

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112111.D
 Acq On : 18 Jan 2019 2:02
 Operator : JU/SJ
 Sample : PB116445BSD
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB116445BSD

Manual Integrations
 APPROVED

Sohil
 1/18/2019 11:46:02 AM

Quant Time: Jan 18 03:28:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	322506	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1195870	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	554797	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	880858	20.00	ng	0.00
76) Chrysene-d12	14.03	240	666863	20.00	ng	0.00
87) Perylene-d12	15.50	264	530317	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1314295	73.97	ng	0.00
7) Phenol-d6	6.50	99	1642091	73.86	ng	0.00
23) Nitrobenzene-d5	7.42	82	1476567	85.31	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	416093	69.52	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2812428	74.32	ng	0.00
79) Terphenyl-d14	12.97	244	2068926	66.00	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.69	88	241850	29.021	ng	99
3) Pyridine	3.45	79	668529	32.030	ng	99
4) n-Nitrosodimethylamine	3.39	42	322424	38.047	ng	98
6) Aniline	6.52	93	265130	9.805	ng	# 1
8) 2-Chlorophenol	6.65	128	750217	36.354	ng	96
9) Benzaldehyde	6.40	77	205707	13.267	ng	100
10) Phenol	6.52	94	845831	34.813	ng	79
11) bis(2-Chloroethyl)ether	6.59	93	670251	34.695	ng	98
12) 1,3-Dichlorobenzene	6.80	146	806088	34.228	ng	99
13) 1,4-Dichlorobenzene	6.88	146	819707	34.027	ng	100
14) 1,2-Dichlorobenzene	7.03	146	765681	34.506	ng	98
15) Benzyl Alcohol	7.00	79	598467	36.133	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.13	45	941159	33.784	ng	82
17) 2-Methylphenol	7.12	107	581752	37.538	ng	98
18) Hexachloroethane	7.37	117	255460	31.773	ng	94
19) n-Nitroso-di-n-propylamine	7.27	70	491935	36.323	ng	97
20) 3+4-Methylphenols	7.28	107	737689	39.258	ng	# 60
22) Acetophenone	7.27	105	948596	34.239	ng	# 97
24) Nitrobenzene	7.45	77	735522	40.095	ng	93
25) Isophorone	7.68	82	1313375	39.284	ng	99
26) 2-Nitrophenol	7.76	139	363783	39.721	ng	96
27) 2,4-Dimethylphenol	7.80	122	641740	41.352	ng	100
28) bis(2-Chloroethoxy)methane	7.89	93	853915	37.234	ng	100
29) 2,4-Dichlorophenol	8.01	162	634090	37.403	ng	98
30) 1,2,4-Trichlorobenzene	8.09	180	693853	35.267	ng	99
31) Naphthalene	8.17	128	2051868	37.724	ng	99
32) Benzoic acid	7.92	122	212688	34.565	ng	98
33) 4-Chloroaniline	8.21	127	160010	6.546	ng	96
34) Hexachlorobutadiene	8.29	225	366310	33.457	ng	98
35) Caprolactam	8.58	113	194247m	32.737	ng	
36) 4-Chloro-3-methylphenol	8.71	107	596112	36.001	ng	96
37) 2-Methylnaphthalene	8.86	142	1431692	38.763	ng	98
38) 1-Methylnaphthalene	8.96	142	1344597	37.880	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.03	216	659678	37.029	ng	100

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112111.D
 Acq On : 18 Jan 2019 2:02
 Operator : JU/SJ
 Sample : PB116445BSD
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB116445BSD

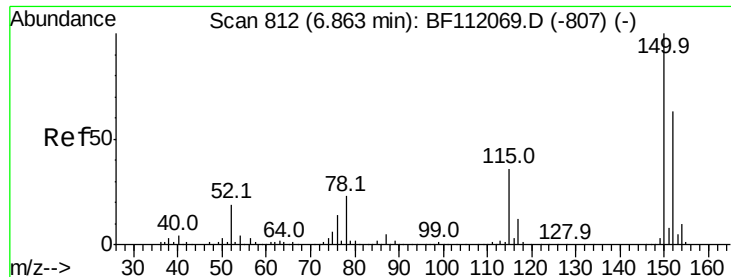
Manual Integrations
 APPROVED

Sohil
 1/18/2019 11:46:02 AM

Quant Time: Jan 18 03:28:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	115308	22.467	nq	98
43) 2,4,6-Trichlorophenol	9.14	196	418774	39.294	nq	99
44) 2,4,5-Trichlorophenol	9.19	196	440714	38.827	nq	99
46) 1,1'-Biphenyl	9.32	154	1708017	36.818	nq	99
47) 2-Chloronaphthalene	9.35	162	1322534	36.420	nq	98
48) 2-Nitroaniline	9.44	65	360215	44.040	nq	89
49) Acenaphthylene	9.76	152	2003015	37.799	nq	100
50) Dimethylphthalate	9.62	163	1550723	38.327	nq	99
51) 2,6-Dinitrotoluene	9.68	165	331694	41.051	nq	# 89
52) Acenaphthene	9.93	154	1161500	35.824	nq	99
53) 3-Nitroaniline	9.85	138	132294	14.641	nq	91
54) 2,4-Dinitrophenol	9.96	184	46194	31.076	nq	97
55) Dibenzofuran	10.10	168	1745757	35.605	nq	98
56) 4-Nitrophenol	10.03	139	403482	63.717	nq	96
57) 2,4-Dinitrotoluene	10.09	165	399368	39.410	nq	90
58) Fluorene	10.45	166	1322509	36.101	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.23	232	329740	38.497	nq	99
60) Diethylphthalate	10.32	149	1471198	37.250	nq	99
61) 4-Chlorophenyl-phenylether	10.44	204	684864	34.645	nq	98
62) 4-Nitroaniline	10.46	138	268695	29.948	nq	94
63) Azobenzene	10.60	77	1267147	33.503	nq	97
65) 4,6-Dinitro-2-methylphenol	10.50	198	51500	21.147	nq	96
66) n-Nitrosodiphenylamine	10.56	169	1194276	41.012	nq	99
67) 4-Bromophenyl-phenylether	10.93	248	401749	39.266	nq	97
68) Hexachlorobenzene	11.00	284	407715	36.993	nq	97
69) Atrazine	11.08	200	387864	41.276	nq	97
70) Pentachlorophenol	11.20	266	305902	59.426	nq	100
71) Phenanthrene	11.41	178	1708905	38.550	nq	99
72) Anthracene	11.46	178	1742996	38.814	nq	100
73) Carbazole	11.62	167	1534026	34.101	nq	99
74) Di-n-butylphthalate	11.94	149	2064158	40.792	nq	100
75) Fluoranthene	12.60	202	1644071	35.126	nq	99
77) Benzidine	12.72	184	680051	30.564	nq	96
78) Pyrene	12.83	202	1637840	37.226	nq	99
80) Butylbenzylphthalate	13.44	149	759754	39.362	nq	95
81) Benzo(a)anthracene	14.02	228	1502912	39.306	nq	99
82) 3,3'-Dichlorobenzidine	13.97	252	464419	32.433	nq	99
83) Chrysene	14.06	228	1389296	38.400	nq	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	1098667	39.717	nq	99
85) Di-n-octyl phthalate	14.61	149	1794318	42.099	nq	99
86) Indeno(1,2,3-cd)pyrene	16.99	276	1046544	31.353	nq	100
88) Benzo(b)fluoranthene	15.07	252	1297811	43.112	nq	99
89) Benzo(k)fluoranthene	15.10	252	1172805	40.253	nq	99
90) Benzo(a)pyrene	15.44	252	1126877	40.819	nq	99
91) Dibenzo(a,h)anthracene	17.00	278	890353	36.312	nq	99
92) Benzo(g,h,i)perylene	17.43	276	839624	34.759	nq	99

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



#1

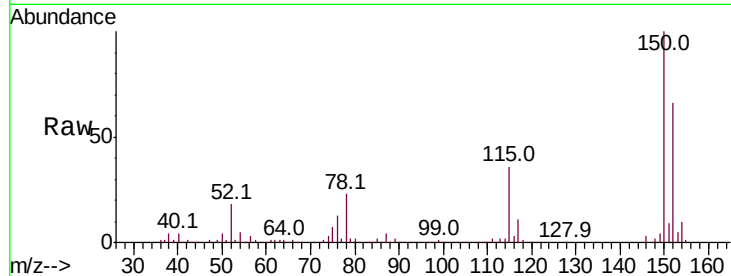
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	127.4	191.0
115	54.6	45.5	68.3

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM

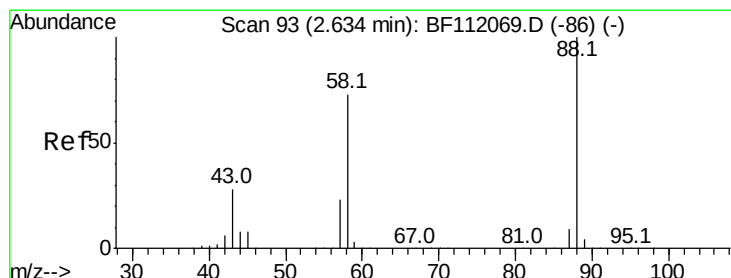
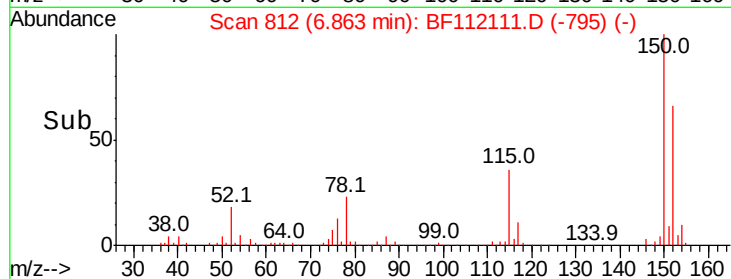
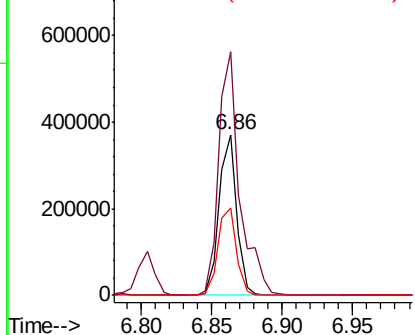


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

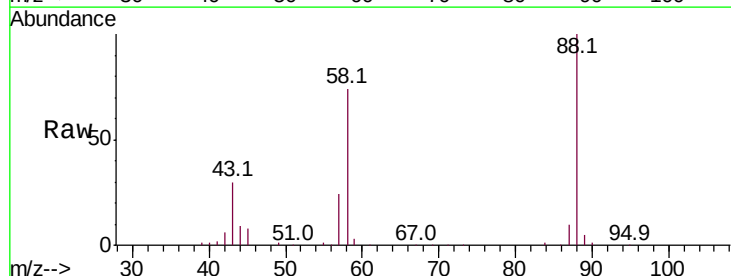
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 29.021 ng
RT: 2.69 min Scan# 103
Delta R.T. 0.06 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
88	100		
58	70.6	57.4	86.2
43	28.3	22.2	33.4

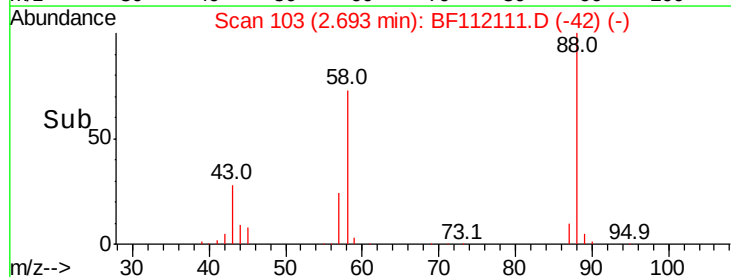
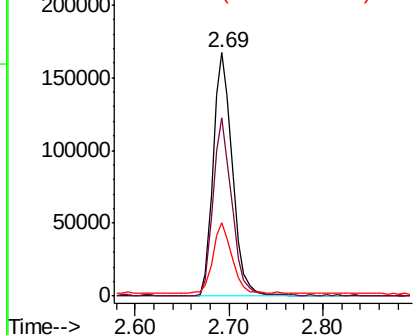


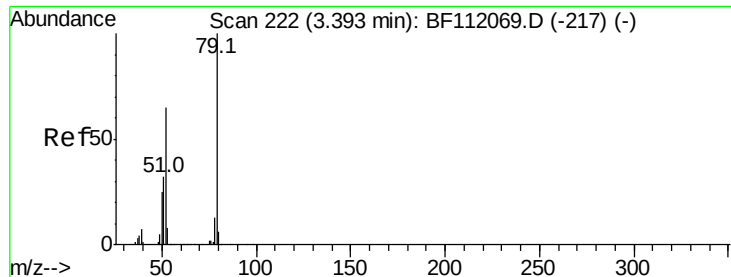
Abundance

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: 32.030 ng

RT: 3.45 min Scan# 231

Delta R.T. 0.05 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Instrument :

BNA_F

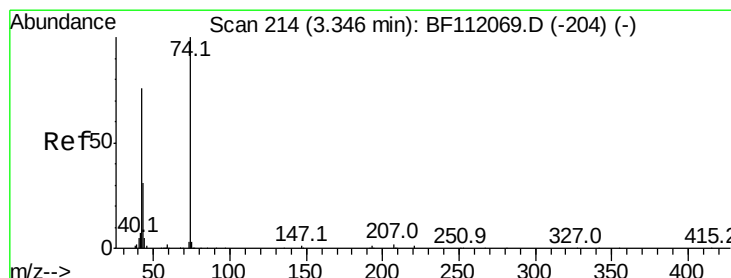
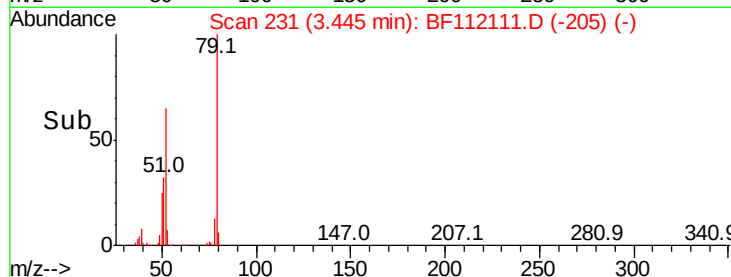
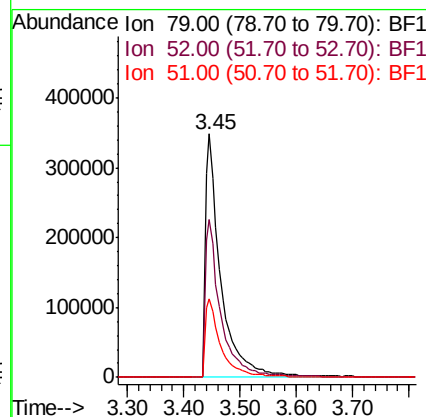
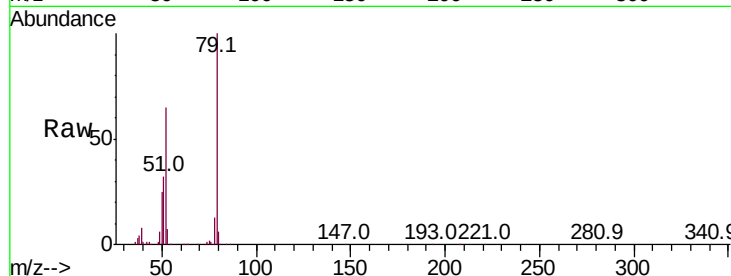
ClientSampleId :

PB116445BSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	65.1	52.4	78.6
51	32.3	26.1	39.1

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM



#4

n-Nitrosodimethylamine

Concen: 38.047 ng

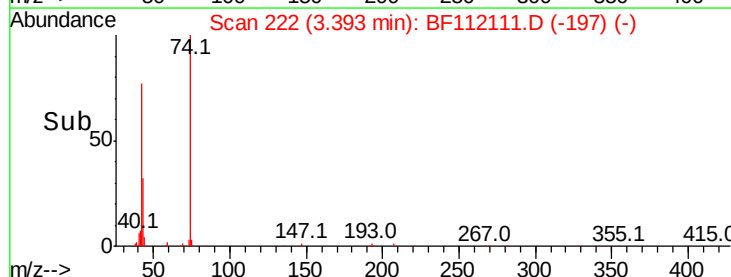
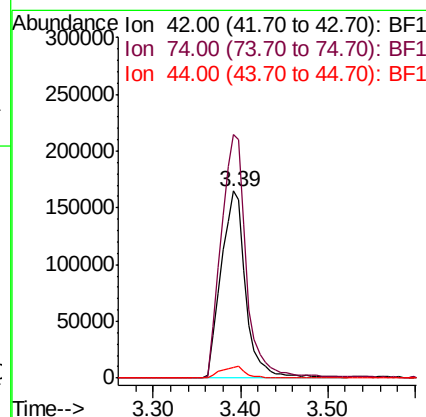
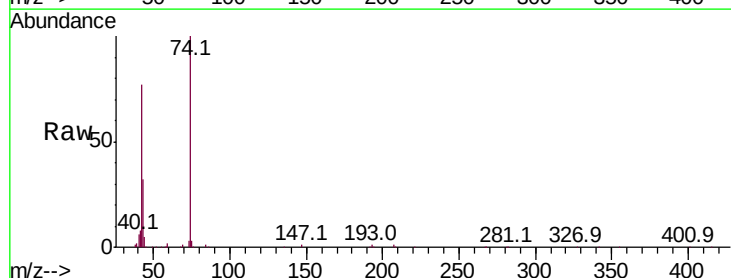
RT: 3.39 min Scan# 222

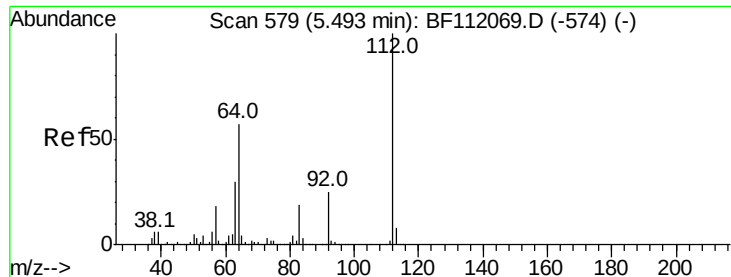
Delta R.T. 0.05 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
42	100		
74	130.1	105.6	158.4
44	5.9	5.4	8.2





#5

2-Fluorophenol

Concen: 73.967 ng

RT: 5.50 min Scan# 580

Delta R.T. 0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Instrument :

BNA_F

ClientSampleId :

PB116445BSD

Tot Ion:112 Resp: 1314295

Ion Ratio Lower Upper

112 100

64 57.6 45.7 68.5

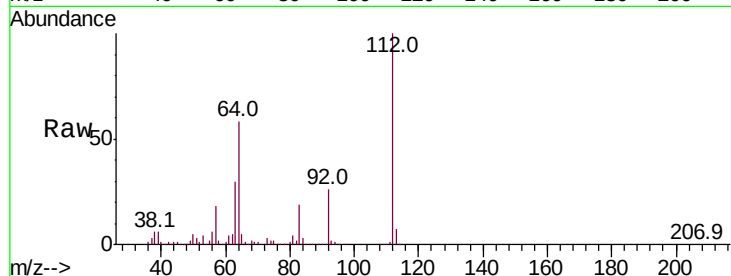
63 30.4 23.6 35.4

Manual Integrations

APPROVED

Sohil

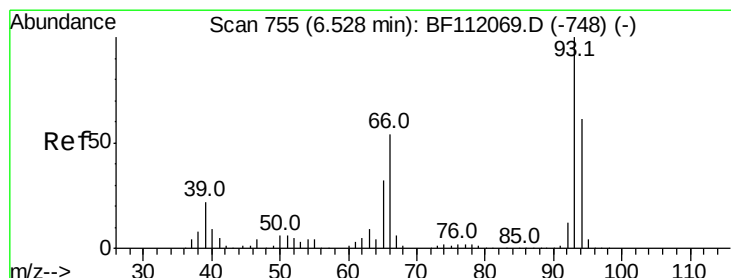
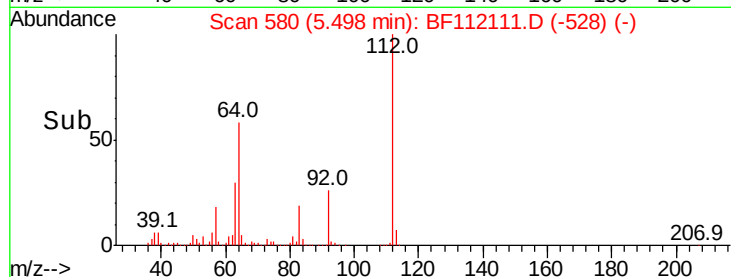
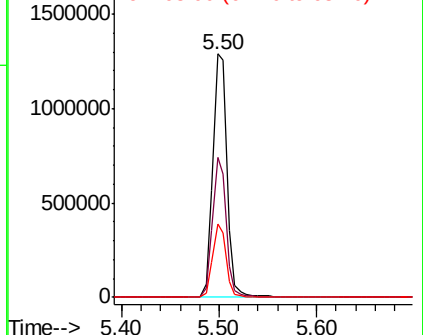
1/18/2019 11:46:02 AM



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 9.805 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

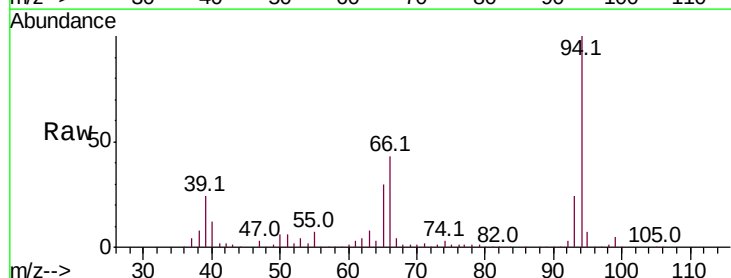
Tgt Ion: 93 Resp: 265130

Ion Ratio Lower Upper

93 100

66 178.3 43.4 65.2#

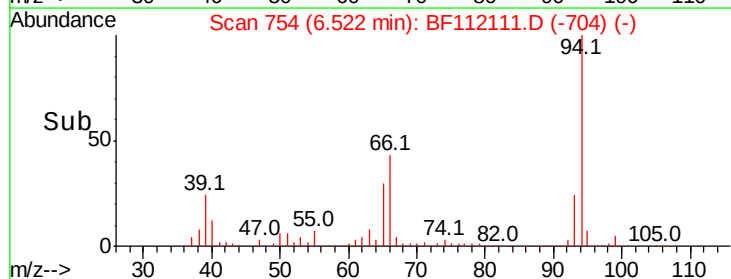
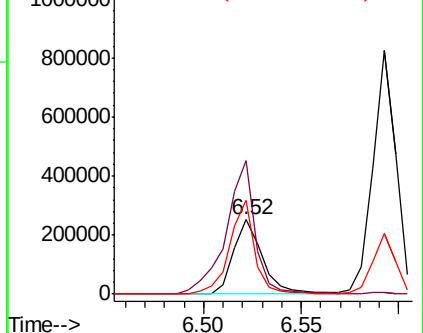
65 125.4 25.3 37.9#

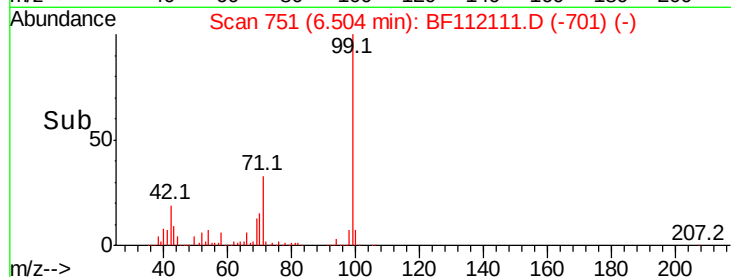
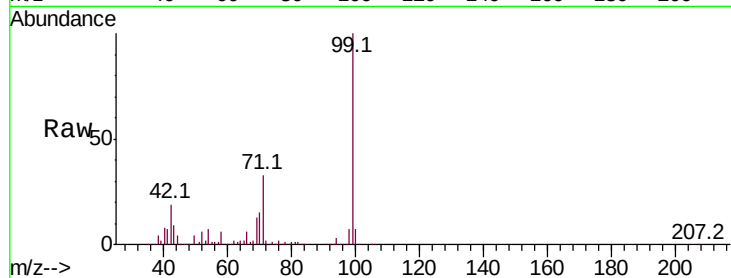
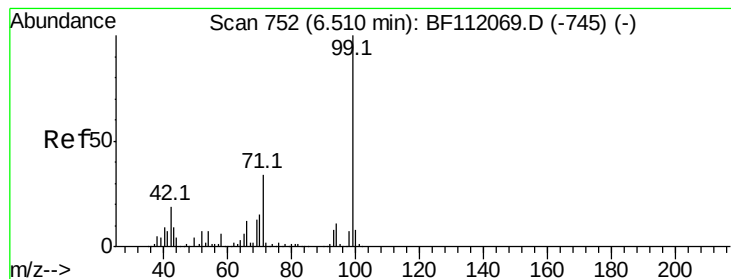


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 73.864 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Tot Ion:	99	Resp:	1642091
Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.1	22.7
71	33.5	26.9	40.3

Instrument :

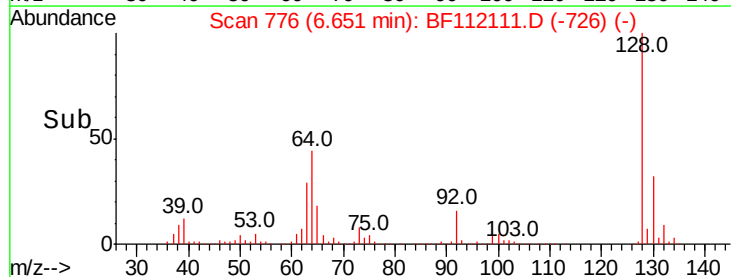
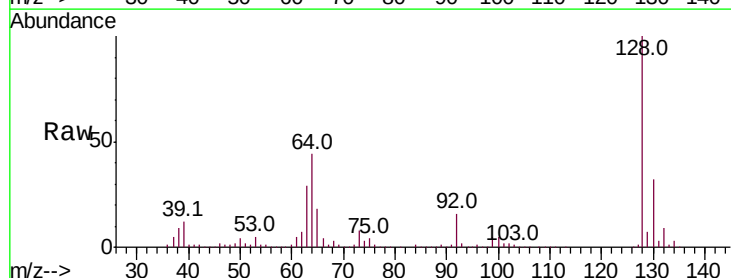
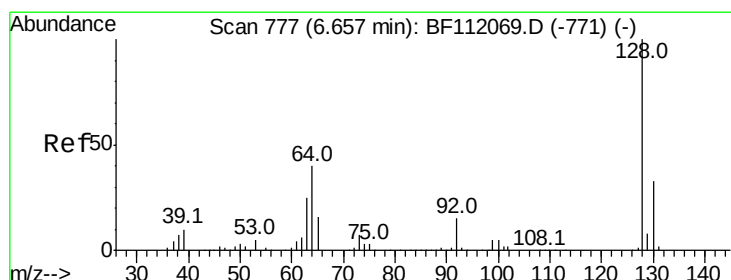
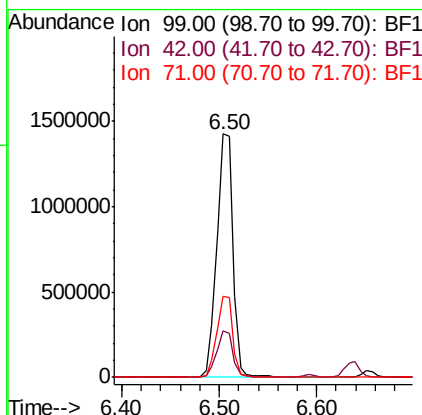
BNA_F

ClientSampleId :

PB116445BSD

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM



#8

2-Chlorophenol

Concen: 36.354 ng

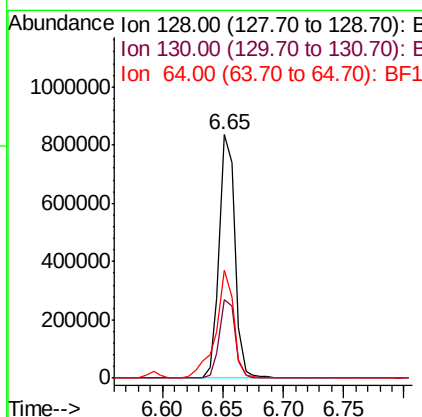
RT: 6.65 min Scan# 776

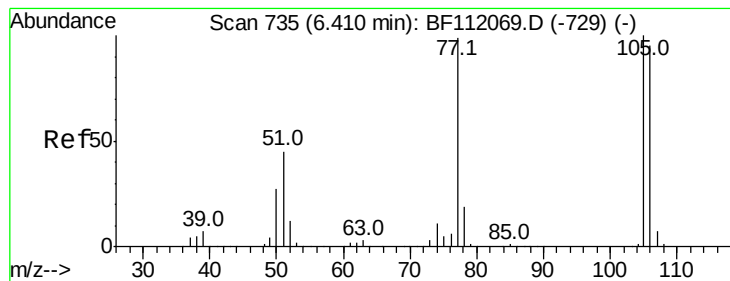
Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Tgt Ion:	128	Resp:	750217
Ion	Ratio	Lower	Upper
128	100		
130	32.2	13.4	53.4
64	44.5	20.5	60.5





#9

Benzaldehyde

Concen: 13.267 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Instrument :

BNA_F

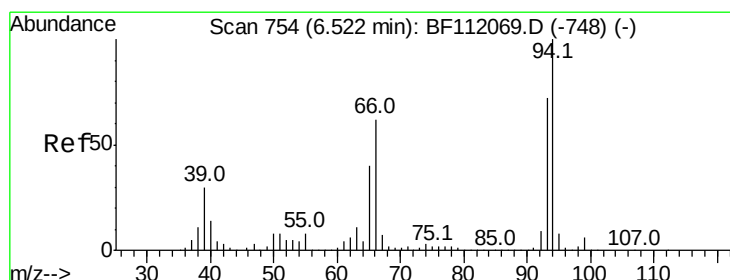
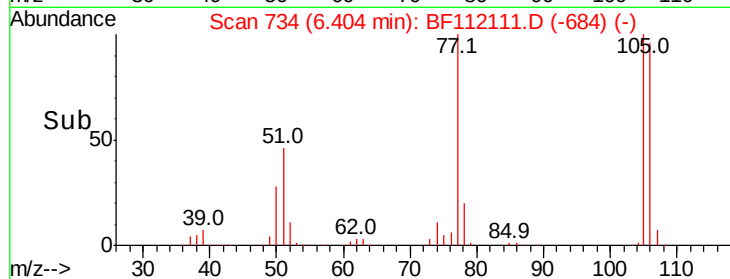
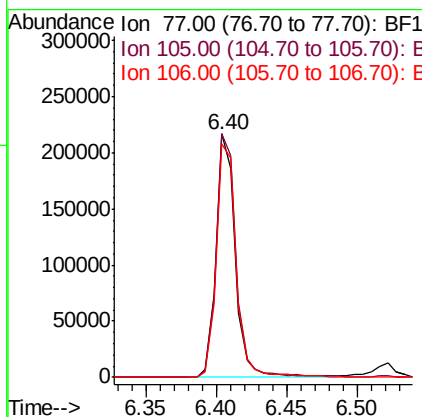
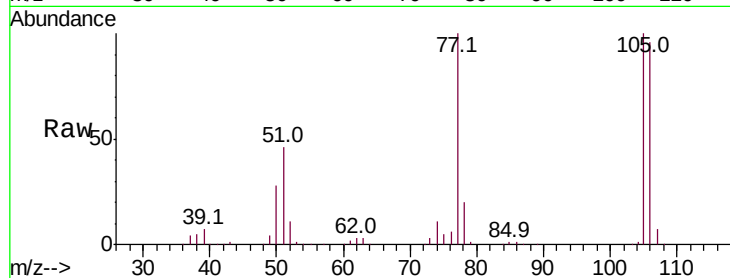
ClientSampleID :

PB116445BSD

Tot Ion:	77	Resp:	205707
Ion Ratio	Lower	Upper	
77	100		
105	100.0	80.8	120.8
106	95.7	75.7	115.7

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM



#10

Phenol

Concen: 34.813 ng

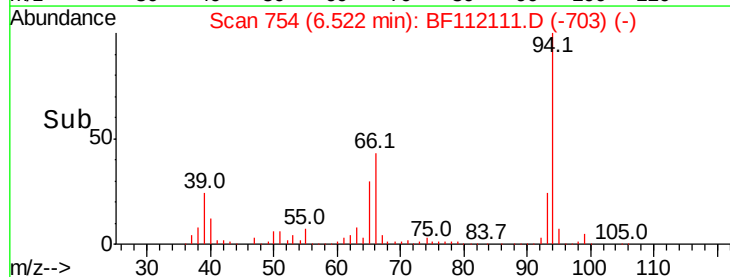
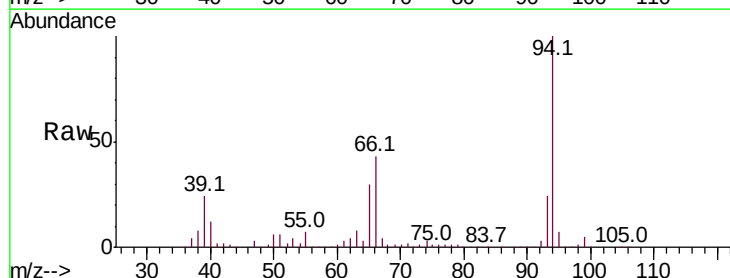
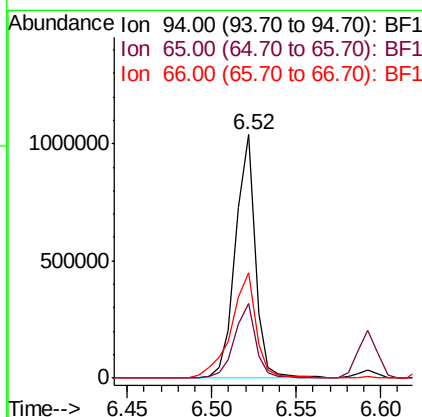
RT: 6.52 min Scan# 754

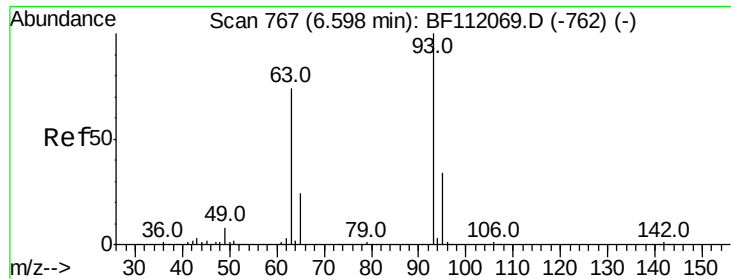
Delta R.T. -0.00 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Tgt Ion:	94	Resp:	845831
Ion Ratio	Lower	Upper	
94	100		
65	30.5	20.3	60.3
66	43.3	42.4	82.4





#11

bis(2-Chloroethyl)ether

Concen: 34.695 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Instrument :

BNA_F

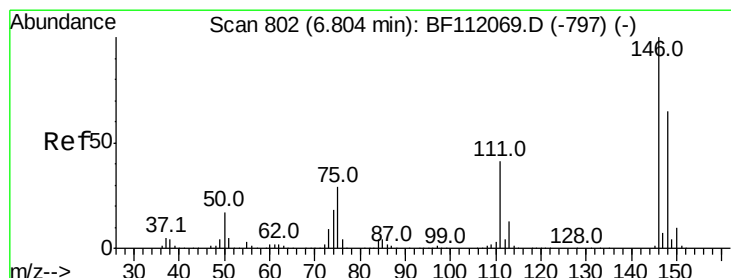
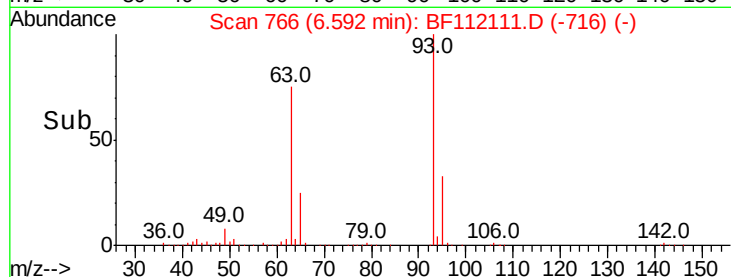
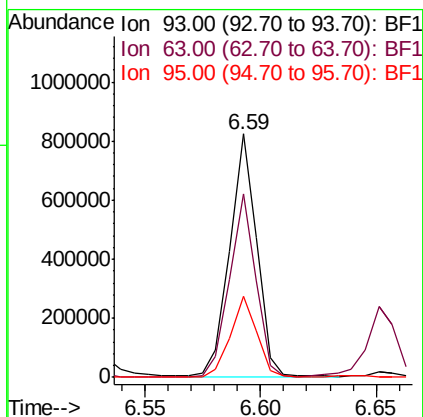
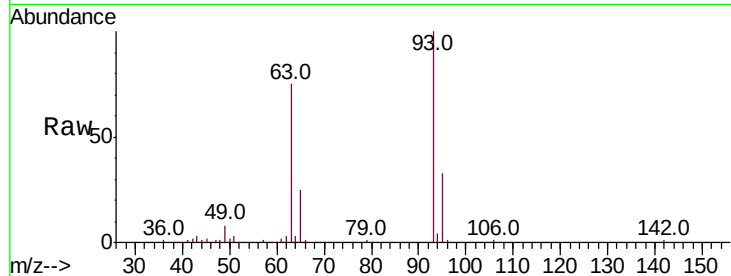
ClientSampleId :

PB116445BSD

Tot Ion:	93	Resp:	670251
Ion Ratio	Lower	Upper	
93	100		
63	75.4	53.3	93.3
95	33.5	13.4	53.4

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM



#12

1,3-Dichlorobenzene

Concen: 34.228 ng

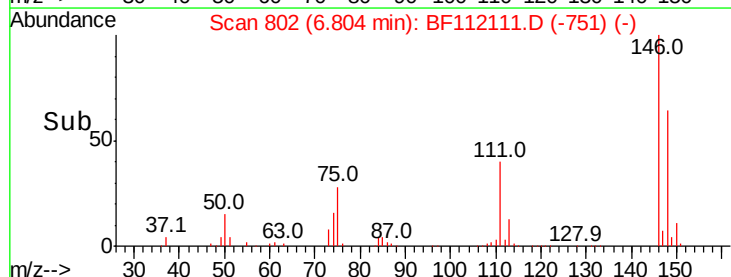
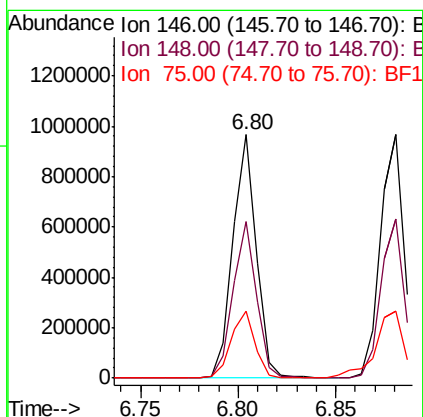
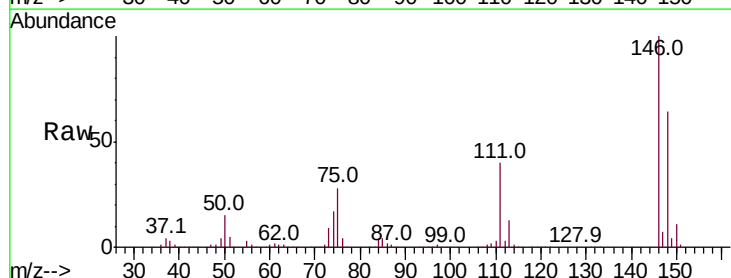
RT: 6.80 min Scan# 802

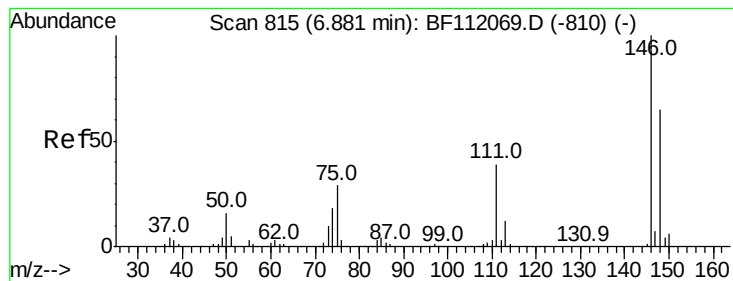
Delta R.T. -0.00 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Tgt Ion:	146	Resp:	806088
Ion Ratio	Lower	Upper	
146	100		
148	64.3	51.8	77.8
75	27.8	23.1	34.7





#13

1,4-Dichlorobenzene

Concen: 34.027 ng

RT: 6.88 min Scan# 815

Delta R.T. -0.00 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Instrument :

BNA_F

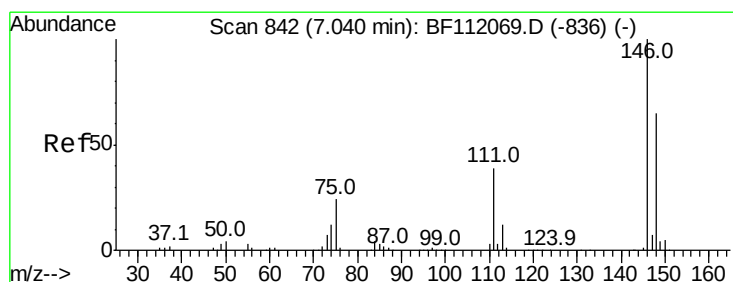
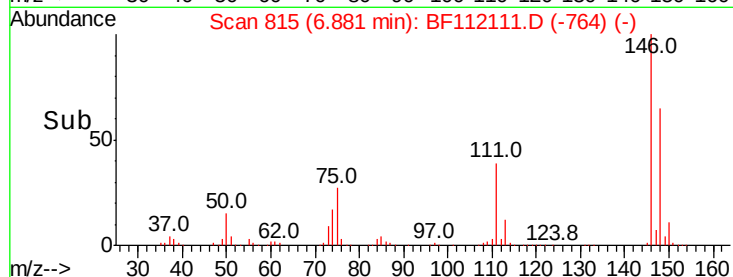
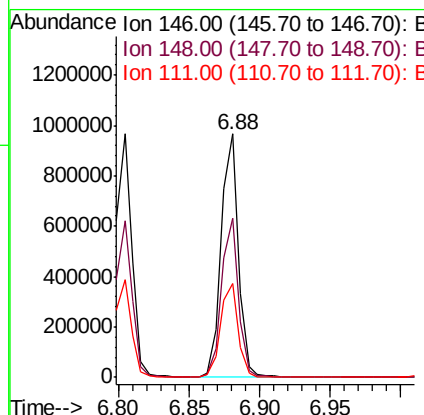
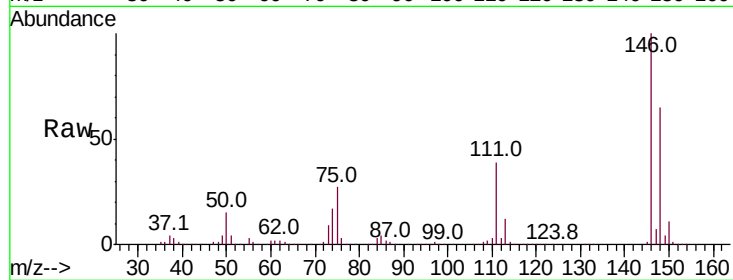
ClientSampleId :

PB116445BSD

Tot Ion:	146	Resp:	819707
Ion Ratio	Lower	Upper	
146	100		
148	65.3	52.0	78.0
111	38.7	31.2	46.8

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM



#14

1,2-Dichlorobenzene

Concen: 34.506 ng

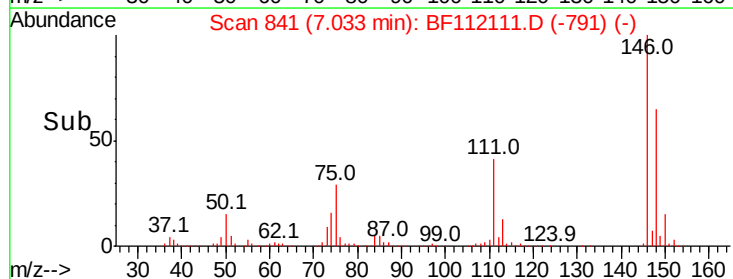
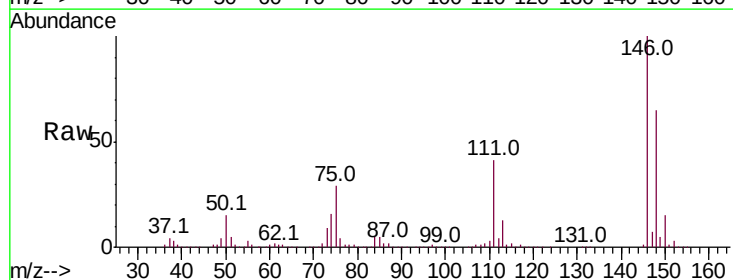
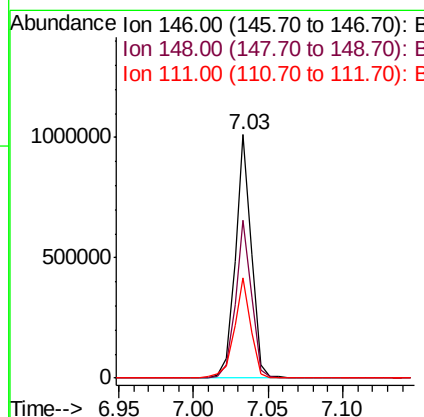
RT: 7.03 min Scan# 841

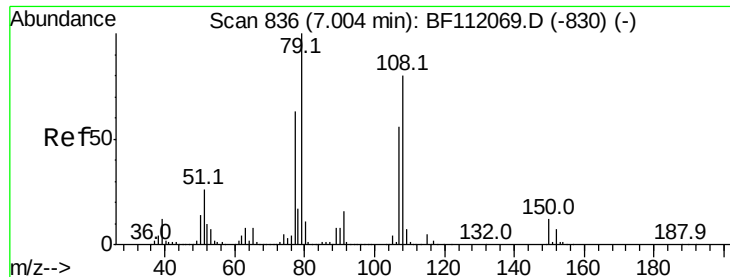
Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Tgt Ion:	146	Resp:	765681
Ion Ratio	Lower	Upper	
146	100		
148	64.6	52.2	78.4
111	41.3	31.2	46.8





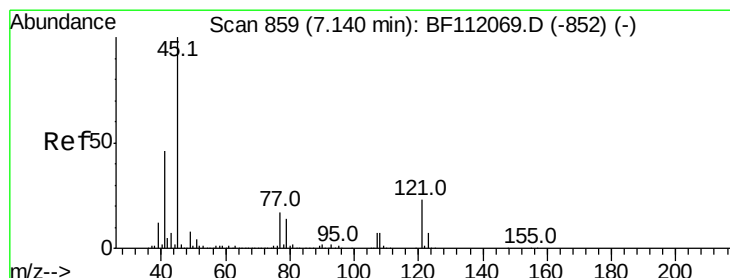
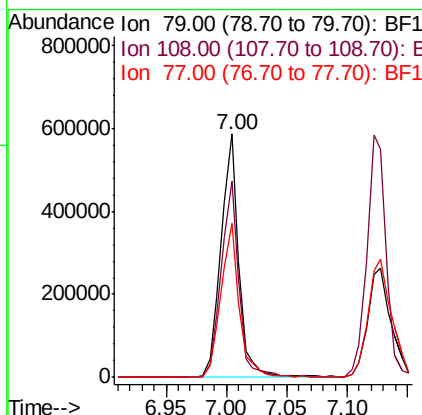
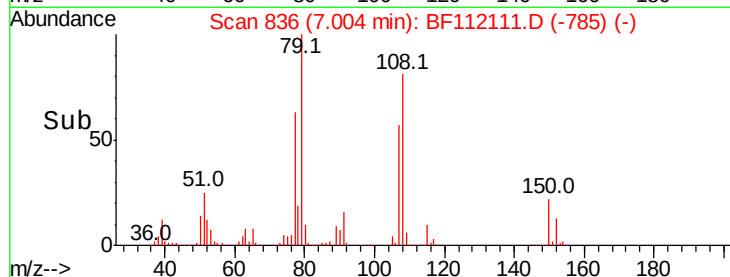
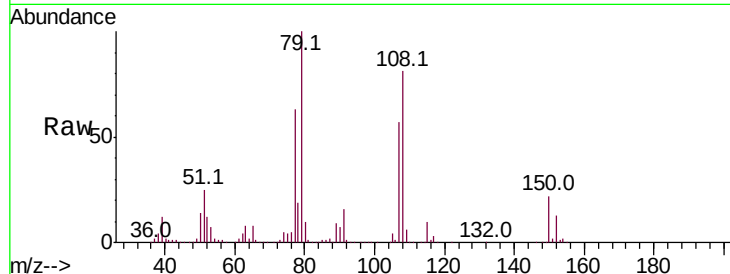
#15
Benzyl Alcohol
Concen: 36.133 ng
RT: 7.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	80.7	64.2	96.2
77	63.1	50.3	75.5

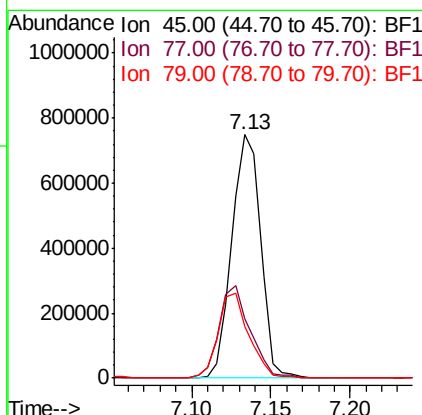
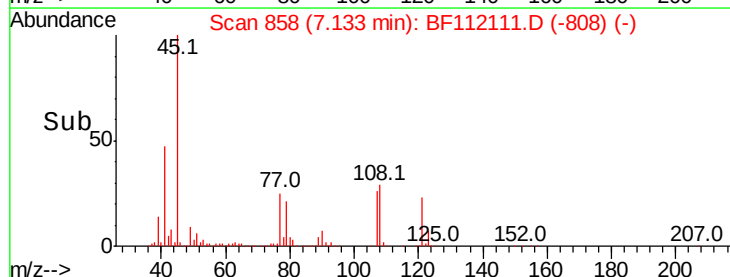
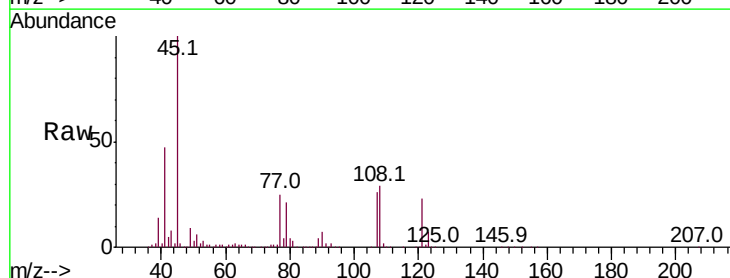
Manual Integrations
APPROVED

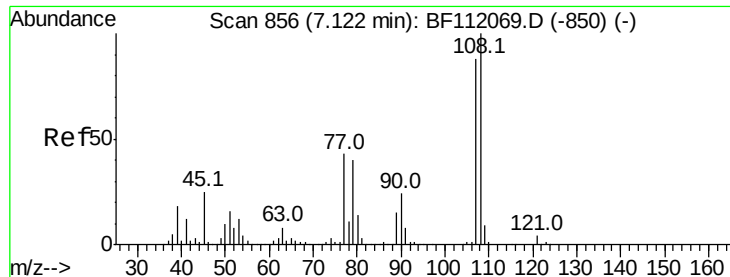
Sohil
1/18/2019 11:46:02 AM



#16
2,2'-oxybis(1-chloropropane)
Concen: 33.784 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
45	100		
77	24.6	0.0	36.9
79	21.0	0.0	34.0





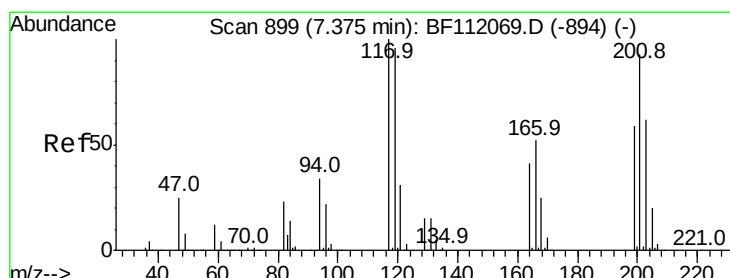
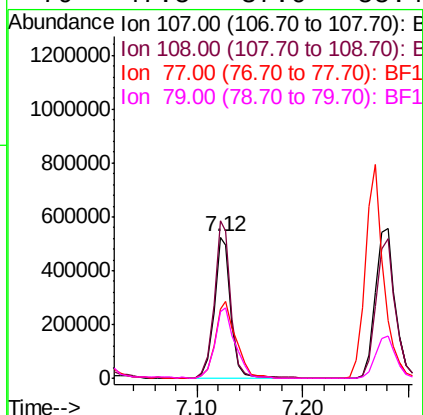
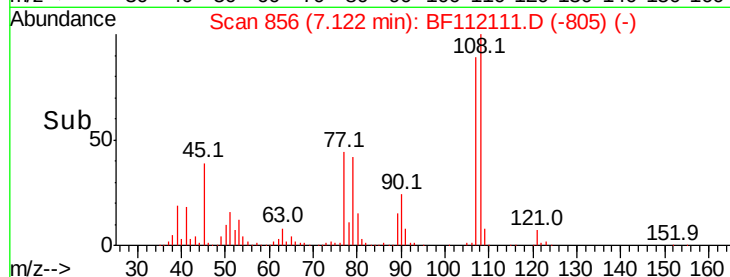
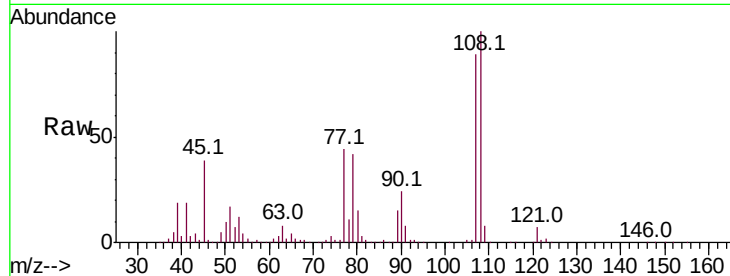
#17
2-Methylphenol
Concen: 37.538 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		581752		
108	111.8	91.3	136.9		
77	49.1	39.0	58.6		
79	47.5	37.0	55.4		

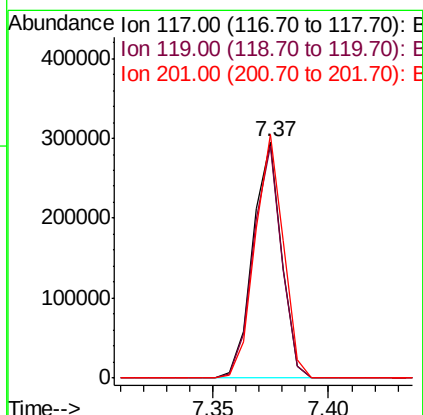
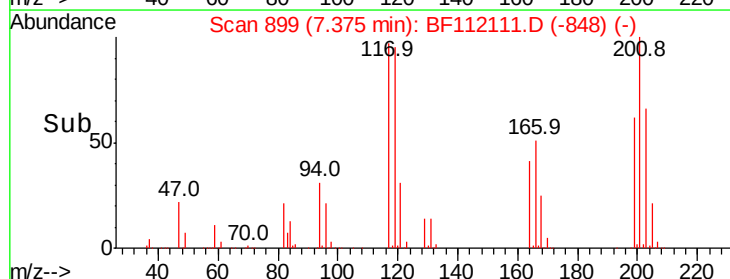
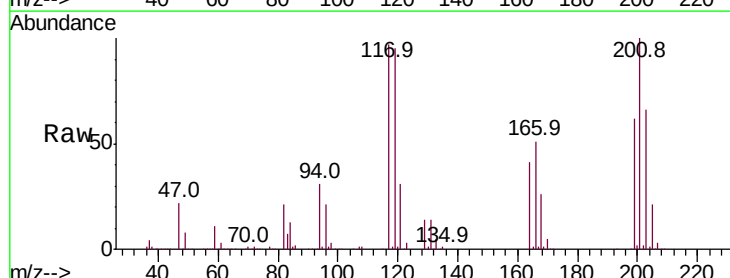
Manual Integrations
APPROVED

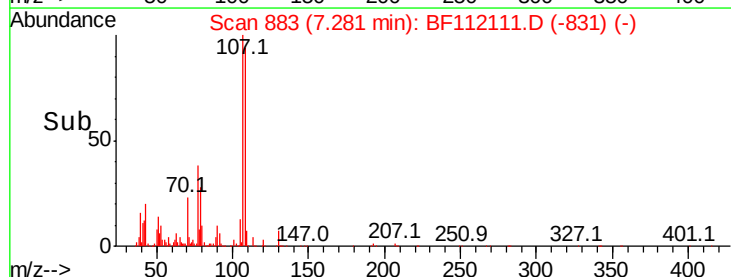
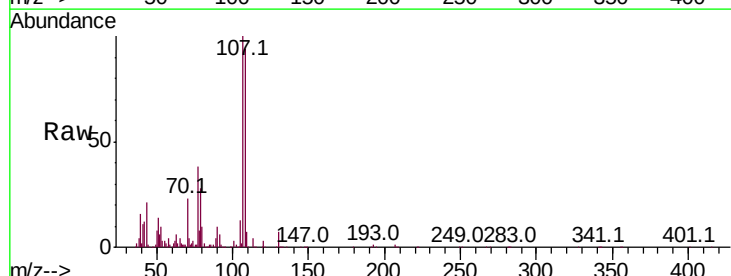
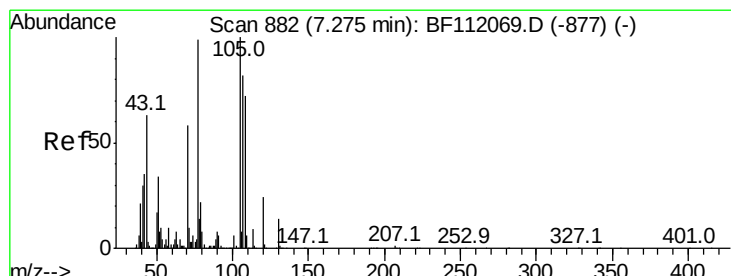
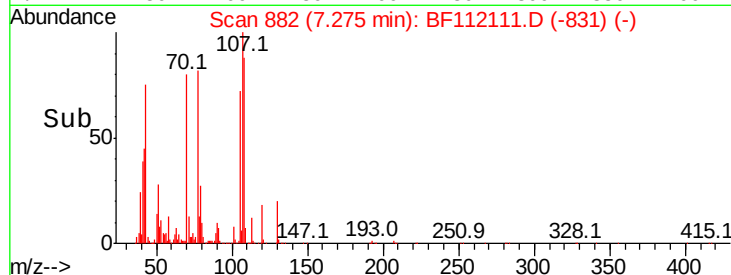
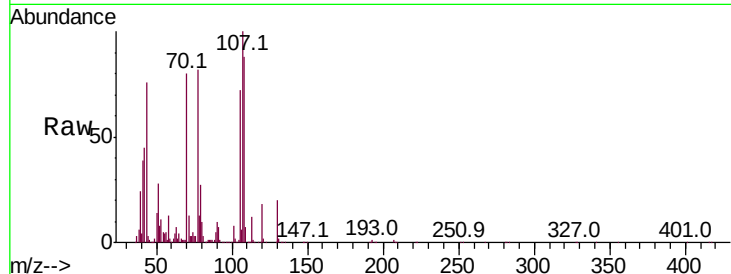
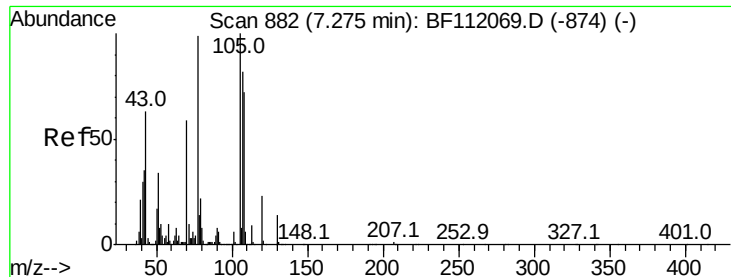
Sohil
1/18/2019 11:46:02 AM



#18
Hexachloroethane
Concen: 31.773 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

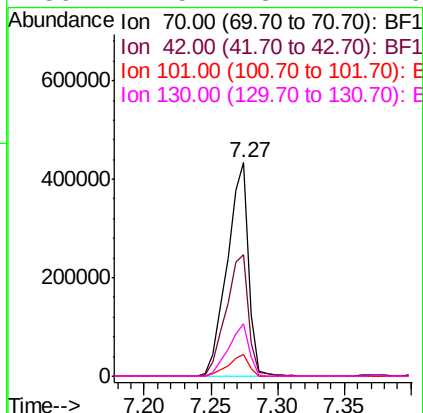
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		255460		
119	98.2	77.0	115.4		
201	103.1	74.1	111.1		





#19
n-Nitroso-di-n-propylamine
Concen: 36.323 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Tot Ion	Ratio	Lower	Upper
70	100		
42	57.0	47.6	71.4
101	10.0	7.9	11.9
130	24.5	18.4	27.6



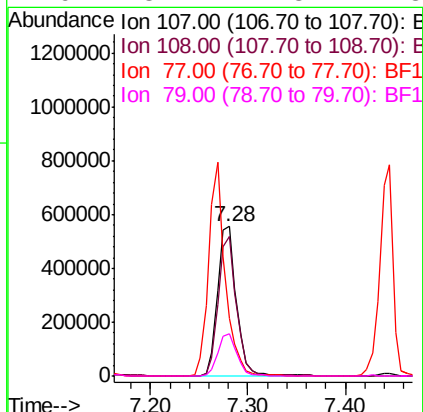
Instrument :
BNA_F
ClientSampleId :
PB116445BSD

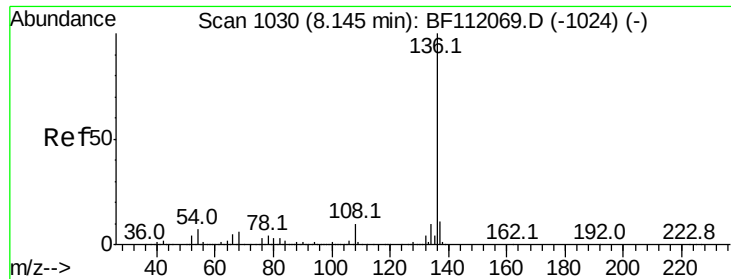
Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM

#20
3+4-Methylphenols
Concen: 39.258 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.7	68.2	108.2
77	38.3	100.7	140.7#
79	28.1	7.3	47.3





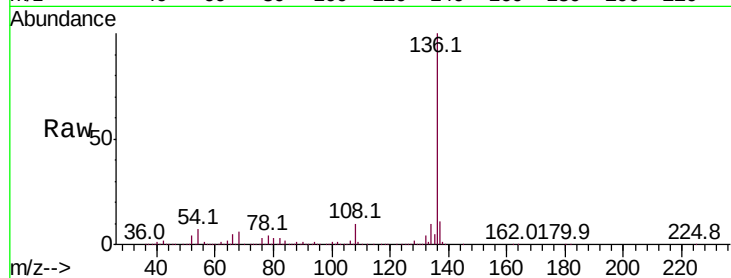
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	7.4	5.9	8.9
68	6.0	5.1	7.7

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM



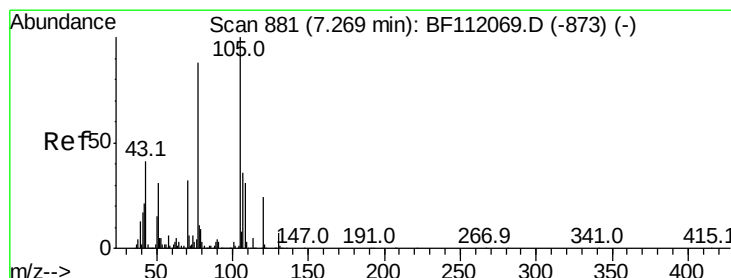
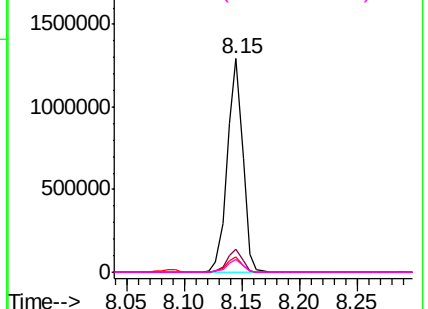
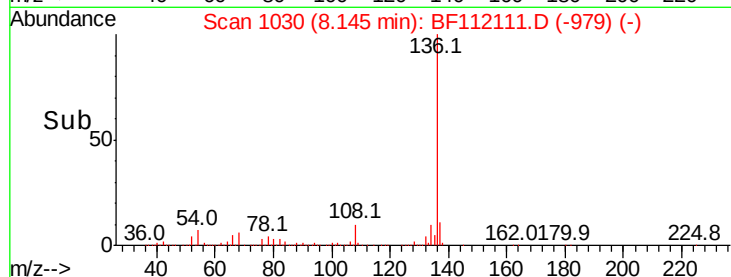
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

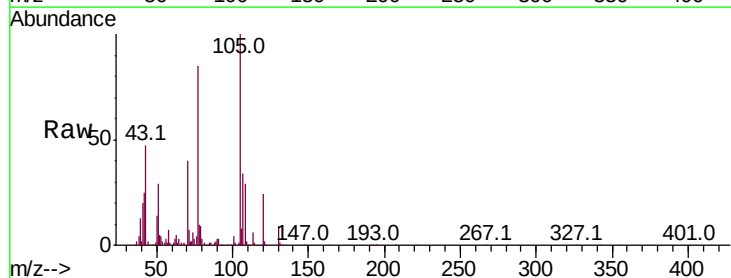
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 34.239 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
105	100		
71	7.1	4.6	6.8#
51	29.0	25.0	37.6
120	24.0	19.0	28.4



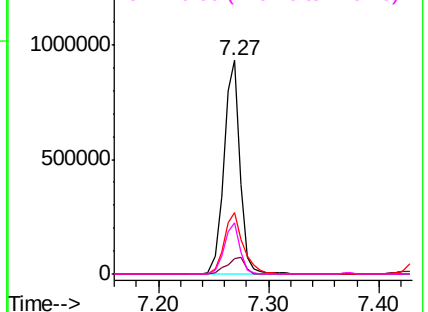
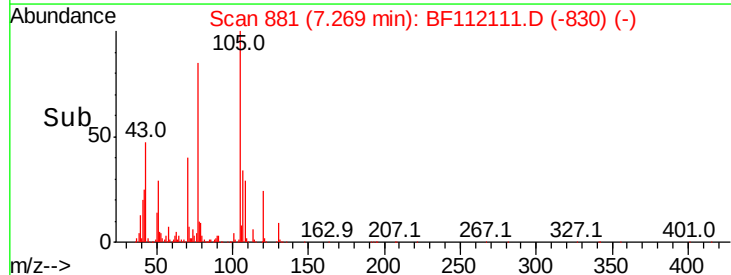
Abundance

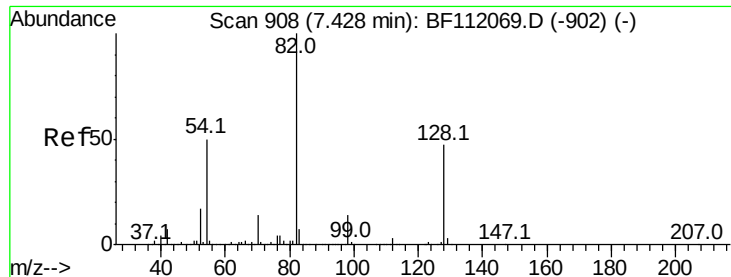
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23
 Nitrobenzene-d5
 Concen: 85.306 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

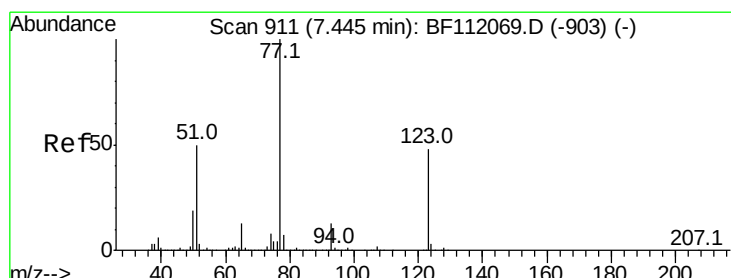
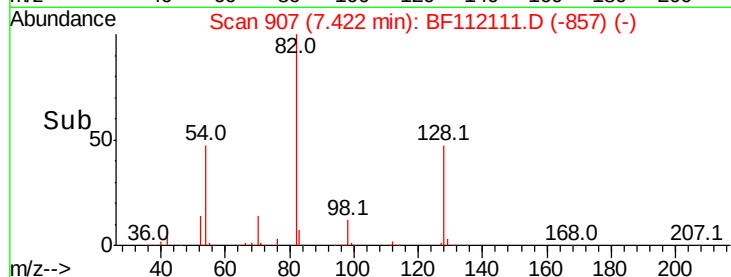
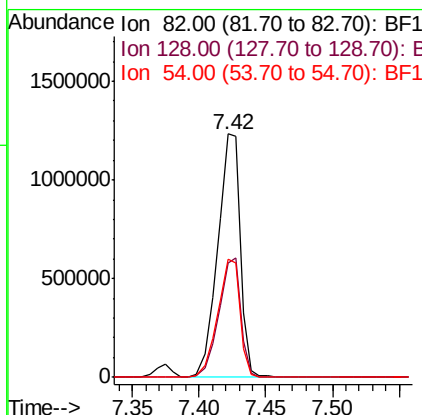
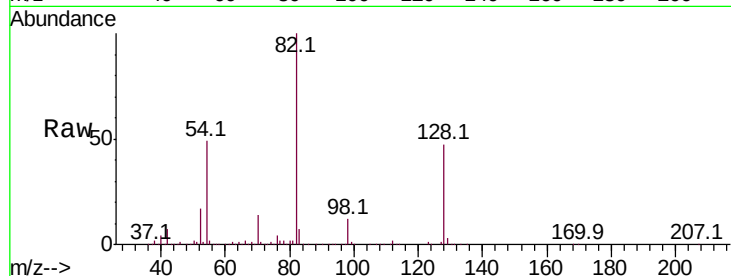
Instrument :
 BNA_F
 ClientSampleId :
 PB116445BSD

Tot Ion: 82 Resp: 1476567

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.8	56.8
54	48.7	39.7	59.5

Manual Integrations
 APPROVED

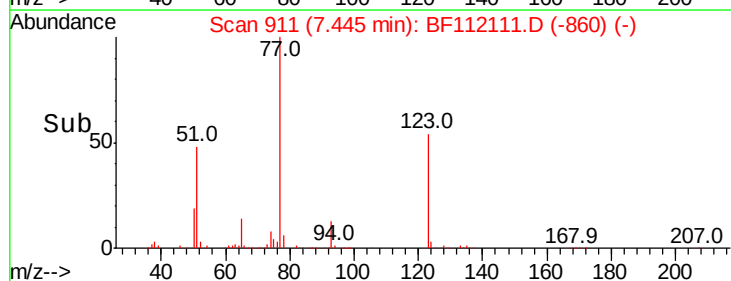
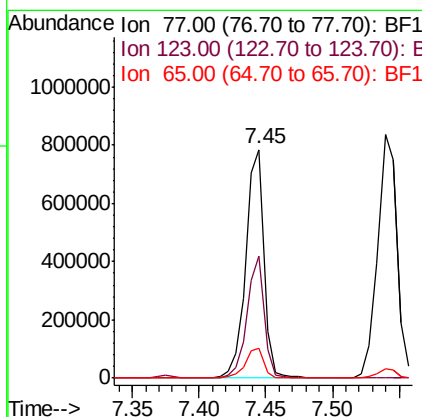
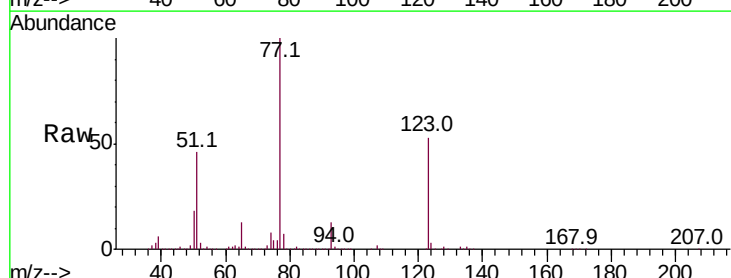
Sohil
 1/18/2019 11:46:02 AM

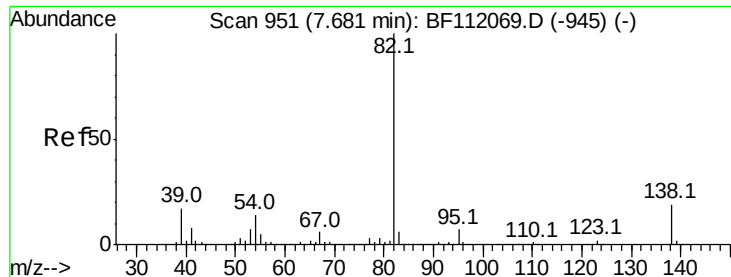


#24
 Nitrobenzene
 Concen: 40.095 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Tgt Ion: 77 Resp: 735522

Ion	Ratio	Lower	Upper
77	100		
123	53.5	38.4	57.6
65	12.9	10.6	15.8





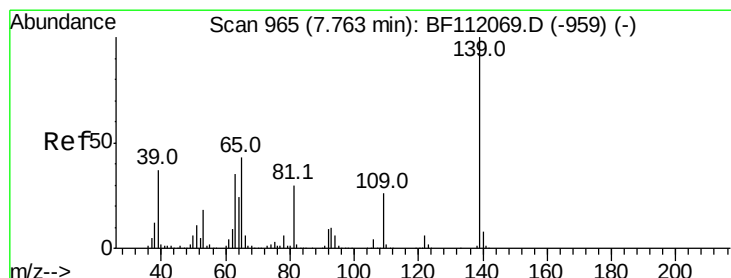
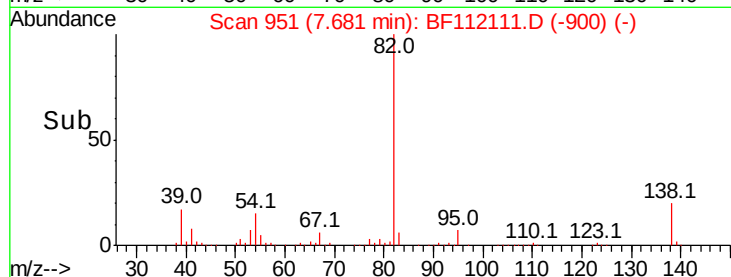
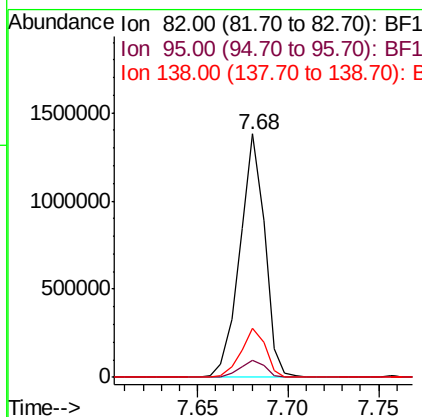
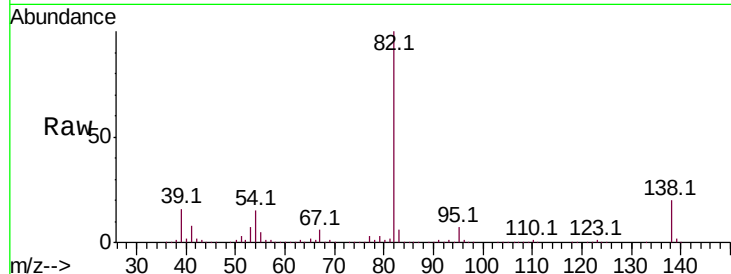
#25
Isophorone
Concen: 39.284 ng
RT: 7.68 min Scan# 951
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	82	Resp	1313375
Ion Ratio	100	Lower	Upper
82	100		
95	7.0	5.7	8.5
138	20.0	15.4	23.0

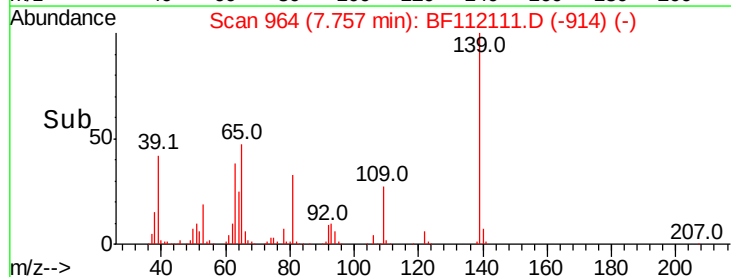
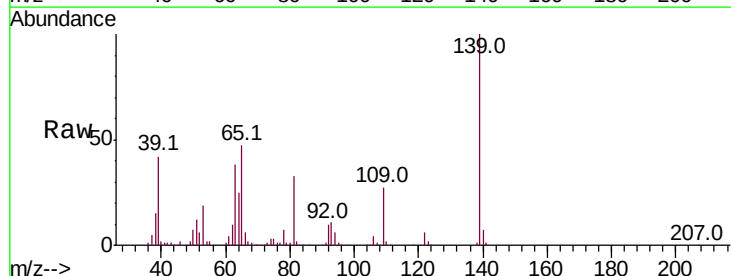
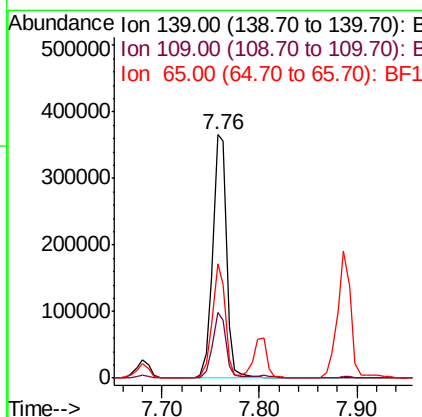
Manual Integrations
APPROVED

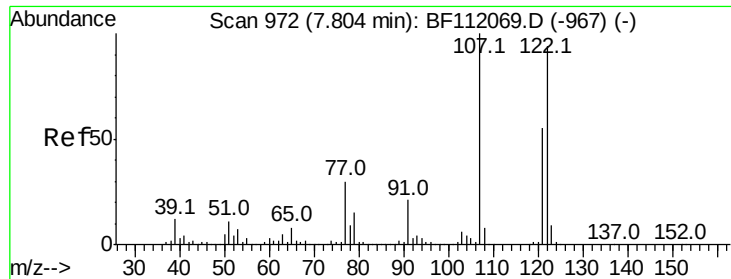
Sohil
1/18/2019 11:46:02 AM



#26
2-Nitrophenol
Concen: 39.721 ng
RT: 7.76 min Scan# 964
Delta R.T. -0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Tgt Ion	139	Resp	363783
Ion Ratio	100	Lower	Upper
139	100		
109	26.8	20.8	31.2
65	46.9	34.4	51.6





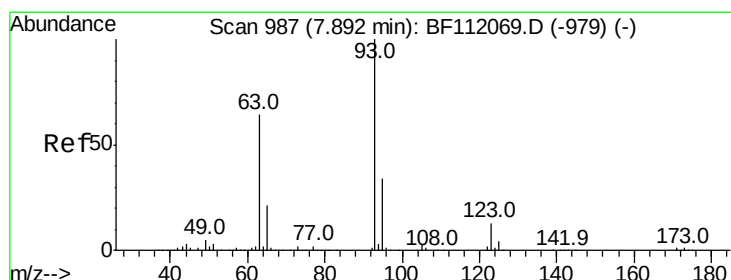
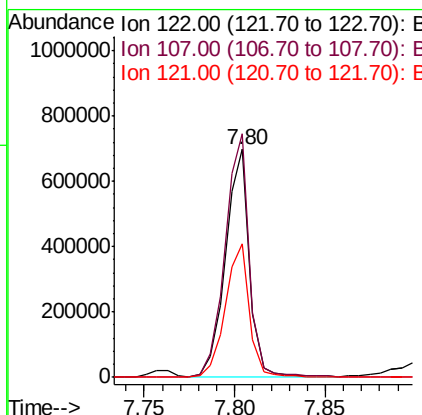
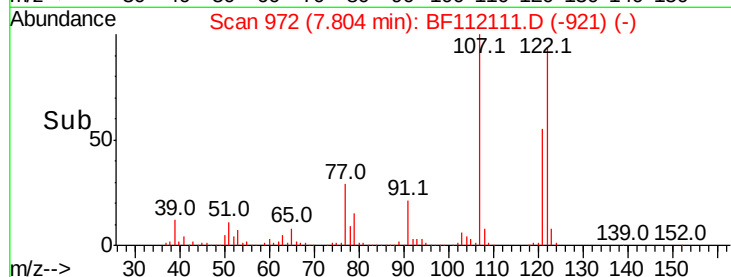
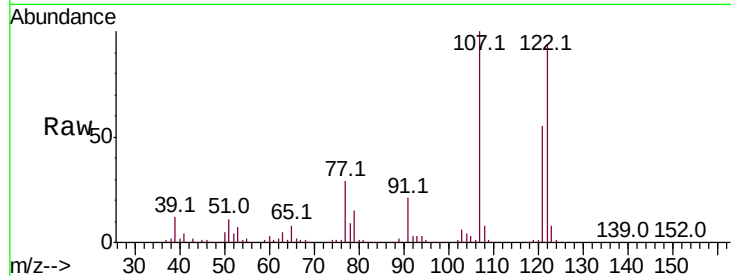
#27
2,4-Dimethylphenol
Concen: 41.352 ng
RT: 7.80 min Scan# 972
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	106.7	85.4	128.0
121	58.3	47.0	70.4

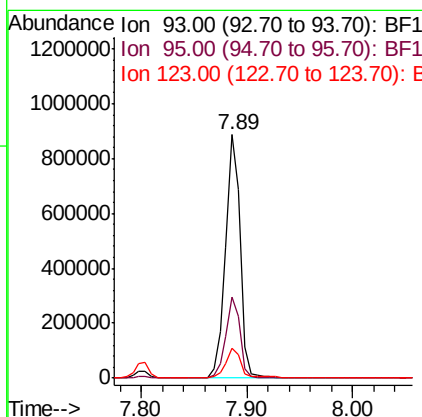
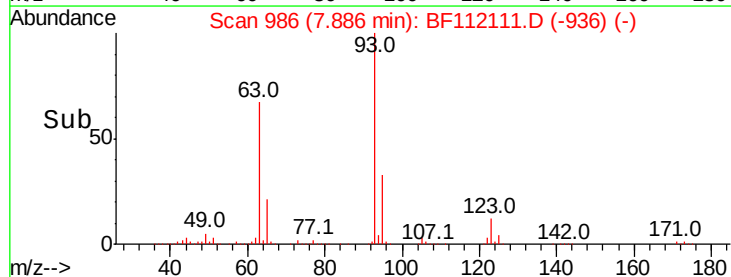
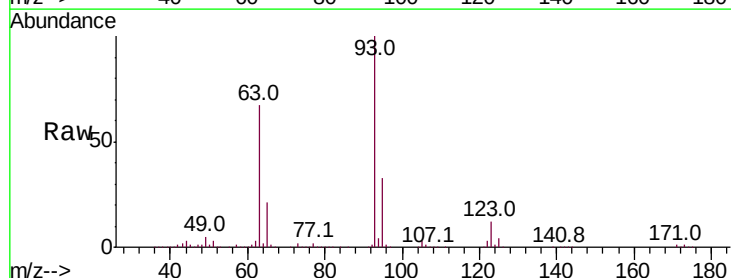
Manual Integrations
APPROVED

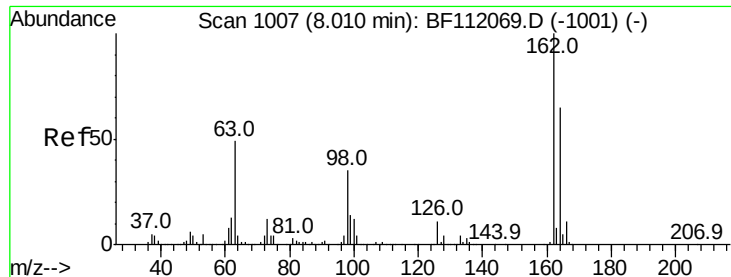
Sohil
1/18/2019 11:46:02 AM



#28
bis(2-Chloroethoxy)methane
Concen: 37.234 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.8	40.2
123	12.5	10.2	15.2





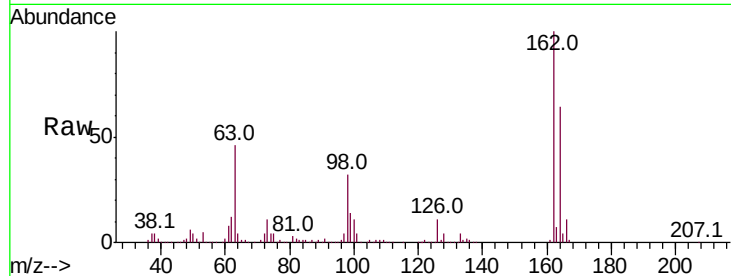
#29
2,4-Dichlorophenol
Concen: 37.403 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	634090		
164	64.1		44.6	84.6
98	32.0		14.6	54.6

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM

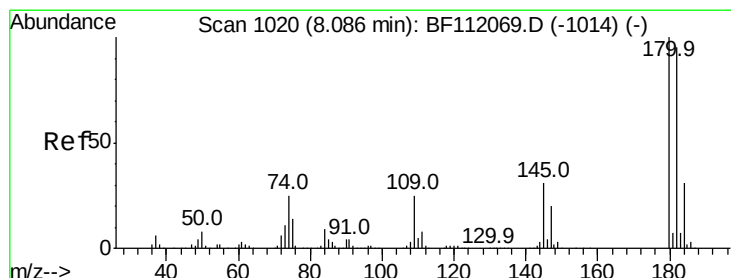
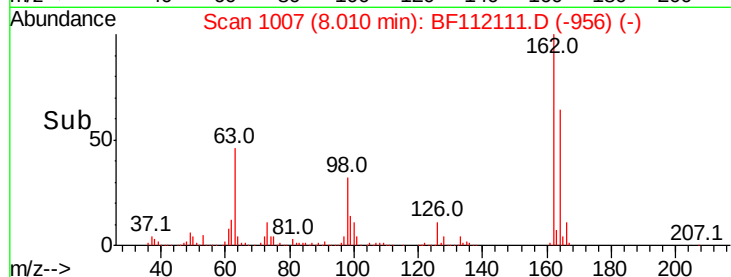
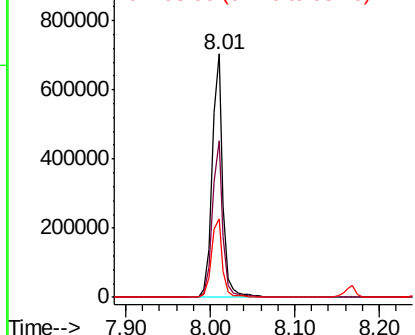


Abundance

Ion 162.00 (161.70 to 162.70): E

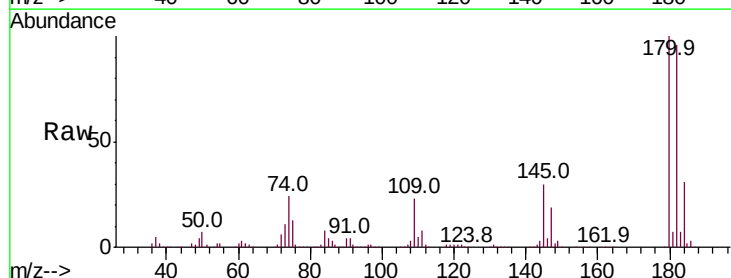
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 35.267 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	693853		
182	95.7		76.4	114.6
145	30.1		25.0	37.4

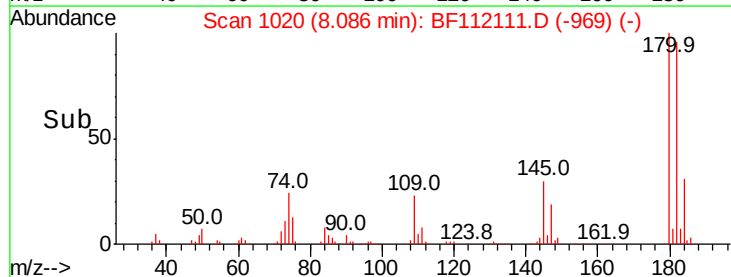
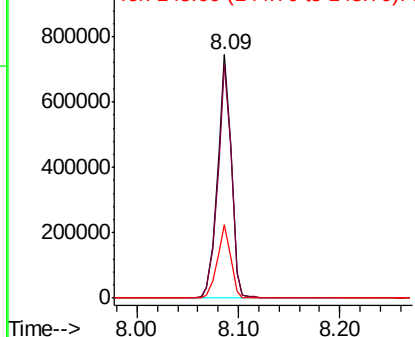


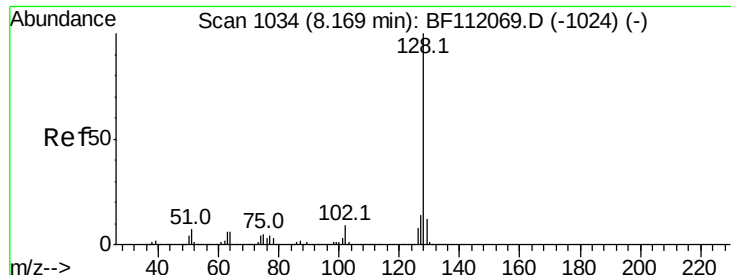
Abundance

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





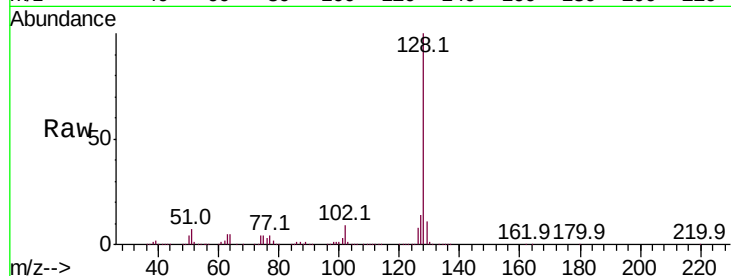
#31
Naphthalene
Concen: 37.724 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.6	14.4
127	13.9	11.1	16.7

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM

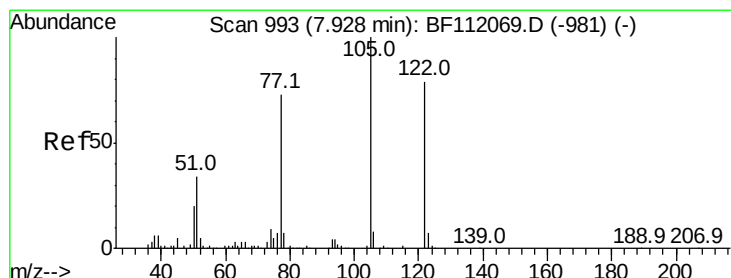
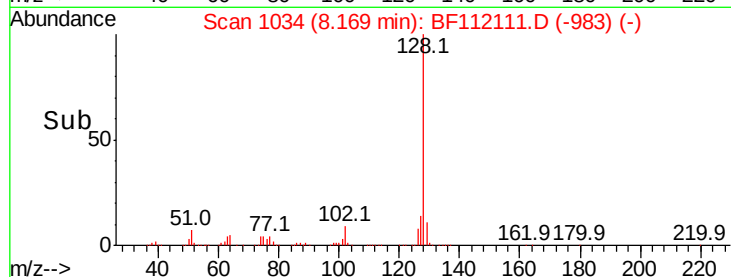
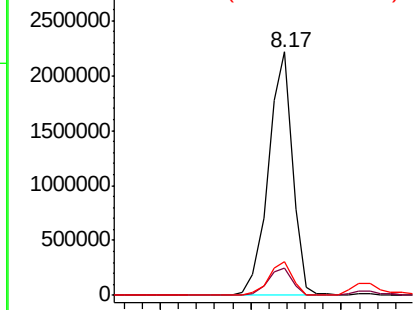


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 34.565 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

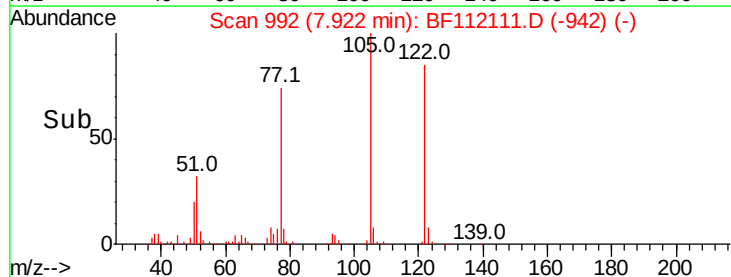
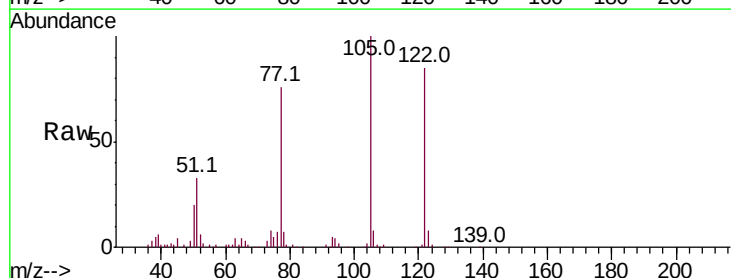
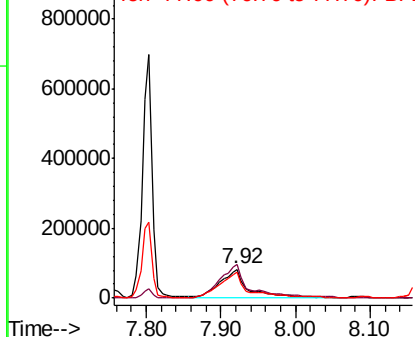
Tgt Ion	Ratio	Lower	Upper
122	100		
105	117.6	101.2	141.2
77	89.5	70.4	110.4

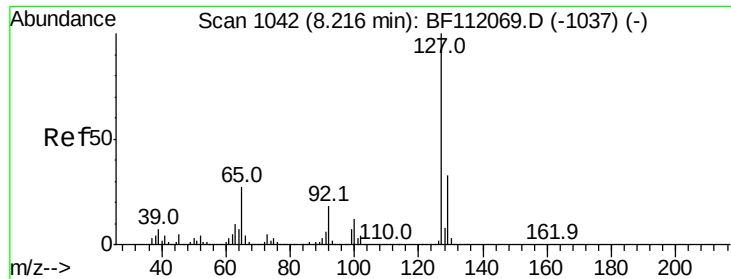
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





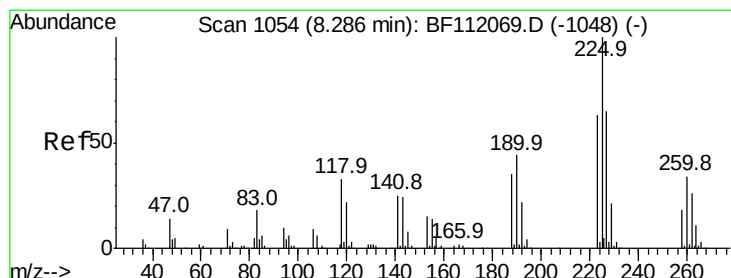
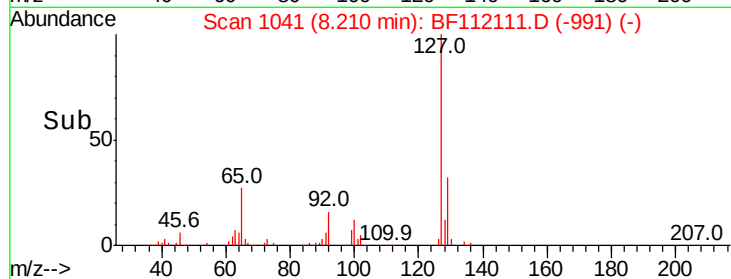
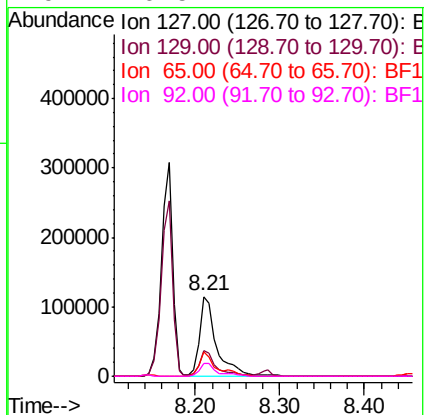
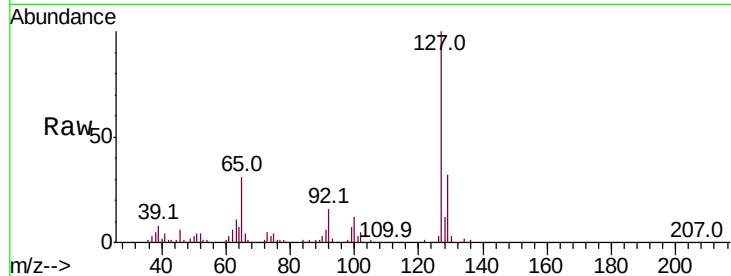
#33
 4-Chloroaniline
 Concen: 6.546 ng
 RT: 8.21 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Instrument :
 BNA_F
 ClientSampleId :
 PB116445BSD

Tot Ion	Ratio	Resp Lower	Upper
127	100		
129	31.8	26.6	39.8
65	30.6	21.4	32.2
92	16.5	14.2	21.2

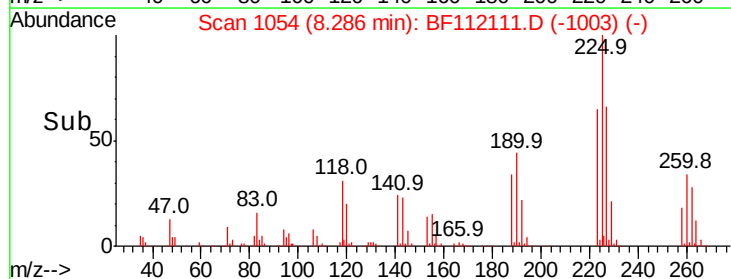
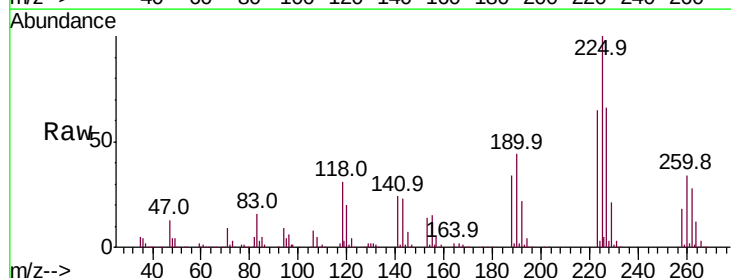
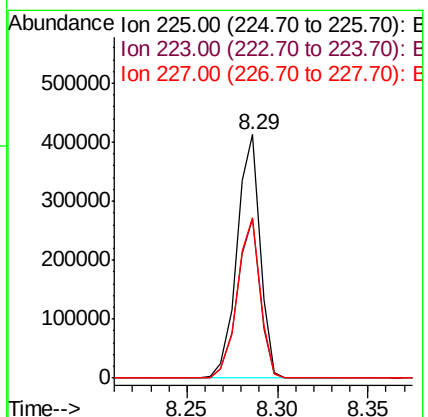
Manual Integrations
 APPROVED

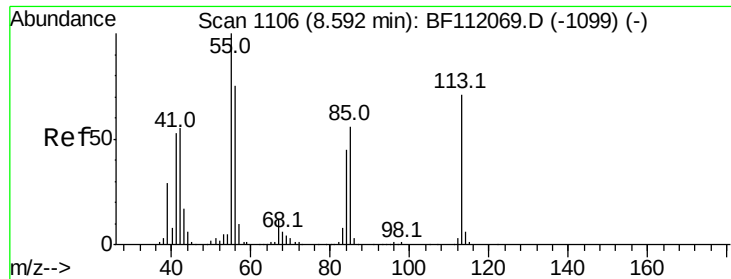
Sohil
 1/18/2019 11:46:02 AM



#34
 Hexachlorobutadiene
 Concen: 33.457 ng
 RT: 8.29 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	65.4	50.3	75.5
227	65.9	51.8	77.8





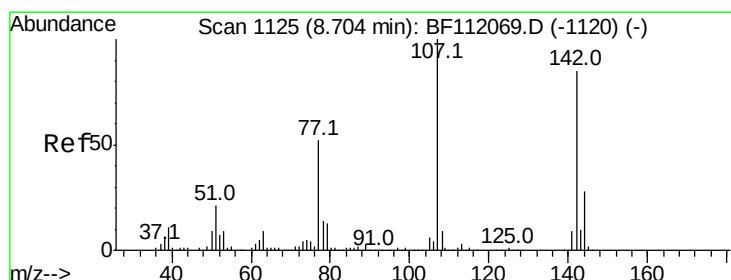
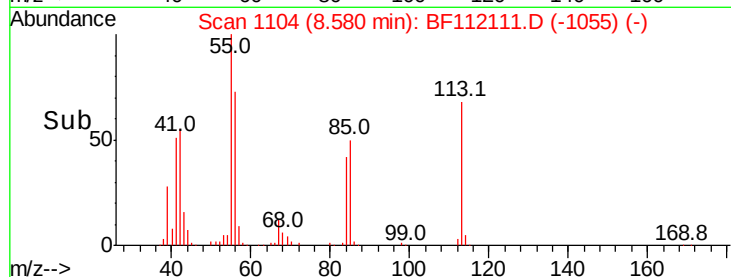
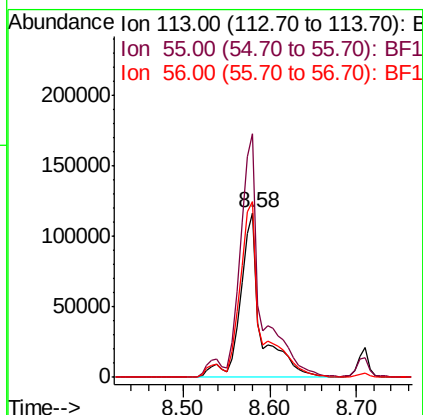
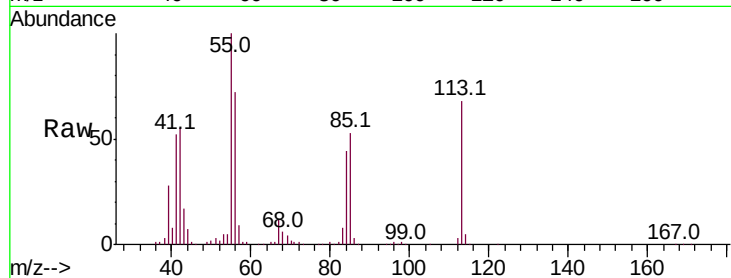
#35
Caprolactam
Concen: 32.737 ng/ml
RT: 8.58 min Scan# 1104
Delta R.T. -0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleID :
PB116445BSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	147.8	121.6	161.6
56	107.0	86.7	126.7

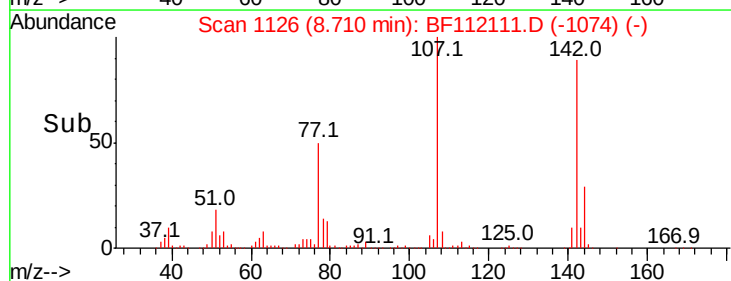
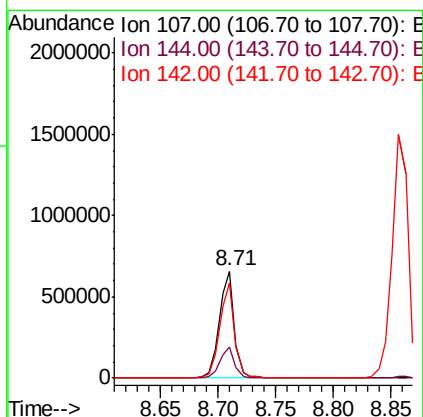
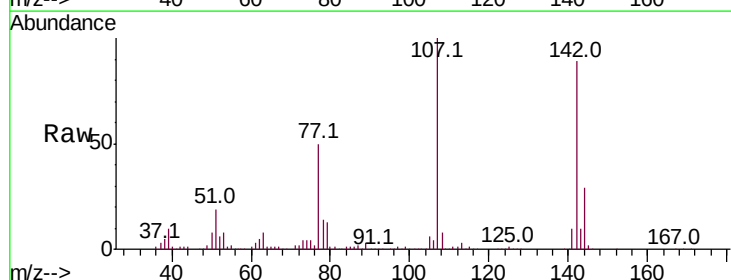
Manual Integrations
APPROVED

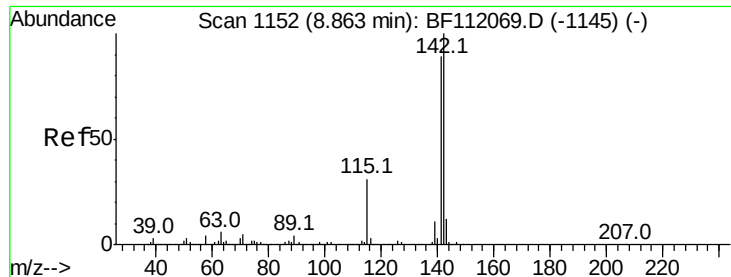
Sohil
1/18/2019 11:46:02 AM



#36
4-Chloro-3-methylphenol
Concen: 36.001 ng
RT: 8.71 min Scan# 1126
Delta R.T. 0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
107	100		
144	28.6	22.2	33.2
142	89.0	67.7	101.5





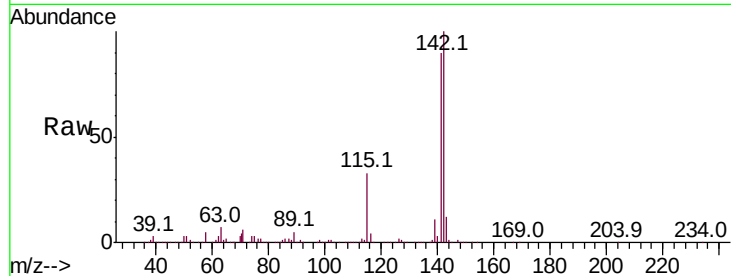
#37
2-Methylnaphthalene
Concen: 38.763 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.9	106.3
115	33.3	24.9	37.3

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM

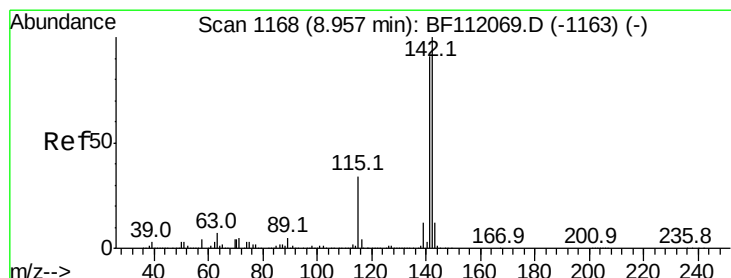
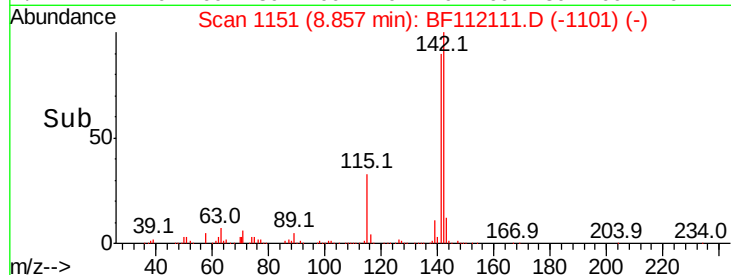
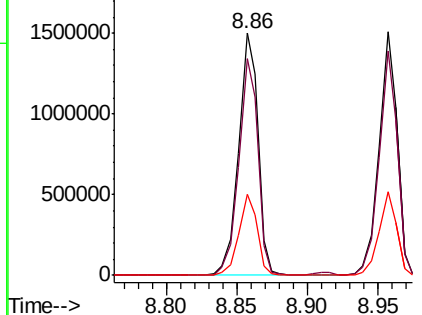


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 37.880 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

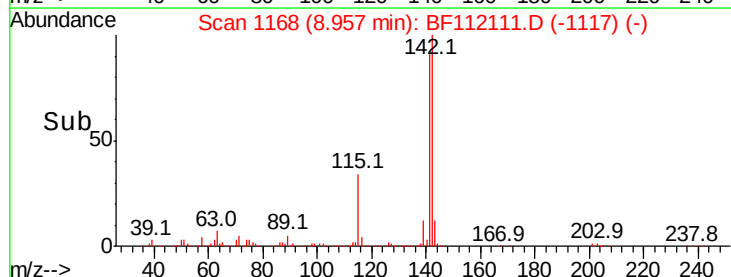
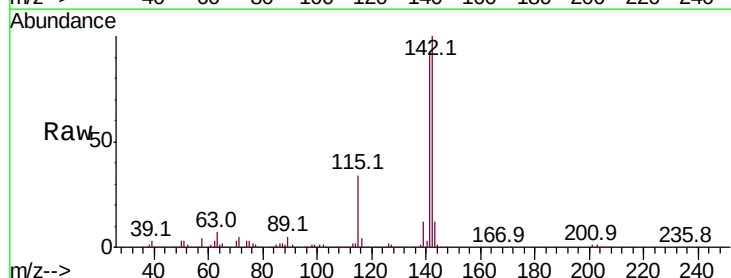
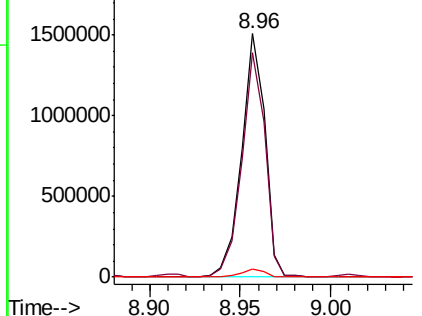
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	72.6	108.8
116	3.6	2.8	4.2

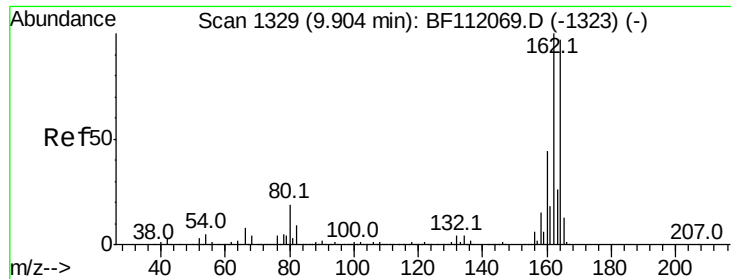
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





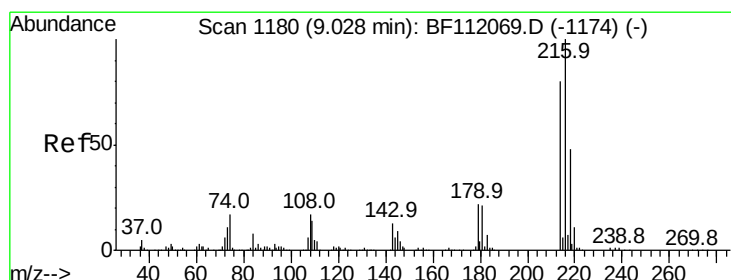
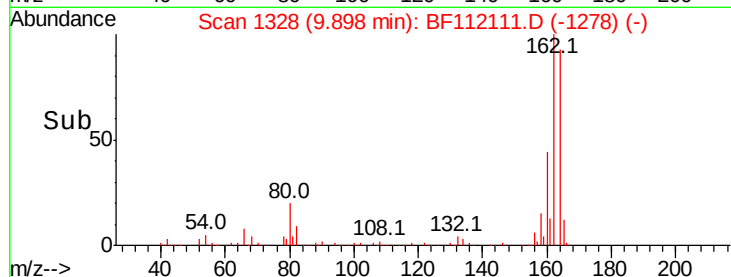
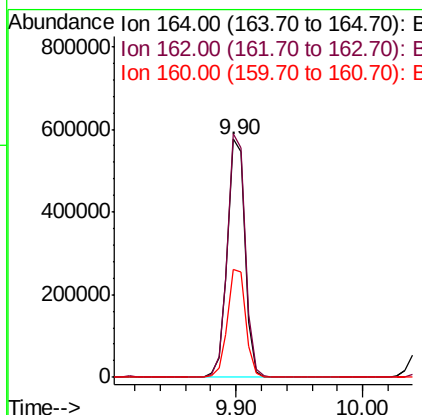
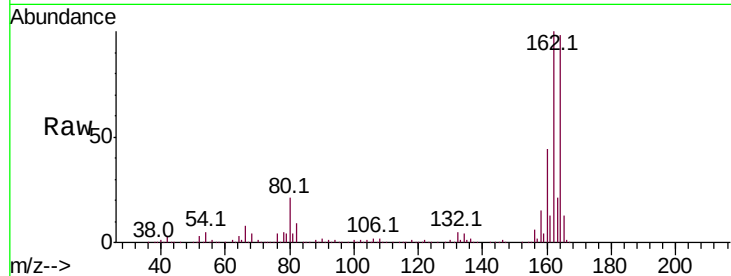
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Instrument :
 BNA_F
 ClientSampleId :
 PB116445BSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.2	82.2	123.4	
160	45.1	36.2	54.4	

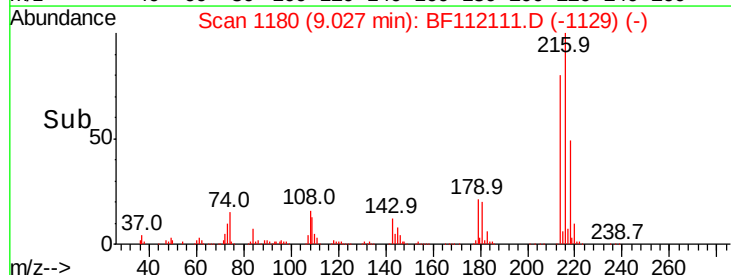
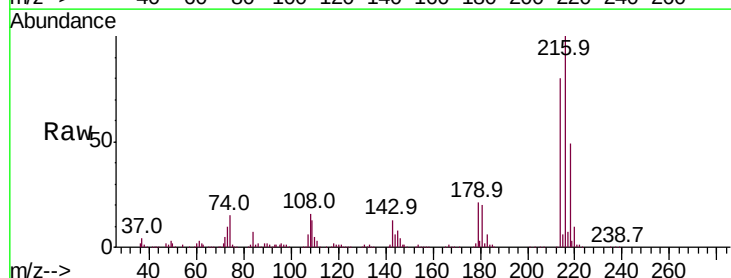
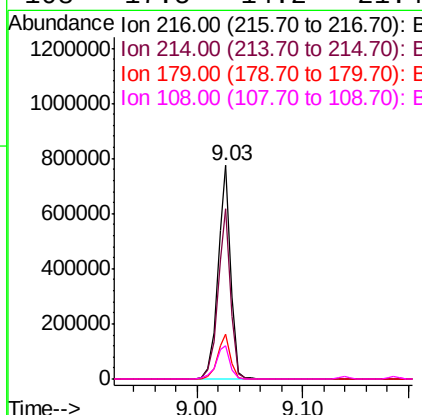
Manual Integrations
 APPROVED

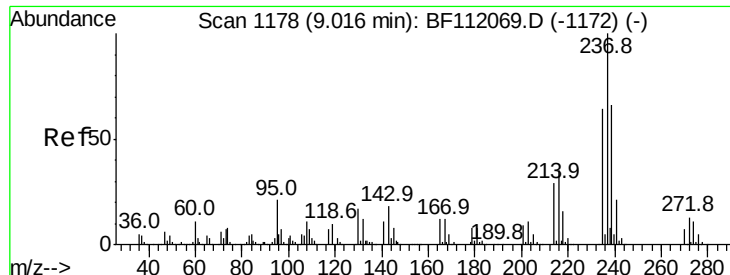
Sohil
 1/18/2019 11:46:02 AM



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 37.029 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.6	63.8	95.6	
179	20.9	16.9	25.3	
108	17.5	14.2	21.4	





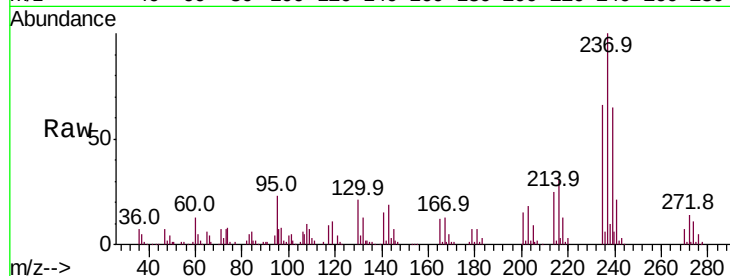
#41
Hexachlorocyclopentadiene
Concen: 22.467 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

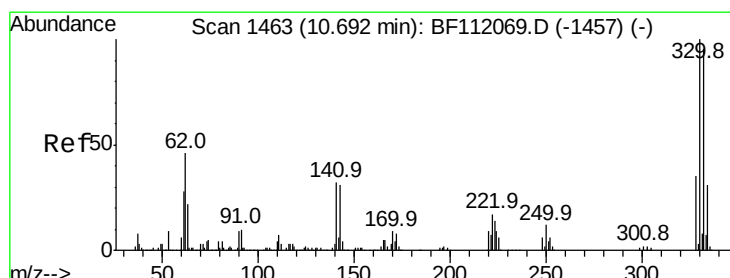
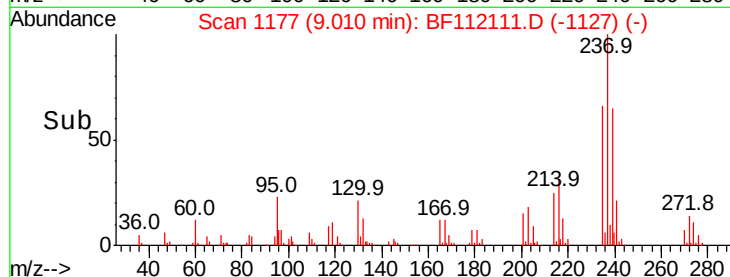
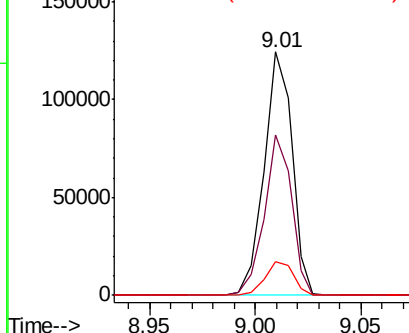
Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	65.8	44.0	84.0
272	13.9	0.0	33.3

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM

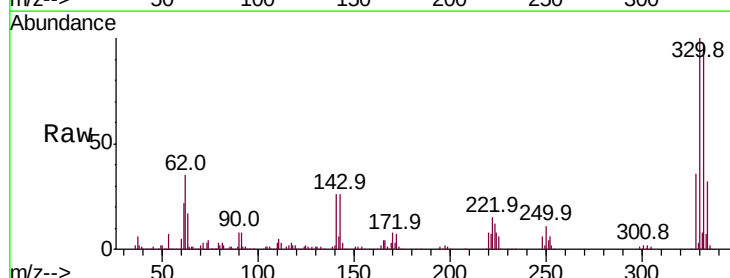


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

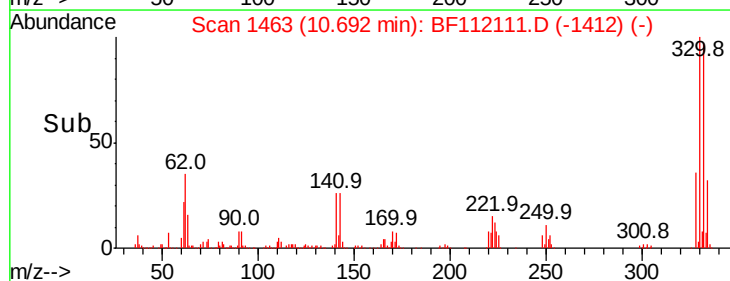
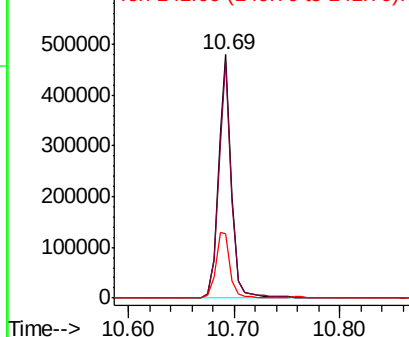


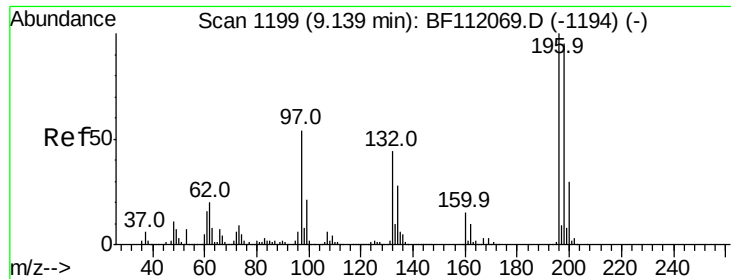
#42
2,4,6-Tribromophenol
Concen: 69.522 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	96.2	76.6	114.8
141	30.1	24.3	36.5



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





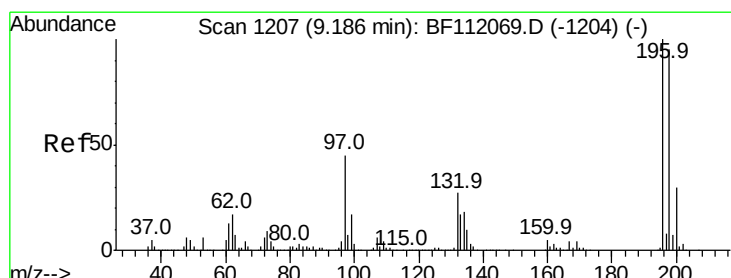
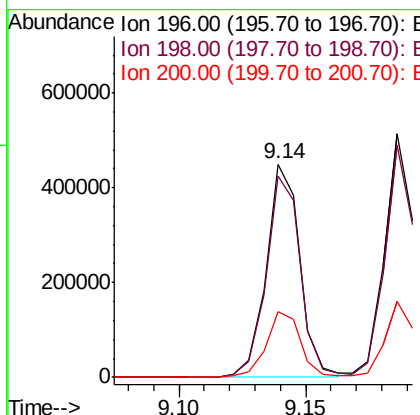
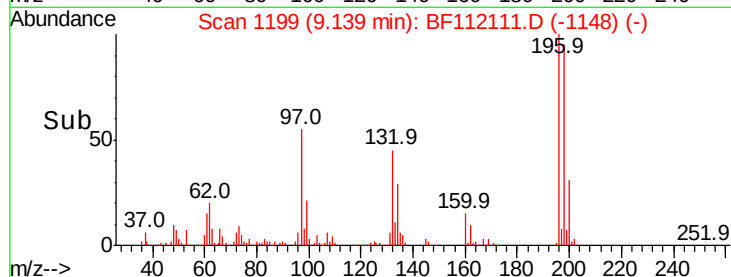
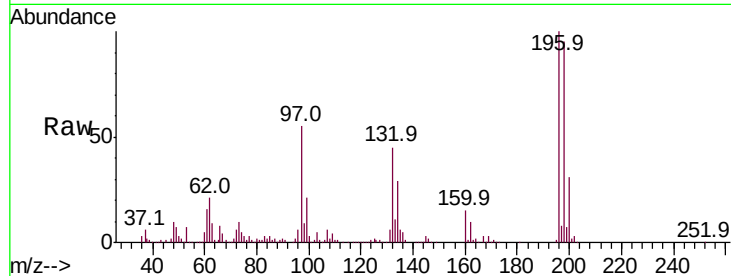
#43
 2,4,6-Trichlorophenol
 Concen: 39.294 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Instrument :
 BNA_F
 ClientSampleId :
 PB116445BSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	418774		
198	94.6	76.2	114.4	
200	30.7	24.3	36.5	

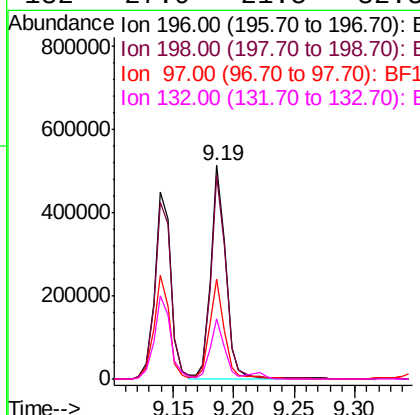
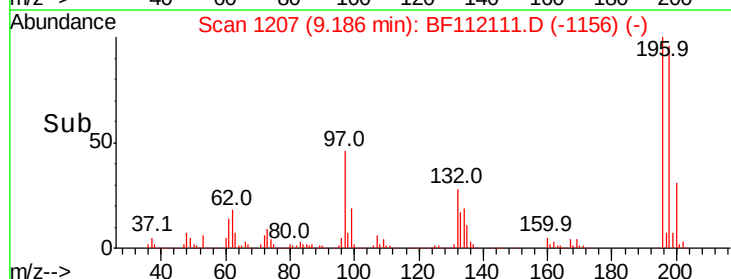
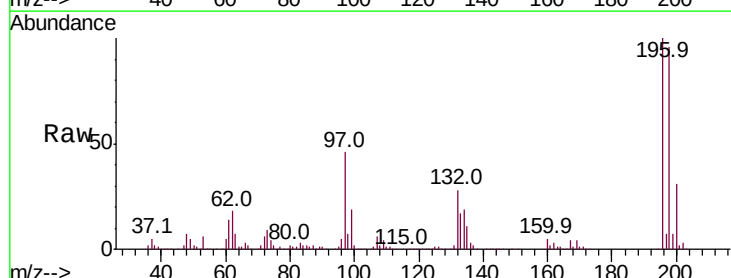
Manual Integrations
 APPROVED

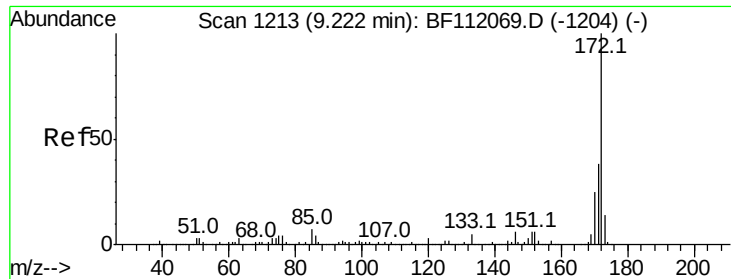
Sohil
 1/18/2019 11:46:02 AM



#44
 2,4,5-Trichlorophenol
 Concen: 38.827 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	440714		
198	95.6	76.0	114.0	
97	46.5	36.4	54.6	
132	27.9	21.5	32.3	





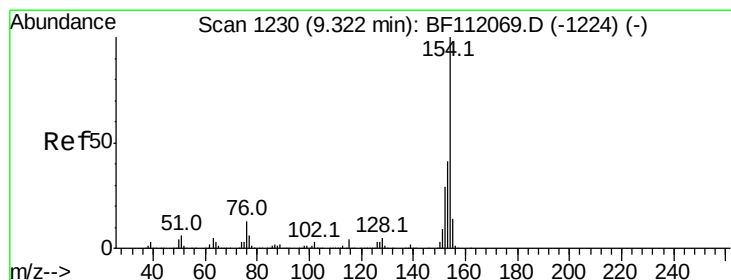
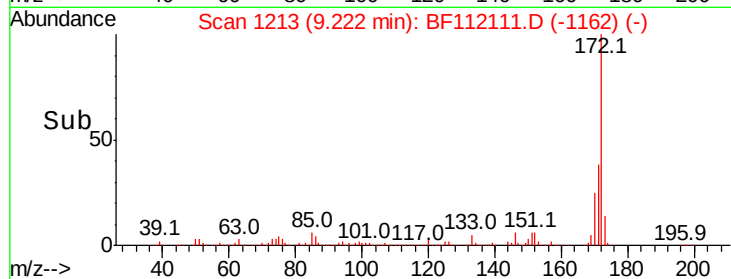
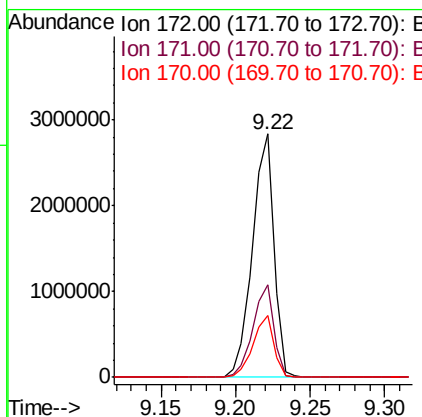
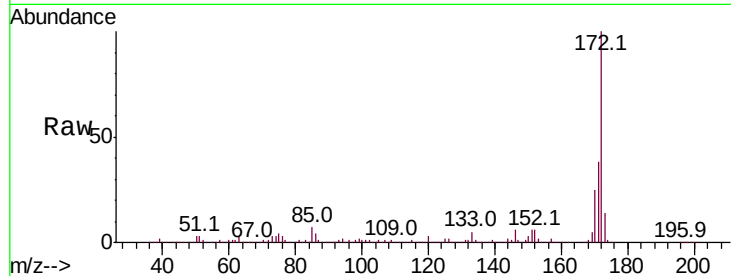
#45
2-Fluorobiphenyl
Concen: 74.321 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.5	45.7
170	25.2	20.2	30.4

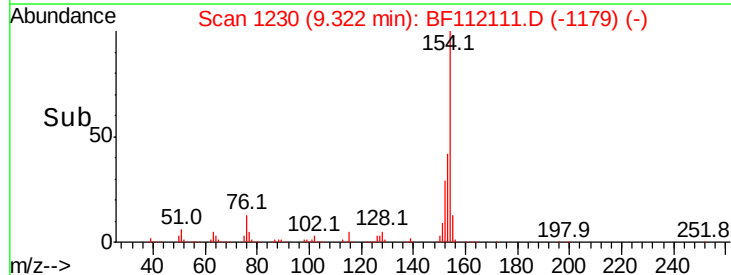
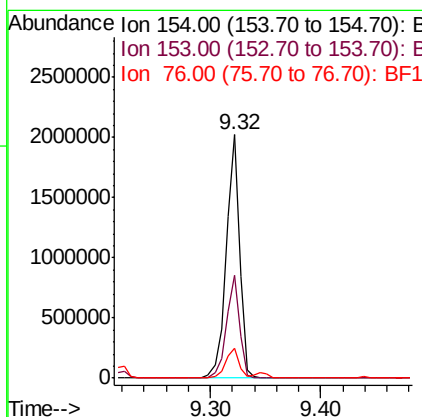
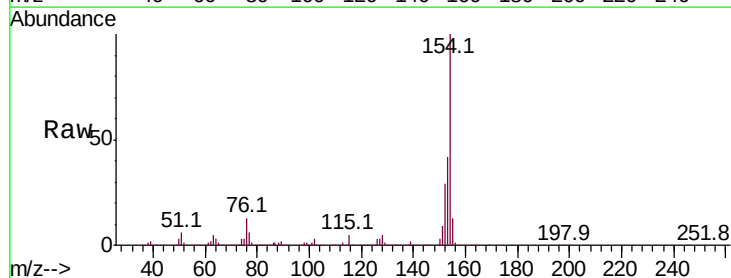
Manual Integrations
APPROVED

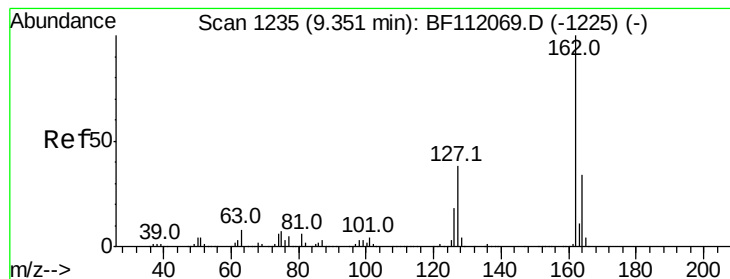
Sohil
1/18/2019 11:46:02 AM



#46
1,1'-Biphenyl
Concen: 36.818 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.2	21.5	61.5
76	12.5	0.0	33.1





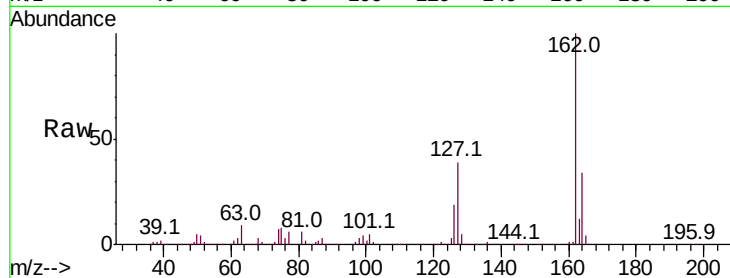
#47
 2-Chloronaphthalene
 Concen: 36.420 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. -0.01 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Instrument :
 BNA_F
 ClientSampleId :
 PB116445BSD

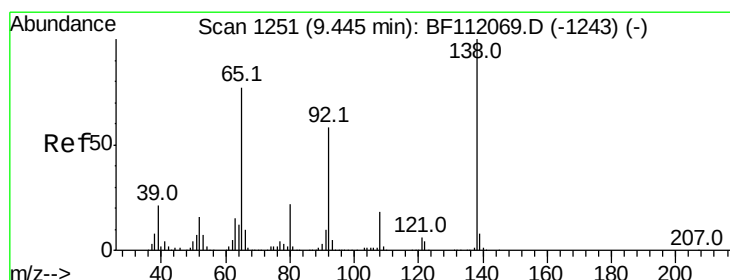
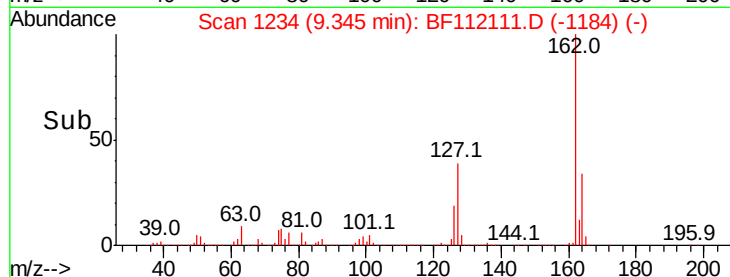
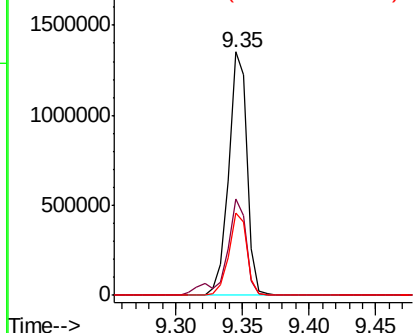
Tot Ion	Ratio	Lower	Upper
162	100		
127	39.3	30.4	45.6
164	33.9	27.4	41.2

Manual Integrations
 APPROVED

Sohil
 1/18/2019 11:46:02 AM

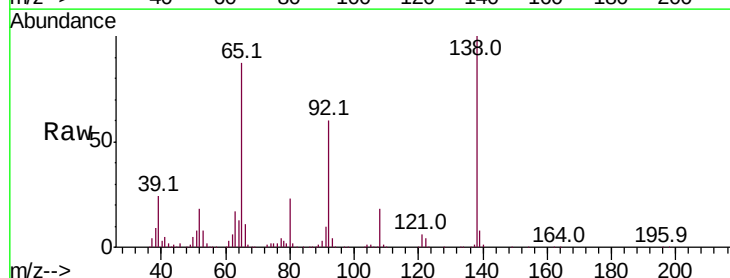


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

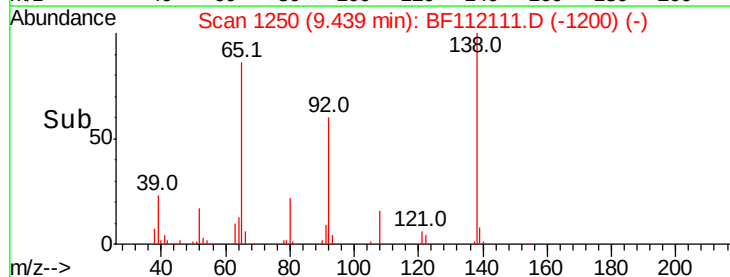
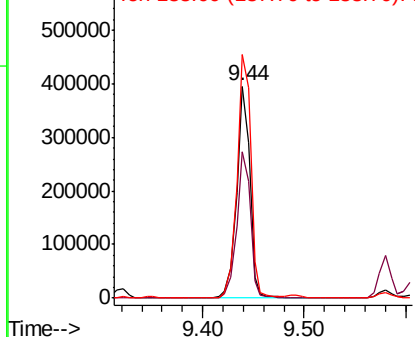


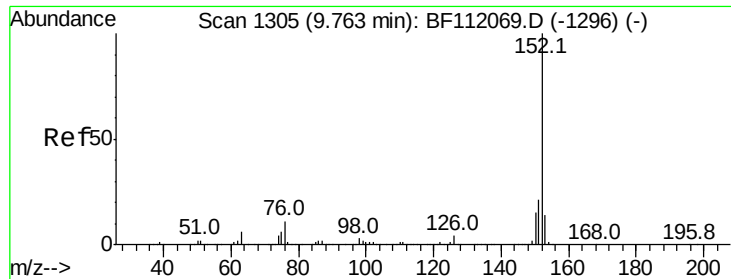
#48
 2-Nitroaniline
 Concen: 44.040 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.3	60.4	90.6
138	114.8	104.4	156.6



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: 37.799 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Instrument :

BNA_F

ClientSampleId :

PB116445BSD

Tot Ion:152 Resp: 2003015

Ion Ratio Lower Upper

152 100

151 21.5 17.0 25.6

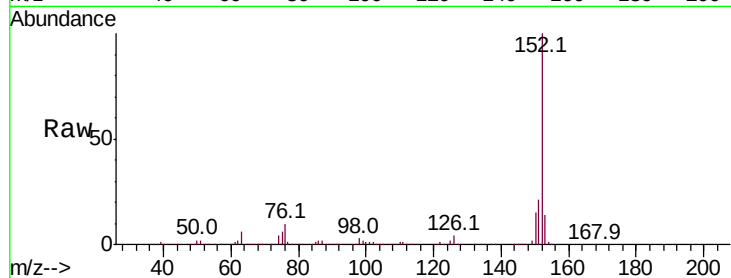
153 14.0 11.2 16.8

Manual Integrations

APPROVED

Sohil

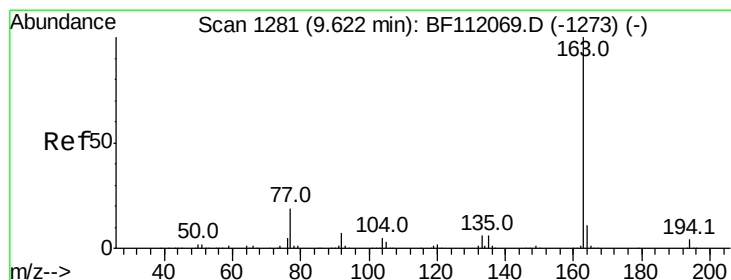
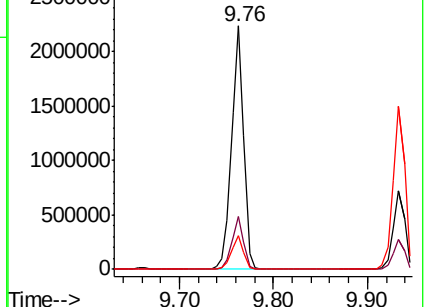
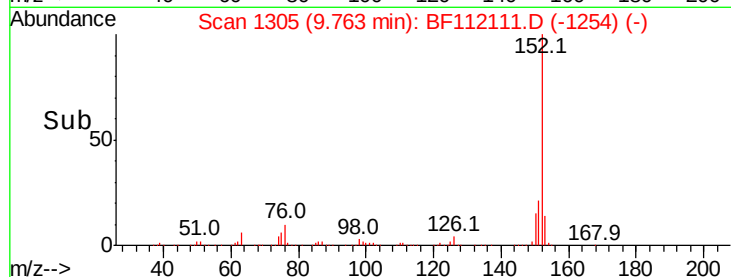
1/18/2019 11:46:02 AM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 38.327 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

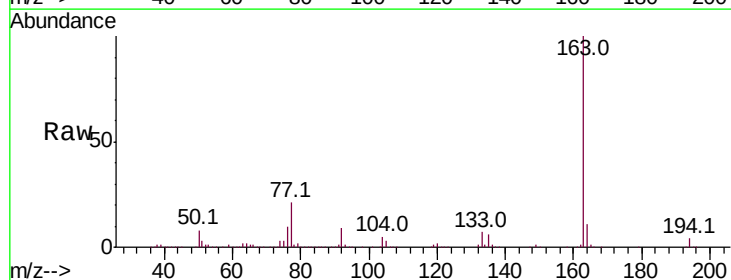
Tgt Ion:163 Resp: 1550723

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

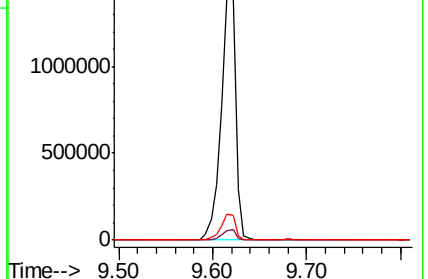
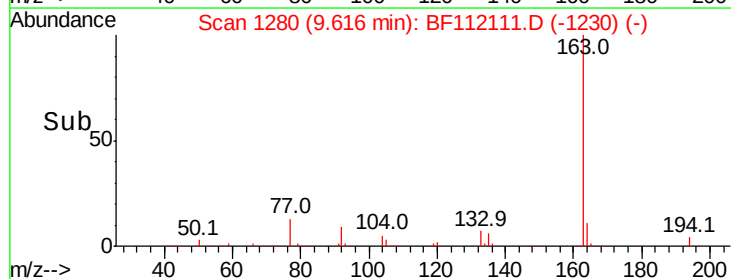
164 10.9 8.5 12.7

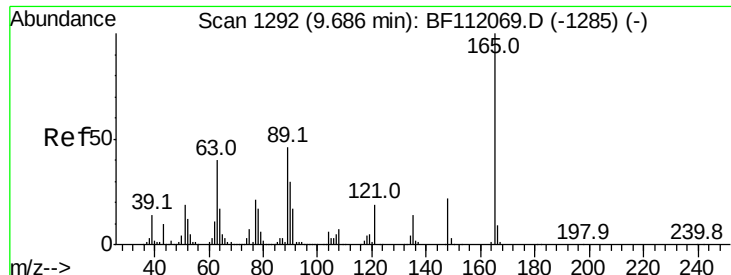


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





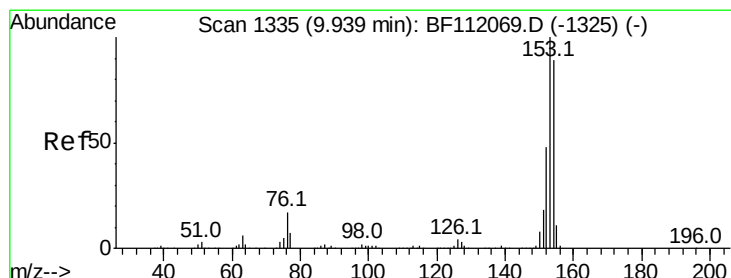
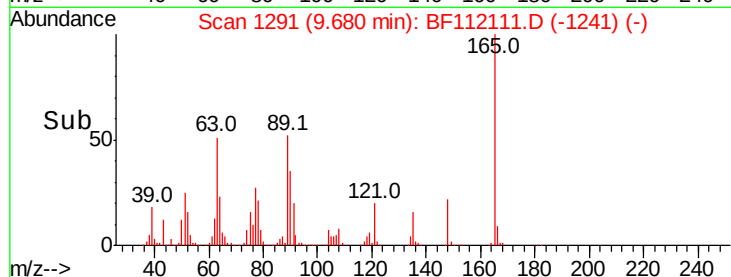
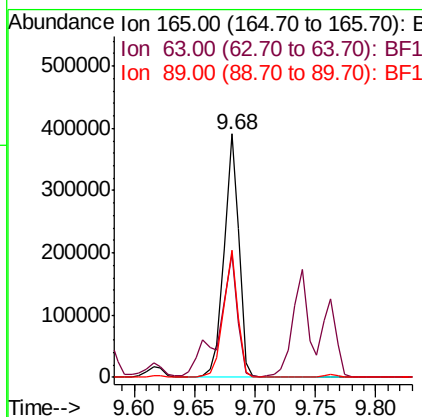
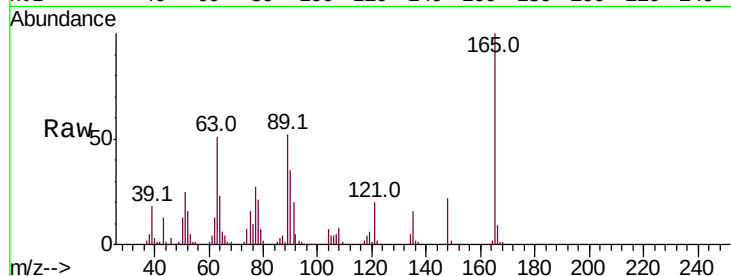
#51
 2,6-Dinitrotoluene
 Concen: 41.051 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Instrument :
 BNA_F
 ClientSampled :
 PB116445BSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	331694		
63	50.8	33.8	50.8#	
89	52.1	36.9	55.3	

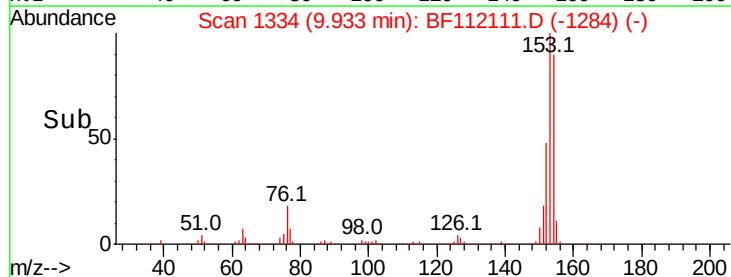
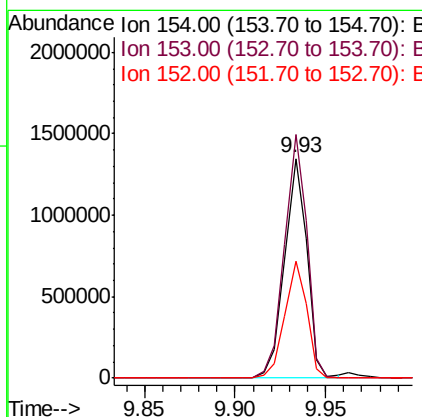
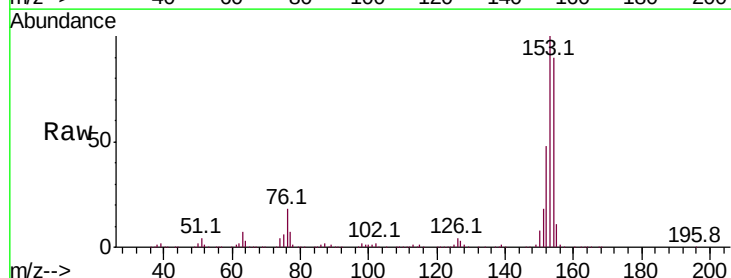
Manual Integrations
 APPROVED

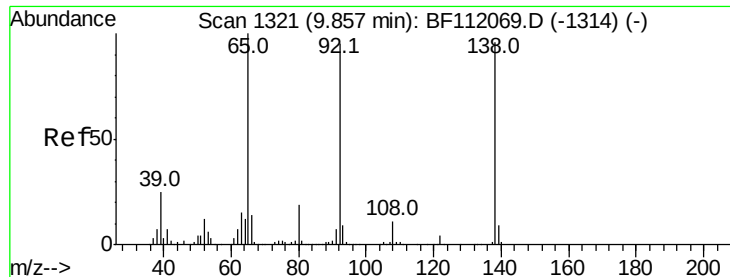
Sohil
 1/18/2019 11:46:02 AM



#52
 Acenaphthene
 Concen: 35.824 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1161500		
153	110.9	89.8	134.6	
152	53.5	43.5	65.3	





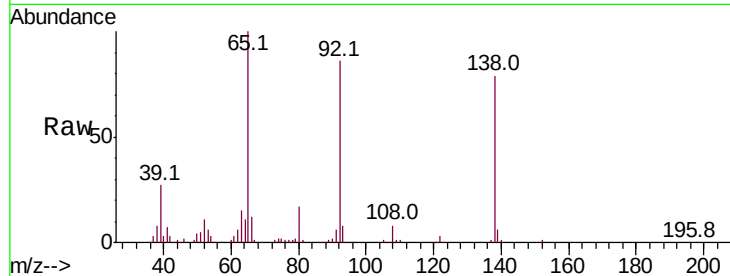
#53
3-Nitroaniline
Concen: 14.641 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100			
108	10.3	9.8	14.6	
92	109.2	79.4	119.2	

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM

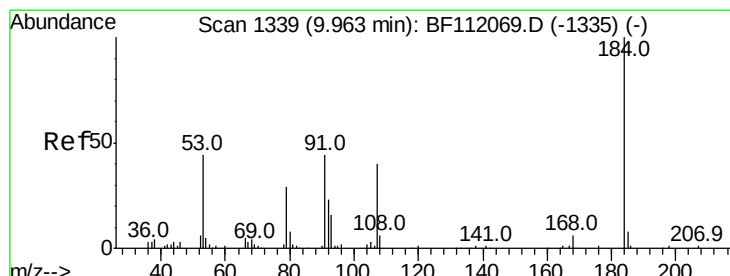
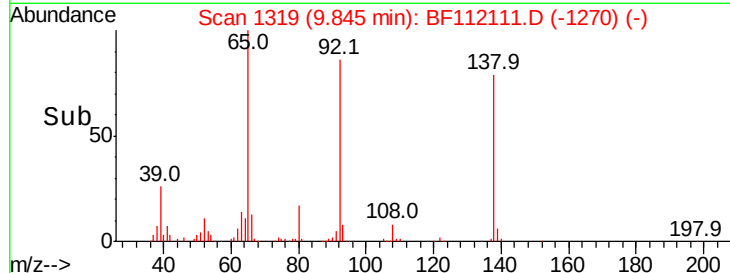
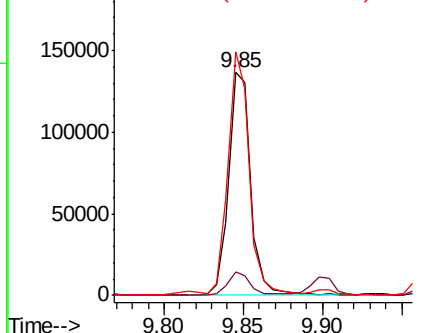


Abundance

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: 31.076 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

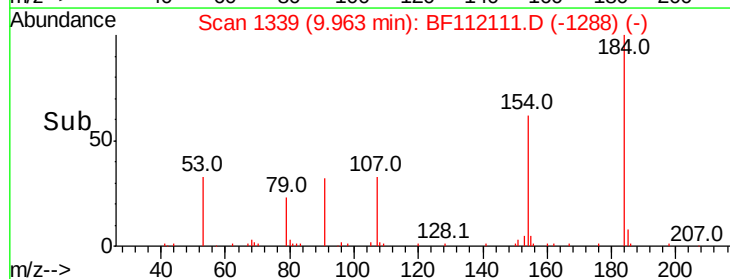
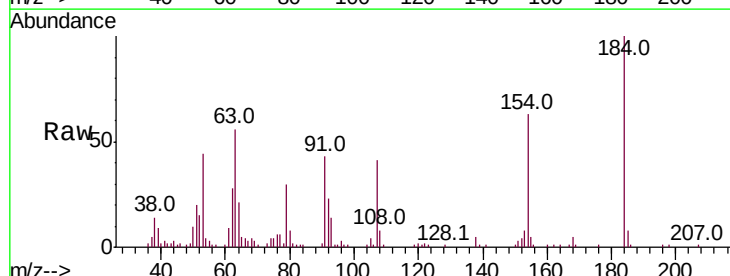
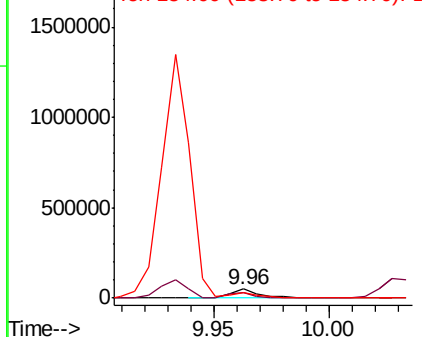
Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
63	55.7	47.1	70.7	
154	63.1	48.9	73.3	

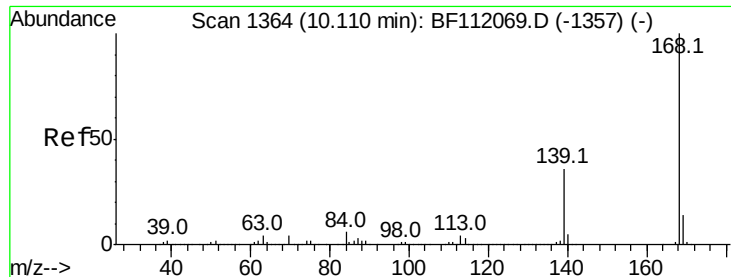
Abundance

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: 35.605 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Instrument :

BNA_F

ClientSampled :

PB116445BSD

Tot Ion:168 Resp: 1745757

Ion Ratio Lower Upper

168 100

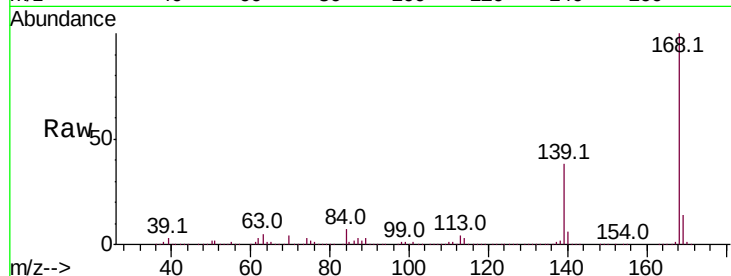
139 38.2 29.2 43.8

169 14.5 11.4 17.0

Manual Integrations
APPROVED

Sohil

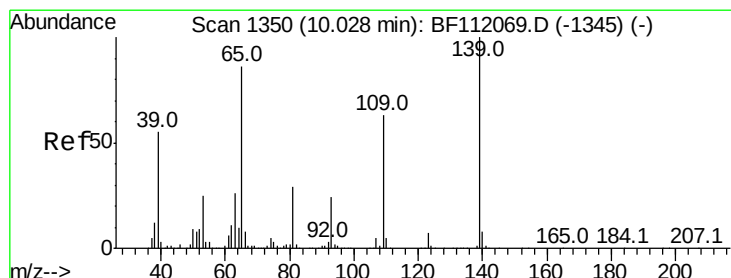
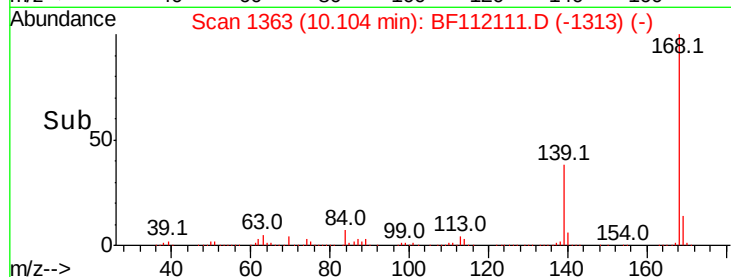
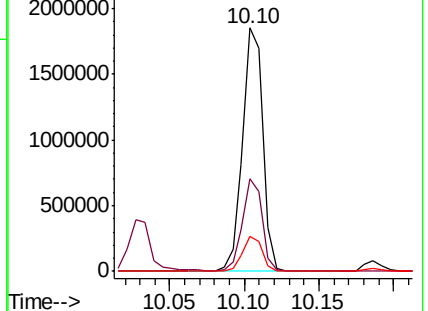
1/18/2019 11:46:02 AM



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 63.717 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.00 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

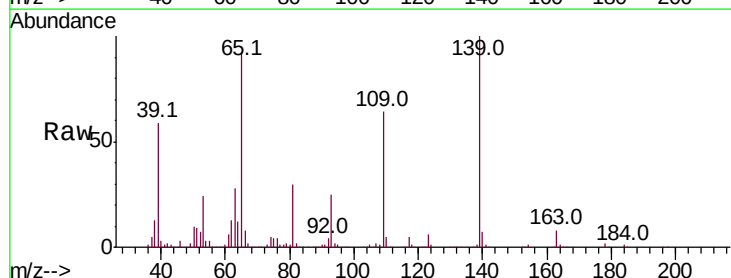
Tgt Ion:139 Resp: 403482

Ion Ratio Lower Upper

139 100

109 64.2 42.8 82.8

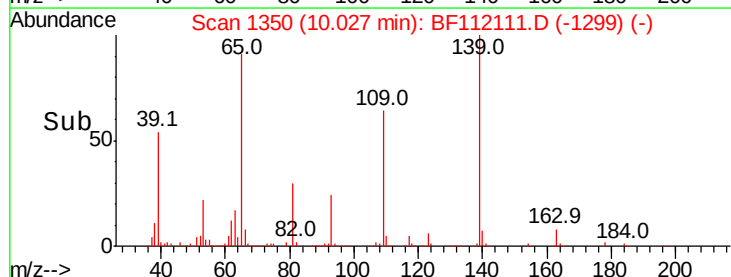
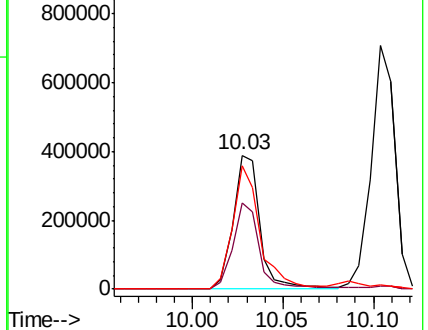
65 92.0 66.1 106.1

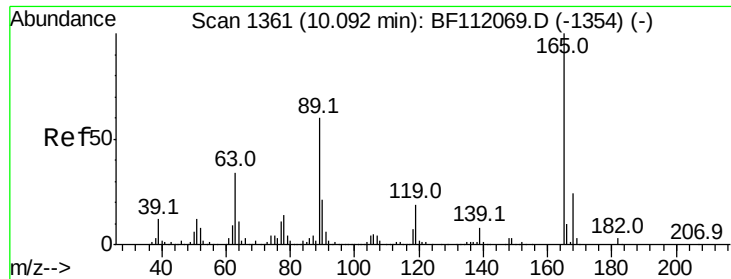


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





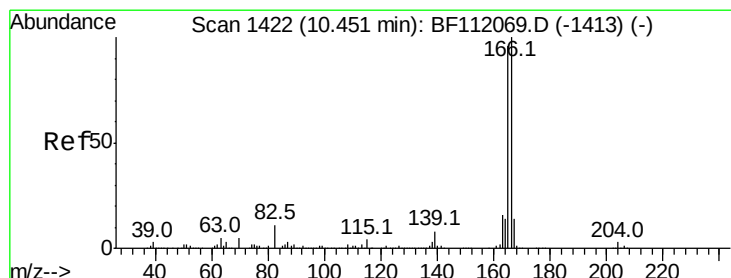
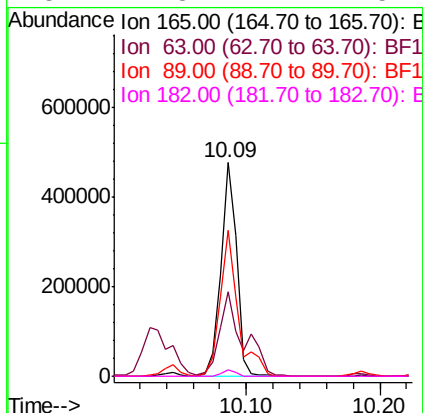
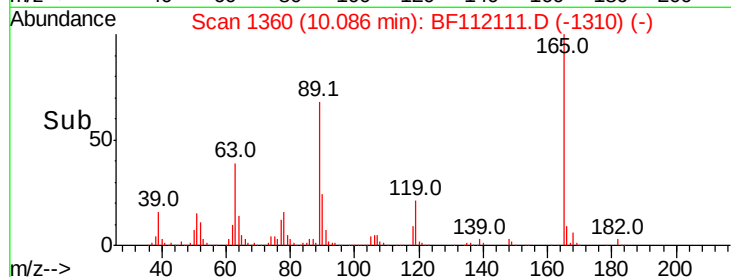
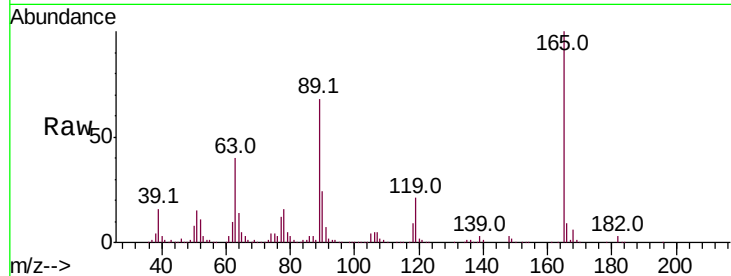
#57
 2,4-Dinitrotoluene
 Concen: 39.410 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Instrument :
 BNA_F
 ClientSampleId :
 PB116445BSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	399368		
63	39.6	27.9	41.9	
89	68.0	47.9	71.9	
182	2.8	2.2	3.4	

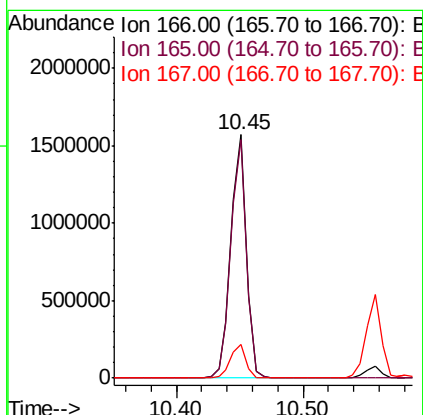
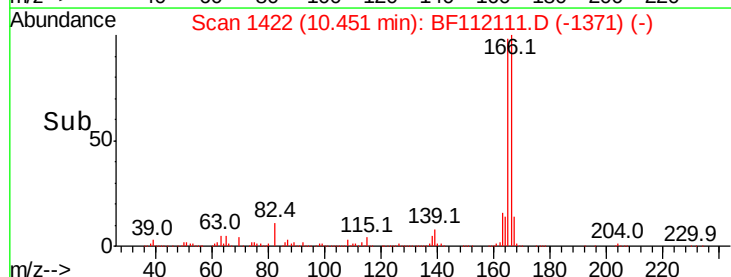
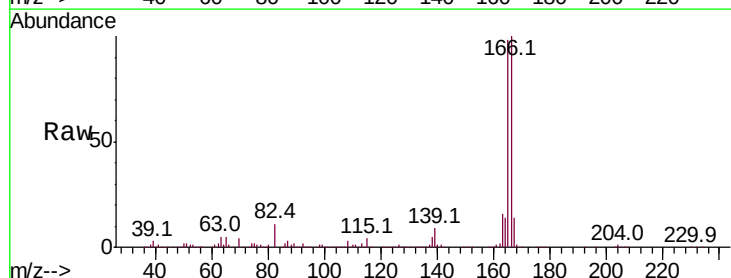
Manual Integrations
 APPROVED

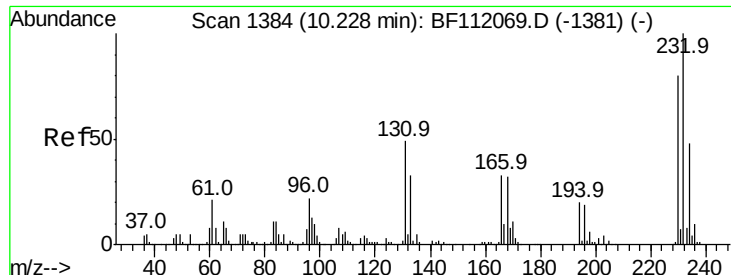
Sohil
 1/18/2019 11:46:02 AM



#58
 Fluorene
 Concen: 36.101 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.00 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1322509		
165	98.1	77.1	115.7	
167	13.7	11.3	16.9	





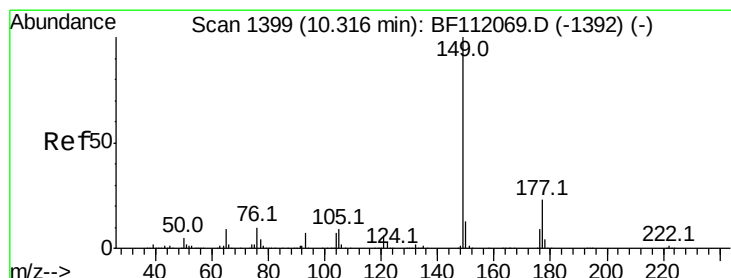
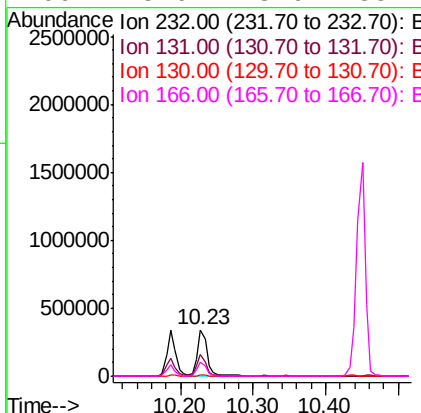
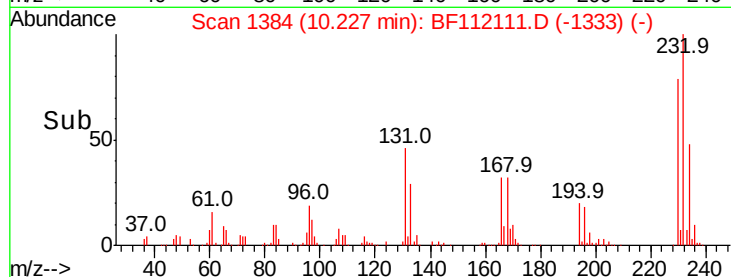
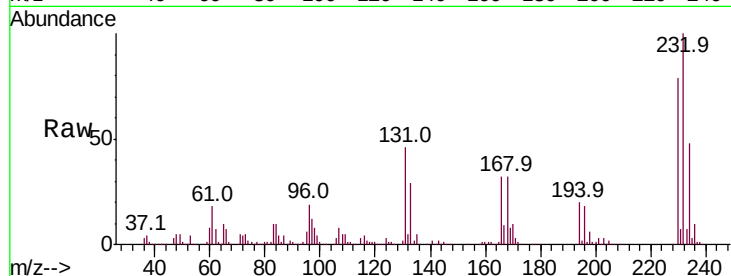
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 38.497 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Instrument :
 BNA_F
 ClientSampleId :
 PB116445BSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	329740		
131	41.5		33.9	50.9
130	2.2		1.8	2.6
166	28.6		23.6	35.4

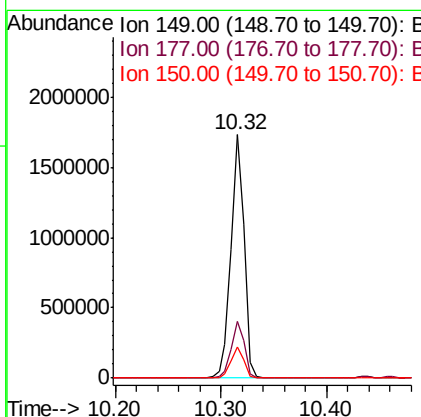
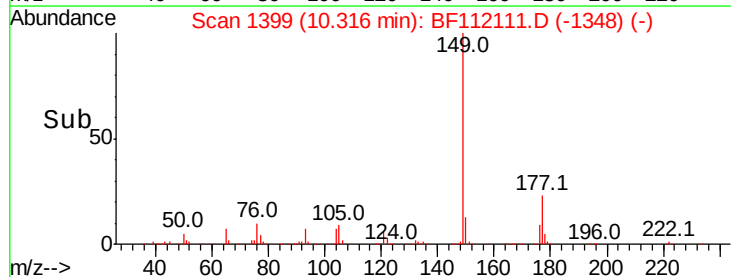
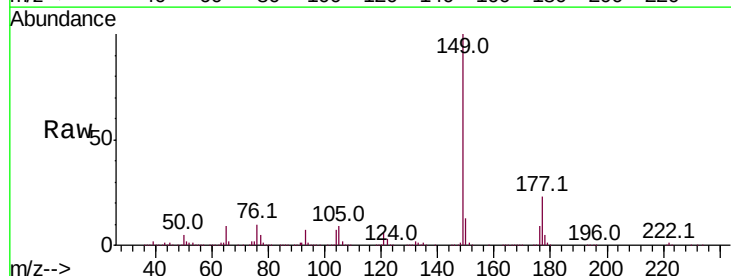
Manual Integrations
 APPROVED

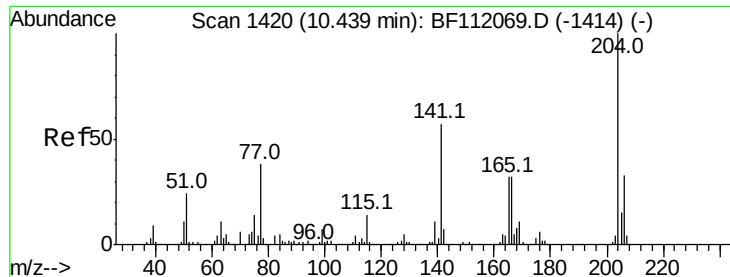
Sohil
 1/18/2019 11:46:02 AM



#60
 Diethylphthalate
 Concen: 37.250 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. -0.00 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1471198		
177	23.1		18.2	27.2
150	13.0		10.4	15.6





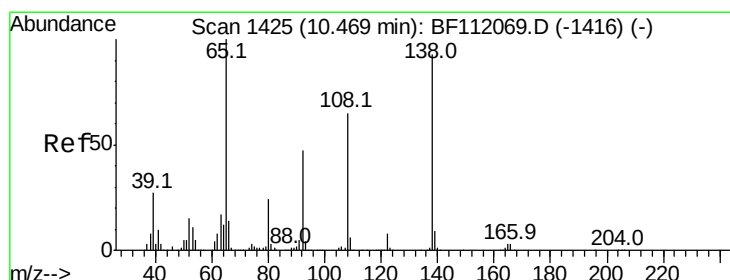
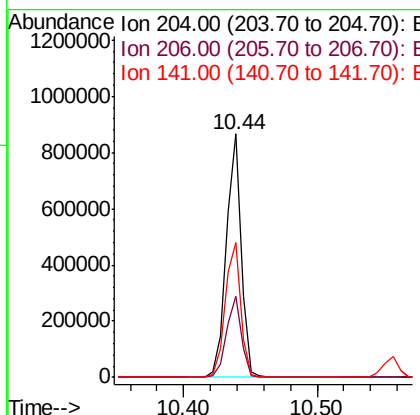
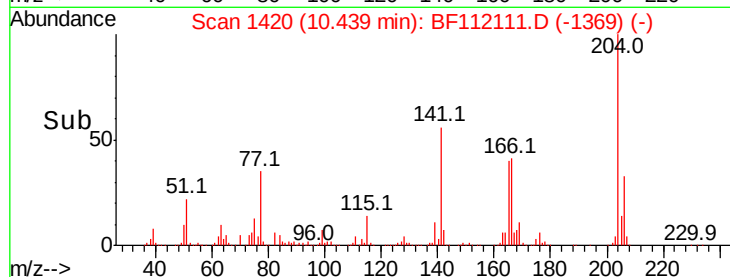
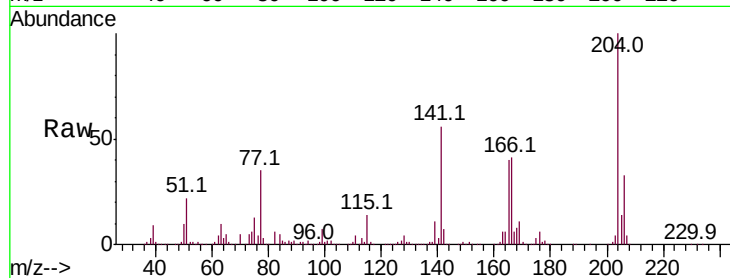
#61
4-Chlorophenyl-phenylether
Concen: 34.645 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	55.6	45.9	68.9

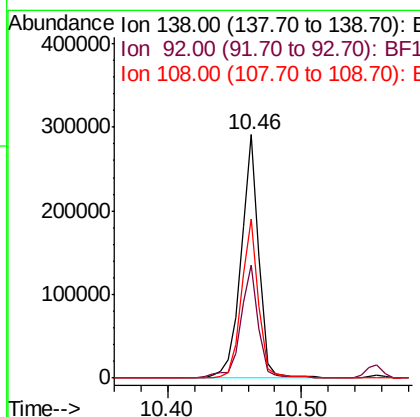
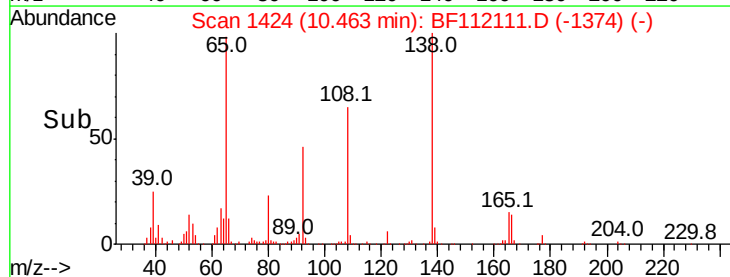
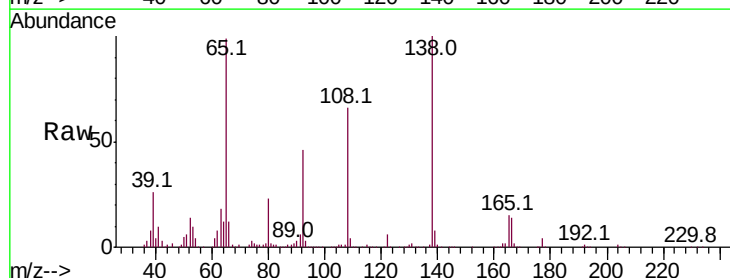
Manual Integrations
APPROVED

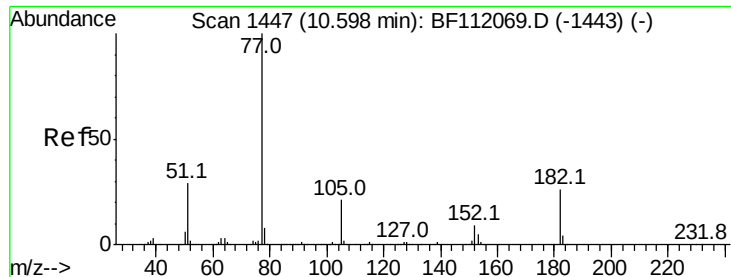
Sohil
1/18/2019 11:46:02 AM



#62
4-Nitroaniline
Concen: 29.948 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.4	30.6	70.6
108	65.5	50.0	90.0





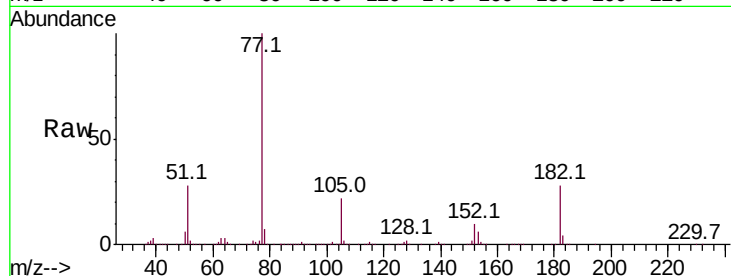
#63
Azobenzene
Concen: 33.503 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	28.2	5.7	45.7
105	22.3	1.4	41.4
51	28.2	9.5	49.5

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM



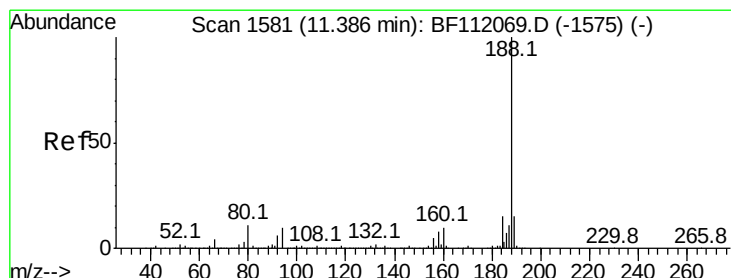
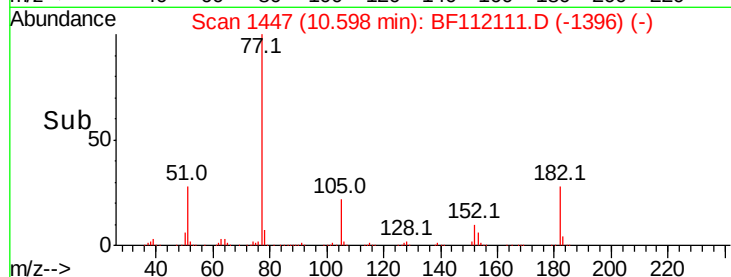
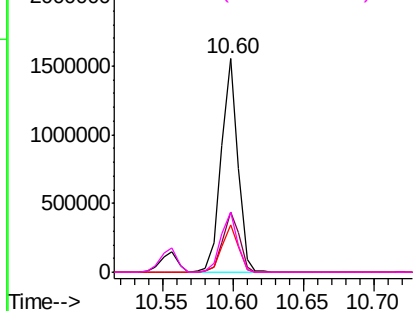
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

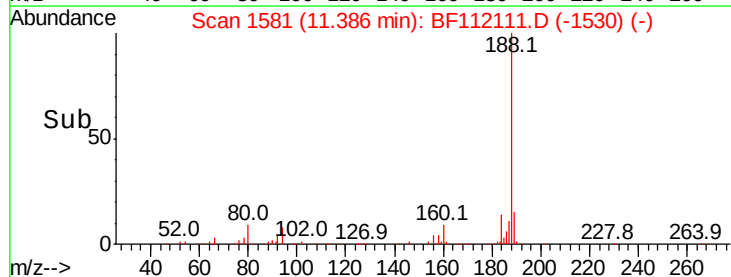
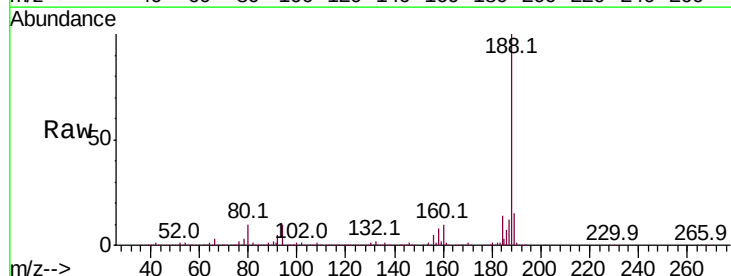
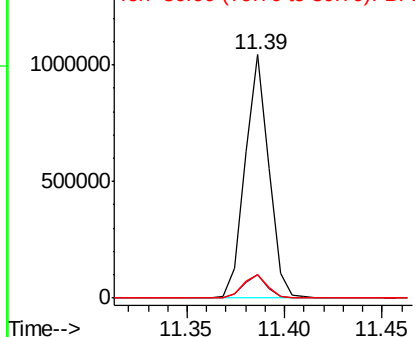
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.2	12.2
80	9.8	8.9	13.3

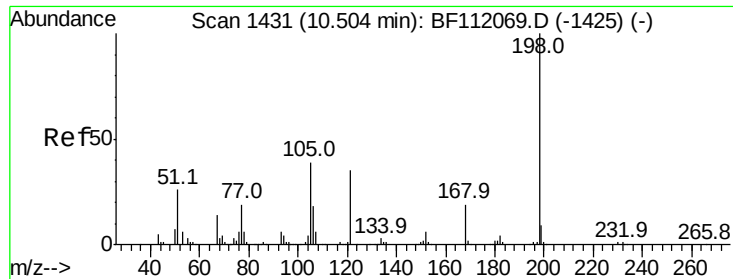
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 21.147 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Instrument :

BNA_F

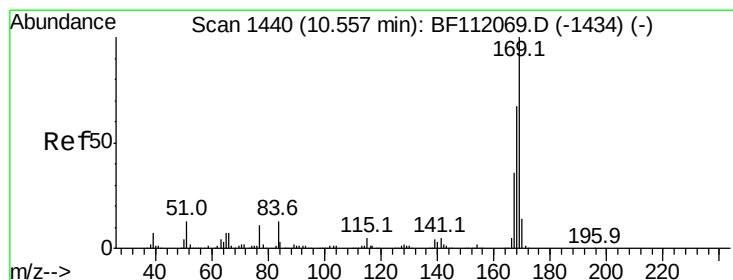
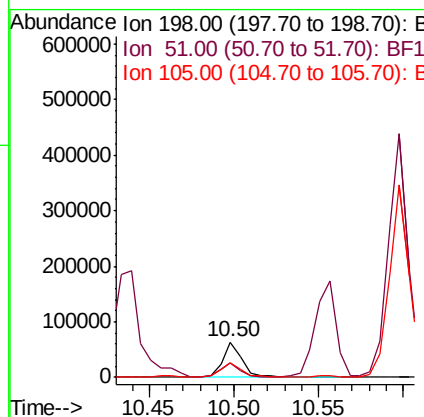
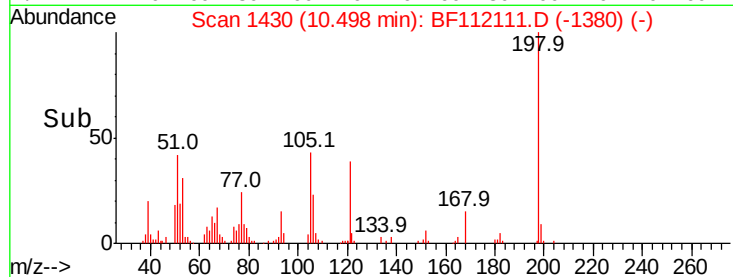
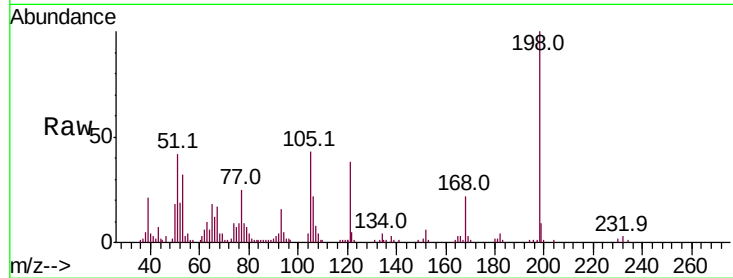
ClientSampleId :

PB116445BSD

Tot Ion:	198	Resp:	51500
Ion Ratio	Lower	Upper	
198	100		
51	41.7	17.2	57.2
105	42.8	21.9	61.9

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM



#66

n-Nitrosodiphenylamine

Concen: 41.012 ng

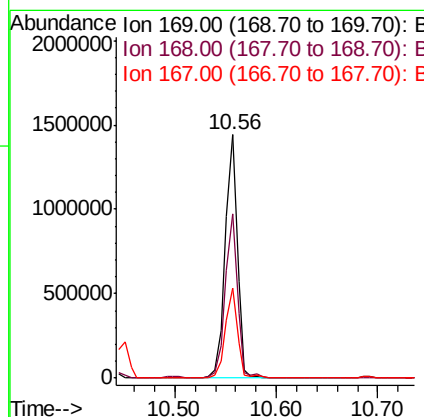
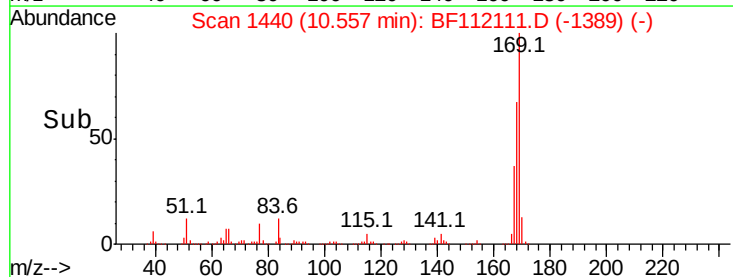
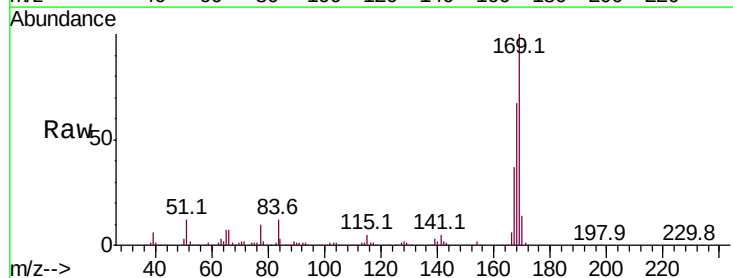
RT: 10.56 min Scan# 1440

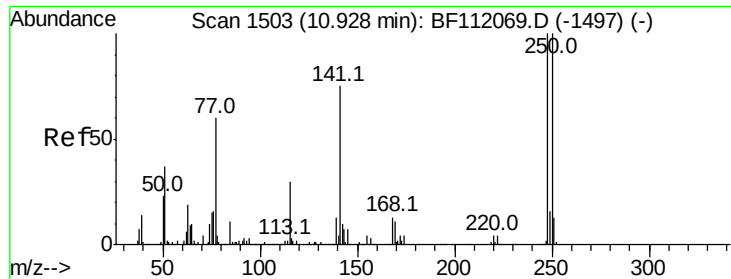
Delta R.T. -0.00 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Tgt Ion:	169	Resp:	1194276
Ion Ratio	Lower	Upper	
169	100		
168	67.4	53.9	80.9
167	37.2	28.9	43.3





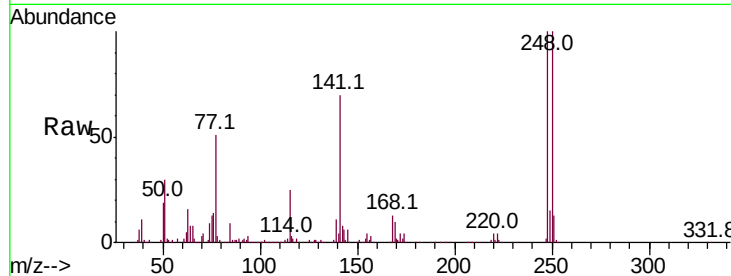
#67
4-Bromophenyl-phenylether
Concen: 39.266 ng
RT: 10.93 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	100.1	79.7	119.5
141	70.1	60.3	90.5

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM

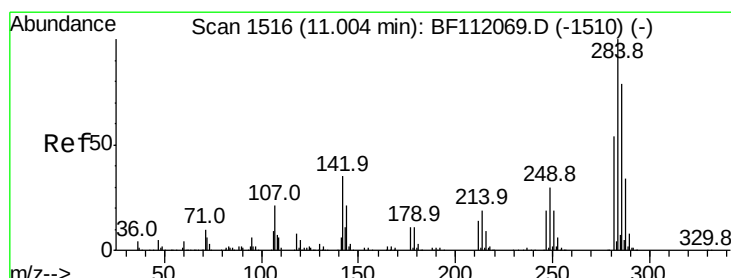
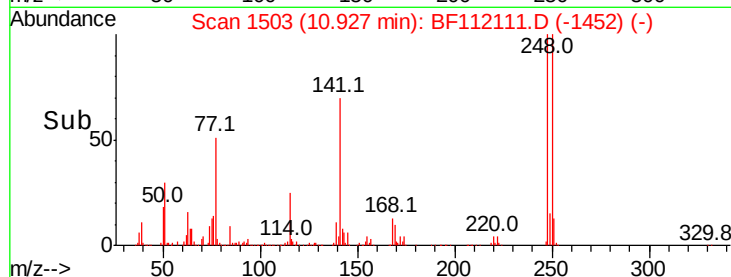
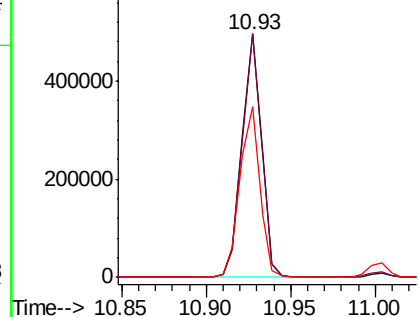


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 36.993 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

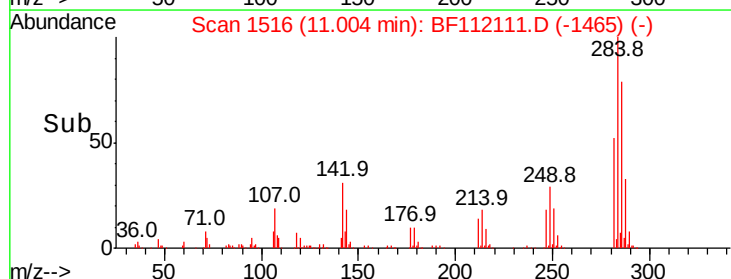
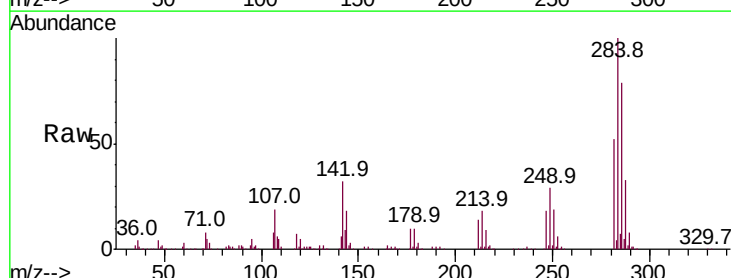
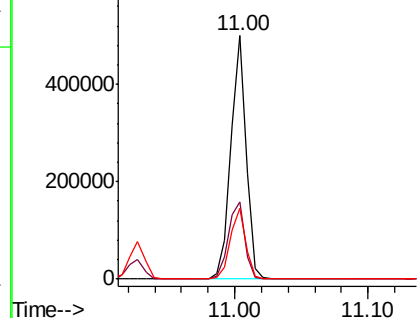
Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.8	27.6	41.4
249	29.1	24.1	36.1

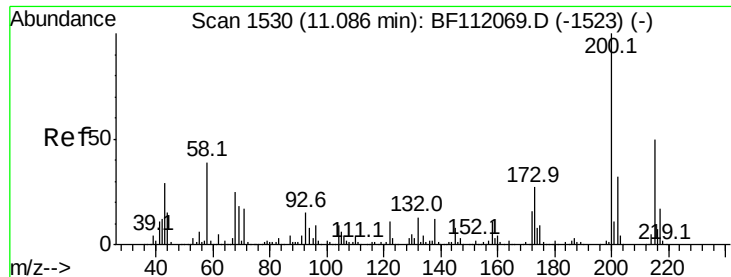
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 41.276 ng

RT: 11.08 min Scan# 1529

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Instrument :

BNA_F

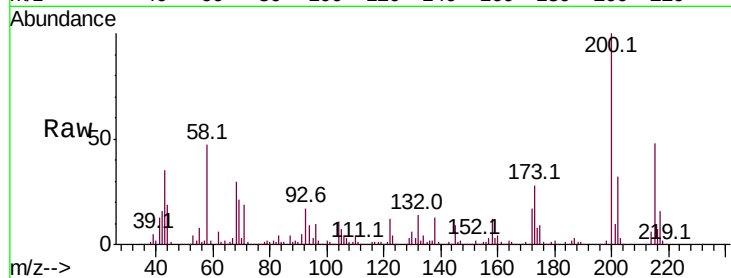
ClientSampled :

PB116445BSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.3	7.1	47.1
215	47.7	30.4	70.4

Manual Integrations
APPROVED

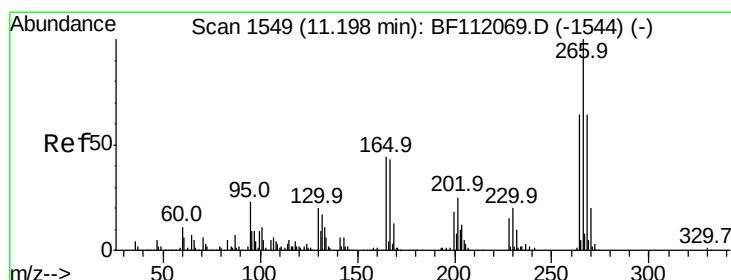
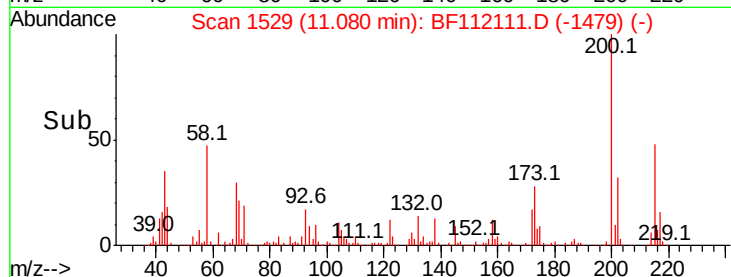
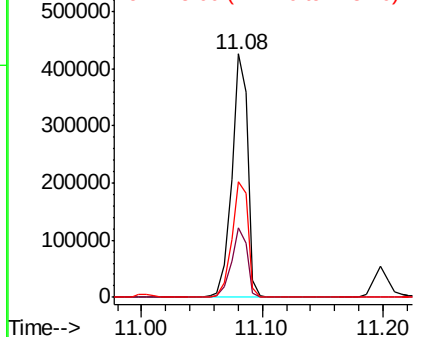
Sohil
1/18/2019 11:46:02 AM



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: 59.426 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BF112111.D

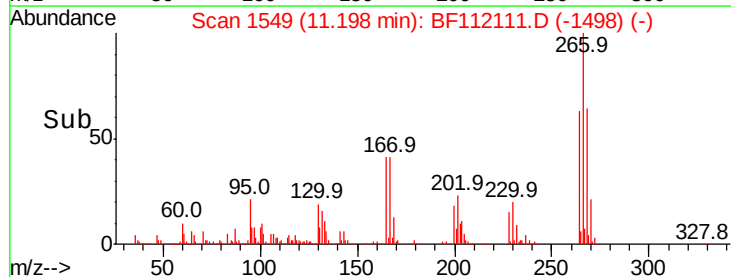
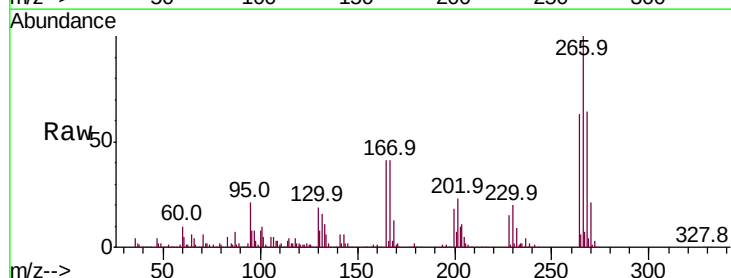
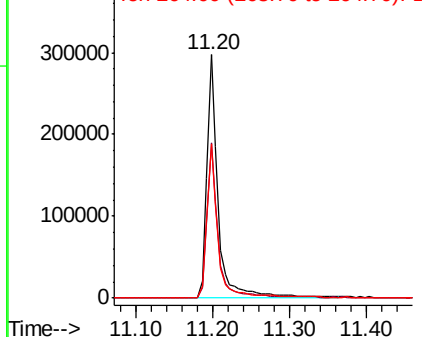
Acq: 18 Jan 2019 2:02

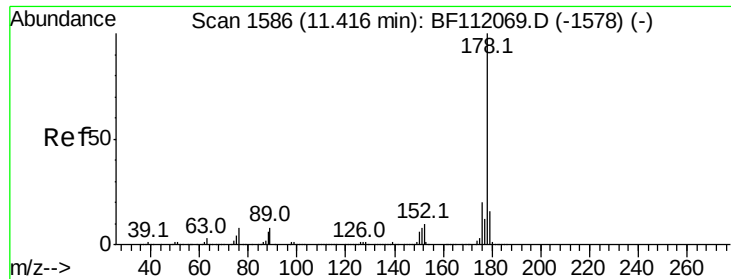
Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.2	76.8
264	63.4	50.9	76.3

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: 38.550 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Instrument :

BNA_F

ClientSampleId :

PB116445BSD

Tot Ion:178 Resp: 1708905

Ion Ratio Lower Upper

178 100

176 19.7 16.3 24.5

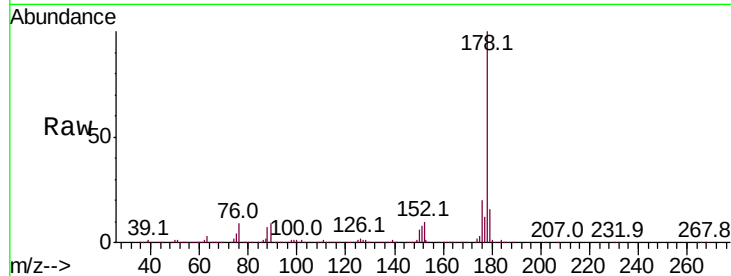
179 15.9 13.0 19.4

Manual Integrations

APPROVED

Sohil

1/18/2019 11:46:02 AM

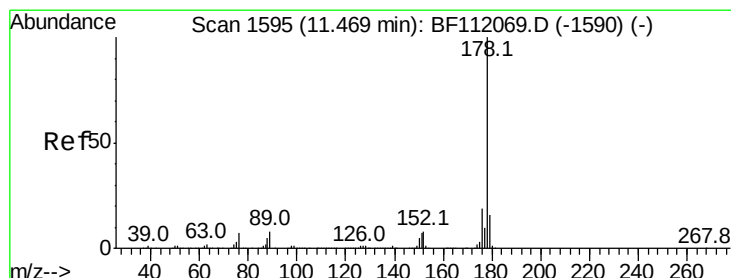
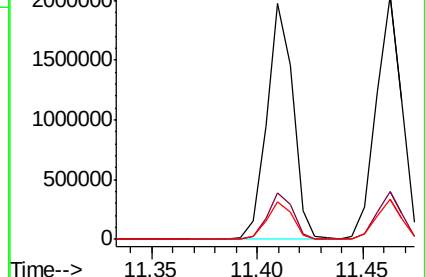
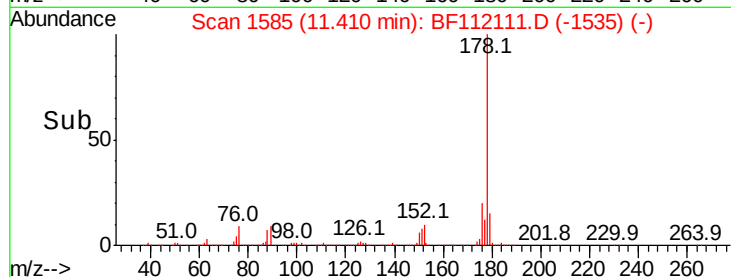


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



#72

Anthracene

Concen: 38.814 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

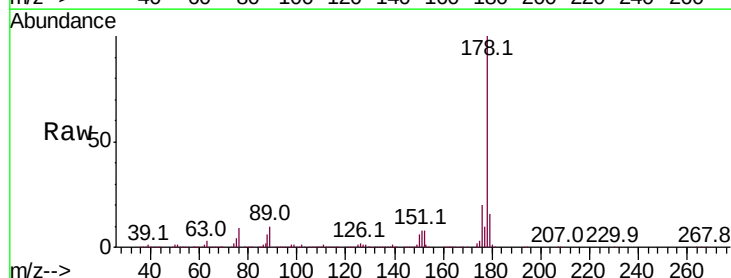
Tgt Ion:178 Resp: 1742996

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 16.3 12.8 19.2

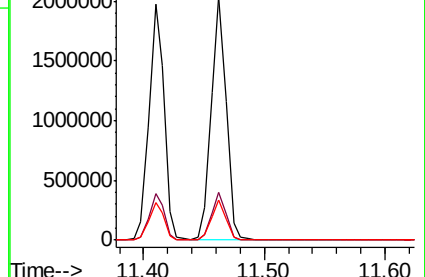
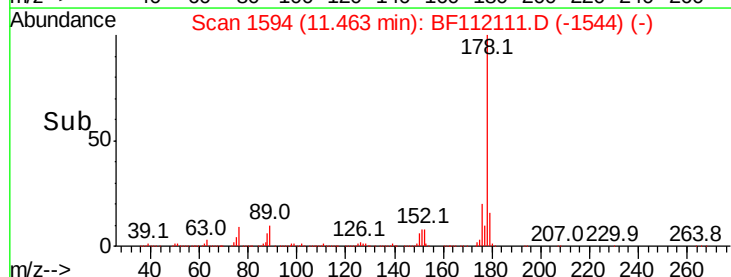


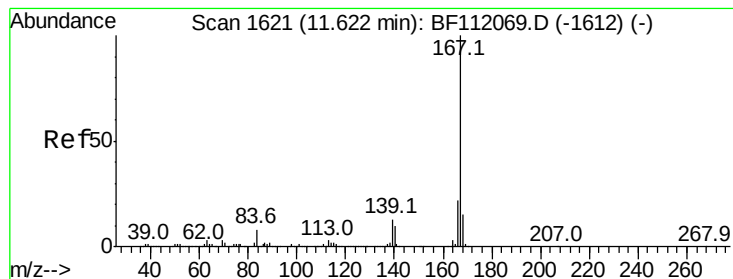
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->





#73

Carbazole

Concen: 34.101 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Instrument :

BNA_F

ClientSampleId :

PB116445BSD

Tot Ion:167 Resp: 1534026

Ion Ratio Lower Upper

167 100

166 21.9 17.9 26.9

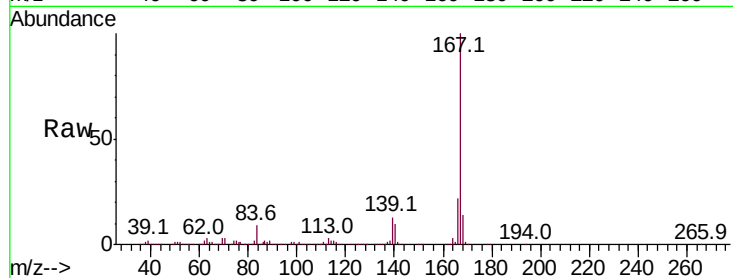
139 13.1 10.2 15.2

Manual Integrations

APPROVED

Sohil

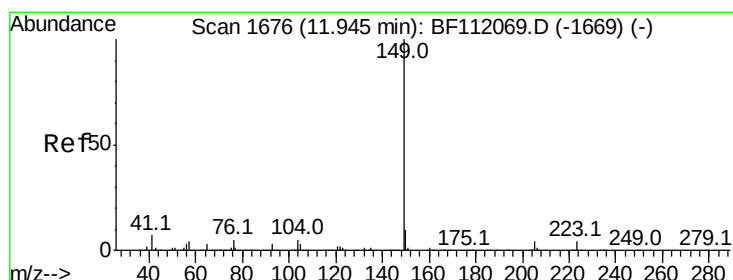
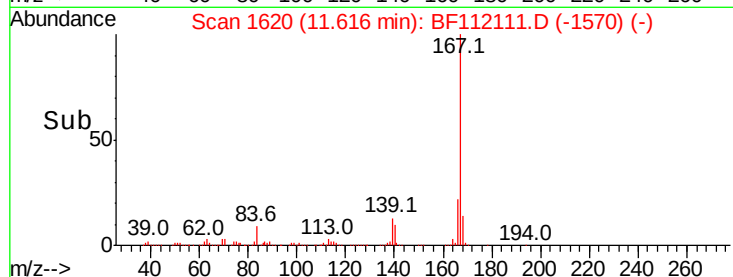
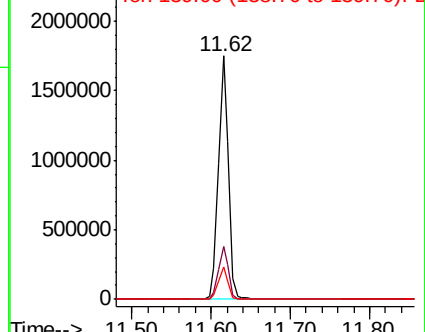
1/18/2019 11:46:02 AM



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 40.792 ng

RT: 11.94 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

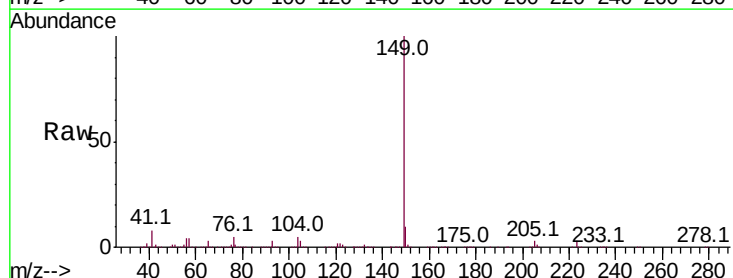
Tgt Ion:149 Resp: 2064158

Ion Ratio Lower Upper

149 100

150 10.0 8.1 12.1

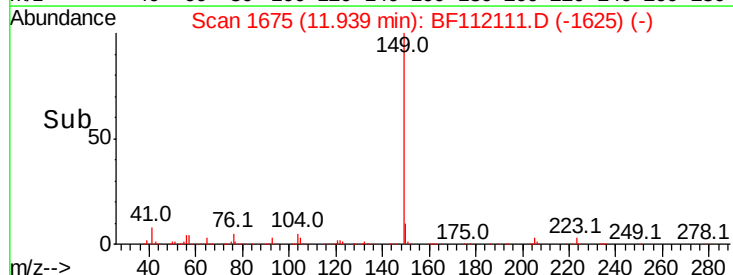
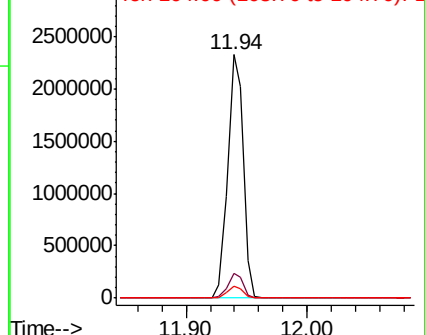
104 4.9 3.9 5.9

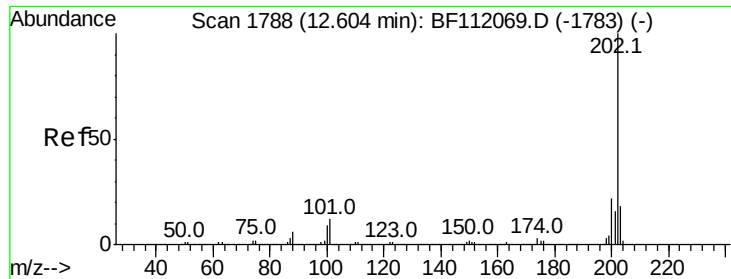


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 35.126 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Instrument :

BNA_F

ClientSampleId :

PB116445BSD

Tot Ion:202 Resp: 1644071

Ion Ratio Lower Upper

202 100

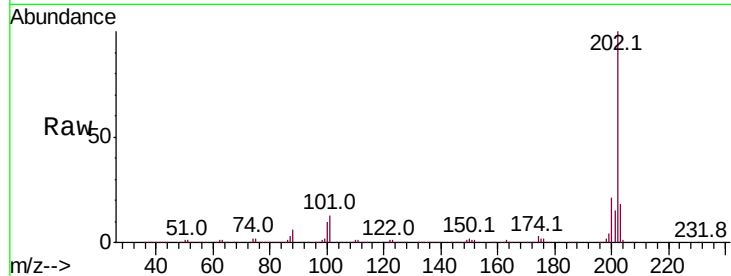
101 12.5 0.0 31.8

203 18.0 0.0 38.4

Manual Integrations
APPROVED

Sohil

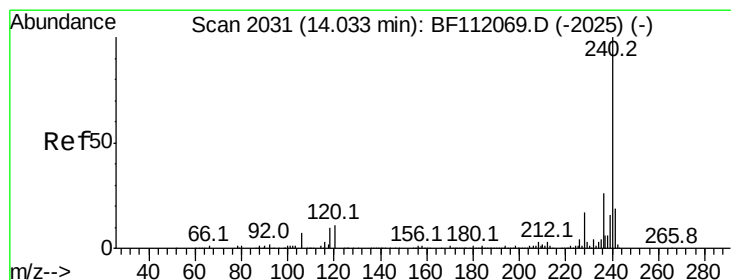
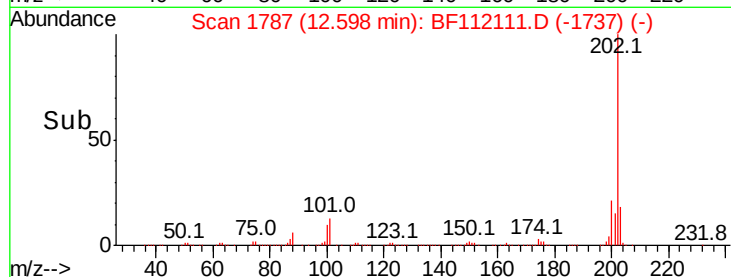
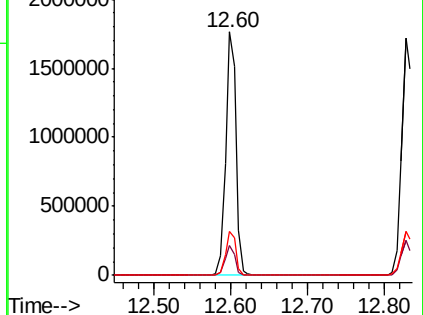
1/18/2019 11:46:02 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

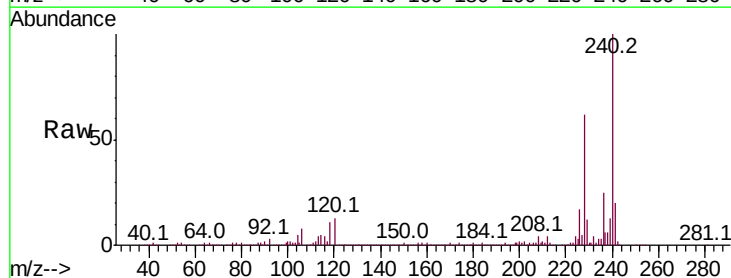
Tgt Ion:240 Resp: 666863

Ion Ratio Lower Upper

240 100

120 13.0 9.0 13.6

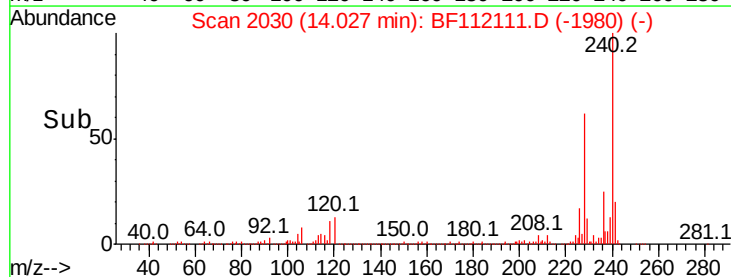
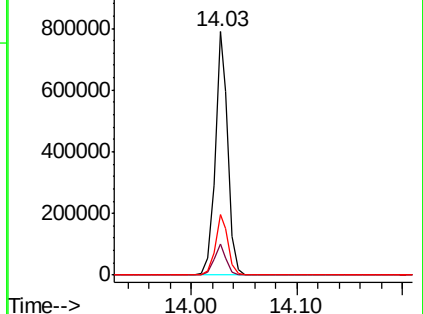
236 24.7 20.7 31.1

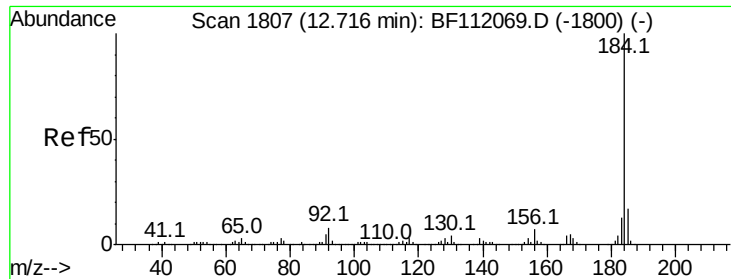


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 30.564 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.00 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Instrument :

BNA_F

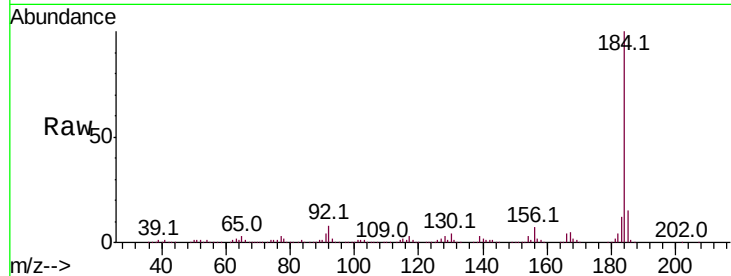
ClientSampled :

PB116445BSD

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.6	13.9	20.9
183	11.9	10.0	15.0

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM

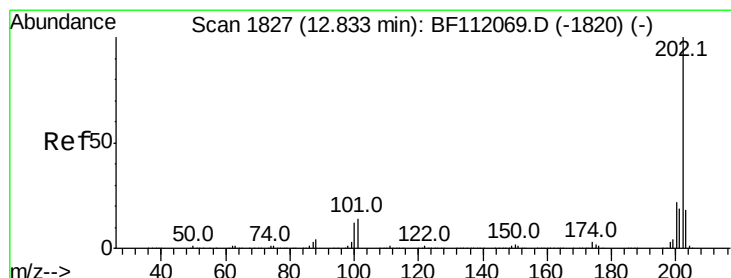
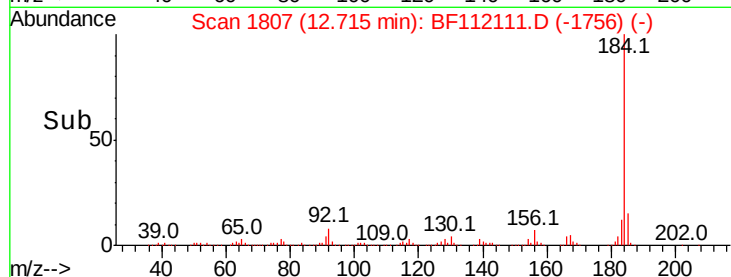
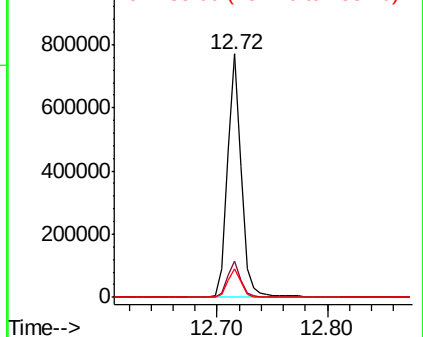


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 37.226 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

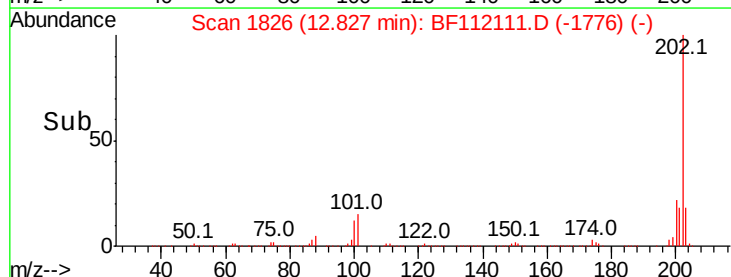
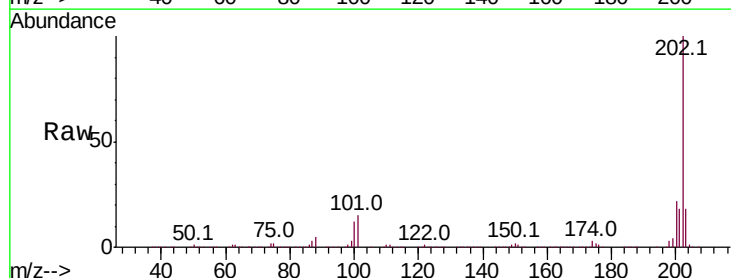
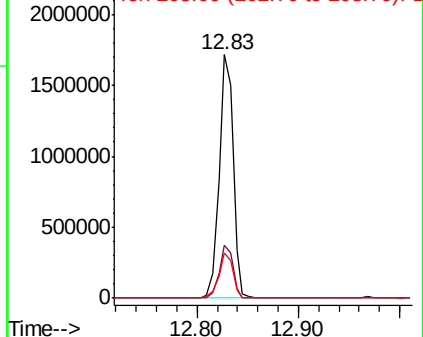
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.7	26.5
203	18.4	14.6	22.0

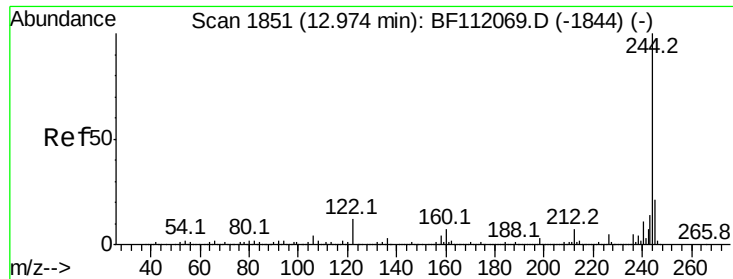
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





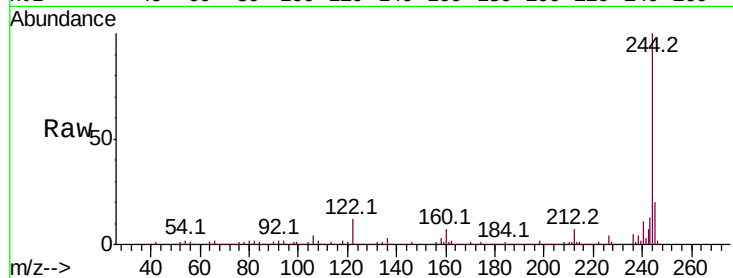
#79
 Terphenyl-d14
 Concen: 66.001 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Instrument :
 BNA_F
 ClientSampleId :
 PB116445BSD

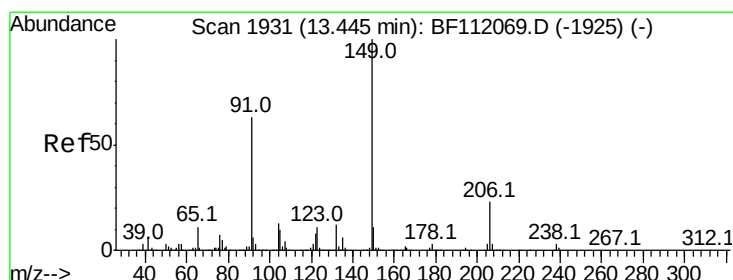
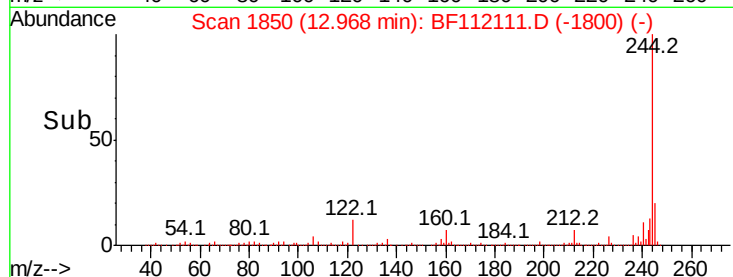
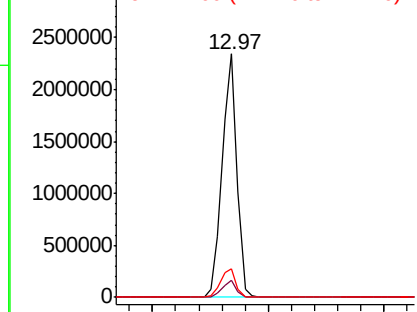
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	11.7	9.8	14.6

Manual Integrations
 APPROVED

Sohil
 1/18/2019 11:46:02 AM

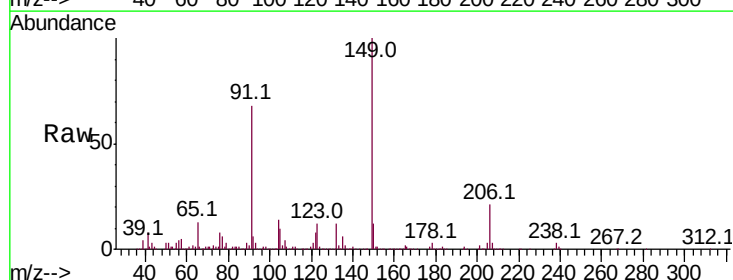


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

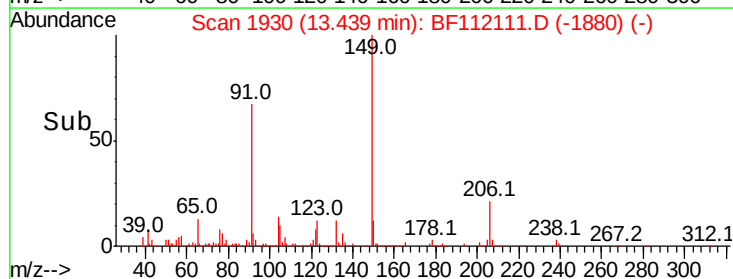
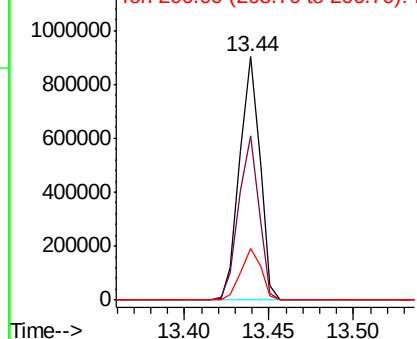


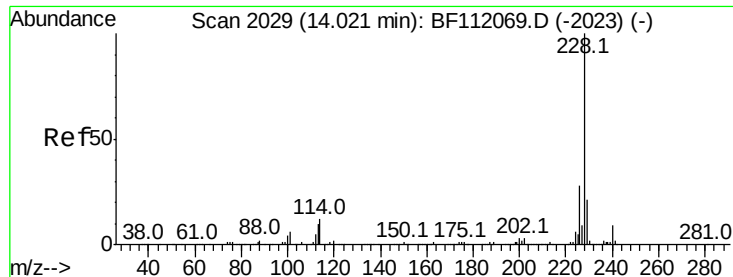
#80
 Butylbenzylphthalate
 Concen: 39.362 ng
 RT: 13.44 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
149	100		
91	67.5	50.3	75.5
206	21.2	18.2	27.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF1
 Ion 206.00 (205.70 to 206.70): E





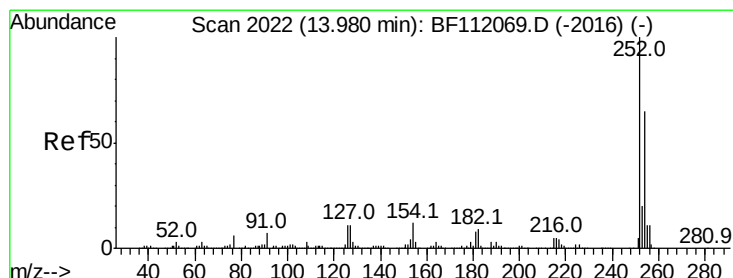
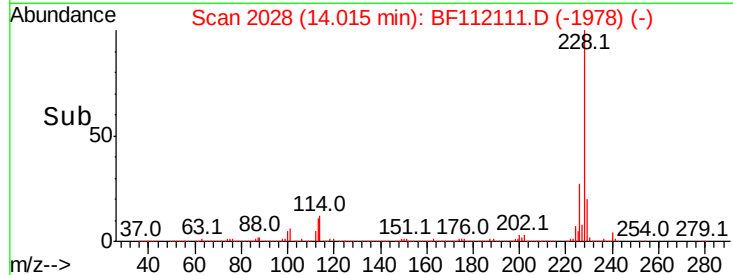
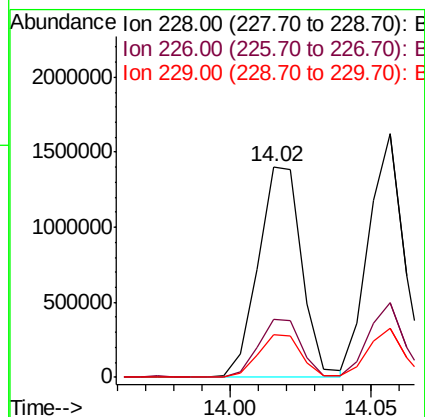
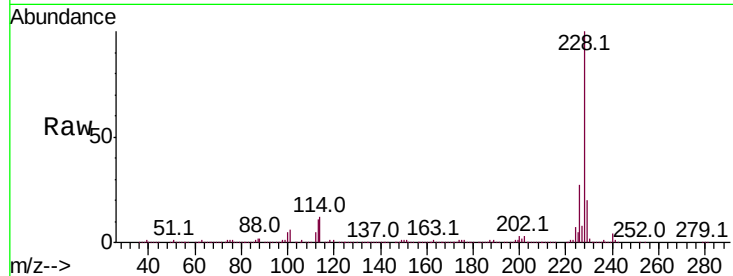
#81
Benzo(a)anthracene
Concen: 39.306 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	34.0
229	20.4	16.5	24.7

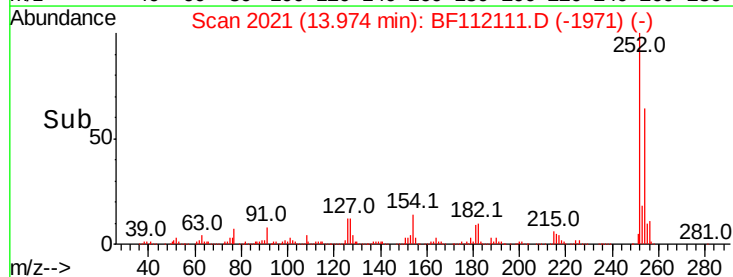
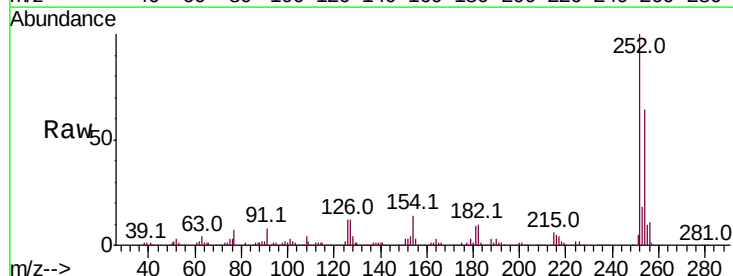
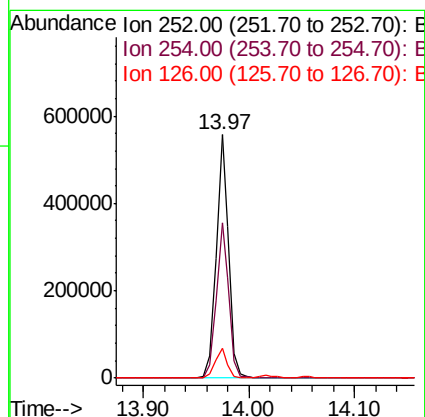
Manual Integrations
APPROVED

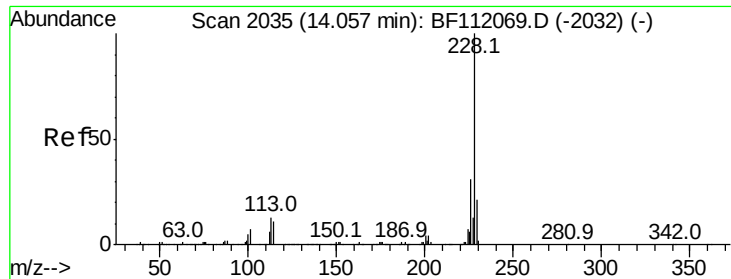
Sohil
1/18/2019 11:46:02 AM



#82
3,3'-Dichlorobenzidine
Concen: 32.433 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.6	77.4
126	12.4	8.6	12.8





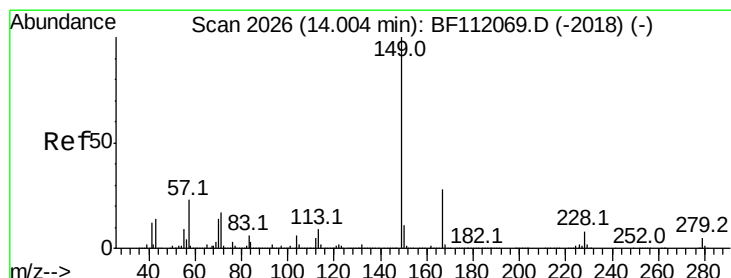
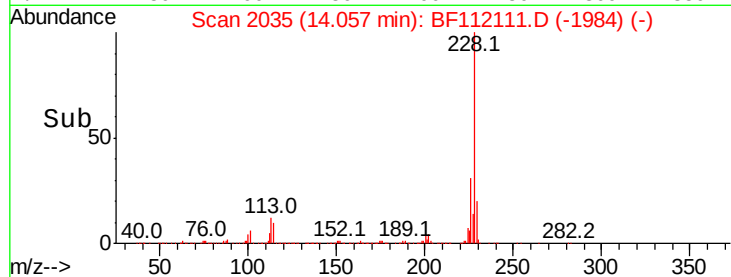
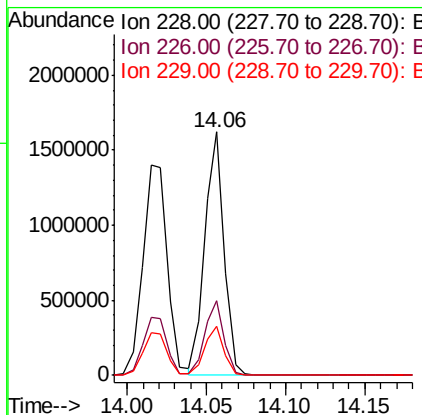
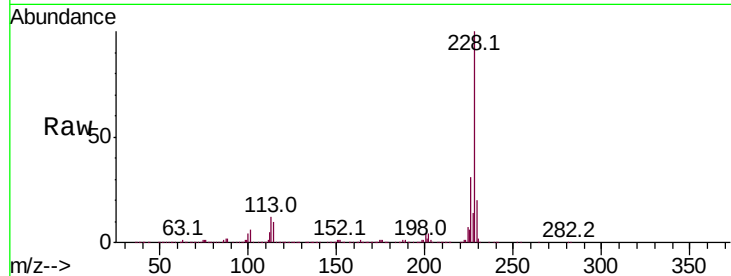
#83
 Chrysene
 Concen: 38.400 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Instrument :
 BNA_F
 ClientSampleId :
 PB116445BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	20.4	16.6	24.8

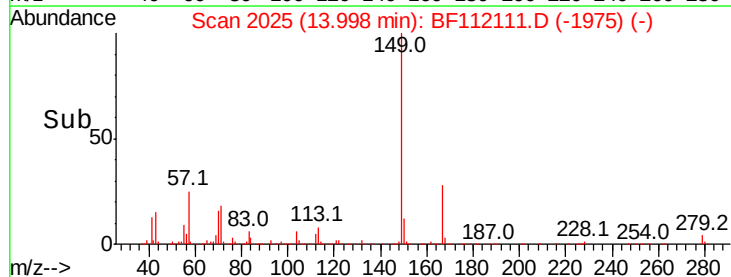
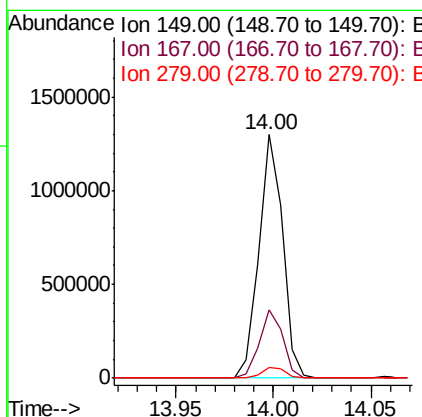
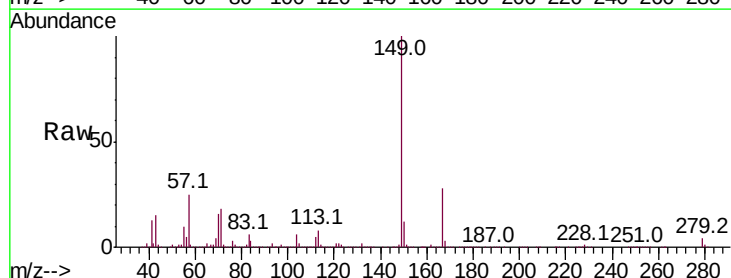
Manual Integrations
 APPROVED

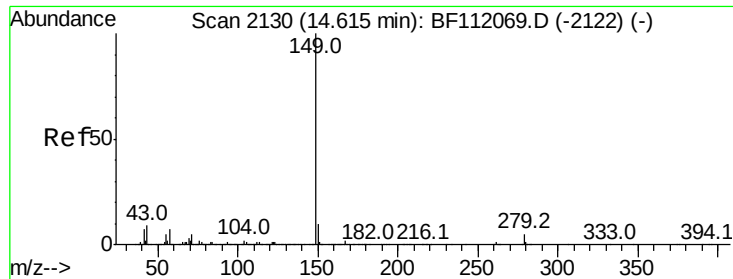
Sohil
 1/18/2019 11:46:02 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 39.717 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF112111.D
 Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.5	33.7
279	4.2	3.8	5.6





#85

Di-n-octyl phthalate

Concen: 42.099 ng

RT: 14.61 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Instrument :

BNA_F

ClientSampleID :

PB116445BSD

Tot Ion:149 Resp: 1794318

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

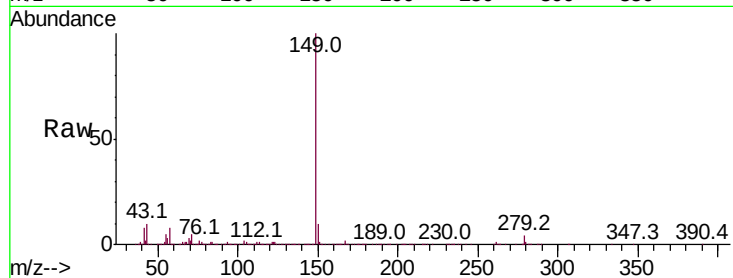
43 9.4 7.8 11.6

Manual Integrations

APPROVED

Sohil

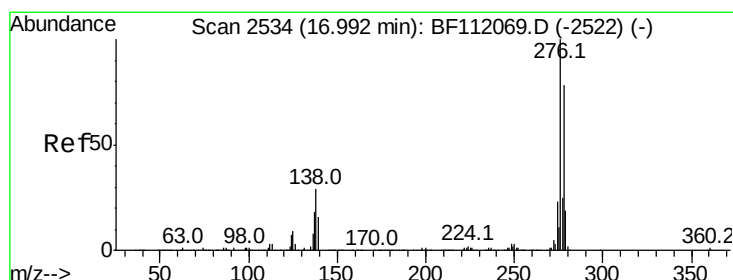
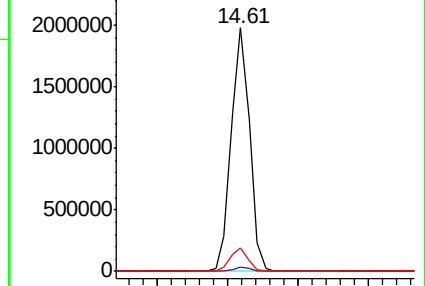
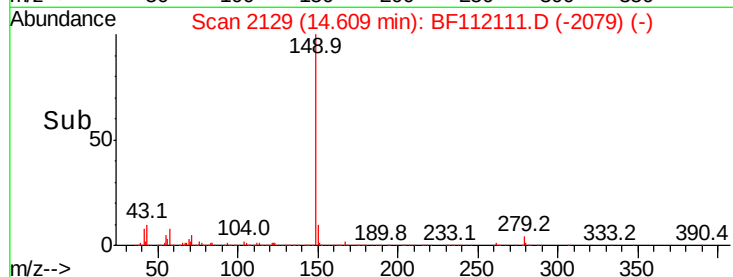
1/18/2019 11:46:02 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 31.353 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

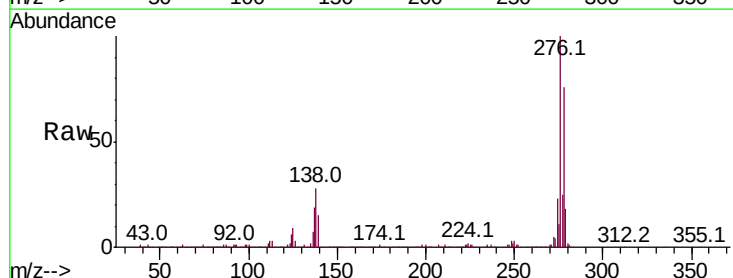
Tgt Ion:276 Resp: 1046544

Ion Ratio Lower Upper

276 100

138 28.0 22.6 34.0

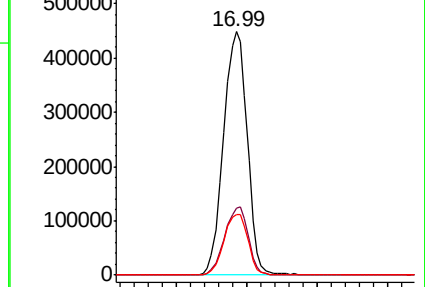
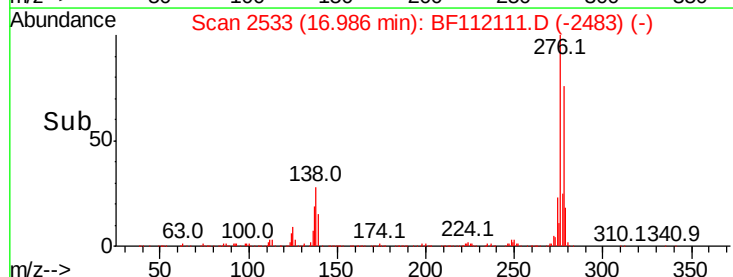
277 25.5 20.3 30.5

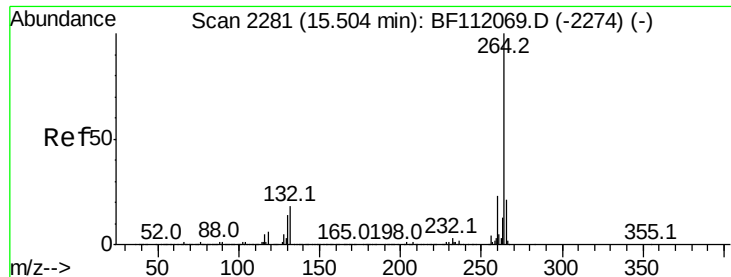


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Instrument :

BNA_F

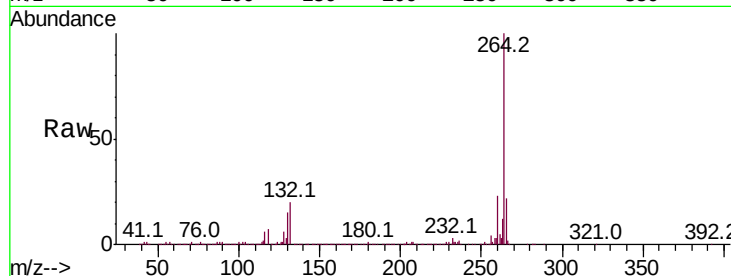
ClientSampleId :

PB116445BSD

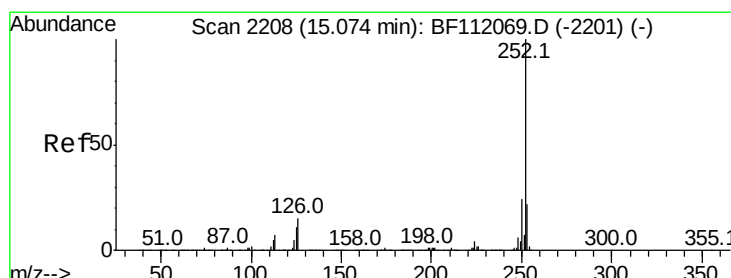
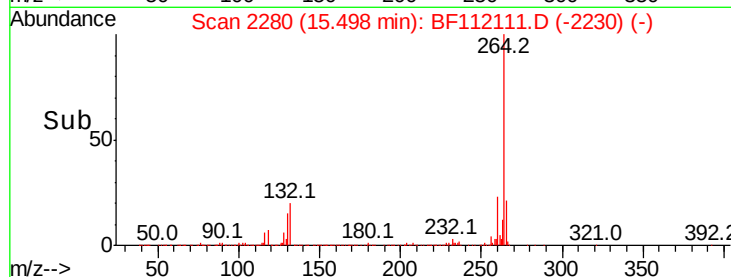
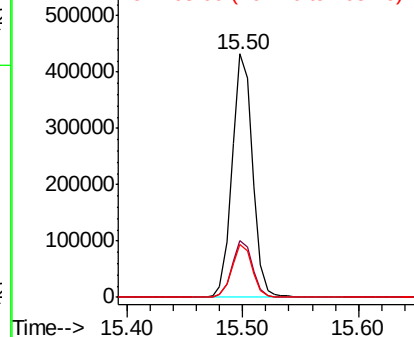
Tot Ion:	264	Resp:	530317
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.2	27.2
265	21.5	17.0	25.4

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 43.112 ng

RT: 15.07 min Scan# 2208

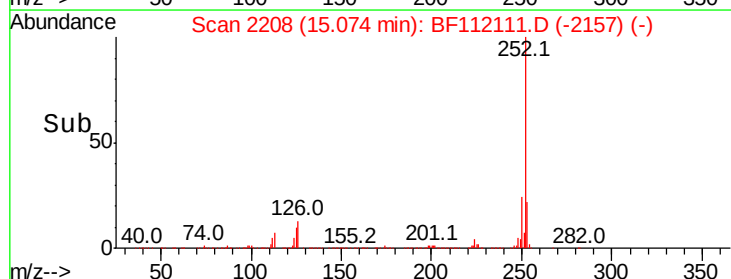
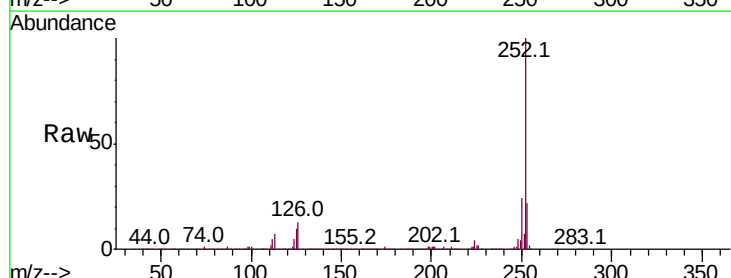
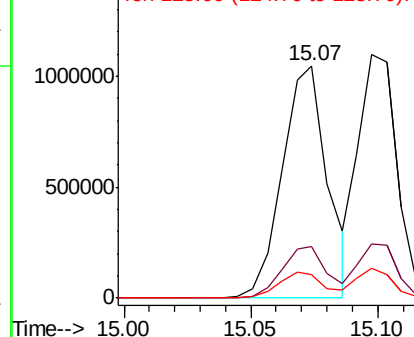
Delta R.T. -0.00 min

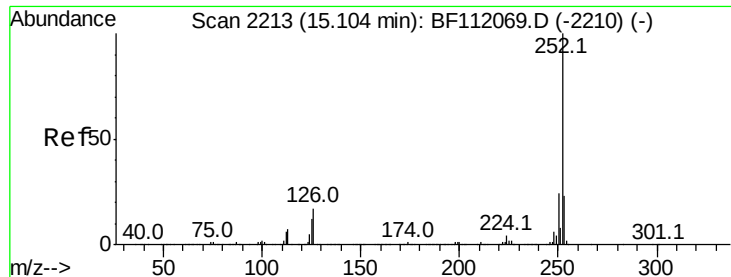
Lab File: BF112111.D

Acq: 18 Jan 2019 2:02

Tgt Ion:	252	Resp:	1297811
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.0	27.0
125	10.0	8.7	13.1

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





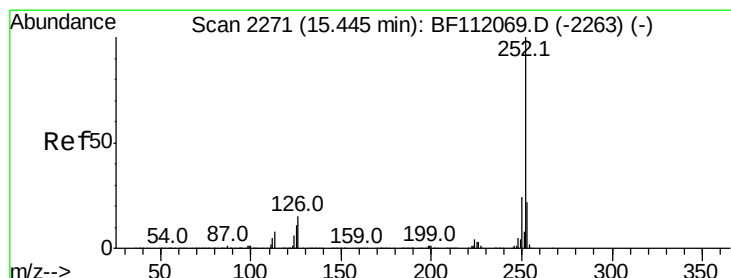
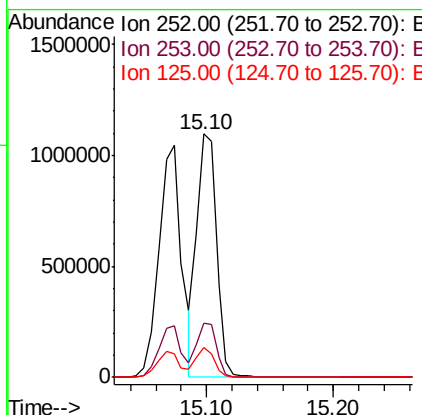
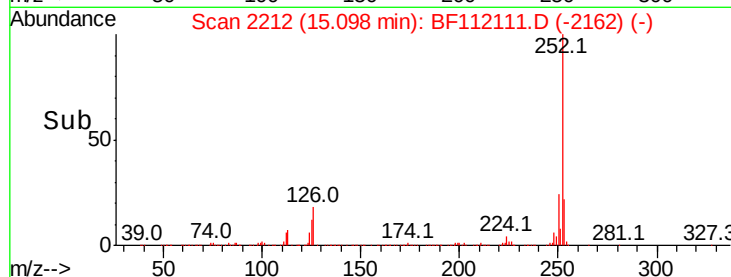
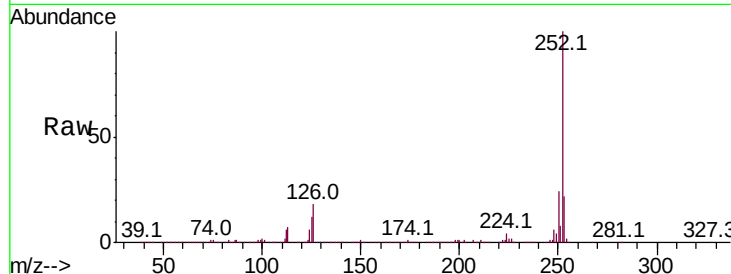
#89
Benzo(k)fluoranthene
Concen: 40.253 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	12.3	9.1	13.7

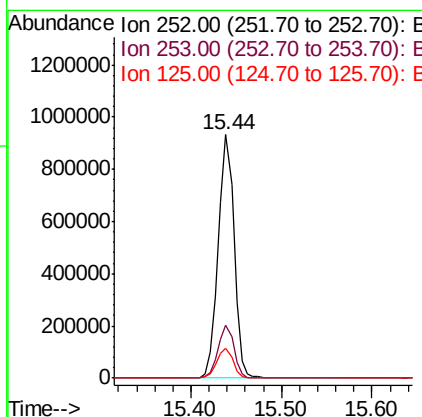
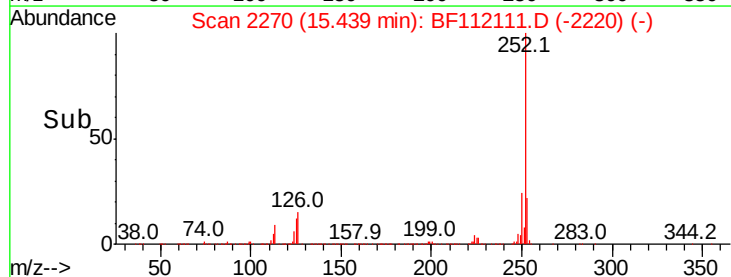
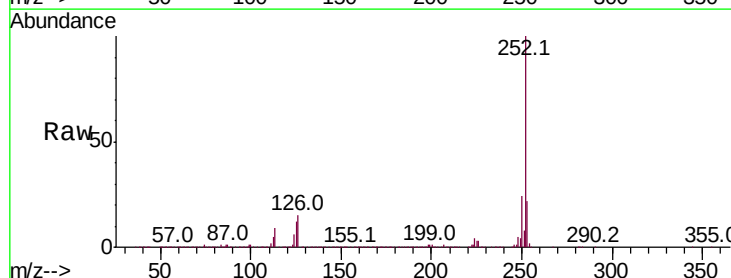
Manual Integrations
APPROVED

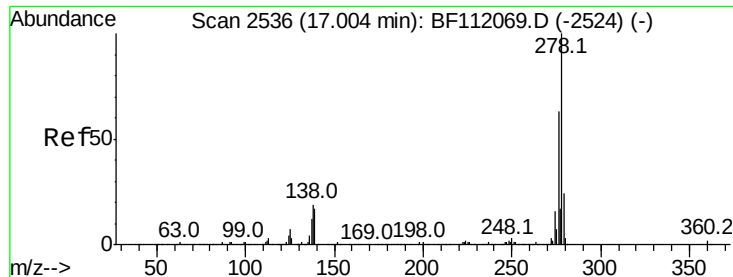
Sohil
1/18/2019 11:46:02 AM



#90
Benzo(a)pyrene
Concen: 40.819 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	12.2	9.0	13.4





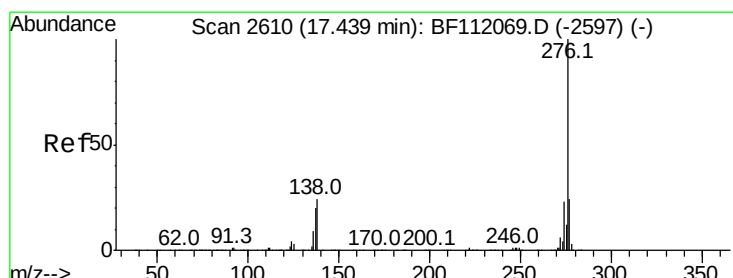
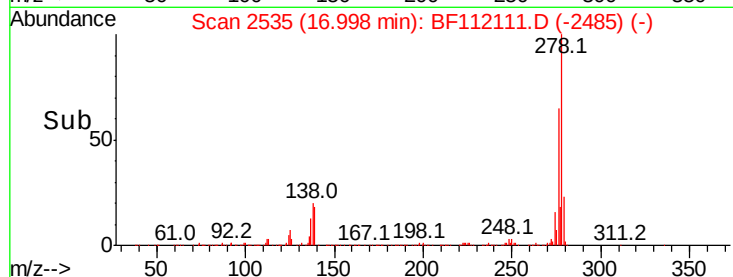
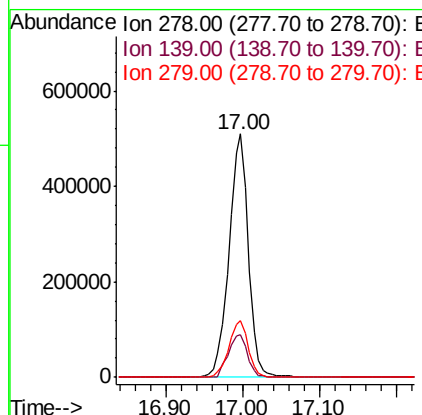
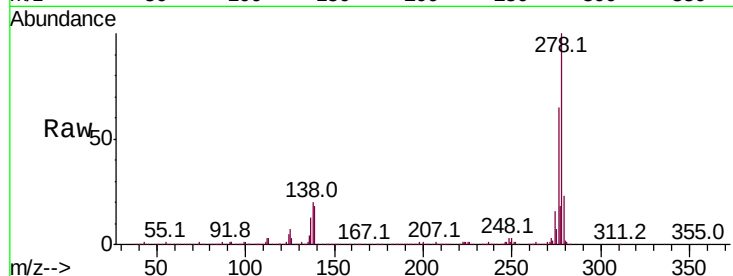
#91
Dibenzo(a,h)anthracene
Concen: 36.312 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Instrument :
BNA_F
ClientSampleId :
PB116445BSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.7	20.5
279	23.3	19.0	28.6

Manual Integrations
APPROVED

Sohil
1/18/2019 11:46:02 AM



#92
Benzo(g,h,i)perylene
Concen: 34.759 ng
RT: 17.43 min Scan# 2609
Delta R.T. -0.01 min
Lab File: BF112111.D
Acq: 18 Jan 2019 2:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.0
138	23.9	19.1	28.7

