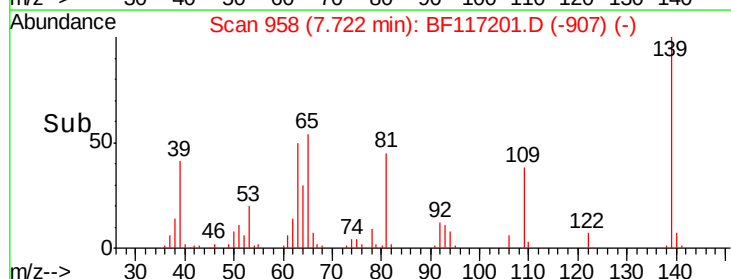
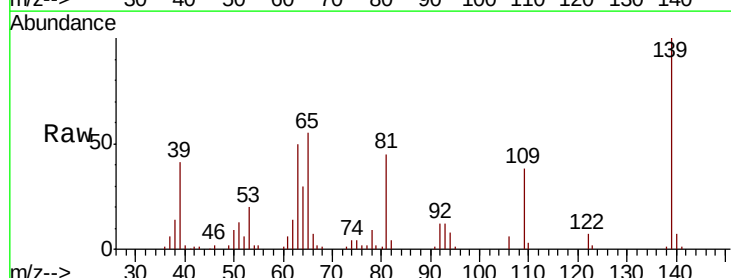
RT: 7.72 min Scan# 958

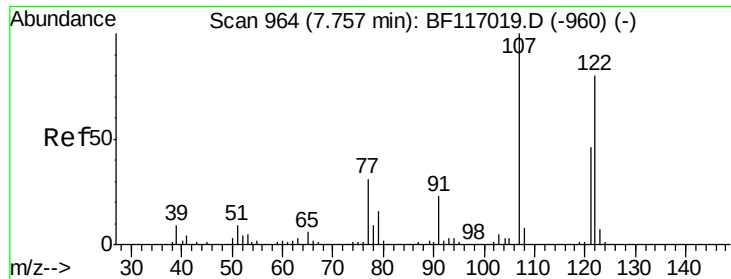
Delta R.T. 0.00 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Tgt Ion:	139	Resp:	64088
Ion Ratio		Lower	Upper
139	100		
109	38.1	24.6	36.8#
65	54.6	40.9	61.3





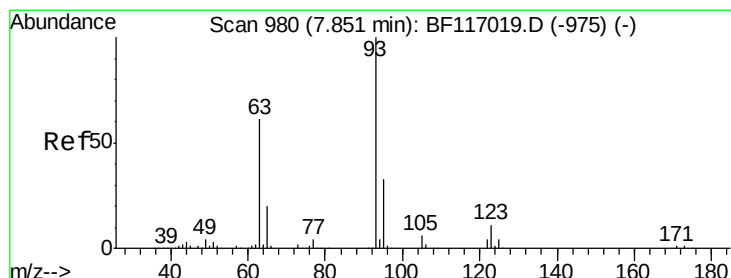
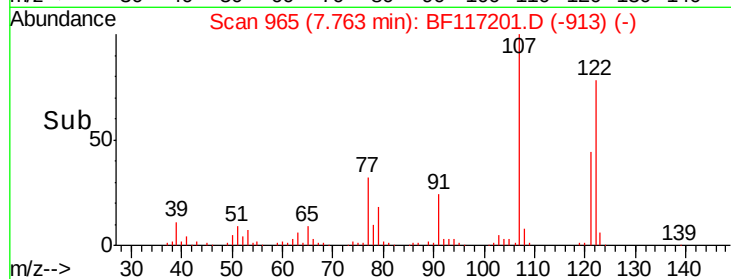
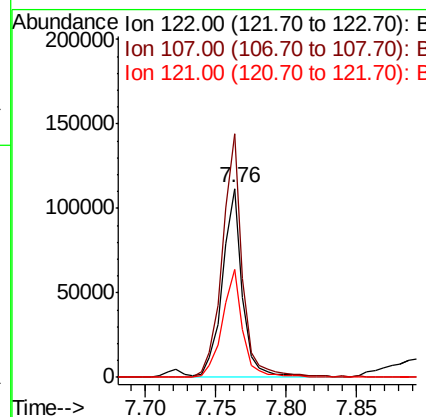
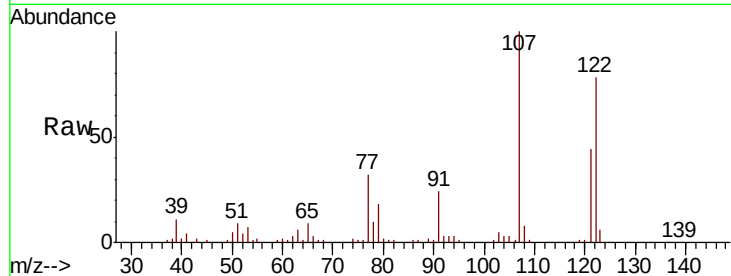
#27
2,4-Dimethylphenol
Concen: 58.243 ng
RT: 7.76 min Scan# 965
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	109064		
107	128.8	98.9	148.3	
121	57.1	45.3	67.9	

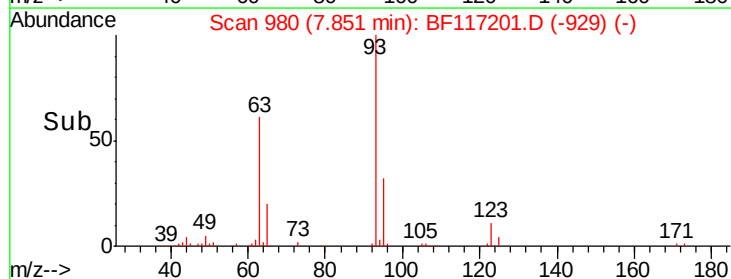
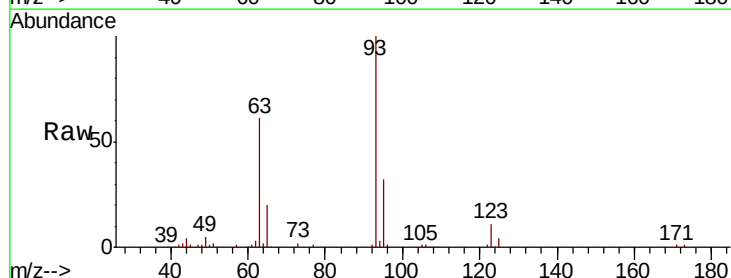
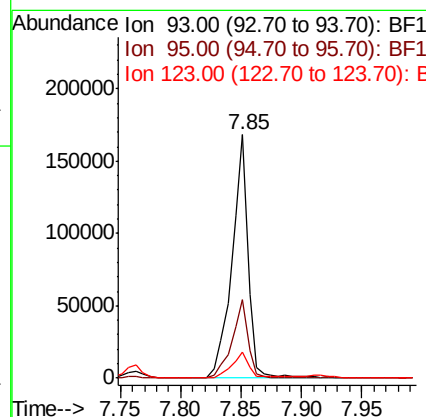
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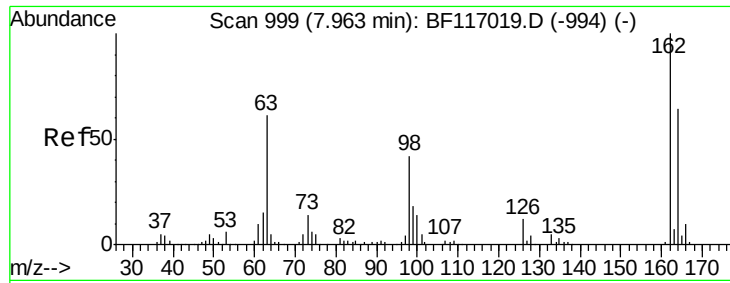
mohammad
9/24/2019 9:12:58 AM



#28
bis(2-Chloroethoxy)methane
Concen: 51.758 ng
RT: 7.85 min Scan# 980
Delta R.T. 0.00 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	157176		
95	32.1	26.2	39.4	
123	10.9	9.0	13.6	





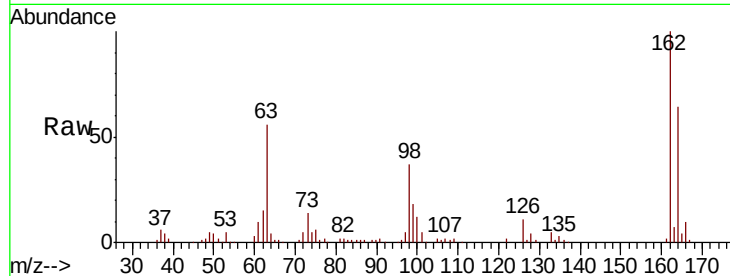
#29
 2,4-Dichlorophenol
 Concen: 53.738 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091819MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	105439		
164	63.9	43.8	83.8	
98	36.6	22.1	62.1	

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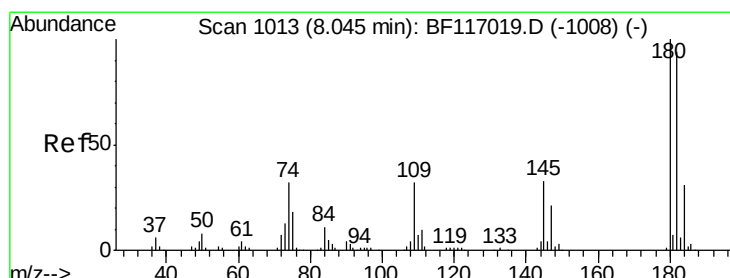
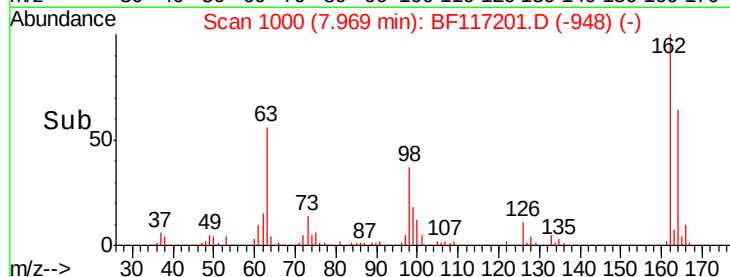
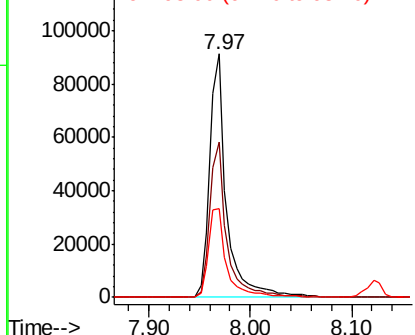


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 50.463 ng
 RT: 8.05 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

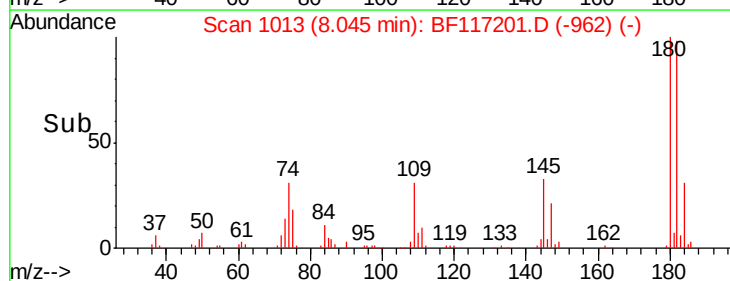
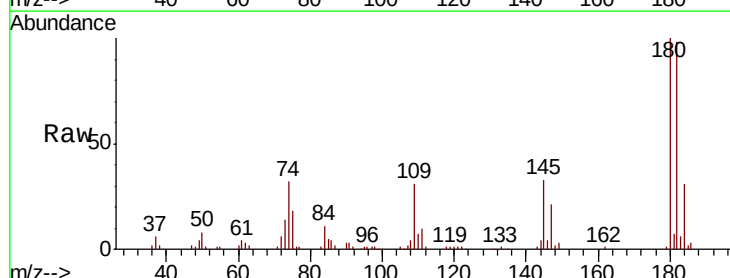
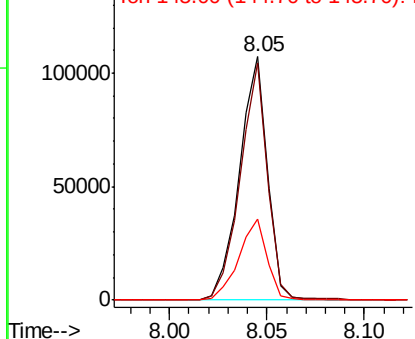
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	106971		
182	97.6	75.4	113.0	
145	33.4	26.7	40.1	

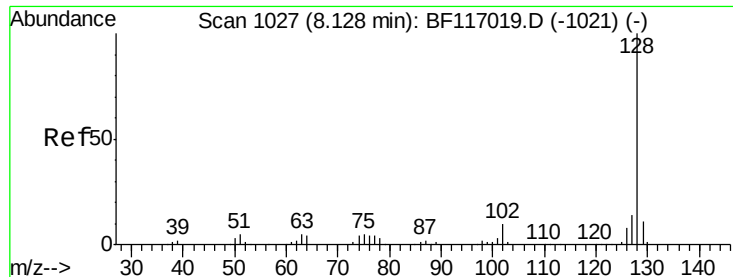
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





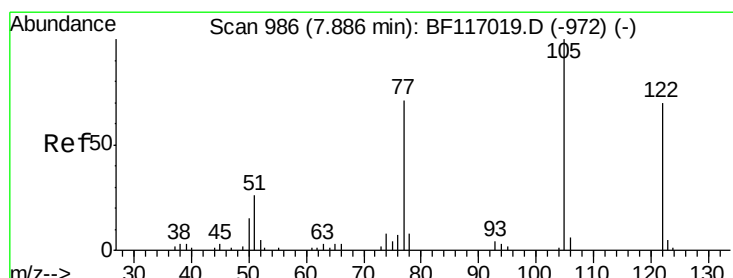
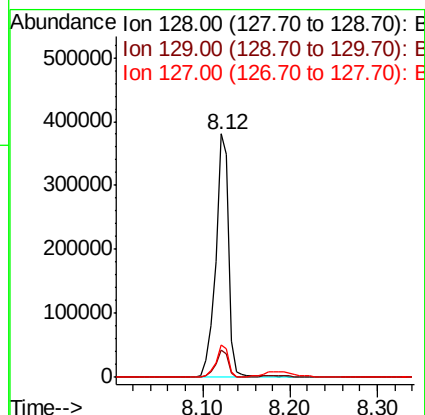
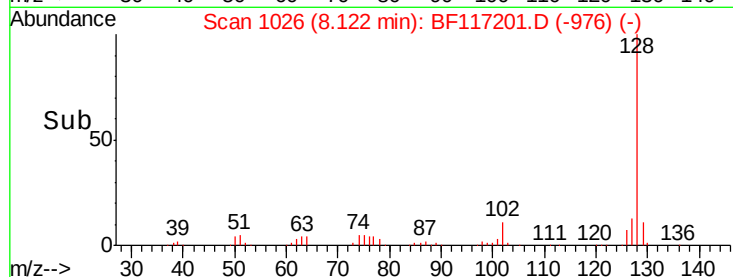
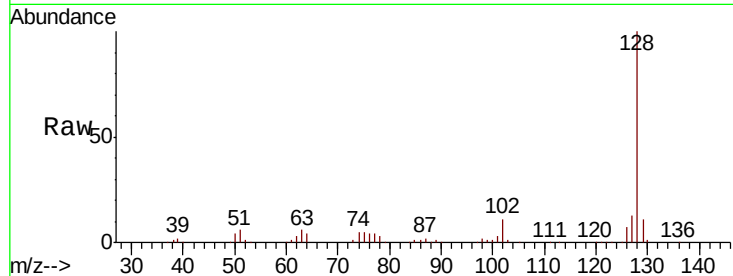
#31
Naphthalene
Concen: 55.893 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.1	10.8	16.2

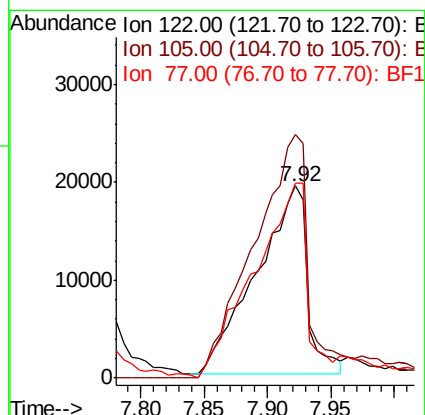
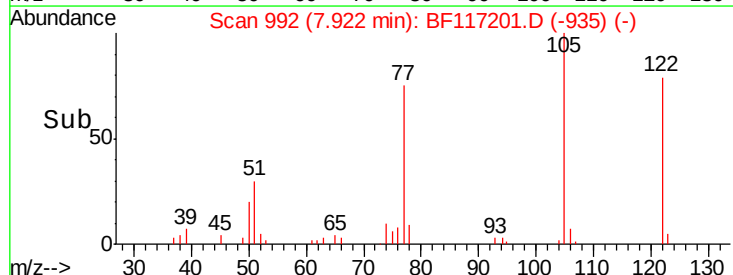
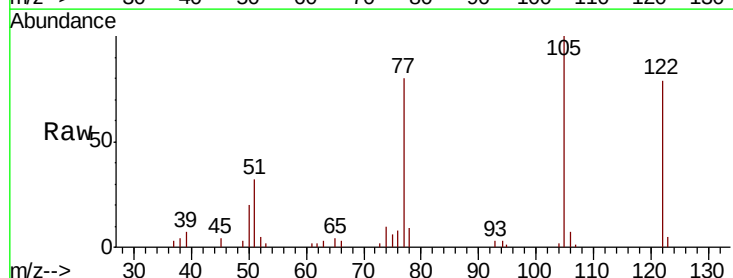
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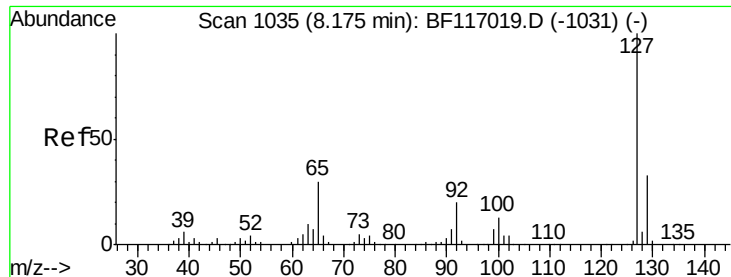
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#32
Benzoic acid
Concen: 39.570 ng
RT: 7.92 min Scan# 992
Delta R.T. 0.04 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Lower	Upper
122	100		
105	126.9	114.8	154.8
77	101.7	78.7	118.7





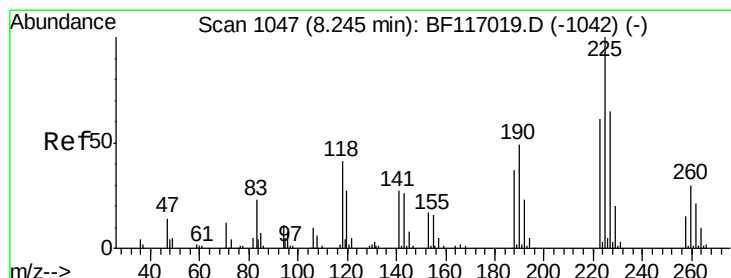
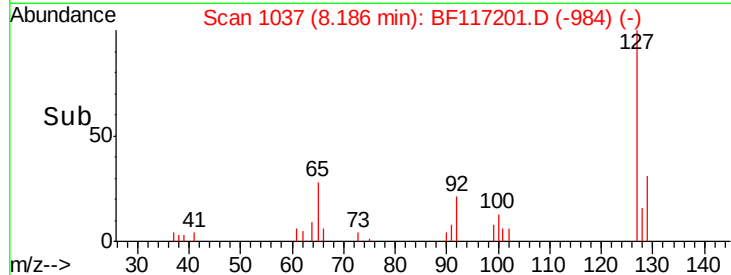
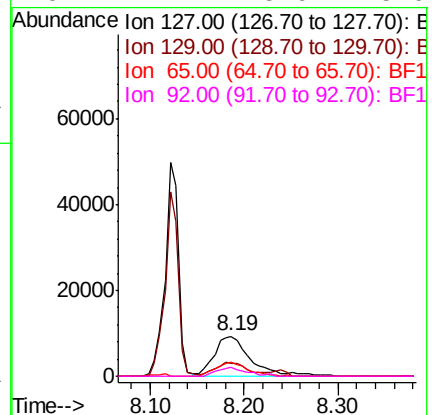
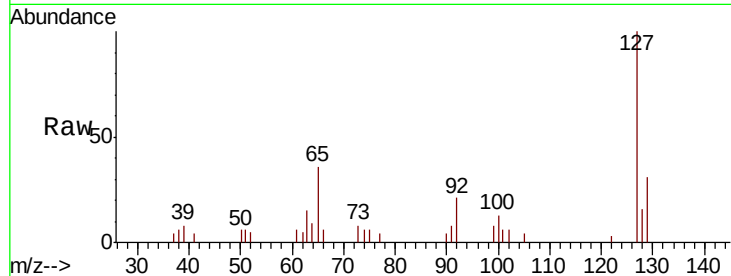
#33
4-Chloroaniline
Concen: 8.160 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	31.0	26.2	39.2
65	36.1	23.5	35.3
92	21.1	15.9	23.9

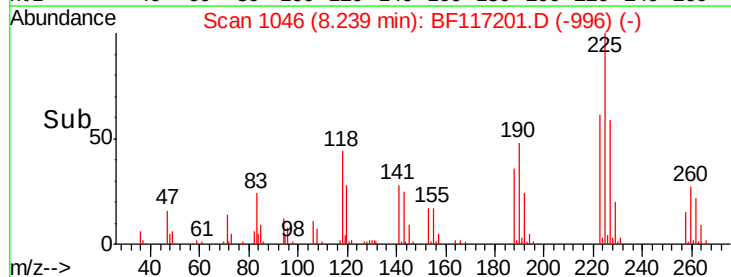
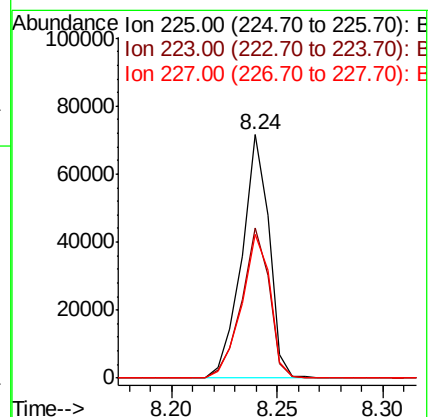
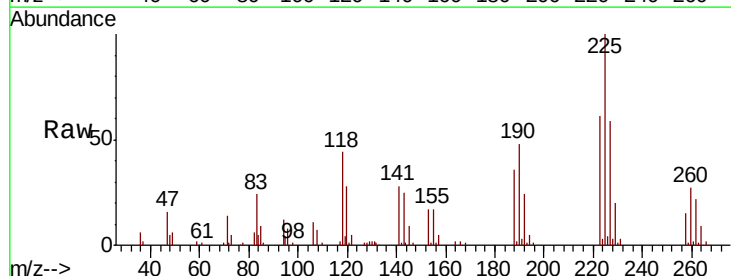
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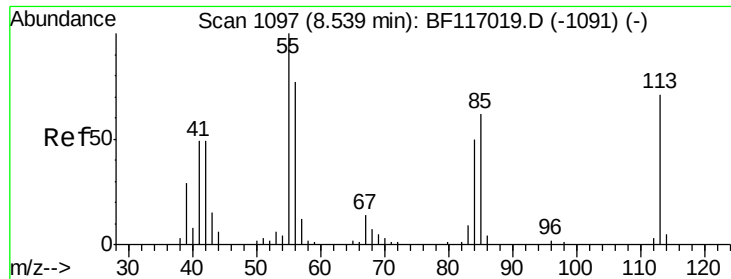
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#34
Hexachlorobutadiene
Concen: 53.152 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.1	73.7
227	59.2	52.2	78.2





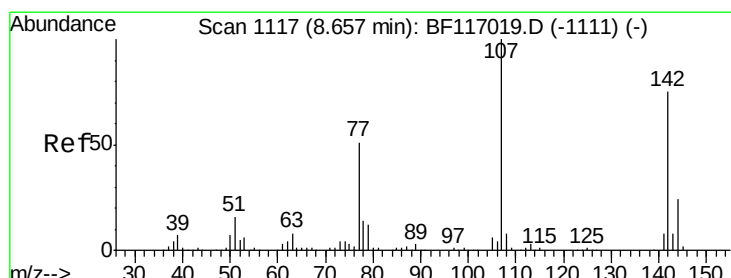
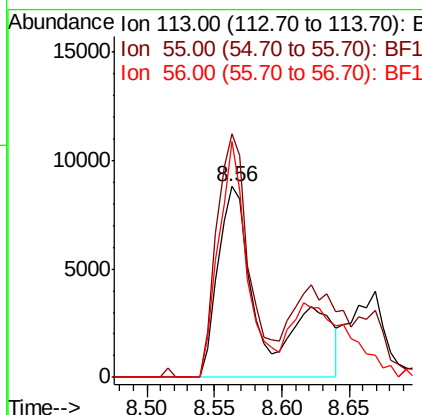
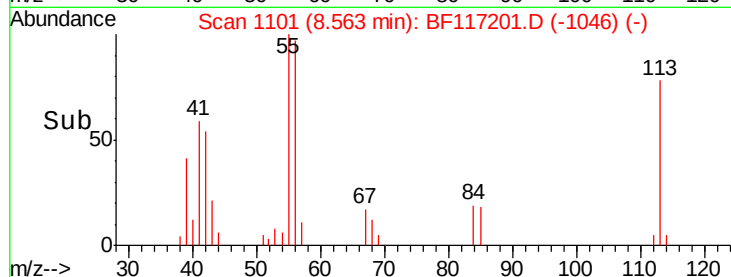
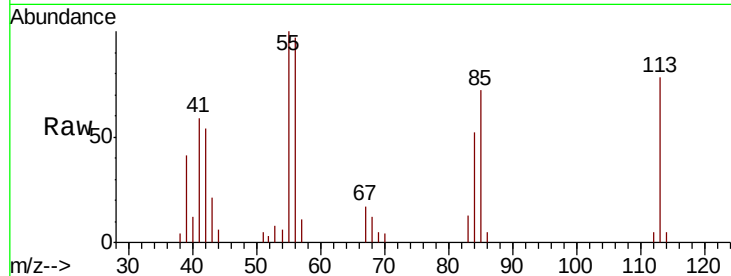
#35
 Caprolactam
 Concen: 31.809 ng/ml
 RT: 8.56 min Scan# 1101
 Delta R.T. 0.02 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	127.7	120.6	160.6
56	123.6	88.8	128.8

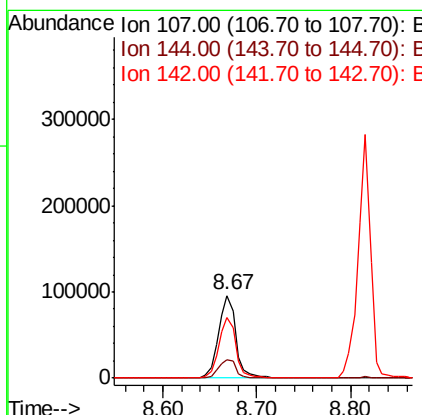
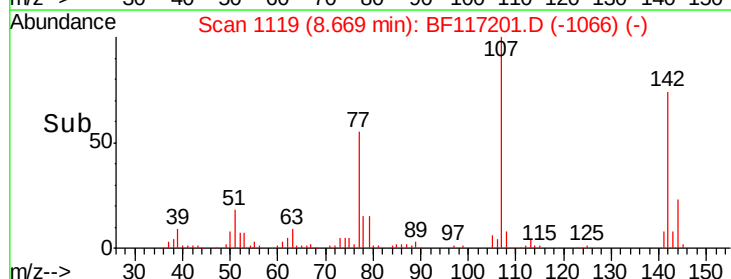
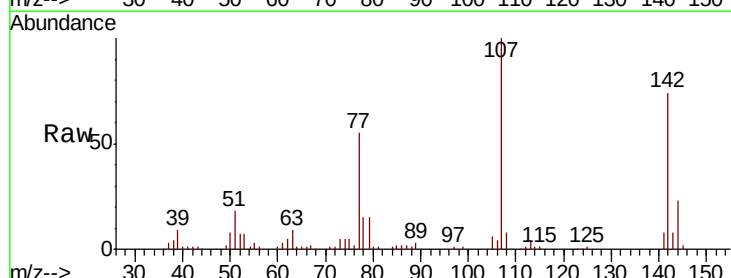
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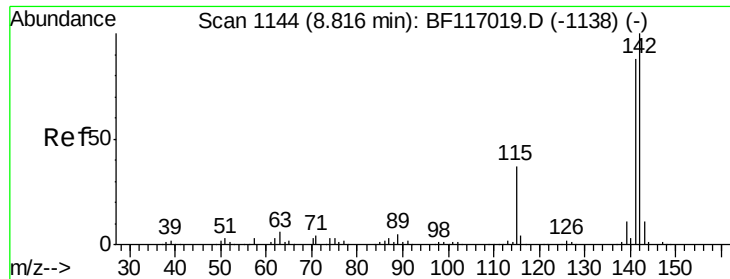
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#36
 4-Chloro-3-methylphenol
 Concen: 55.065 ng/ml
 RT: 8.67 min Scan# 1119
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.9	19.2	28.8
142	73.9	59.6	89.4





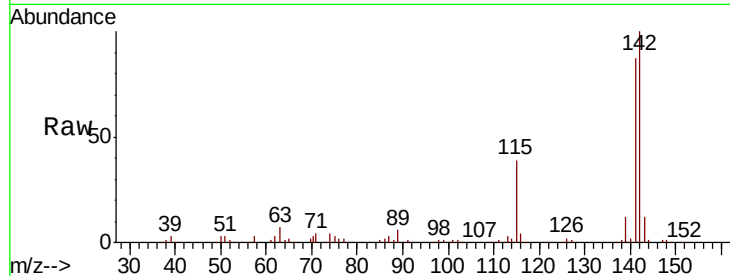
#37
2-Methylnaphthalene
Concen: 55.459 ng
RT: 8.82 min Scan# 1144
Delta R.T. 0.00 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.7	106.1
115	39.0	29.4	44.0

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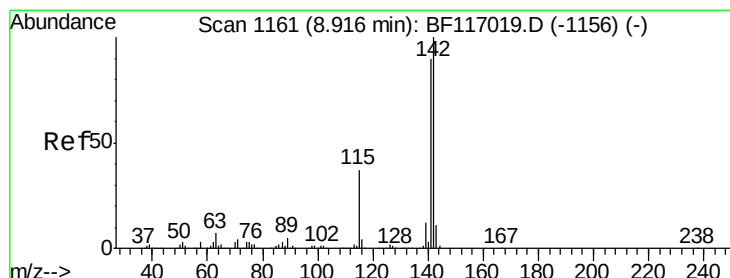
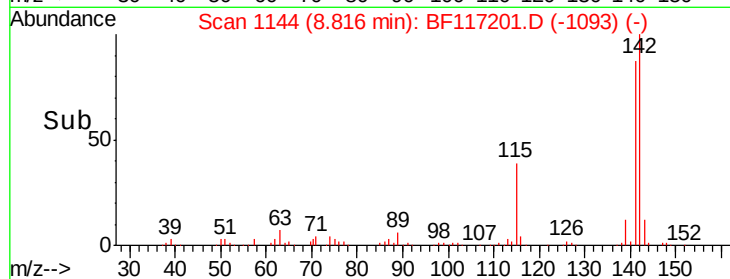
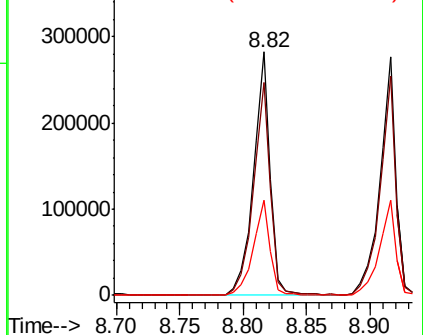


Abundance

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: 54.783 ng
RT: 8.92 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

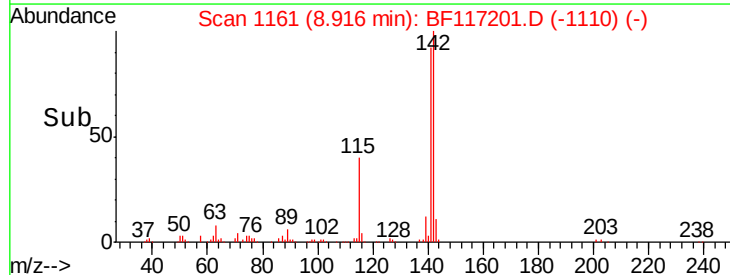
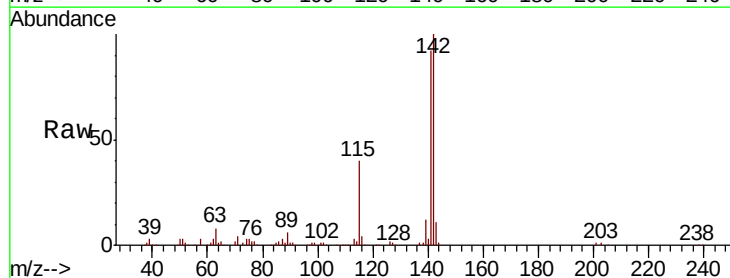
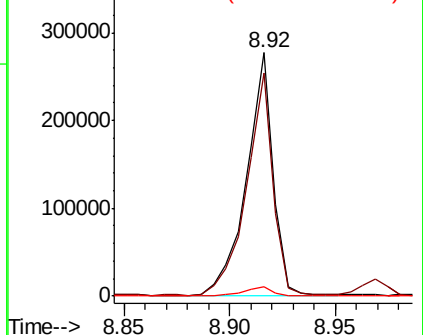
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	71.9	107.9
116	4.0	3.2	4.8

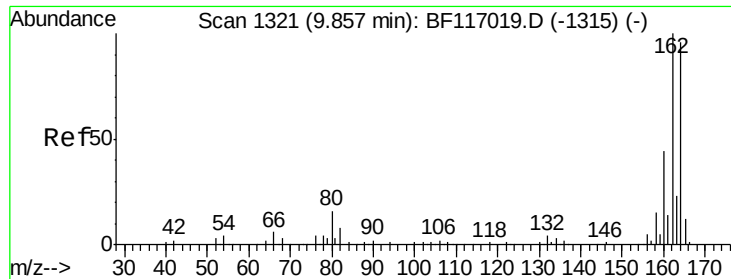
Abundance

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: 9.86 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Instrument :

BNA_F

ClientSampleId :

CL-02-091819MSD

Tot Ion:164 Resp: 79742

Ion Ratio Lower Upper

164 100

162 98.2 83.4 125.2

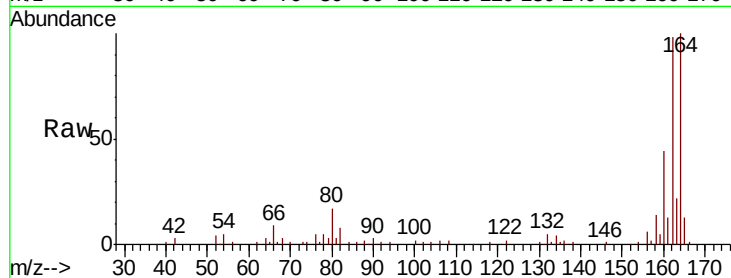
160 43.9 36.4 54.6

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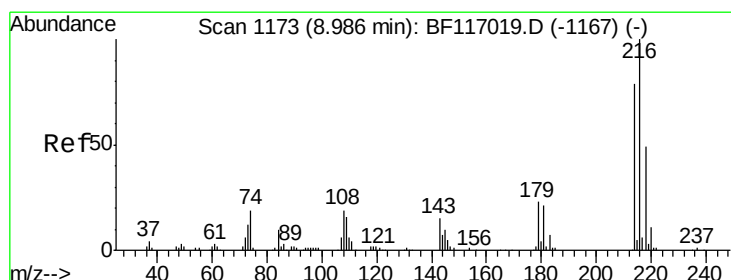
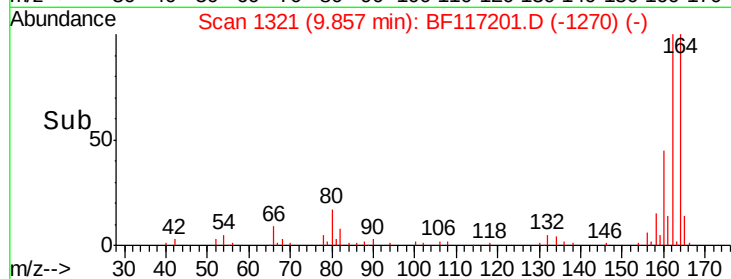
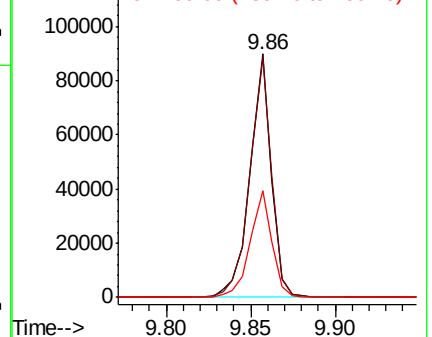


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.836 ng

RT: 8.99 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Tgt Ion:216 Resp: 106739

Ion Ratio Lower Upper

216 100

214 78.9 63.6 95.4

179 24.4 18.3 27.5

108 27.0 17.8 26.6#

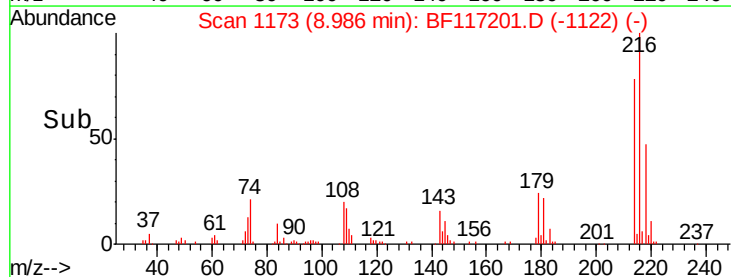
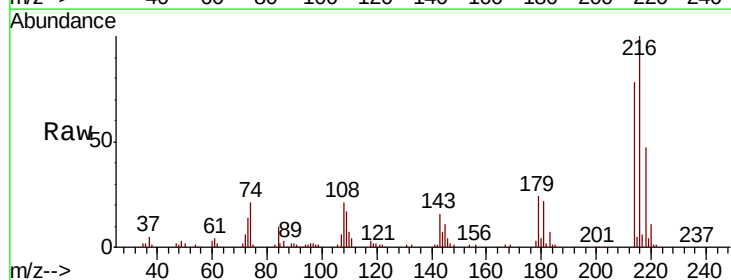
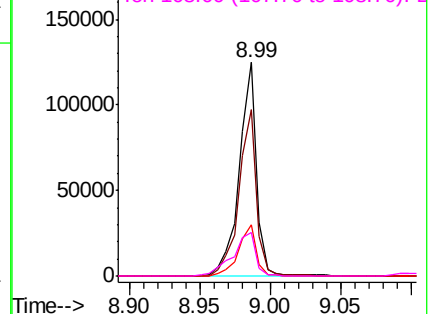
Abundance

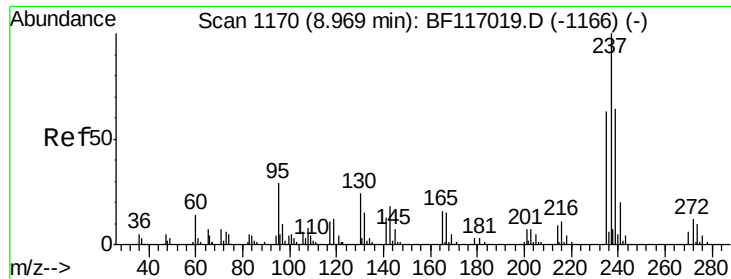
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





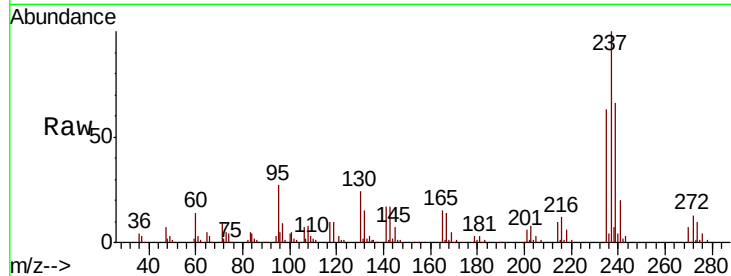
#41
Hexachlorocyclopentadiene
Concen: 114.341 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

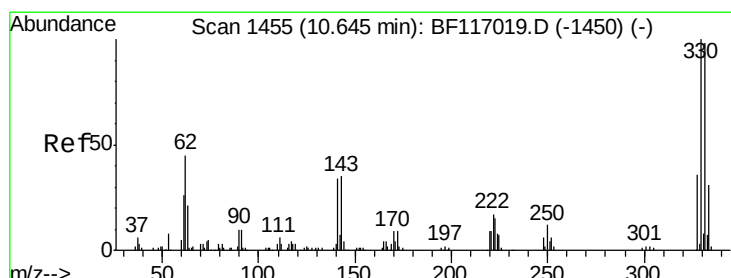
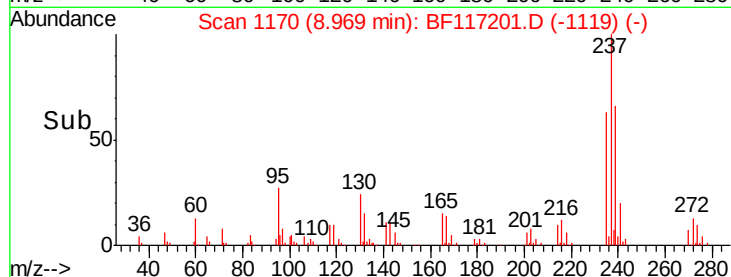
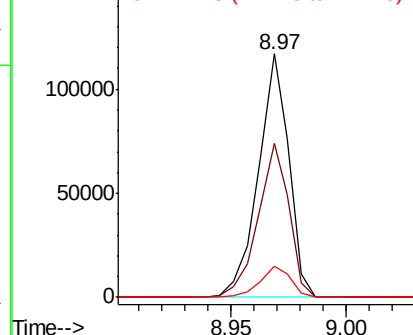
Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	63.3	43.2	83.2	
272	12.9	0.0	31.9	

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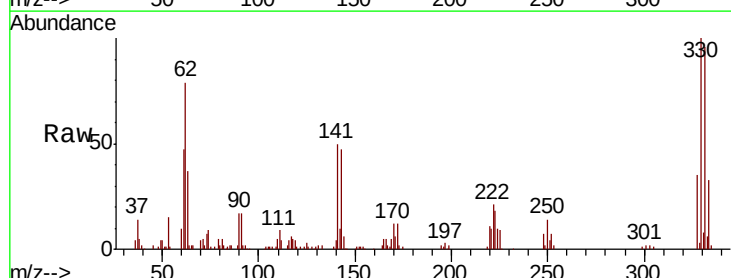


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

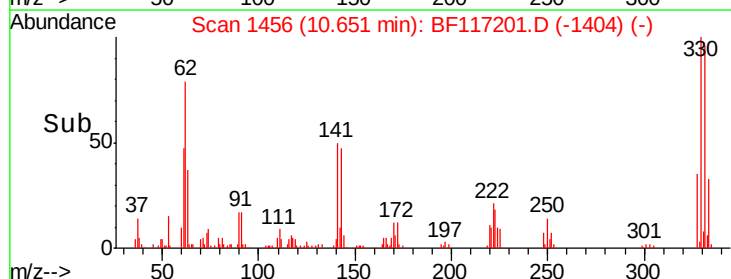
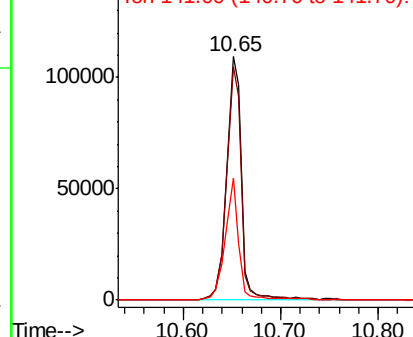


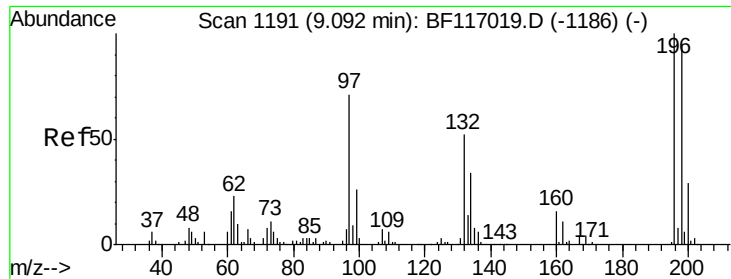
#42
2,4,6-Tribromophenol
Concen: 173.248 ng
RT: 10.65 min Scan# 1456
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	78.0	117.0	
141	45.0	35.8	53.6	



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





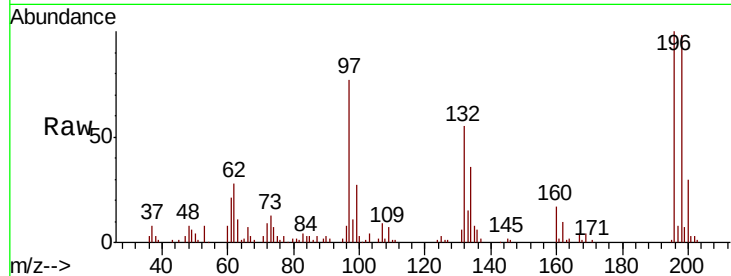
#43
 2,4,6-Trichlorophenol
 Concen: 51.049 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091819MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	71336		
198	98.2		75.7	113.5
200	30.1		23.3	34.9

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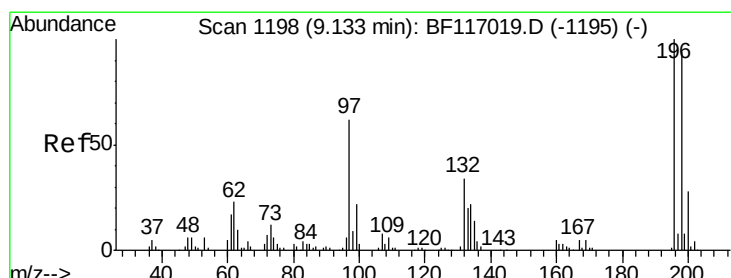
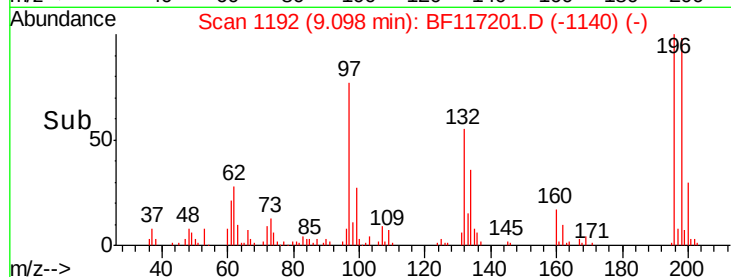
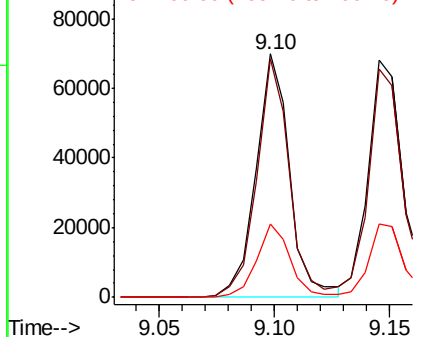


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 51.654 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	77119		
198	96.1		74.6	112.0
97	68.4		49.5	74.3
132	33.2		27.4	41.2

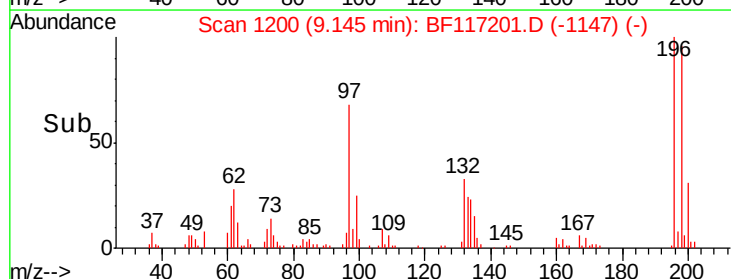
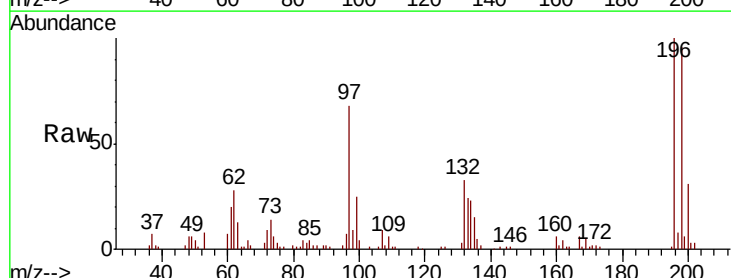
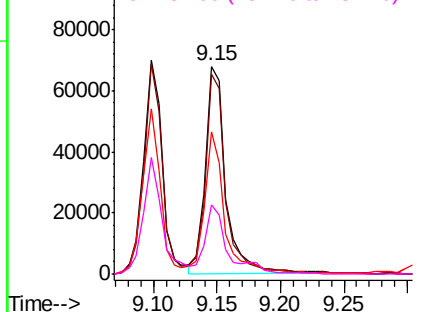
Abundance

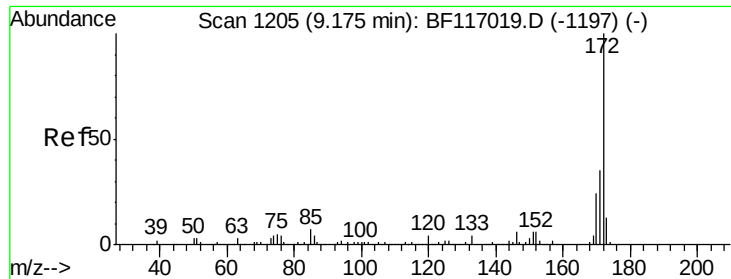
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





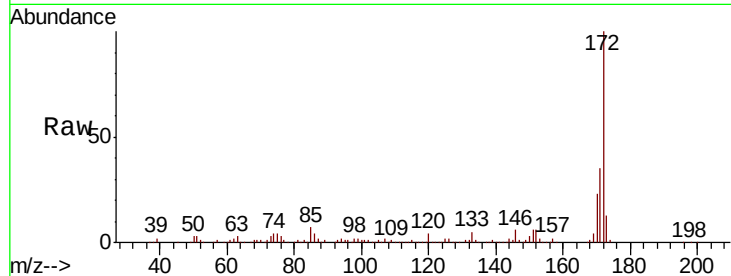
#45
2-Fluorobiphenyl
Concen: 109.287 ng
RT: 9.18 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ratio	Resp	Lower	Upper
172	100	557362		
171	34.6		28.2	42.2
170	23.1		18.9	28.3

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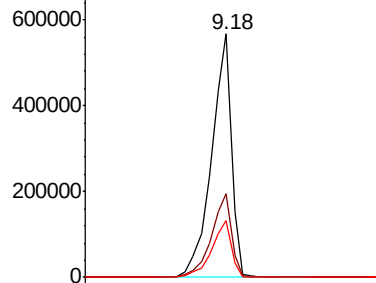


Abundance

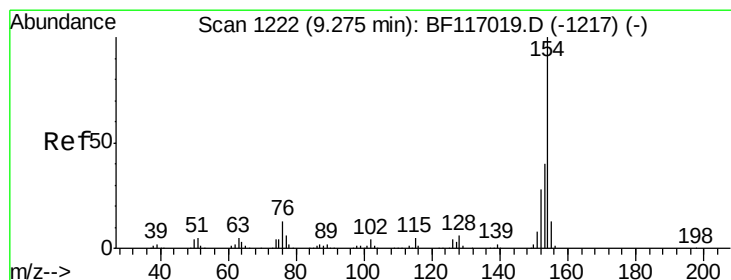
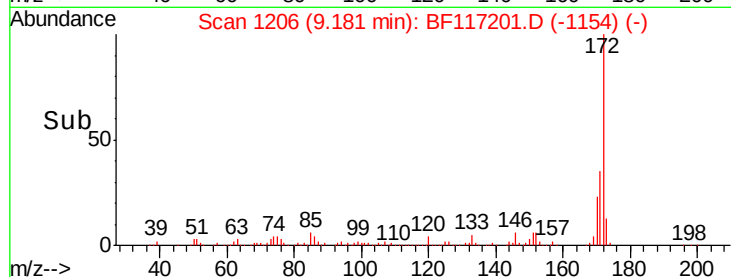
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

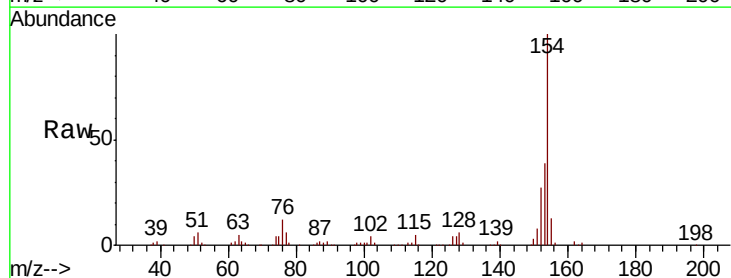


Time-->



#46
1,1'-Biphenyl
Concen: 51.106 ng
RT: 9.28 min Scan# 1223
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	319664		
153	39.5		20.0	60.0
76	11.9		0.0	32.7

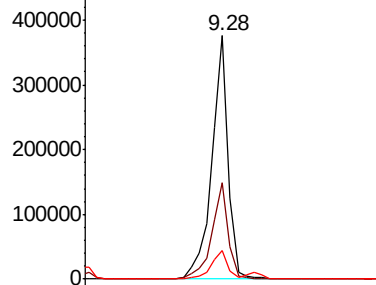


Abundance

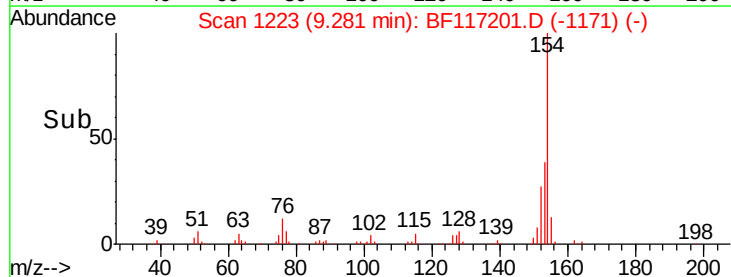
Ion 154.00 (153.70 to 154.70): E

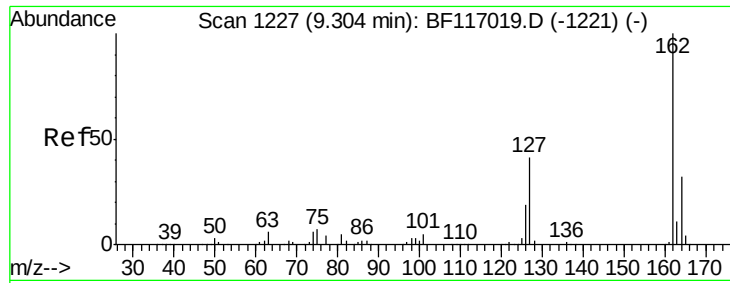
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



Time-->





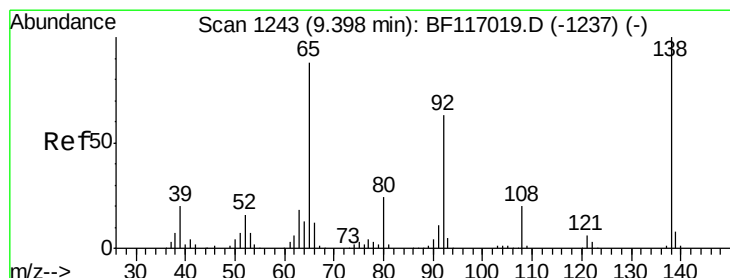
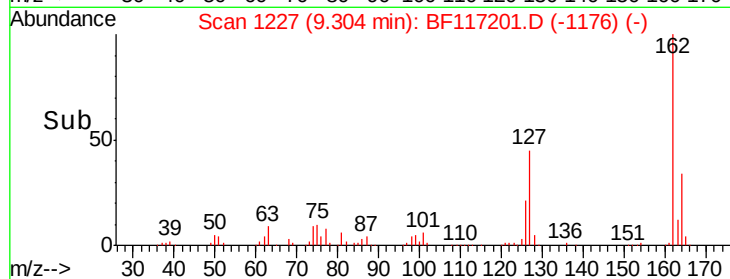
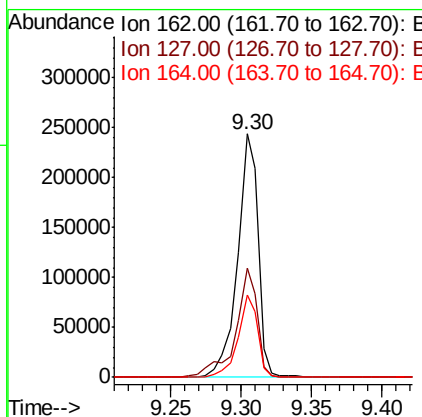
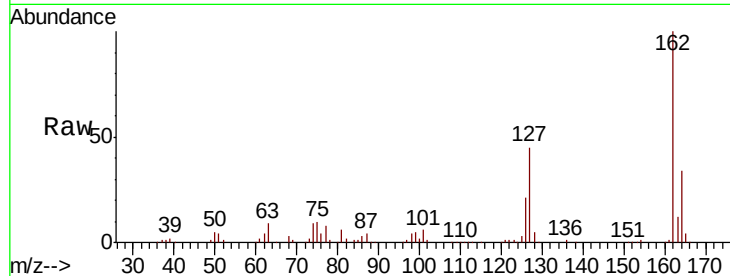
#47
2-Chloronaphthalene
Concen: 50.069 ng
RT: 9.30 min Scan# 1227
Delta R.T. 0.00 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		247164		
127	45.1		34.1	51.1	
164	33.6		25.9	38.9	

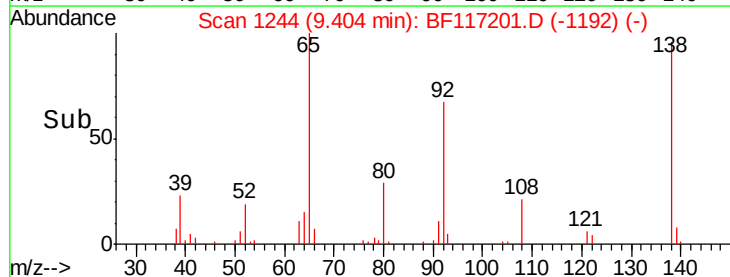
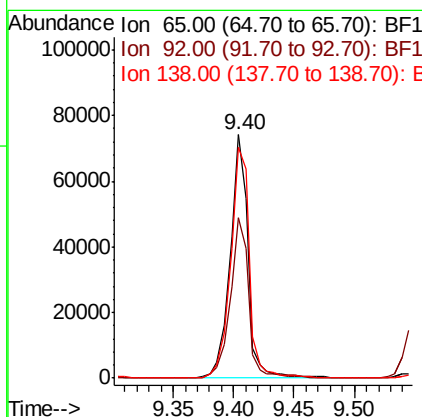
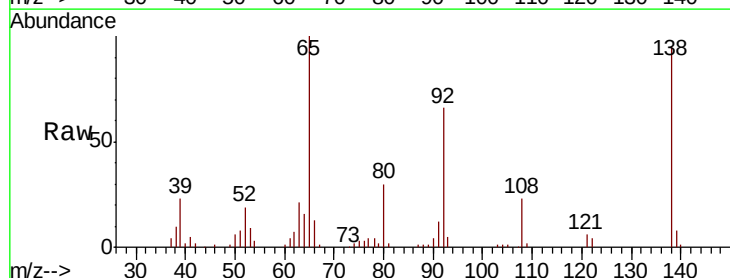
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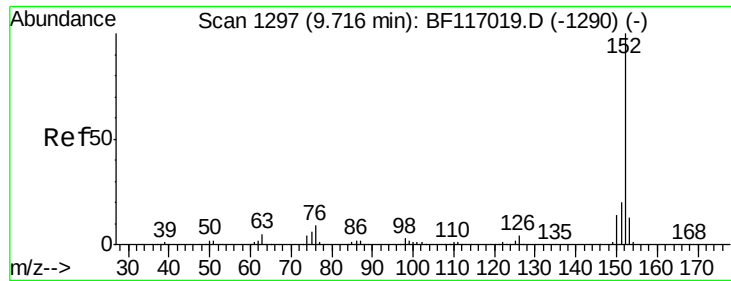
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#48
2-Nitroaniline
Concen: 48.273 ng
RT: 9.40 min Scan# 1244
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100		76435		
92	65.7		57.5	86.3	
138	94.9		90.6	136.0	





#49

Acenaphthylene

Concen: 51.997 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.01 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Instrument :

BNA_F

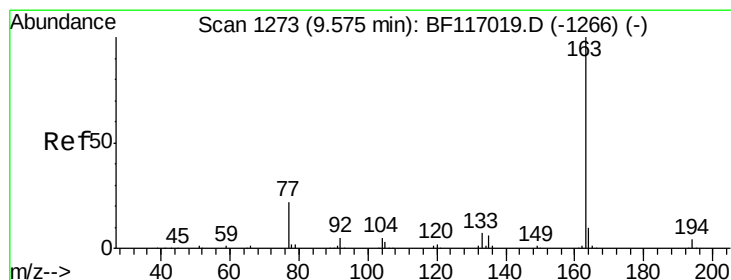
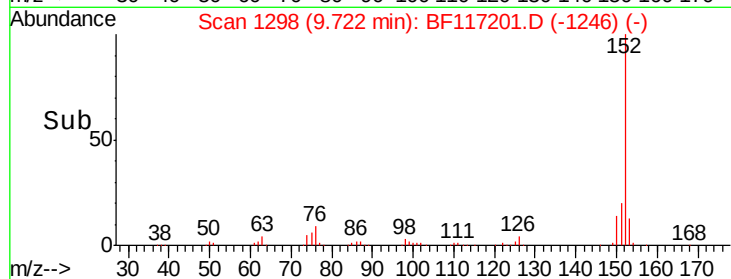
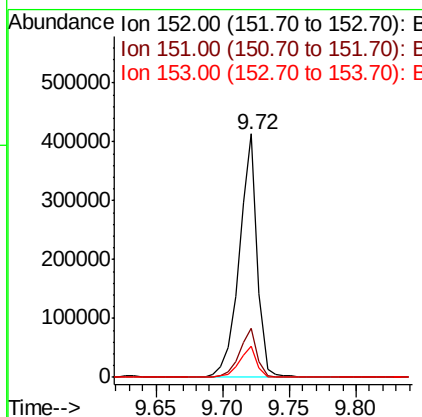
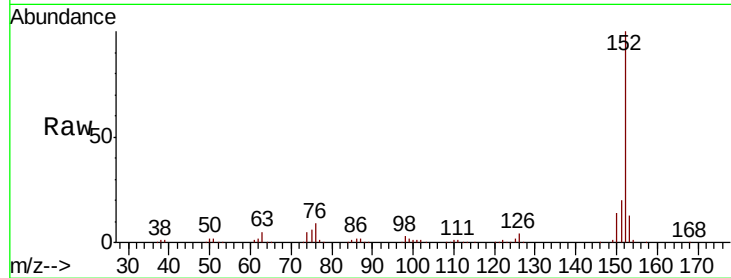
ClientSampleId :

CL-02-091819MSD

Tot Ion:	152	Resp:	384527
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.2
153	12.8	10.2	15.4

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#50

Dimethylphthalate

Concen: 53.872 ng

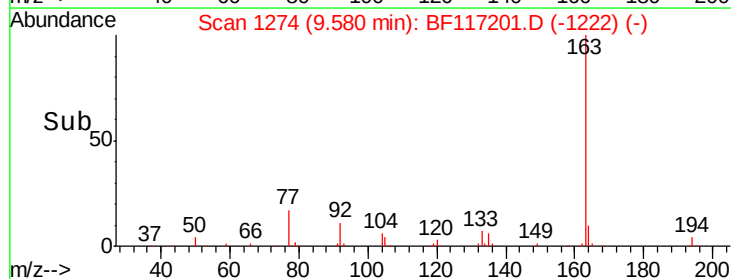
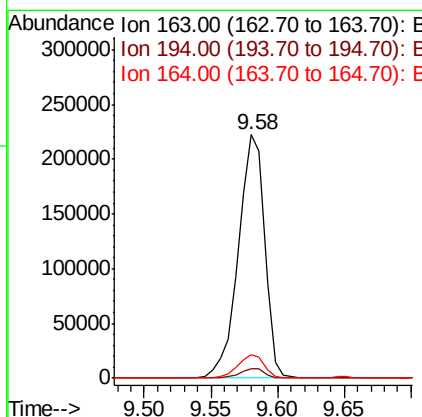
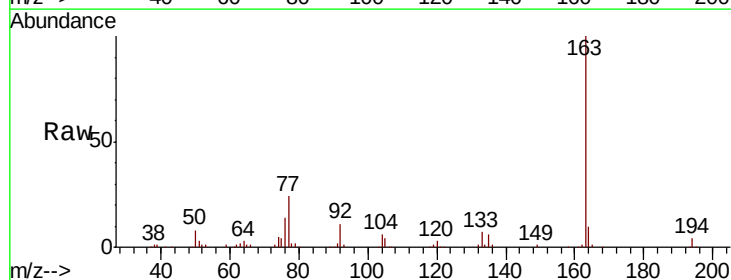
RT: 9.58 min Scan# 1274

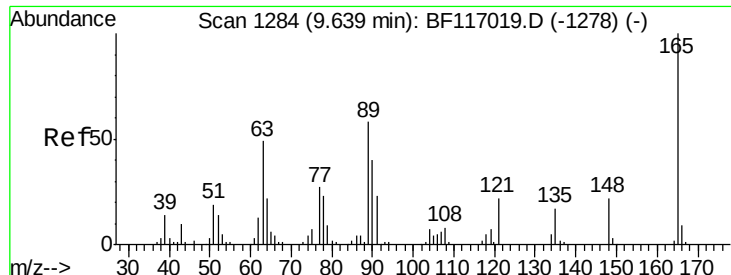
Delta R.T. 0.01 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Tgt Ion:	163	Resp:	304171
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.9	4.3
164	9.9	8.2	12.4





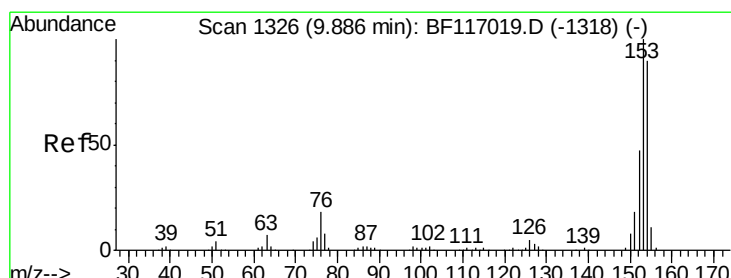
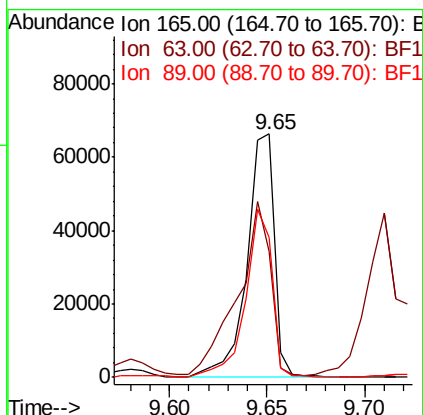
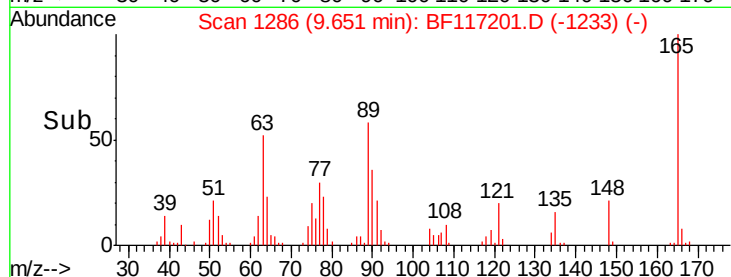
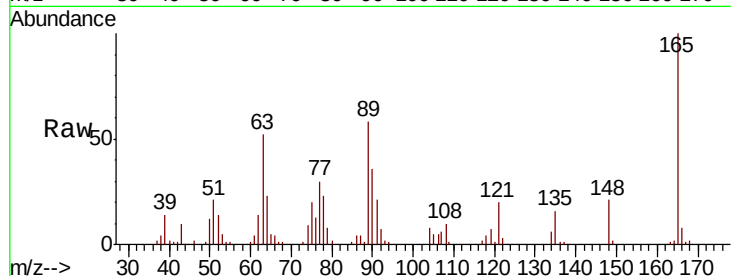
#51
 2,6-Dinitrotoluene
 Concen: 56.482 ng
 RT: 9.65 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091819MSD

Tot Ion:	165	Resp:	64951
Ion Ratio	Lower	Upper	
165	100		
63	51.9	41.8	62.8
89	57.6	46.5	69.7

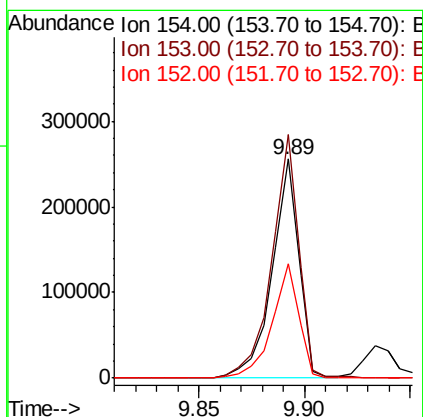
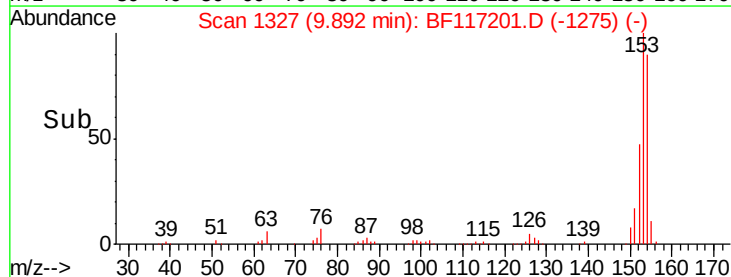
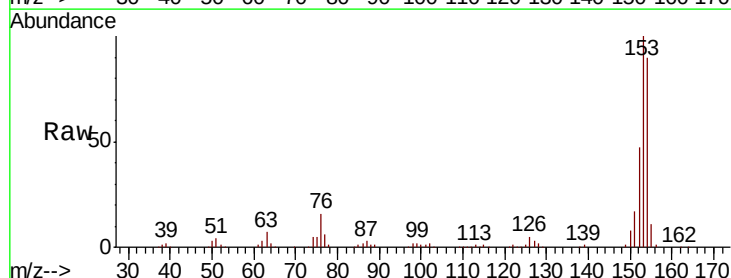
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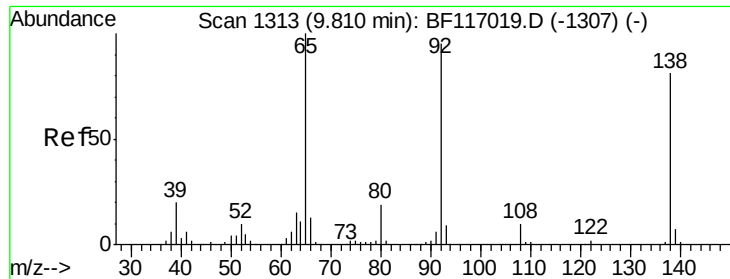
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#52
 Acenaphthene
 Concen: 51.514 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Tgt Ion:	154	Resp:	225825
Ion Ratio	Lower	Upper	
154	100		
153	111.2	89.0	133.6
152	52.4	41.9	62.9





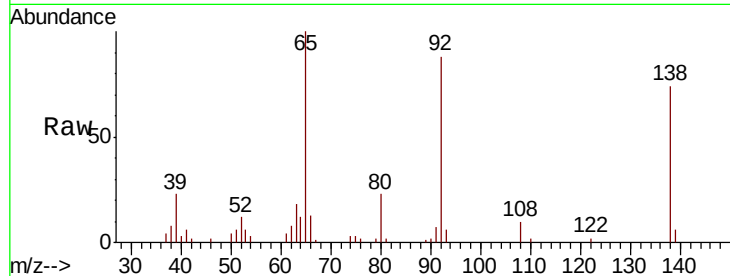
#53
3-Nitroaniline
Concen: 14.036 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.9	9.5	14.3
92	118.6	94.1	141.1

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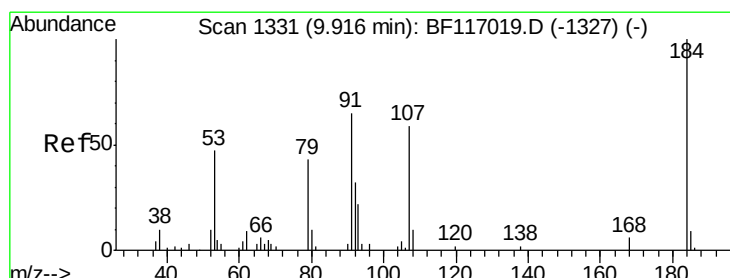
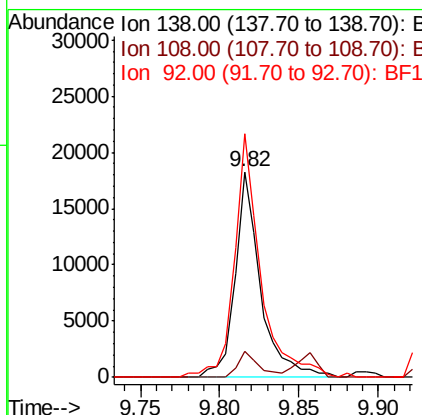
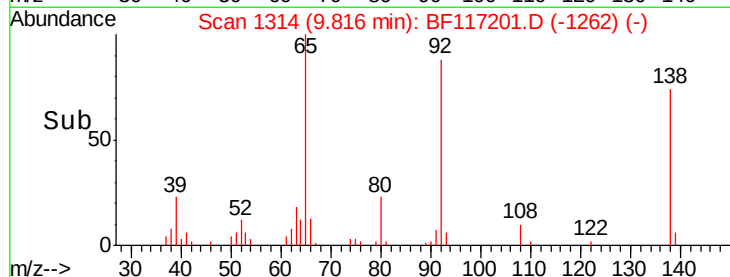


Abundance

Ion 138.00 (137.70 to 138.70): E

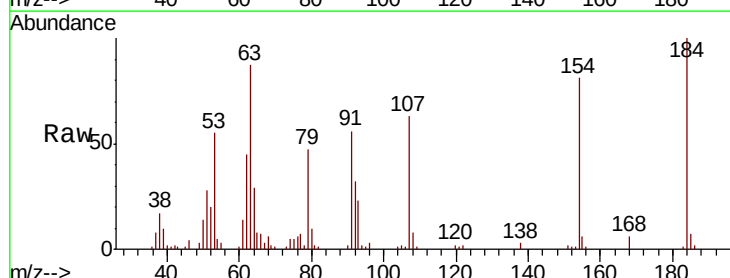
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 102.437 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.02 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Lower	Upper
184	100		
63	86.9	63.8	95.6
154	80.6	60.4	90.6

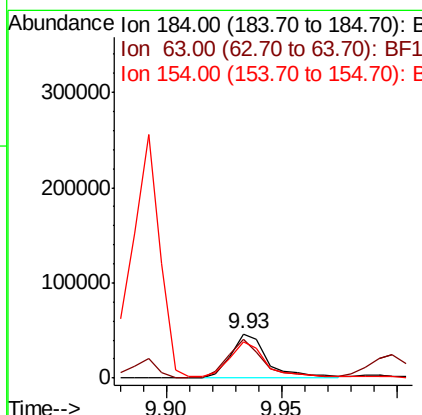
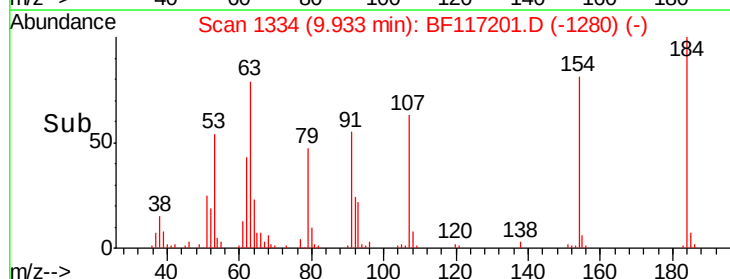


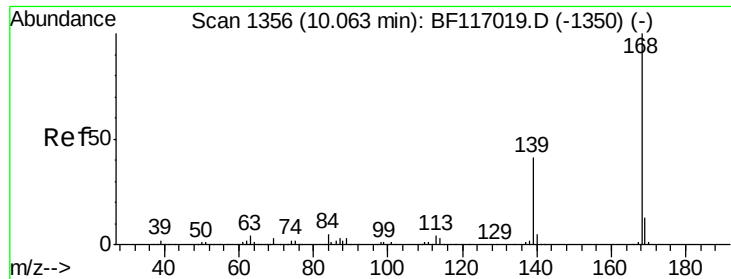
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





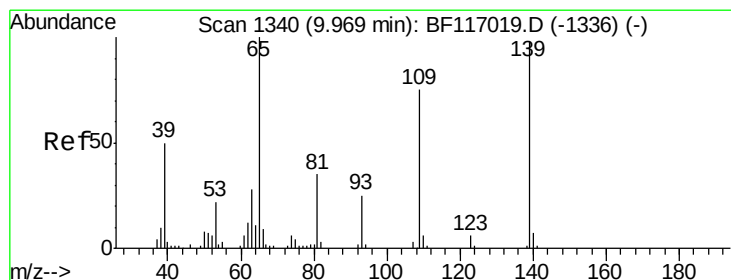
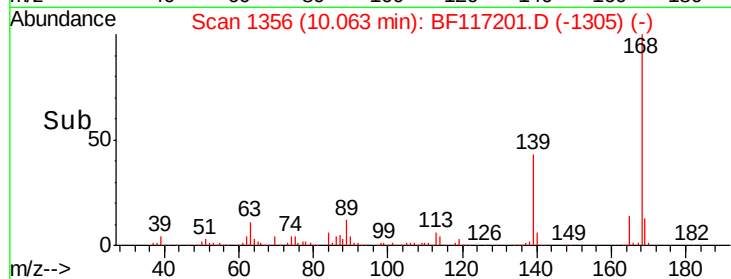
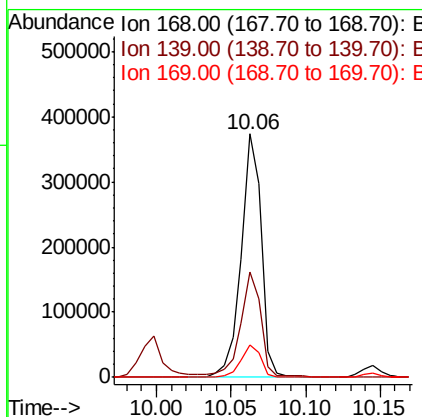
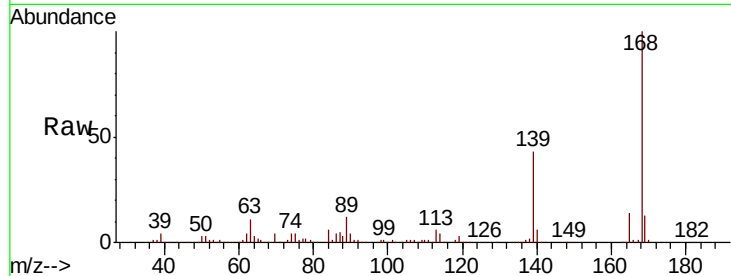
#55
Dibenzenofuran
Concen: 54.435 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.00 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	43.1	32.8	49.2
169	13.4	10.5	15.7

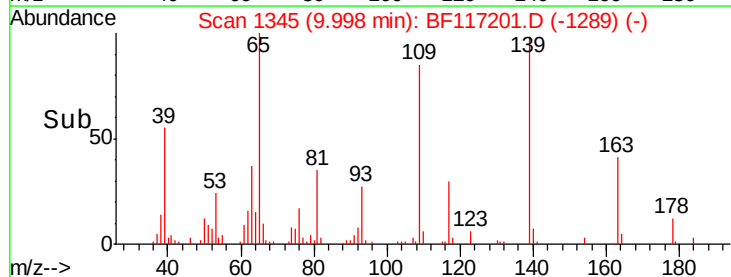
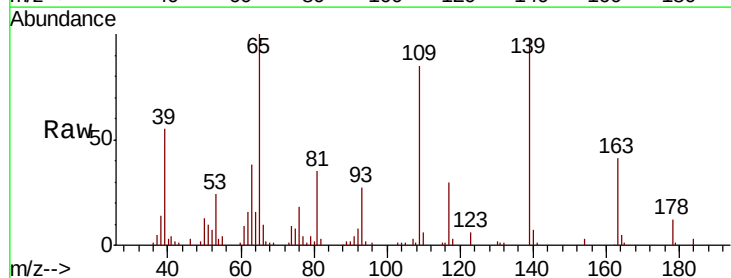
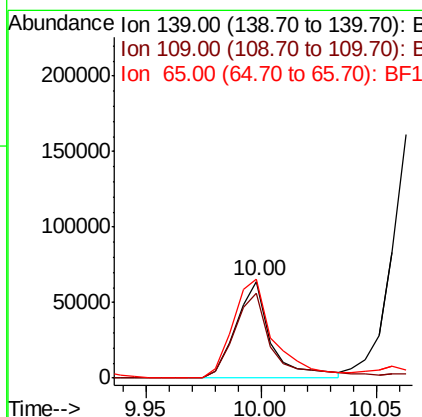
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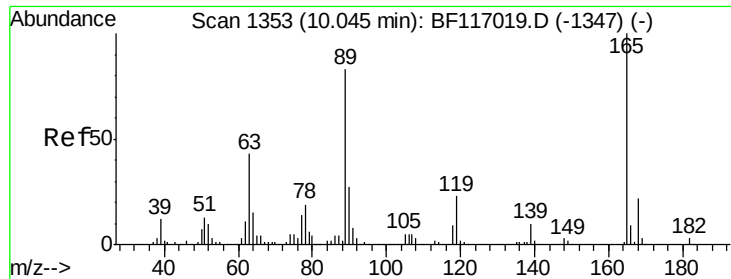
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#56
4-Nitrophenol
Concen: 72.665 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.03 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Lower	Upper
139	100		
109	87.3	56.4	96.4
65	102.2	82.5	122.5





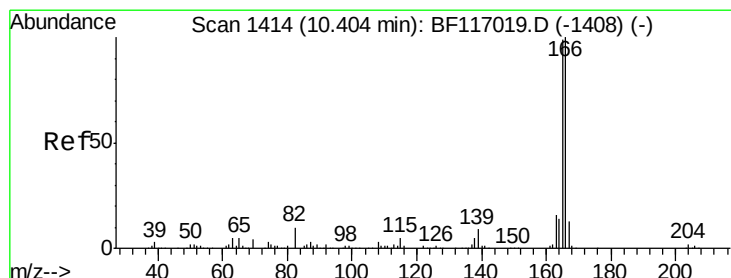
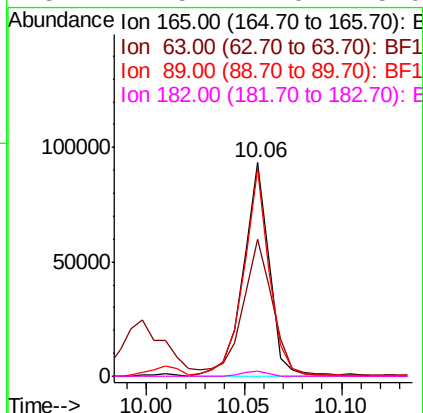
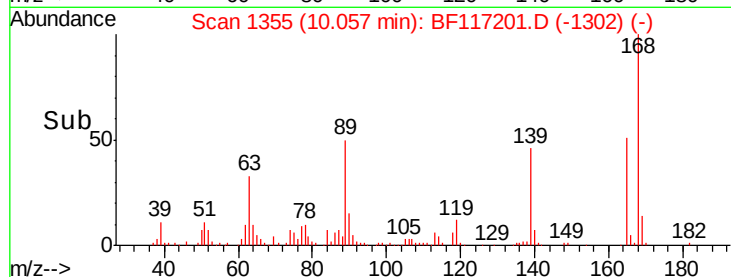
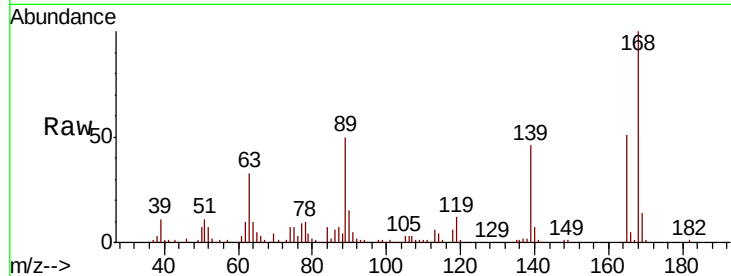
#57
 2,4-Dinitrotoluene
 Concen: 57.080 ng
 RT: 10.06 min Scan# 1355
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	64.4	35.0	52.4#
89	97.1	66.1	99.1
182	2.5	2.0	3.0

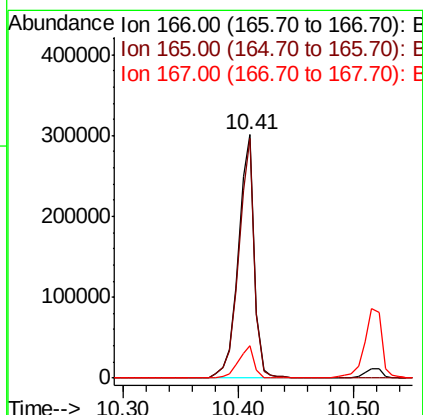
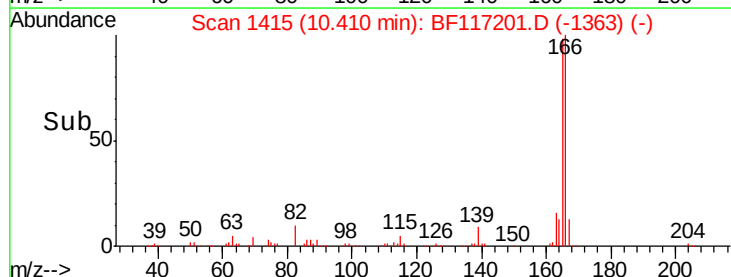
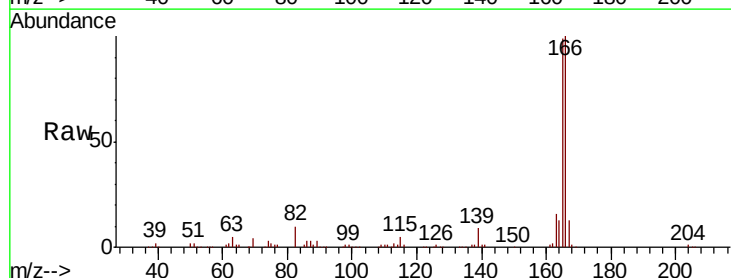
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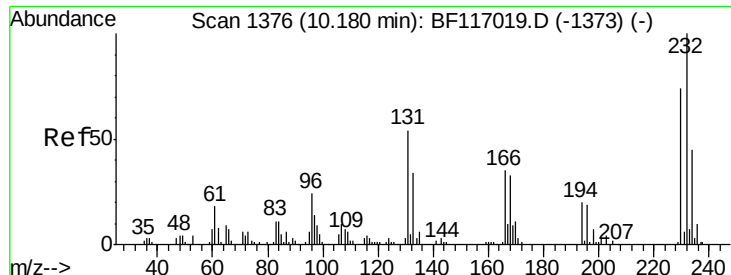
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#58
 Fluorene
 Concen: 55.285 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.9	118.3
167	13.3	10.6	15.8





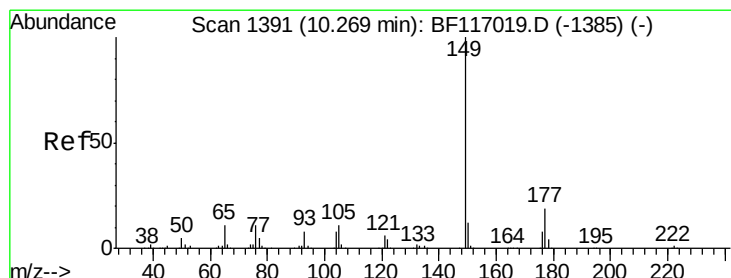
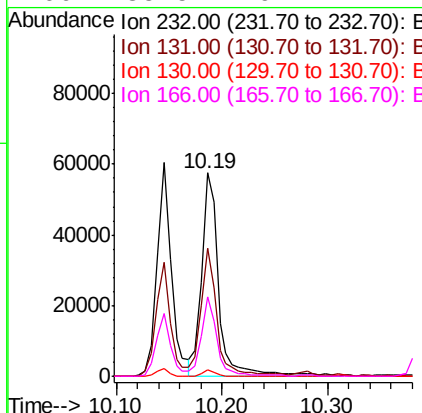
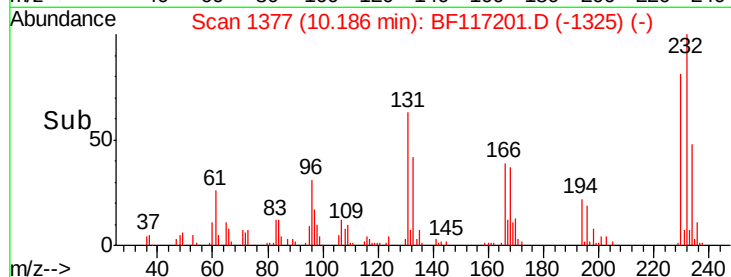
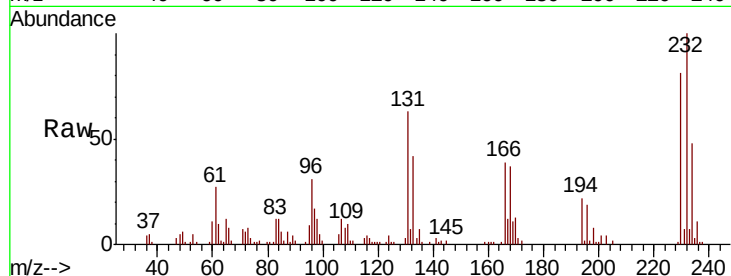
#59
2,3,4,6-Tetrachlorophenol
Concen: 56.373 ng
RT: 10.19 min Scan# 1377
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion:	232	Resp:	64407
Ion Ratio	Lower	Upper	
232	100		
131	56.0	45.3	67.9
130	2.4	1.8	2.8
166	35.5	29.4	44.2

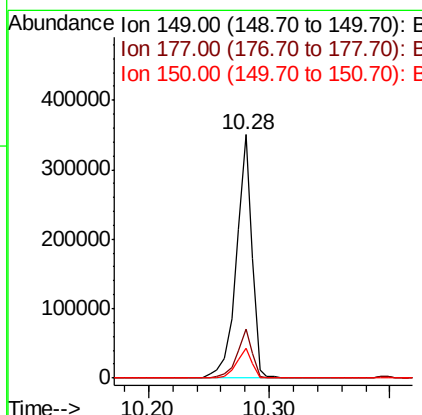
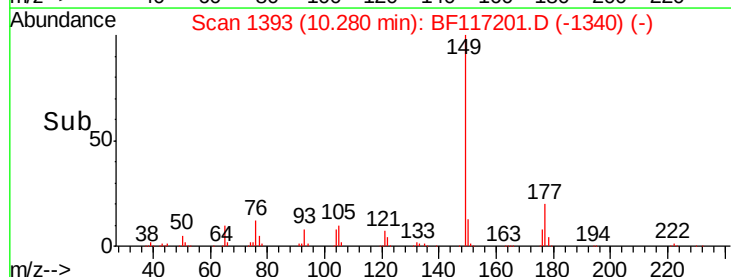
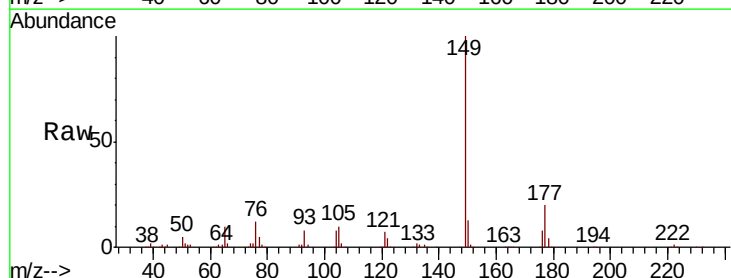
Manual Integrations
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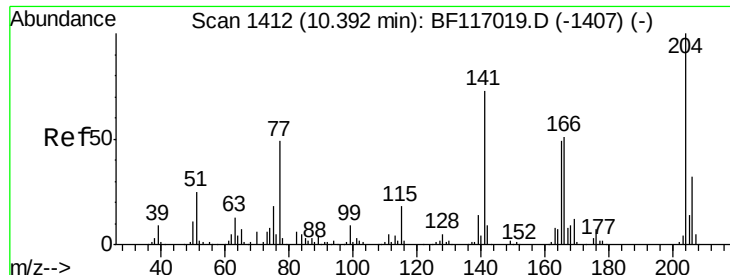
mohammad
9/24/2019 9:12:58 AM



#60
Diethylphthalate
Concen: 56.426 ng
RT: 10.28 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion:	149	Resp:	313437
Ion Ratio	Lower	Upper	
149	100		
177	20.1	15.2	22.8
150	12.5	9.9	14.9





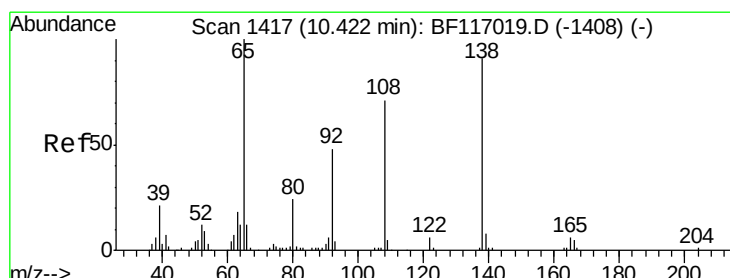
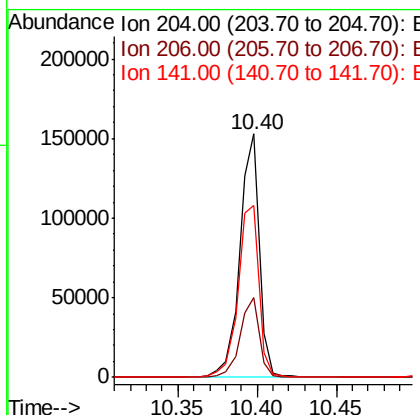
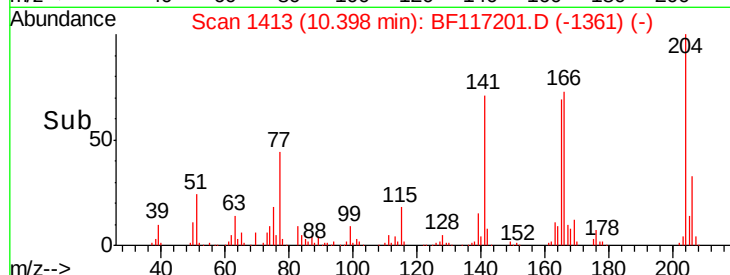
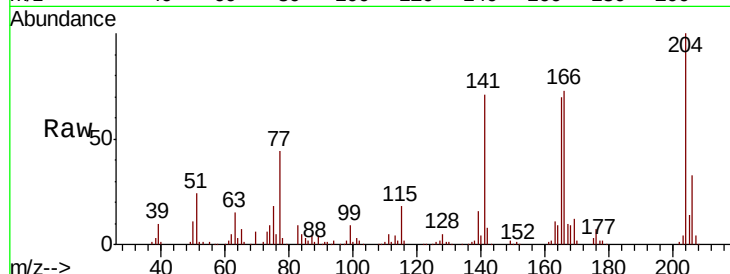
#61
4-Chlorophenyl-phenylether
Concen: 57.863 ng
RT: 10.40 min Scan# 1413
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.0	39.0
141	70.6	58.2	87.2

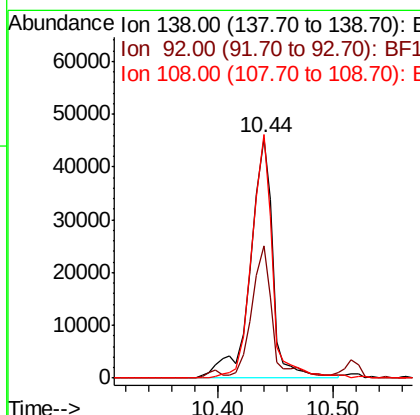
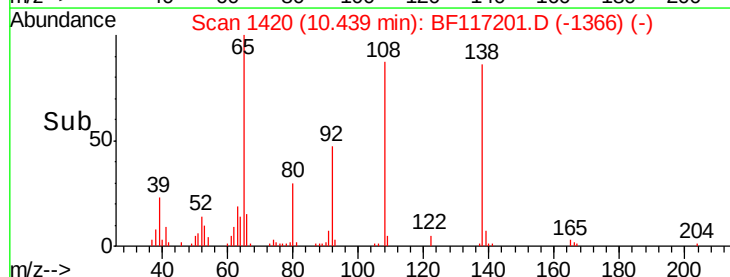
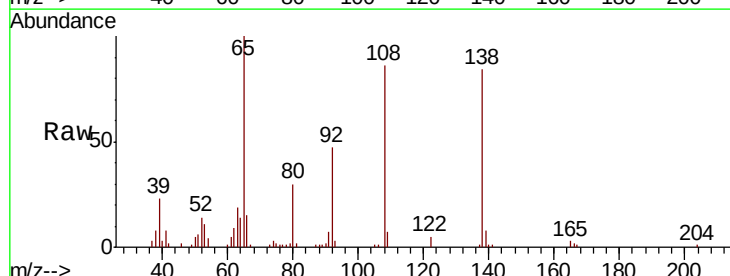
Manual Integrations
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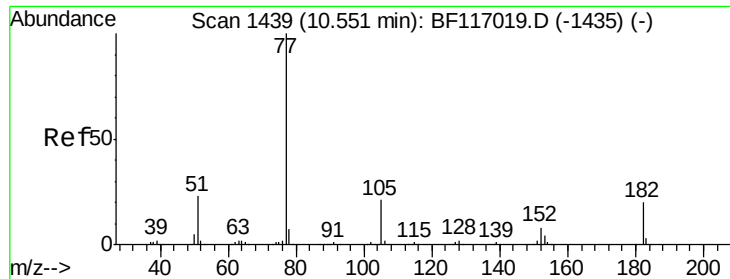
mohammad
9/24/2019 9:12:58 AM



#62
4-Nitroaniline
Concen: 40.999 ng
RT: 10.44 min Scan# 1420
Delta R.T. 0.02 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Lower	Upper
138	100		
92	55.3	32.9	72.9
108	101.3	58.3	98.3#





#63

Azobenzene

Concen: 55.406 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Instrument :

BNA_F

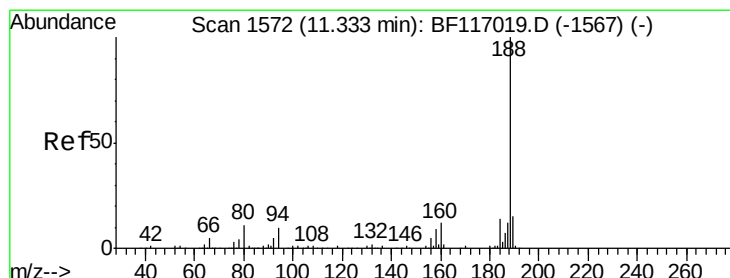
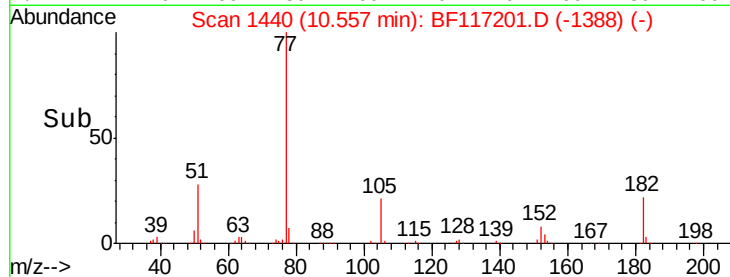
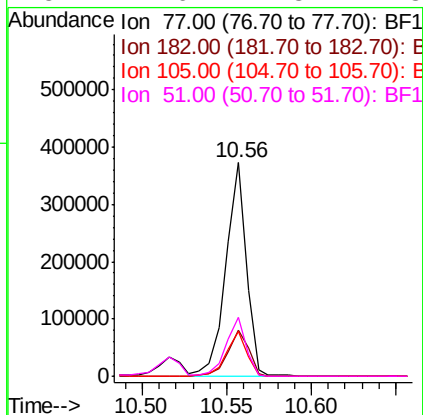
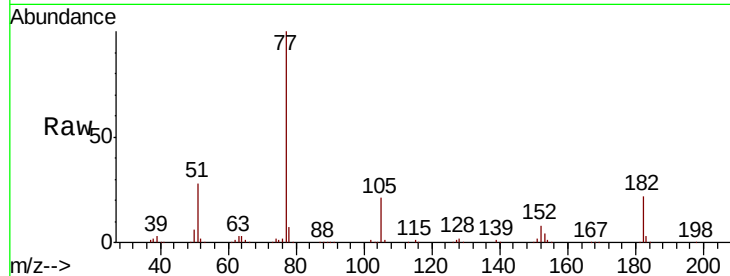
ClientSampleId :

CL-02-091819MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	21.7	0.4	40.4		
105	20.7	0.9	40.9		
51	27.6	2.8	42.8		

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#64

Phenanthrene-d10

Concen: 20.000 ng

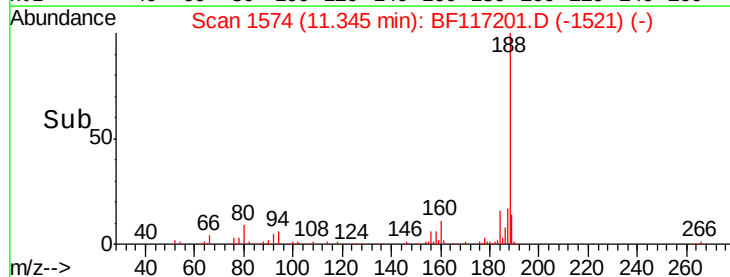
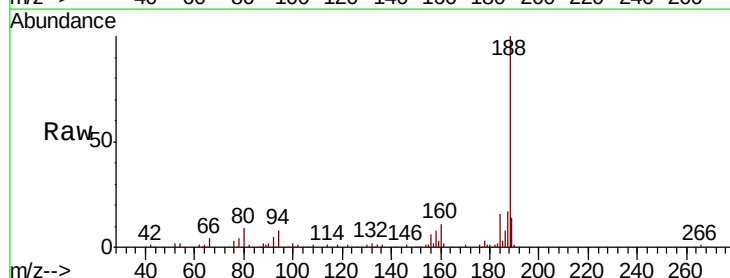
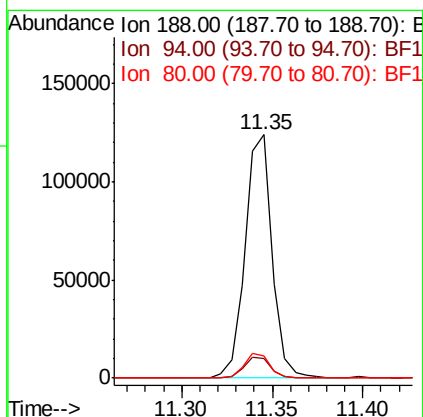
RT: 11.35 min Scan# 1574

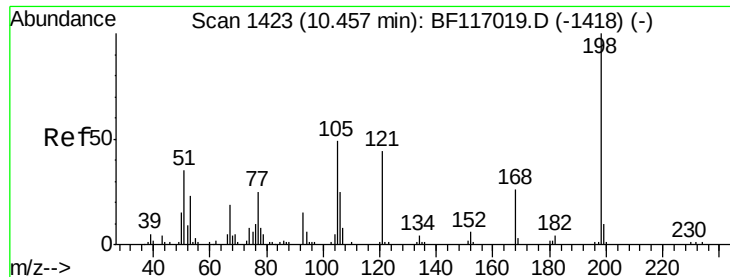
Delta R.T. 0.01 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	8.3	8.2	12.2		
80	9.1	9.0	13.6		





#65

4,6-Dinitro-2-methylphenol

Concen: 60.657 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Instrument :

BNA_F

ClientSampleId :

CL-02-091819MSD

Tot Ion:198 Resp: 36579

Ion Ratio Lower Upper

198 100

51 58.1 18.7 58.7

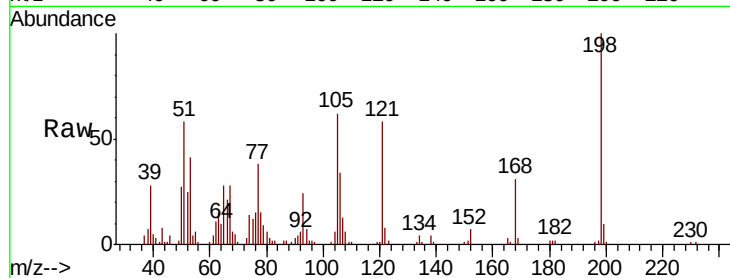
105 62.5 30.2 70.2

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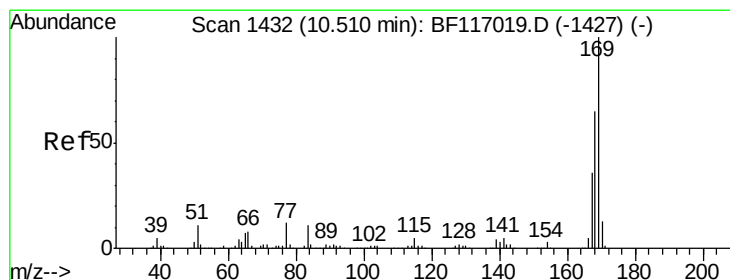
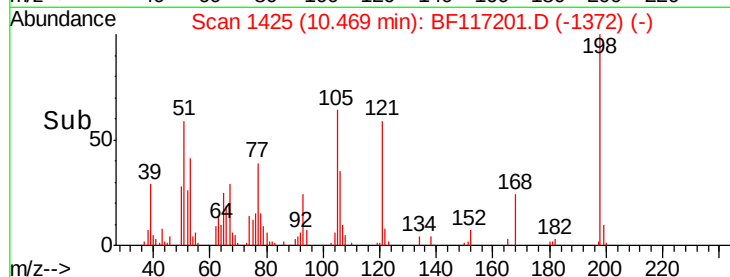
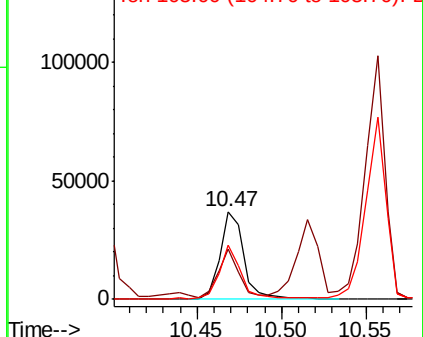
9/24/2019 9:12:58 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 55.939 ng

RT: 10.52 min Scan# 1433

Delta R.T. 0.01 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

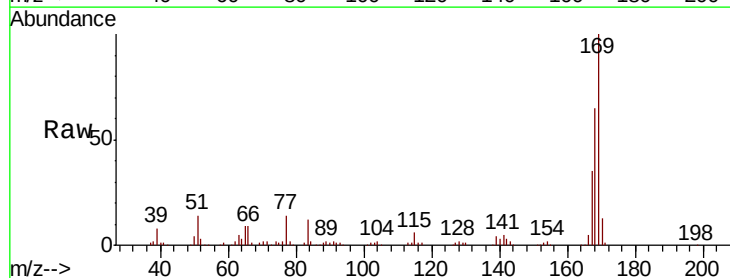
Tgt Ion:169 Resp: 247028

Ion Ratio Lower Upper

169 100

168 65.2 52.2 78.2

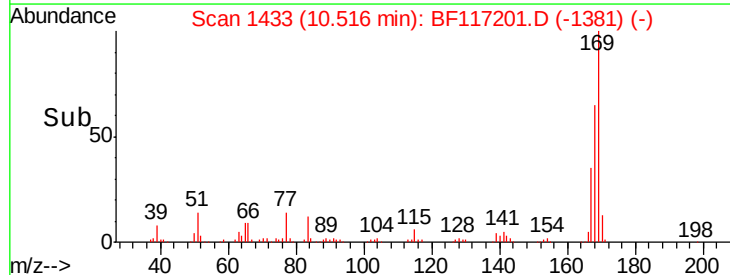
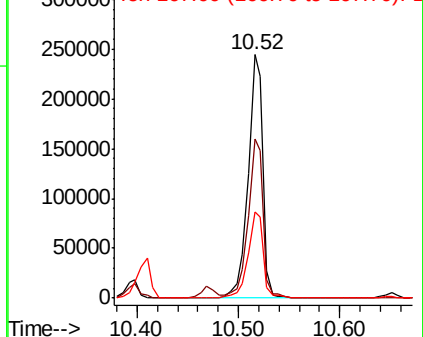
167 35.4 28.8 43.2

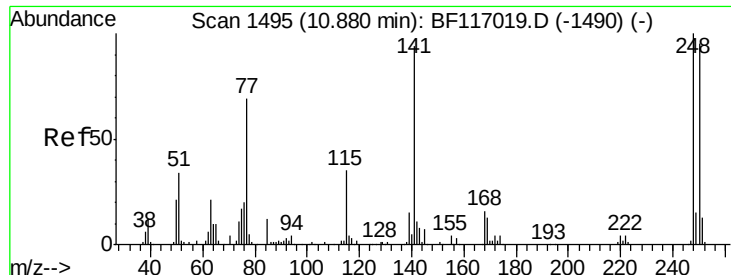


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





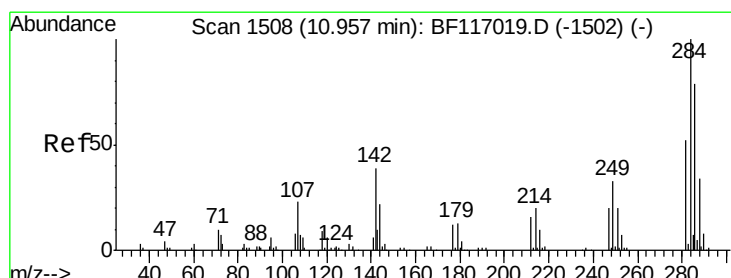
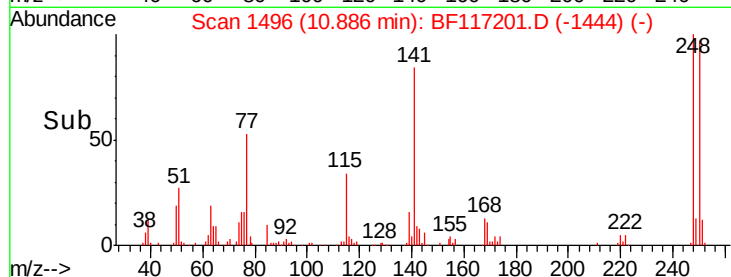
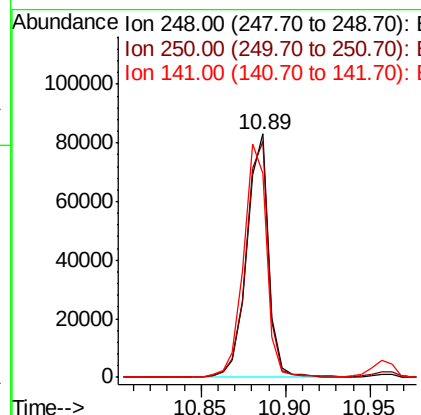
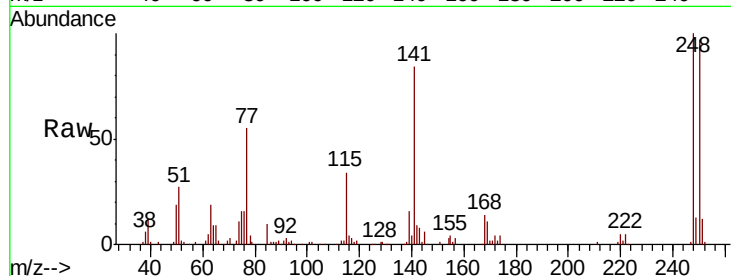
#67
 4-Bromophenyl-phenylether
 Concen: 57.149 ng
 RT: 10.89 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091819MSD

Tot Ion:	248	Resp:	74628
Ion Ratio	Lower	Upper	
248	100		
250	97.1	76.2	114.4
141	83.7	75.0	112.4

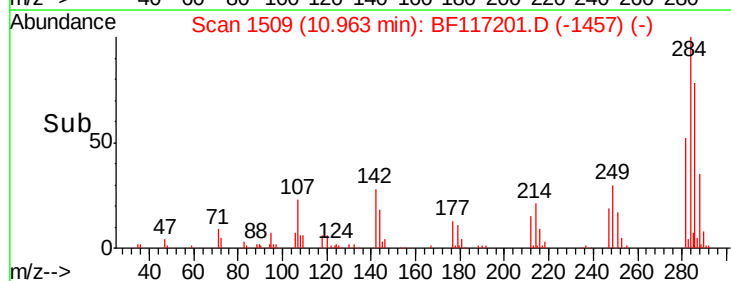
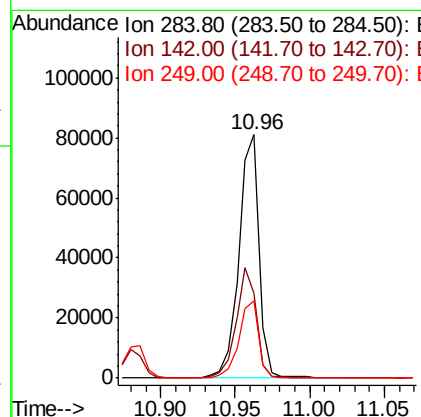
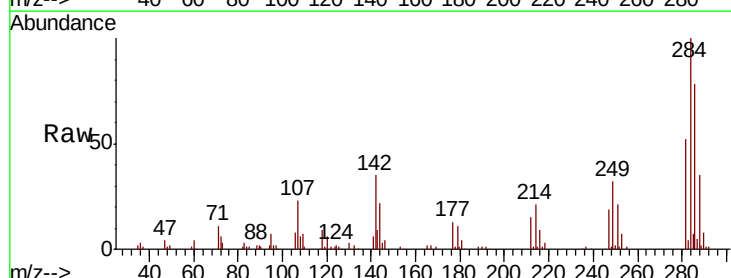
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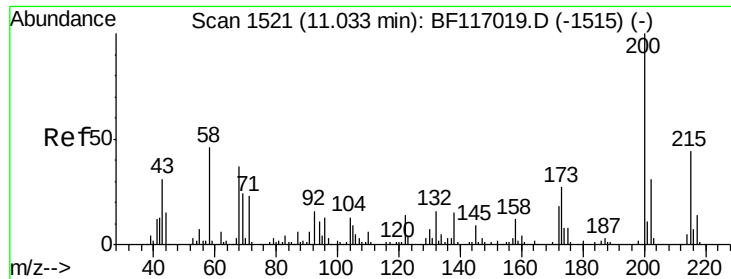
mohammad
 9/24/2019 9:12:58 AM



#68
 Hexachlorobenzene
 Concen: 54.214 ng
 RT: 10.96 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Tgt Ion:	284	Resp:	77433
Ion Ratio	Lower	Upper	
284	100		
142	35.1	31.4	47.2
249	31.6	26.5	39.7





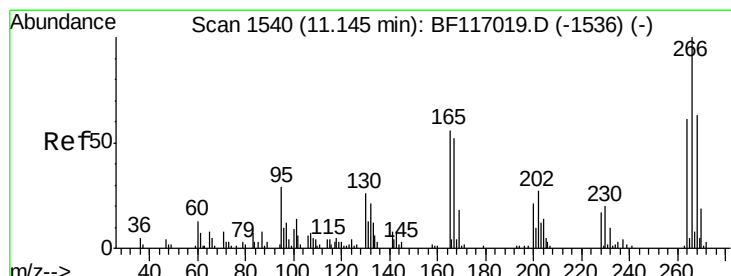
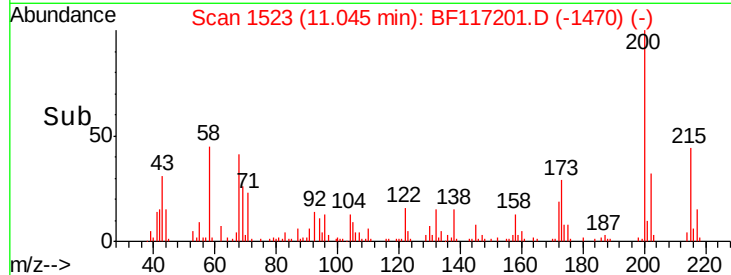
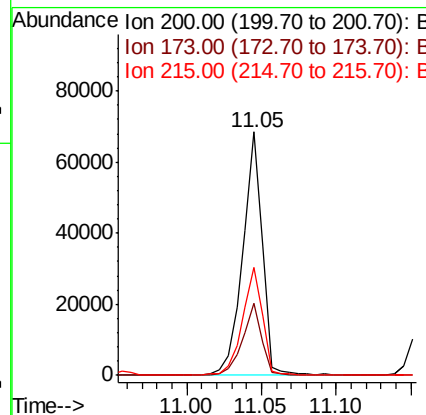
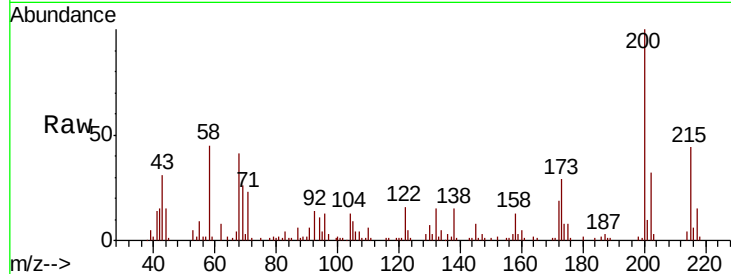
#69
 Atrazine
 Concen: 64.233 ng
 RT: 11.05 min Scan# 1523
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091819MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	62831		
173	29.4	6.9	46.9	
215	44.3	23.8	63.8	

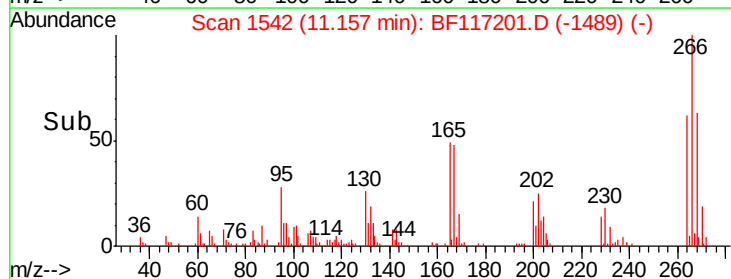
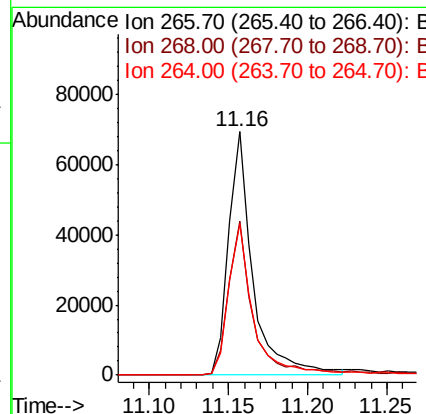
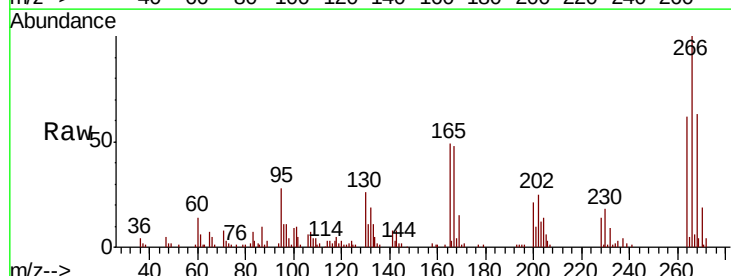
Manual Integrations
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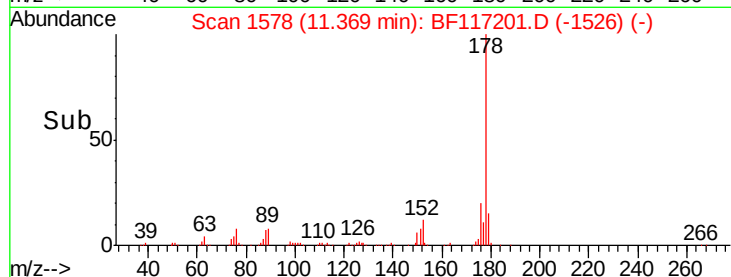
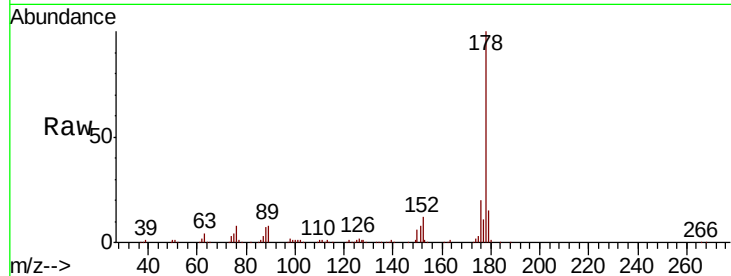
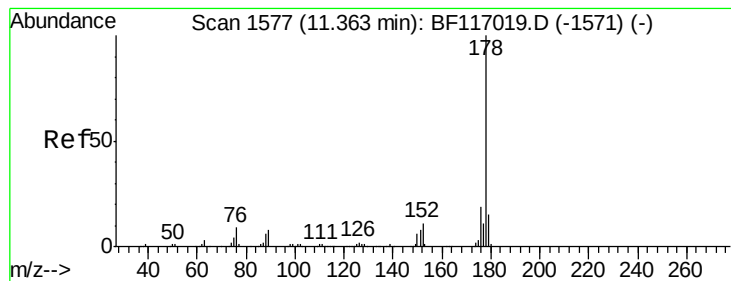
mohammad
 9/24/2019 9:12:58 AM



#70
 Pentachlorophenol
 Concen: 110.454 ng
 RT: 11.16 min Scan# 1542
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	73949		
268	63.4	50.5	75.7	
264	62.3	48.8	73.2	





#71

Phenanthrene

Concen: 54.096 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.01 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Tot Ion:178	Resp:	392891
Ion Ratio	Lower	Upper
178	100	
176	19.6	15.4 23.2
179	15.2	12.4 18.6

Instrument :

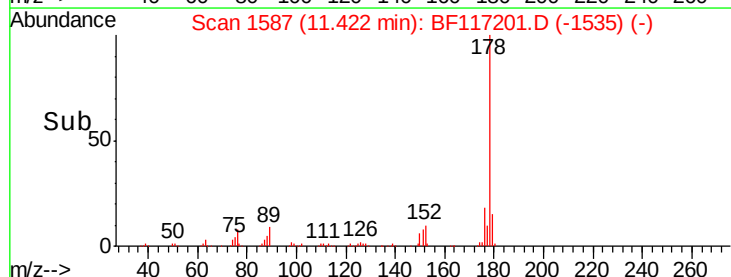
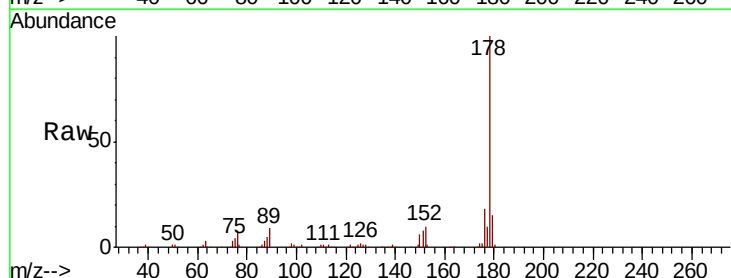
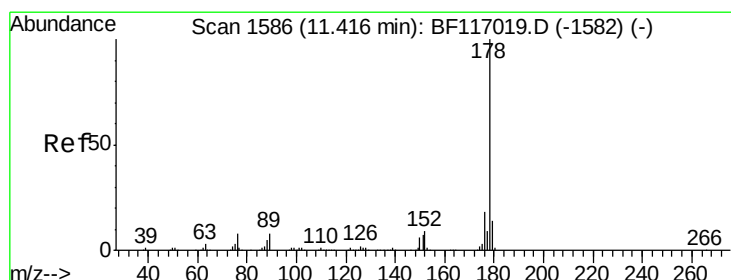
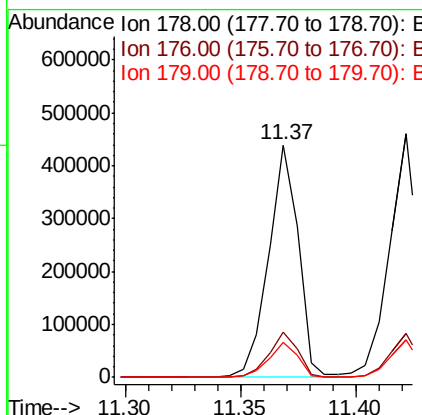
BNA_F

ClientSampleId :

CL-02-091819MSD

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#72

Anthracene

Concen: 54.908 ng

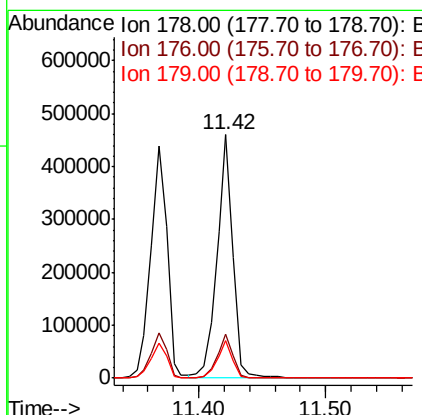
RT: 11.42 min Scan# 1587

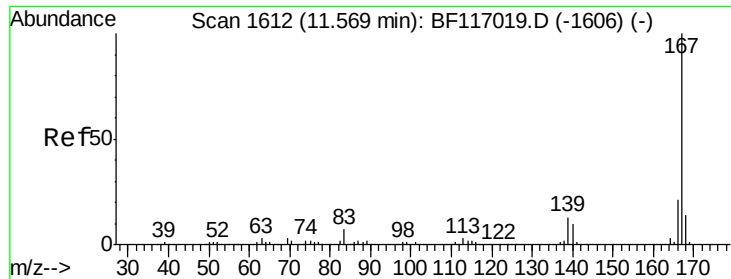
Delta R.T. 0.01 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Tgt Ion:178	Resp:	407133
Ion Ratio	Lower	Upper
178	100	
176	17.9	14.6 21.8
179	15.3	11.6 17.4





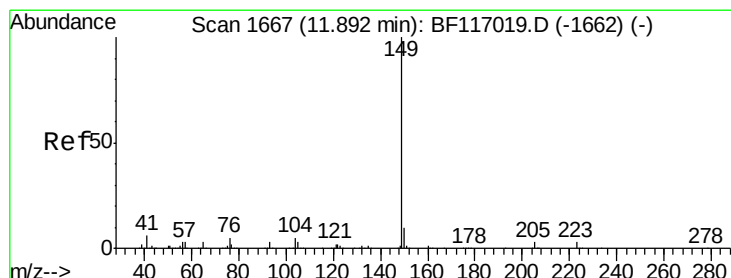
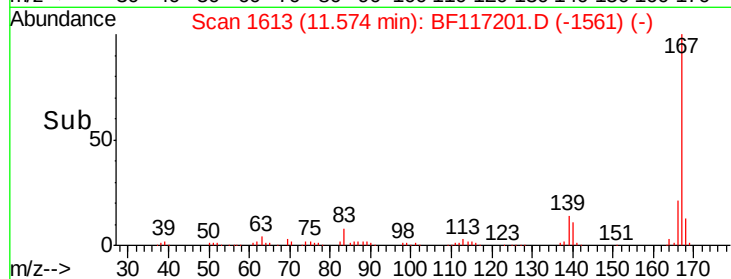
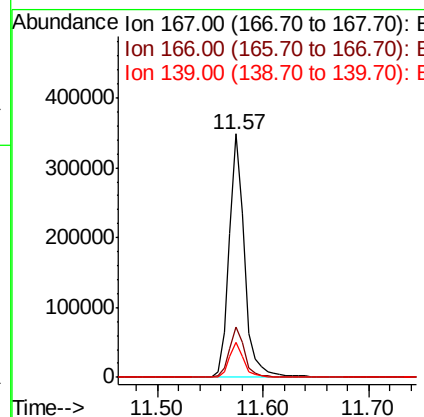
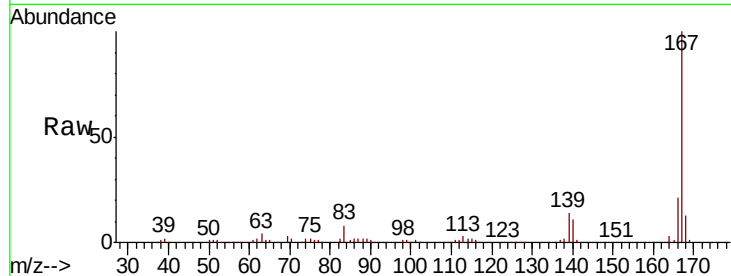
#73
 Carbazole
 Concen: 50.278 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091819MSD

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	20.6	17.2	25.8	
139	14.4	10.6	16.0	

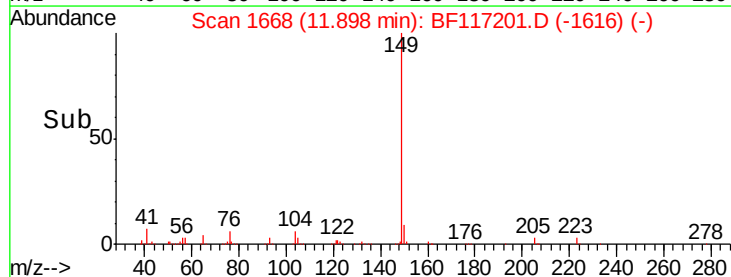
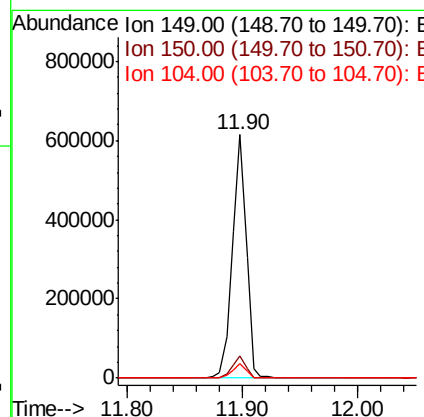
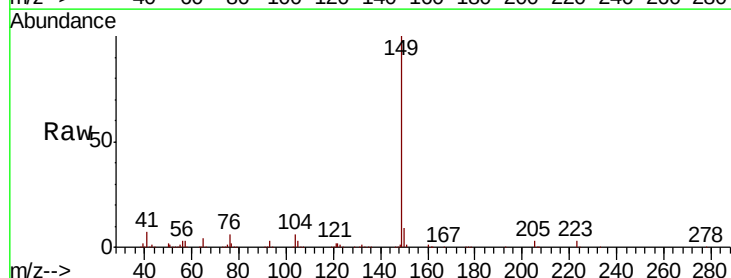
Manual Integrations
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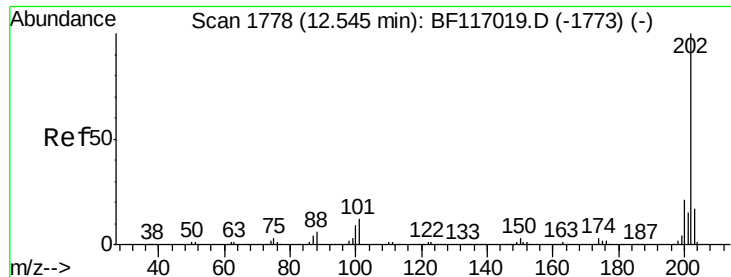
mohammad
 9/24/2019 9:12:58 AM



#74
 Di-n-butylphthalate
 Concen: 61.382 ng
 RT: 11.90 min Scan# 1668
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.3	7.7	11.5	
104	5.8	4.2	6.4	





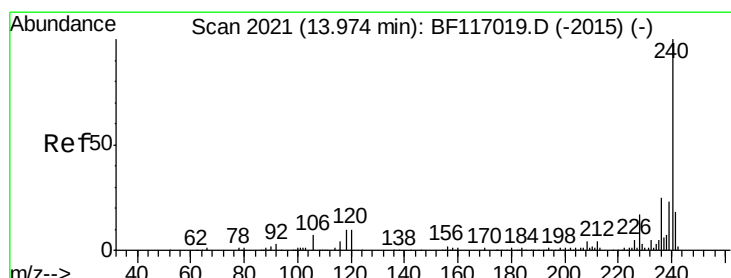
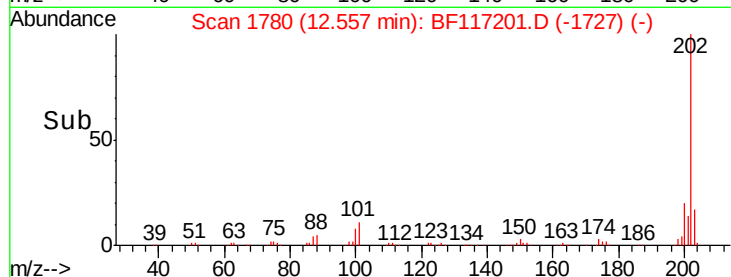
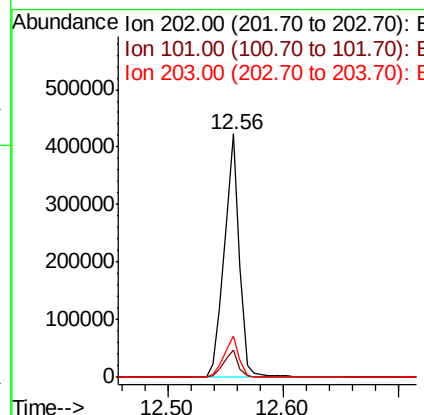
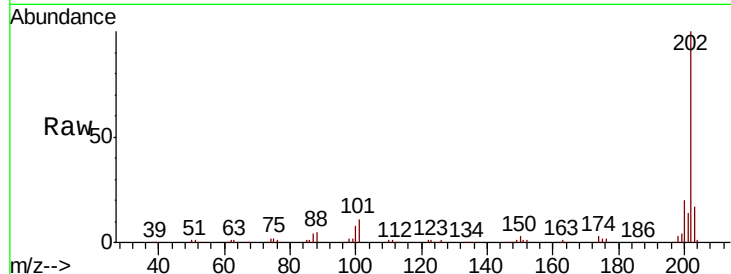
#75
 Fluoranthene
 Concen: 51.613 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091819MSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.3	0.0	32.3
203	17.1	0.0	37.1

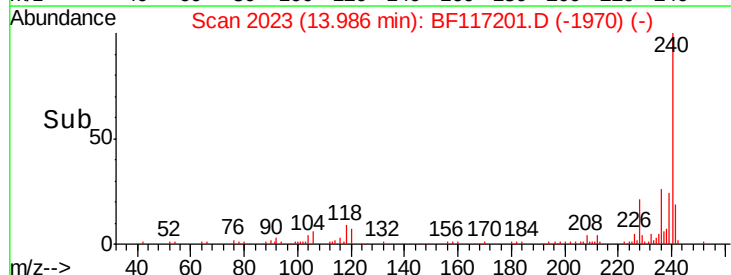
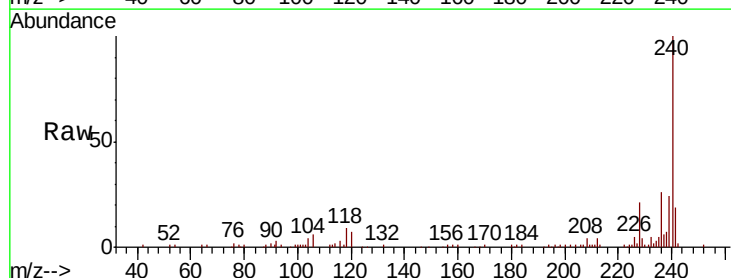
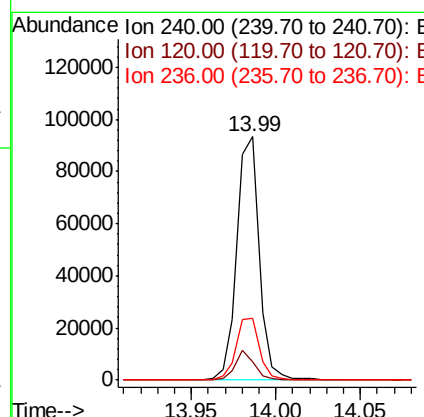
Manual Integrations
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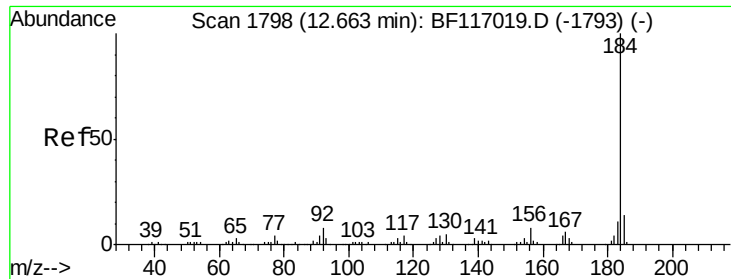
mohammad
 9/24/2019 9:12:58 AM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	7.4	8.3	12.5#
236	25.6	20.3	30.5





#77

Benzidine

Concen: 1.255 ng/mL

RT: 12.70 min Scan# 1804

Delta R.T. 0.04 min

Lab File: BF117201.D

Acq: 20 Sep 2019 22:16

Instrument :

BNA_F

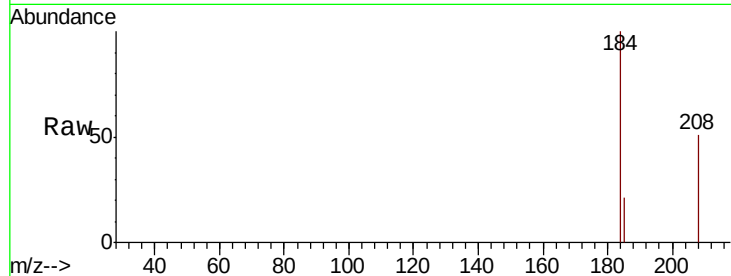
ClientSampleID :

CL-02-091819MSD

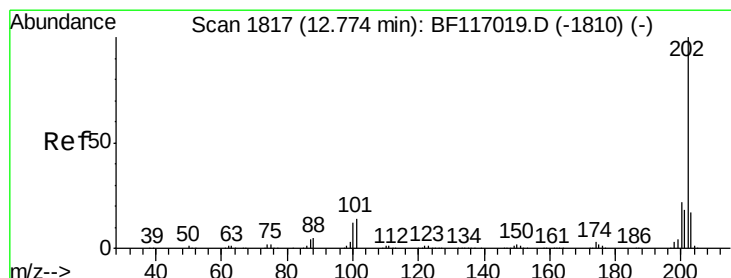
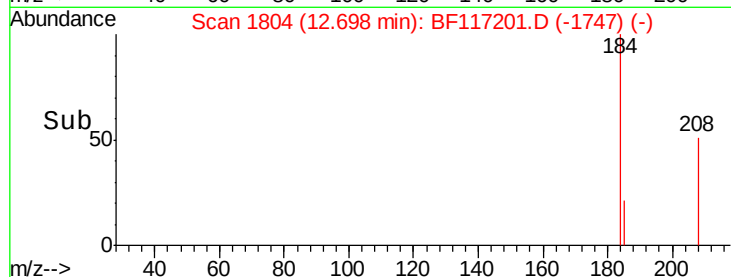
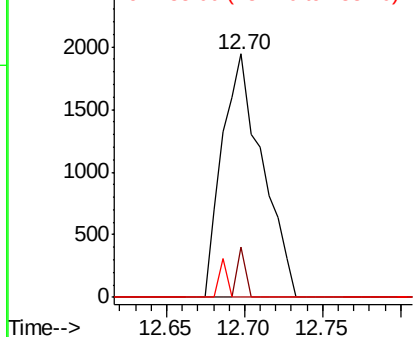
Tot Ion:	184	Resp:	3464
Ion Ratio	Lower	Upper	
184	100		
185	20.6	11.6	17.4#
183	0.0	9.0	13.4#

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 53.817 ng

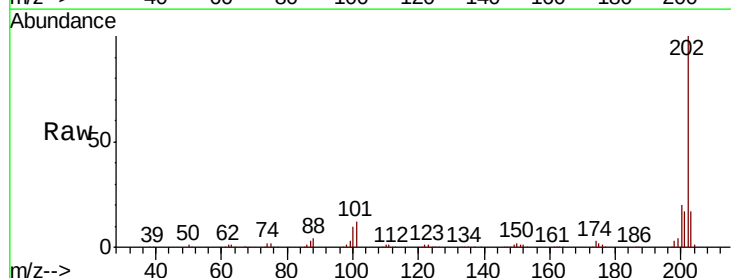
RT: 12.79 min Scan# 1819

Delta R.T. 0.01 min

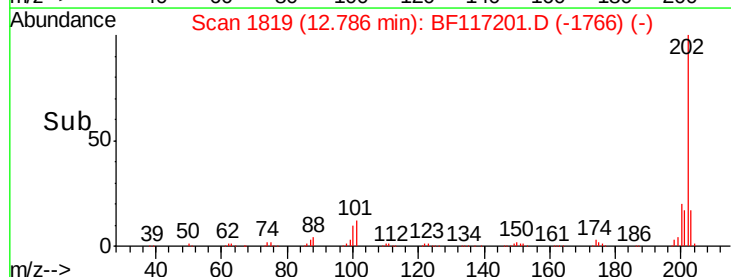
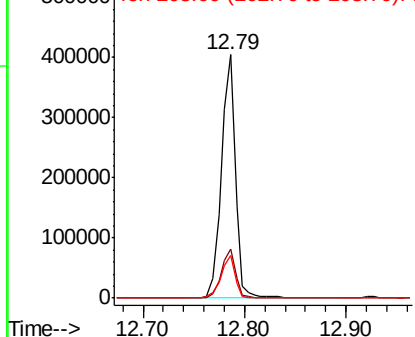
Lab File: BF117201.D

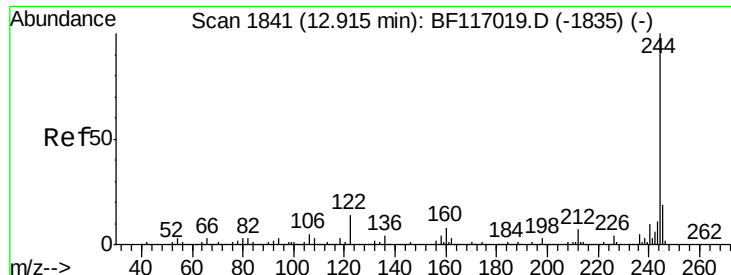
Acq: 20 Sep 2019 22:16

Tgt Ion:	202	Resp:	387002
Ion Ratio	Lower	Upper	
202	100		
200	20.4	17.2	25.8
203	17.3	14.0	21.0



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





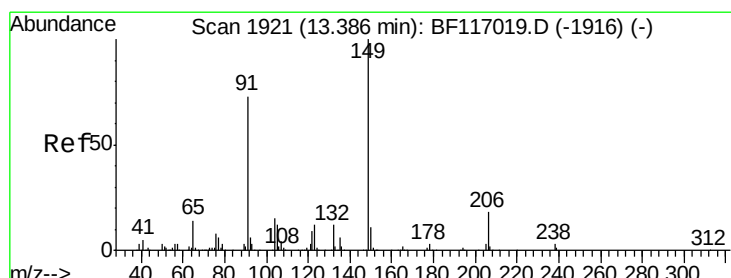
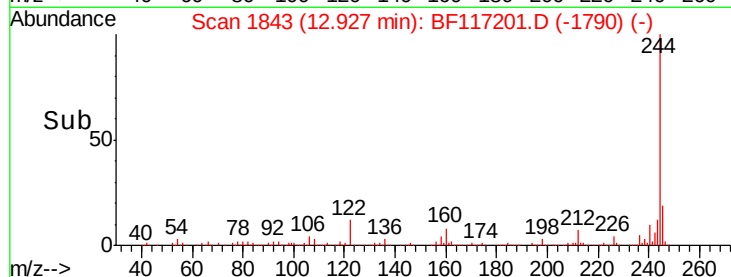
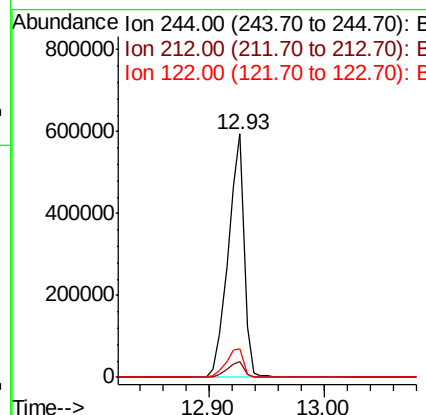
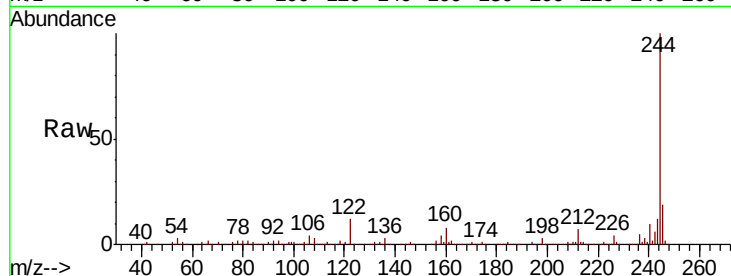
#79
 Terphenyl-d14
 Concen: 123.817 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	11.8	11.3	16.9

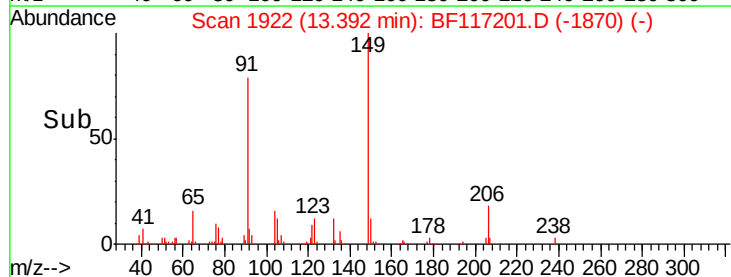
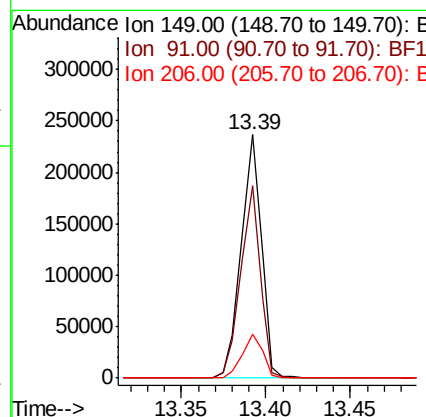
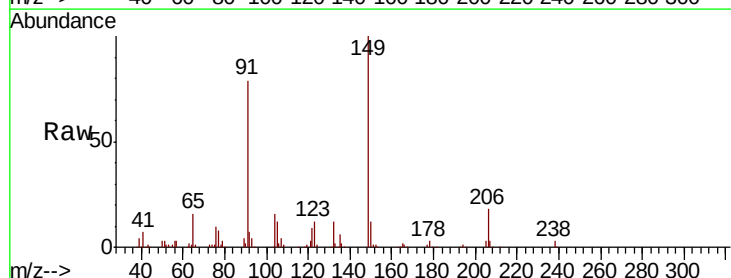
Manual Integrations
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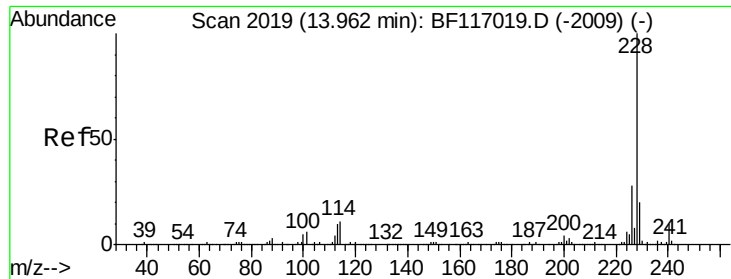
mohammad
 9/24/2019 9:12:58 AM



#80
 Butylbenzylphthalate
 Concen: 58.226 ng
 RT: 13.39 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: BF117201.D
 Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Lower	Upper
149	100		
91	78.9	58.8	88.2
206	17.9	14.1	21.1





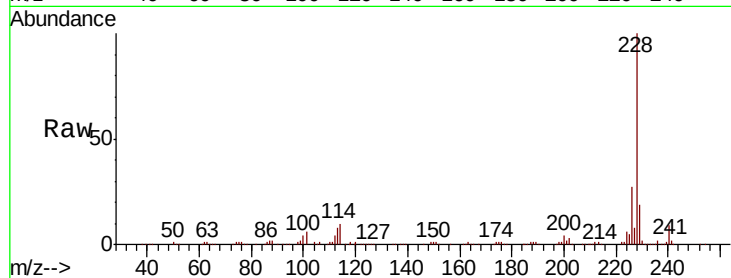
#81
Benzo(a)anthracene
Concen: 52.512 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.3	33.5
229	18.8	15.9	23.9

Manual Integrations
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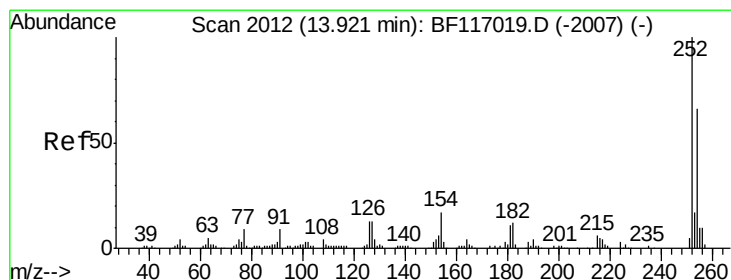
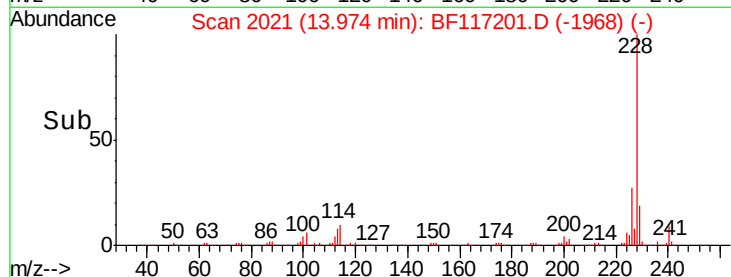
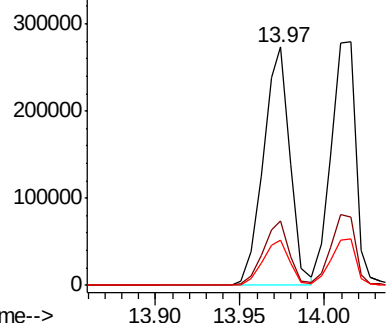


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 22.733 ng
RT: 13.93 min Scan# 2014
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

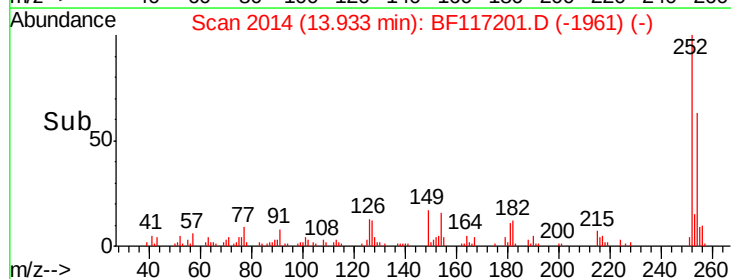
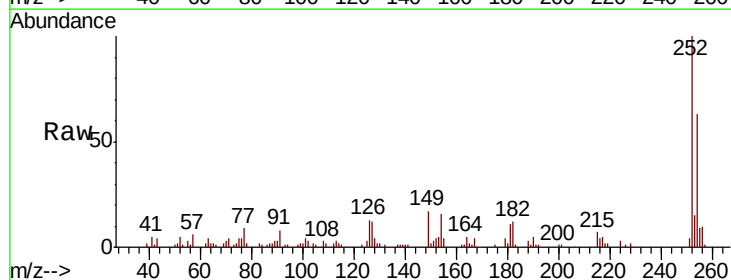
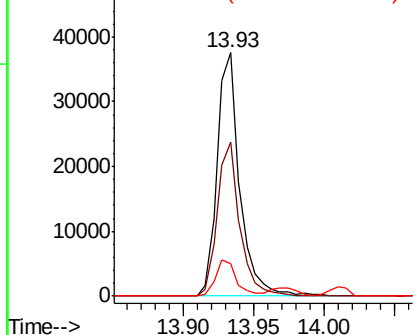
Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.2	52.6	79.0
126	13.3	10.4	15.6

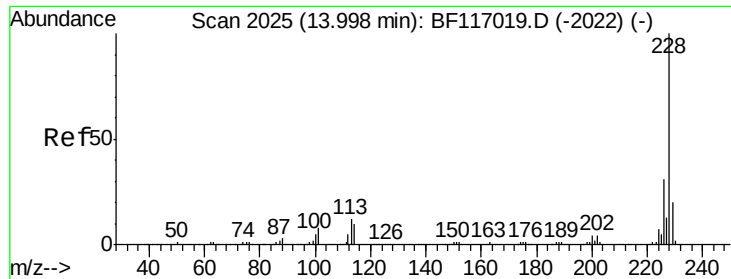
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





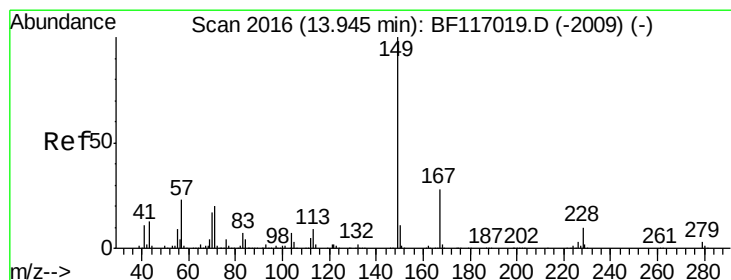
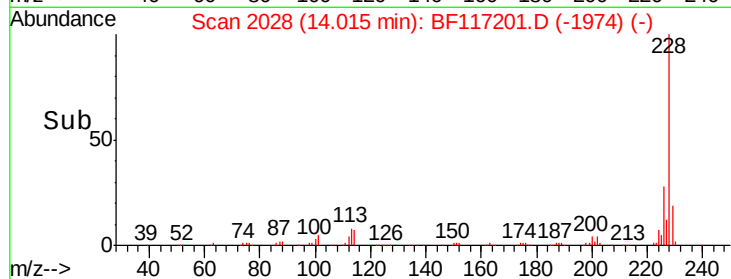
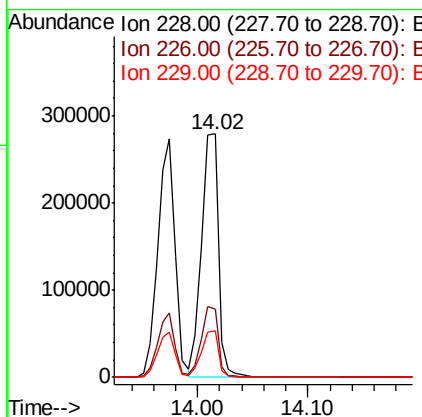
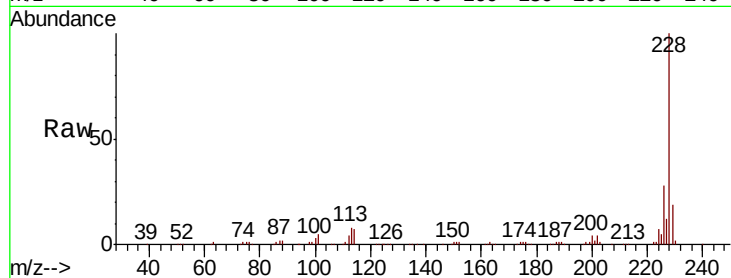
#83
Chrysene
Concen: 51.740 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.02 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.8	37.2
229	18.9	15.8	23.8

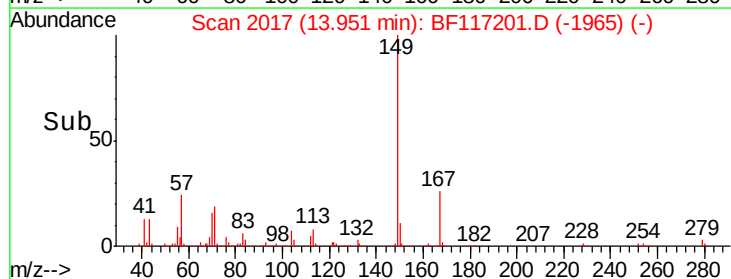
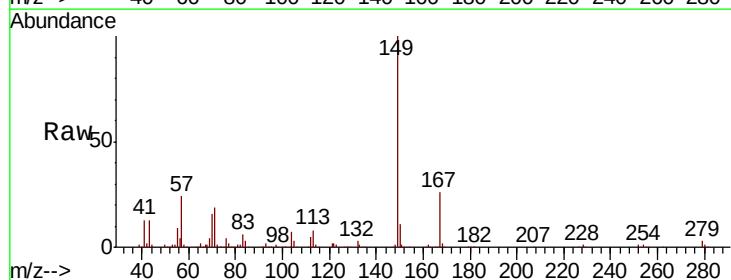
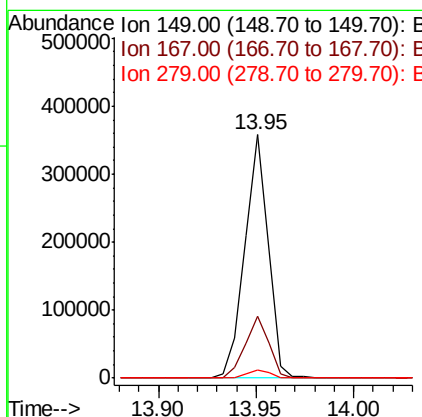
Manual Integrations
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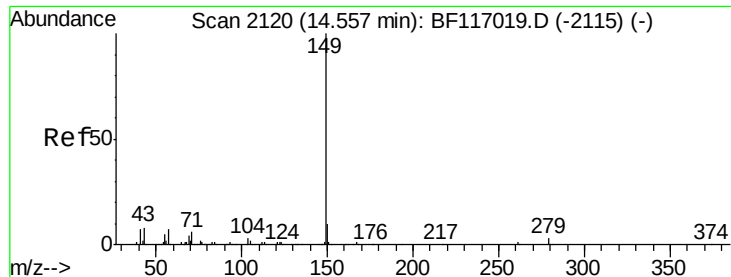
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 68.293 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.6	22.2	33.2
279	3.4	2.8	4.2





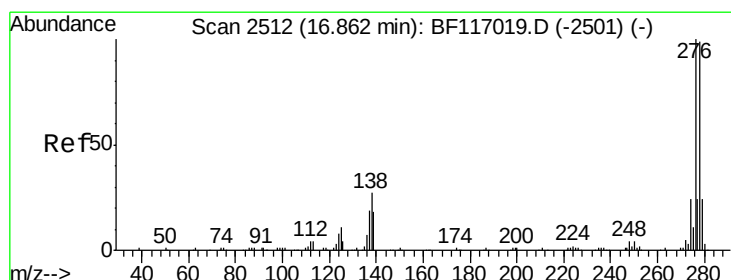
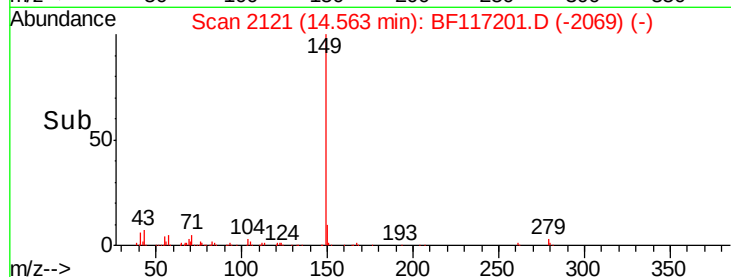
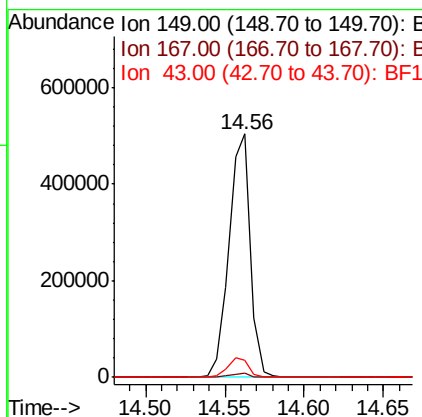
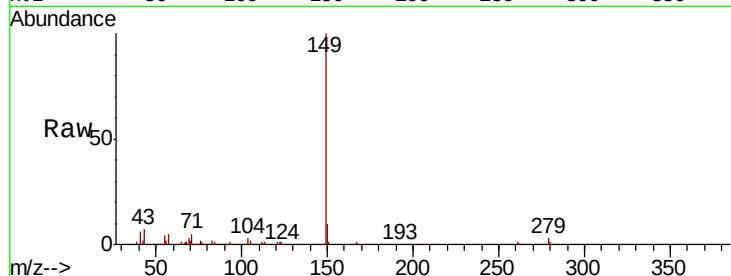
#85
Di-n-octyl phthalate
Concen: 68.173 ng
RT: 14.56 min Scan# 2121
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	470089		
167	1.4		1.2	1.8
43	7.9		6.2	9.4

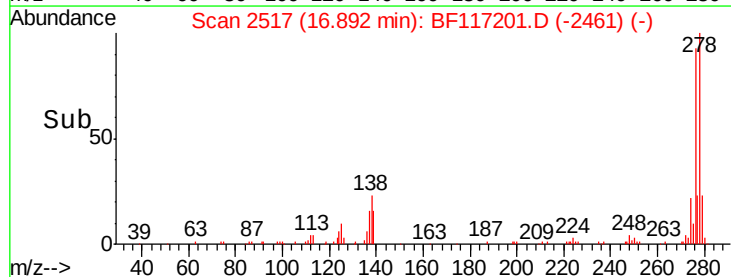
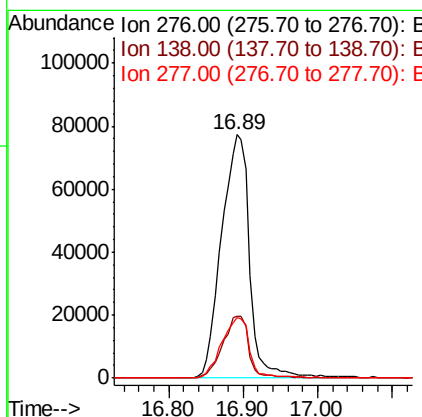
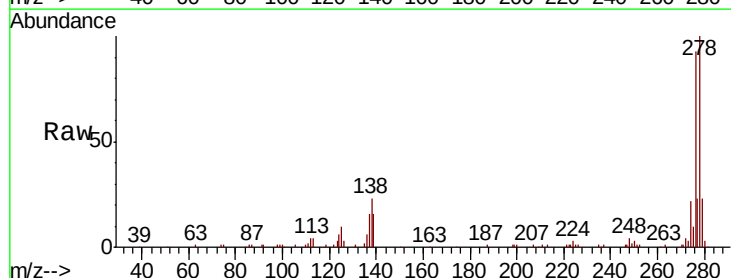
Manual Integrations
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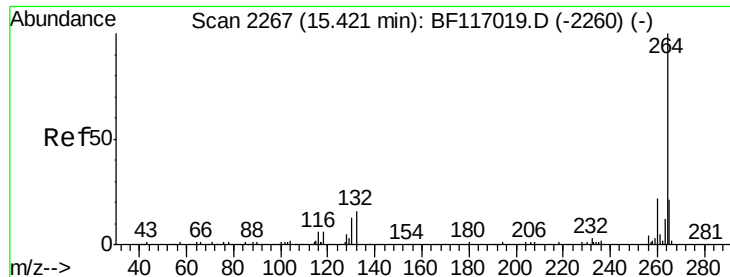
mohammad
9/24/2019 9:12:58 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 49.659 ng
RT: 16.89 min Scan# 2517
Delta R.T. 0.03 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	202326		
138	23.7		20.7	31.1
277	24.6		19.8	29.8





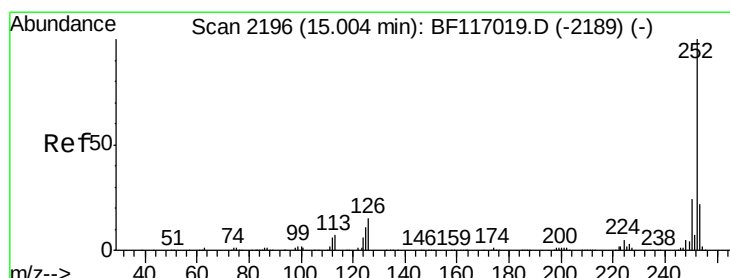
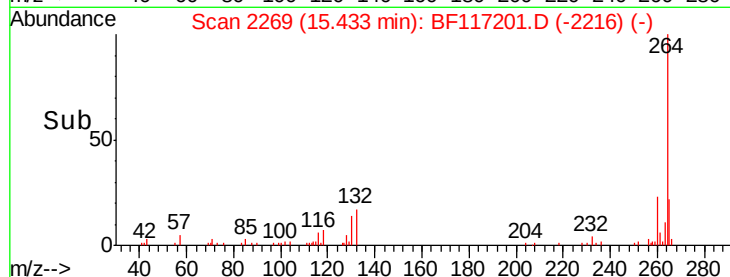
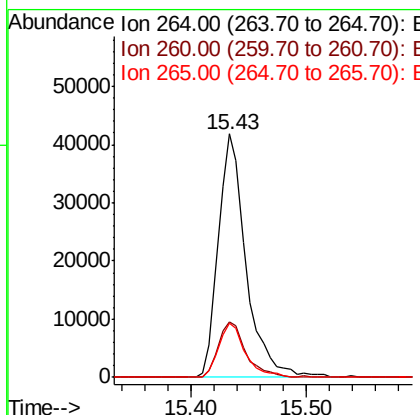
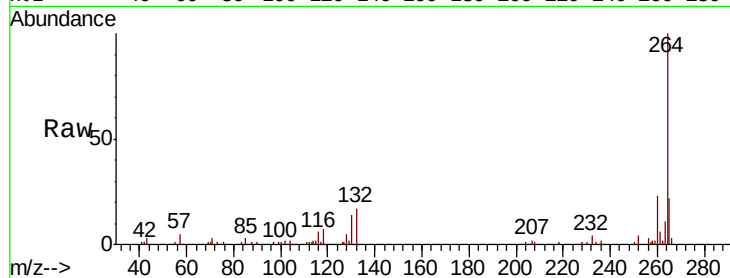
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	22.8	17.6	26.4		
265	22.2	16.6	24.8		

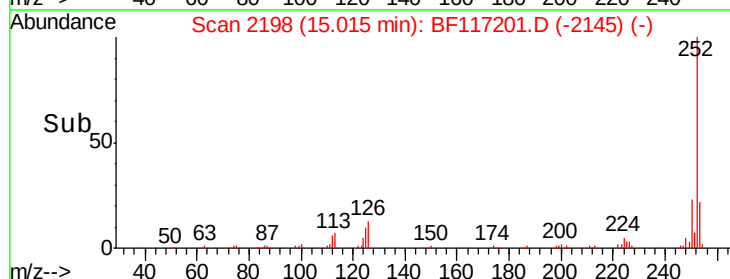
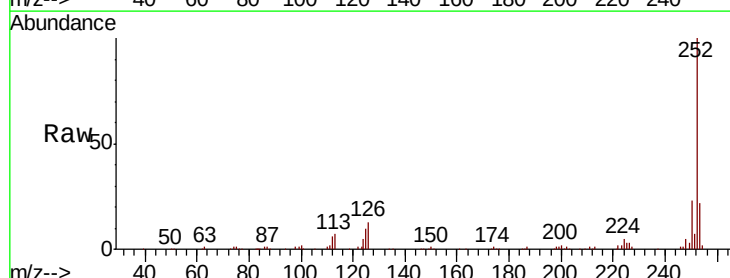
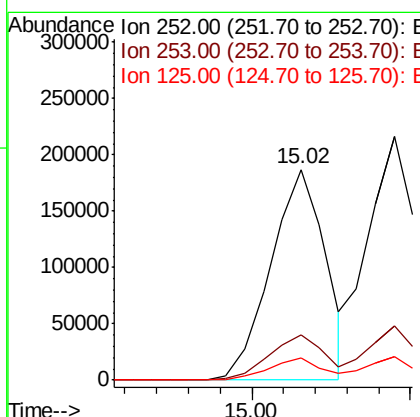
Manual Integrations
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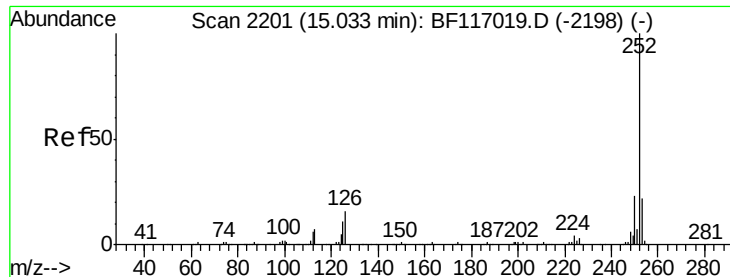
mohammad
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#88
Benzo(b)fluoranthene
Concen: 53.657 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	21.7	17.6	26.4		
125	10.4	8.6	12.8		





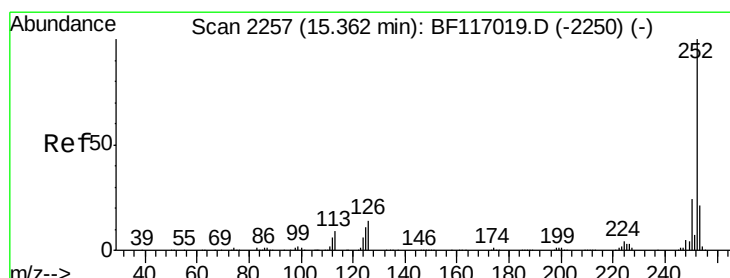
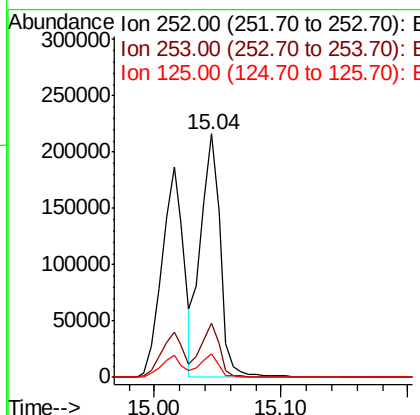
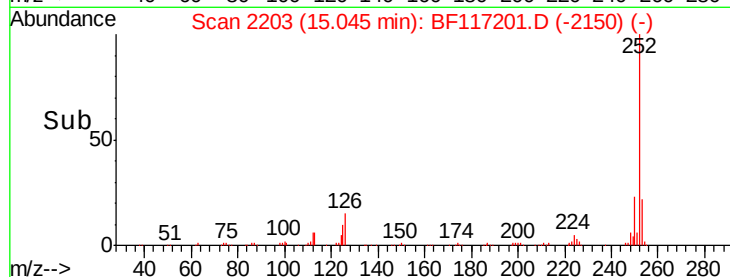
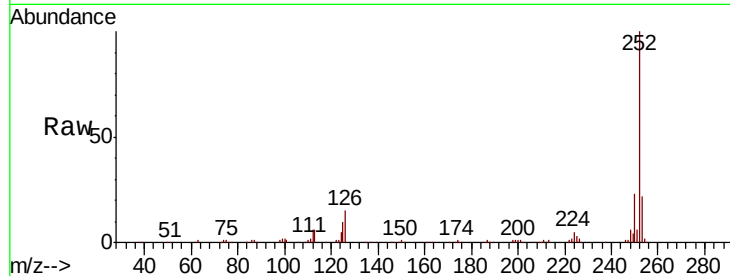
#89
Benzo(k)fluoranthene
Concen: 58.186 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	9.8	8.8	13.2

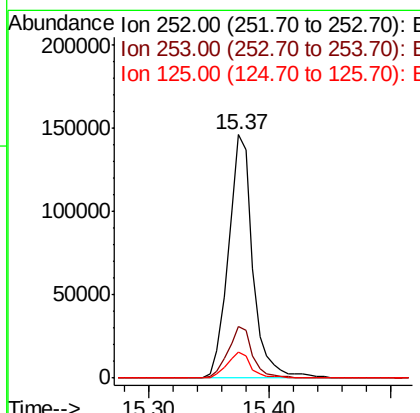
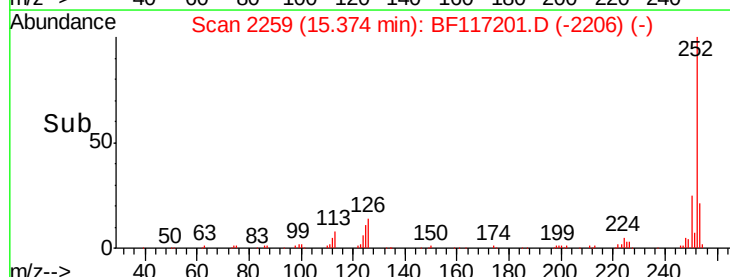
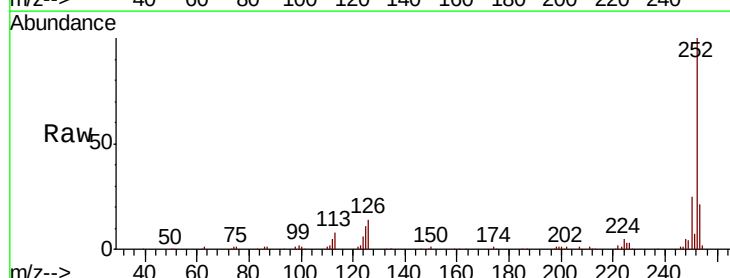
Manual Integrations
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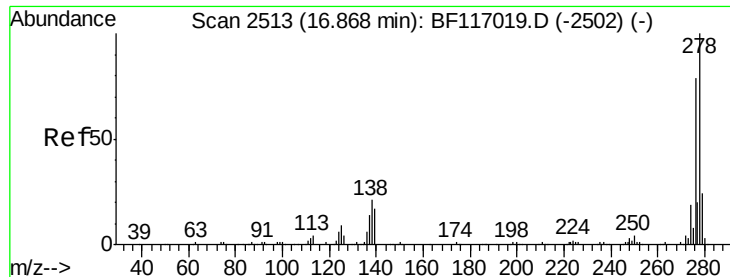
mohammad
9/24/2019 9:12:58 AM



#90
Benzo(a)pyrene
Concen: 55.576 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.6	25.0
125	10.6	8.9	13.3





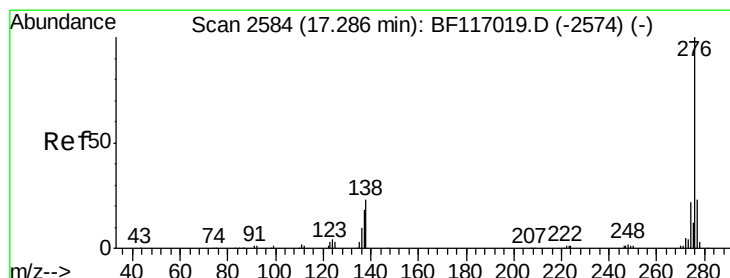
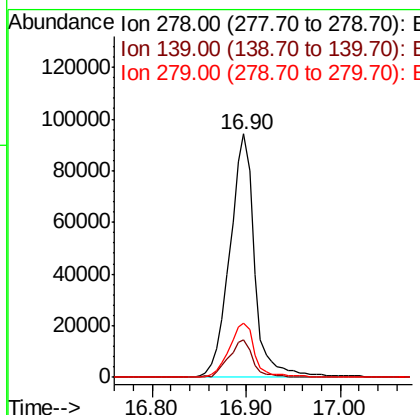
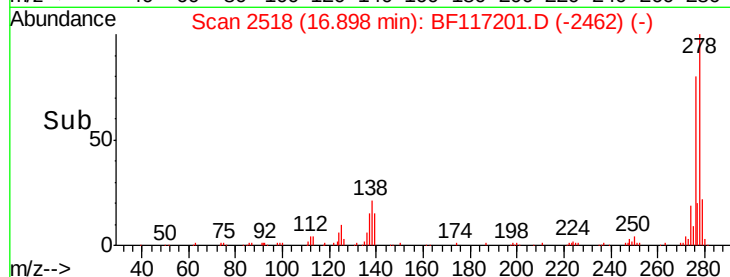
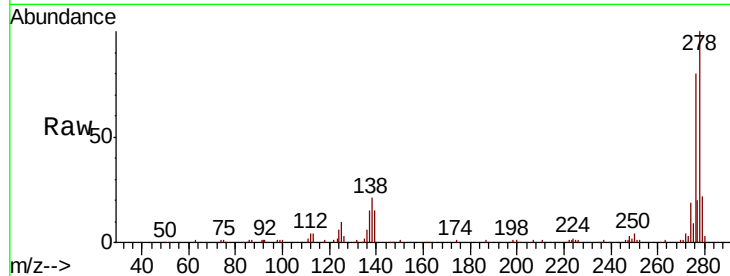
#91
Dibenzo(a,h)anthracene
Concen: 58.796 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.03 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Instrument :
BNA_F
ClientSampleId :
CL-02-091819MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.2	13.5	20.3
279	22.5	18.8	28.2

Manual Integrations
APPROVED

mohammad
9/24/2019 9:12:58 AM



#92
Benzo(g,h,i)perylene
Concen: 53.119 ng
RT: 17.32 min Scan# 2590
Delta R.T. 0.04 min
Lab File: BF117201.D
Acq: 20 Sep 2019 22:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.6	27.8
138	20.4	18.0	27.0

