

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101619\
 Data File : BF117413.D
 Acq On : 16 Oct 2019 15:06
 Operator : JU
 Sample : K5148-08MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

Manual Integrations
 APPROVED

mohammad
 10/18/2019 8:26:33 AM

Quant Time: Oct 17 01:08:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 14 19:03:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	42170	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	170487	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	89912	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	156083	20.00	ng	0.00
76) Chrysene-d12	13.96	240	131644	20.00	ng	0.00
87) Perylene-d12	15.41	264	127691	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	343703	125.40	ng	0.01
7) Phenol-d6	6.44	99	463236	127.39	ng	0.00
23) Nitrobenzene-d5	7.36	82	296796	88.25	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	111681	152.62	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	557632	90.42	ng	0.00
79) Terphenyl-d14	12.90	244	649554	80.43	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.61	88	41098	36.425	ng	# 86
3) Pyridine	3.37	79	80859	28.160	ng	96
4) n-Nitrosodimethylamine	3.25	42	43004	42.500	ng	95
6) Aniline	6.46	93	63025	13.874	ng	# 77
8) 2-Chlorophenol	6.59	128	129963	42.651	ng	100
9) Benzaldehyde	6.35	77	40923	18.624	ng	97
10) Phenol	6.45	94	153176	39.017	ng	84
11) bis(2-Chloroethyl)ether	6.53	93	126287	42.310	ng	100
12) 1,3-Dichlorobenzene	6.73	146	121085	35.534	ng	96
13) 1,4-Dichlorobenzene	6.81	146	125167	36.034	ng	97
14) 1,2-Dichlorobenzene	6.96	146	116905	35.632	ng	99
15) Benzyl Alcohol	6.95	79	116253	41.785	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.06	45	121697	38.829	ng	# 63
17) 2-Methylphenol	7.06	107	110887	43.591	ng	94
18) Hexachloroethane	7.30	117	46203	34.211	ng	97
19) n-Nitroso-di-n-propylamine	7.20	70	97217	41.929	ng	99
20) 3+4-Methylphenols	7.22	107	143265	43.740	ng	91
22) Acetophenone	7.20	105	192223	42.967	ng	# 94
24) Nitrobenzene	7.37	77	144551	42.905	ng	99
25) Isophorone	7.62	82	274612	45.835	ng	100
26) 2-Nitrophenol	7.69	139	67954	45.461	ng	93
27) 2,4-Dimethylphenol	7.73	122	112674	49.597	ng	96
28) bis(2-Chloroethoxy)methane	7.82	93	160857	43.309	ng	98
29) 2,4-Dichlorophenol	7.95	162	108657	46.353	ng	99
30) 1,2,4-Trichlorobenzene	8.02	180	103342	40.895	ng	99
31) Naphthalene	8.09	128	370268	43.488	ng	99
32) Benzoic acid	7.90	122	64660	42.888	ng	87
33) 4-Chloroaniline	8.16	127	47411	13.112	ng	99
34) Hexachlorobutadiene	8.21	225	55523	38.363	ng	98
35) Caprolactam	8.53	113	35763m	48.718	ng	
36) 4-Chloro-3-methylphenol	8.65	107	129441	48.529	ng	97
37) 2-Methylnaphthalene	8.79	142	258330	44.932	ng	97
38) 1-Methylnaphthalene	8.89	142	242748	44.813	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	101754	42.050	ng	97

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101619\
 Data File : BF117413.D
 Acq On : 16 Oct 2019 15:06
 Operator : JU
 Sample : K5148-08MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

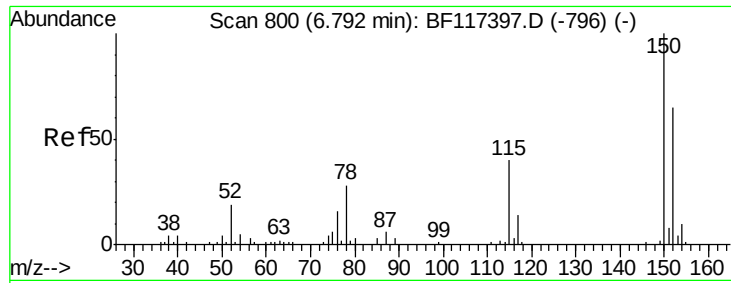
Manual Integrations
 APPROVED

mohammad
 10/18/2019 8:26:33 AM

Quant Time: Oct 17 01:08:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 14 19:03:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.94	237	49286	109.071	nq	93
43) 2,4,6-Trichlorophenol	9.07	196	70686	46.158	nq	98
44) 2,4,5-Trichlorophenol	9.13	196	76553	49.007	nq	96
46) 1,1'-Biphenyl	9.25	154	317072	43.167	nq	99
47) 2-Chloronaphthalene	9.27	162	244483	42.697	nq	99
48) 2-Nitroaniline	9.38	65	80646	44.143	nq	93
49) Acenaphthylene	9.69	152	392307	46.736	nq	100
50) Dimethylphthalate	9.55	163	296132	45.860	nq	99
51) 2,6-Dinitrotoluene	9.62	165	66439	48.951	nq #	88
52) Acenaphthene	9.86	154	228011	44.703	nq	99
53) 3-Nitroaniline	9.79	138	46255	27.908	nq	91
54) 2,4-Dinitrophenol	9.92	184	55440	94.463	nq	94
55) Dibenzofuran	10.03	168	343688	46.192	nq	99
56) 4-Nitrophenol	9.97	139	73500	97.136	nq	84
57) 2,4-Dinitrotoluene	10.03	165	87892	49.077	nq	97
58) Fluorene	10.37	166	291769	47.096	nq	97
59) 2,3,4,6-Tetrachlorophenol	10.16	232	59661	49.405	nq	96
60) Diethylphthalate	10.25	149	310831	47.754	nq	99
61) 4-Chlorophenyl-phenylether	10.36	204	125012	45.577	nq	91
62) 4-Nitroaniline	10.41	138	70148	44.524	nq	96
63) Azobenzene	10.53	77	316425	47.379	nq	97
65) 4,6-Dinitro-2-methylphenol	10.45	198	41436	49.532	nq	95
66) n-Nitrosodiphenylamine	10.49	169	252505	43.305	nq	99
67) 4-Bromophenyl-phenylether	10.85	248	73018	42.651	nq	93
68) Hexachlorobenzene	10.93	284	75044	40.817	nq	91
69) Atrazine	11.02	200	70632	74.705	nq	99
70) Pentachlorophenol	11.13	266	65639	119.336	nq	92
71) Phenanthrene	11.34	178	417984	45.301	nq	99
72) Anthracene	11.39	178	435439	45.716	nq	99
73) Carbazole	11.55	167	415880	48.067	nq	98
74) Di-n-butylphthalate	11.87	149	540631	46.145	nq	100
75) Fluoranthene	12.53	202	449092	48.949	nq	97
77) Benzidine	12.66	184	10019	3.077	nq #	93
78) Pyrene	12.76	202	459406	39.480	nq	99
80) Butylbenzylphthalate	13.36	149	242504	41.444	nq	95
81) Benzo(a)anthracene	13.95	228	392364	43.439	nq	98
82) 3,3'-Dichlorobenzidine	13.90	252	86960	30.450	nq	94
83) Chrysene	13.99	228	387231	43.472	nq	98
84) Bis(2-ethylhexyl)phthalate	13.92	149	353528	42.850	nq	98
85) Di-n-octyl phthalate	14.53	149	606744	48.306	nq	99
86) Indeno(1,2,3-cd)pyrene	16.87	276	304368	48.867	nq	99
88) Benzo(b)fluoranthene	15.00	252	366522	46.107	nq	99
89) Benzo(k)fluoranthene	15.02	252	324941	41.131	nq	97
90) Benzo(a)pyrene	15.36	252	320355	45.510	nq	98
91) Dibenzo(a,h)anthracene	16.87	278	265475	44.012	nq	99
92) Benzo(g,h,i)perylene	17.30	276	239781	41.762	nq	99

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



#1

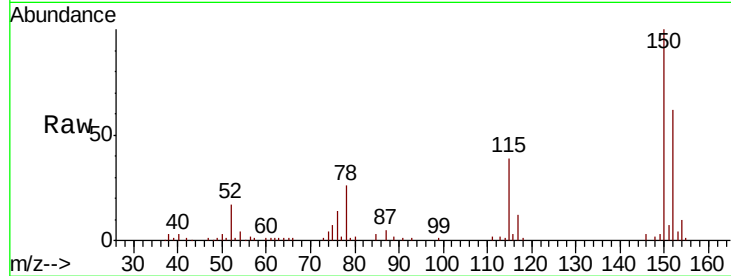
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	122.7	184.1
115	63.8	48.6	73.0

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM

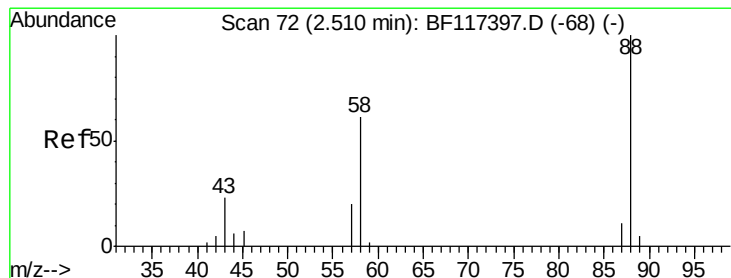
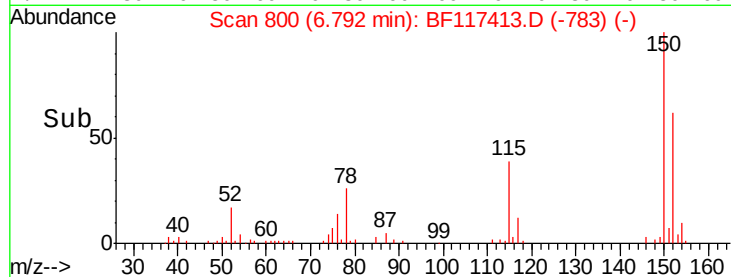
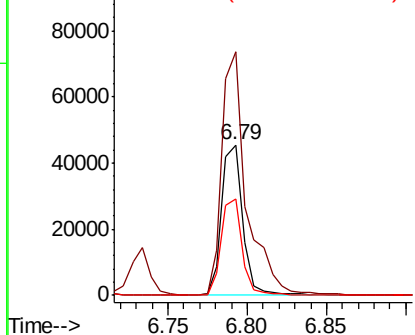


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

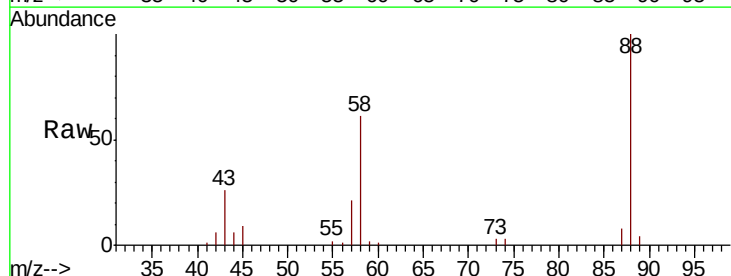
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 36.425 ng
RT: 2.61 min Scan# 89
Delta R.T. 0.10 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
88	100		
58	63.8	49.4	74.2
43	0.0	18.1	27.1

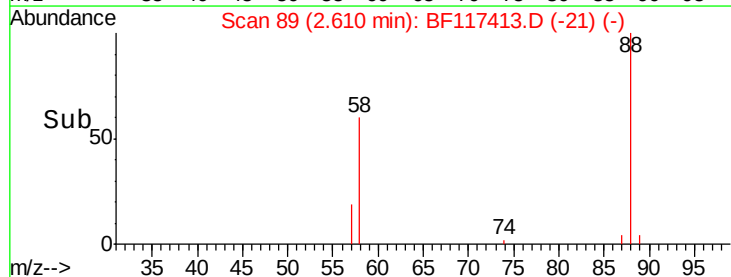
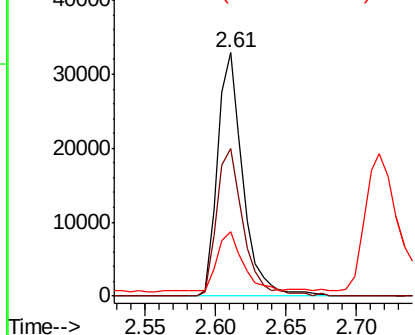


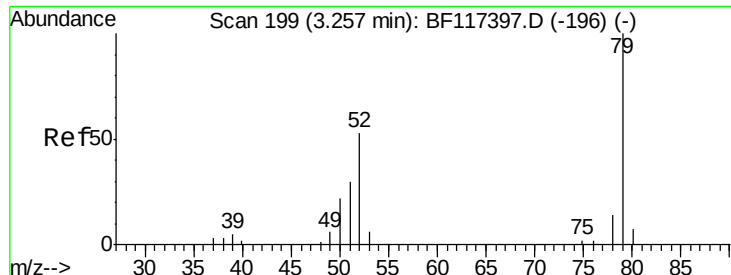
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





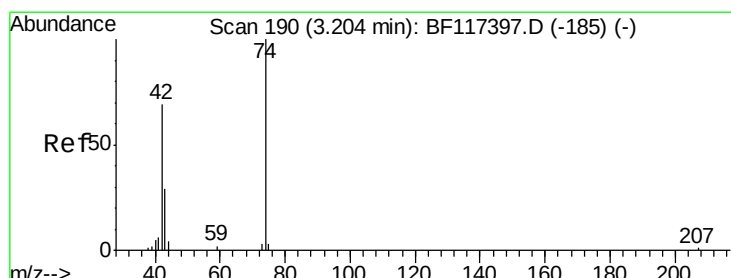
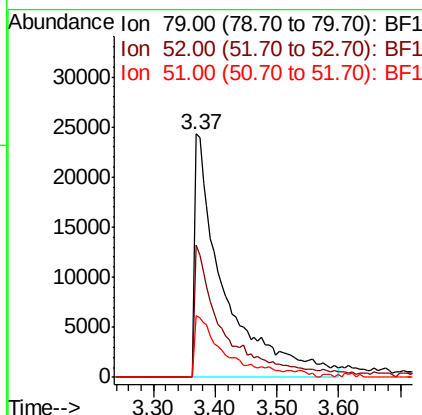
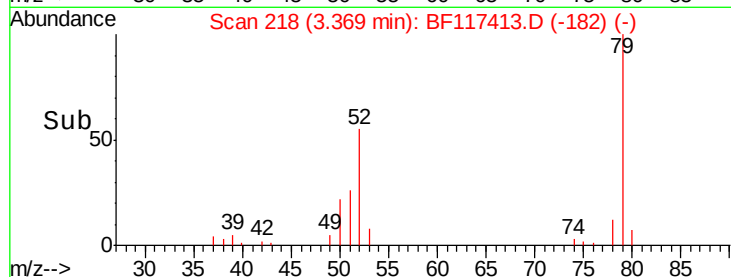
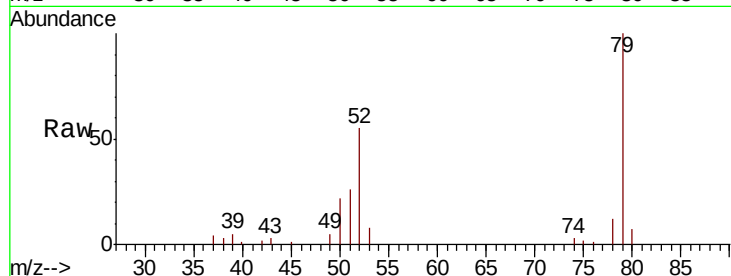
#3
 Pvridine
 Concen: 28.160 ng
 RT: 3.37 min Scan# 218
 Delta R.T. 0.11 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	79	100	80859		
52	52	54.5		42.7	64.1
51	51	25.6		23.8	35.8

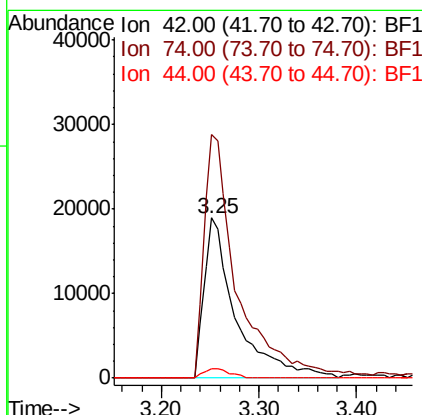
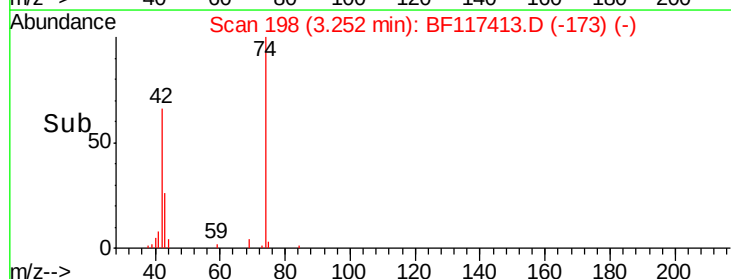
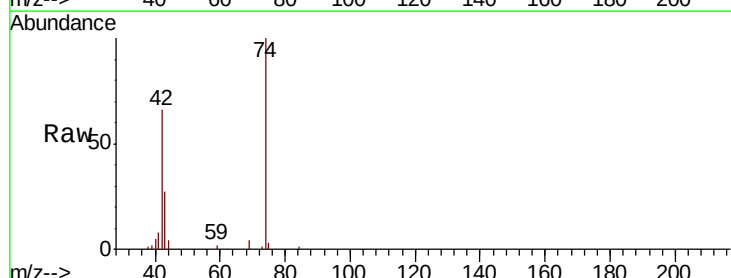
Manual Integrations
 APPROVED

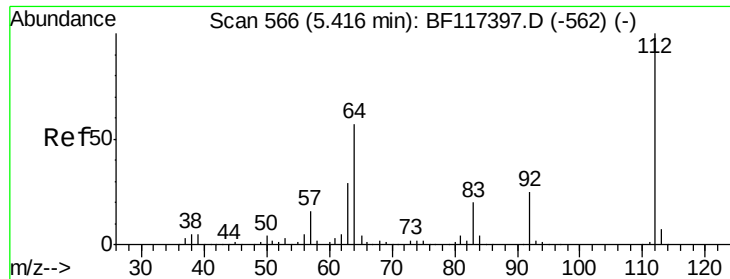
mohammad
 10/18/2019 8:26:33 AM



#4
 n-Nitrosodimethylamine
 Concen: 42.500 ng
 RT: 3.25 min Scan# 198
 Delta R.T. 0.05 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100	43004		
74	74	151.9		116.2	174.4
44	44	6.1		4.2	6.4





#5

2-Fluorophenol

Concen: 125.405 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

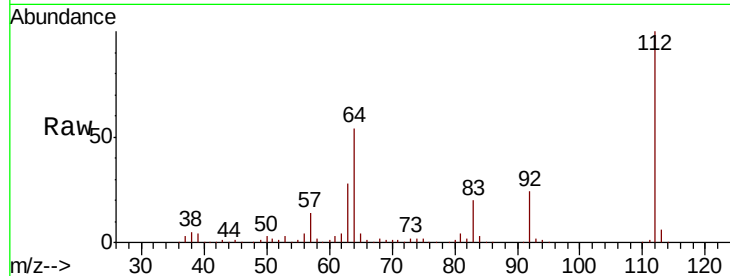
ClientSampleId :

OR-03-101119MSD

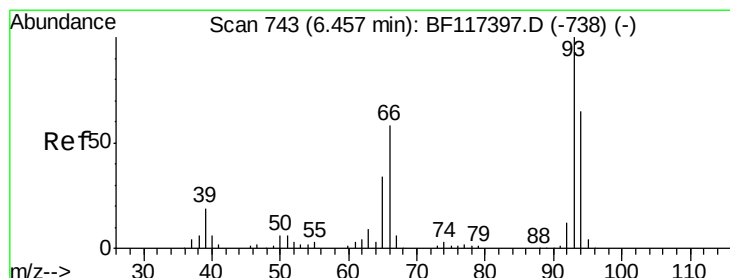
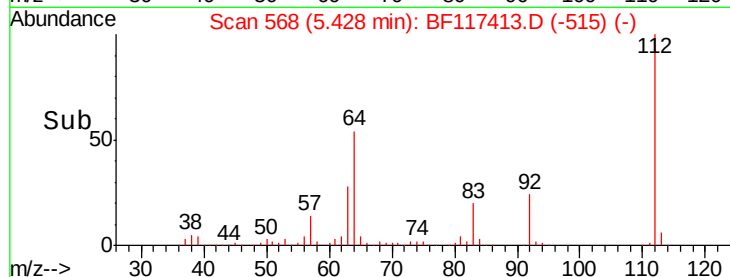
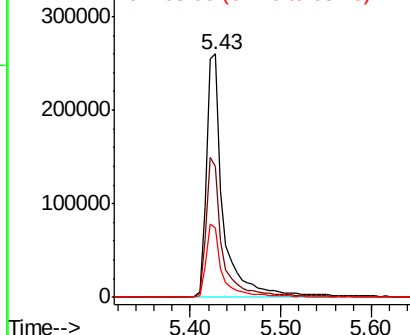
Tot Ion:	112	Resp:	343703
Ion Ratio	Lower	Upper	
112	100		
64	54.0	45.2	67.8
63	28.3	23.4	35.2

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM



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: 13.874 ng

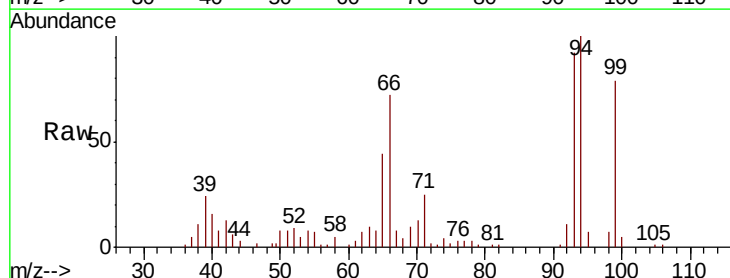
RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

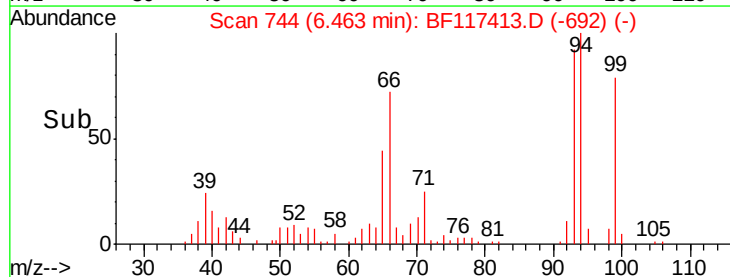
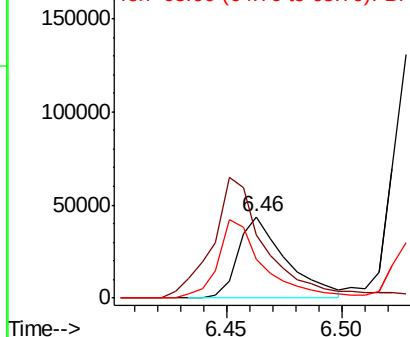
Lab File: BF117413.D

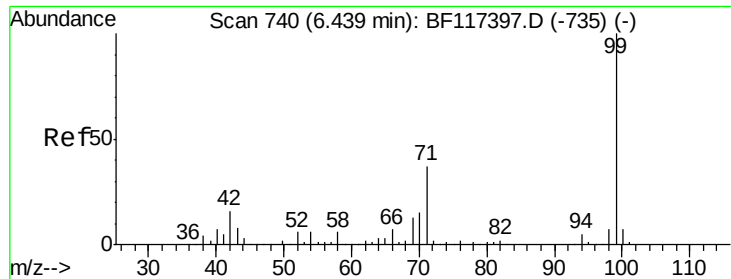
Acq: 16 Oct 2019 15:06

Tgt Ion:	93	Resp:	63025
Ion Ratio	Lower	Upper	
93	100		
66	78.3	48.4	72.6#
65	48.3	27.8	41.6#



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: 127.387 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

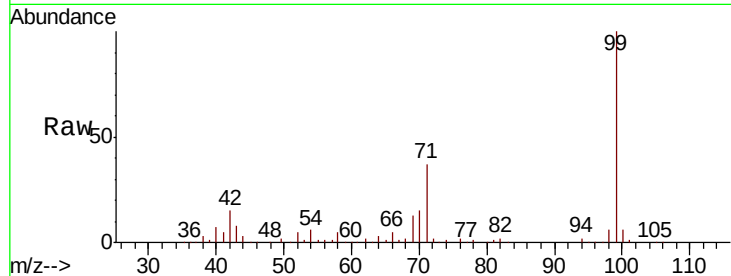
ClientSampleId :

OR-03-101119MSD

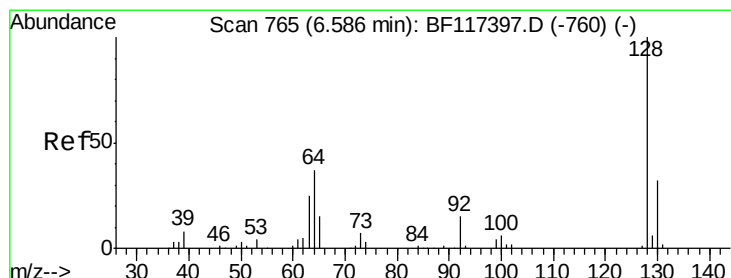
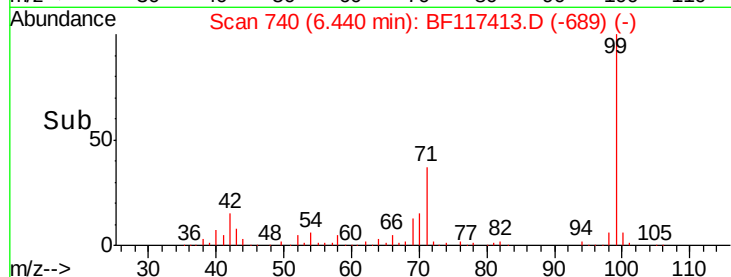
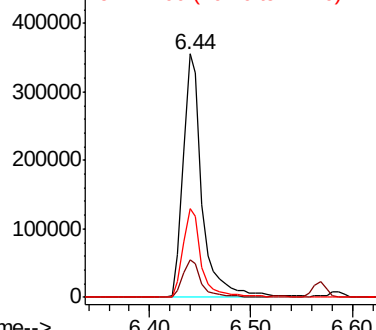
Tot Ion:	99	Resp:	463236
Ion Ratio	Lower	Upper	
99	100		
42	15.3	12.5	18.7
71	36.7	29.2	43.8

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM



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: 42.651 ng

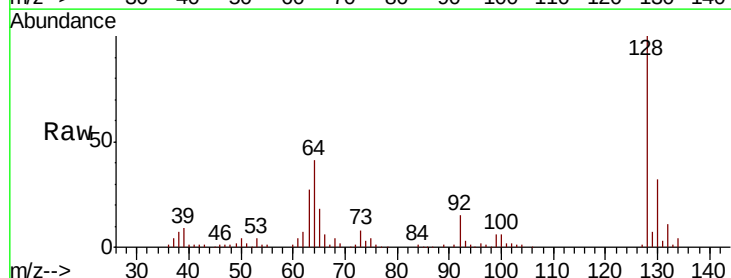
RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

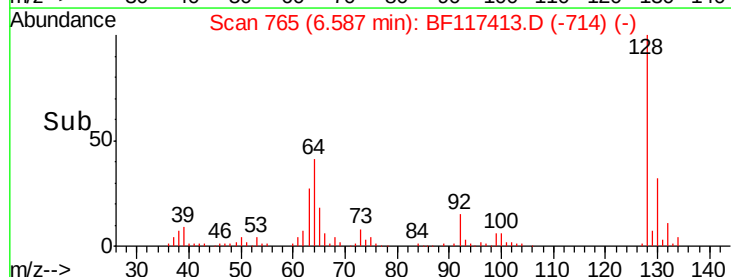
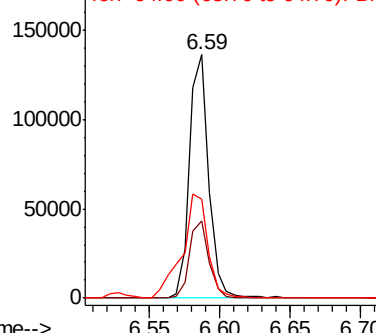
Lab File: BF117413.D

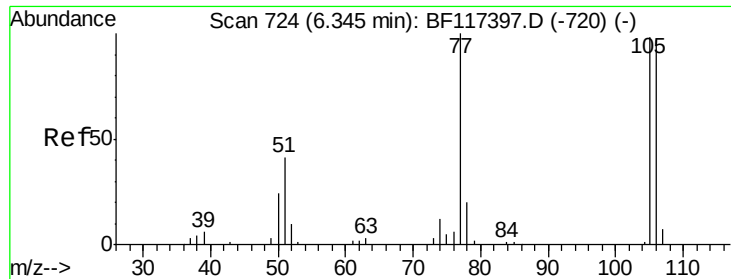
Acq: 16 Oct 2019 15:06

Tgt Ion:	128	Resp:	129963
Ion Ratio	Lower	Upper	
128	100		
130	32.0	11.7	51.7
64	40.7	20.4	60.4



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





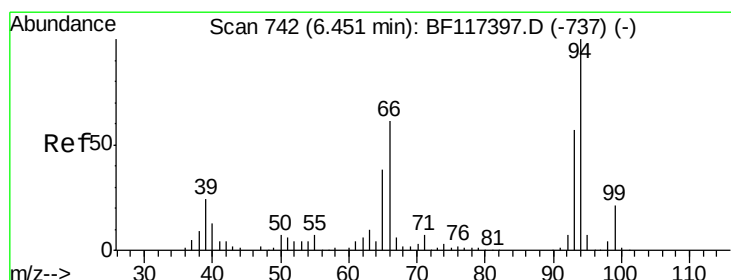
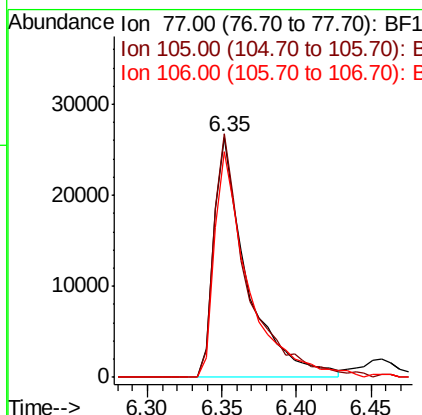
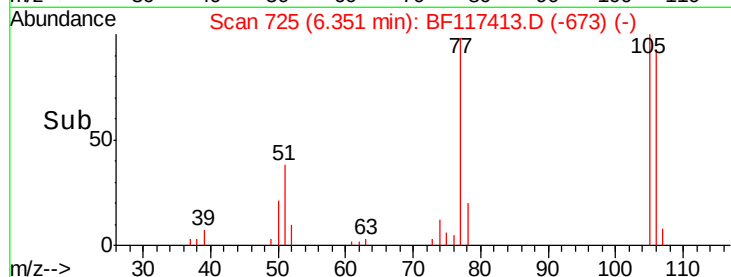
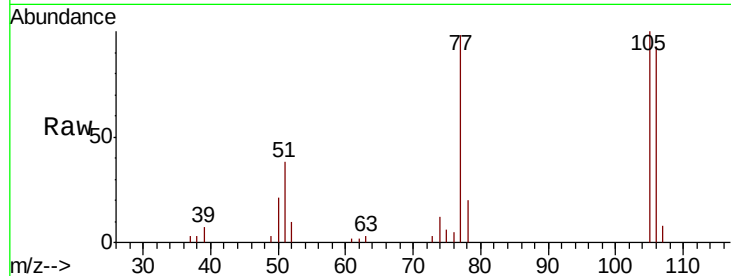
#9
Benzaldehyde
Concen: 18.624 ng
RT: 6.35 min Scan# 725
Delta R.T. 0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	101.5	77.9	117.9
106	94.2	77.2	117.2

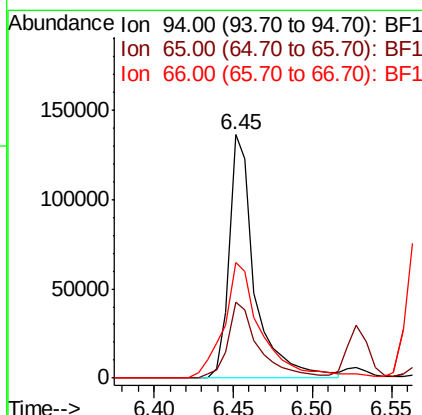
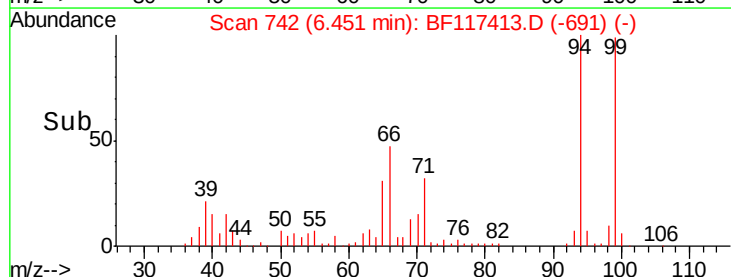
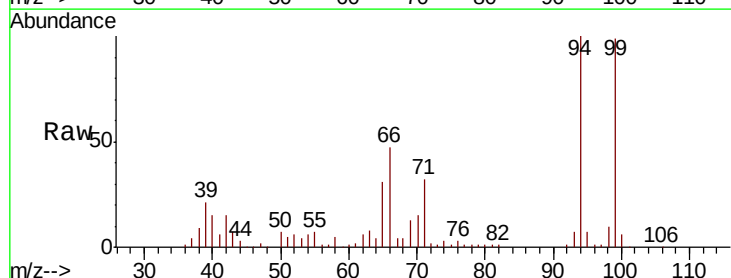
Manual Integrations
APPROVED

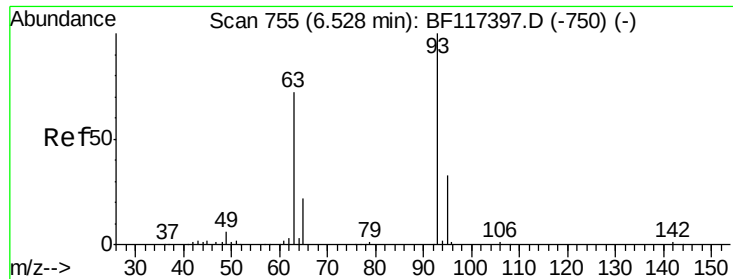
mohammad
10/18/2019 8:26:33 AM



#10
Phenol
Concen: 39.017 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
94	100		
65	31.0	18.2	58.2
66	47.3	41.1	81.1





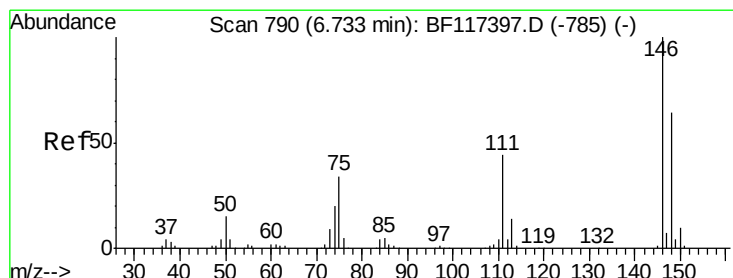
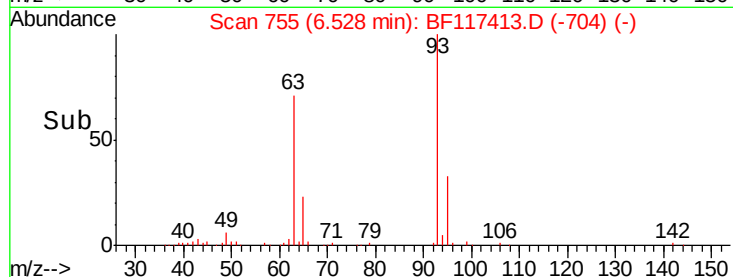
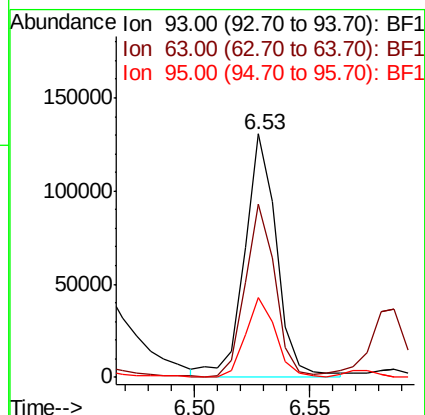
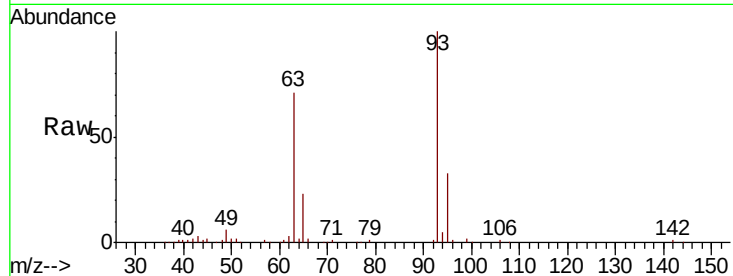
#11
bis(2-Chloroethyl)ether
Concen: 42.310 ng
RT: 6.53 min Scan# 755
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	93	Resp	126287
Ion Ratio	Lower	Upper	
93	100		
63	70.9	50.9	90.9
95	32.8	12.4	52.4

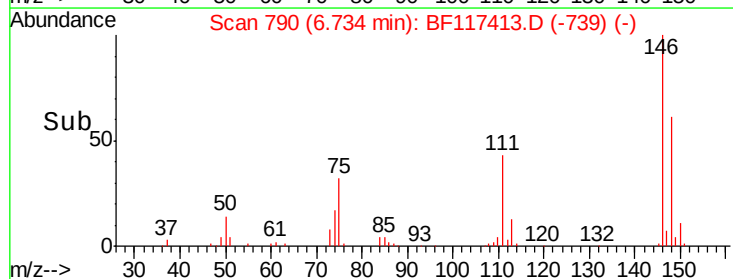
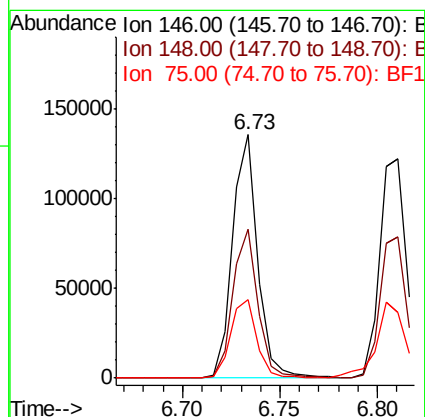
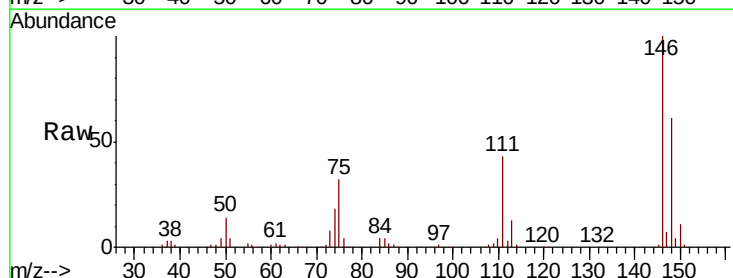
Manual Integrations
APPROVED

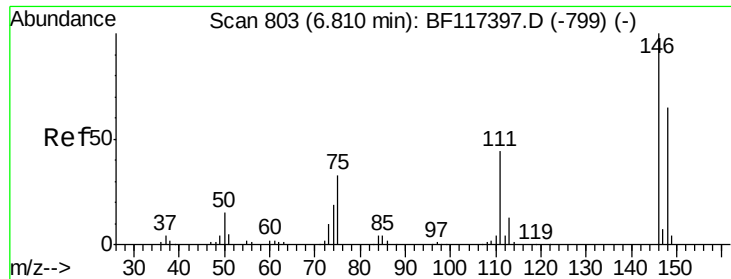
mohammad
10/18/2019 8:26:33 AM



#12
1,3-Dichlorobenzene
Concen: 35.534 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	146	Resp	121085
Ion Ratio	Lower	Upper	
146	100		
148	61.1	51.0	76.6
75	32.1	27.4	41.2





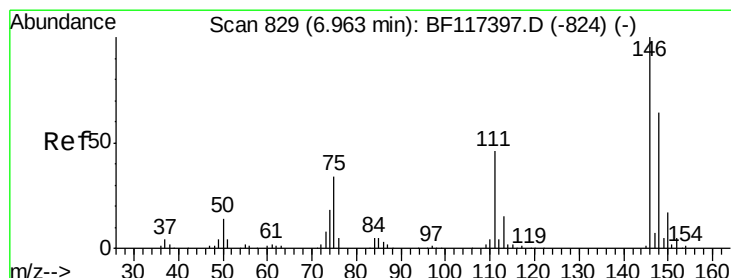
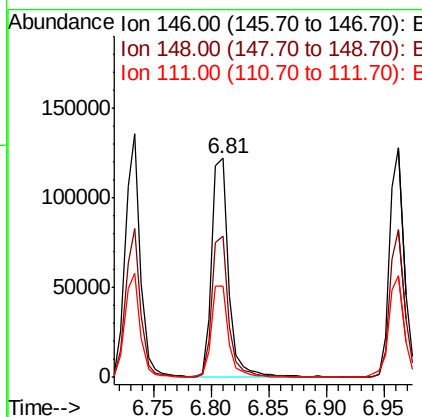
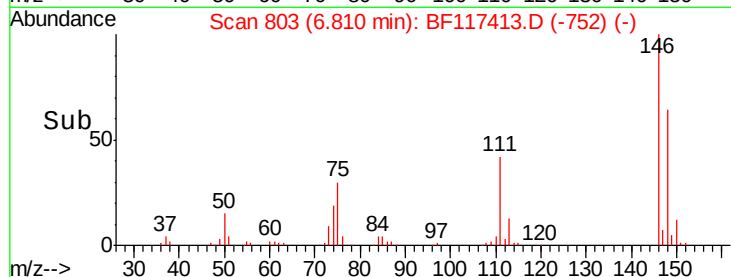
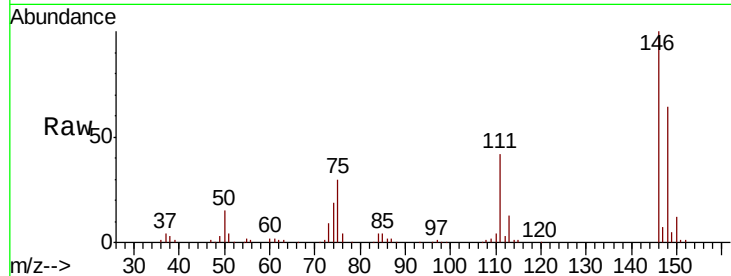
#13
 1,4-Dichlorobenzene
 Concen: 36.034 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.2	78.2
111	41.5	35.7	53.5

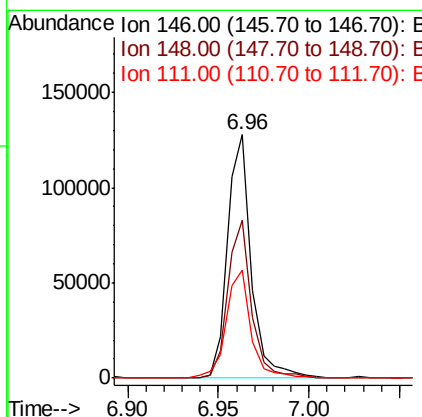
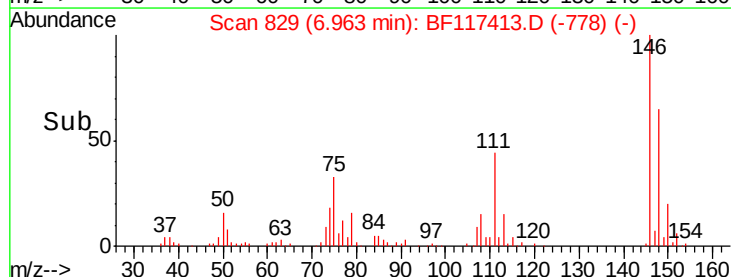
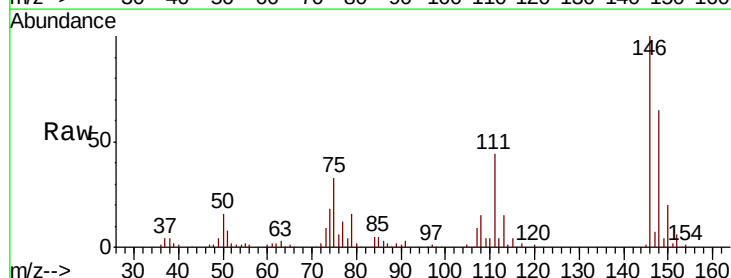
Manual Integrations
 APPROVED

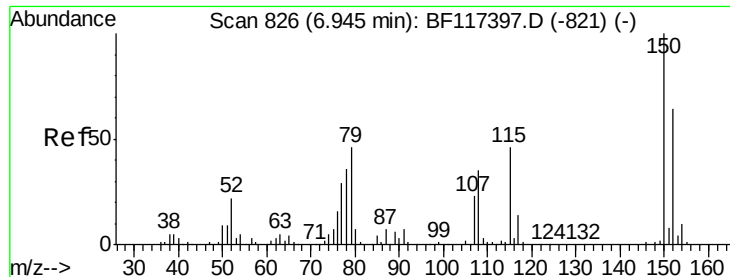
mohammad
 10/18/2019 8:26:33 AM



#14
 1,2-Dichlorobenzene
 Concen: 35.632 ng
 RT: 6.96 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.6
111	44.4	36.5	54.7





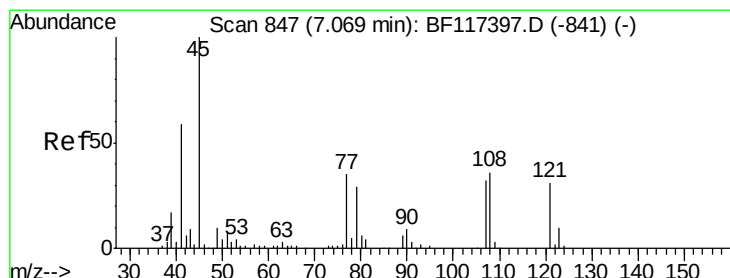
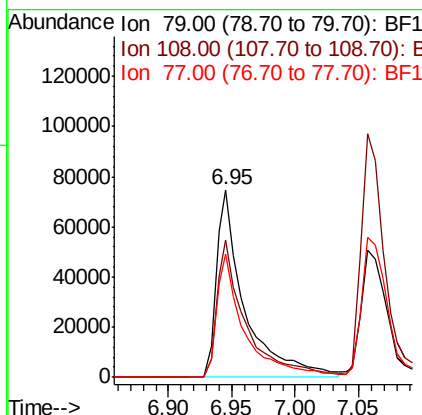
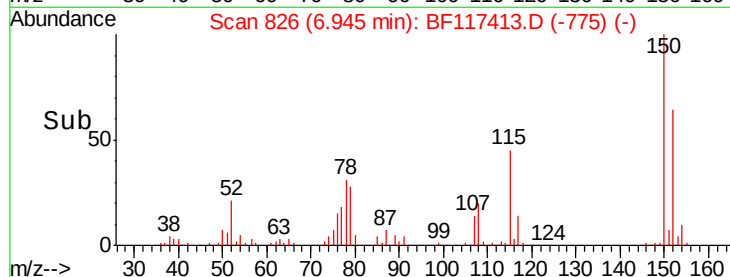
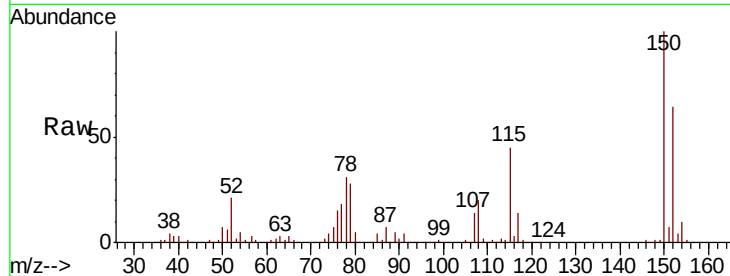
#15
Benzyl Alcohol
Concen: 41.785 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
108	73.1	60.4	90.6		
77	65.6	50.6	76.0		

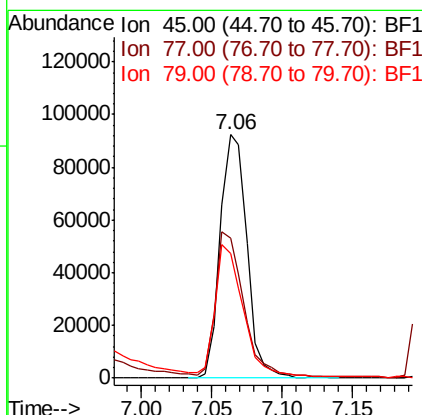
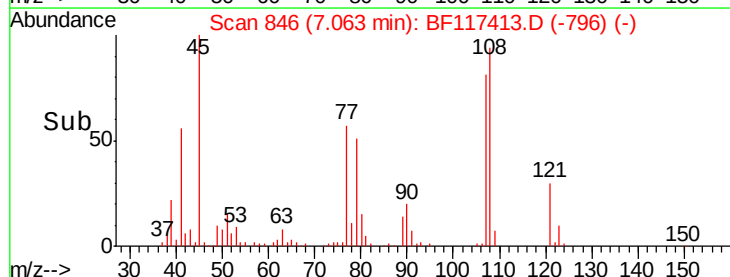
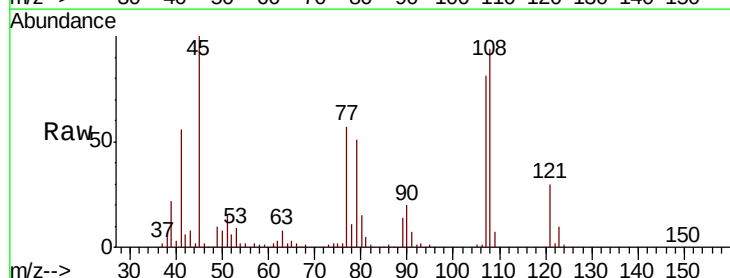
Manual Integrations
APPROVED

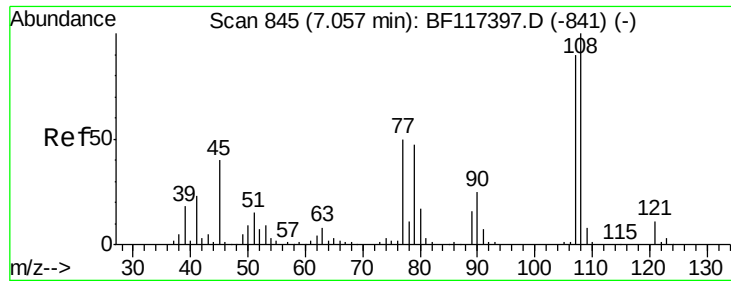
mohammad
10/18/2019 8:26:33 AM



#16
2,2'-oxybis(1-chloropropane)
Concen: 38.829 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100				
77	57.3	15.9	55.9#		
79	51.2	10.7	50.7#		





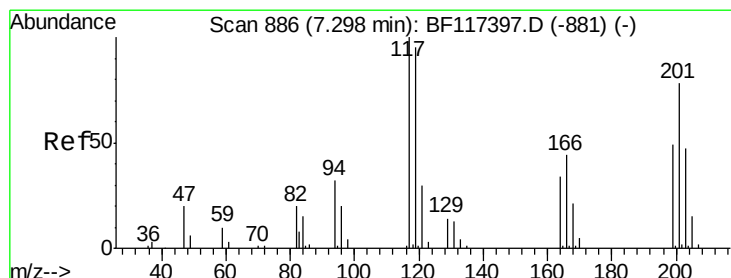
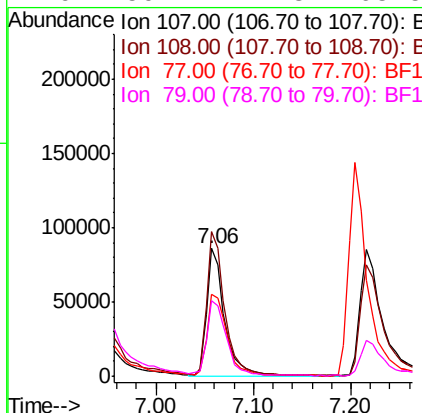
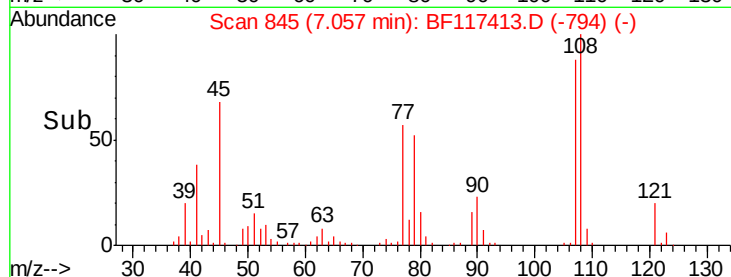
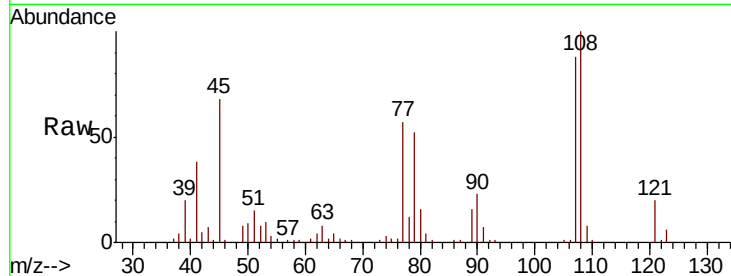
#17
2-Methylphenol
Concen: 43.591 ng
RT: 7.06 min Scan# 845
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.0	89.4	134.2	
77	64.8	45.1	67.7	
79	59.1	42.3	63.5	

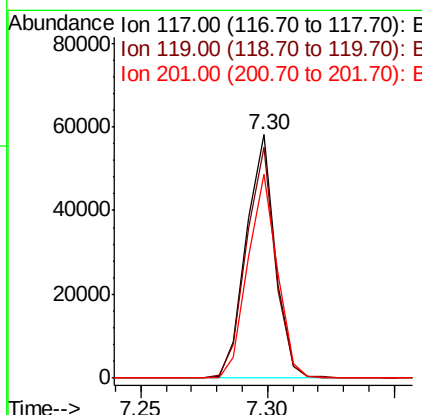
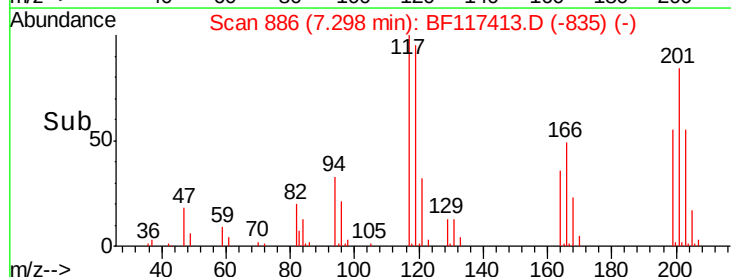
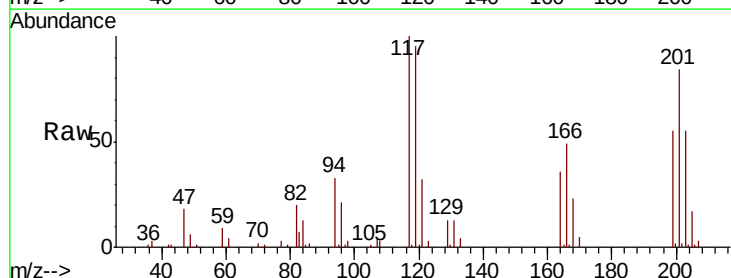
Manual Integrations
APPROVED

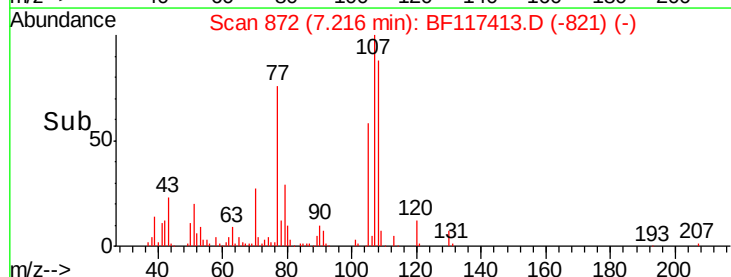
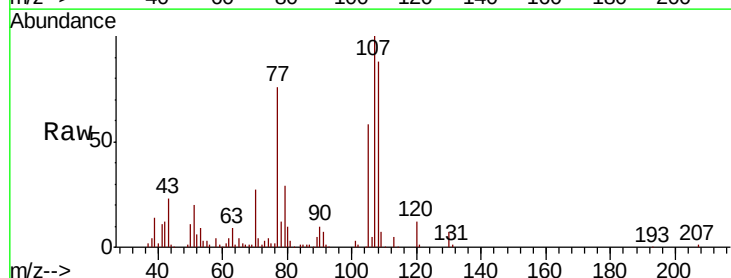
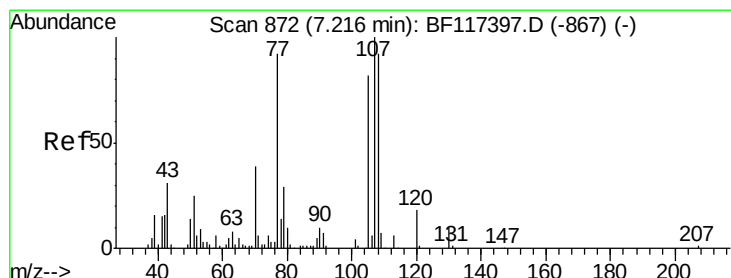
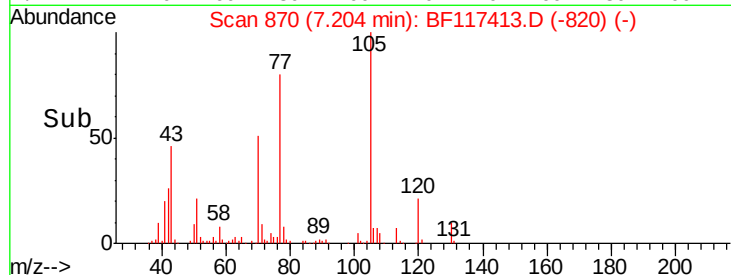
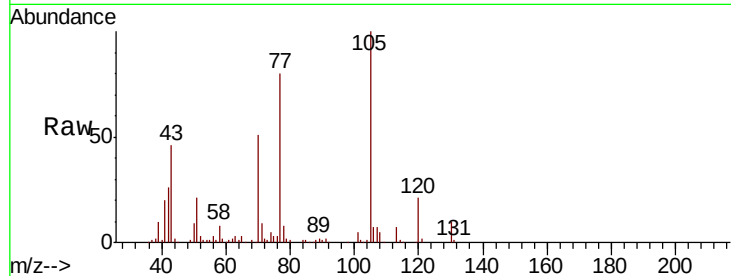
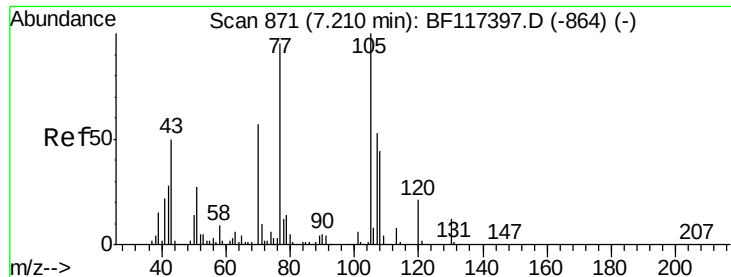
mohammad
10/18/2019 8:26:33 AM



#18
Hexachloroethane
Concen: 34.211 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.8	75.7	113.5	
201	84.0	62.2	93.4	





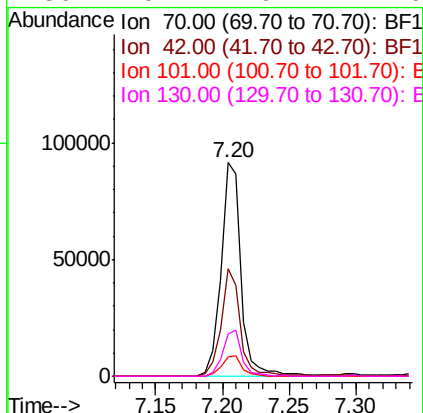
#19
n-Nitroso-di-n-propylamine
Concen: 41.929 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	50.2	39.8	59.8
101	9.0	8.1	12.1
130	19.7	16.4	24.6

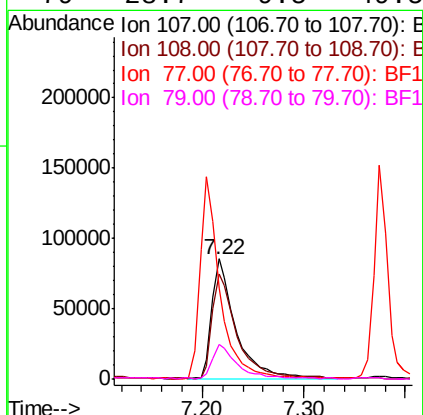
Manual Integrations
APPROVED

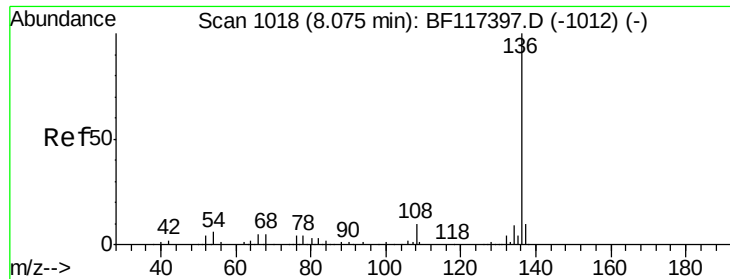
mohammad
10/18/2019 8:26:33 AM



#20
3+4-Methylphenols
Concen: 43.740 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.7	71.8	111.8
77	76.3	72.7	112.7
79	28.7	9.5	49.5





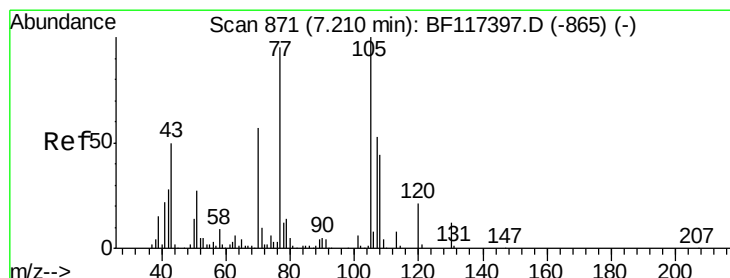
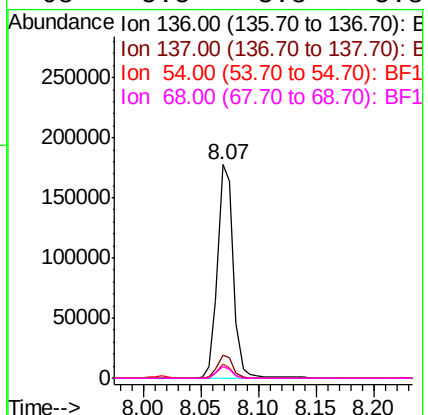
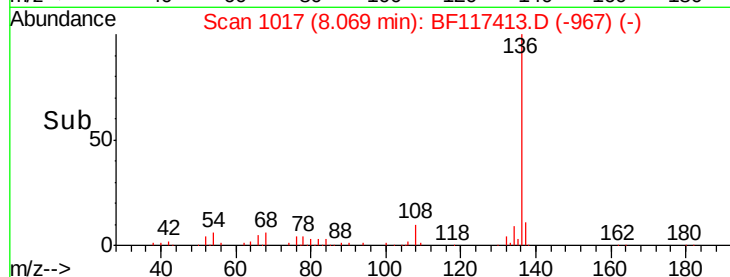
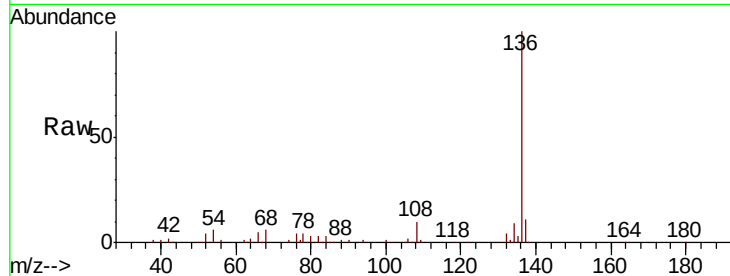
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-10119MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	170487		
137	10.7		8.4	12.6
54	6.5		4.6	6.8
68	5.5		3.8	5.8

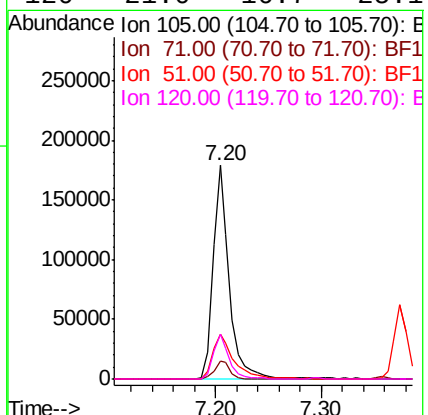
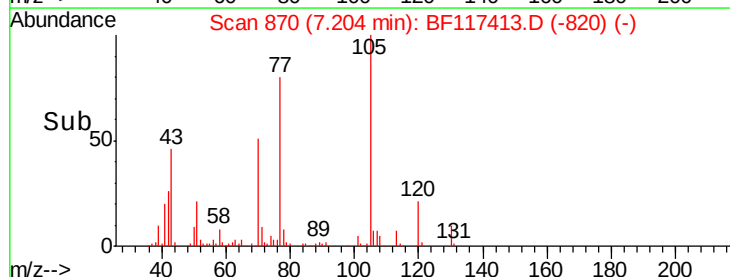
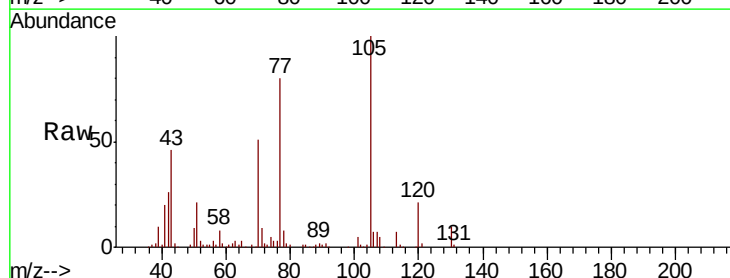
Manual Integrations
APPROVED

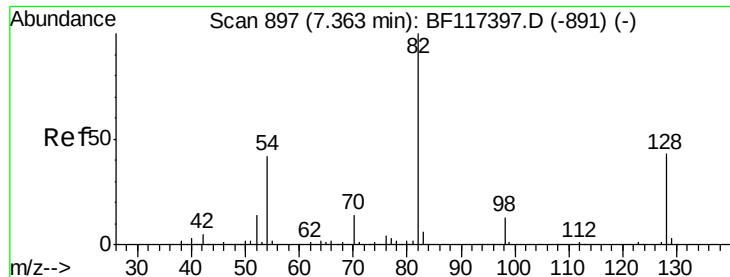
mohammad
10/18/2019 8:26:33 AM



#22
Acetophenone
Concen: 42.967 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	192223		
71	8.6		7.8	11.6
51	21.3		21.5	32.3#
120	21.0		16.7	25.1





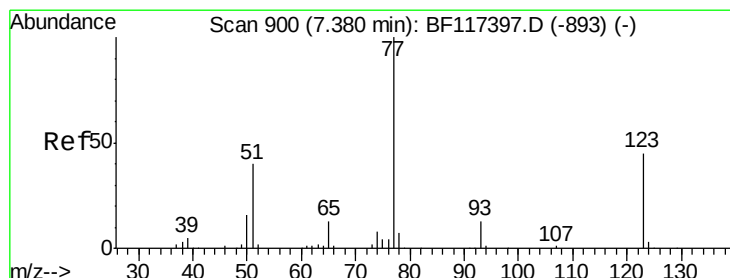
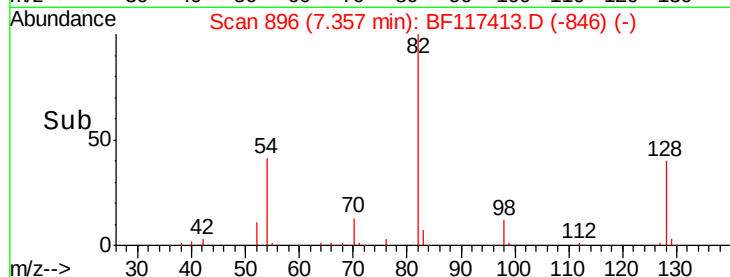
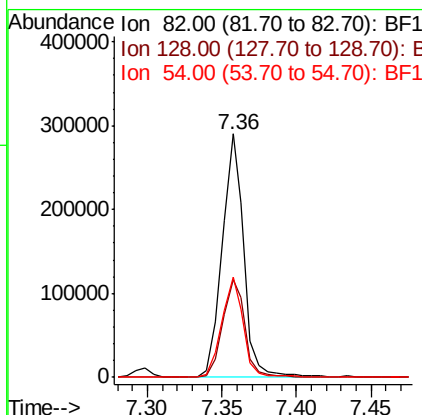
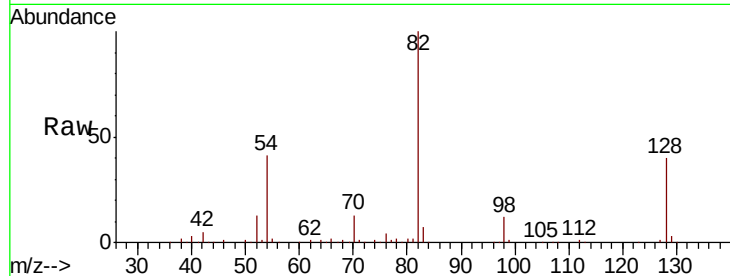
#23
 Nitrobenzene-d5
 Concen: 88.246 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	296796		
128	40.2		34.1	51.1
54	41.4		33.3	49.9

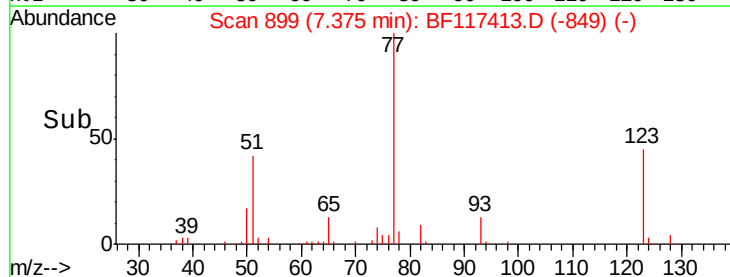
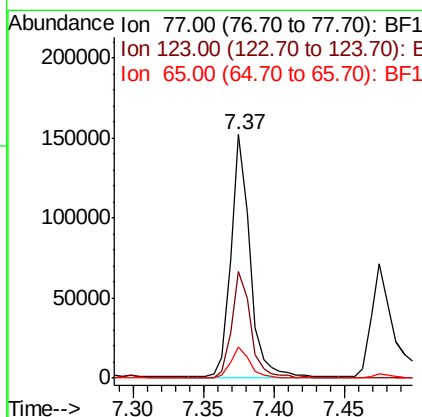
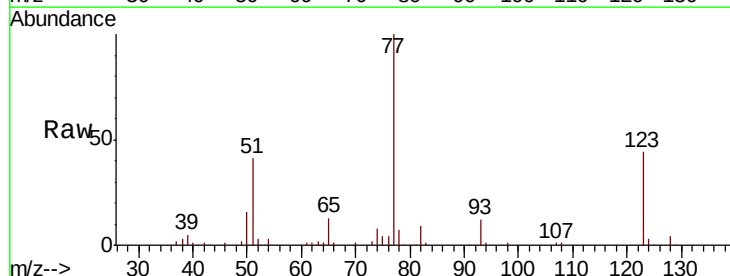
Manual Integrations
 APPROVED

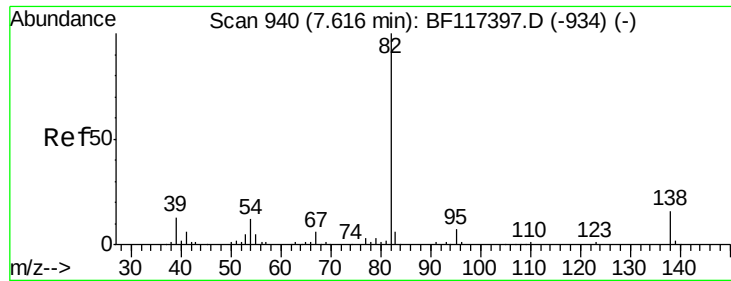
mohammad
 10/18/2019 8:26:33 AM



#24
 Nitrobenzene
 Concen: 42.905 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	144551		
123	43.7		35.8	53.8
65	12.6		10.1	15.1





#25

Isophorone

Concen: 45.835 ng

RT: 7.62 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

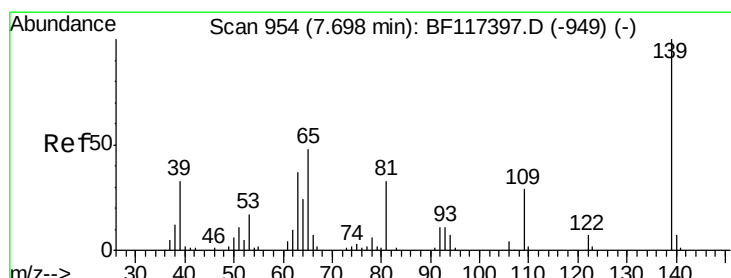
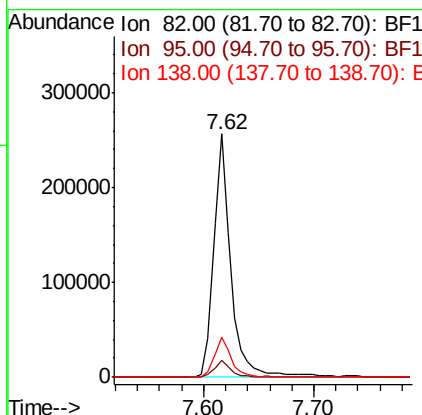
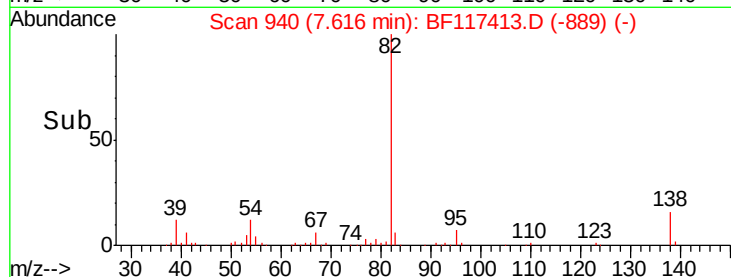
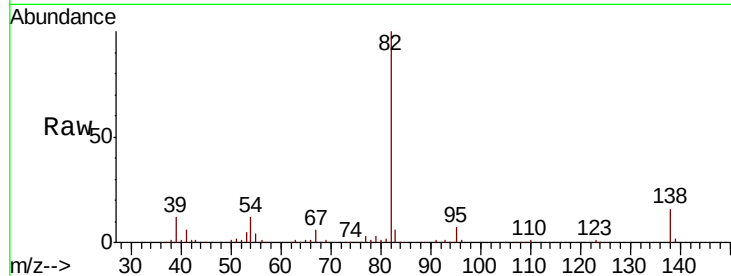
ClientSampleId :

OR-03-101119MSD

Tot Ion:	82	Resp:	274612
Ion Ratio		Lower	Upper
82	100		
95	6.8	5.4	8.0
138	16.4	13.0	19.4

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM



#26

2-Nitrophenol

Concen: 45.461 ng

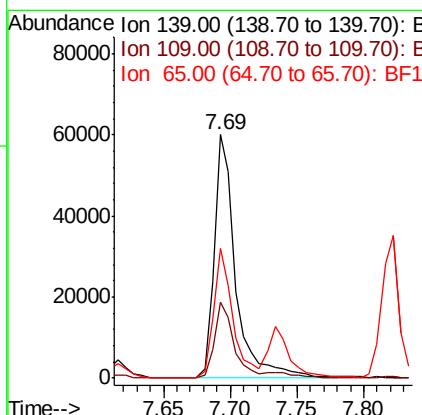
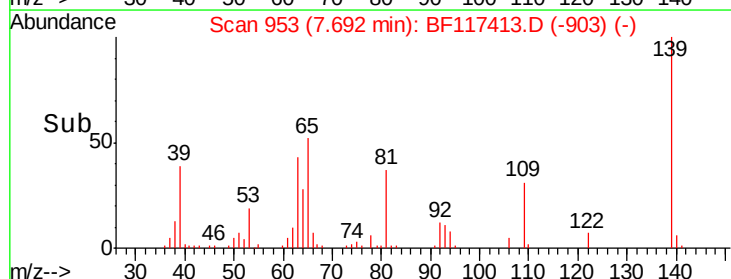
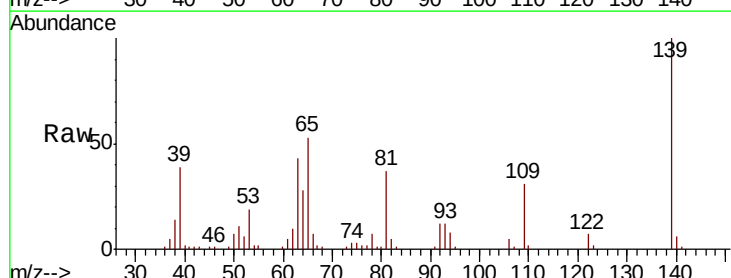
RT: 7.69 min Scan# 953

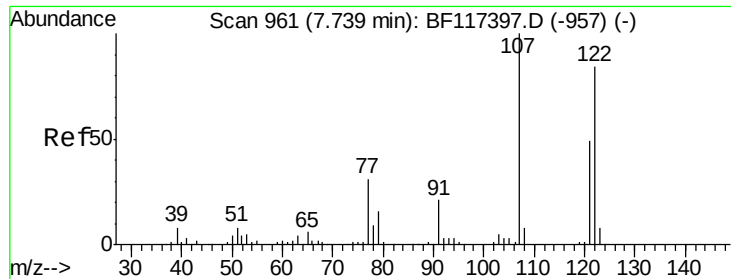
Delta R.T. -0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Tgt Ion:	139	Resp:	67954
Ion Ratio		Lower	Upper
139	100		
109	31.2	23.1	34.7
65	53.1	38.2	57.4





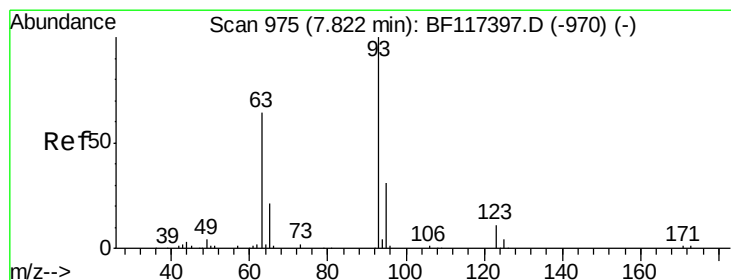
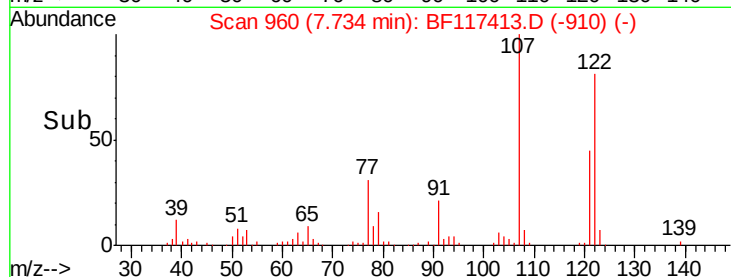
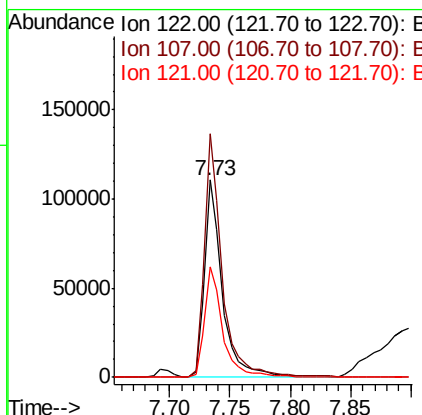
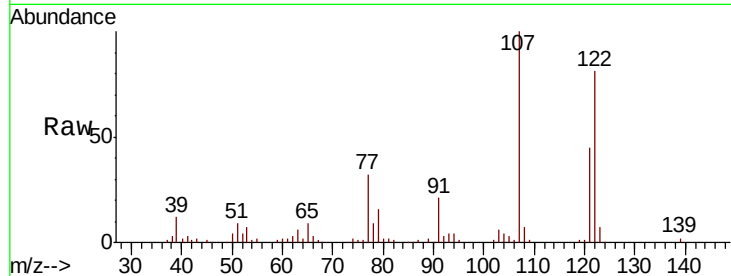
#27
 2,4-Dimethylphenol
 Concen: 49.597 ng
 RT: 7.73 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	123.6	95.0	142.6
121	56.0	46.6	69.8

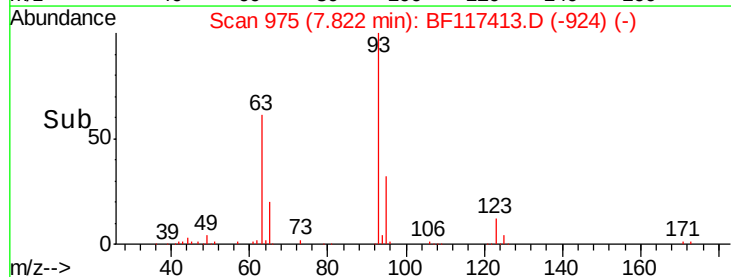
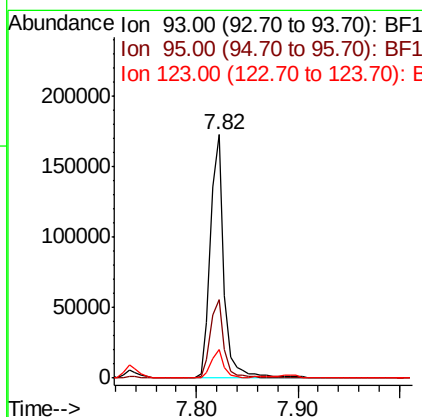
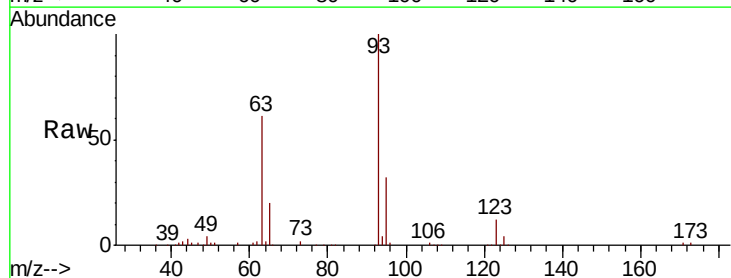
Manual Integrations
 APPROVED

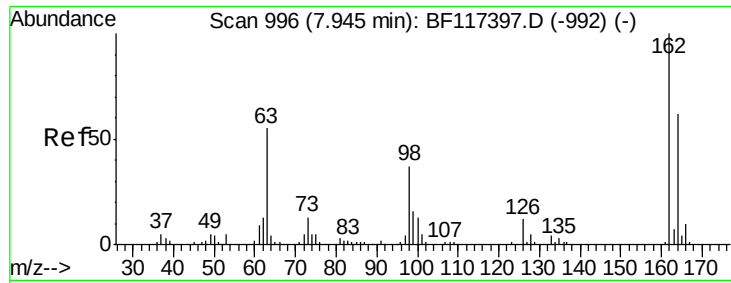
mohammad
 10/18/2019 8:26:33 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 43.309 ng
 RT: 7.82 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.1	37.7
123	11.6	8.6	12.8





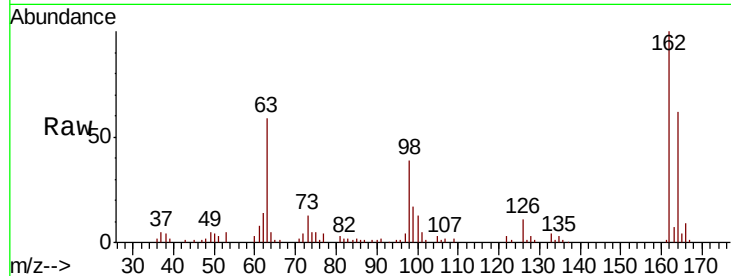
#29
2,4-Dichlorophenol
Concen: 46.353 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	61.6	42.2	82.2
98	39.0	17.4	57.4

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM

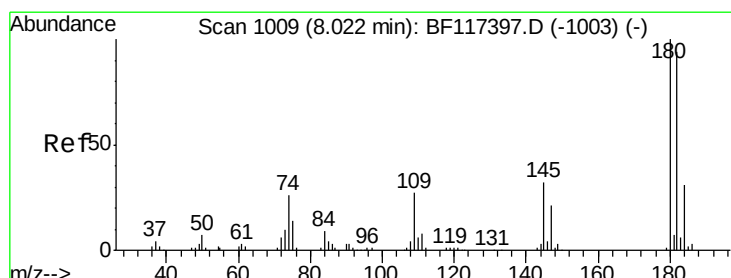
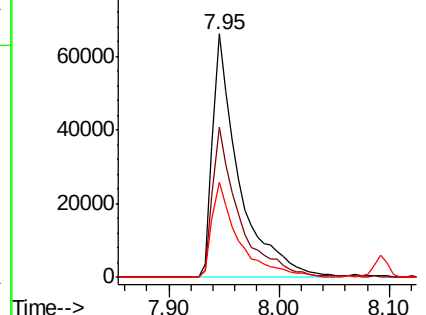
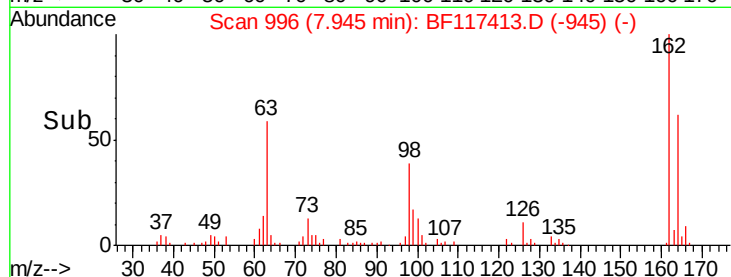


Abundance

Ion 162.00 (161.70 to 162.70): E

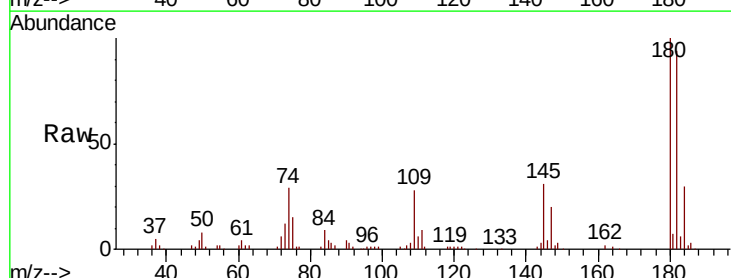
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 40.895 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.4	113.2
145	31.5	25.5	38.3

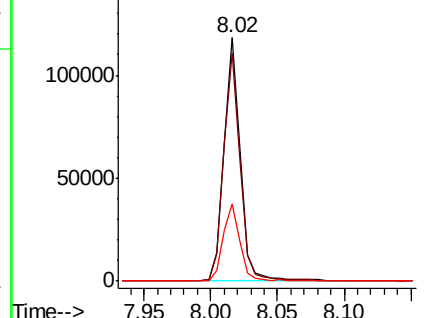
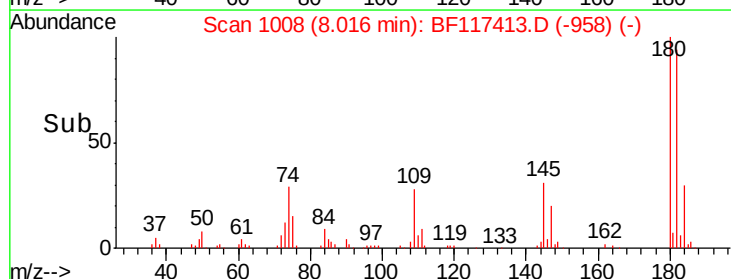


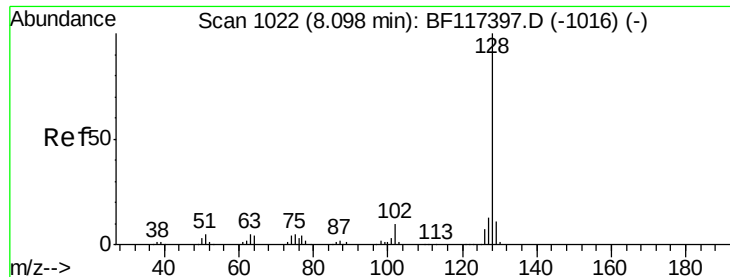
Abundance

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





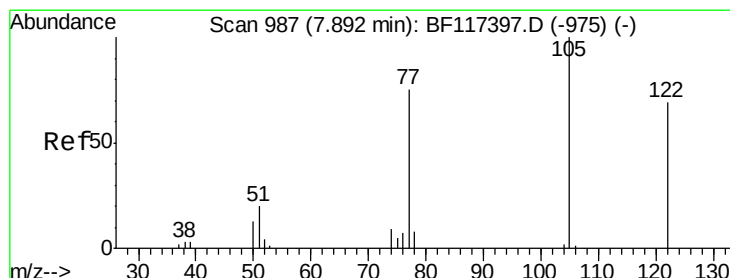
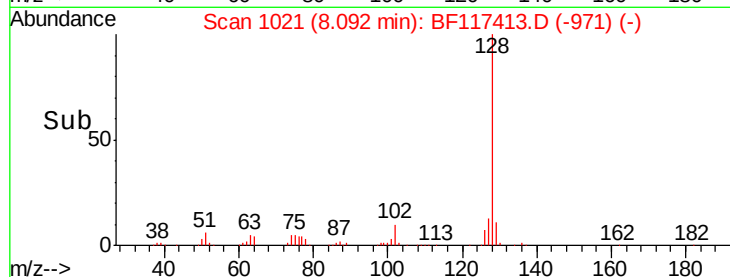
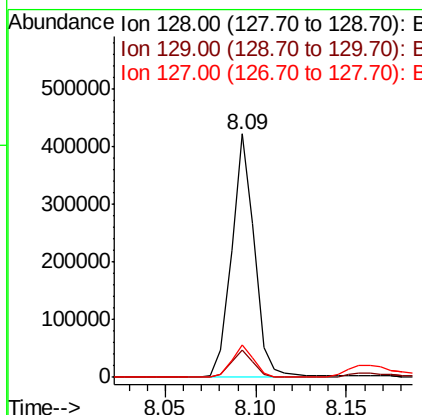
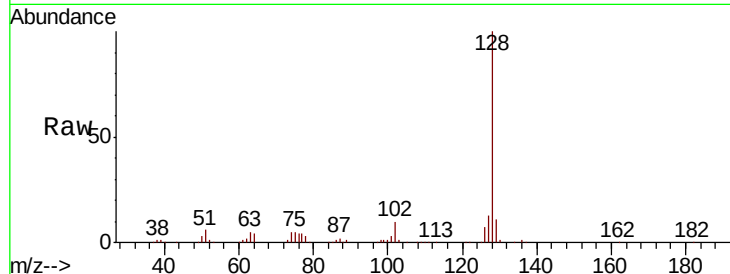
#31
Naphthalene
Concen: 43.488 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.2	8.6	12.8	
127	13.1	10.4	15.6	

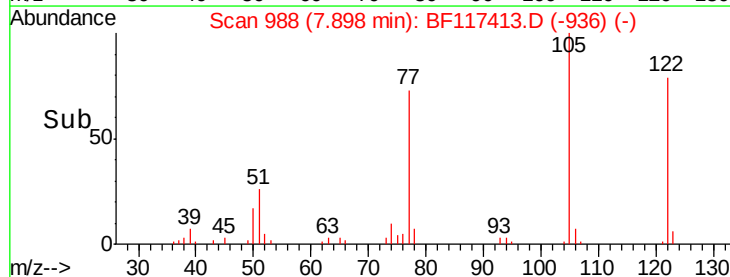
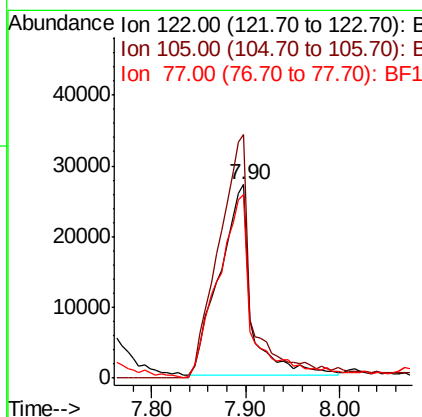
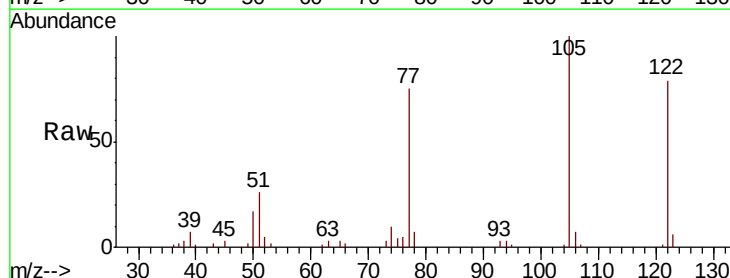
Manual Integrations
APPROVED

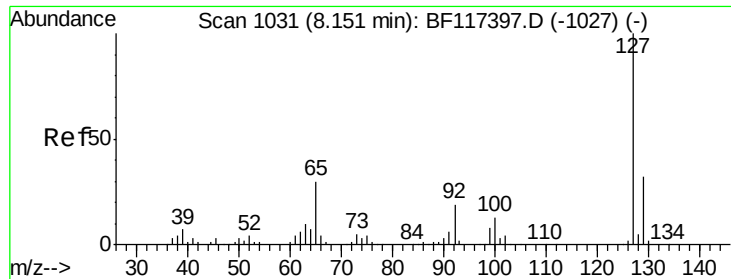
mohammad
10/18/2019 8:26:33 AM



#32
Benzoic acid
Concen: 42.888 ng
RT: 7.90 min Scan# 988
Delta R.T. 0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	126.1	121.5	161.5	
77	95.1	88.3	128.3	





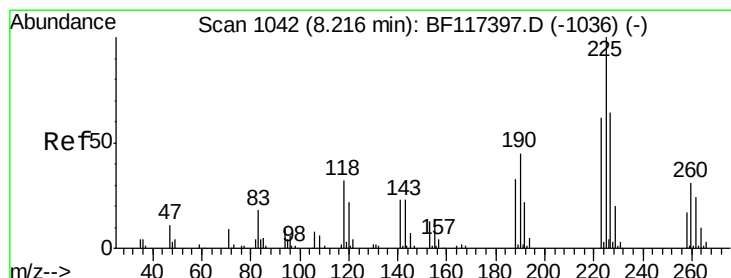
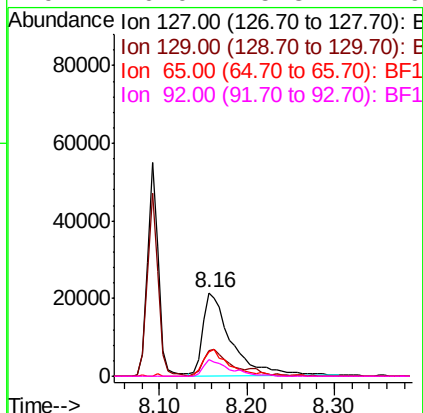
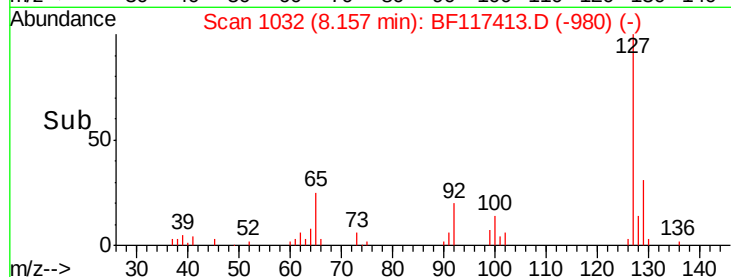
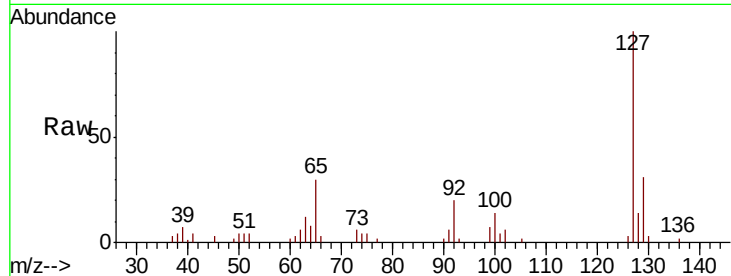
#33
4-Chloroaniline
Concen: 13.112 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		47411		
129	30.7	25.4	38.0		
65	29.8	23.8	35.8		
92	20.0	15.3	22.9		

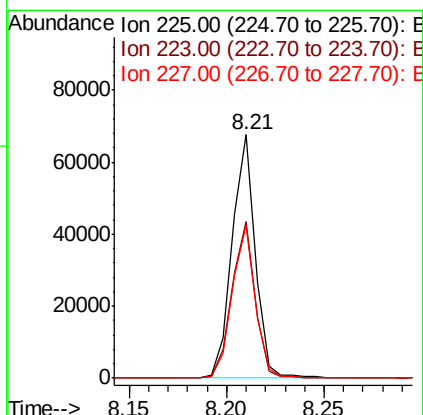
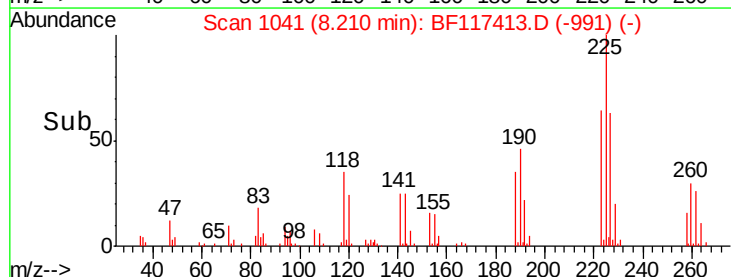
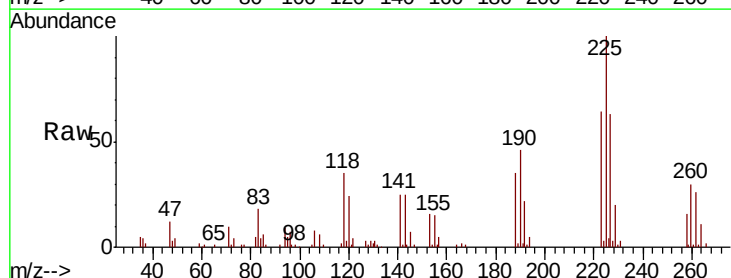
Manual Integrations
APPROVED

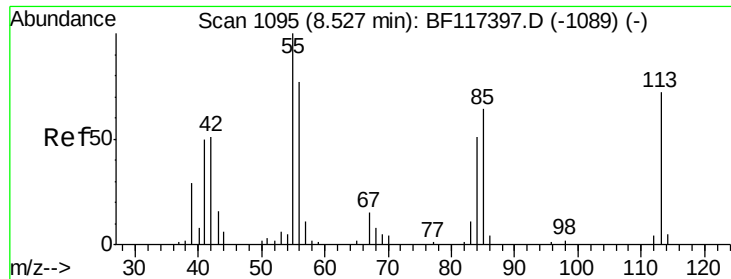
mohammad
10/18/2019 8:26:33 AM



#34
Hexachlorobutadiene
Concen: 38.363 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		55523		
223	64.2	49.7	74.5		
227	62.9	50.9	76.3		





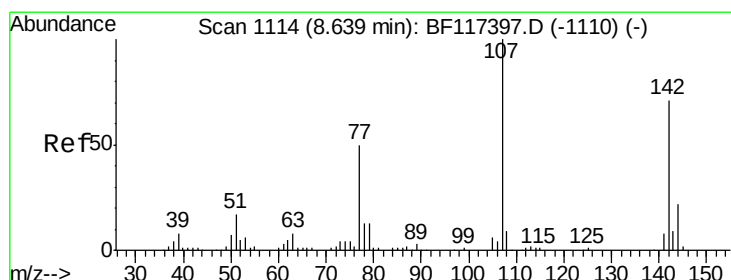
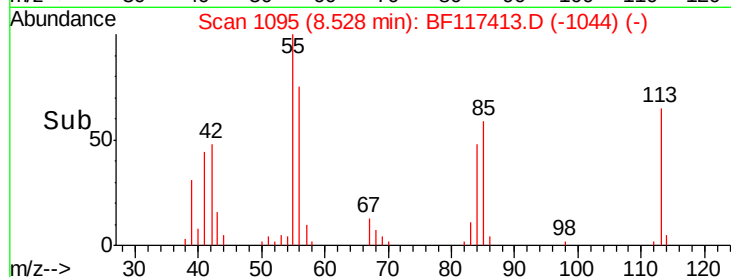
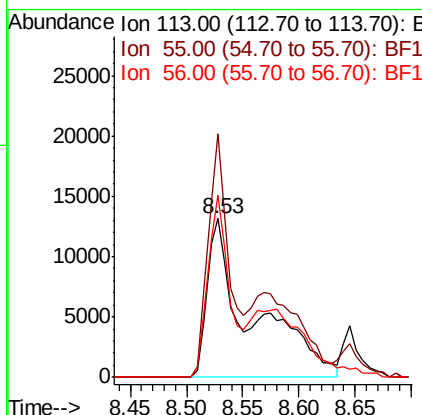
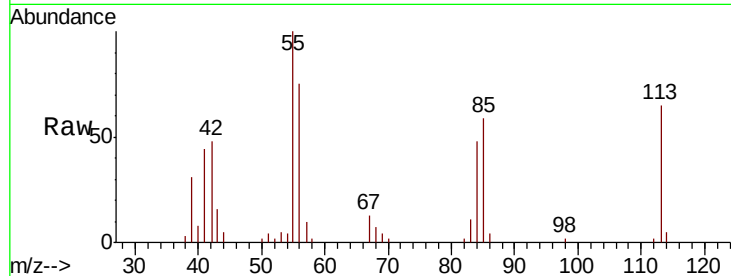
#35
 Caprolactam
 Concen: 48.718 ng/ml
 RT: 8.53 min Scan# 1095
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	153.0	118.5	158.5
56	114.6	86.7	126.7

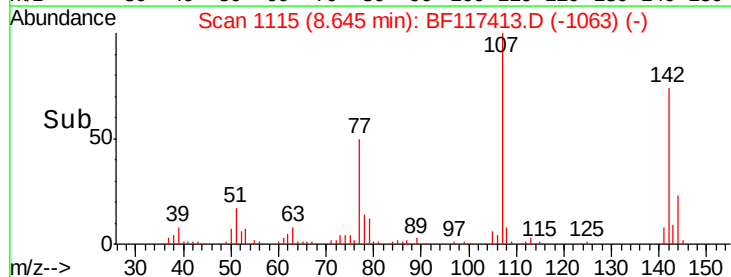
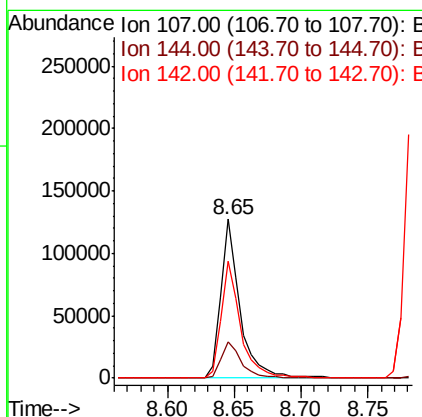
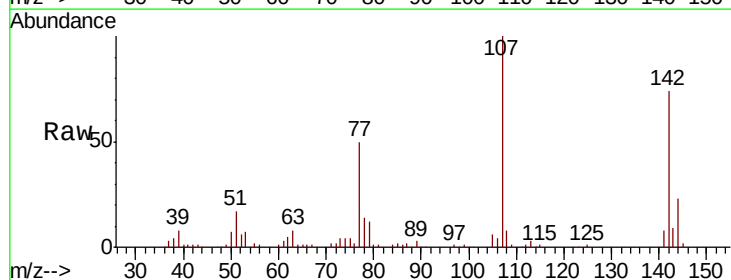
Manual Integrations
 APPROVED

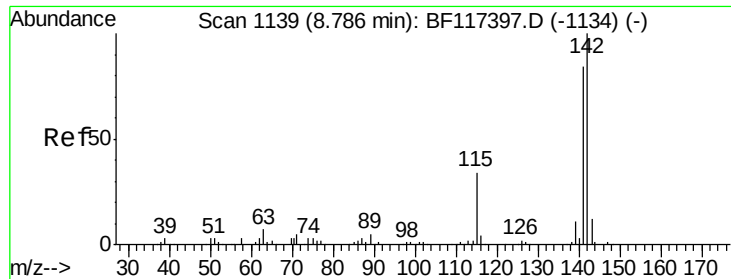
mohammad
 10/18/2019 8:26:33 AM



#36
 4-Chloro-3-methylphenol
 Concen: 48.529 ng/ml
 RT: 8.65 min Scan# 1115
 Delta R.T. 0.01 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.0	17.9	26.9
142	73.8	56.9	85.3





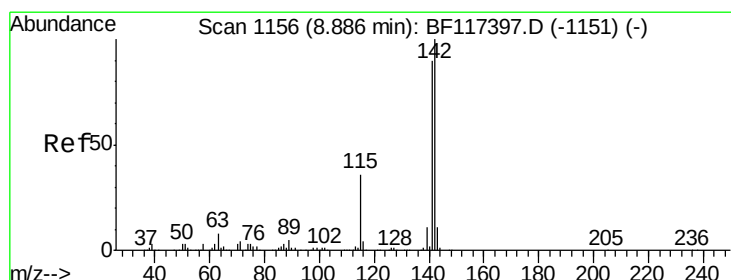
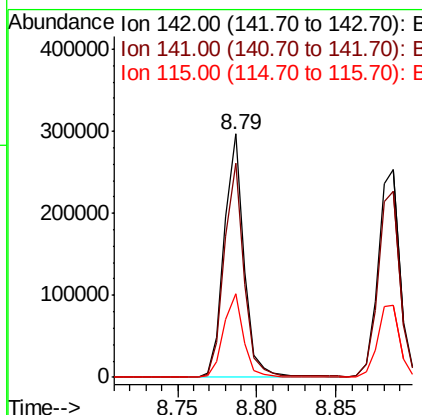
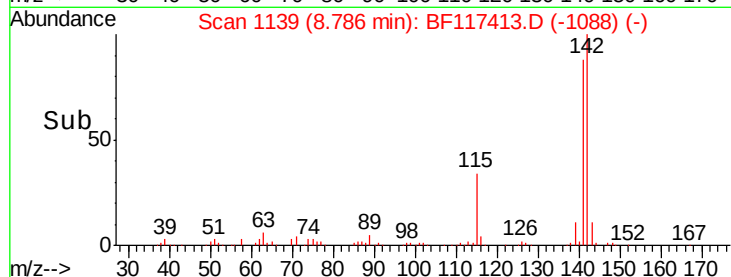
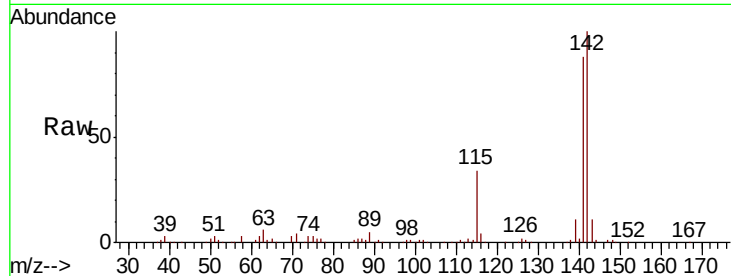
#37
2-Methylnaphthalene
Concen: 44.932 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	67.2	100.8
115	34.1	26.9	40.3

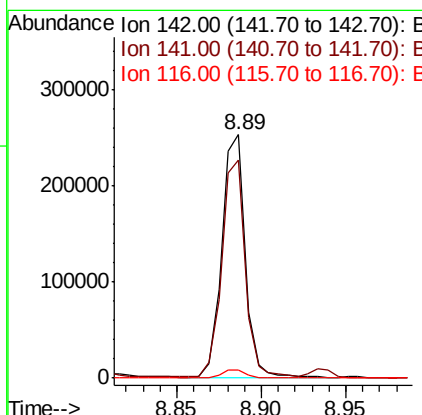
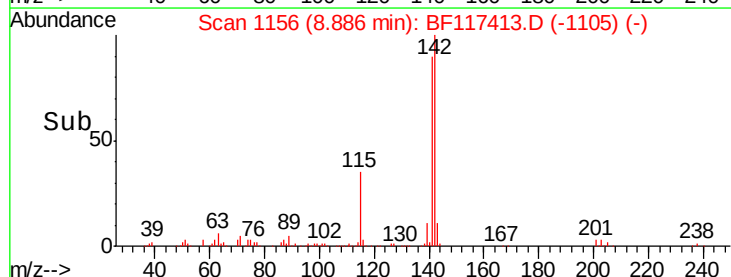
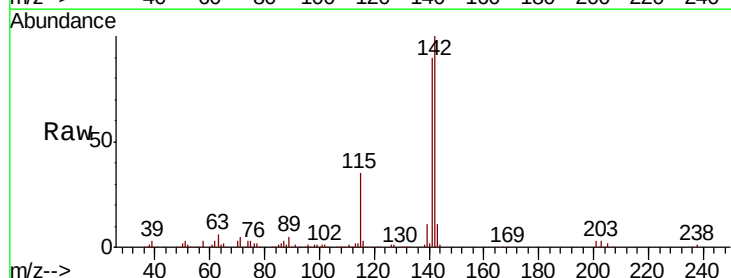
Manual Integrations
APPROVED

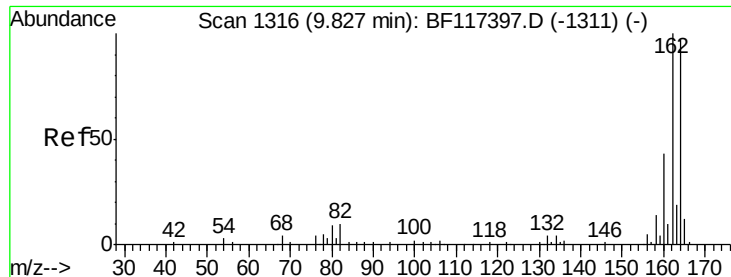
mohammad
10/18/2019 8:26:33 AM



#38
1-Methylnaphthalene
Concen: 44.813 ng
RT: 8.89 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.8	107.8
116	3.5	2.9	4.3





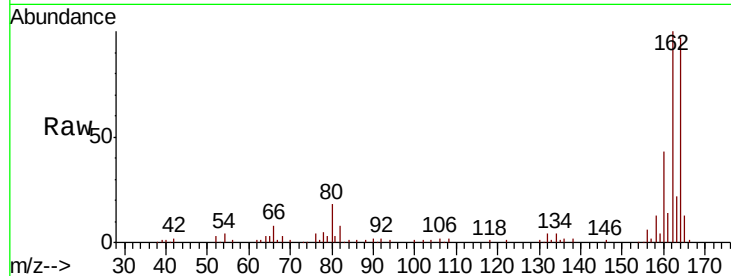
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.4	123.6
160	44.1	35.4	53.0

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM

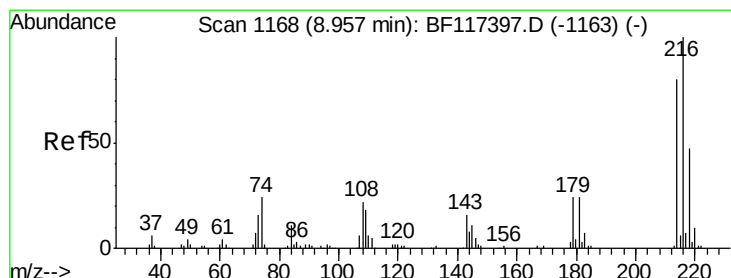
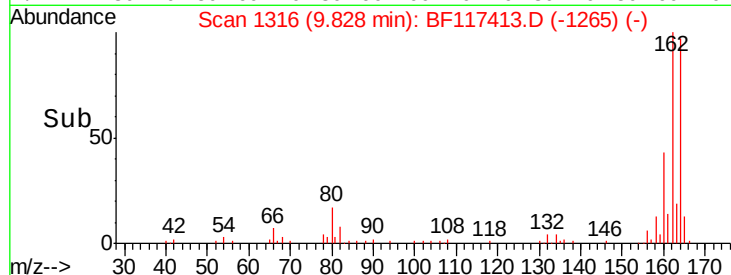
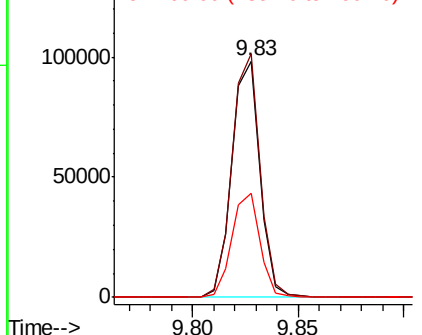


Abundance

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: 42.050 ng
RT: 8.96 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
216	100		
214	76.6	63.8	95.6
179	22.9	18.6	28.0
108	21.5	17.0	25.4

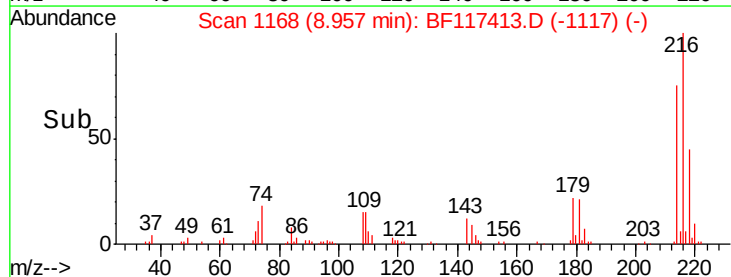
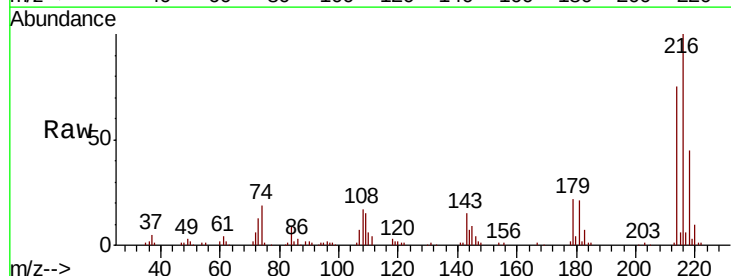
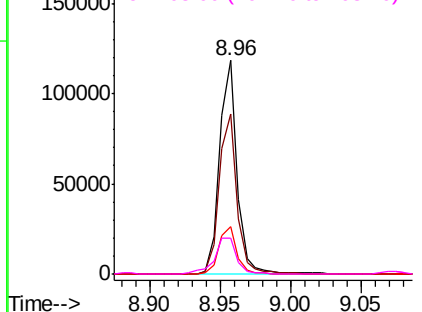
Abundance

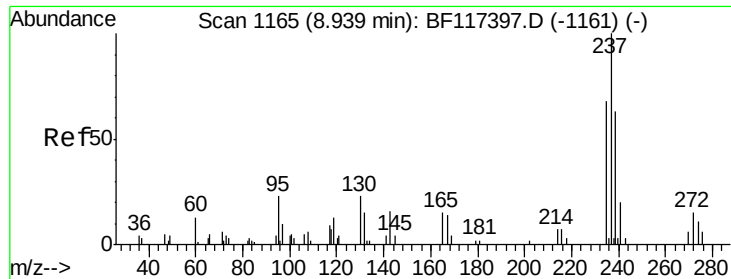
Ion 216.00 (215.70 to 216.70): E

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: 109.071 ng

RT: 8.94 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

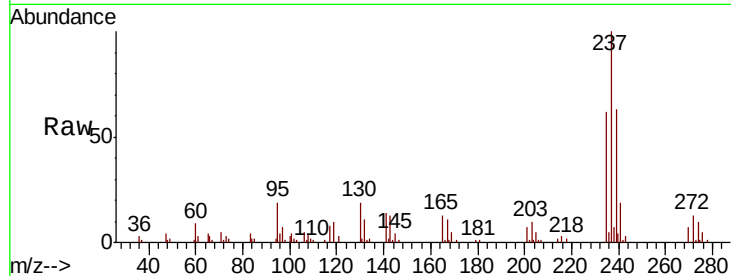
ClientSampleId :

OR-03-101119MSD

Tot Ion:	237	Resp:	49286
Ion Ratio	Lower	Upper	
237	100		
235	62.3	47.8	87.8
272	12.6	0.0	35.0

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM

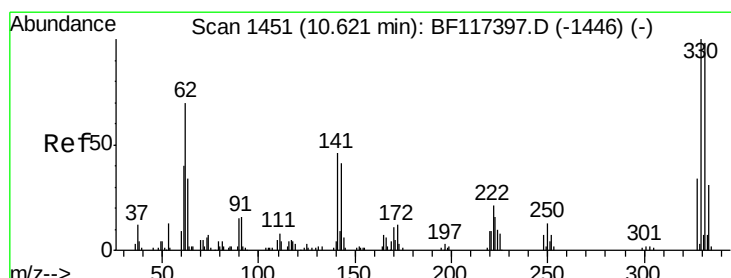
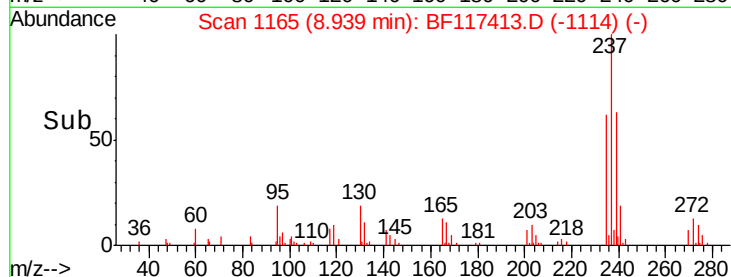
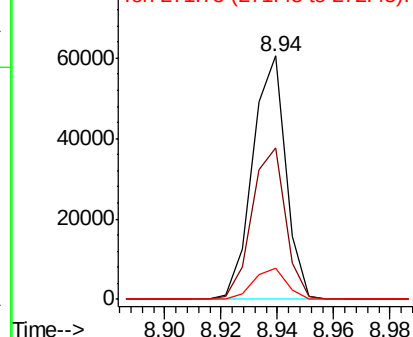


Abundance

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: 152.619 ng

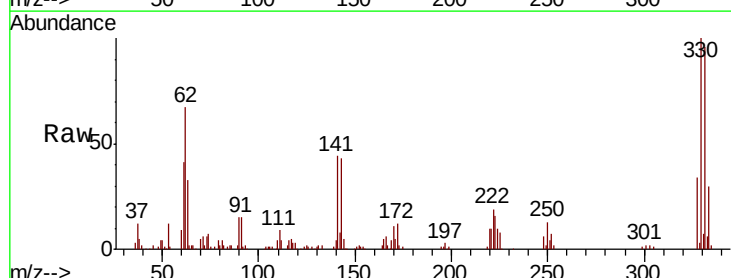
RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Tgt Ion:	330	Resp:	111681
Ion Ratio	Lower	Upper	
330	100		
332	96.9	75.0	112.6
141	42.7	34.2	51.4

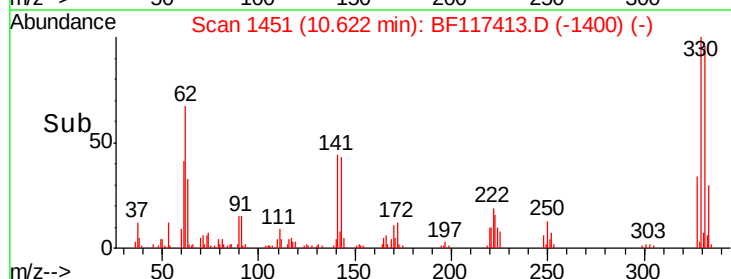
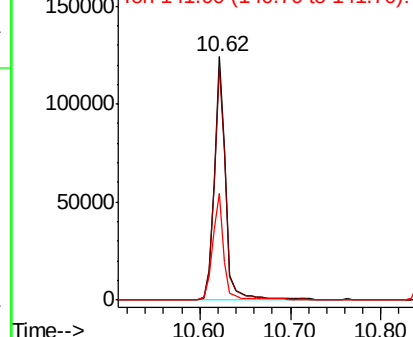


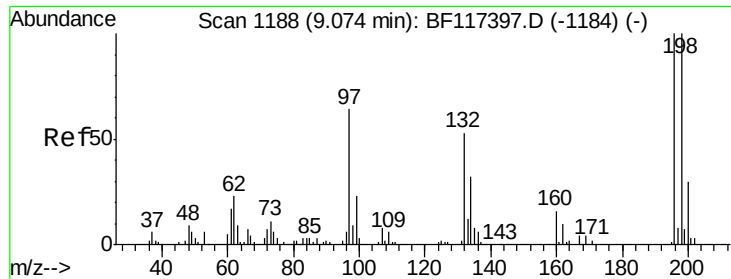
Abundance

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





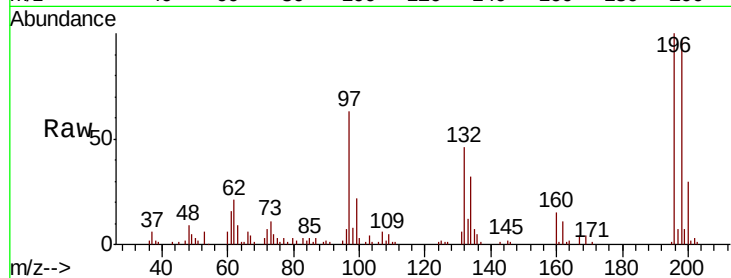
#43
 2,4,6-Trichlorophenol
 Concen: 46.158 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	70686		
198	97.2	79.8	119.6	
200	30.3	23.7	35.5	

Manual Integrations
 APPROVED

mohammad
 10/18/2019 8:26:33 AM

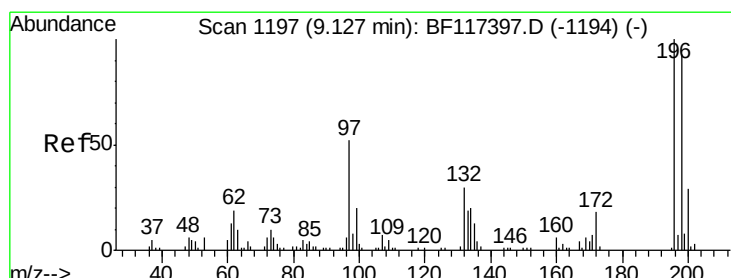
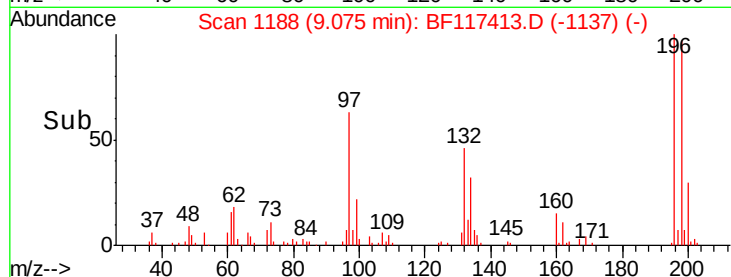
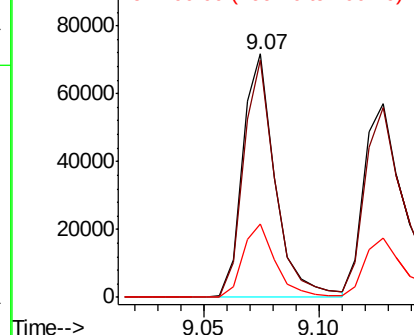


Abundance

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: 49.007 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	76553		
198	98.3	74.9	112.3	
97	55.2	42.5	63.7	
132	30.2	24.7	37.1	

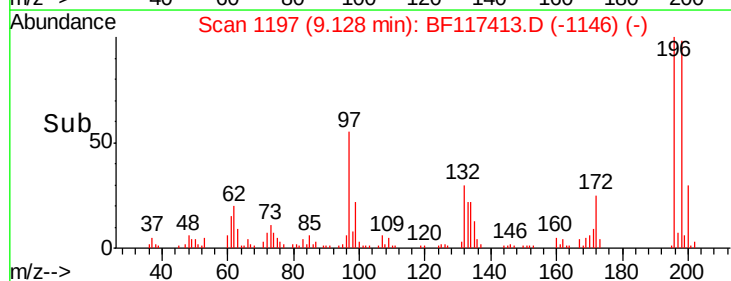
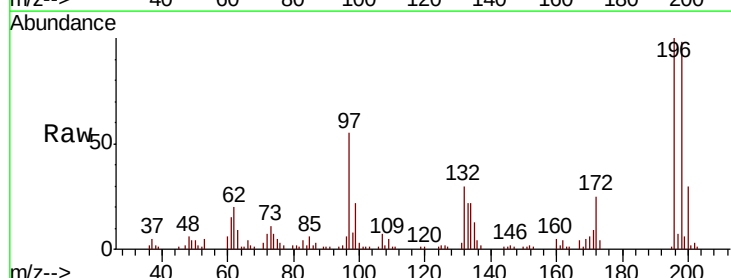
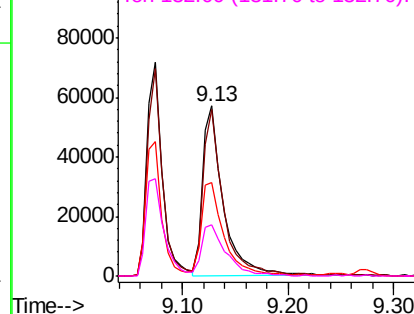
Abundance

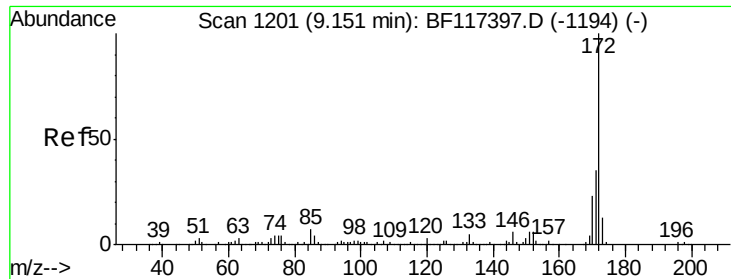
Ion 196.00 (195.70 to 196.70): E

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





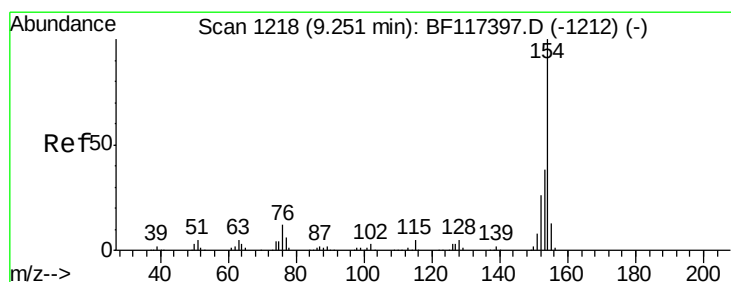
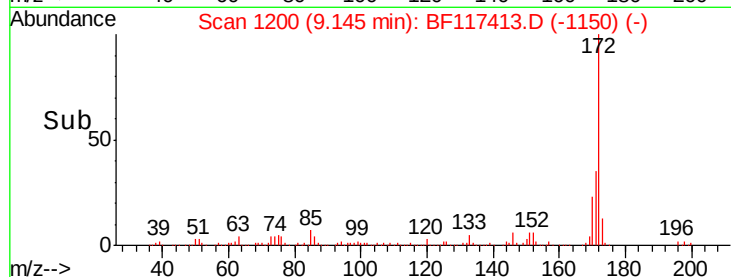
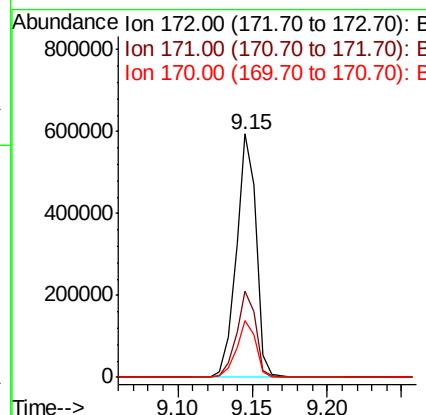
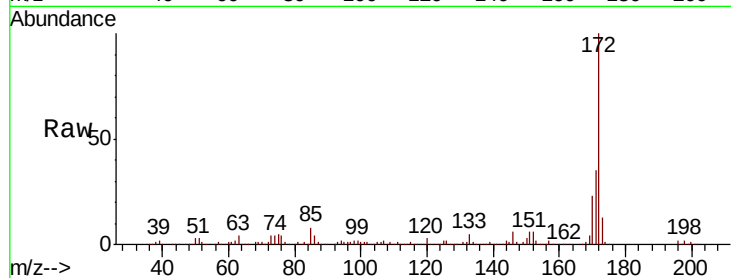
#45
2-Fluorobiphenyl
Concen: 90.417 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	23.3	18.2	27.2

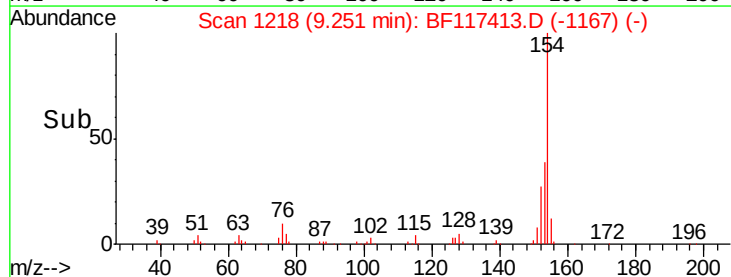
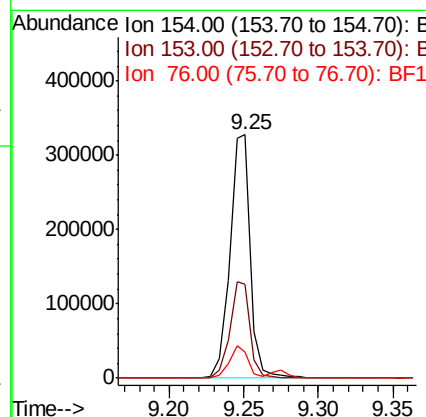
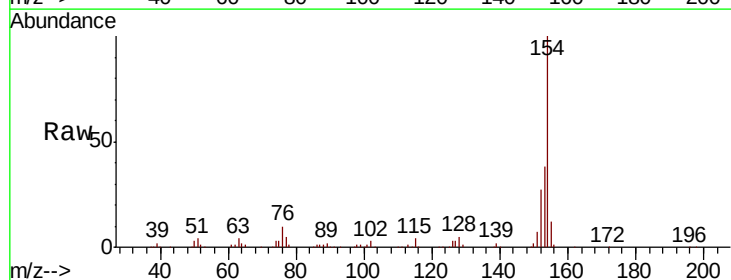
Manual Integrations
APPROVED

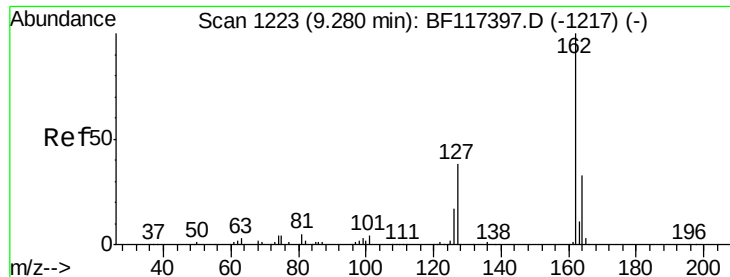
mohammad
10/18/2019 8:26:33 AM



#46
1,1'-Biphenyl
Concen: 43.167 ng
RT: 9.25 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.5	18.3	58.3
76	10.4	0.0	32.3





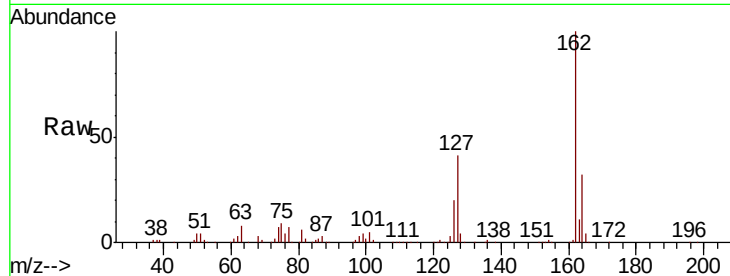
#47
2-Chloronaphthalene
Concen: 42.697 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

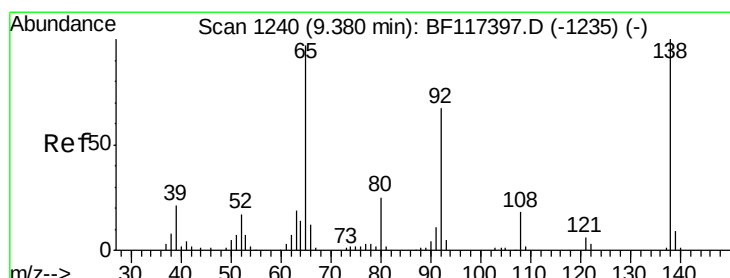
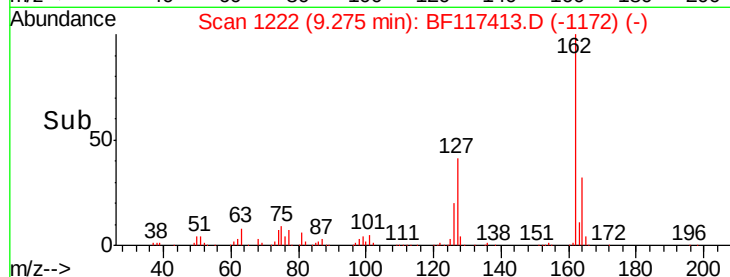
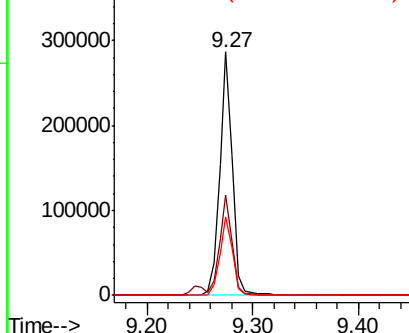
Tot Ion	Ratio	Resp	Lower	Upper
162	100	244483		
127	41.0	32.6	48.8	
164	32.4	26.2	39.4	

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM

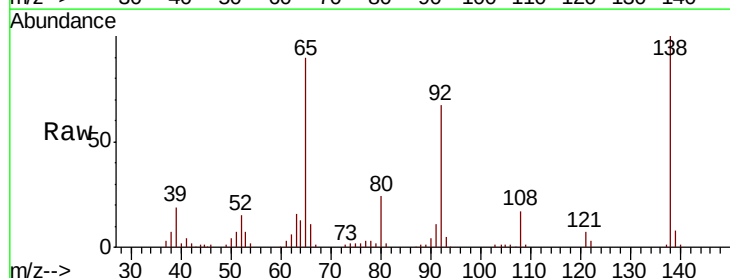


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

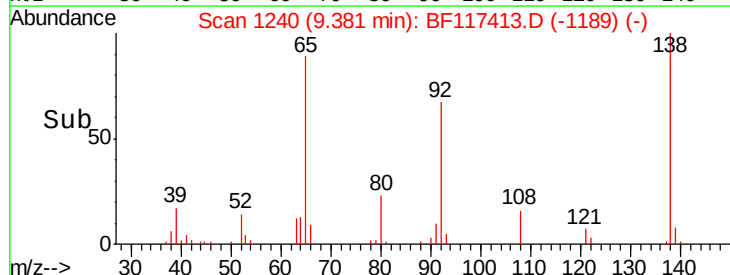
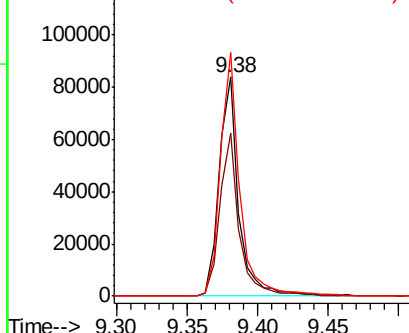


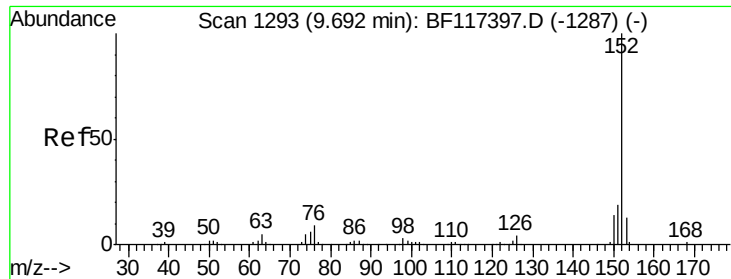
#48
2-Nitroaniline
Concen: 44.143 ng
RT: 9.38 min Scan# 1240
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	80646		
92	74.2	55.4	83.0	
138	111.3	82.6	124.0	



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 46.736 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

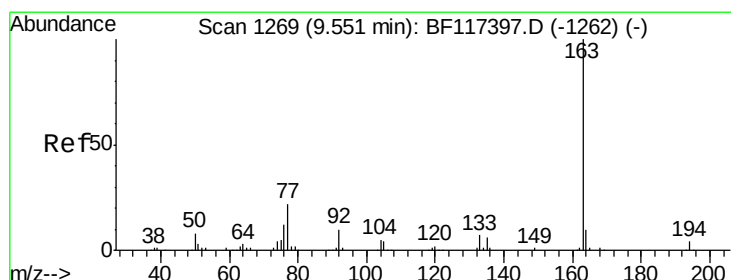
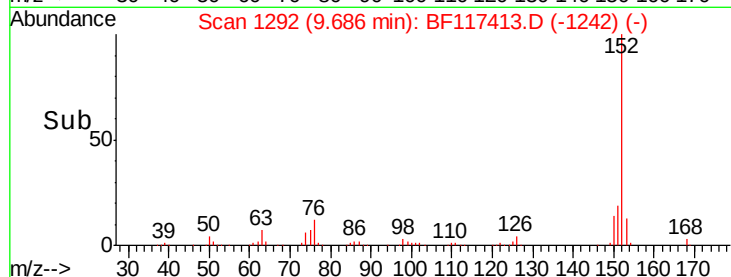
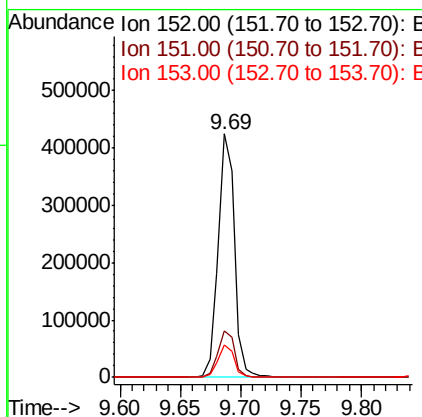
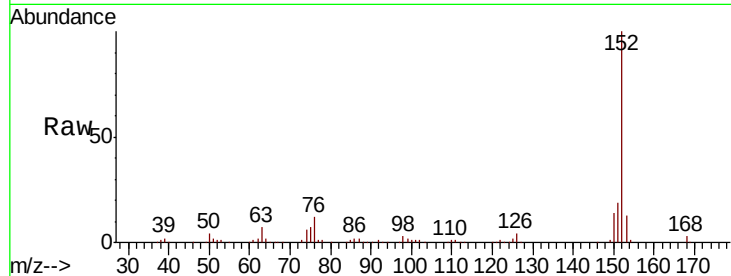
ClientSampleId :

OR-03-101119MSD

Tot Ion:	152	Resp:	392307
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.5	23.3
153	13.2	10.6	16.0

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM



#50

Dimethylphthalate

Concen: 45.860 ng

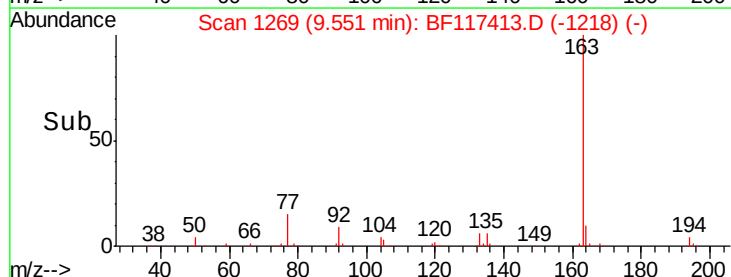
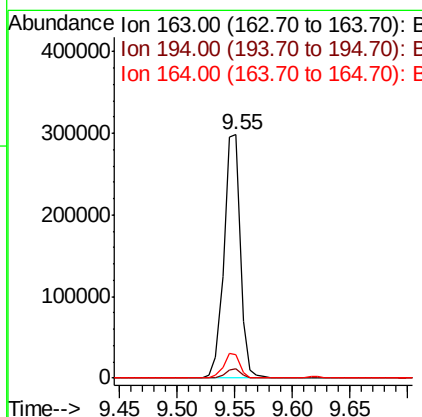
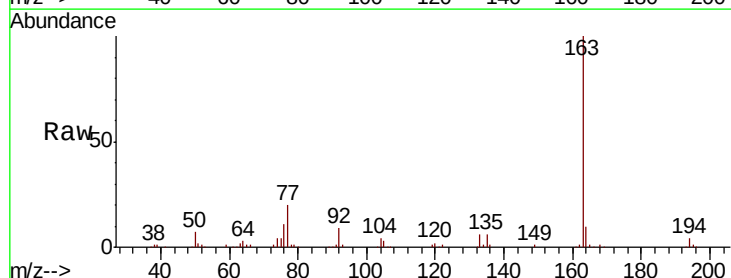
RT: 9.55 min Scan# 1269

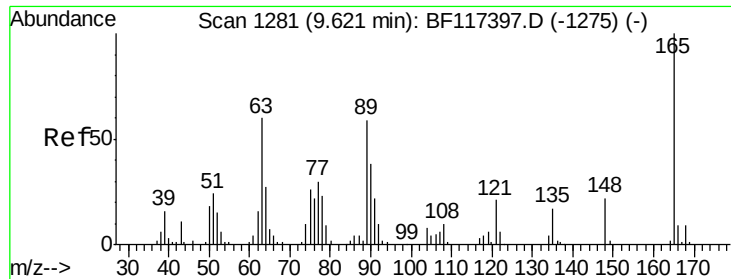
Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Tgt Ion:	163	Resp:	296132
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.1	4.7
164	9.6	8.0	12.0





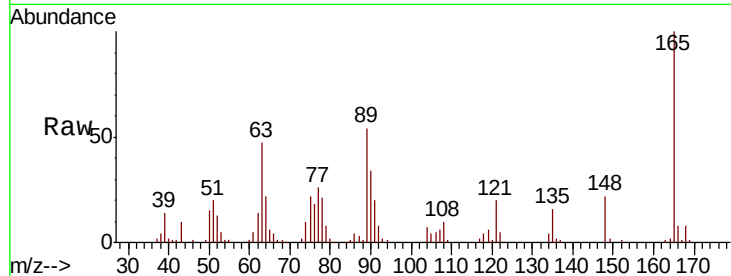
#51
2,6-Dinitrotoluene
Concen: 48.951 ng
RT: 9.62 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	46.6	47.8	71.6#
89	54.0	47.4	71.0

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM

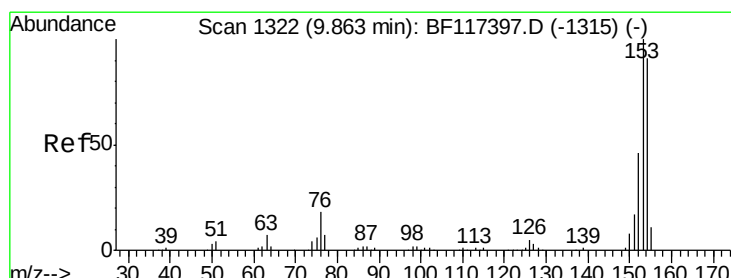
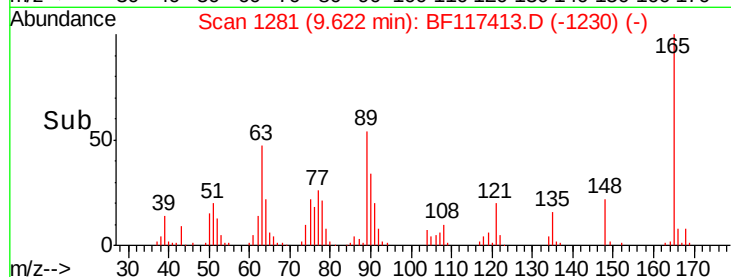
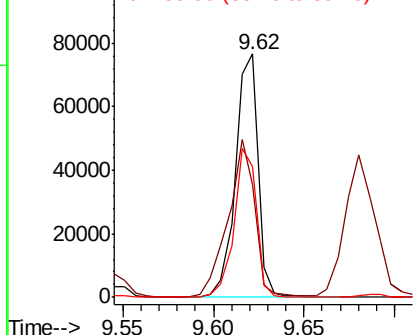


Abundance

Ion 165.00 (164.70 to 165.70): E

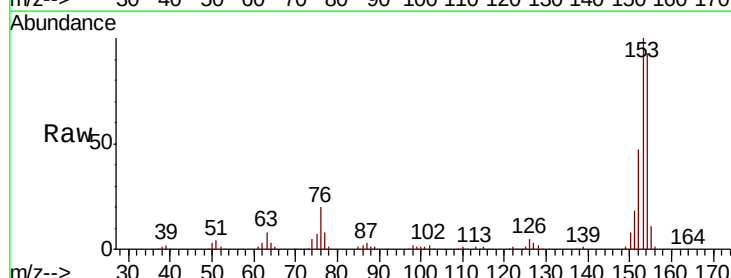
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52
Acenaphthene
Concen: 44.703 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
154	100		
153	108.1	87.9	131.9
152	50.8	40.8	61.2

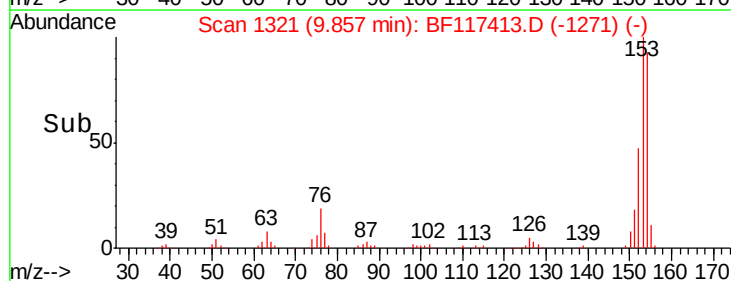
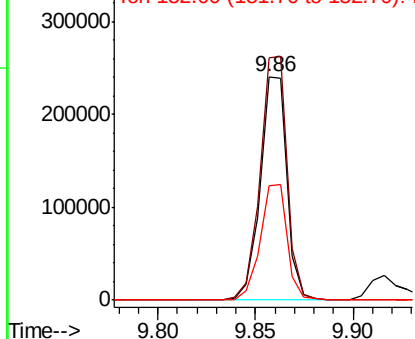


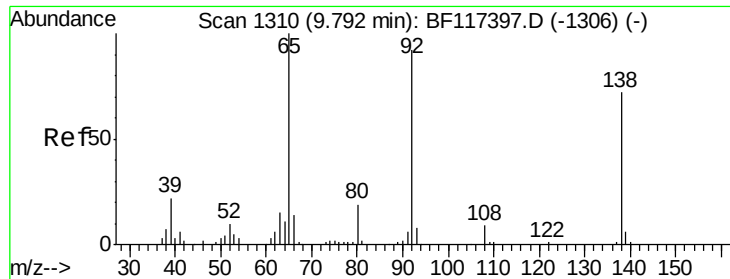
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





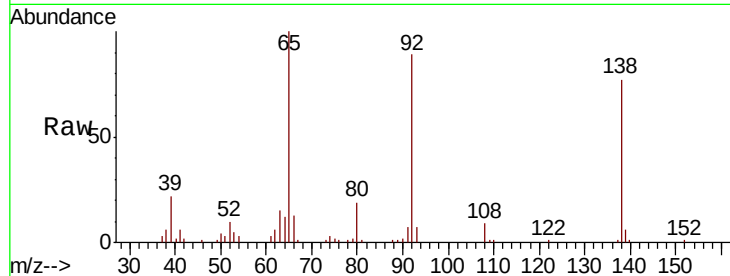
#53
3-Nitroaniline
Concen: 27.908 ng
RT: 9.79 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.5	14.3
92	116.1	102.2	153.4

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM

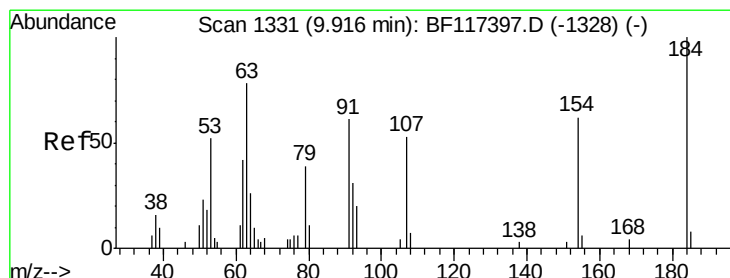
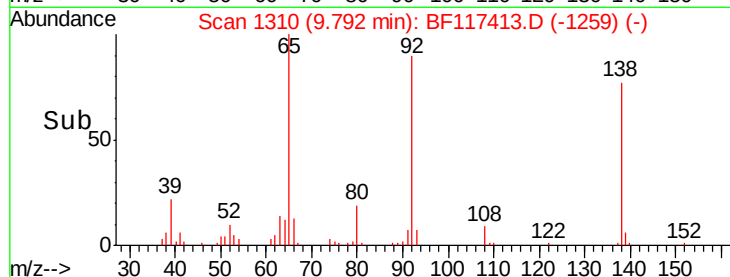
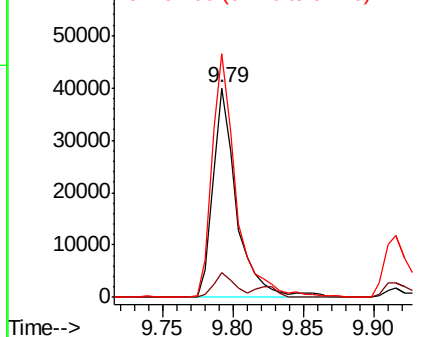


Abundance

Ion 138.00 (137.70 to 138.70): E

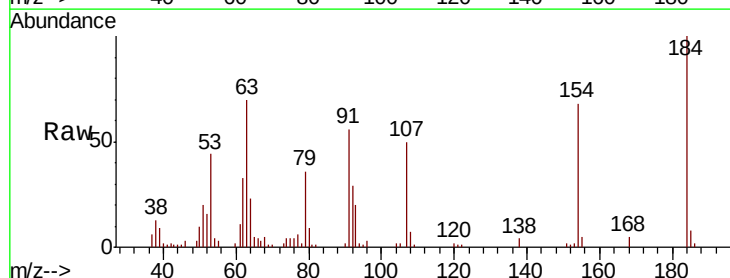
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 94.463 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
184	100		
63	69.6	62.4	93.6
154	67.7	53.5	80.3

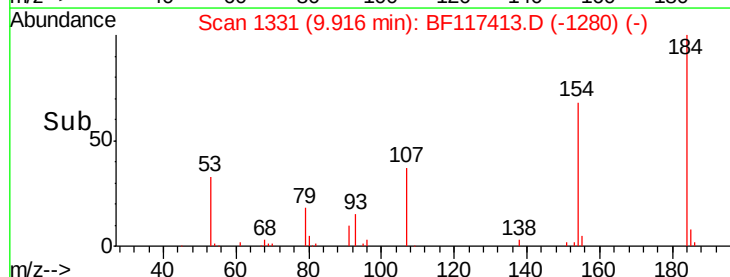
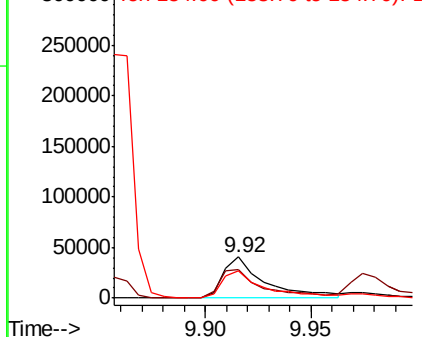


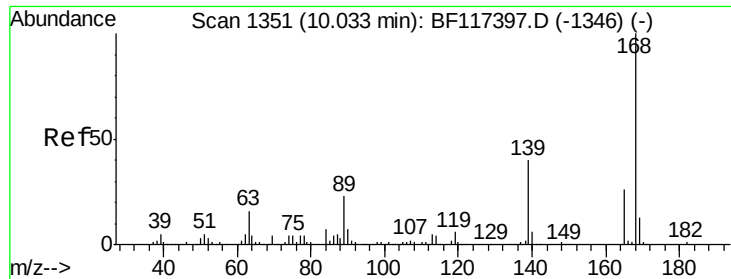
Abundance

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





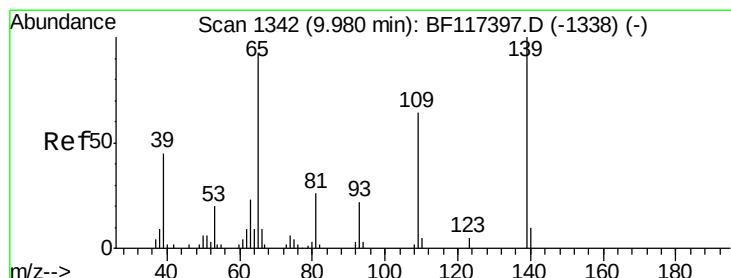
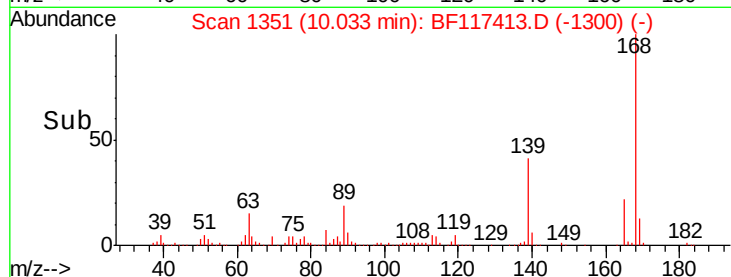
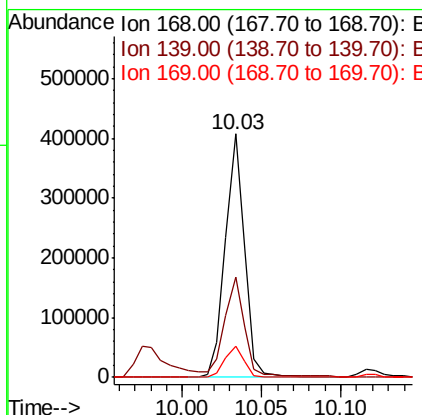
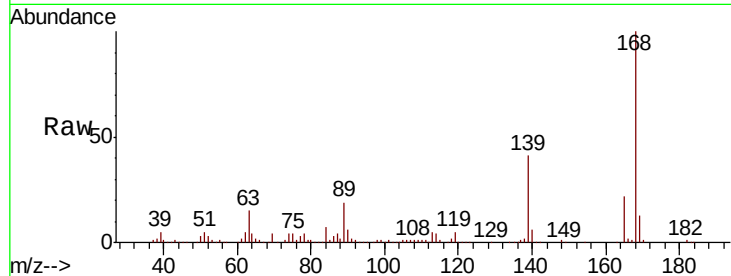
#55
Dibenzofuran
Concen: 46.192 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Resp	Lower	Upper
168	100	343688		
139	41.0	33.3	49.9	
169	13.0	10.7	16.1	

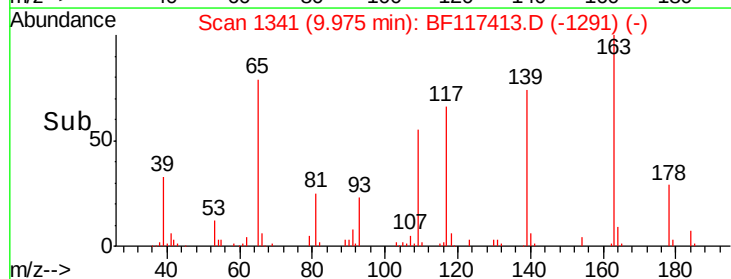
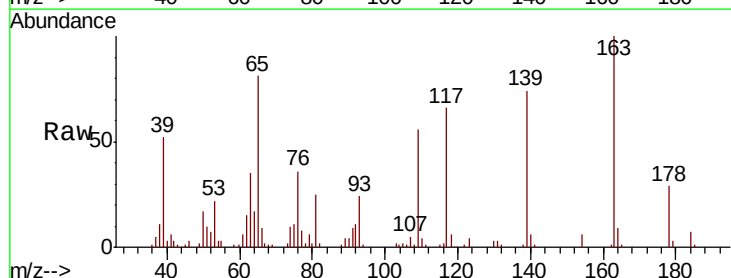
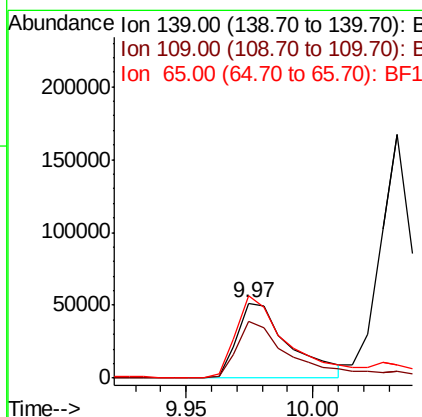
Manual Integrations
APPROVED

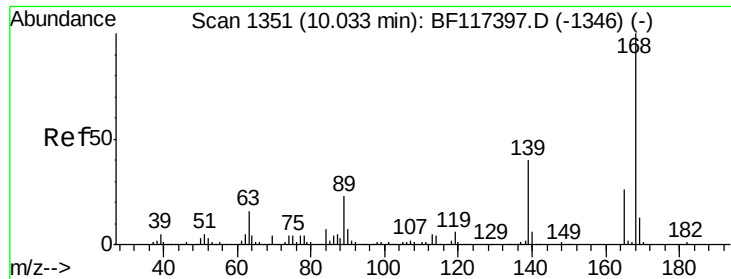
mohammad
10/18/2019 8:26:33 AM



#56
4-Nitrophenol
Concen: 97.136 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	73500		
109	75.7	43.8	83.8	
65	110.2	73.9	113.9	





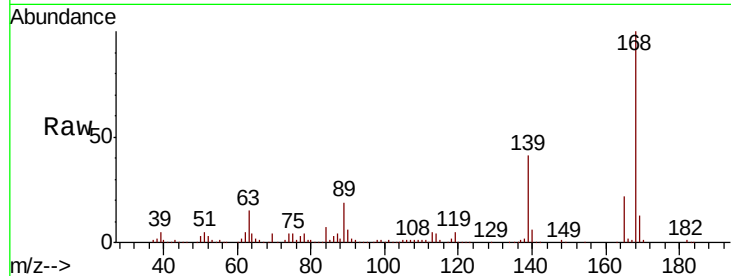
#57
 2,4-Dinitrotoluene
 Concen: 49.077 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

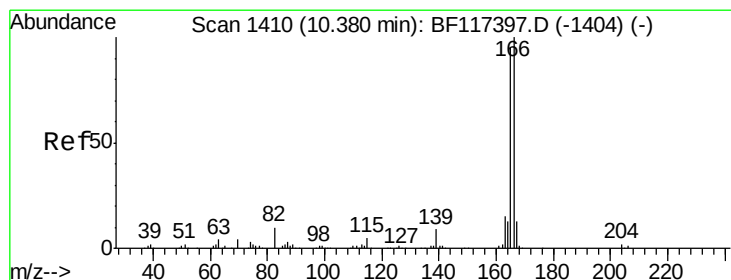
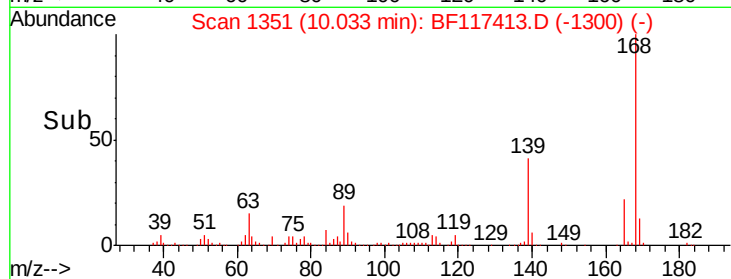
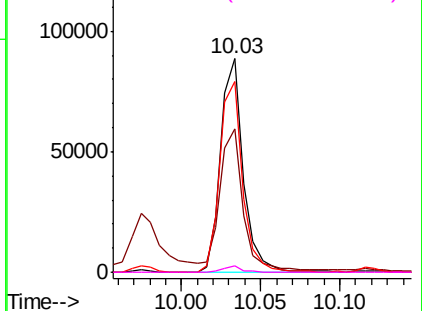
Tot Ion	Ratio	Lower	Upper
165	100		
63	67.1	51.0	76.4
89	89.5	70.7	106.1
182	2.8	2.1	3.1

Manual Integrations
 APPROVED

mohammad
 10/18/2019 8:26:33 AM

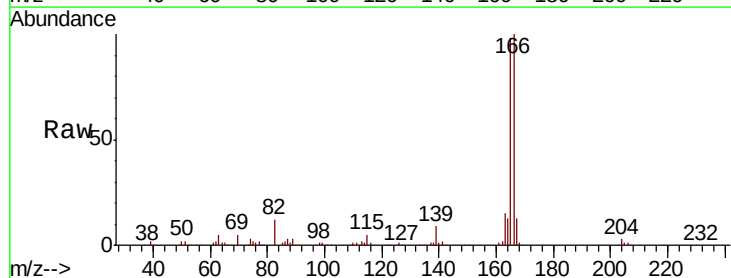


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

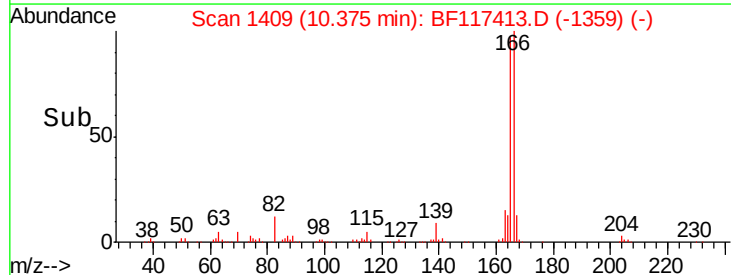
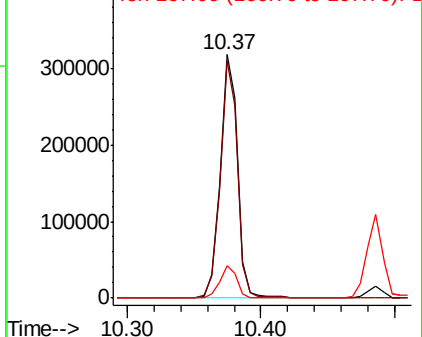


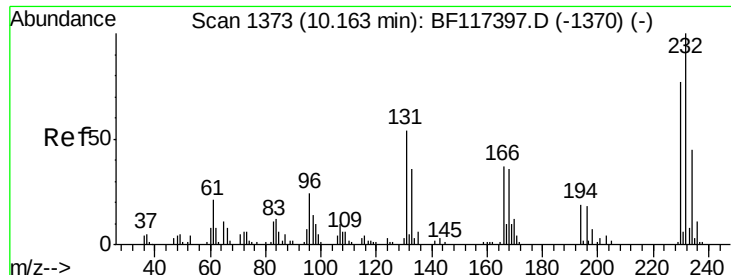
#58
 Fluorene
 Concen: 47.096 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	75.7	113.5
167	13.1	10.4	15.6



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E





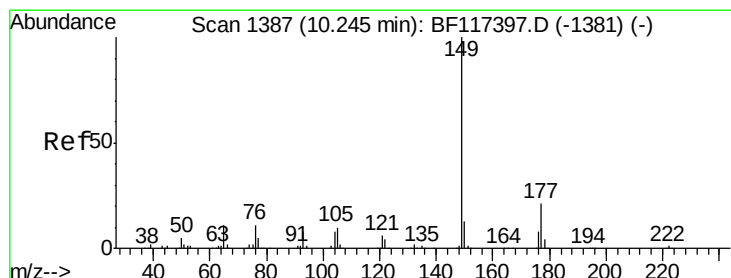
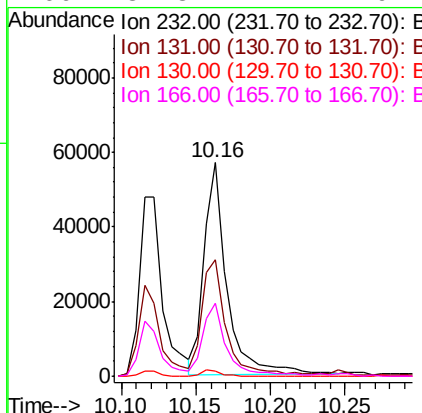
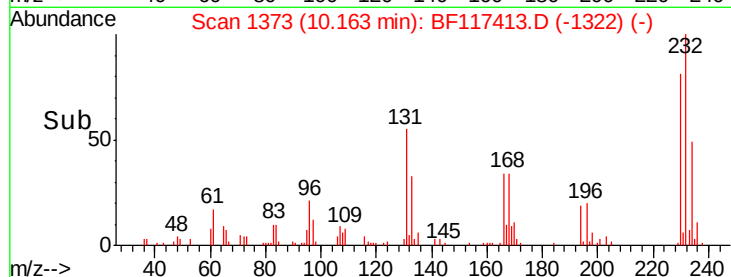
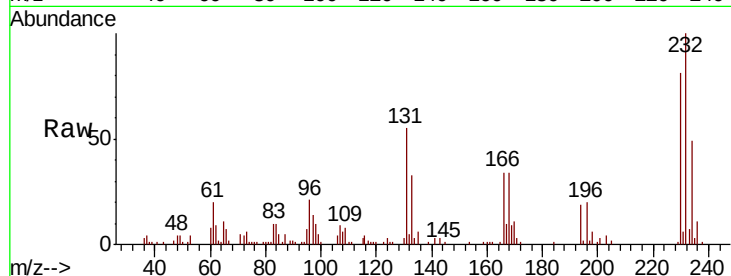
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.405 ng
RT: 10.16 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	59.9	44.5	66.7
130	2.6	2.0	3.0
166	34.3	27.1	40.7

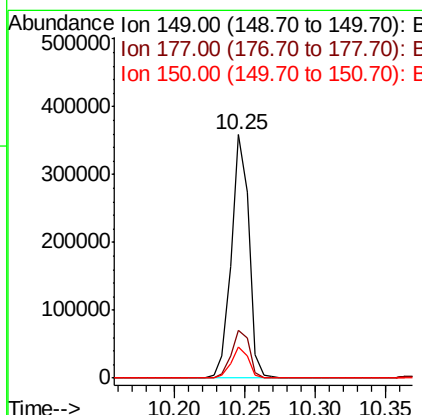
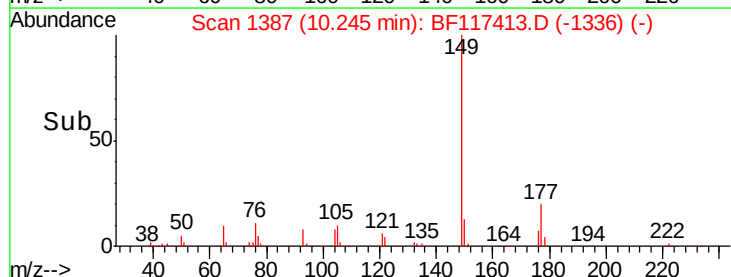
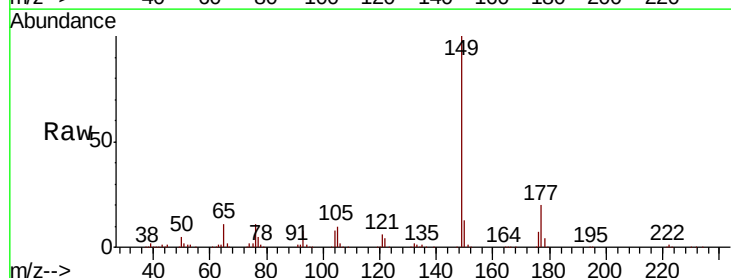
Manual Integrations
APPROVED

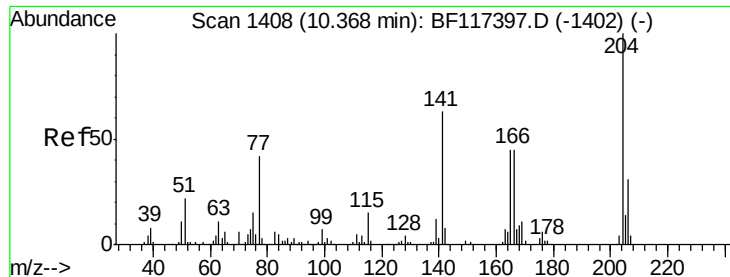
mohammad
10/18/2019 8:26:33 AM



#60
Diethylphthalate
Concen: 47.754 ng
RT: 10.25 min Scan# 1387
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.8	16.5	24.7
150	12.9	10.1	15.1





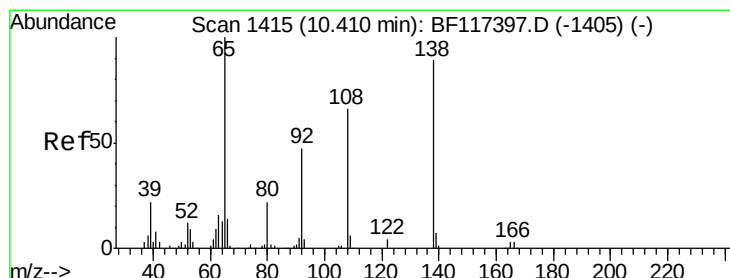
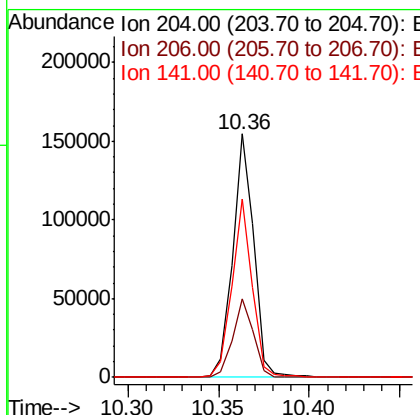
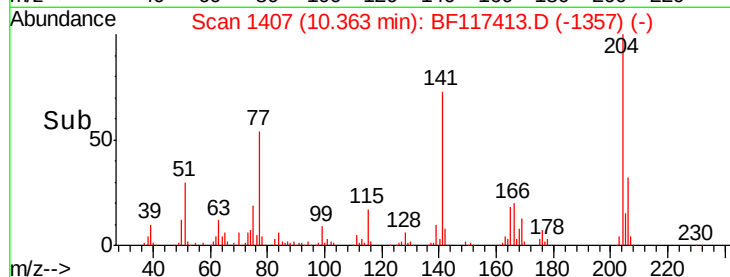
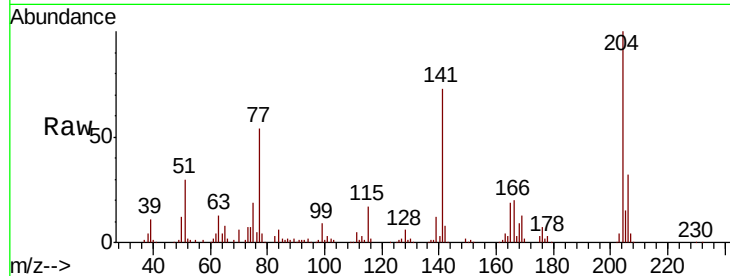
#61
4-Chlorophenyl-phenylether
Concen: 45.577 ng
RT: 10.36 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.0	37.4
141	73.2	50.7	76.1

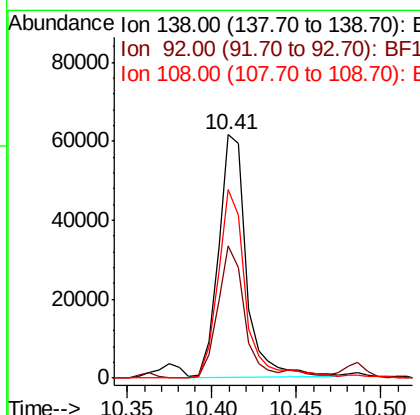
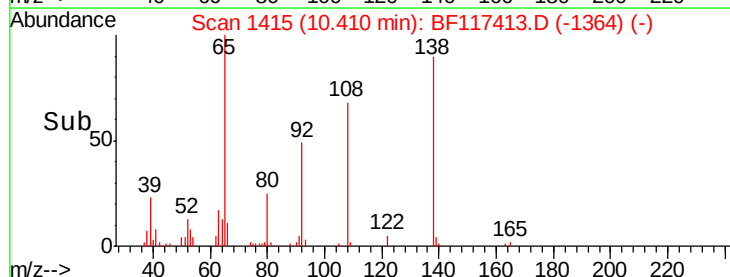
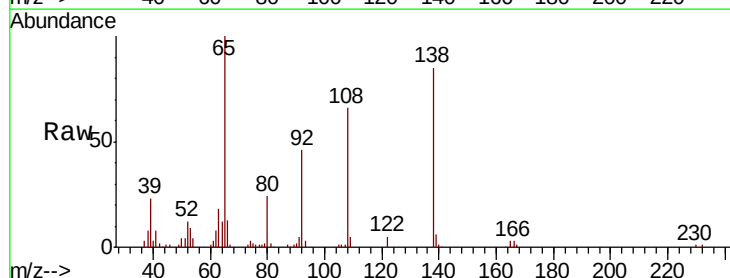
Manual Integrations
APPROVED

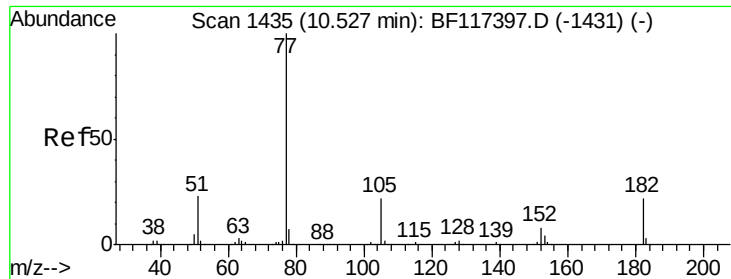
mohammad
10/18/2019 8:26:33 AM



#62
4-Nitroaniline
Concen: 44.524 ng
RT: 10.41 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
138	100		
92	54.4	32.4	72.4
108	77.3	53.8	93.8





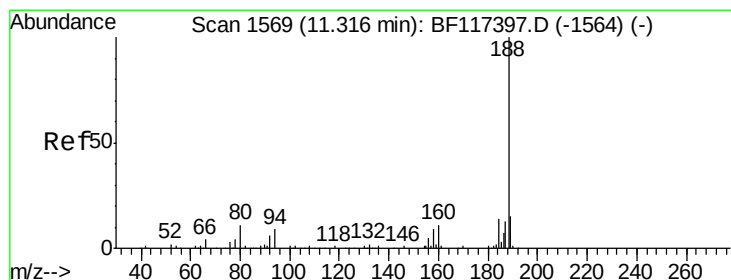
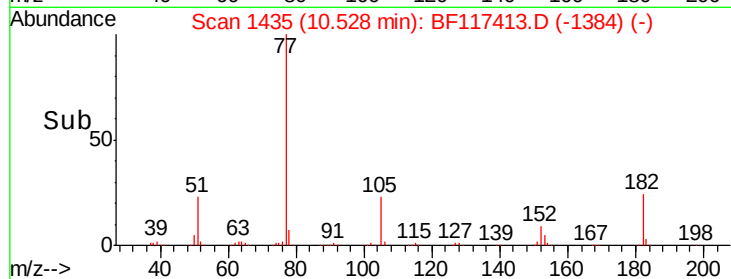
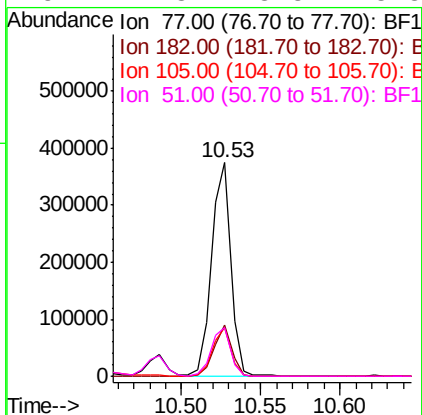
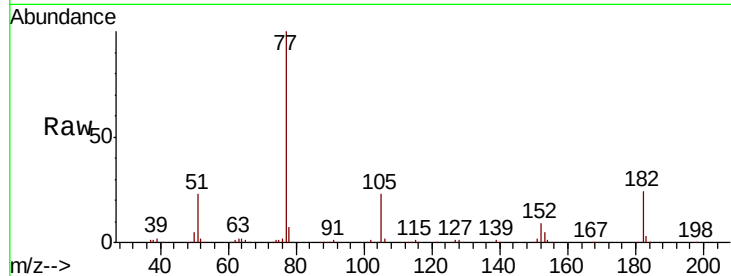
#63
Azobenzene
Concen: 47.379 ng
RT: 10.53 min Scan# 1435
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		316425		
182	23.9	1.5	41.5		
105	22.9	1.8	41.8		
51	22.8	3.3	43.3		

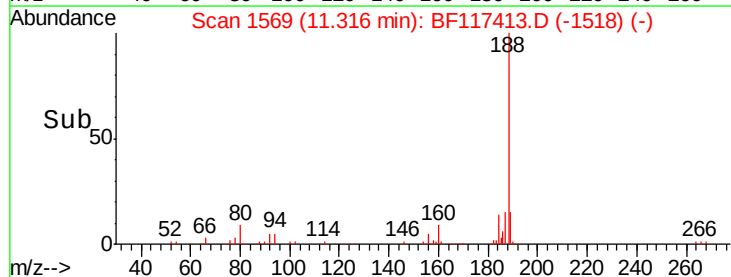
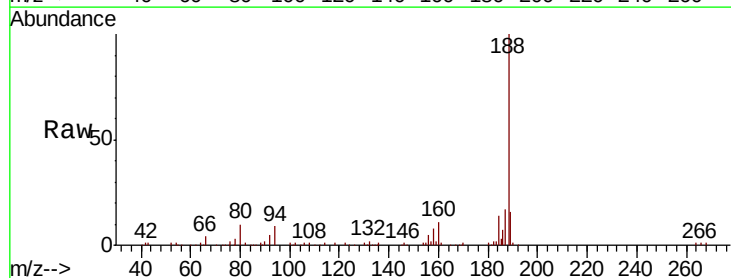
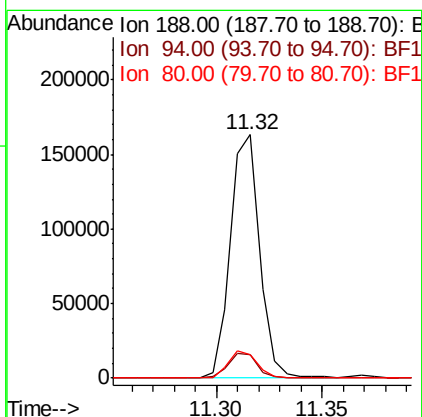
Manual Integrations
APPROVED

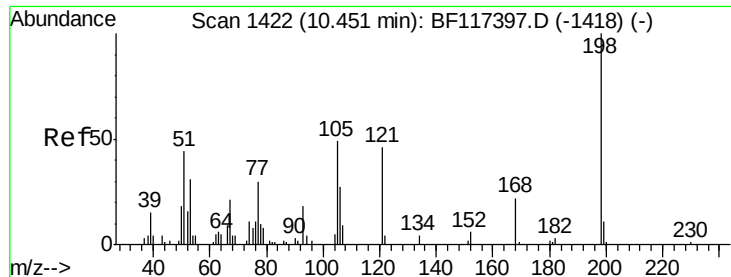
mohammad
10/18/2019 8:26:33 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		156083		
94	9.4	7.5	11.3		
80	9.9	8.7	13.1		





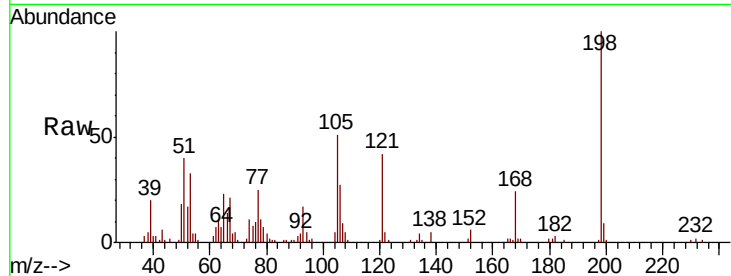
#65
4,6-Dinitro-2-methylphenol
Concen: 49.532 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	40.3	25.9	65.9
105	51.0	29.4	69.4

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM

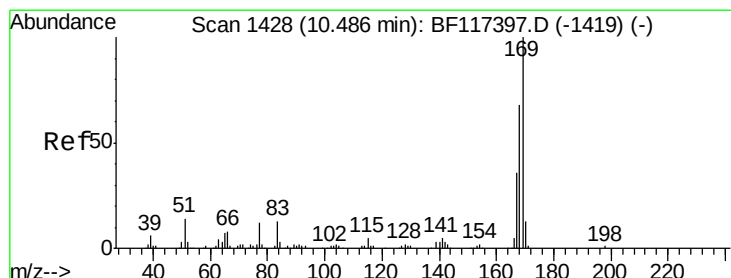
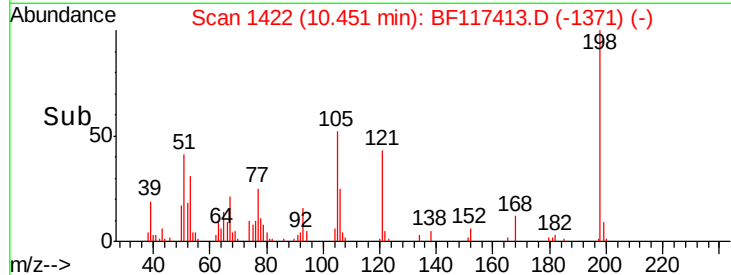
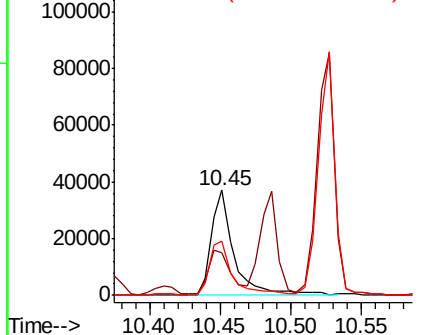


Abundance

Ion 198.00 (197.70 to 198.70): E

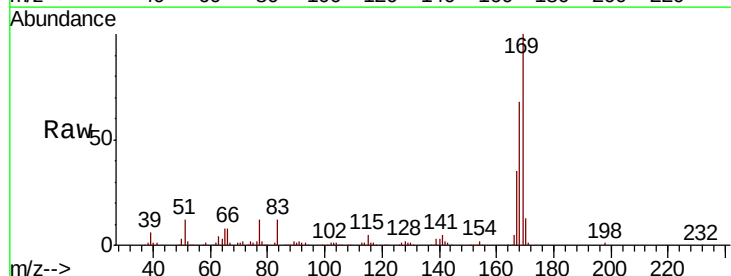
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66
n-Nitrosodiphenylamine
Concen: 43.305 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
169	100		
168	68.4	54.1	81.1
167	35.5	28.8	43.2

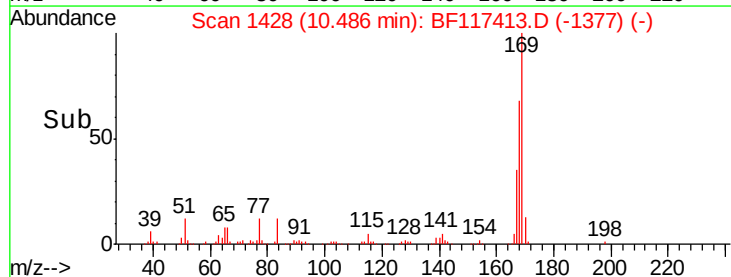
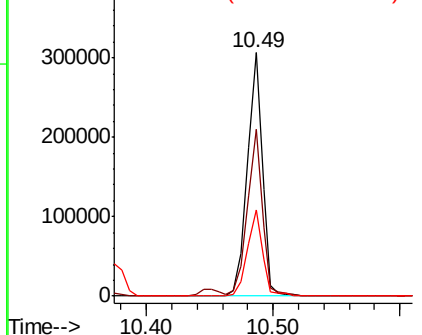


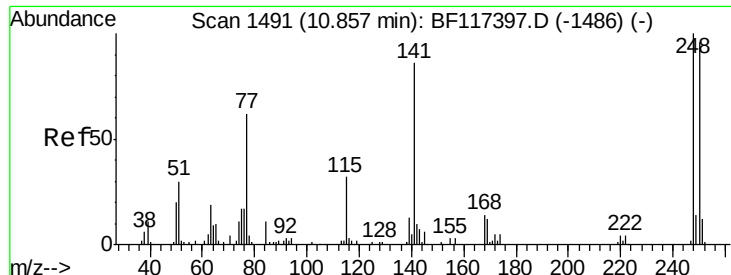
Abundance

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





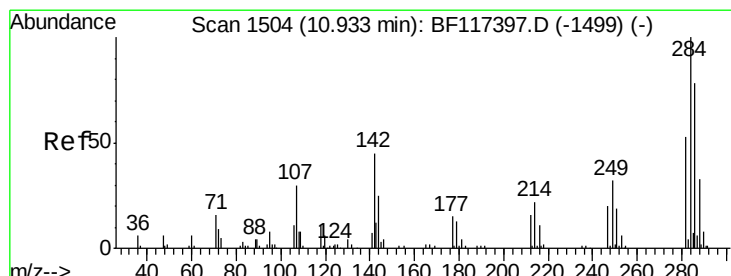
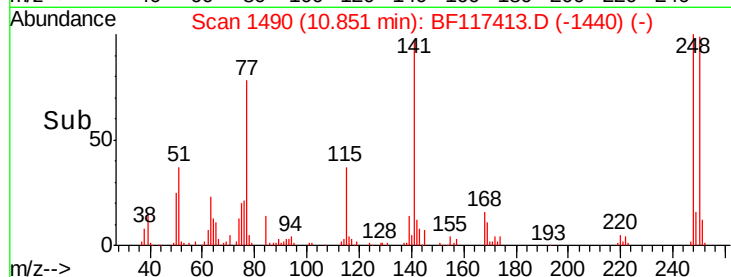
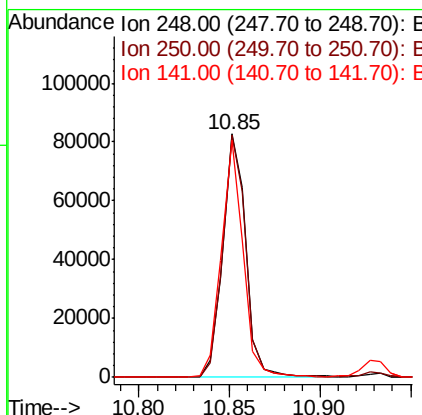
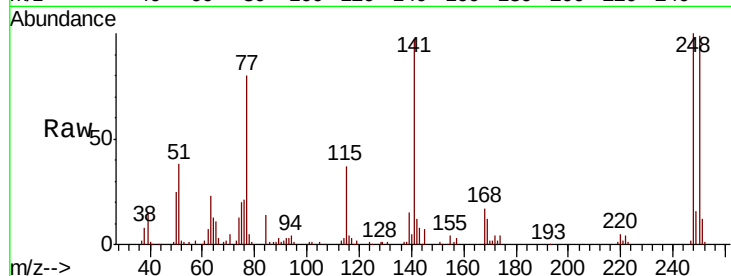
#67
4-Bromophenyl-phenylether
Concen: 42.651 ng
RT: 10.85 min Scan# 1490
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.3	77.1	115.7
141	97.5	69.1	103.7

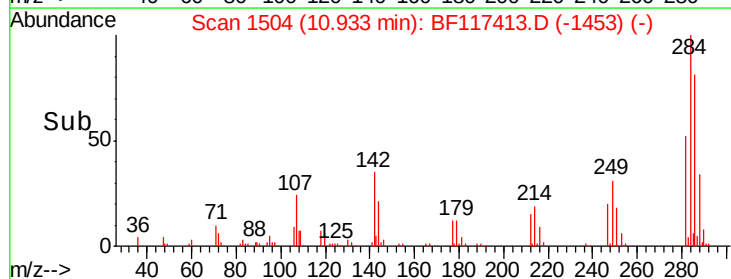
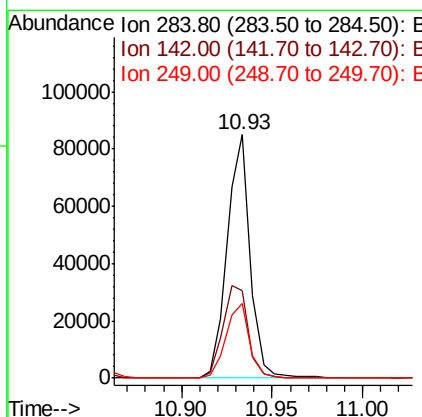
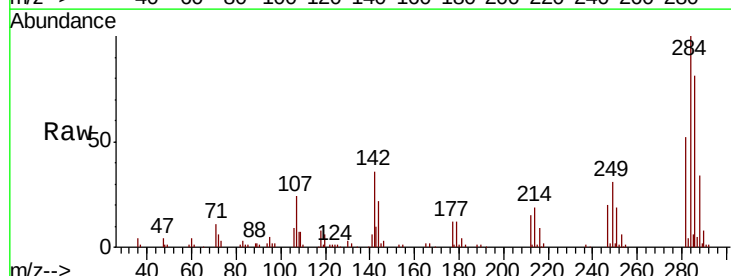
Manual Integrations
APPROVED

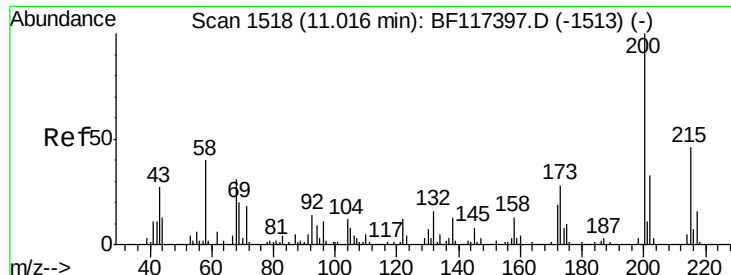
mohammad
10/18/2019 8:26:33 AM



#68
Hexachlorobenzene
Concen: 40.817 ng
RT: 10.93 min Scan# 1504
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.9	35.7	53.5
249	30.7	25.8	38.6





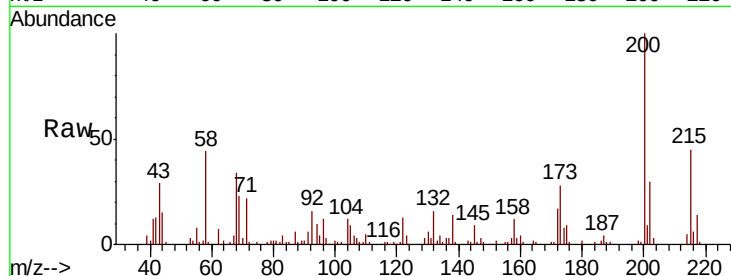
#69
Atrazine
Concen: 74.705 ng
RT: 11.02 min Scan# 1518
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.8	8.0	48.0
215	45.0	25.8	65.8

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM

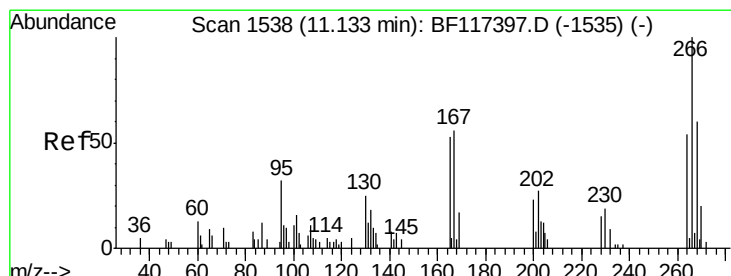
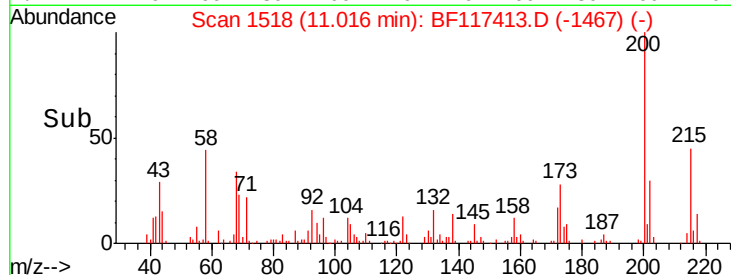
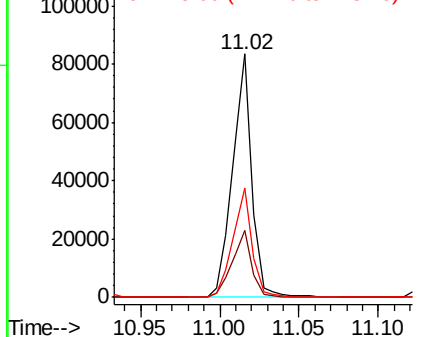


Abundance

Ion 200.00 (199.70 to 200.70): E

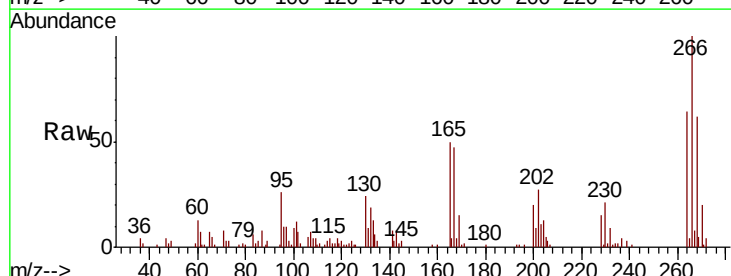
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 119.336 ng
RT: 11.13 min Scan# 1538
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.8	47.8	71.6
264	63.8	42.9	64.3

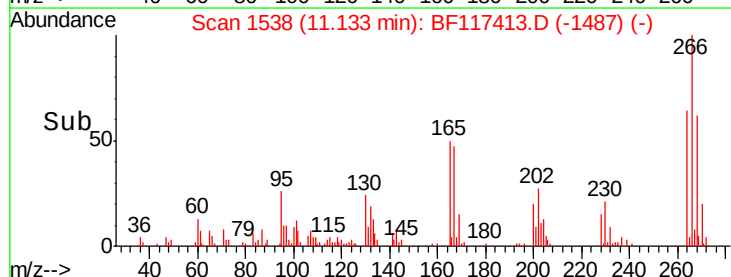
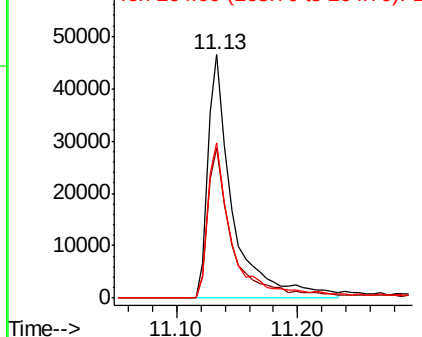


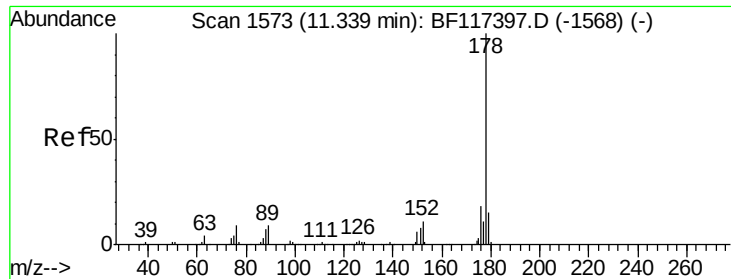
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





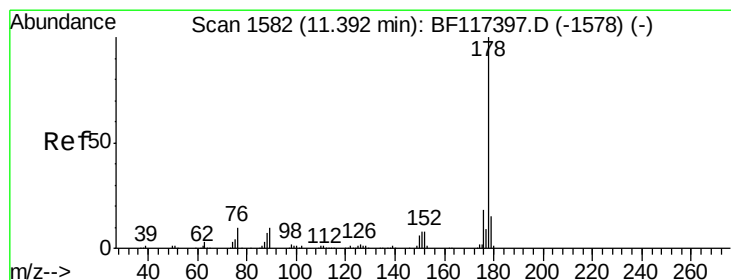
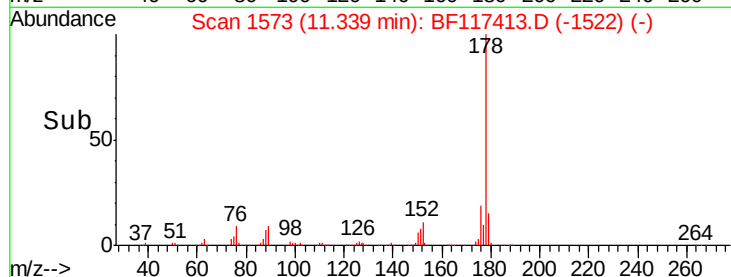
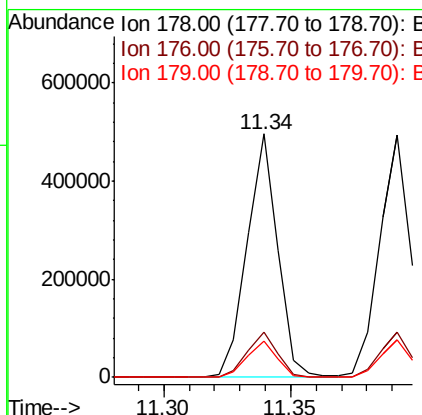
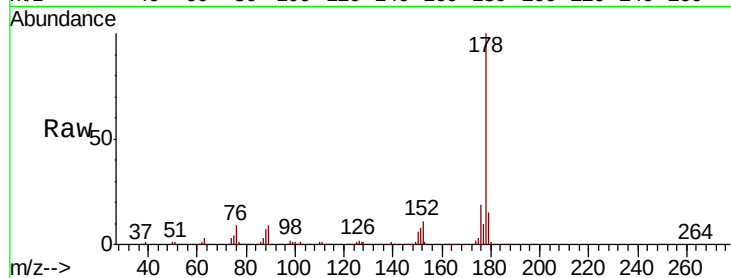
#71
Phenanthrene
Concen: 45.301 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.1	12.3	18.5

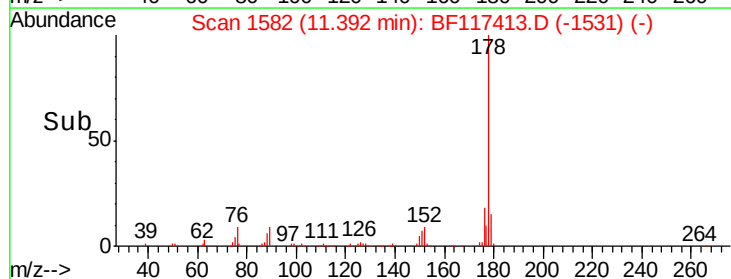
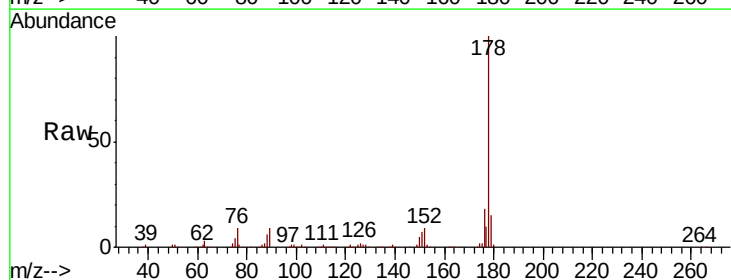
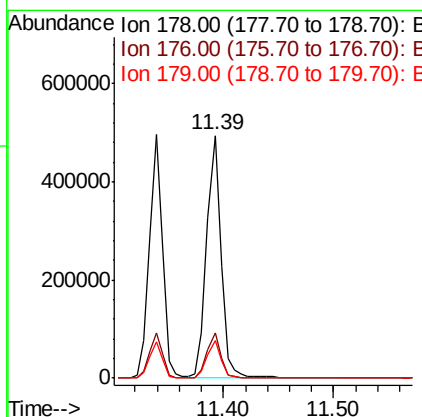
Manual Integrations
APPROVED

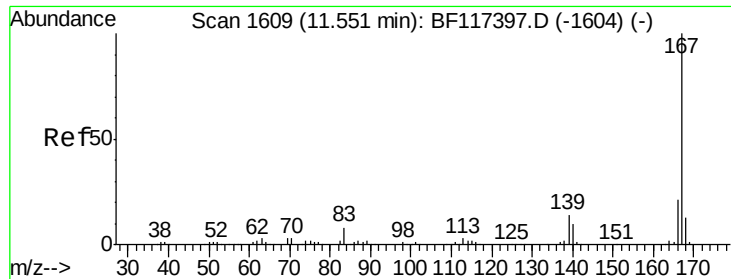
mohammad
10/18/2019 8:26:33 AM



#72
Anthracene
Concen: 45.716 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.4	21.6
179	15.3	12.1	18.1





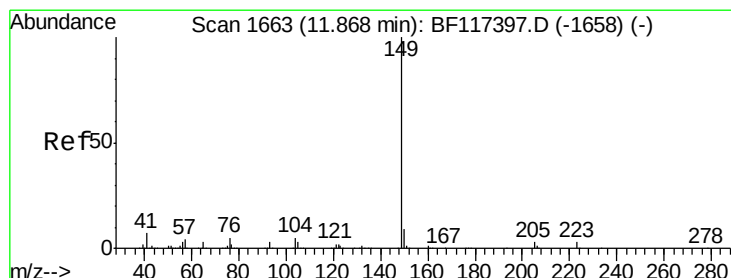
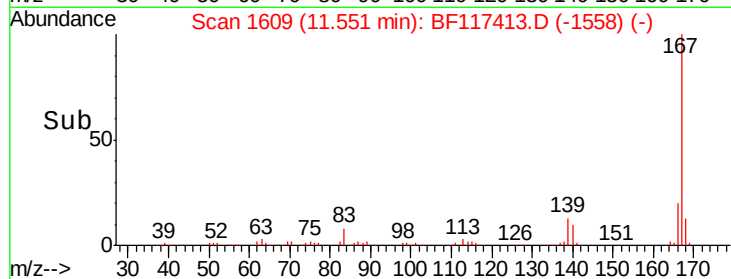
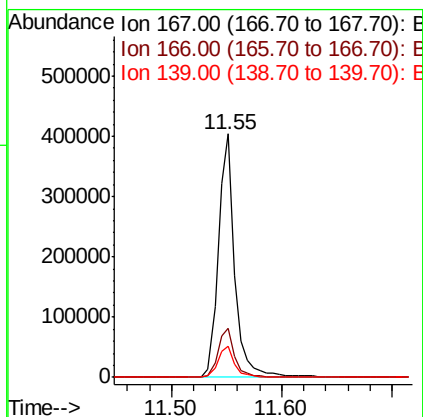
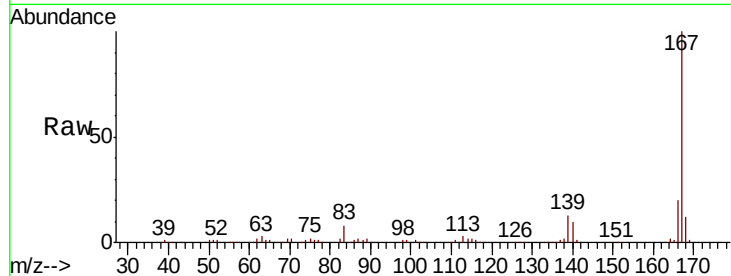
#73
 Carbazole
 Concen: 48.067 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.2	17.0	25.4
139	12.6	10.8	16.2

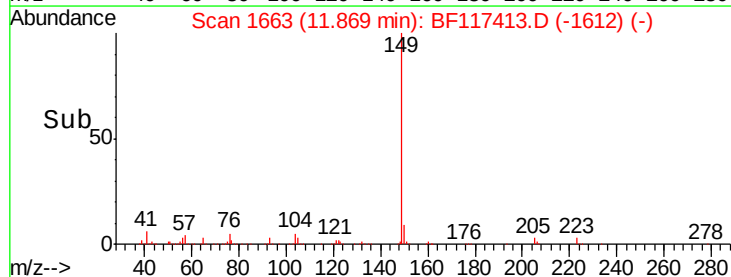
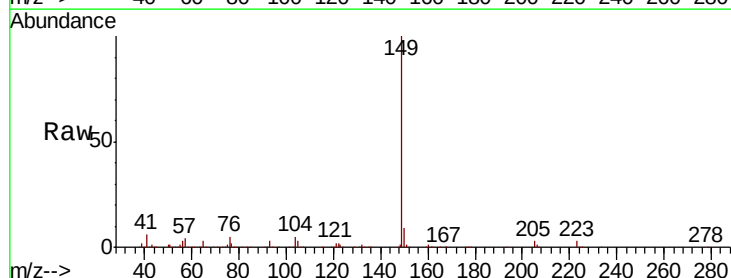
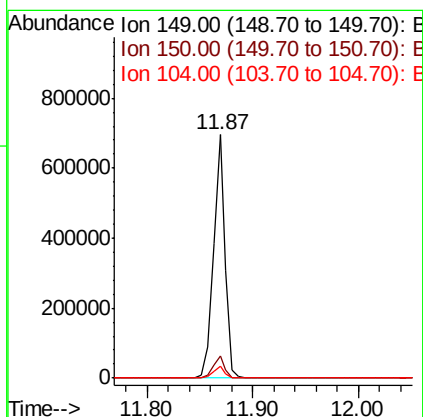
Manual Integrations
 APPROVED

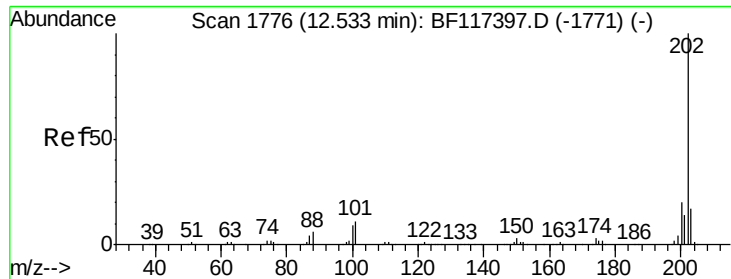
mohammad
 10/18/2019 8:26:33 AM



#74
 Di-n-butylphthalate
 Concen: 46.145 ng
 RT: 11.87 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.0	10.6
104	5.0	4.2	6.2





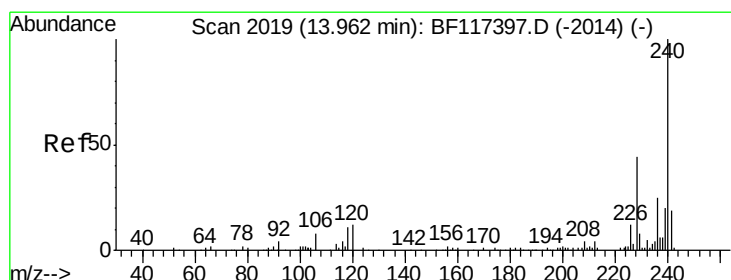
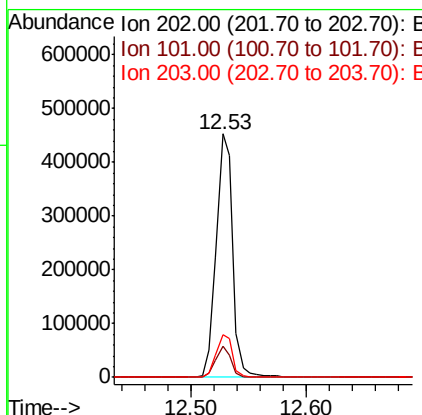
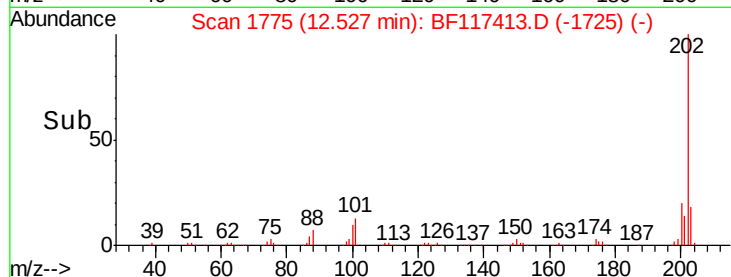
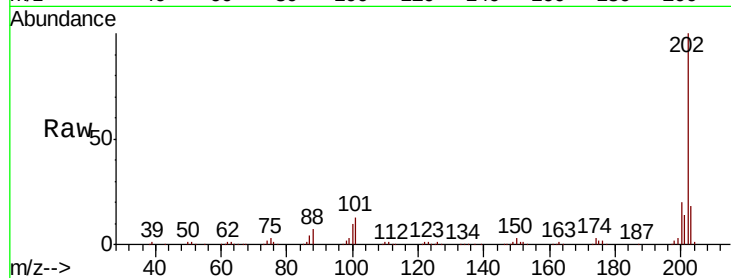
#75
 Fluoranthene
 Concen: 48.949 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	449092		
101	12.7		0.0	31.3
203	17.8		0.0	36.9

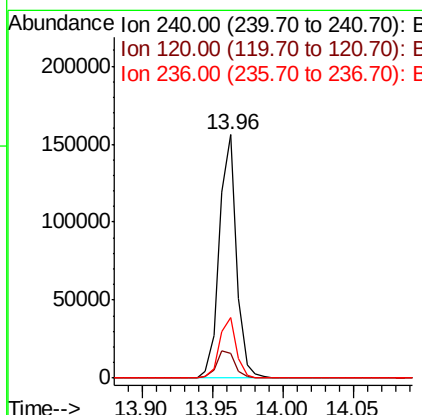
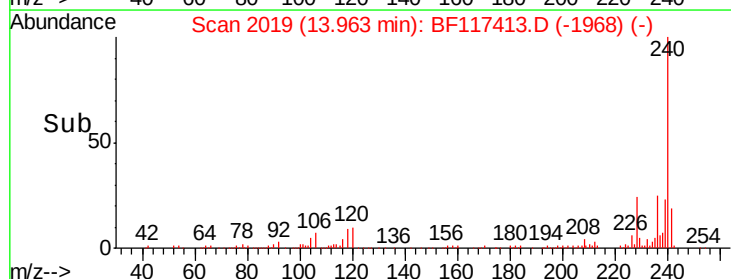
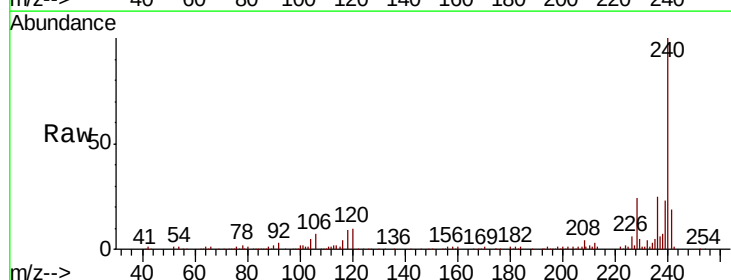
Manual Integrations
 APPROVED

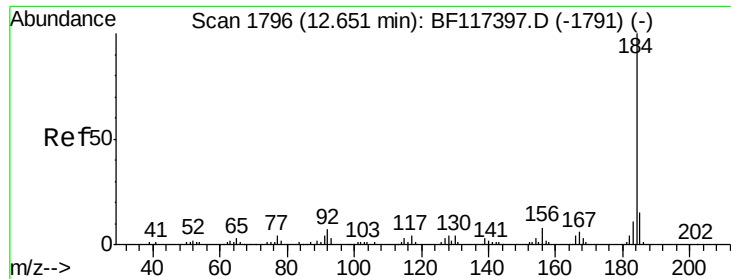
mohammad
 10/18/2019 8:26:33 AM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	131644		
120	10.2		9.4	14.0
236	25.0		19.8	29.6





#77

Benzidine

Concen: 3.077 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

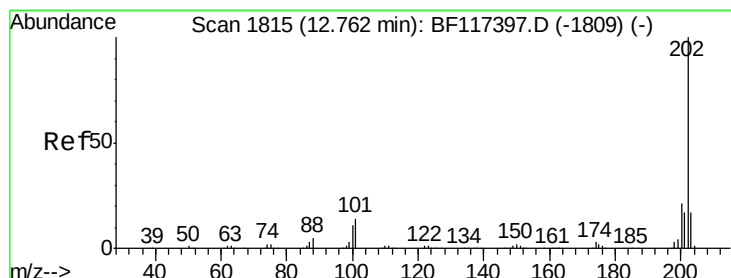
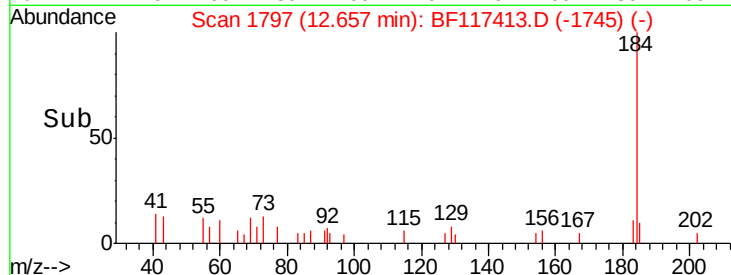
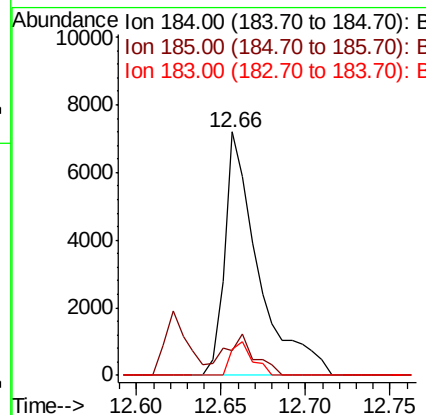
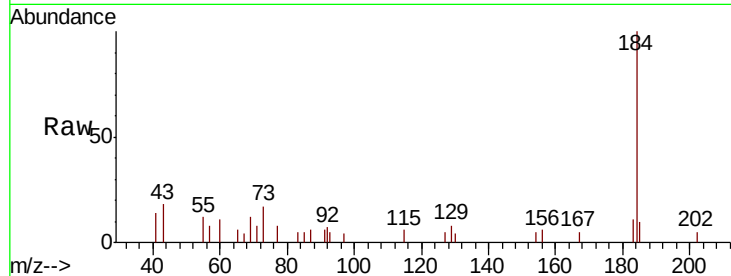
ClientSampleId :

OR-03-101119MSD

Tot Ion:	184	Resp:	10019
Ion Ratio	Lower	Upper	
184	100		
185	10.4	12.2	18.2#
183	10.6	8.9	13.3

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM



#78

Pyrene

Concen: 39.480 ng

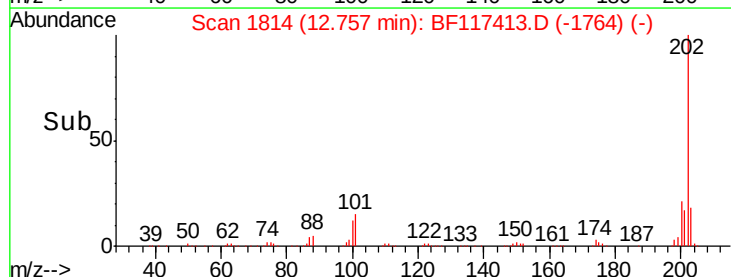
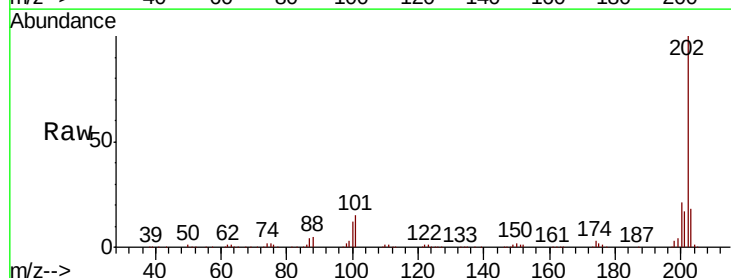
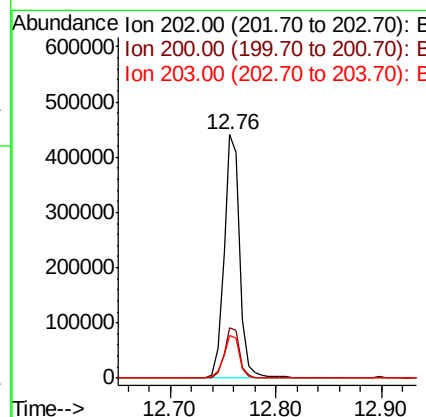
RT: 12.76 min Scan# 1814

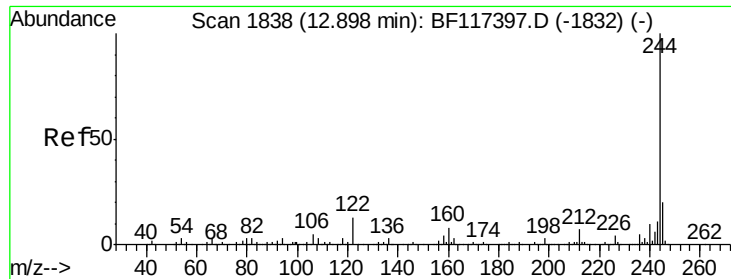
Delta R.T. -0.01 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Tgt Ion:	202	Resp:	459406
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.8	25.2
203	17.6	14.0	21.0





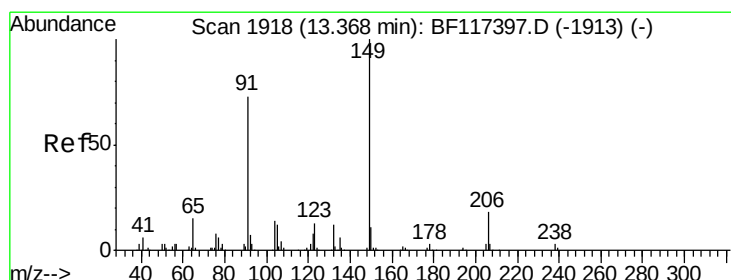
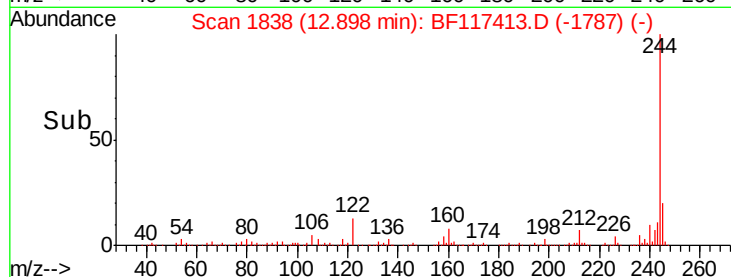
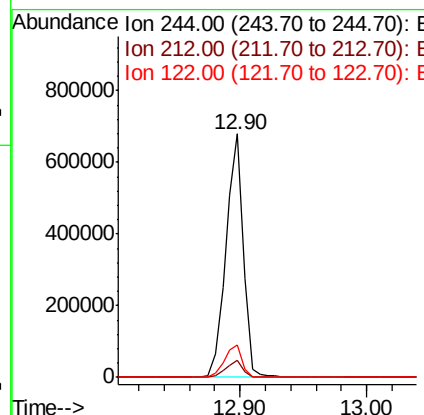
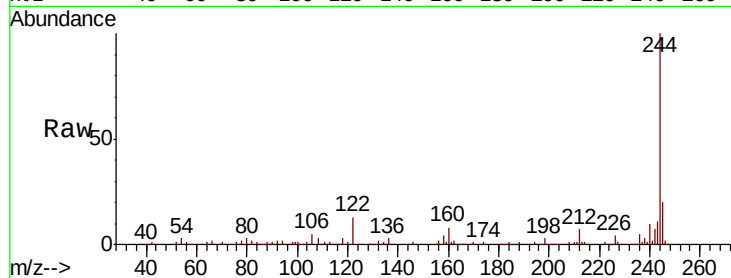
#79
Terphenyl-d14
Concen: 80.435 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	13.2	10.7	16.1

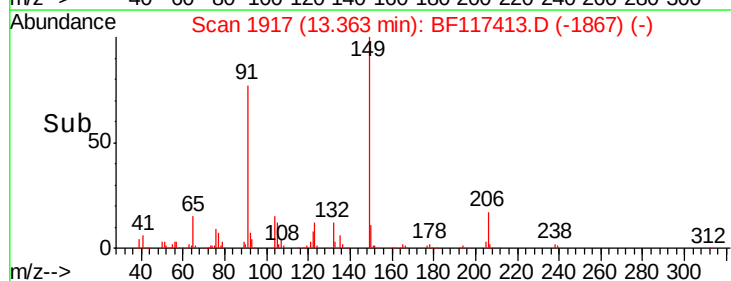
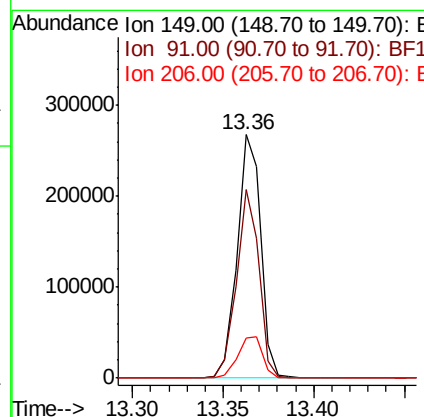
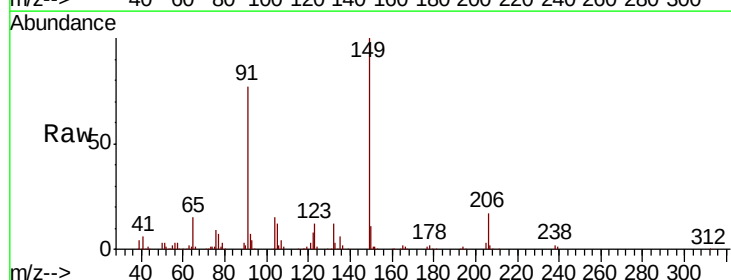
Manual Integrations
APPROVED

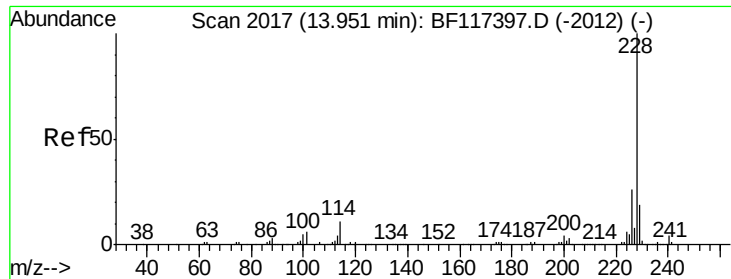
mohammad
10/18/2019 8:26:33 AM



#80
Butylbenzylphthalate
Concen: 41.444 ng
RT: 13.36 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
149	100		
91	77.5	58.5	87.7
206	16.6	14.4	21.6





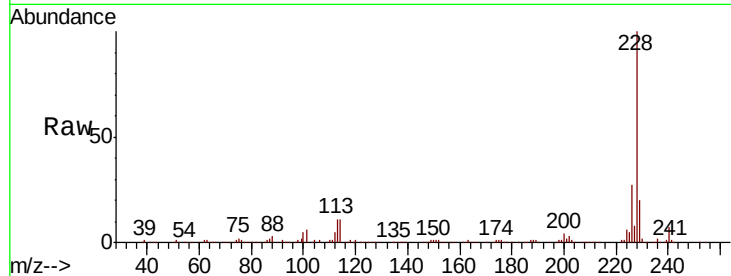
#81
Benzo(a)anthracene
Concen: 43.439 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	20.9	31.3
229	19.9	15.2	22.8

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM

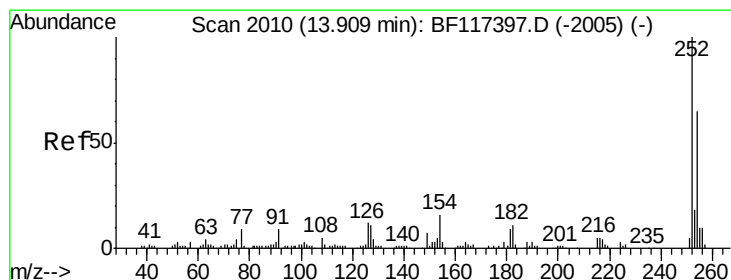
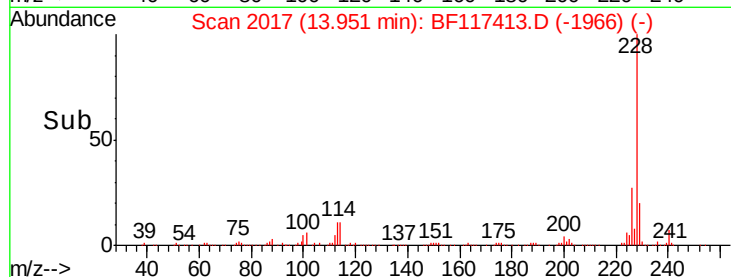
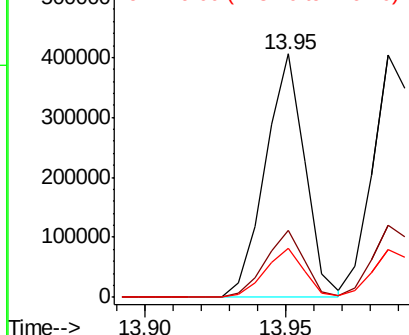


Abundance

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: 30.450 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

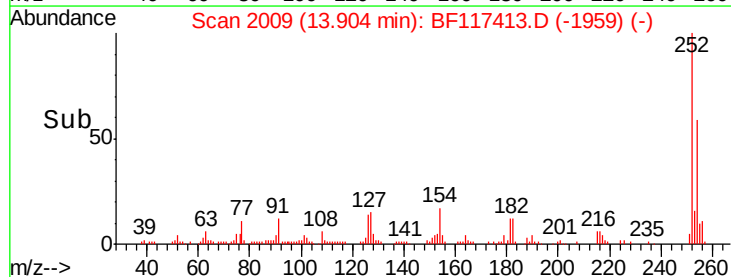
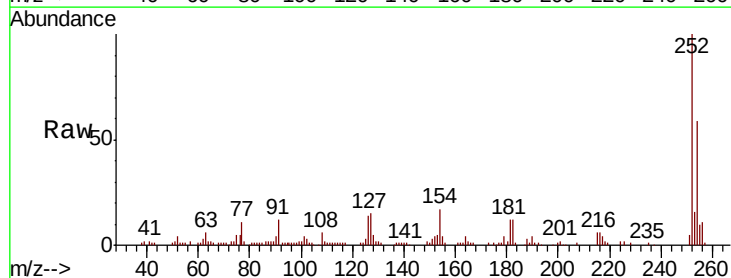
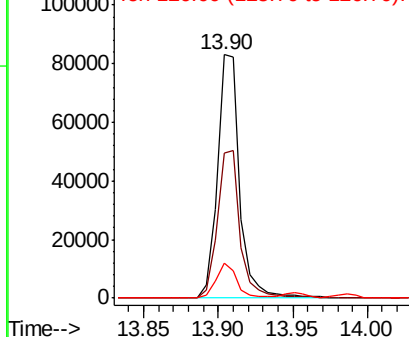
Tgt Ion	Ratio	Lower	Upper
252	100		
254	59.4	51.6	77.4
126	14.3	9.6	14.4

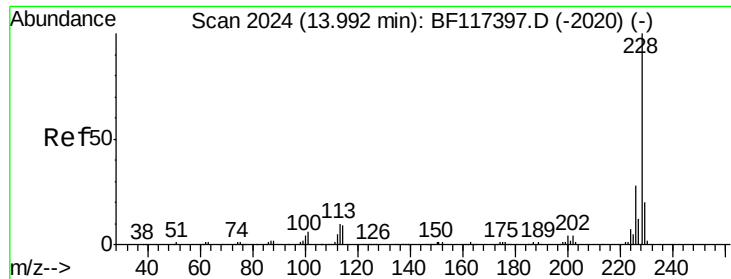
Abundance

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





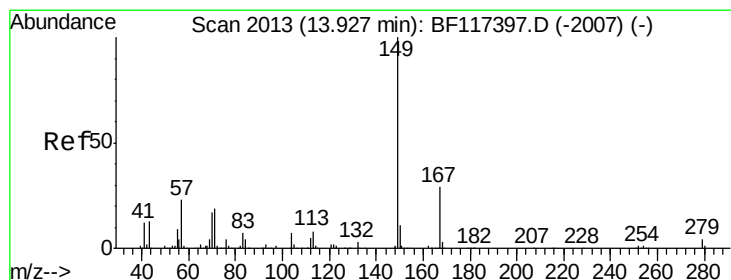
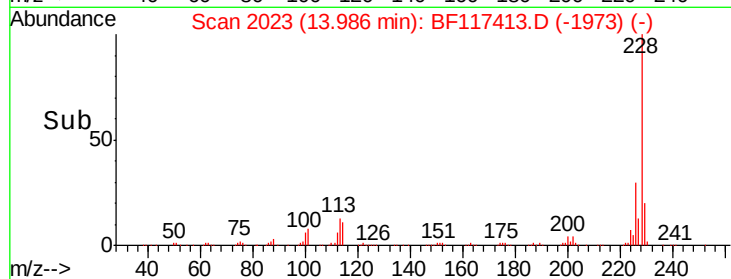
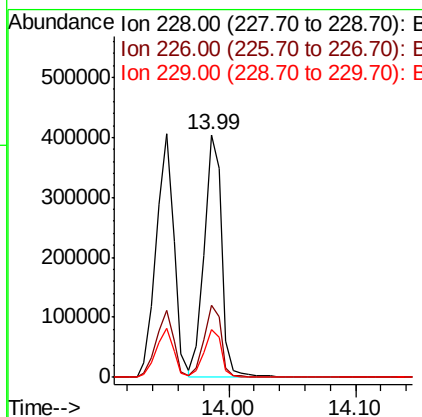
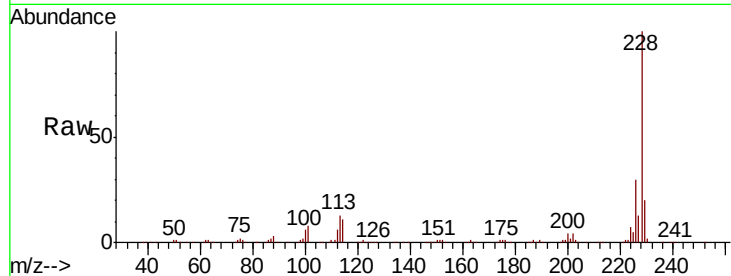
#83
 Chrysene
 Concen: 43.472 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.8	34.2
229	19.9	15.7	23.5

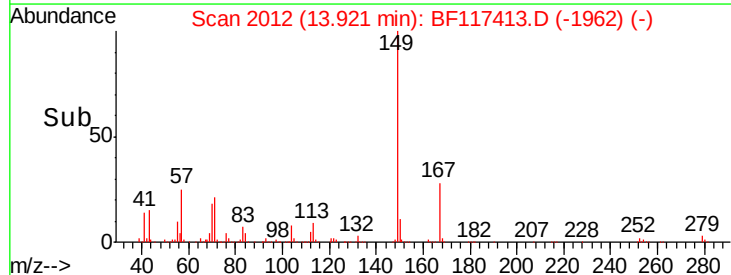
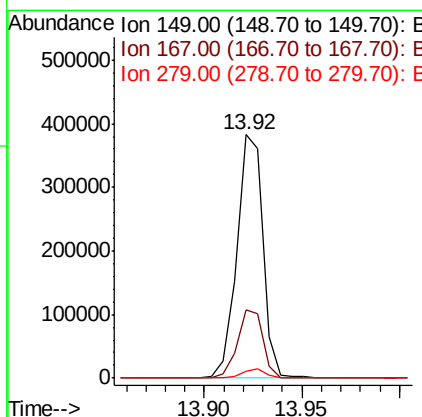
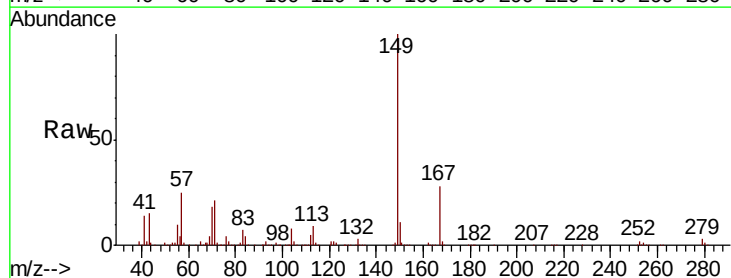
Manual Integrations
 APPROVED

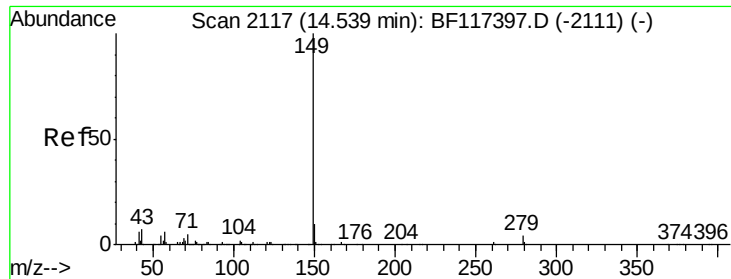
mohammad
 10/18/2019 8:26:33 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 42.850 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF117413.D
 Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	23.0	34.6
279	3.1	3.0	4.6





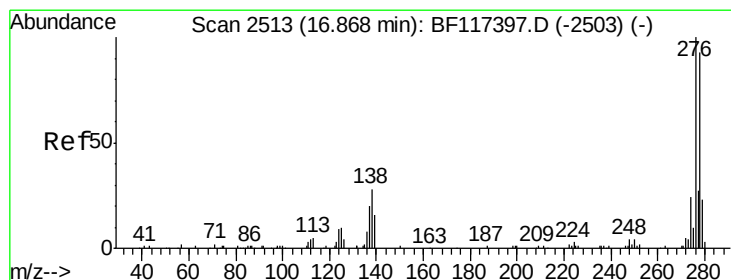
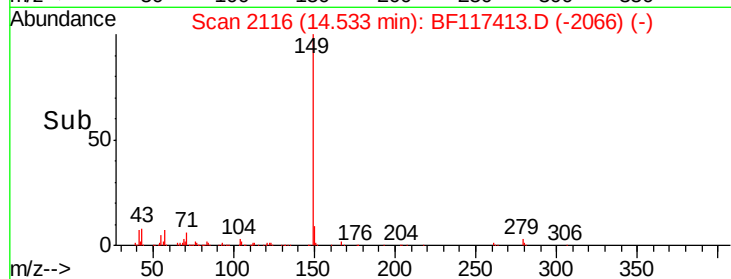
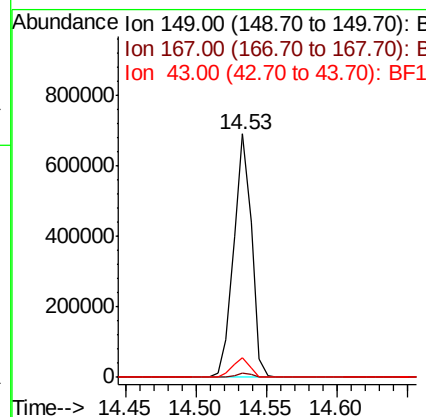
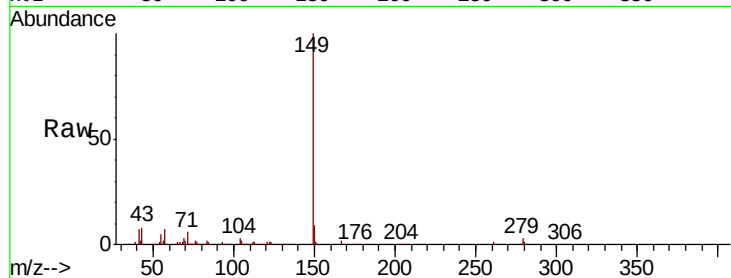
#85
Di-n-octyl phthalate
Concen: 48.306 ng
RT: 14.53 min Scan# 2116
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	7.9	6.6	9.8

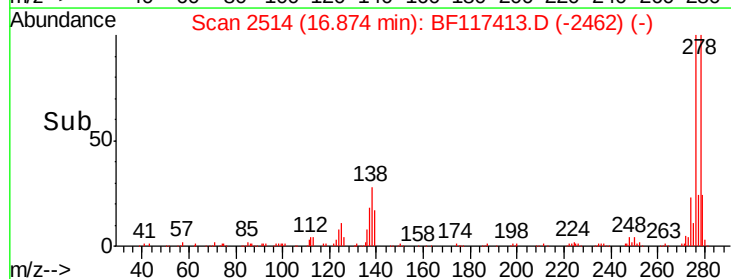
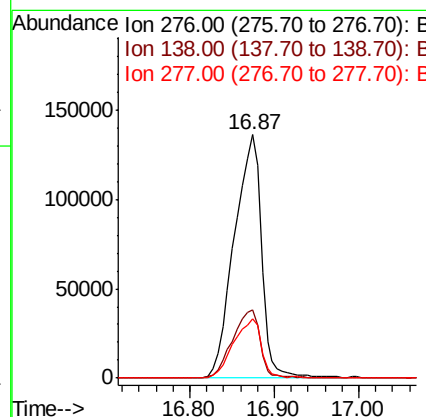
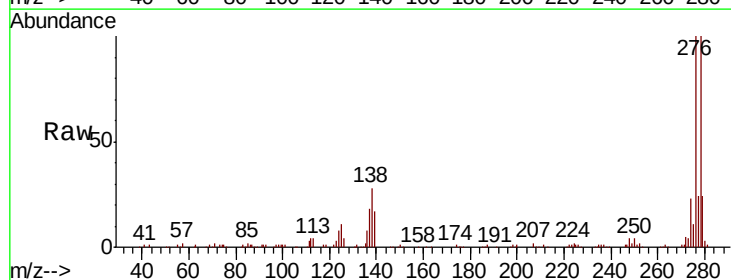
Manual Integrations
APPROVED

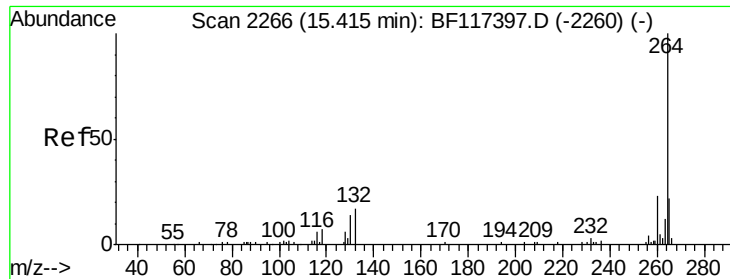
mohammad
10/18/2019 8:26:33 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 48.867 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.0	21.5	32.3
277	24.8	20.1	30.1





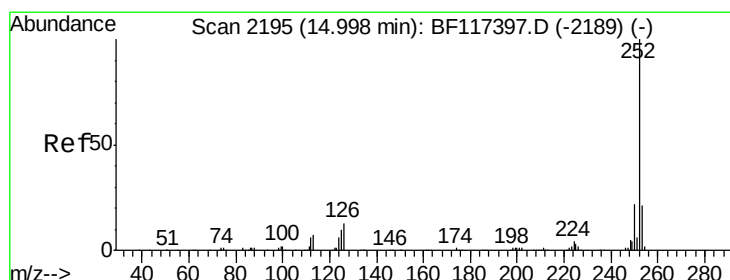
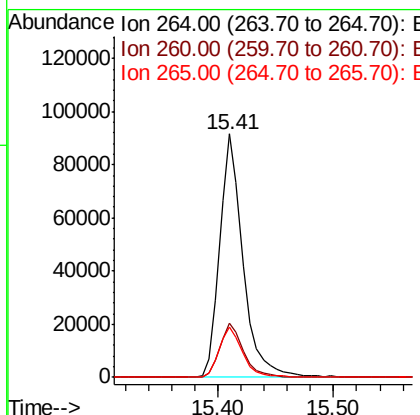
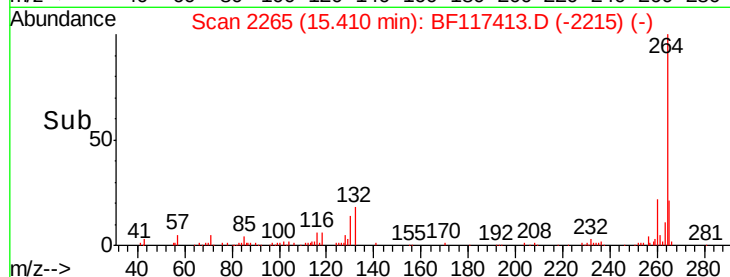
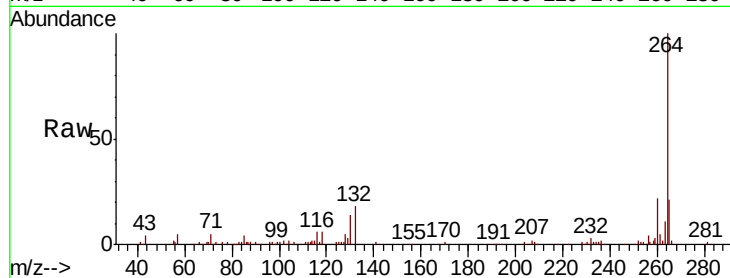
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.6	27.8
265	20.9	17.4	26.0

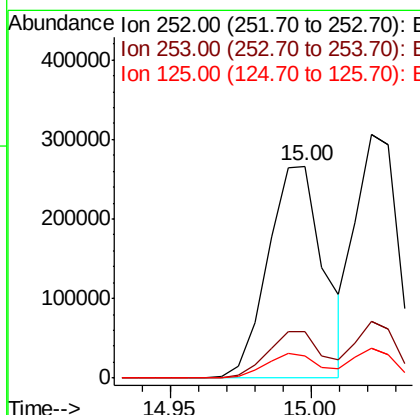
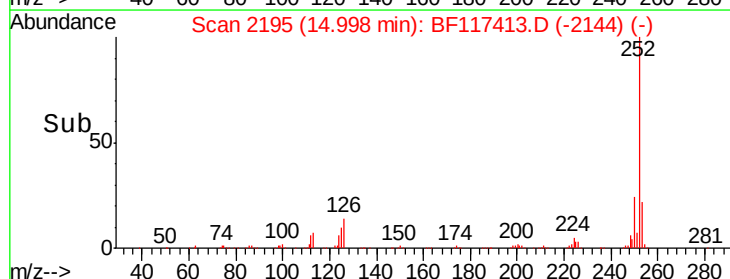
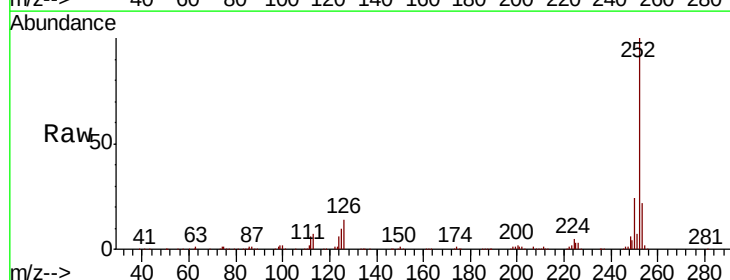
Manual Integrations
APPROVED

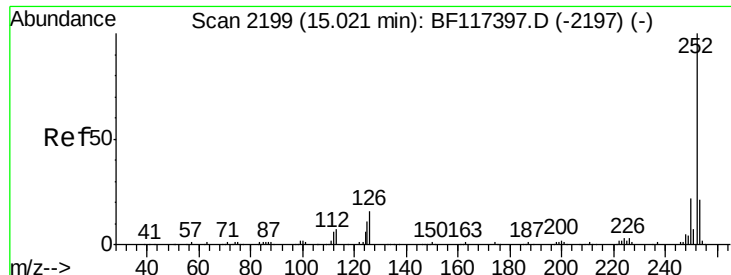
mohammad
10/18/2019 8:26:33 AM



#88
Benzo(b)fluoranthene
Concen: 46.107 ng
RT: 15.00 min Scan# 2195
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	10.3	8.2	12.2





#89

Benzo(k)fluoranthene

Concen: 41.131 ng

RT: 15.02 min Scan# 2199

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

Instrument :

BNA_F

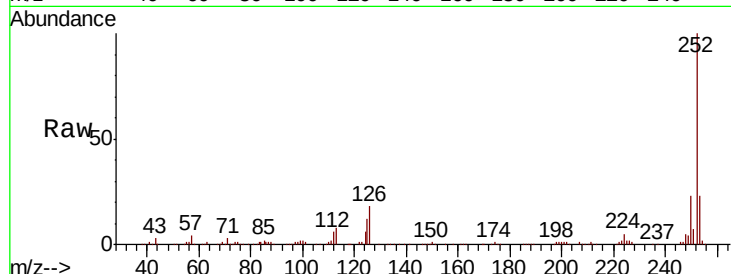
ClientSampleId :

OR-03-101119MSD

Tot Ion:	252	Resp:	324941
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	12.3	9.4	14.2

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM

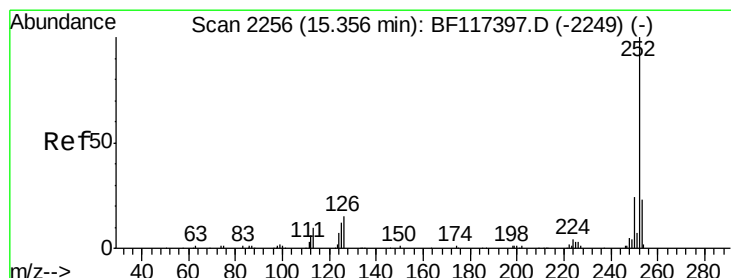
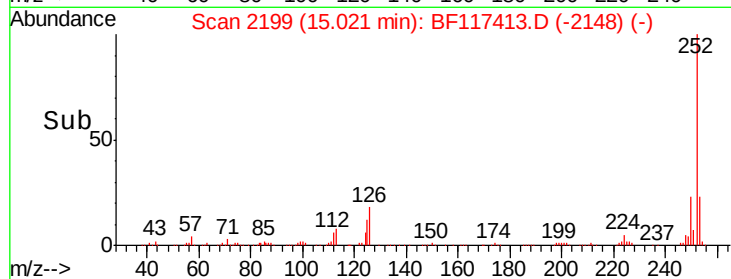
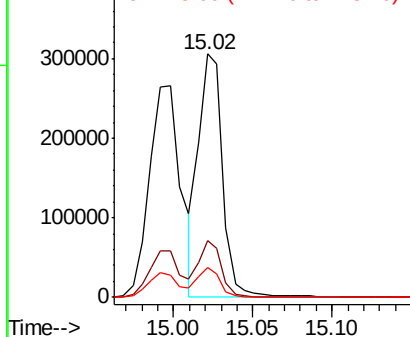


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 45.510 ng

RT: 15.36 min Scan# 2256

Delta R.T. 0.00 min

Lab File: BF117413.D

Acq: 16 Oct 2019 15:06

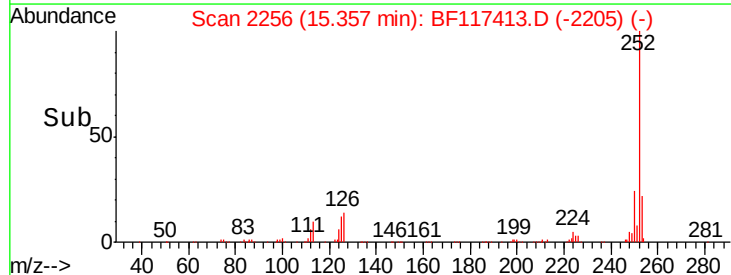
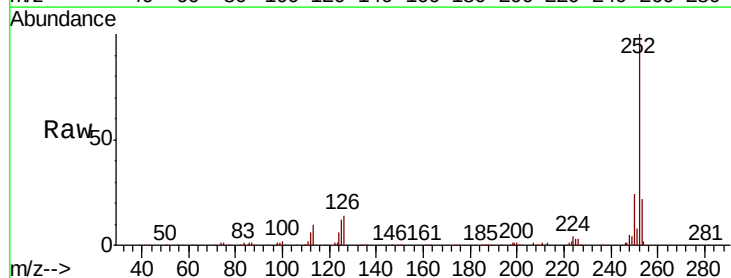
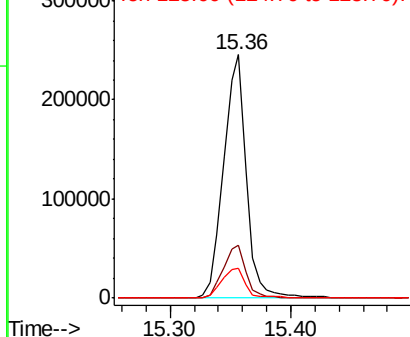
Tgt Ion:	252	Resp:	320355
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.0	27.0
125	12.1	9.4	14.0

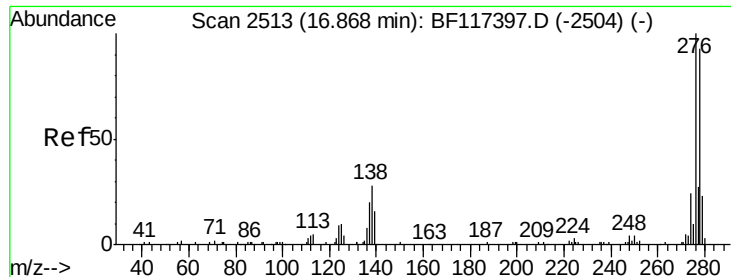
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





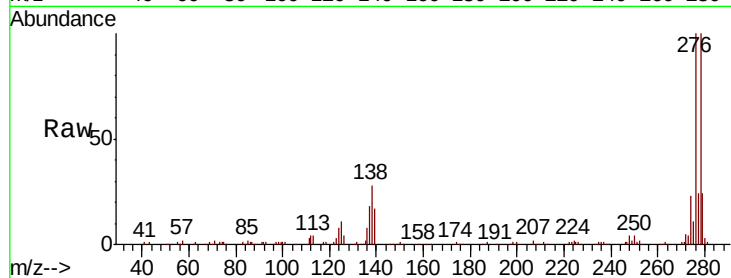
#91
Dibenzo(a,h)anthracene
Concen: 44.012 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Instrument :
BNA_F
ClientSampleId :
OR-03-101119MSD

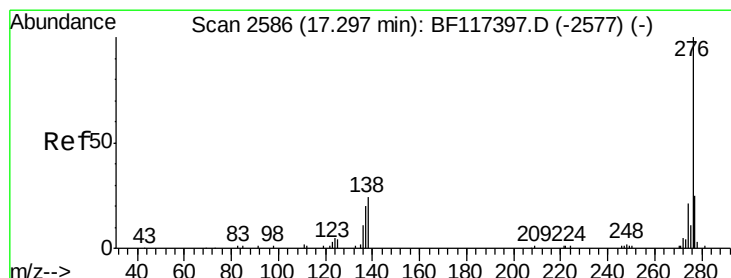
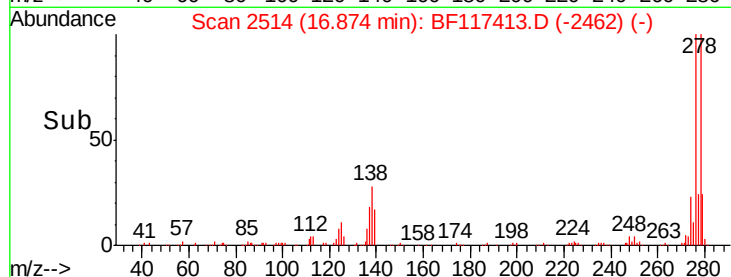
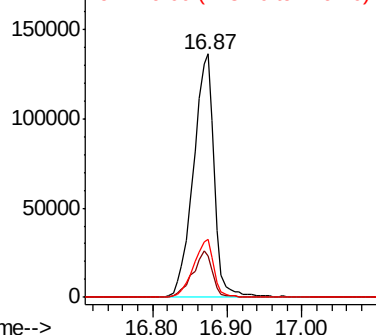
Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	14.1	21.1
279	23.9	19.8	29.6

Manual Integrations
APPROVED

mohammad
10/18/2019 8:26:33 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 41.762 ng
RT: 17.30 min Scan# 2586
Delta R.T. 0.00 min
Lab File: BF117413.D
Acq: 16 Oct 2019 15:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.9	29.9
138	24.3	19.3	28.9

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

