

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111716.D
 Acq On : 26 Dec 2018 15:17
 Operator : JU/SJ
 Sample : J6525-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1(5)MSD

Manual Integrations
 APPROVED

Sohil
 12/27/2018 8:22:21 AM

Quant Time: Dec 26 16:25:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 26 13:36:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	172961	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	673283	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	347877	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	643429	20.00	ng	0.00
76) Chrysene-d12	14.06	240	434956	20.00	ng	0.00
87) Perylene-d12	15.55	264	404824	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	1197231	117.99	ng	0.00
7) Phenol-d6	6.55	99	1582091	122.51	ng	0.00
23) Nitrobenzene-d5	7.46	82	1015552	87.80	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	496763	120.85	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1868966	78.31	ng	0.00
79) Terphenyl-d14	13.01	244	1780115	77.61	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.73	88	148675	31.142	ng	97
3) Pyridine	3.50	79	409356	32.912	ng	98
4) n-Nitrosodimethylamine	3.43	42	255036	41.898	ng	83
6) Aniline	6.56	93	277608	16.865	ng	# 20
8) 2-Chlorophenol	6.69	128	463664	41.250	ng	99
9) Benzaldehyde	6.45	77	225099	25.345	ng	95
10) Phenol	6.56	94	624849	42.884	ng	91
11) bis(2-Chloroethyl)ether	6.63	93	426784	39.088	ng	95
12) 1,3-Dichlorobenzene	6.85	146	513837	39.446	ng	97
13) 1,4-Dichlorobenzene	6.92	146	523868	39.654	ng	96
14) 1,2-Dichlorobenzene	7.07	146	485624	39.399	ng	98
15) Benzyl Alcohol	7.04	79	426495	41.585	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.17	45	737356	36.668	ng	98
17) 2-Methylphenol	7.16	107	373962	41.549	ng	94
18) Hexachloroethane	7.42	117	175672	39.460	ng	# 88
19) n-Nitroso-di-n-propylamine	7.32	70	332608	38.783	ng	99
20) 3+4-Methylphenols	7.31	107	457300	40.210	ng	92
22) Acetophenone	7.30	105	628928	36.872	ng	# 94
24) Nitrobenzene	7.48	77	499806	41.227	ng	98
25) Isophorone	7.72	82	884699	43.083	ng	100
26) 2-Nitrophenol	7.80	139	239969	48.806	ng	95
27) 2,4-Dimethylphenol	7.84	122	398502	41.115	ng	95
28) bis(2-Chloroethoxy)methane	7.93	93	556470	40.723	ng	98
29) 2,4-Dichlorophenol	8.05	162	418428	40.137	ng	96
30) 1,2,4-Trichlorobenzene	8.13	180	446089	38.399	ng	97
31) Naphthalene	8.21	128	1338341	41.370	ng	97
32) Benzoic acid	7.93	122	145245	22.665	ng	87
33) 4-Chloroaniline	8.25	127	150626	10.772	ng	96
34) Hexachlorobutadiene	8.33	225	262887	37.130	ng	98
35) Caprolactam	8.61	113	129361m	36.620	ng	
36) 4-Chloro-3-methylphenol	8.74	107	417708	40.761	ng	100
37) 2-Methylnaphthalene	8.90	142	923345	43.870	ng	99
38) 1-Methylnaphthalene	9.00	142	881705	43.618	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	446203	39.034	ng	97

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111716.D
 Acq On : 26 Dec 2018 15:17
 Operator : JU/SJ
 Sample : J6525-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1(5)MSD

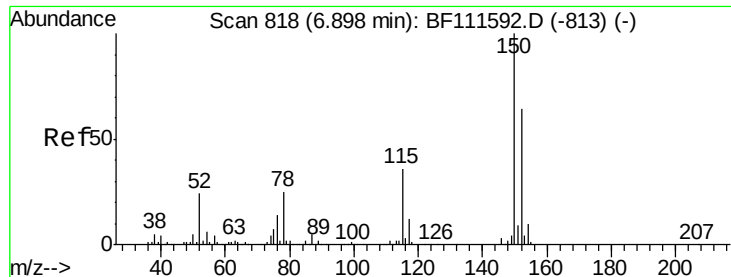
Manual Integrations
 APPROVED

Sohil
 12/27/2018 8:22:21 AM

Quant Time: Dec 26 16:25:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 26 13:36:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	365408	65.873	nq	99
43) 2,4,6-Trichlorophenol	9.17	196	307533	40.295	nq	98
44) 2,4,5-Trichlorophenol	9.22	196	323226	41.282	nq	96
46) 1,1'-Biphenyl	9.36	154	1152137	39.234	nq	94
47) 2-Chloronaphthalene	9.39	162	891473	38.316	nq	95
48) 2-Nitroaniline	9.47	65	276997	45.764	nq	99
49) Acenaphthylene	9.80	152	1411262	41.544	nq	96
50) Dimethylphthalate	9.66	163	1426549	56.077	nq	99
51) 2,6-Dinitrotoluene	9.72	165	237359	46.793	nq #	86
52) Acenaphthene	9.97	154	865526	41.311	nq	98
53) 3-Nitroaniline	9.89	138	154246	28.512	nq	94
54) 2,4-Dinitrophenol	9.99	184	93077	59.261	nq #	77
55) Dibenzofuran	10.15	168	1266135	40.000	nq	96
56) 4-Nitrophenol	10.06	139	343272	83.146	nq	90
57) 2,4-Dinitrotoluene	10.12	165	312290	51.224	nq #	98
58) Fluorene	10.49	166	973682	42.688	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.26	232	275620	41.829	nq	91
60) Diethylphthalate	10.36	149	1061716	42.547	nq	99
61) 4-Chlorophenyl-phenylether	10.48	204	493364	39.150	nq	91
62) 4-Nitroaniline	10.50	138	215630	41.010	nq	87
63) Azobenzene	10.64	77	956886	38.195	nq	95
65) 4,6-Dinitro-2-methylphenol	10.53	198	89329	35.601	nq	90
66) n-Nitrosodiphenylamine	10.60	169	868369	40.205	nq	99
67) 4-Bromophenyl-phenylether	10.97	248	312323	39.135	nq	92
68) Hexachlorobenzene	11.04	284	345763	38.858	nq	98
69) Atrazine	11.12	200	299390	39.900	nq	96
70) Pentachlorophenol	11.23	266	350310	63.681	nq	97
71) Phenanthrene	11.45	178	1401152	41.061	nq	95
72) Anthracene	11.50	178	1427872	41.688	nq	96
73) Carbazole	11.65	167	1222260	36.756	nq	95
74) Di-n-butylphthalate	11.98	149	1591040	42.674	nq	97
75) Fluoranthene	12.64	202	1317673	38.133	nq	95
77) Benzidine	13.01	184	22761	1.391	nq	97
78) Pyrene	12.87	202	1291904	42.060	nq	96
80) Butylbenzylphthalate	13.48	149	560431	44.761	nq	89
81) Benzo(a)anthracene	14.05	228	1029655	41.480	nq	99
82) 3,3'-Dichlorobenzidine	14.01	252	258810	26.389	nq #	98
83) Chrysene	14.09	228	985723	40.403	nq	98
84) Bis(2-ethylhexyl)phthalate	14.04	149	784069	49.716	nq #	97
85) Di-n-octyl phthalate	14.66	149	1183675	48.442	nq	95
86) Indeno(1,2,3-cd)pyrene	17.04	276	746690	36.003	nq #	87
88) Benzo(b)fluoranthene	15.12	252	979050	41.381	nq #	95
89) Benzo(k)fluoranthene	15.14	252	959323	42.590	nq #	96
90) Benzo(a)pyrene	15.49	252	904985	42.102	nq #	95
91) Dibenzo(a,h)anthracene	17.06	278	633073	33.634	nq #	90
92) Benzo(g,h,i)perylene	17.49	276	565757	30.782	nq #	89

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



#1

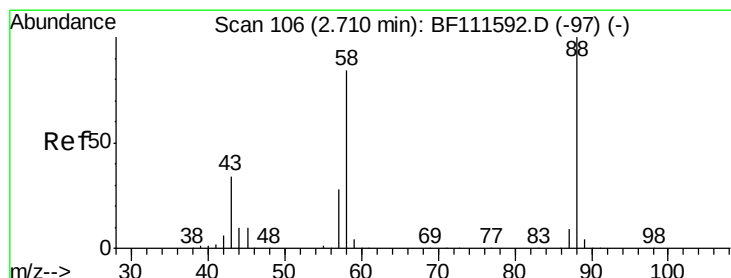
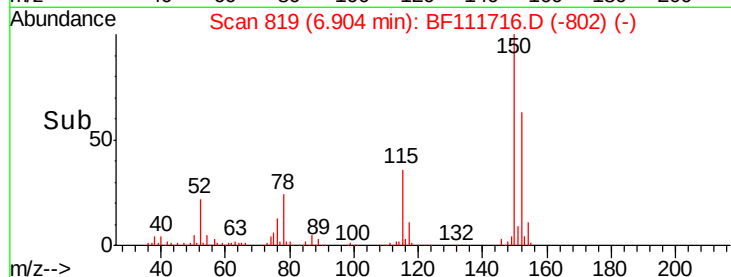
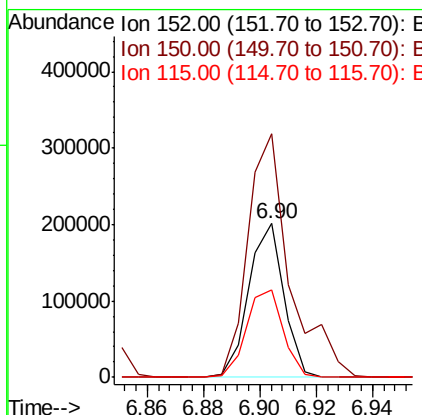
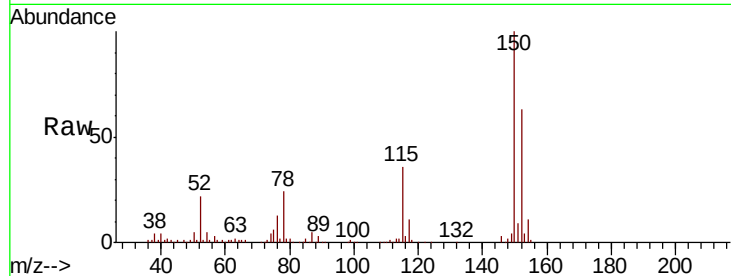
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.6	189.8
115	56.6	50.7	76.1

Manual Integrations
APPROVED

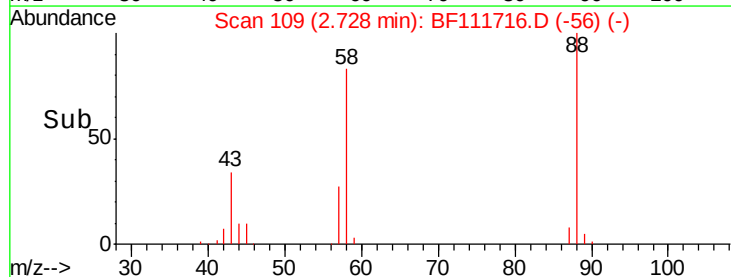
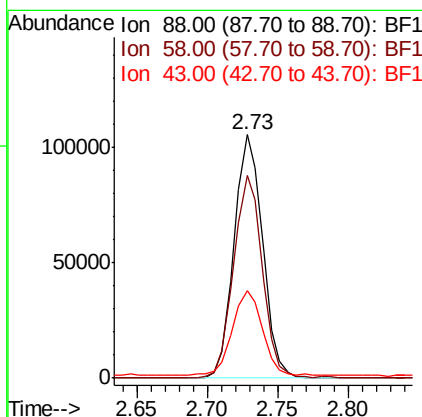
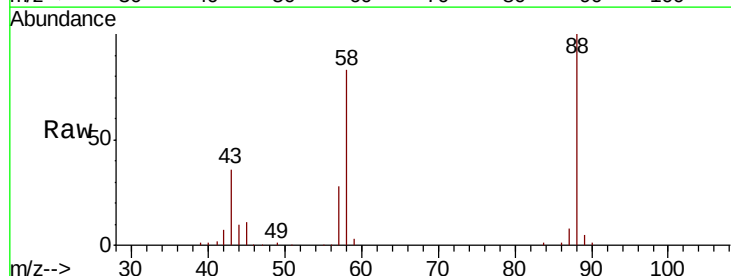
Sohil
12/27/2018 8:22:21 AM

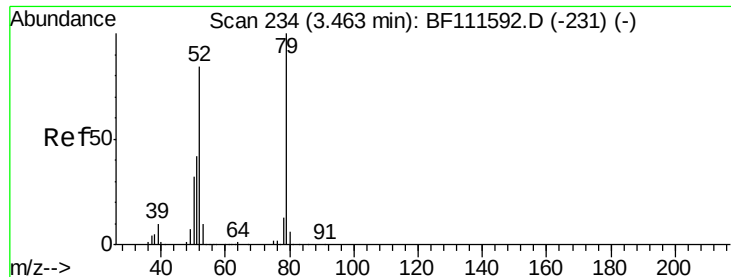


#2

1,4-Dioxane
Concen: 31.142 ng
RT: 2.73 min Scan# 109
Delta R.T. 0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.5	68.9	103.3
43	36.5	25.8	38.6





#3

Pvridine

Concen: 32.912 ng

RT: 3.50 min Scan# 241

Delta R.T. 0.03 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Instrument :

BNA_F

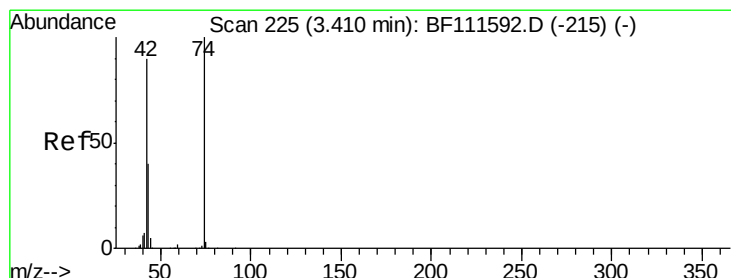
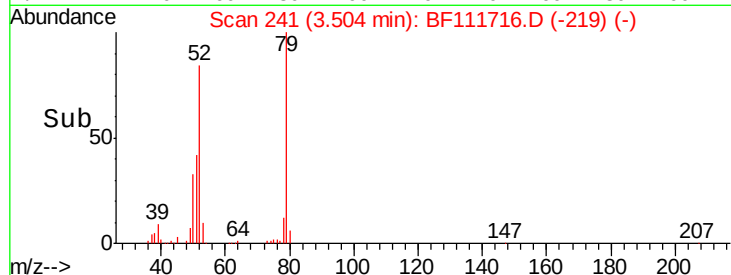
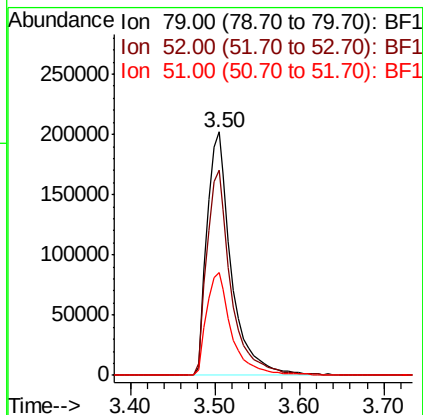
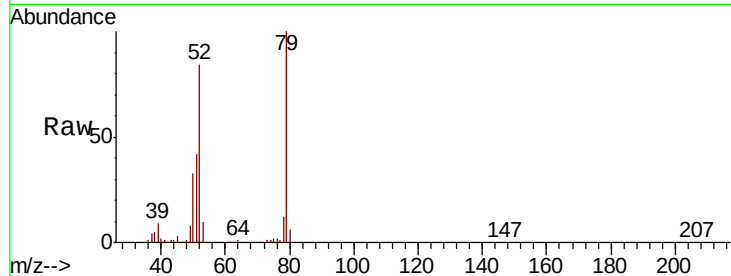
ClientSampled :

S-1(5)MSD

Tot Ion:	79	Resp:	409356
Ion Ratio	Lower	Upper	
79	100		
52	84.3	68.3	102.5
51	42.5	32.6	49.0

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:21 AM



#4

n-Nitrosodimethylamine

Concen: 41.898 ng

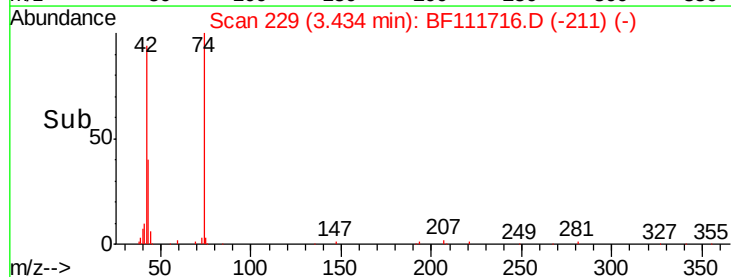
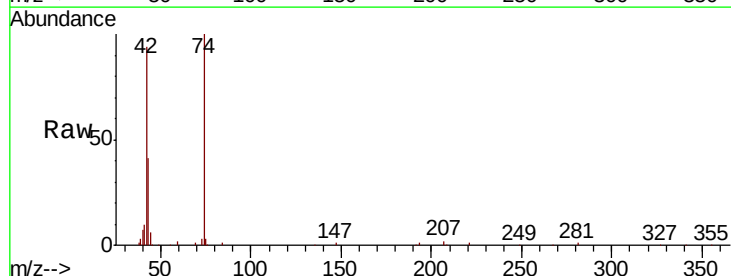
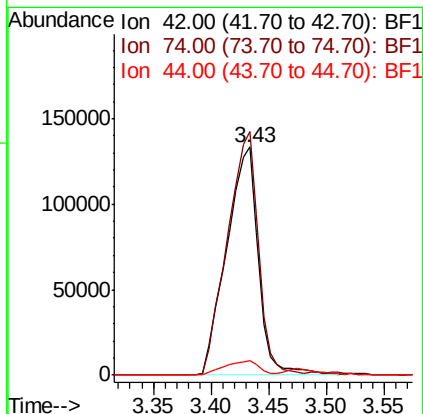
RT: 3.43 min Scan# 229

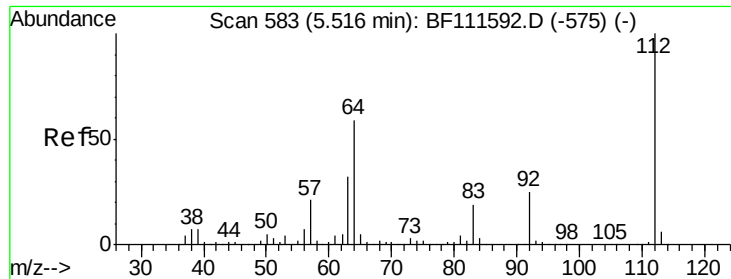
Delta R.T. 0.01 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Tgt Ion:	42	Resp:	255036
Ion Ratio	Lower	Upper	
42	100		
74	106.8	101.5	152.3
44	6.4	6.0	9.0





#5

2-Fluorophenol

Concen: 117.987 ng

RT: 5.54 min Scan# 587

Delta R.T. 0.01 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Instrument :

BNA_F

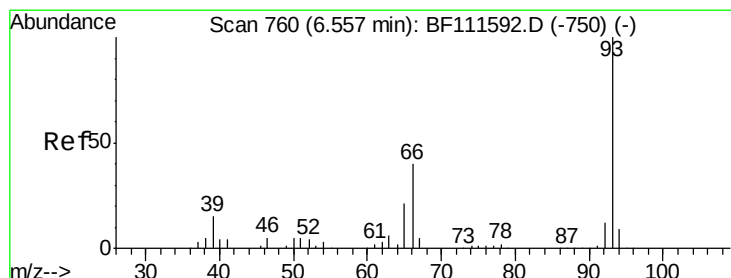
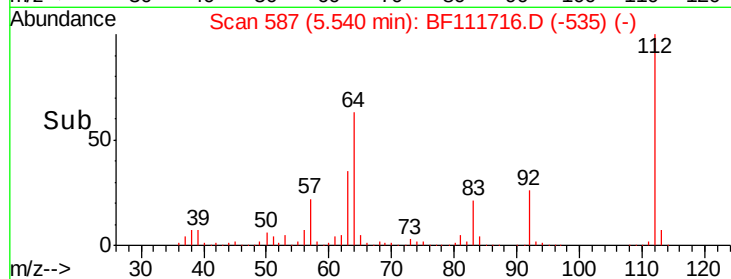
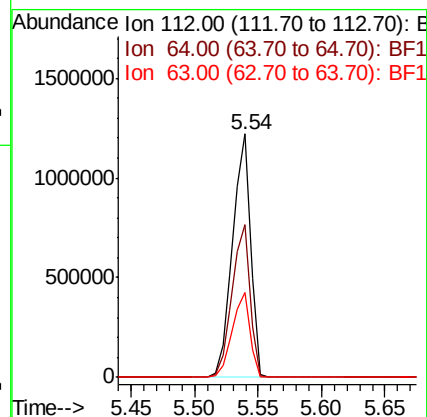
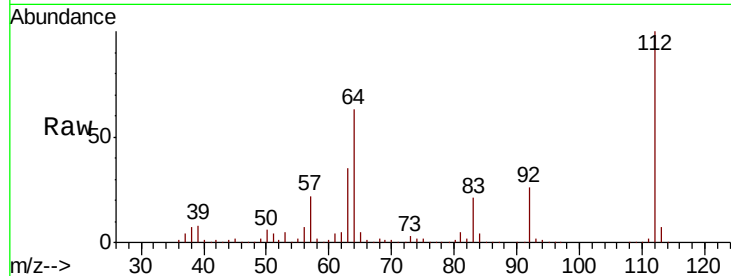
ClientSampleId :

S-1(5)MSD

Tot Ion:	112	Resp:	1197231
Ion Ratio	Lower	Upper	
112	100		
64	62.9	51.8	77.6
63	35.0	26.8	40.2

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:21 AM



#6

Aniline

Concen: 16.865 ng

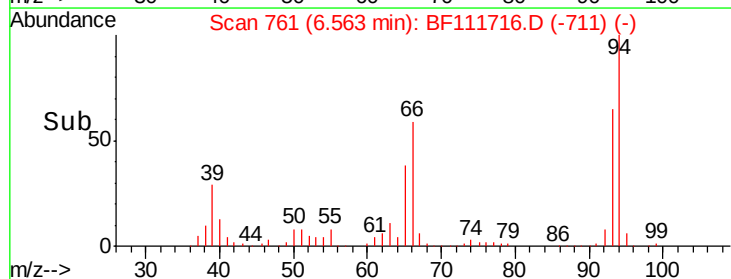
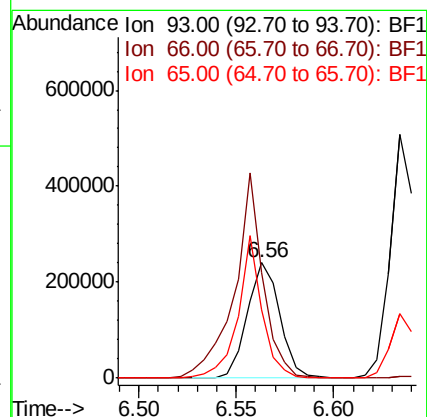
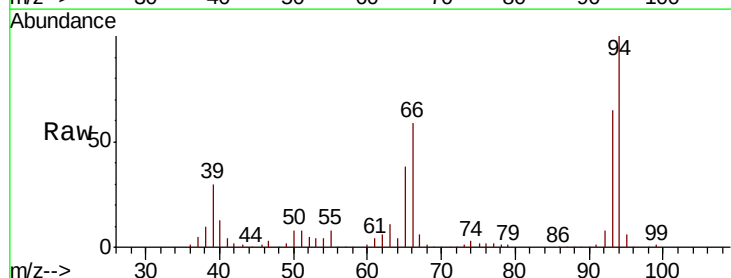
RT: 6.56 min Scan# 761

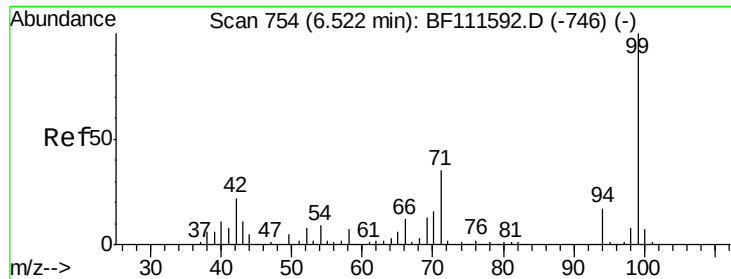
Delta R.T. -0.01 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Tgt Ion:	93	Resp:	277608
Ion Ratio	Lower	Upper	
93	100		
66	91.3	33.2	49.8#
65	58.9	17.0	25.4#





#7

Phenol-d6

Concen: 122.512 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Instrument :

BNA_F

ClientSampled :

S-1(5)MSD

Tot Ion: 99 Resp: 1582091

Ion Ratio Lower Upper

99 100

42 22.7 17.4 26.0

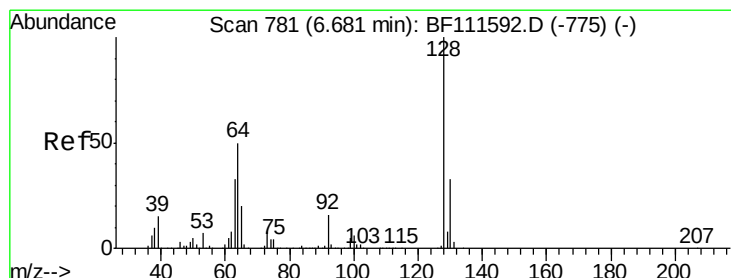
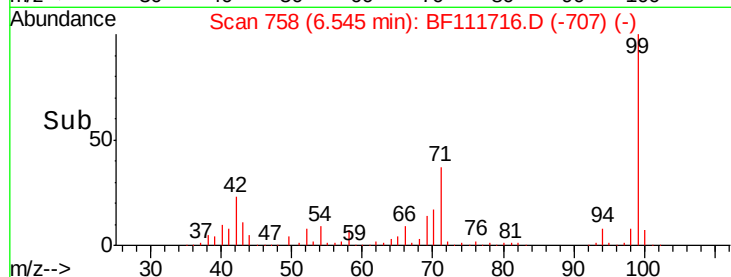
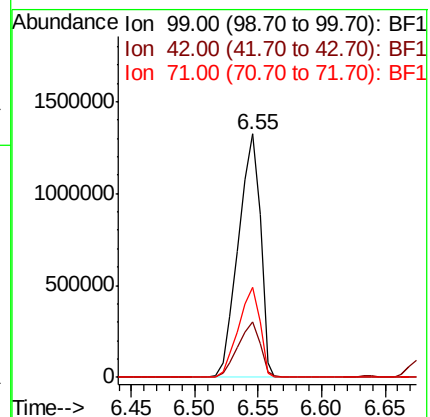
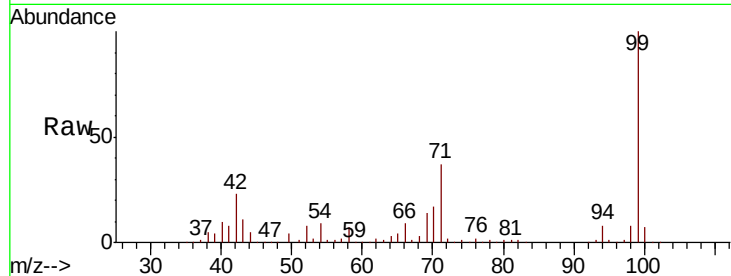
71 37.1 26.1 39.1

Manual Integrations

APPROVED

Sohil

12/27/2018 8:22:21 AM



#8

2-Chlorophenol

Concen: 41.250 ng

RT: 6.69 min Scan# 783

Delta R.T. -0.00 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

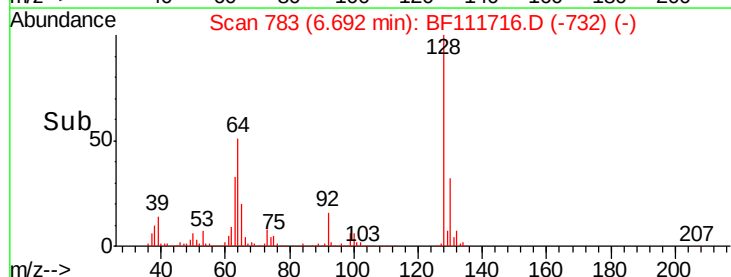
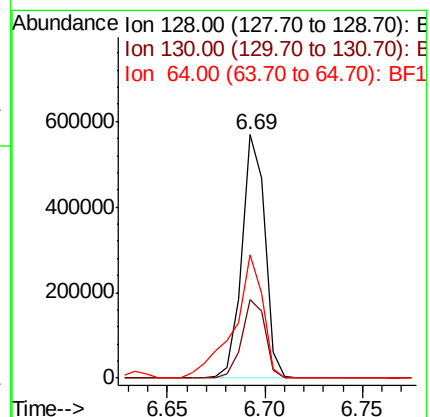
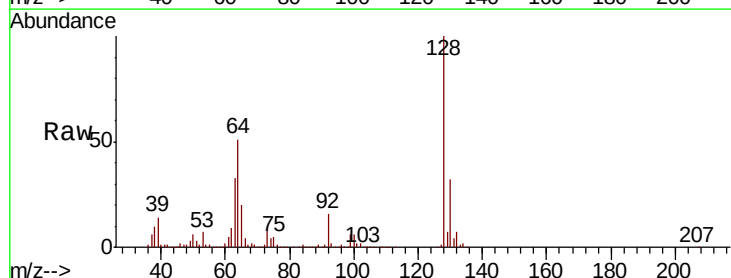
Tgt Ion: 128 Resp: 463664

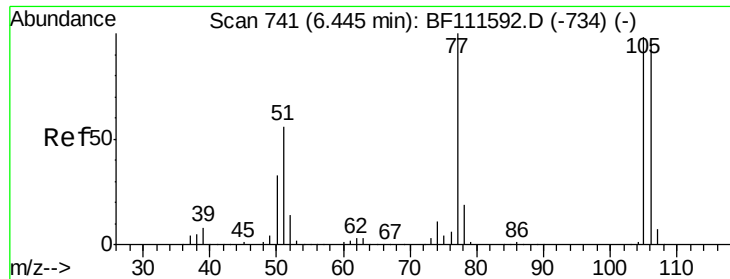
Ion Ratio Lower Upper

128 100

130 32.4 12.7 52.7

64 50.5 30.0 70.0





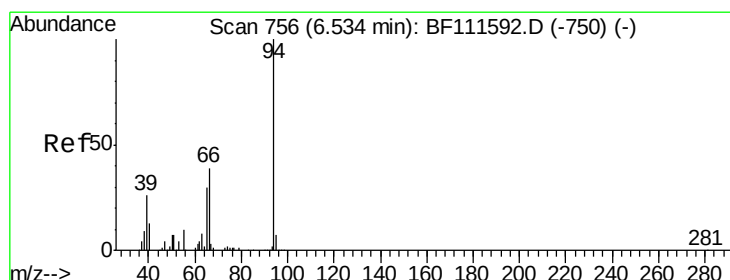
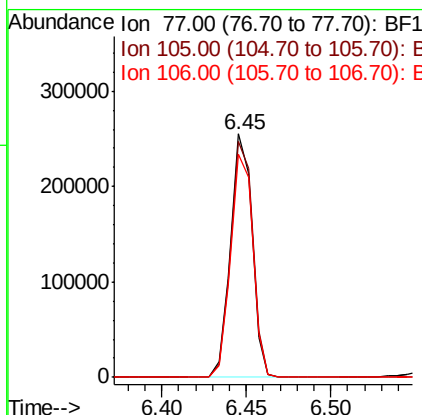
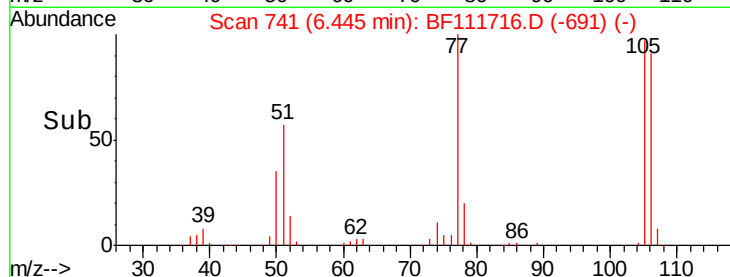
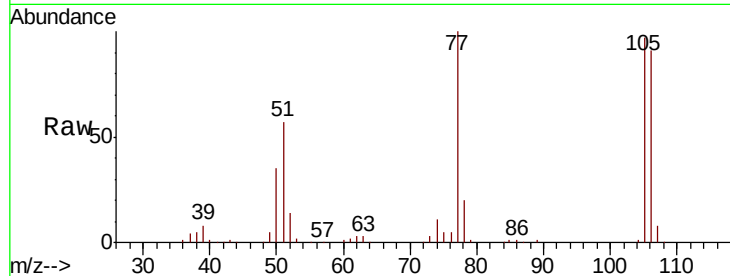
#9
Benzaldehyde
Concen: 25.345 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
77	100	225099		
105	96.9	81.4	121.4	
106	91.5	77.9	117.9	

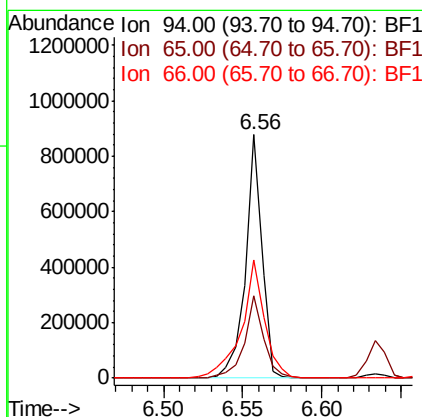
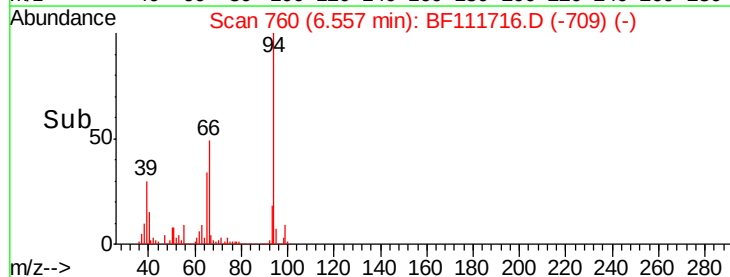
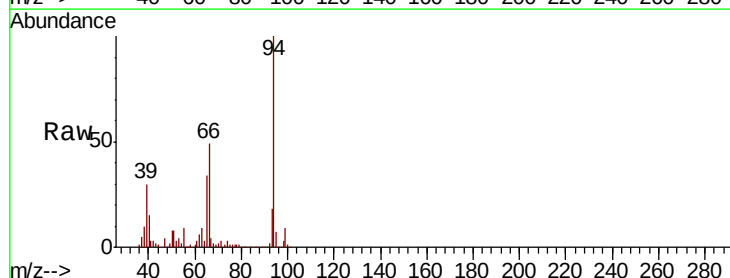
Manual Integrations
APPROVED

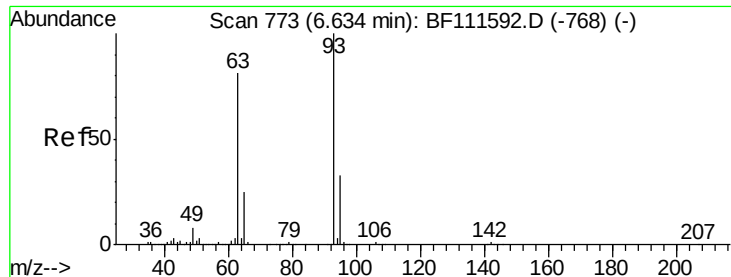
Sohil
12/27/2018 8:22:21 AM



#10
Phenol
Concen: 42.884 ng
RT: 6.56 min Scan# 760
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	624849		
65	33.8	11.7	51.7	
66	48.7	21.0	61.0	





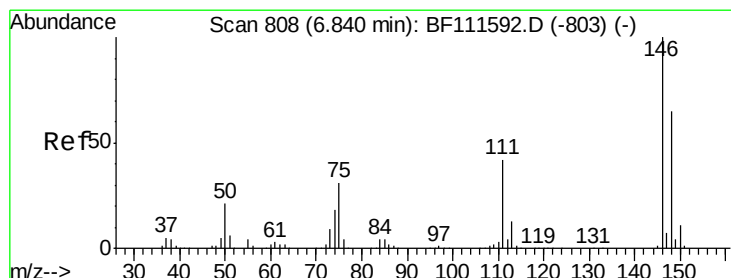
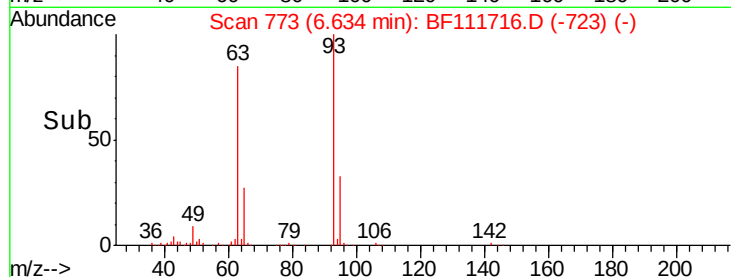
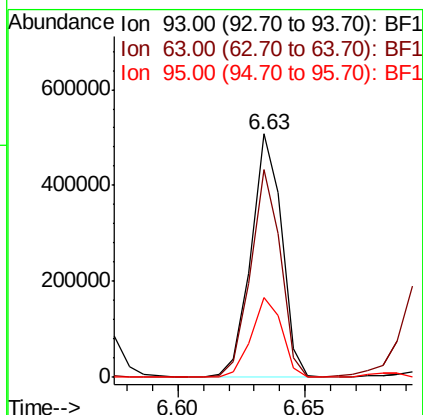
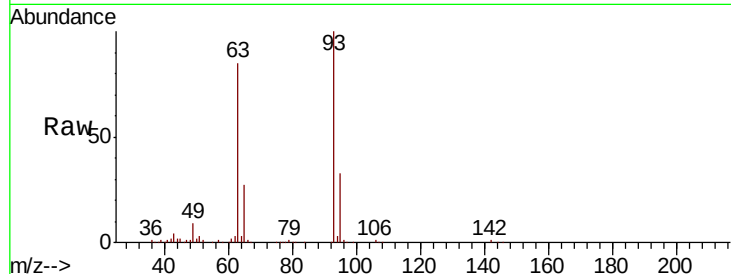
#11
bis(2-Chloroethyl)ether
Concen: 39.088 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		426784		
63	85.4	60.0	100.0		
95	32.7	13.4	53.4		

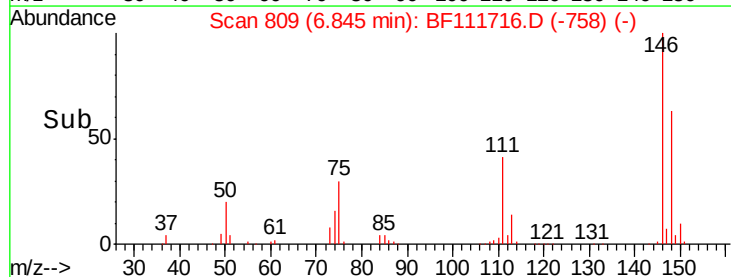
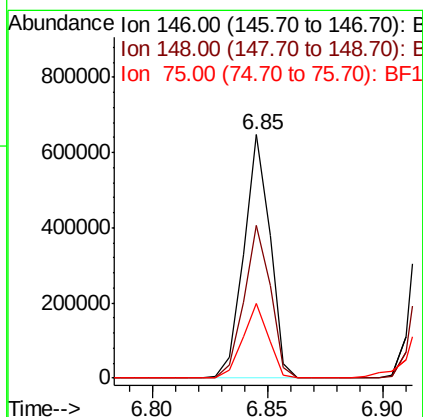
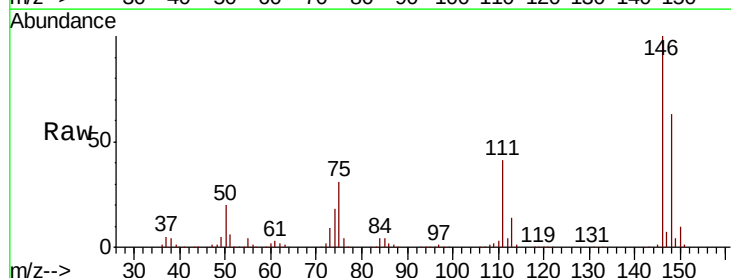
Manual Integrations
APPROVED

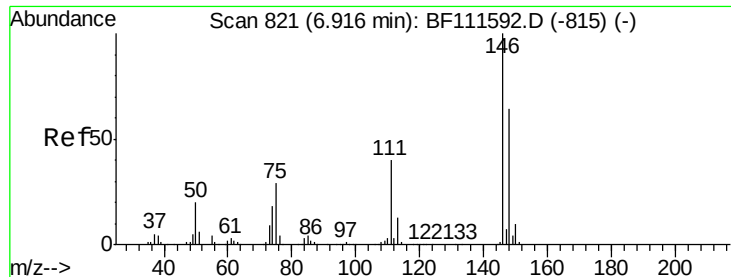
Sohil
12/27/2018 8:22:21 AM



#12
1,3-Dichlorobenzene
Concen: 39.446 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		513837		
148	62.6	52.1	78.1		
75	30.6	23.9	35.9		





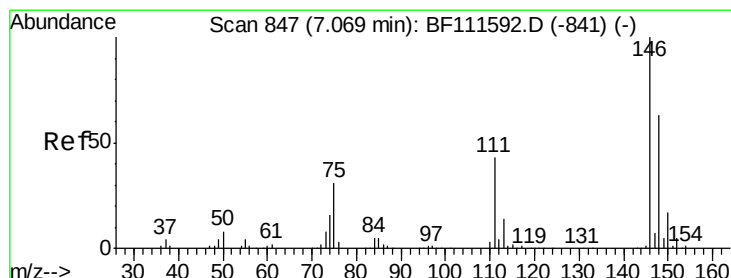
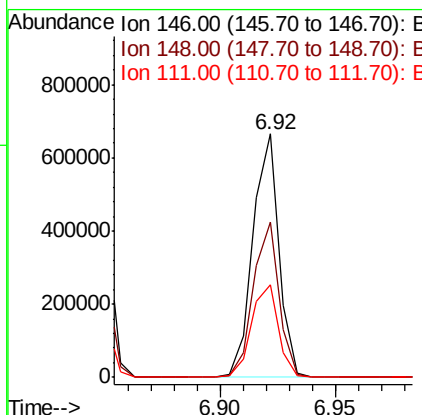
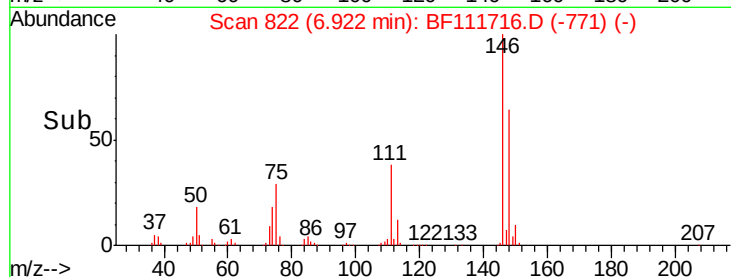
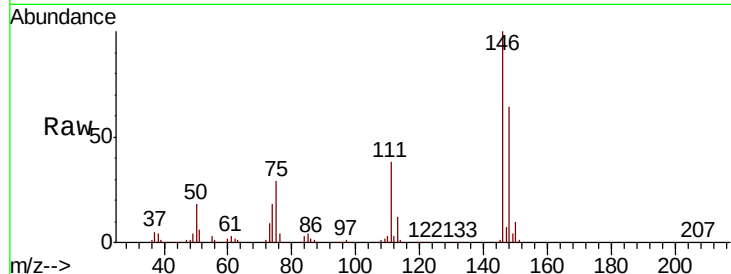
#13
1,4-Dichlorobenzene
Concen: 39.654 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.8	79.2
111	37.8	33.4	50.0

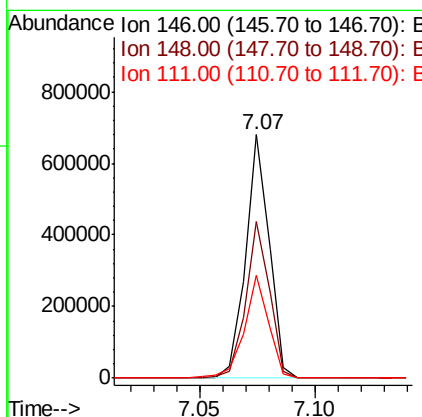
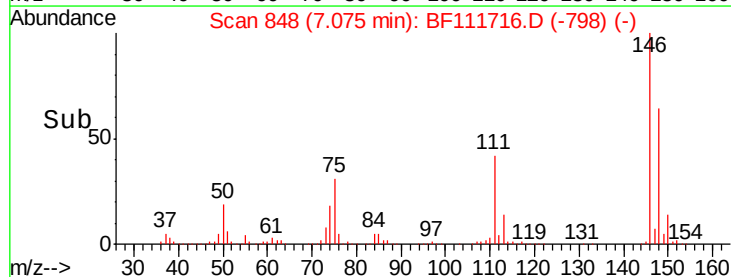
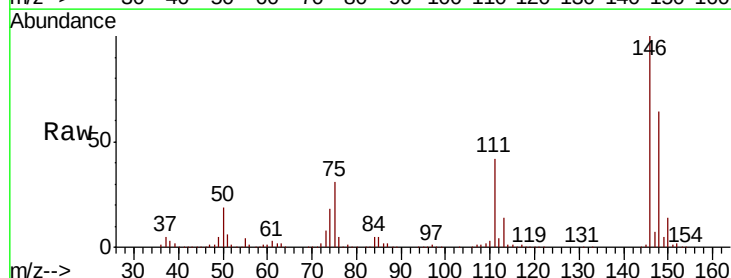
Manual Integrations
APPROVED

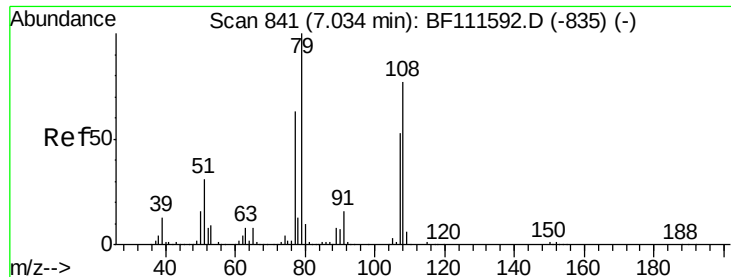
Sohil
12/27/2018 8:22:21 AM



#14
1,2-Dichlorobenzene
Concen: 39.399 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.9	77.9
111	42.4	36.2	54.4





#15

Benzyl Alcohol

Concen: 41.585 ng

RT: 7.04 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Instrument :

BNA_F

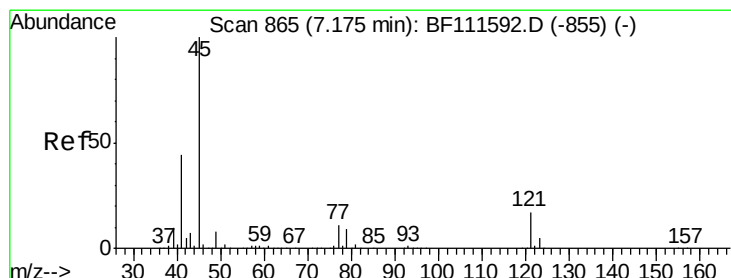
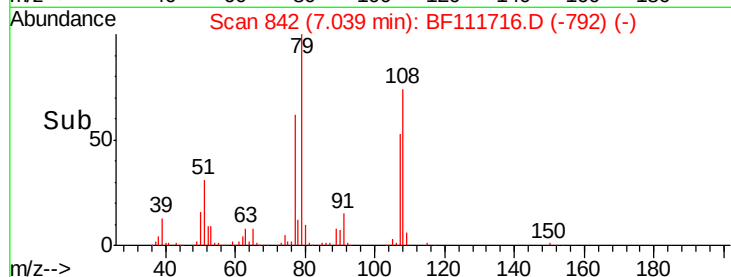
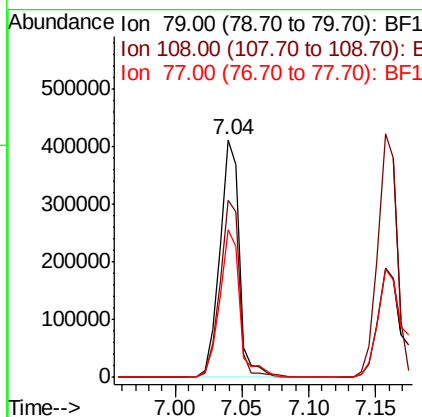
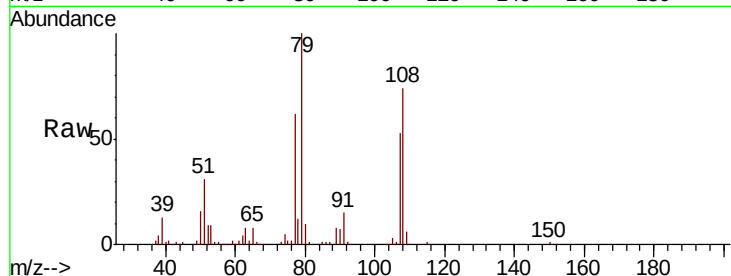
ClientSampled :

S-1(5)MSD

Tot Ion:	79	Resp:	426495
Ion	Ratio	Lower	Upper
79	100		
108	74.2	69.4	104.2
77	62.3	49.7	74.5

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:21 AM



#16

2,2'-oxybis(1-chloropropane)

Concen: 36.668 ng

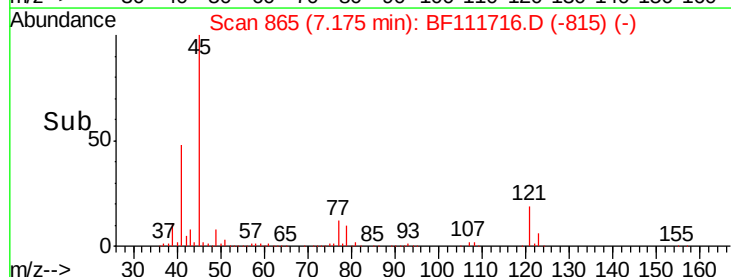
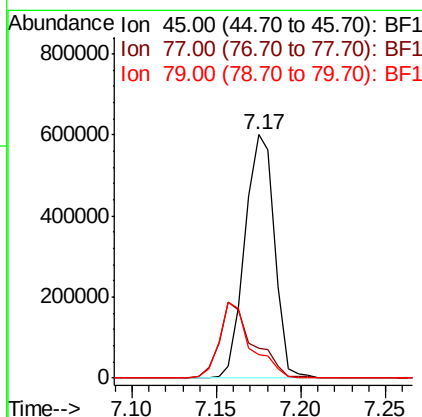
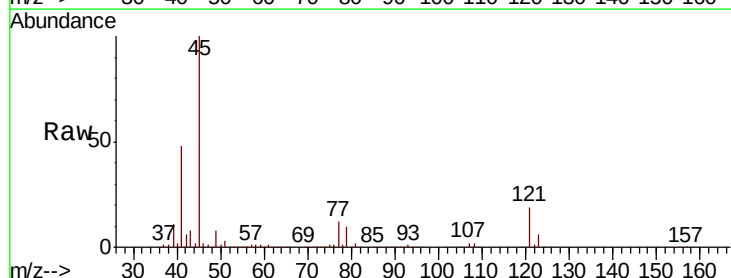
RT: 7.17 min Scan# 865

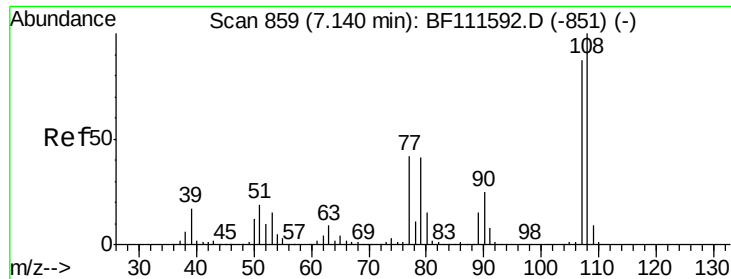
Delta R.T. -0.01 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Tgt Ion:	45	Resp:	737356
Ion	Ratio	Lower	Upper
45	100		
77	12.4	0.0	31.5
79	9.5	0.0	28.9





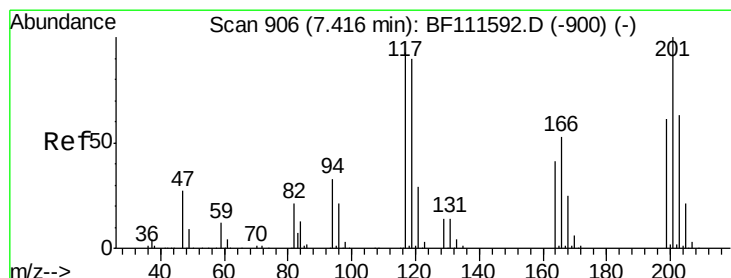
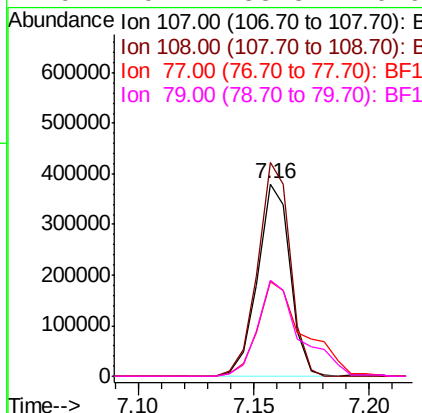
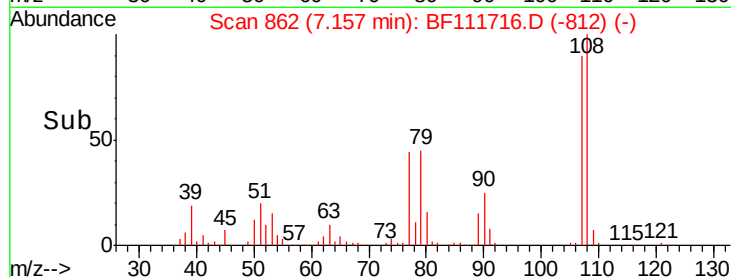
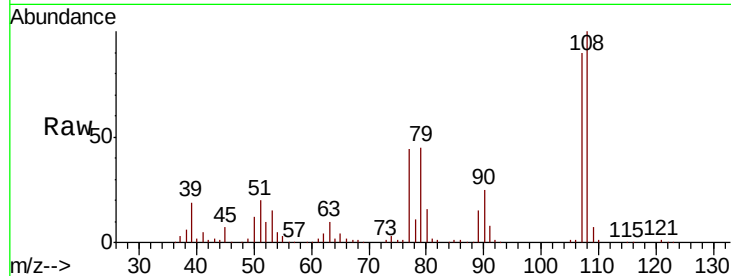
#17
2-Methylphenol
Concen: 41.549 ng
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	107	Resp	373962
Ion Ratio	Lower	Upper	
107	100		
108	111.2	91.0	136.4
77	49.1	33.5	50.3
79	49.7	33.3	49.9

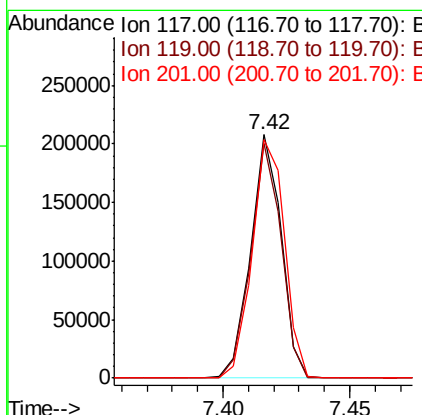
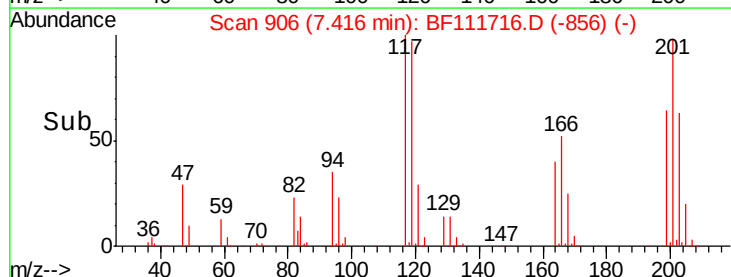
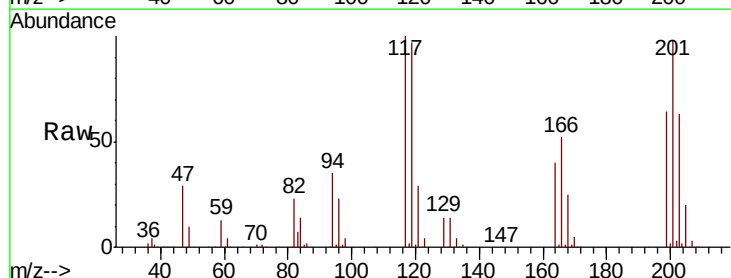
Manual Integrations
APPROVED

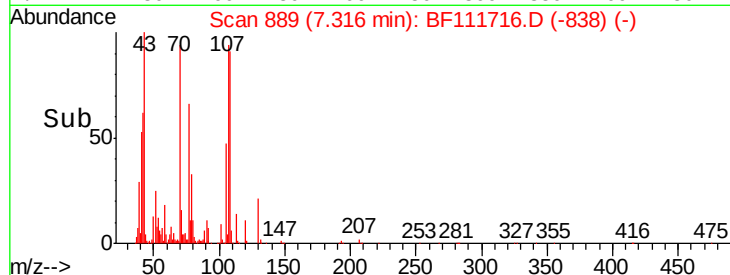
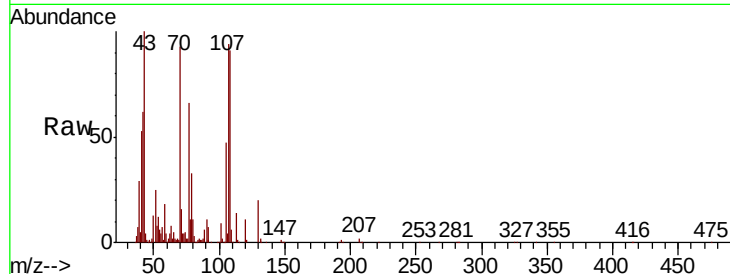
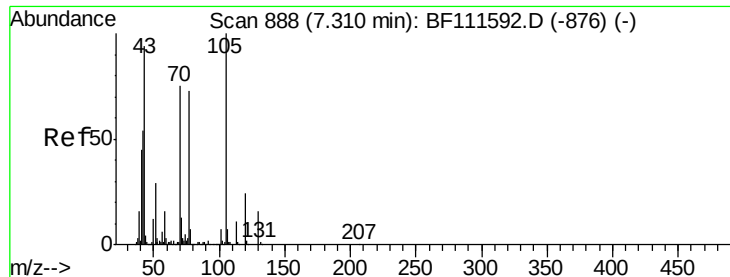
Sohil
12/27/2018 8:22:21 AM



#18
Hexachloroethane
Concen: 39.460 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	117	Resp	175672
Ion Ratio	Lower	Upper	
117	100		
119	96.5	75.4	113.0
201	97.9	62.4	93.6#





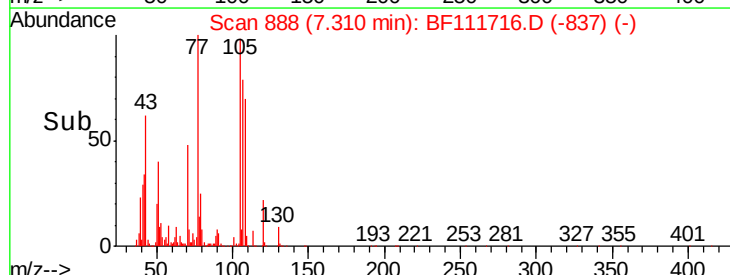
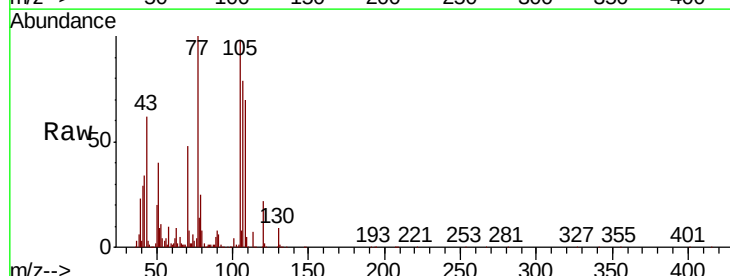
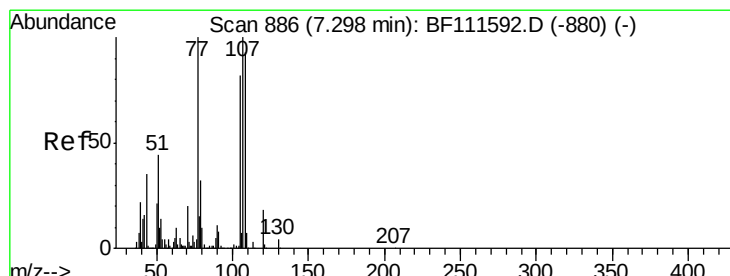
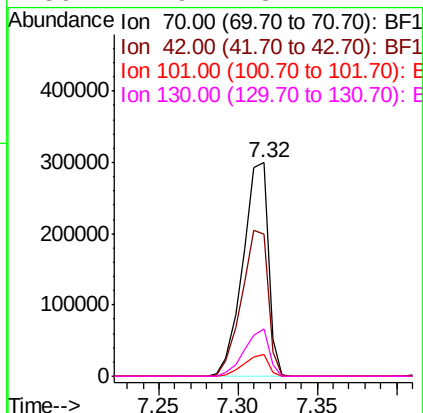
#19
n-Nitroso-di-n-propylamine
Concen: 38.783 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	66.4	53.2	79.8	
101	10.0	8.2	12.4	
130	21.9	18.1	27.1	

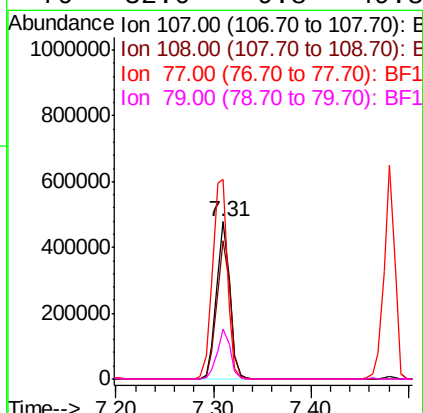
Manual Integrations
APPROVED

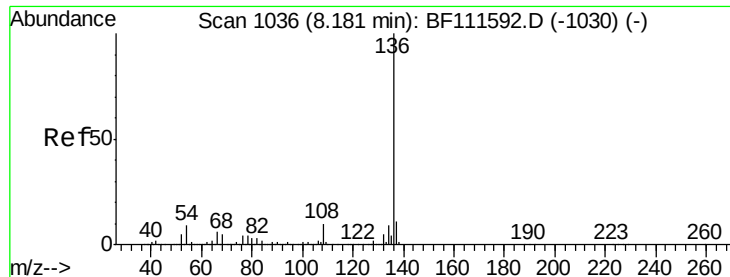
Sohil
12/27/2018 8:22:21 AM



#20
3+4-Methylphenols
Concen: 40.210 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.3	72.1	112.1	
77	126.9	94.1	134.1	
79	32.0	9.8	49.8	





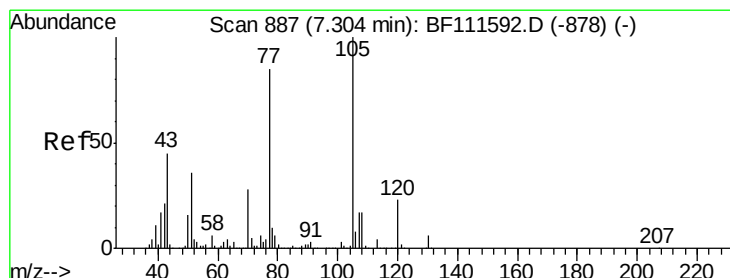
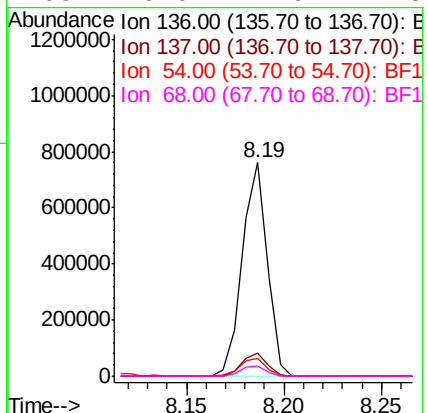
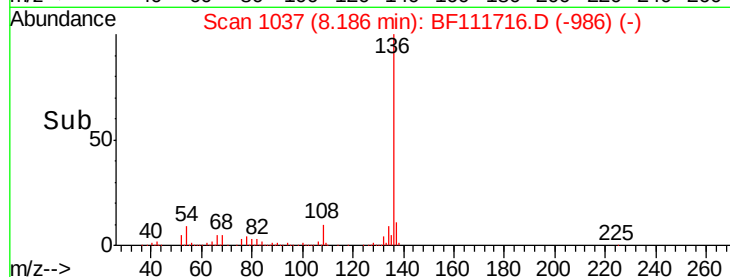
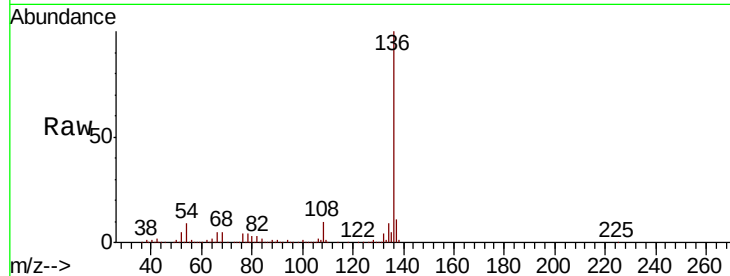
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	673283		
137	10.7		9.1	13.7
54	8.7		7.7	11.5
68	5.0		4.9	7.3

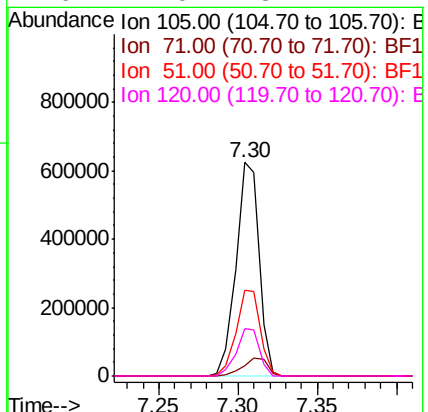
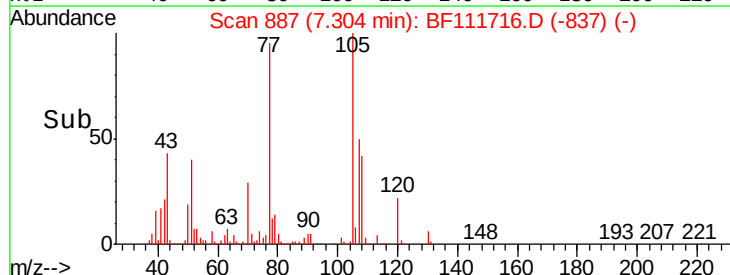
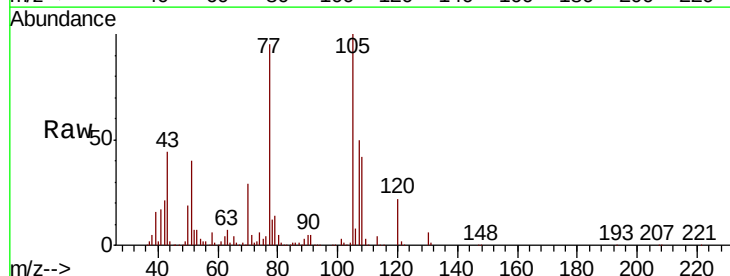
Manual Integrations
APPROVED

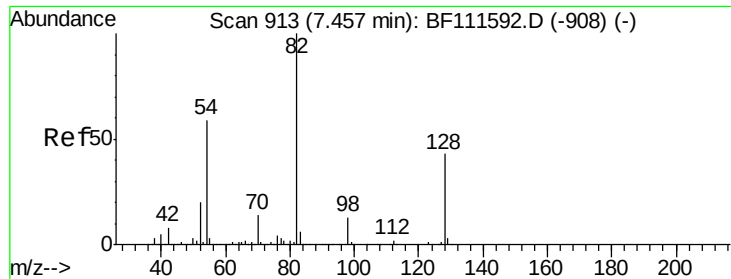
Sohil
12/27/2018 8:22:21 AM



#22
Acetophenone
Concen: 36.872 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	628928		
71	5.0		3.1	4.7#
51	40.4		36.6	54.8
120	22.0		18.2	27.4





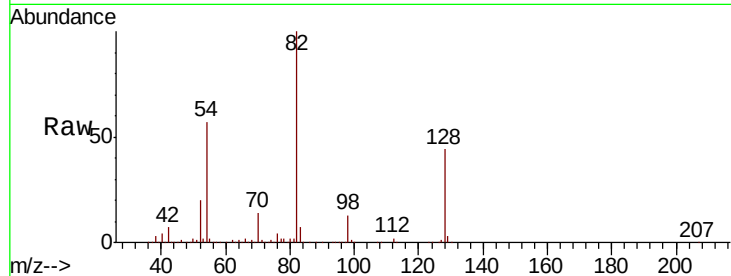
#23
 Nitrobenzene-d5
 Concen: 87.798 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: BF111716.D
 Acq: 26 Dec 2018 15:17

Instrument :
 BNA_F
 ClientSampleId :
 S-1(5)MSD

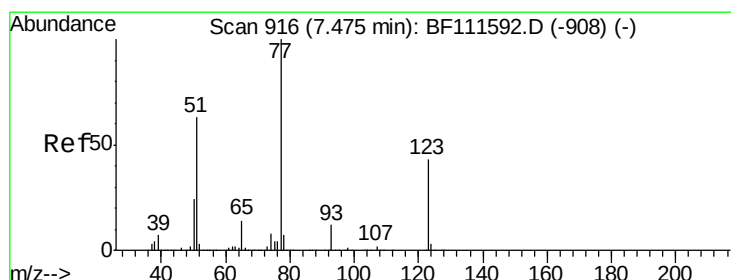
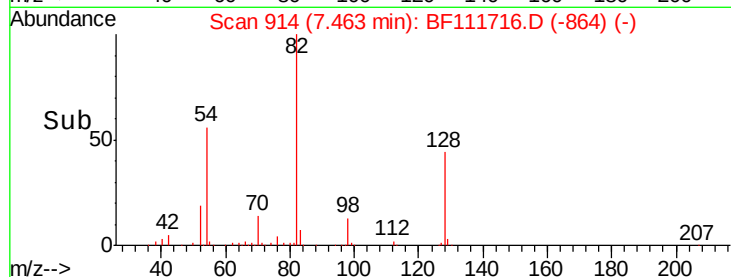
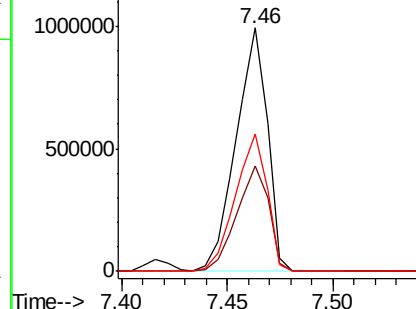
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.5	37.4	56.2
54	56.6	47.6	71.4

Manual Integrations
 APPROVED

Sohil
 12/27/2018 8:22:21 AM

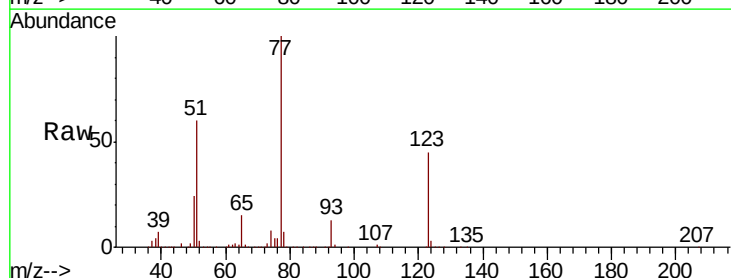


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

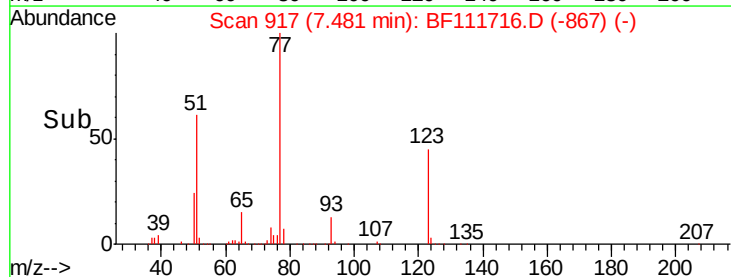
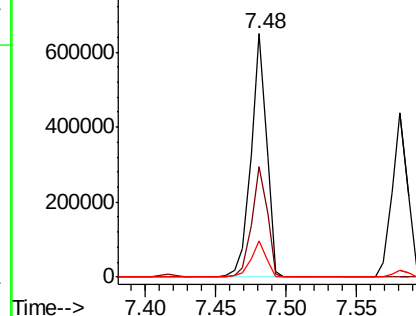


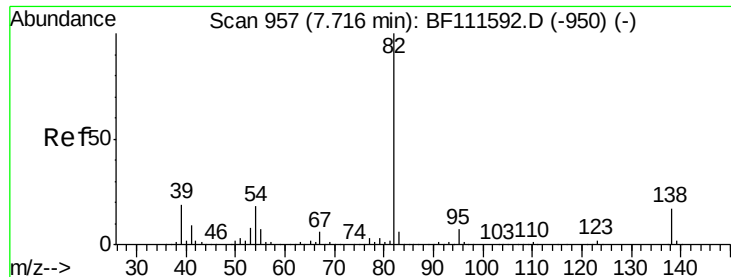
#24
 Nitrobenzene
 Concen: 41.227 ng
 RT: 7.48 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BF111716.D
 Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.2	37.2	55.8
65	14.7	11.5	17.3



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 43.083 ng

RT: 7.72 min Scan# 958

Delta R.T. -0.00 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Instrument :

BNA_F

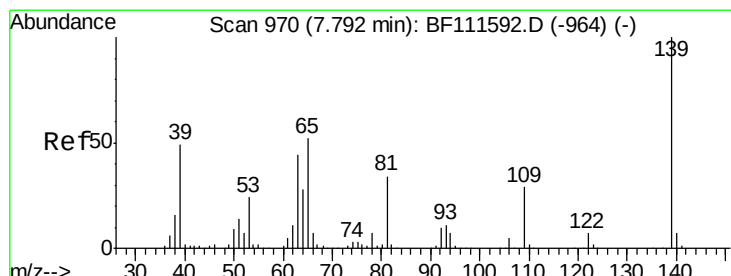
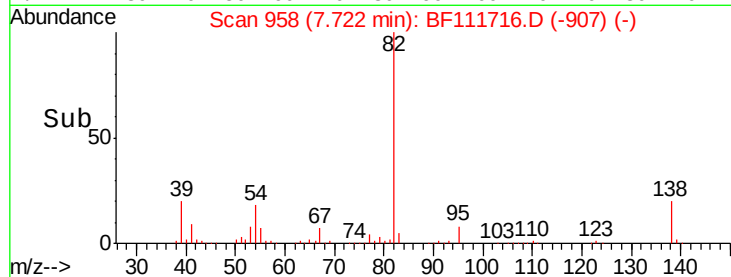
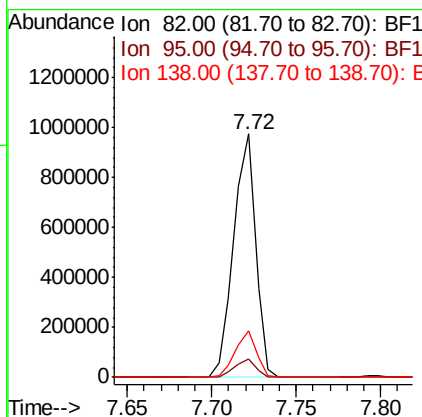
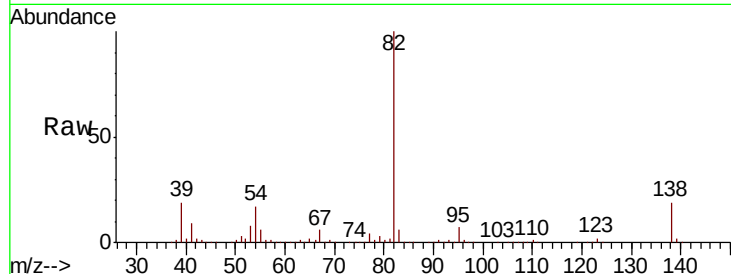
ClientSampleId :

S-1(5)MSD

Tot Ion:	82	Resp:	884699
Ion Ratio		Lower	Upper
82	100		
95	7.4	5.4	8.2
138	18.9	15.1	22.7

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:21 AM



#26

2-Nitrophenol

Concen: 48.806 ng

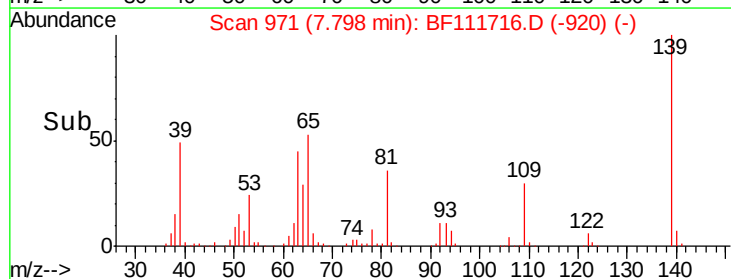
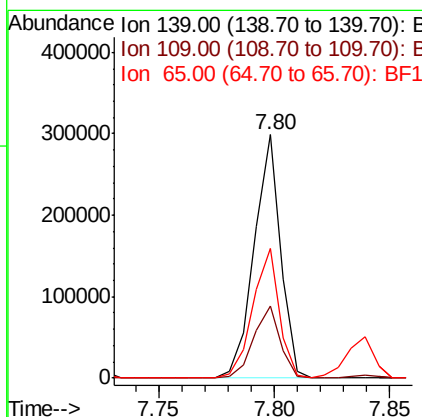
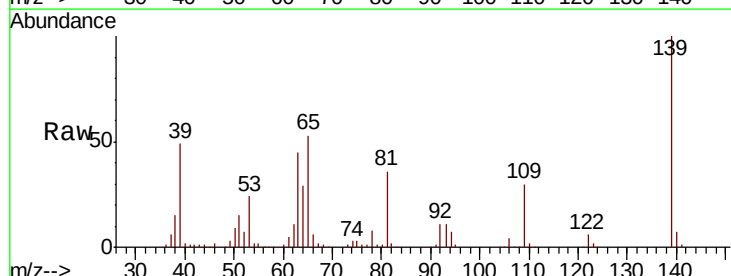
RT: 7.80 min Scan# 971

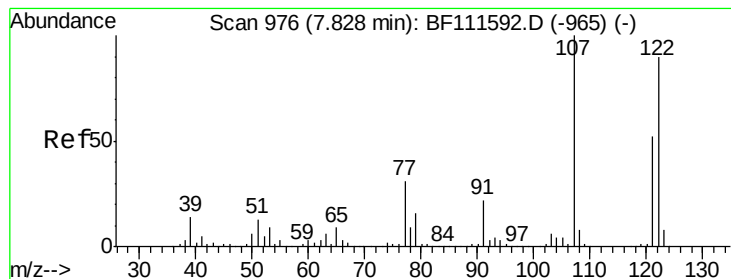
Delta R.T. -0.00 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Tgt Ion:	139	Resp:	239969
Ion Ratio		Lower	Upper
139	100		
109	29.7	20.2	30.4
65	53.2	40.7	61.1





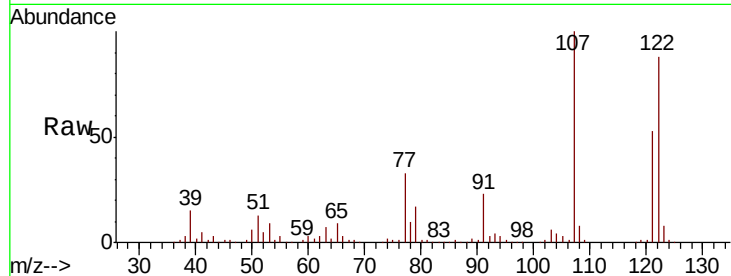
#27
 2,4-Dimethylphenol
 Concen: 41.115 ng
 RT: 7.84 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: BF111716.D
 Acq: 26 Dec 2018 15:17

Instrument :
 BNA_F
 ClientSampleId :
 S-1(5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	398502		
107	113.8	85.5	128.3	
121	60.0	46.6	70.0	

Manual Integrations
 APPROVED

Sohil
 12/27/2018 8:22:21 AM

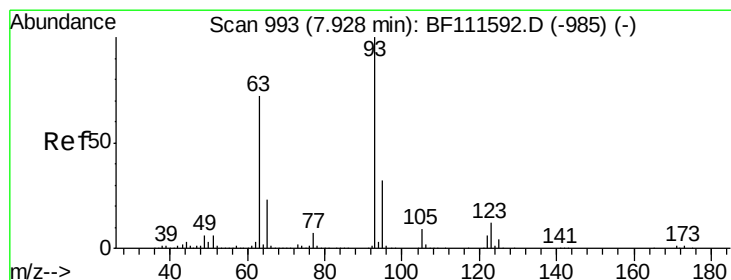
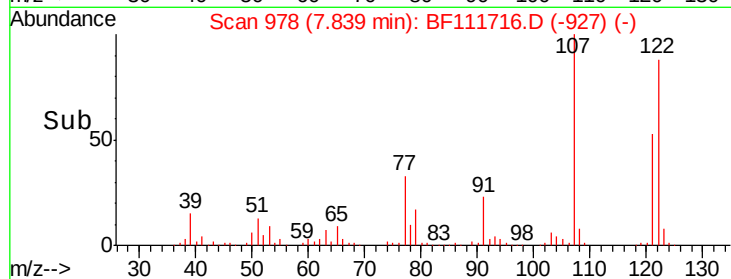
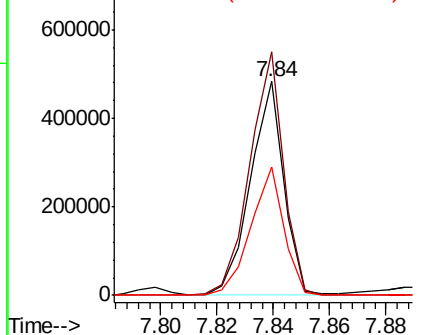


Abundance

Ion 122.00 (121.70 to 122.70): E

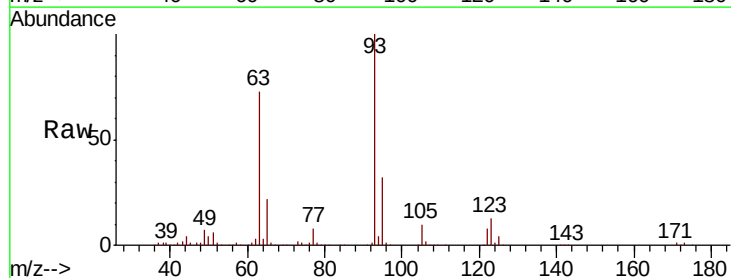
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 40.723 ng
 RT: 7.93 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF111716.D
 Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	556470		
95	32.4	27.1	40.7	
123	12.6	9.9	14.9	

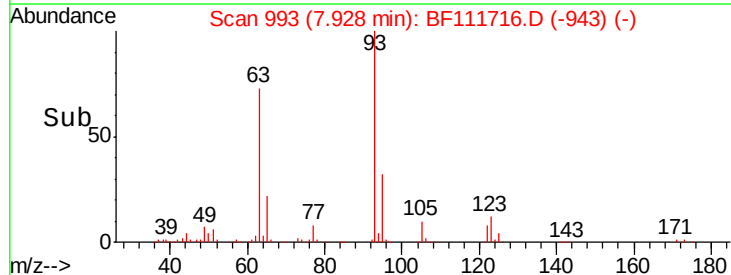
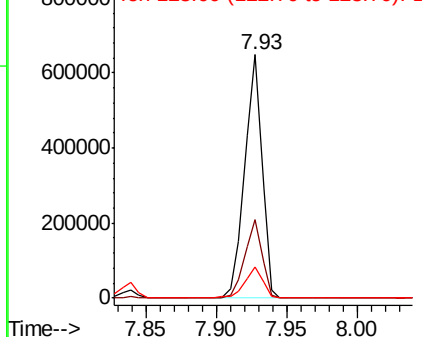


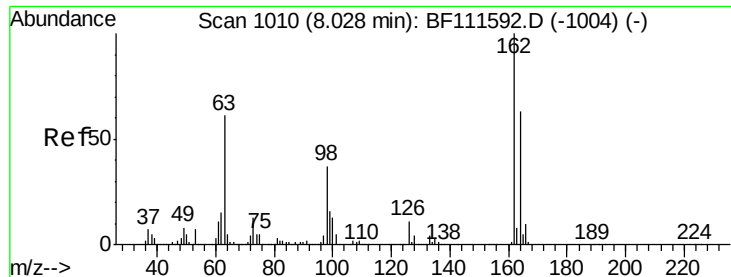
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





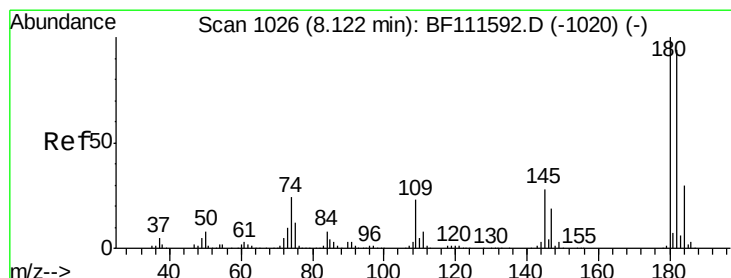
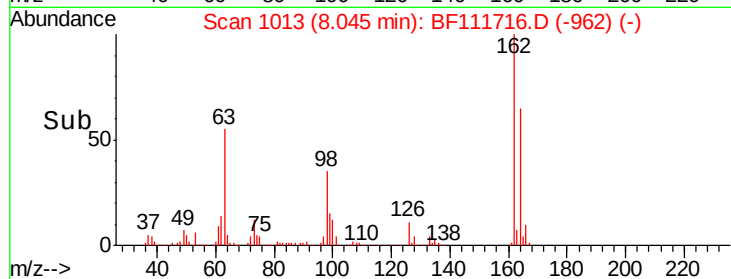
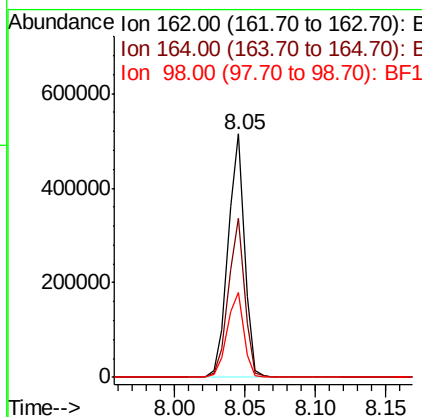
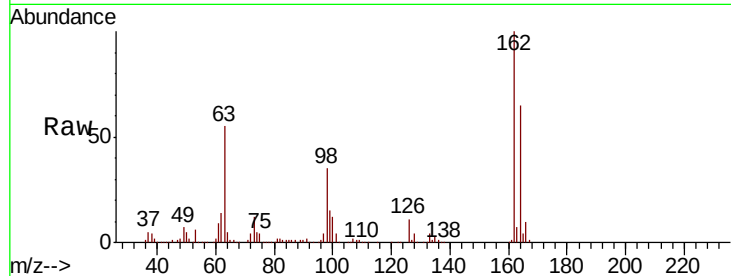
#29
2,4-Dichlorophenol
Concen: 40.137 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	418428		
164	65.3	44.4	84.4	
98	35.0	20.3	60.3	

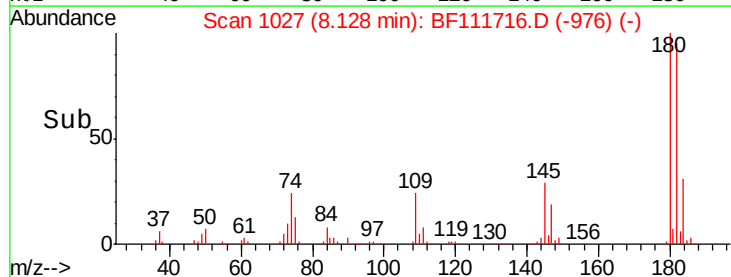
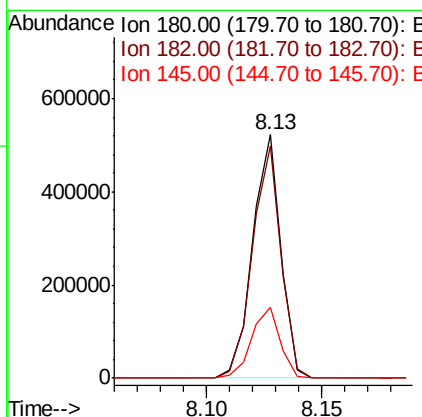
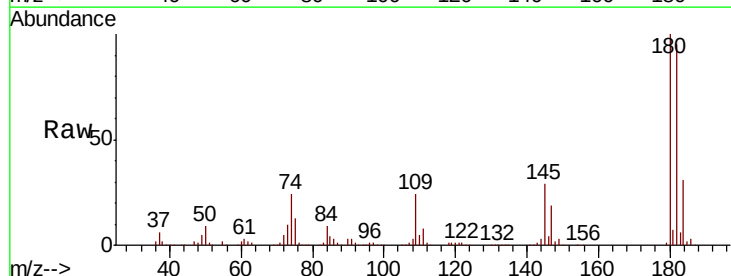
Manual Integrations
APPROVED

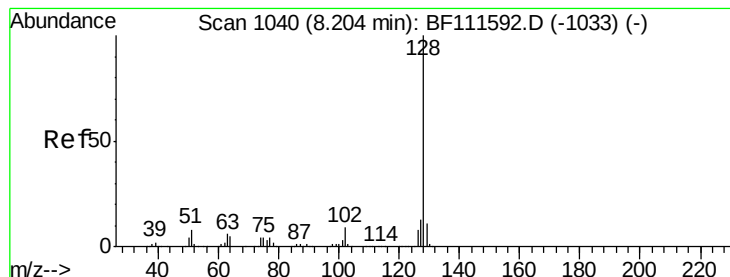
Sohil
12/27/2018 8:22:21 AM



#30
1,2,4-Trichlorobenzene
Concen: 38.399 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	446089		
182	95.1	75.6	113.4	
145	28.9	26.7	40.1	





#31

Naphthalene

Concen: 41.370 ng

RT: 8.21 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Instrument :

BNA_F

ClientSampleId :

S-1(5)MSD

Tot Ion:128 Resp: 1338341

Ion Ratio Lower Upper

128 100

129 11.5 9.8 14.8

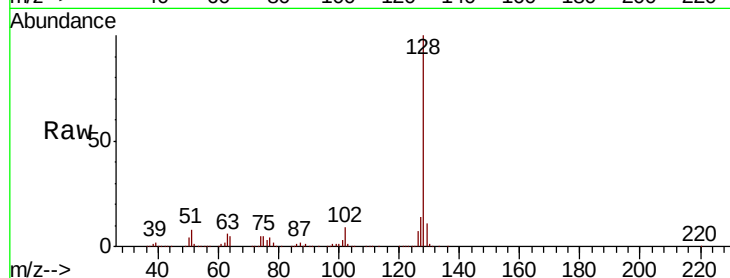
127 13.5 12.0 18.0

Manual Integrations

APPROVED

Sohil

12/27/2018 8:22:21 AM

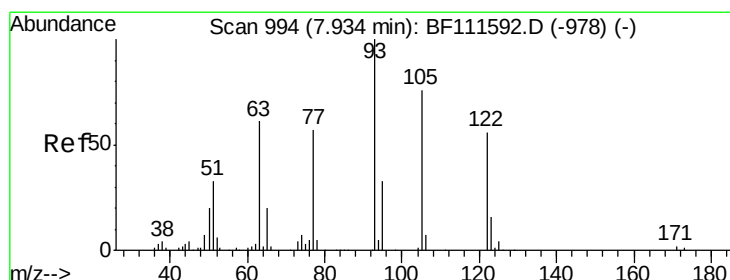
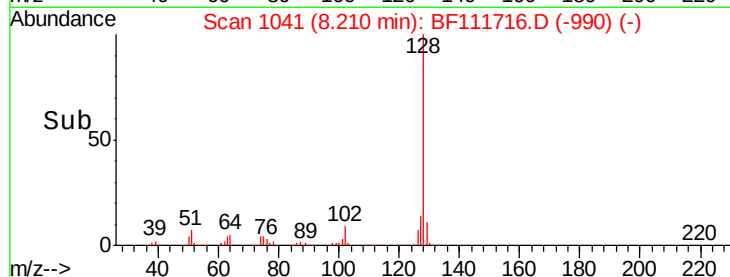
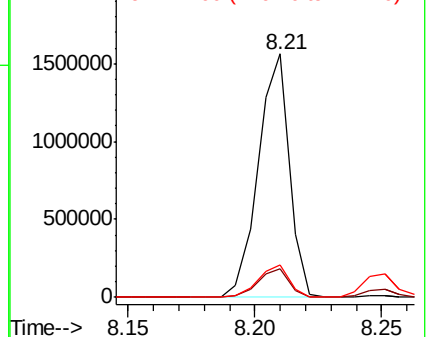


Abundance

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: 22.665 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.02 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

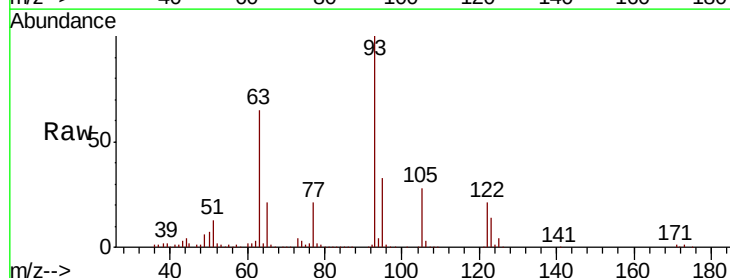
Tgt Ion:122 Resp: 145245

Ion Ratio Lower Upper

122 100

105 130.1 97.0 137.0

77 99.7 65.7 105.7

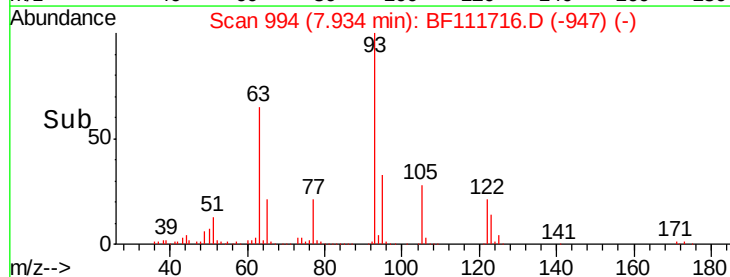
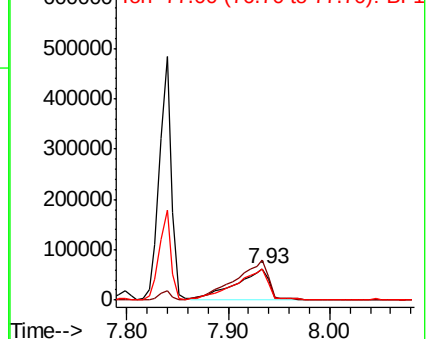


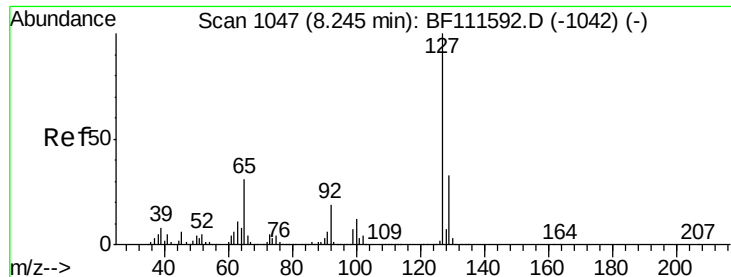
Abundance

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





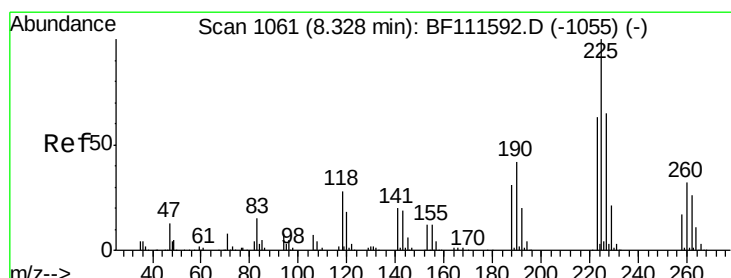
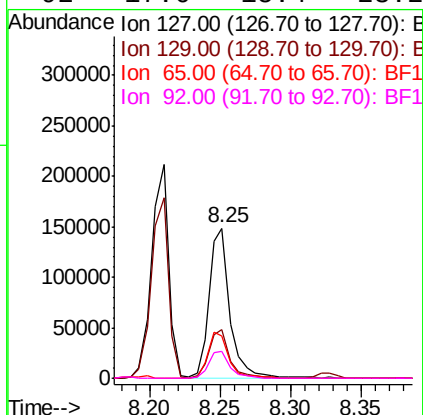
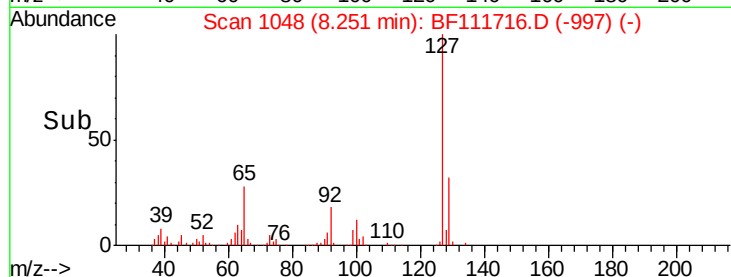
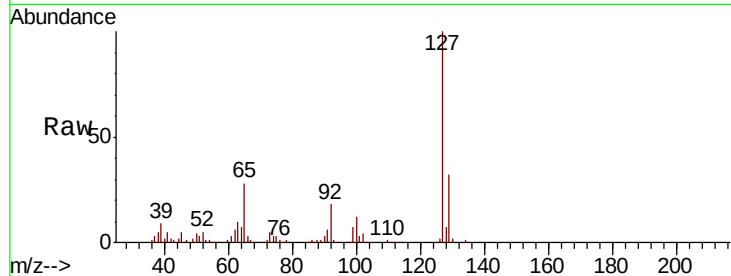
#33
4-Chloroaniline
Concen: 10.772 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		150626		
129	32.4	26.6	39.8		
65	28.4	25.7	38.5		
92	17.6	15.4	23.2		

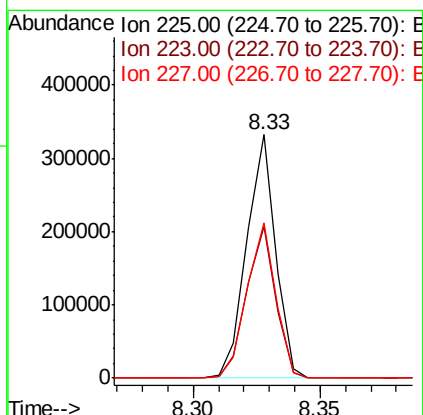
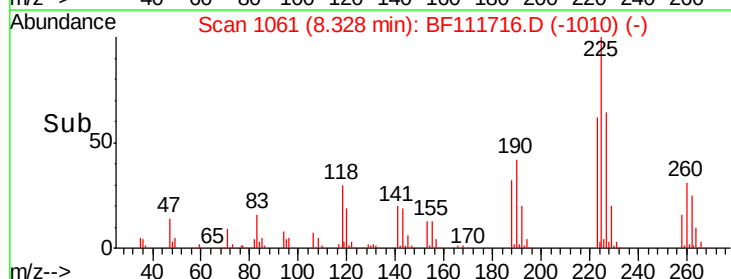
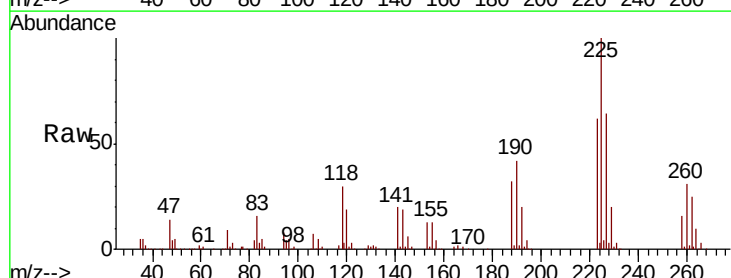
Manual Integrations
APPROVED

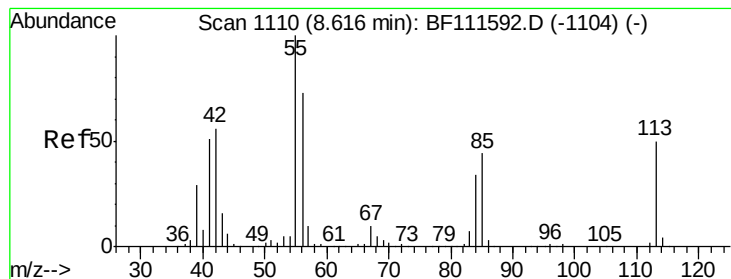
Sohil
12/27/2018 8:22:21 AM



#34
Hexachlorobutadiene
Concen: 37.130 ng
RT: 8.33 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		262887		
223	62.3	50.7	76.1		
227	63.9	52.6	78.8		





#35

Caprolactam

Concen: 36.620 ng/ml

RT: 8.61 min Scan# 1109

Delta R.T. -0.02 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Instrument :

BNA_F

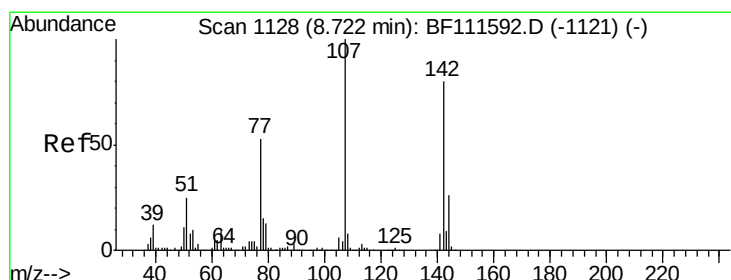
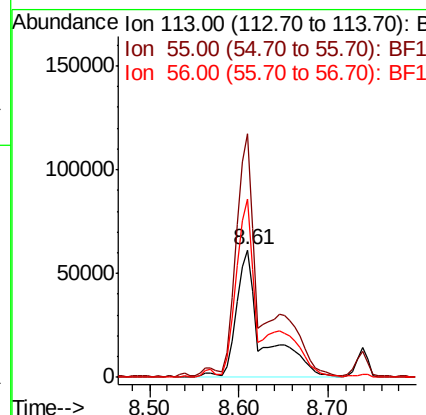
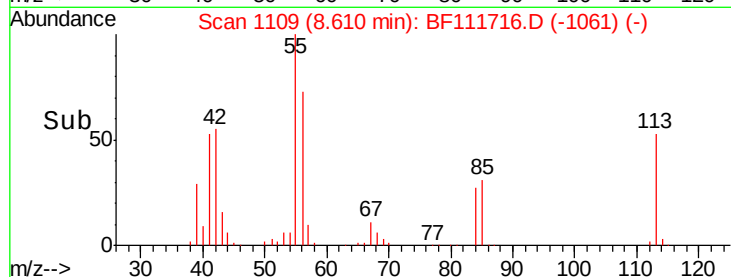
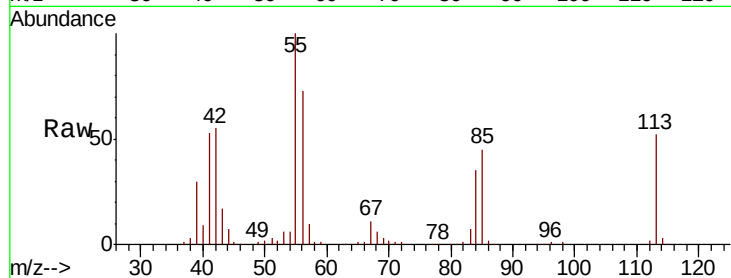
ClientSampleId :

S-1(5)MSD

Tot Ion:	113	Resp:	129361
Ion Ratio	Lower	Upper	
113	100		
55	190.8	184.1	224.1
56	139.4	126.0	166.0

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:21 AM



#36

4-Chloro-3-methylphenol

Concen: 40.761 ng/ml

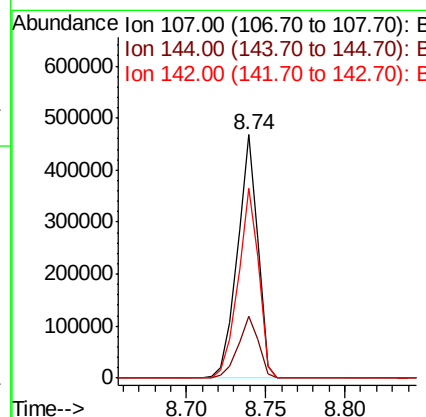
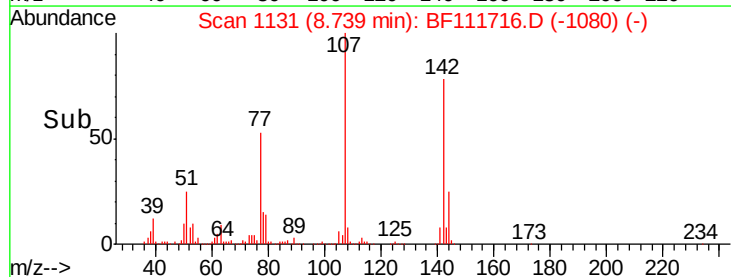
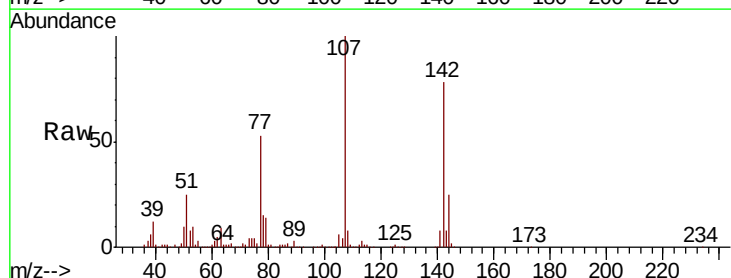
RT: 8.74 min Scan# 1131

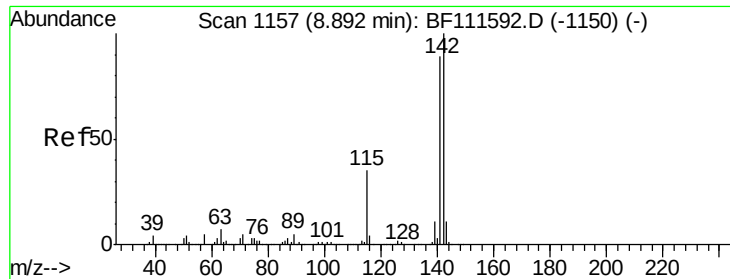
Delta R.T. -0.00 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Tgt Ion:	107	Resp:	417708
Ion Ratio	Lower	Upper	
107	100		
144	25.2	19.8	29.6
142	78.0	62.3	93.5





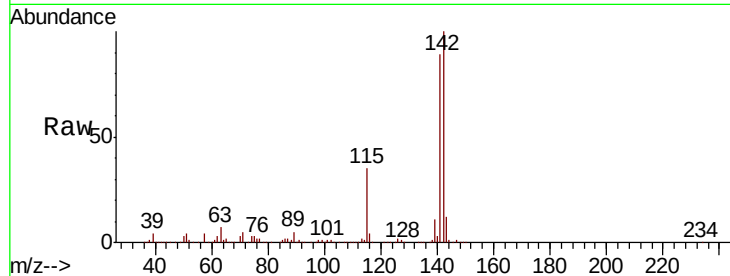
#37
2-Methylnaphthalene
Concen: 43.870 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.6	105.8
115	35.0	27.0	40.6

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:21 AM

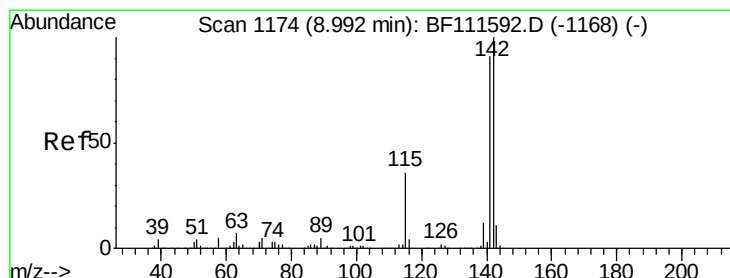
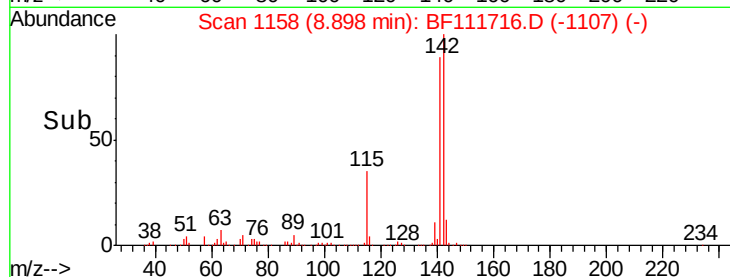
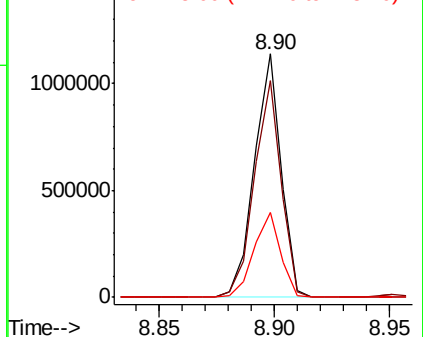


Abundance

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: 43.618 ng
RT: 9.00 min Scan# 1175
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

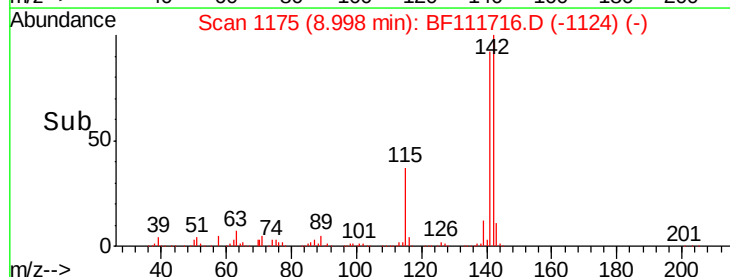
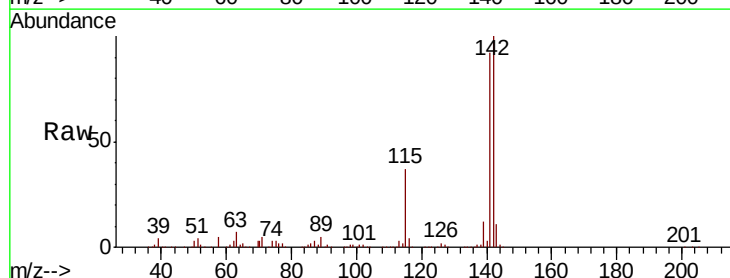
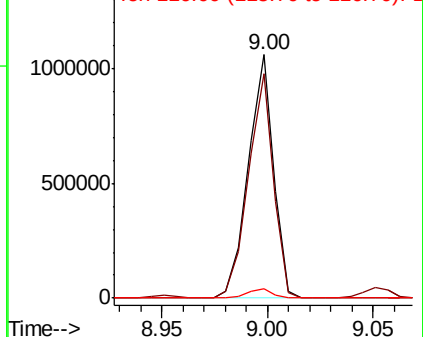
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	74.2	111.4
116	3.8	2.9	4.3

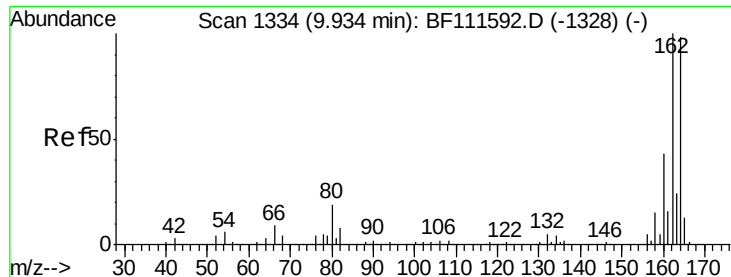
Abundance

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





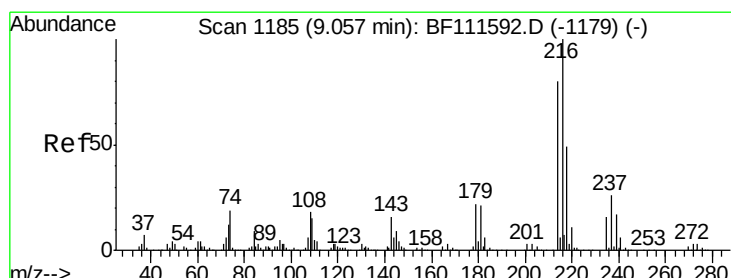
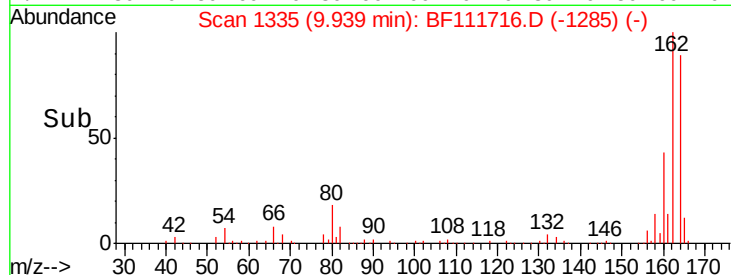
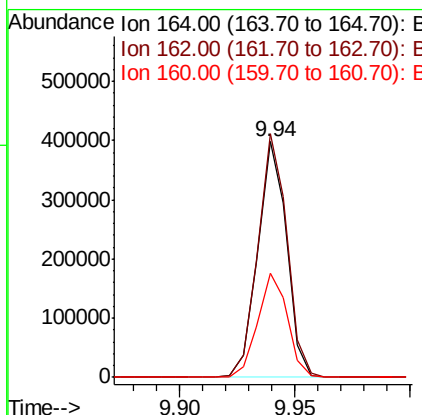
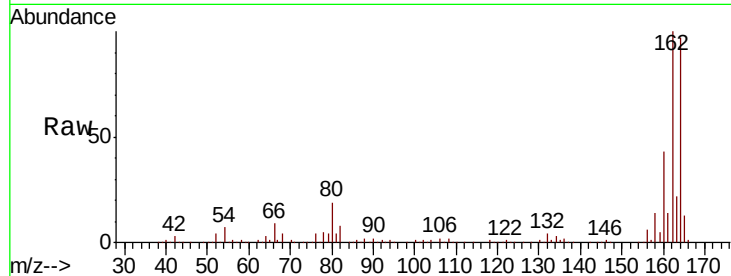
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.4	122.0
160	44.2	35.7	53.5

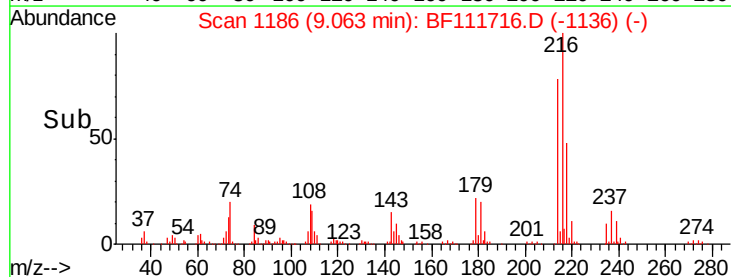
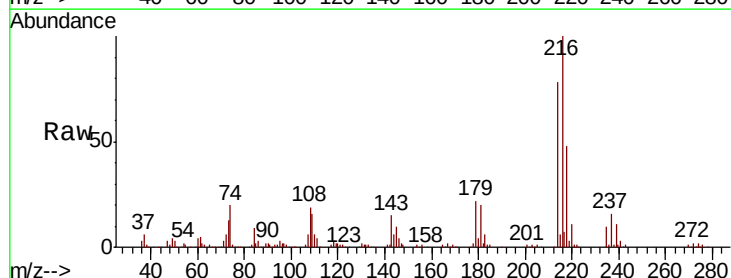
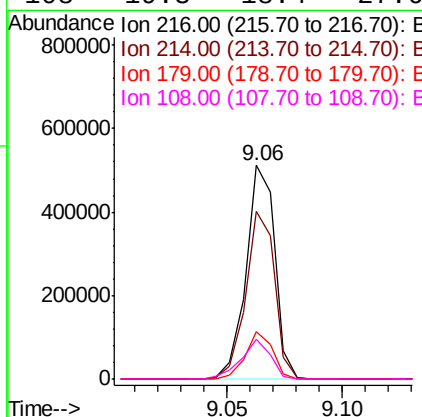
Manual Integrations
APPROVED

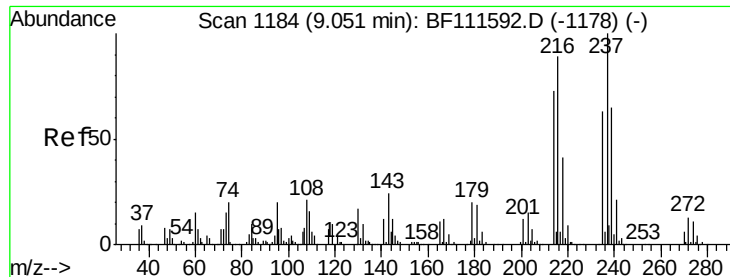
Sohil
12/27/2018 8:22:21 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.034 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.8	95.8
179	20.9	17.9	26.9
108	19.3	18.4	27.6





#41

Hexachlorocyclopentadiene

Concen: 65.873 ng

RT: 9.05 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Instrument :

BNA_F

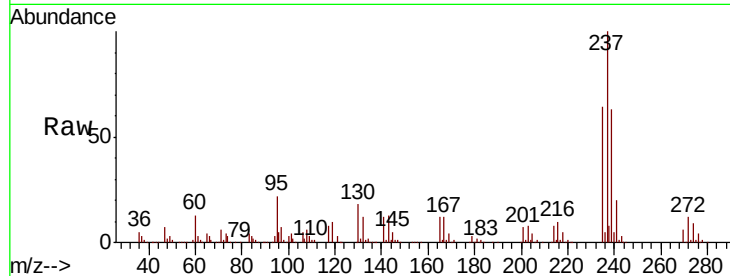
ClientSampleId :

S-1(5)MSD

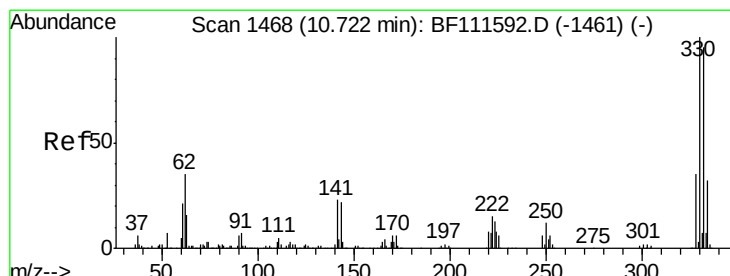
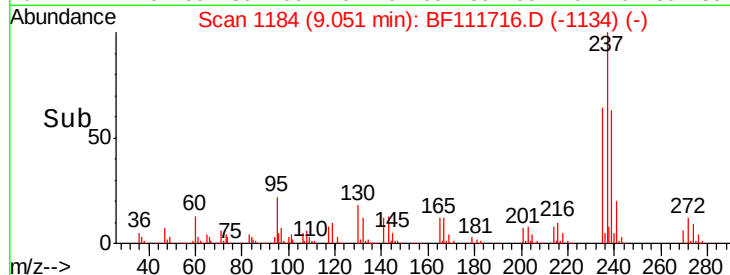
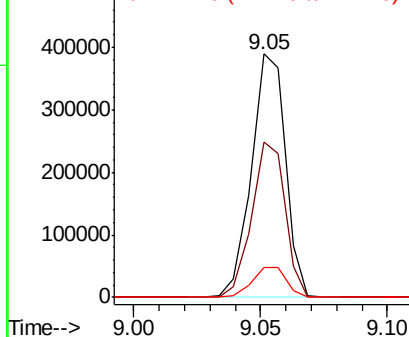
Tot Ion:	237	Resp:	365408
Ion Ratio		Lower	Upper
237	100		
235	63.7	43.1	83.1
272	12.0	0.0	33.0

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:21 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: 120.854 ng

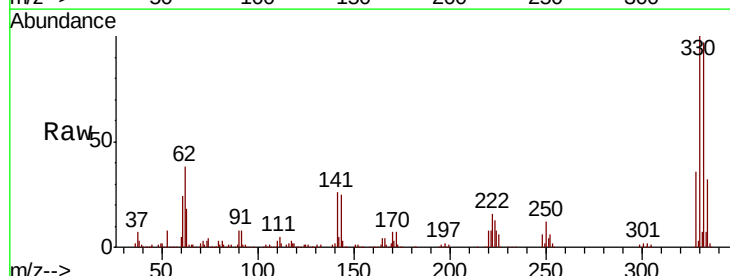
RT: 10.73 min Scan# 1470

Delta R.T. -0.00 min

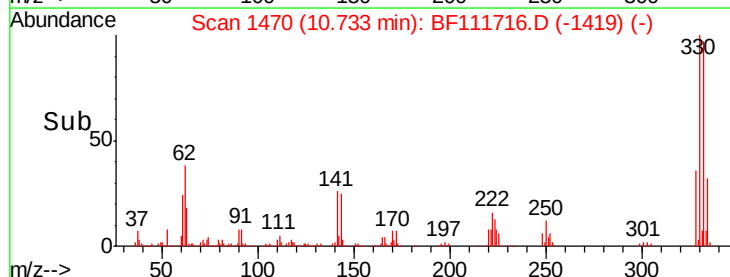
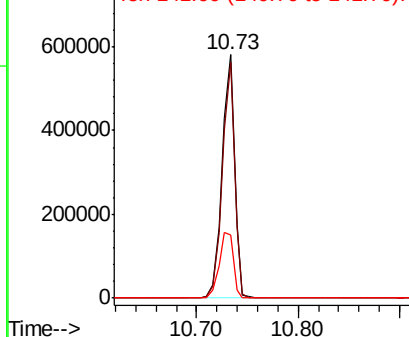
Lab File: BF111716.D

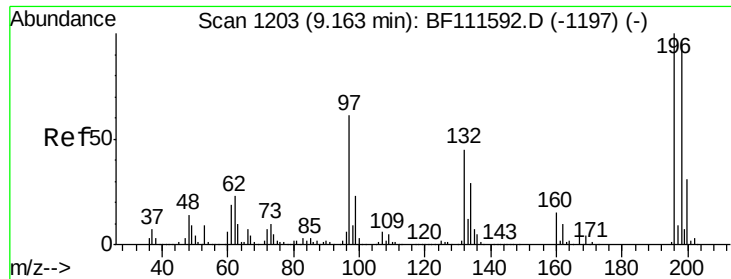
Acq: 26 Dec 2018 15:17

Tgt Ion:	330	Resp:	496763
Ion Ratio		Lower	Upper
330	100		
332	95.3	76.0	114.0
141	30.5	31.0	46.6#



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





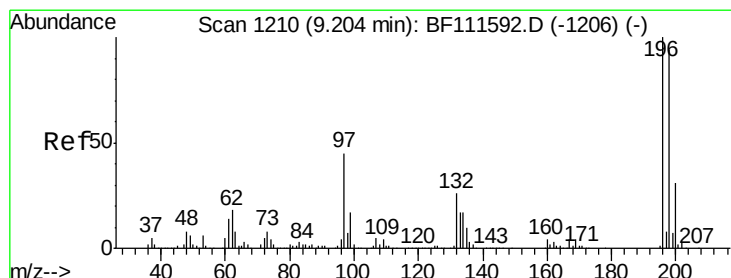
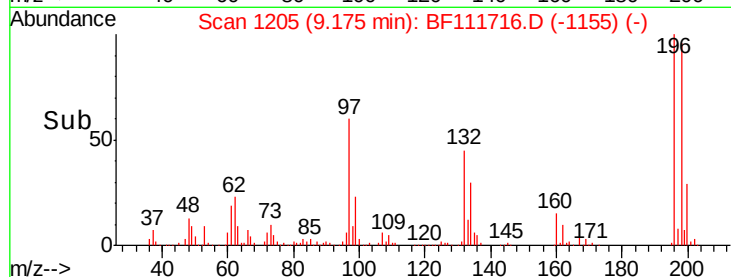
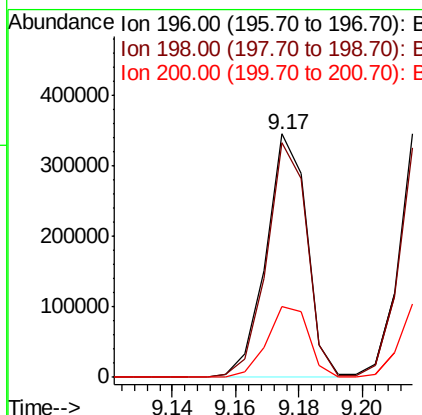
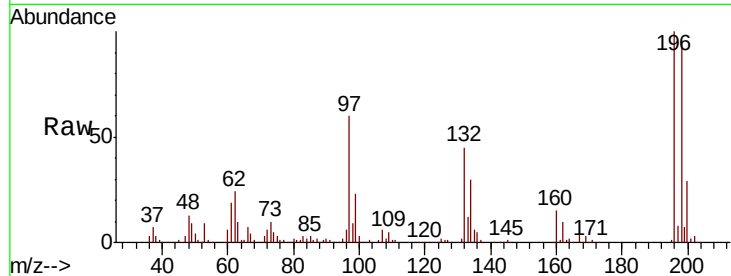
#43
 2,4,6-Trichlorophenol
 Concen: 40.295 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF111716.D
 Acq: 26 Dec 2018 15:17

Instrument :
 BNA_F
 ClientSampleId :
 S-1(5)MSD

Tot Ion:	196	Resp:	307533
Ion Ratio	Lower	Upper	
196	100		
198	96.2	76.3	114.5
200	29.1	24.9	37.3

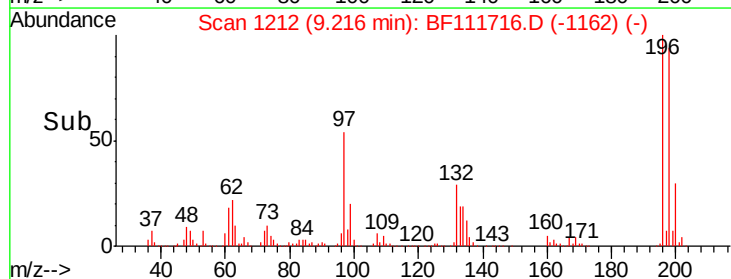
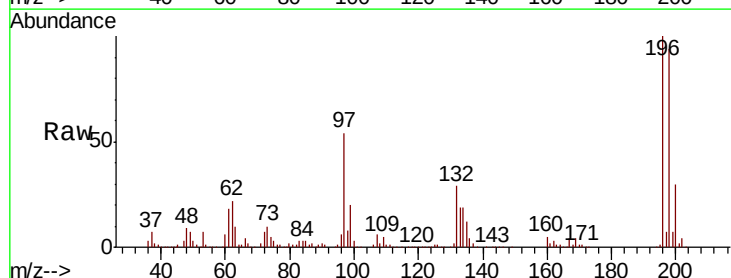
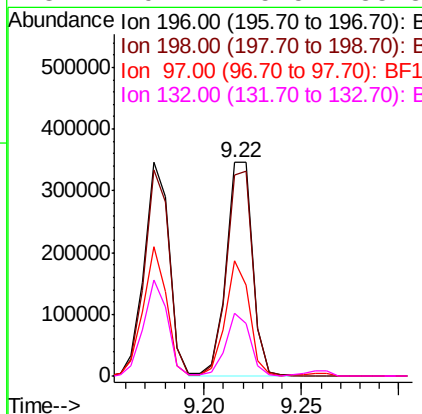
Manual Integrations
 APPROVED

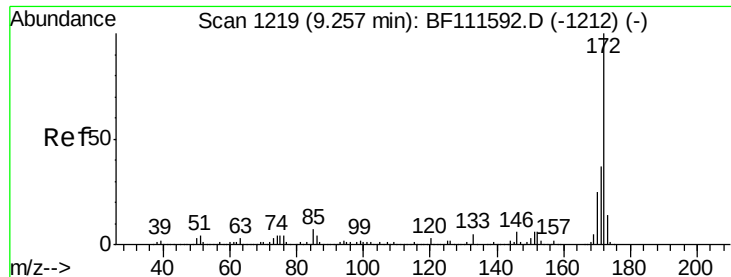
Sohil
 12/27/2018 8:22:21 AM



#44
 2,4,5-Trichlorophenol
 Concen: 41.282 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF111716.D
 Acq: 26 Dec 2018 15:17

Tgt Ion:	196	Resp:	323226
Ion Ratio	Lower	Upper	
196	100		
198	94.1	72.9	109.3
97	54.0	45.3	67.9
132	29.4	25.5	38.3





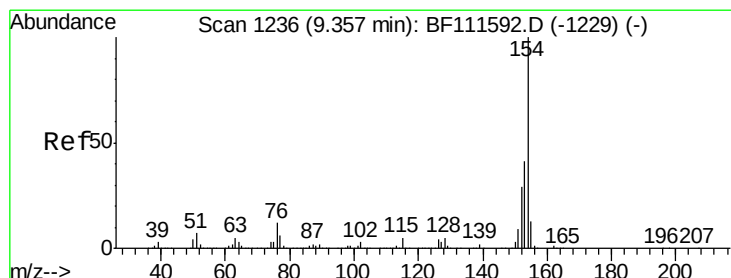
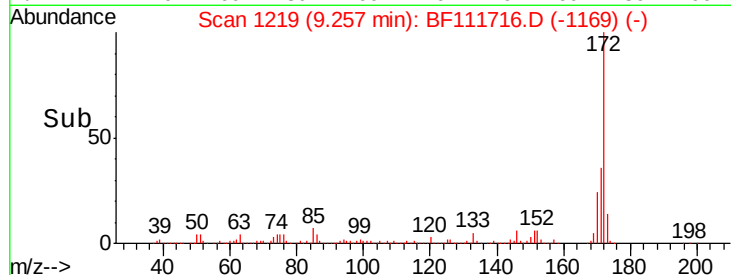
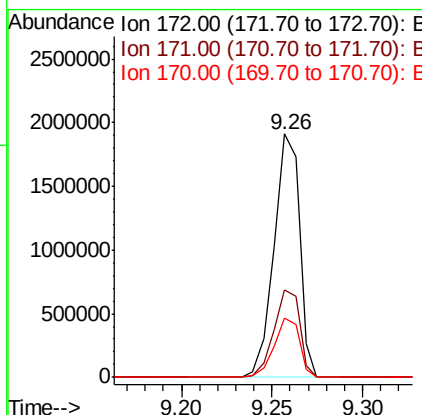
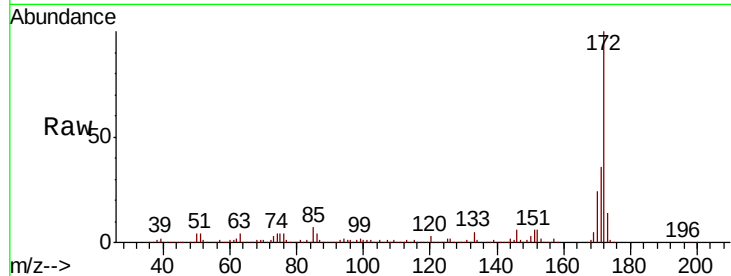
#45
 2-Fluorobiphenyl
 Concen: 78.308 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF111716.D
 Acq: 26 Dec 2018 15:17

Instrument :
 BNA_F
 ClientSampleId :
 S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	33.0	49.4
170	24.5	22.3	33.5

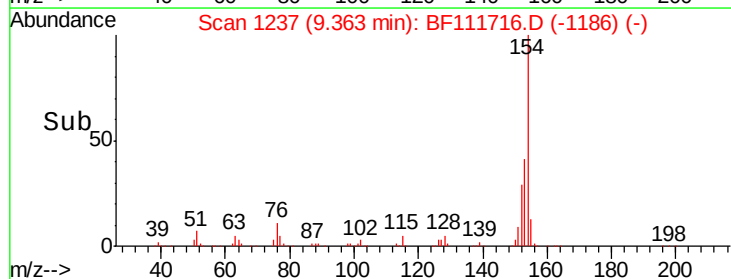
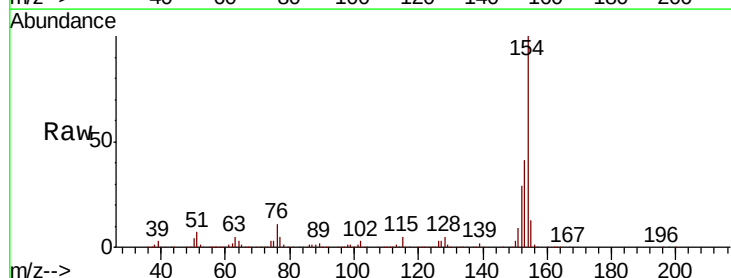
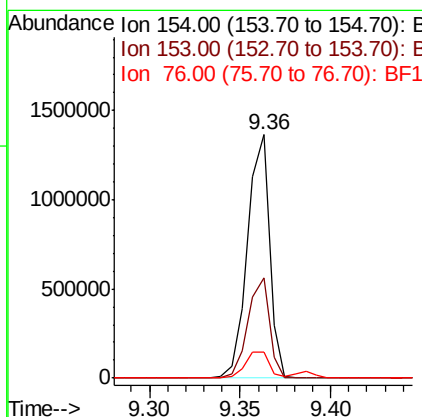
Manual Integrations
 APPROVED

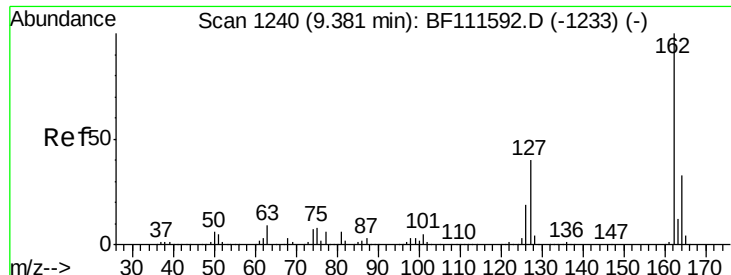
Sohil
 12/27/2018 8:22:21 AM



#46
 1,1'-Biphenyl
 Concen: 39.234 ng
 RT: 9.36 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: BF111716.D
 Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	23.7	63.7
76	10.7	0.0	35.0





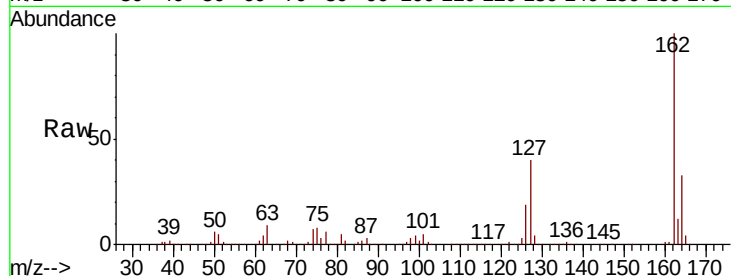
#47
 2-Chloronaphthalene
 Concen: 38.316 ng
 RT: 9.39 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF111716.D
 Acq: 26 Dec 2018 15:17

Instrument :
 BNA_F
 ClientSampleId :
 S-1(5)MSD

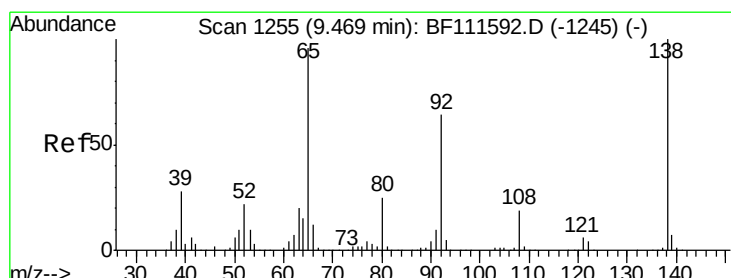
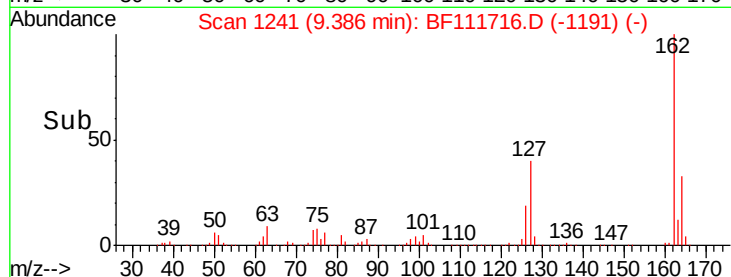
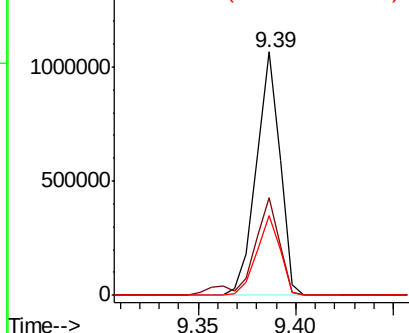
Tot Ion	Ratio	Lower	Upper
162	100		
127	39.9	35.0	52.4
164	32.8	28.4	42.6

Manual Integrations
 APPROVED

Sohil
 12/27/2018 8:22:21 AM



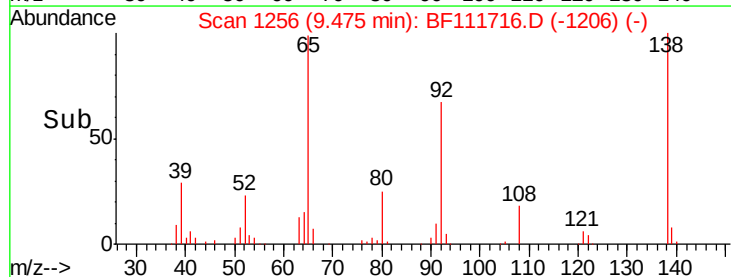
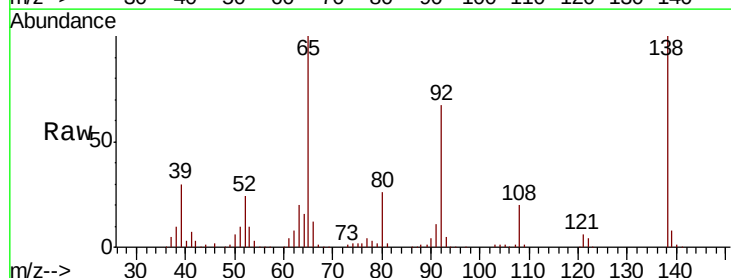
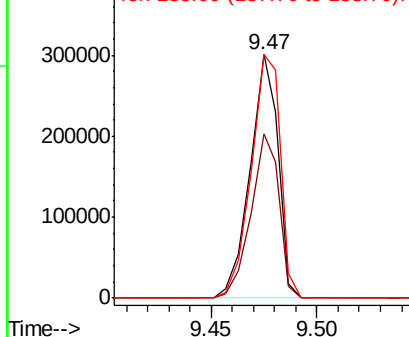
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

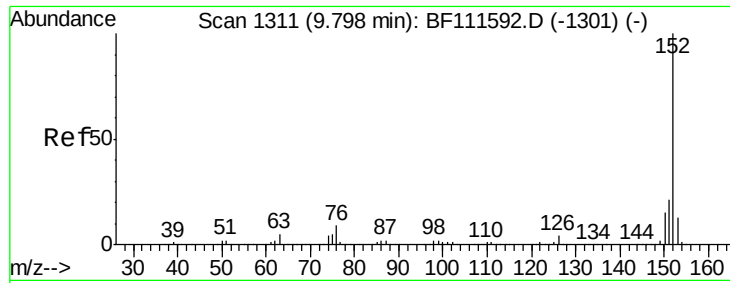


#48
 2-Nitroaniline
 Concen: 45.764 ng
 RT: 9.47 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: BF111716.D
 Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
65	100		
92	67.2	53.5	80.3
138	100.0	80.9	121.3

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: 41.544 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Instrument :

BNA_F

ClientSampleId :

S-1(5)MSD

Tot Ion:152 Resp: 1411262

Ion Ratio Lower Upper

152 100

151 20.8 18.0 27.0

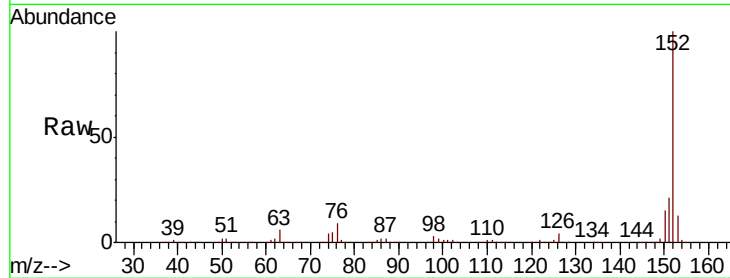
153 13.4 12.3 18.5

Manual Integrations

APPROVED

Sohil

12/27/2018 8:22:21 AM

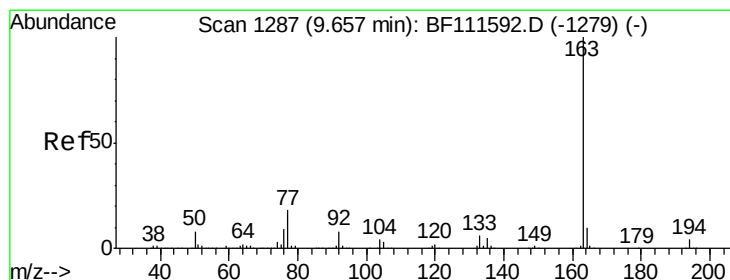
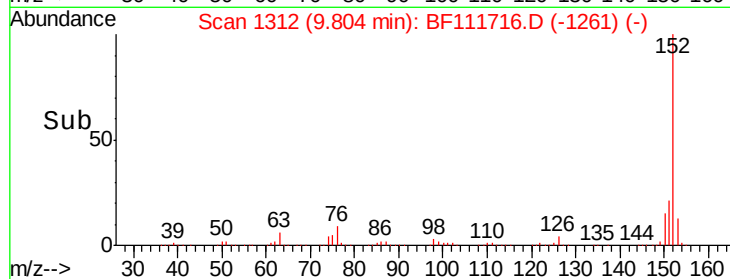
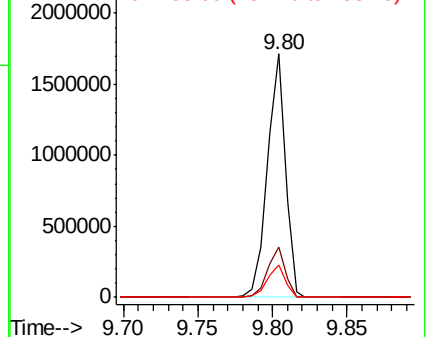


Abundance

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: 56.077 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

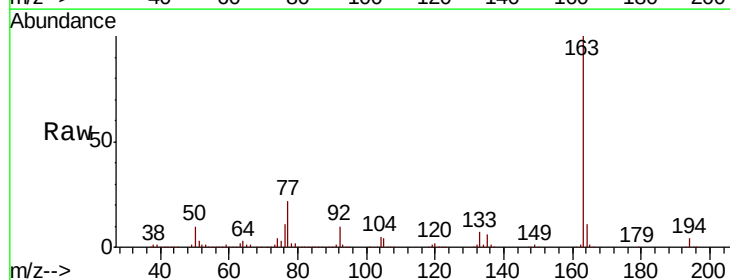
Tgt Ion:163 Resp: 1426549

Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

164 10.8 8.9 13.3

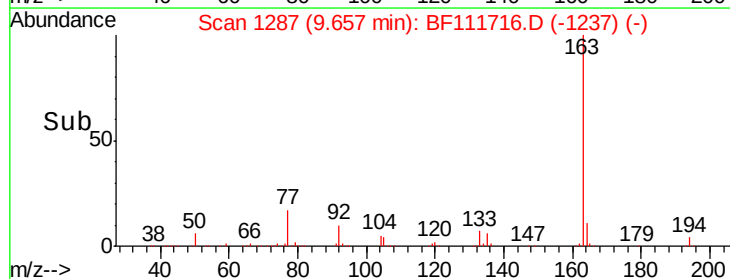
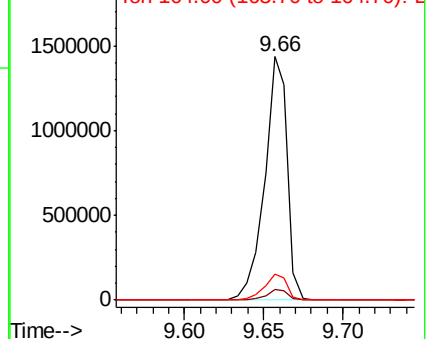


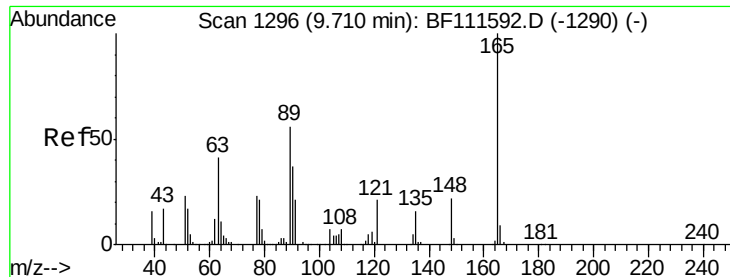
Abundance

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





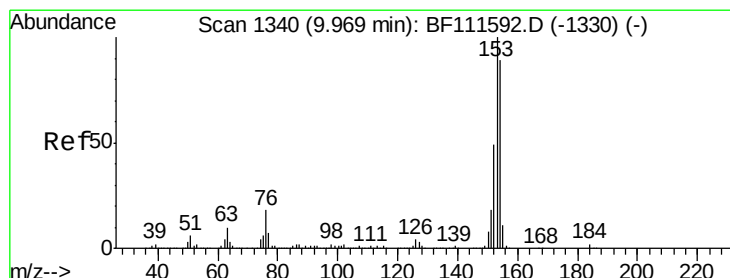
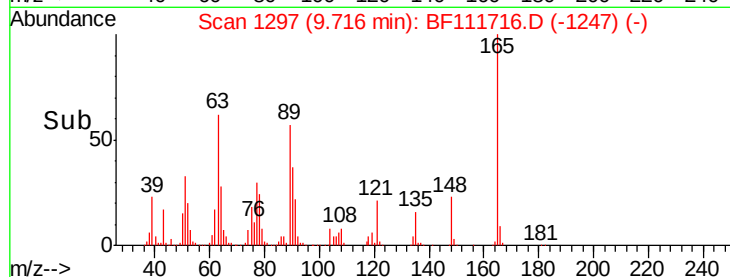
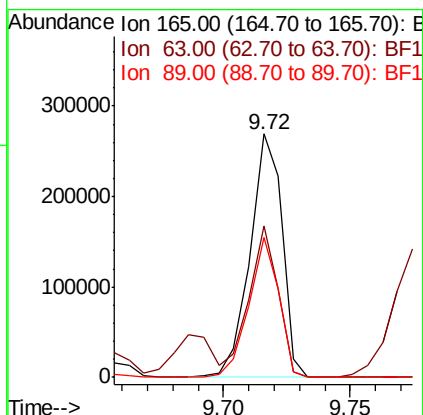
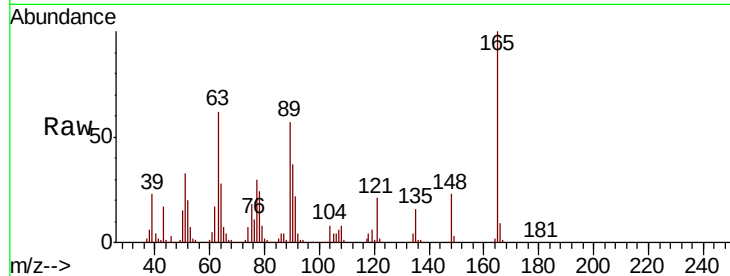
#51
2,6-Dinitrotoluene
Concen: 46.793 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	237359		
63	62.3		40.5	60.7#
89	57.3		40.0	60.0

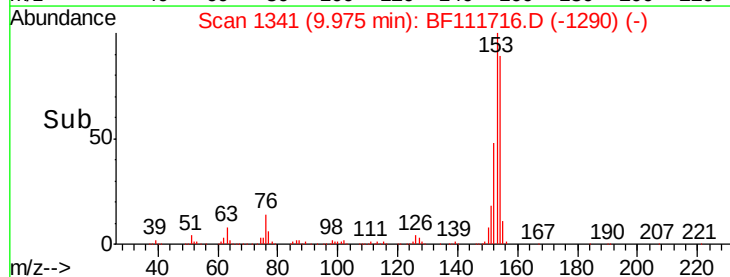
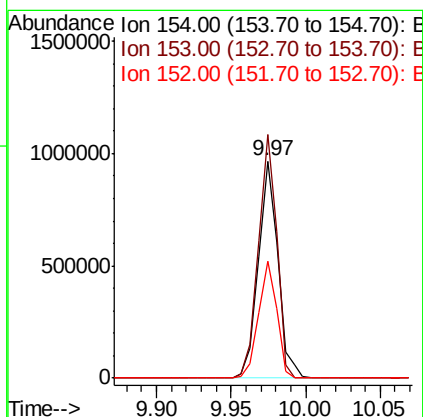
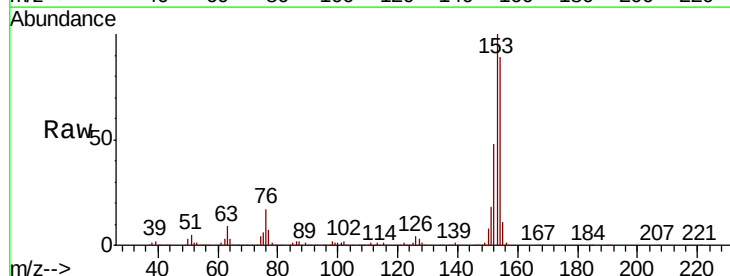
Manual Integrations
APPROVED

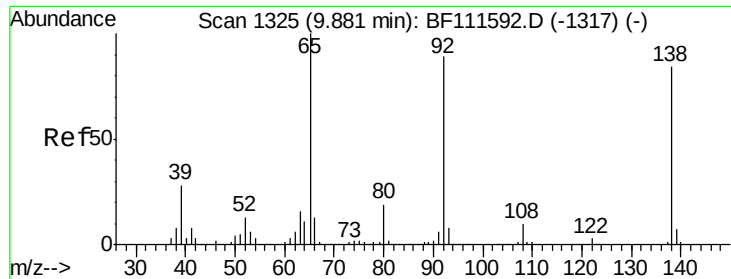
Sohil
12/27/2018 8:22:21 AM



#52
Acenaphthene
Concen: 41.311 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	865526		
153	112.3		87.8	131.8
152	53.8		43.4	65.2





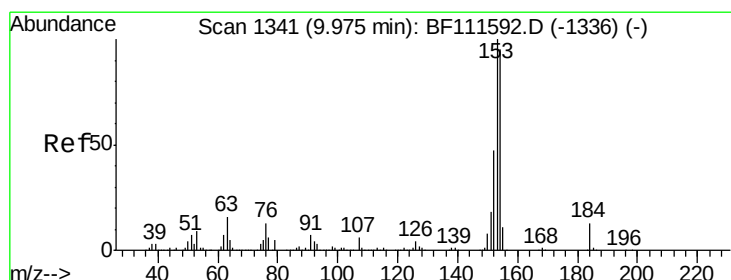
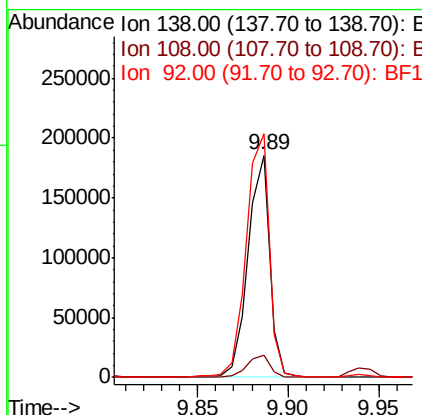
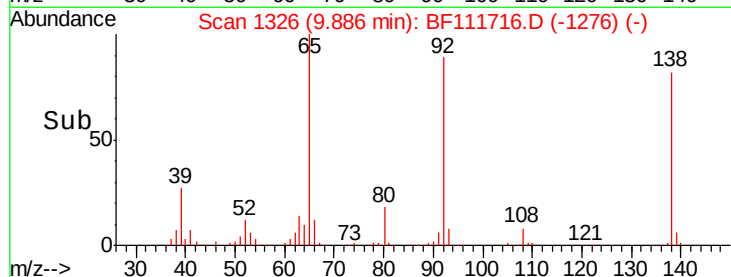
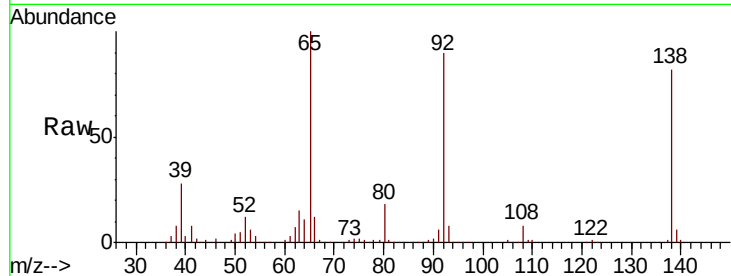
#53
3-Nitroaniline
Concen: 28.512 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampled :
S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.8	8.2	12.4
92	109.7	93.4	140.2

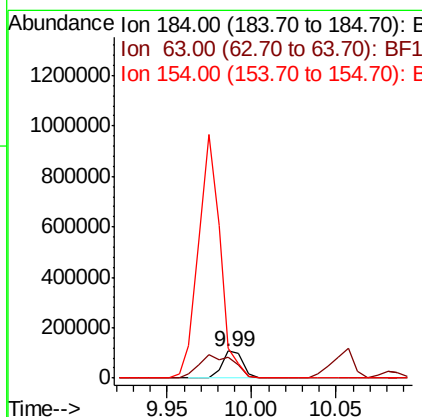
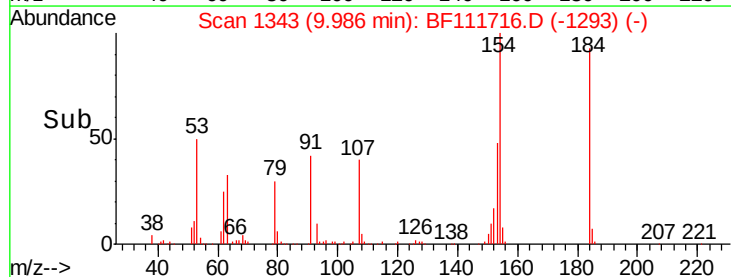
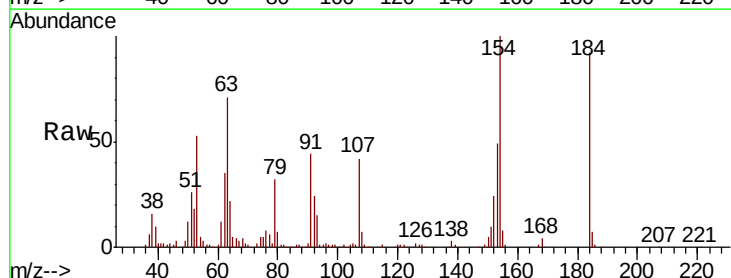
Manual Integrations
APPROVED

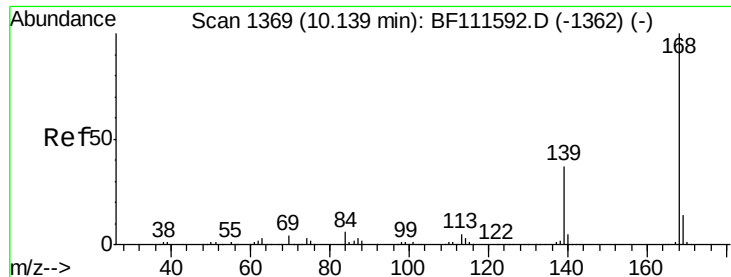
Sohil
12/27/2018 8:22:21 AM



#54
2,4-Dinitrophenol
Concen: 59.261 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
184	100		
63	77.3	62.3	93.5
154	108.6	56.2	84.2#





#55

Dibenzenofuran

Concen: 40.000 ng

RT: 10.15 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Instrument :

BNA_F

ClientSampleId :

S-1(5)MSD

Tot Ion:168 Resp: 1266135

Ion Ratio Lower Upper

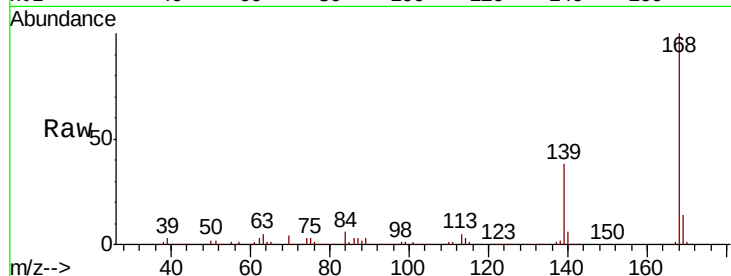
168 100

139 38.1 32.6 49.0

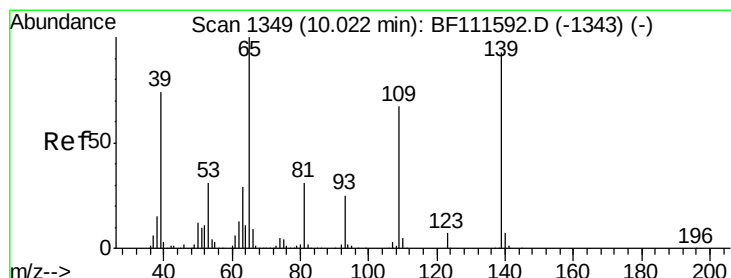
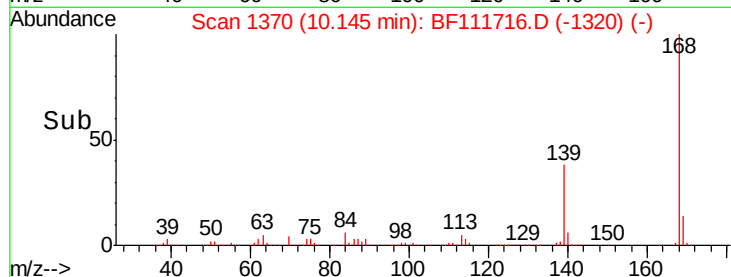
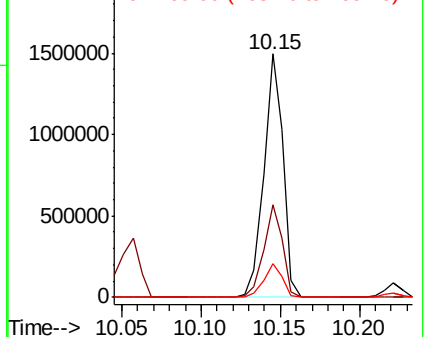
169 13.7 11.8 17.6

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:21 AM



Abundance Ion 168.00 (167.70 to 168.70): E
2000000 Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 83.146 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.01 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

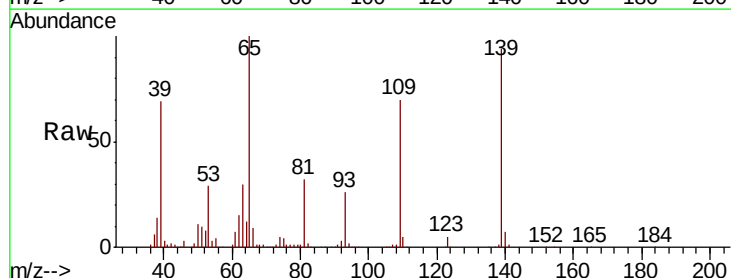
Tgt Ion:139 Resp: 343272

Ion Ratio Lower Upper

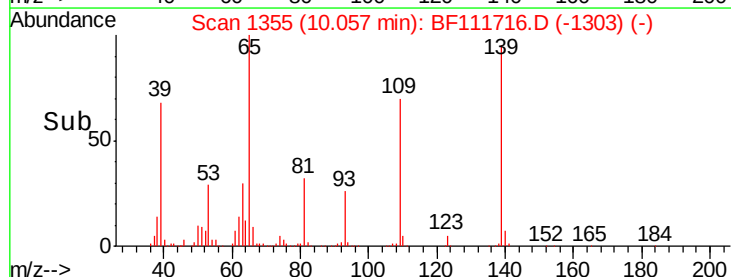
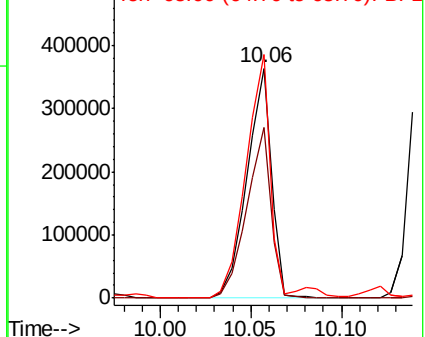
139 100

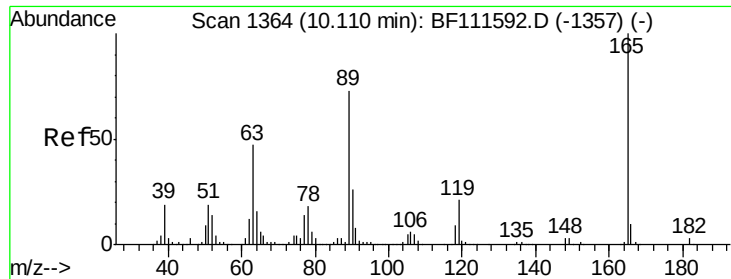
109 74.1 41.8 81.8

65 105.9 79.6 119.6



Abundance Ion 139.00 (138.70 to 139.70): E
500000 Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





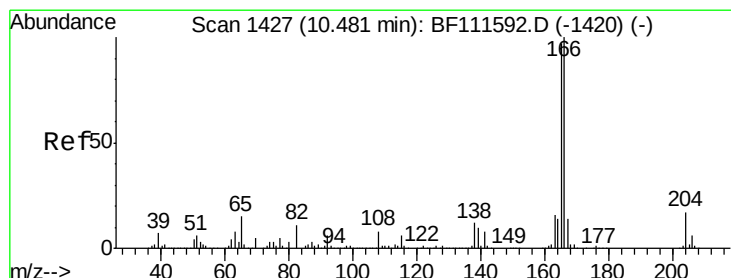
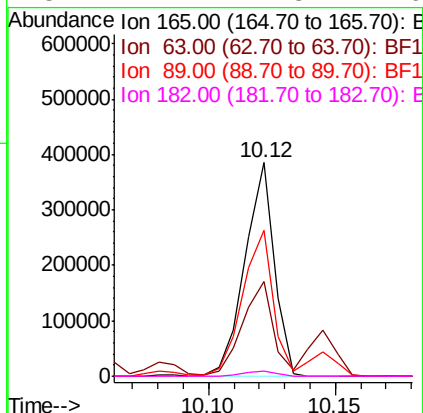
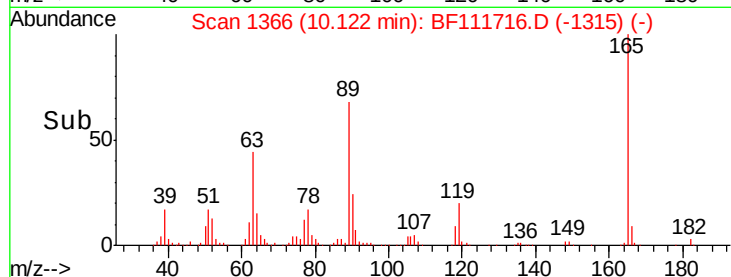
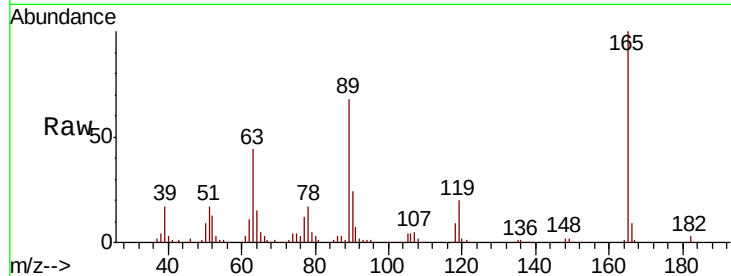
#57
2,4-Dinitrotoluene
Concen: 51.224 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampled :
S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	44.3	34.6	52.0
89	68.1	56.2	84.4
182	2.7	1.8	2.6#

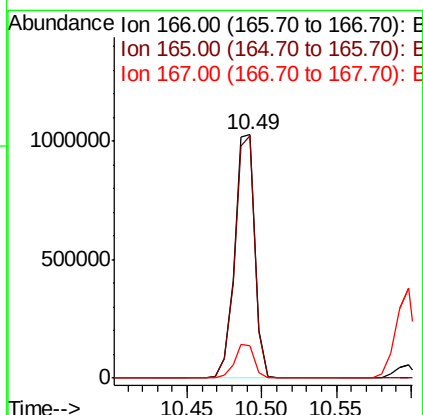
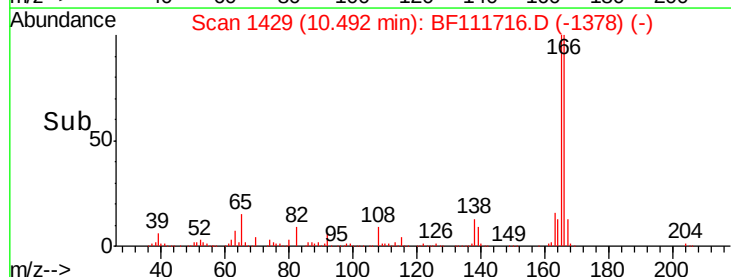
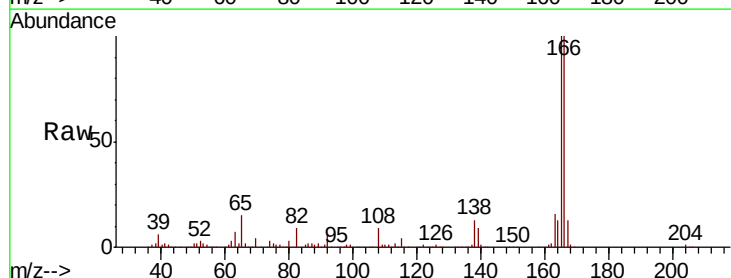
Manual Integrations
APPROVED

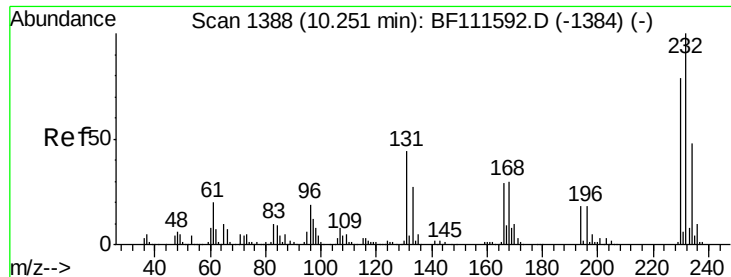
Sohil
12/27/2018 8:22:21 AM



#58
Fluorene
Concen: 42.688 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.6	78.4	117.6
167	13.2	11.2	16.8





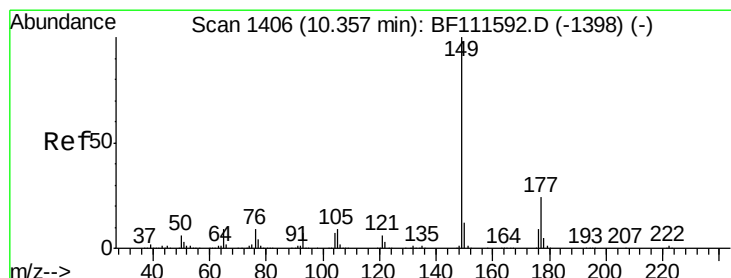
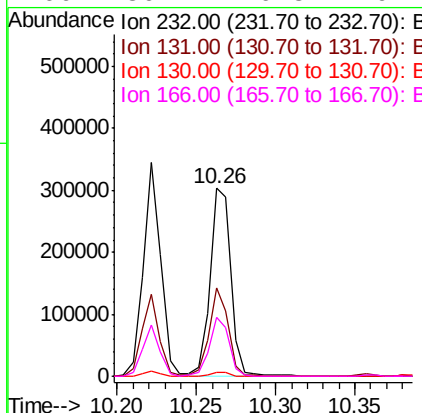
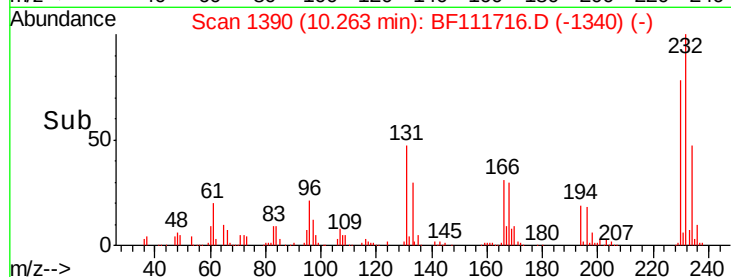
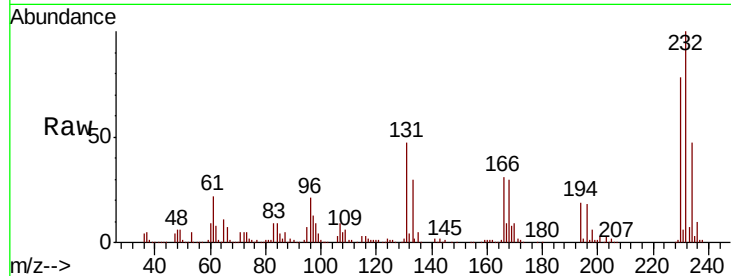
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.829 ng
RT: 10.26 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	275620		
131	42.9		40.9	61.3
130	2.1		2.0	3.0
166	30.2		26.8	40.2

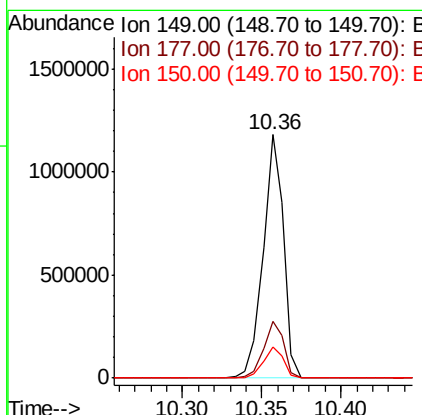
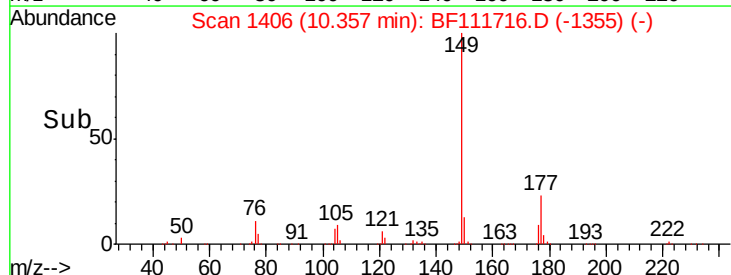
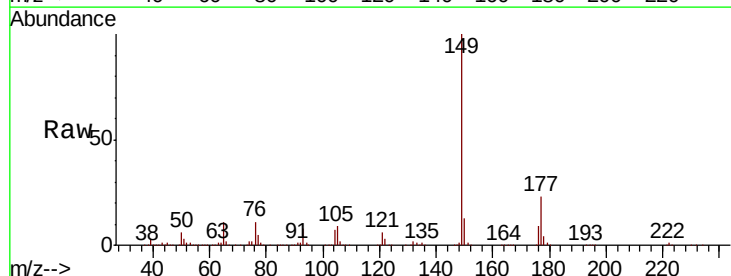
Manual Integrations
APPROVED

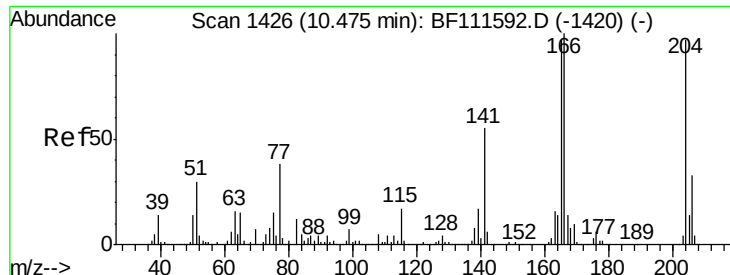
Sohil
12/27/2018 8:22:21 AM



#60
Diethylphthalate
Concen: 42.547 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1061716		
177	23.0		18.3	27.5
150	12.5		10.6	15.8





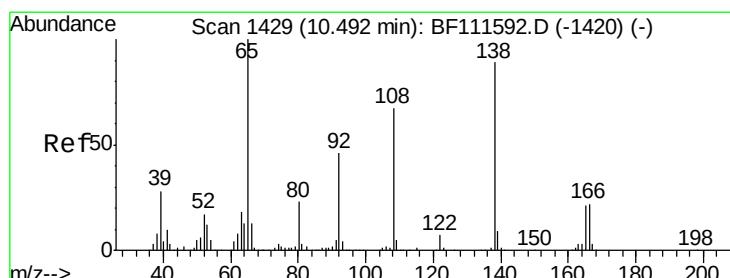
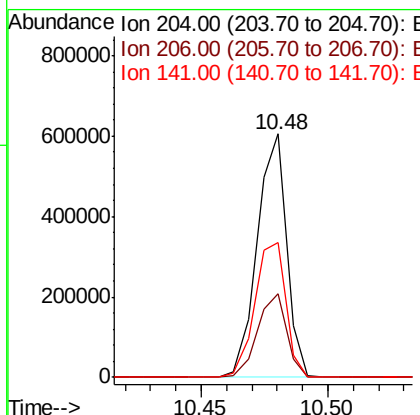
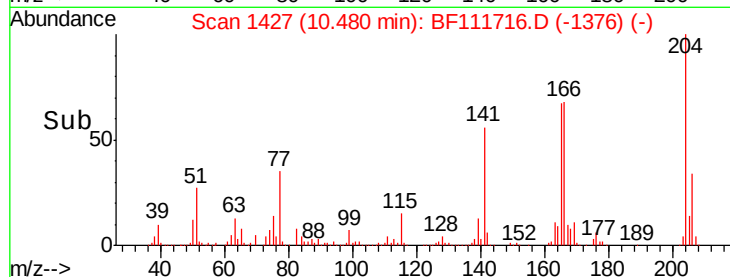
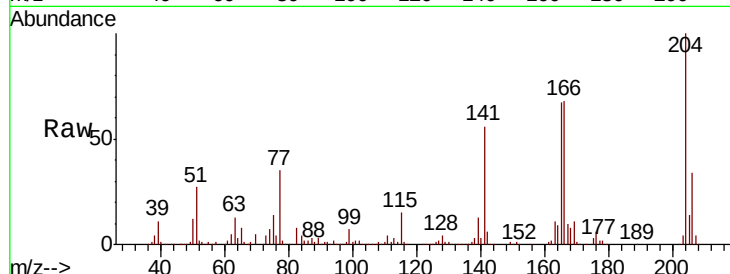
#61
4-Chlorophenyl-phenylether
Concen: 39.150 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampled :
S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.2	26.6	39.8
141	55.5	52.6	78.8

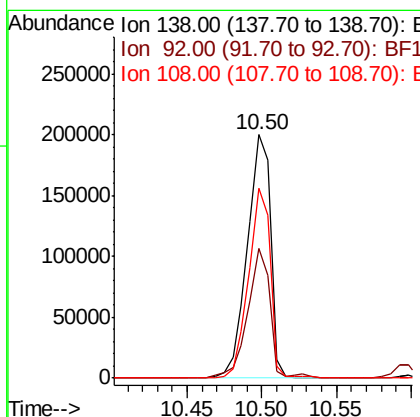
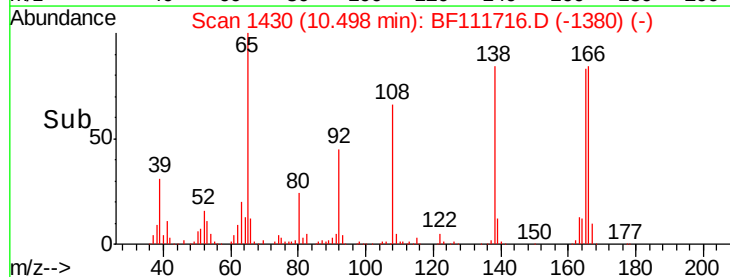
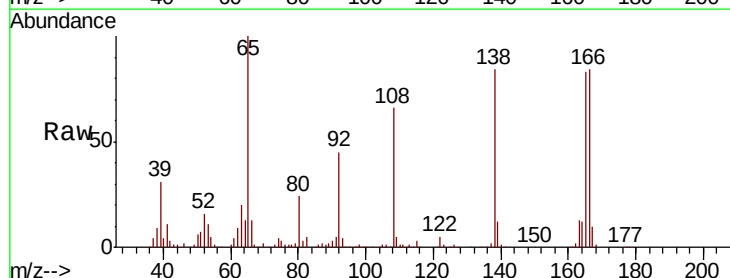
Manual Integrations
APPROVED

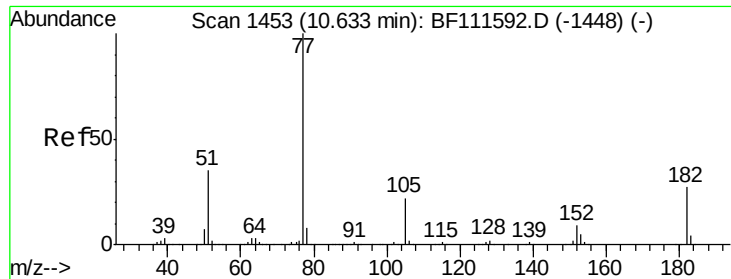
Sohil
12/27/2018 8:22:21 AM



#62
4-Nitroaniline
Concen: 41.010 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
138	100		
92	53.5	29.9	69.9
108	78.2	43.2	83.2





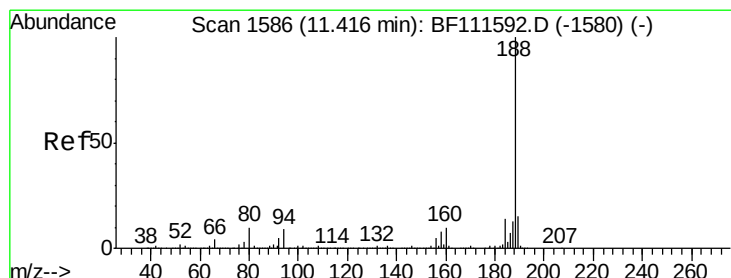
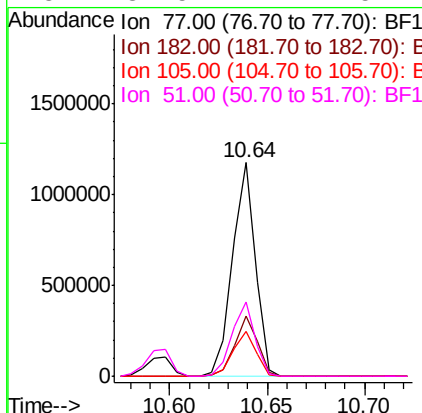
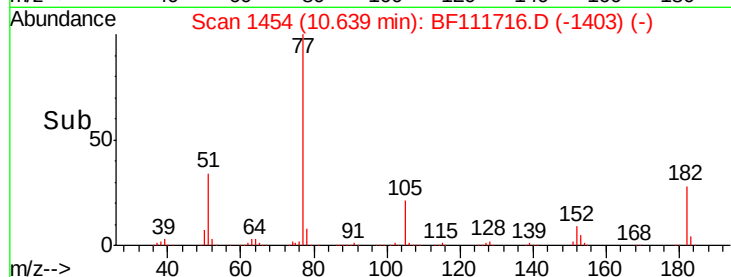
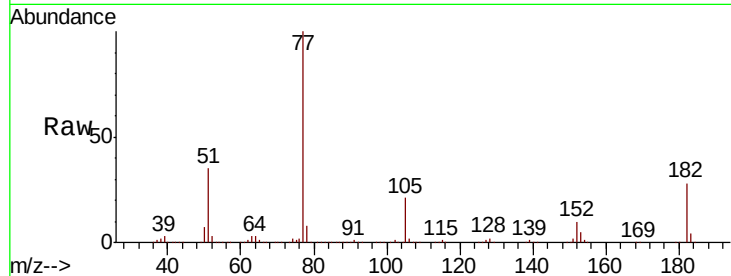
#63
Azobenzene
Concen: 38.195 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	27.9	4.9	44.9
105	21.2	6.0	46.0
51	34.5	14.7	54.7

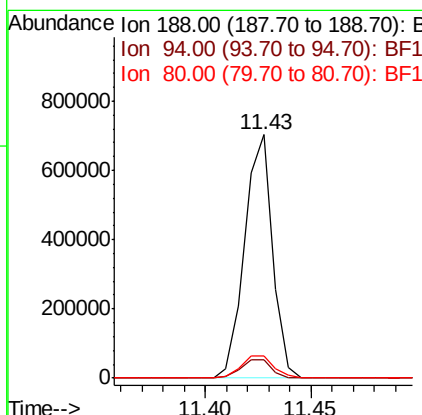
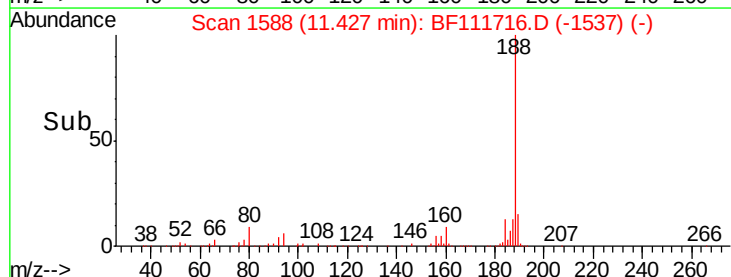
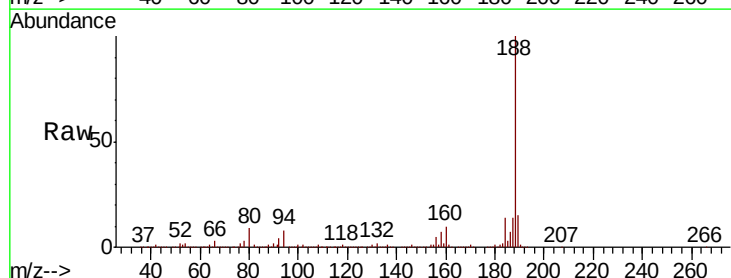
Manual Integrations
APPROVED

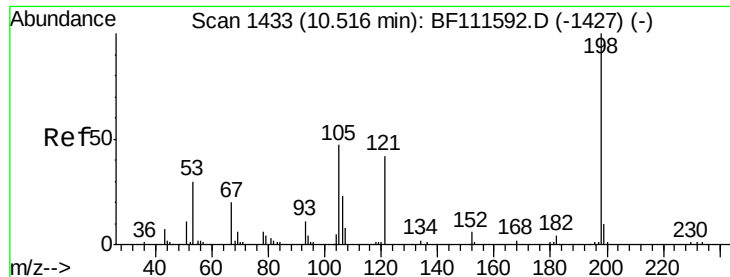
Sohil
12/27/2018 8:22:21 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	9.6	14.4#
80	9.0	9.8	14.6#





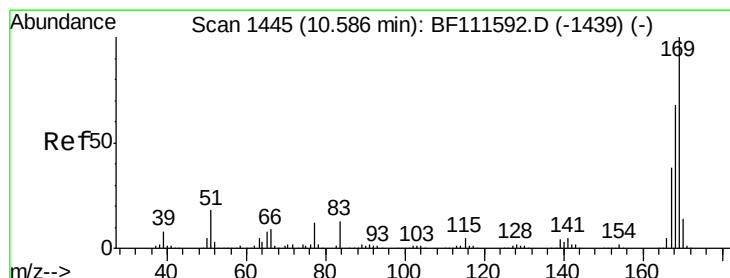
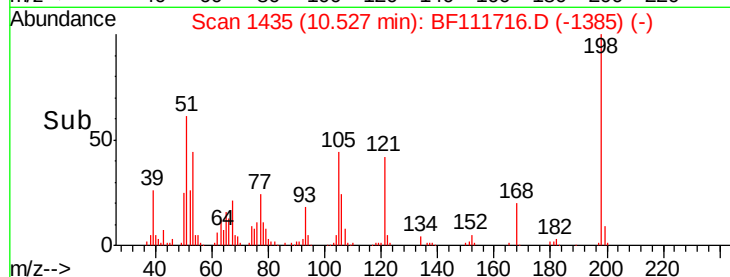
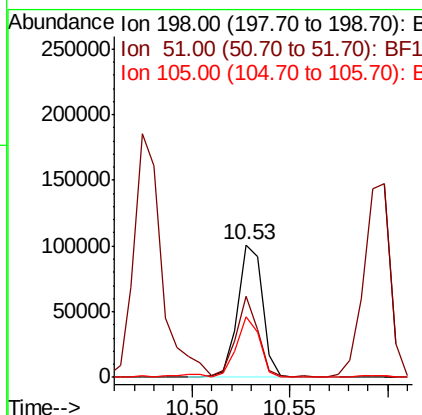
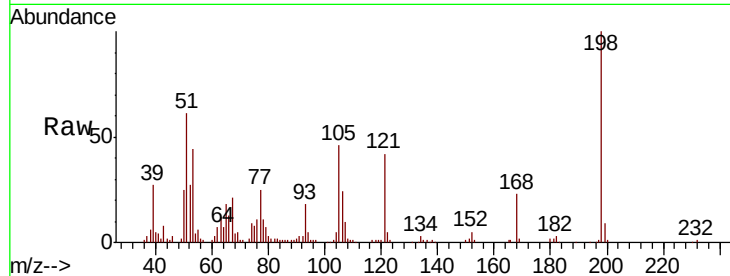
#65
4,6-Dinitro-2-methylphenol
Concen: 35.601 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampled :
S-1(5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	89329		
51	60.8	48.0	88.0	
105	45.9	34.0	74.0	

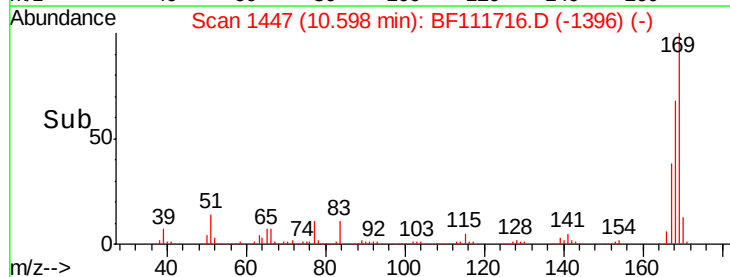
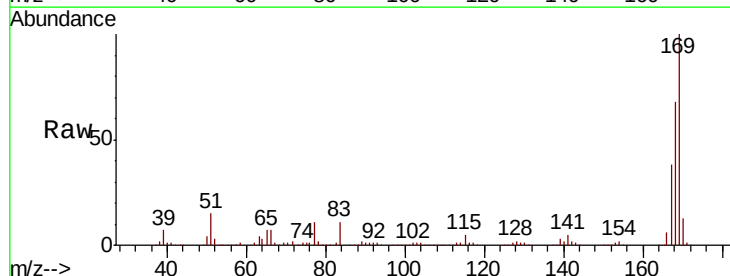
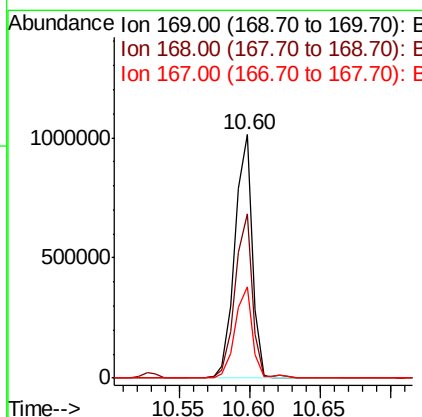
Manual Integrations
APPROVED

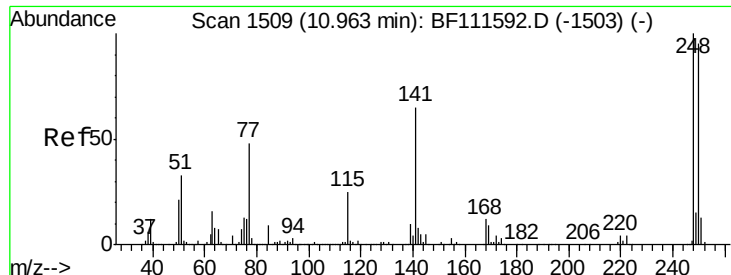
Sohil
12/27/2018 8:22:21 AM



#66
n-Nitrosodiphenylamine
Concen: 40.205 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	868369		
168	67.7	54.4	81.6	
167	37.7	30.5	45.7	





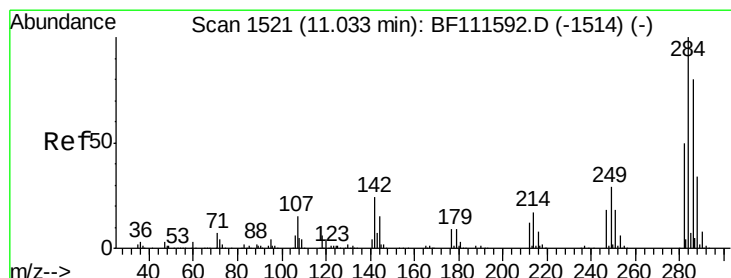
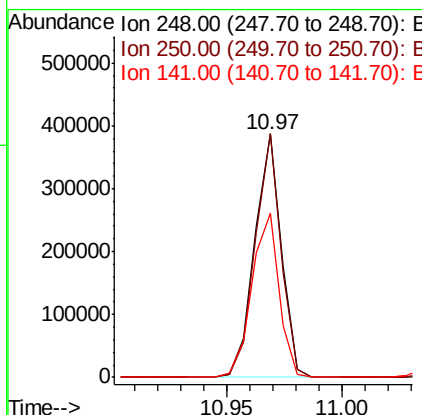
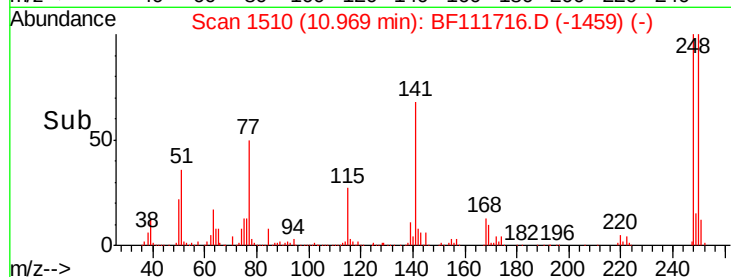
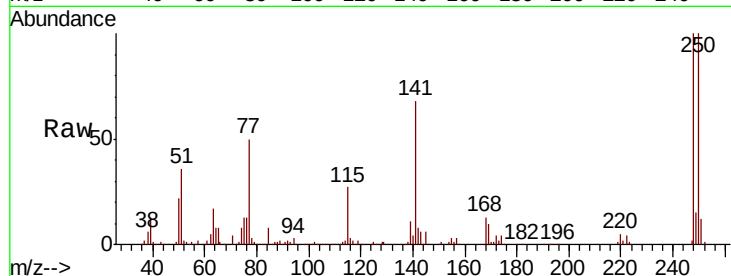
#67
4-Bromophenyl-phenylether
Concen: 39.135 ng
RT: 10.97 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampled :
S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.8	77.0	115.4
141	67.6	63.0	94.6

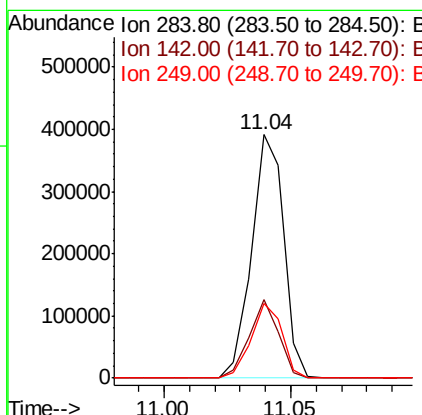
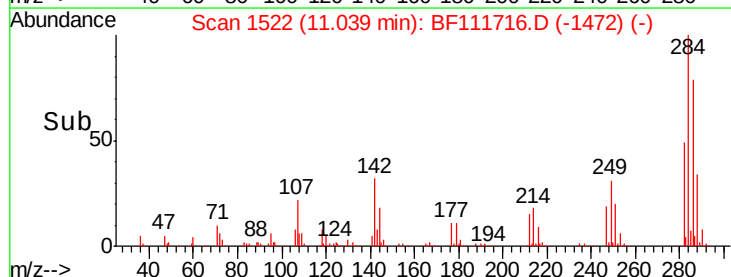
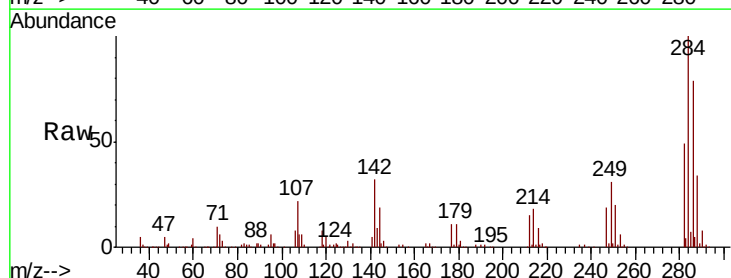
Manual Integrations
APPROVED

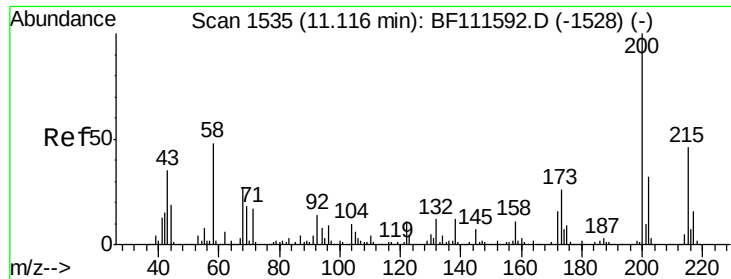
Sohil
12/27/2018 8:22:21 AM



#68
Hexachlorobenzene
Concen: 38.858 ng
RT: 11.04 min Scan# 1522
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.0	27.4	41.2
249	30.6	24.4	36.6





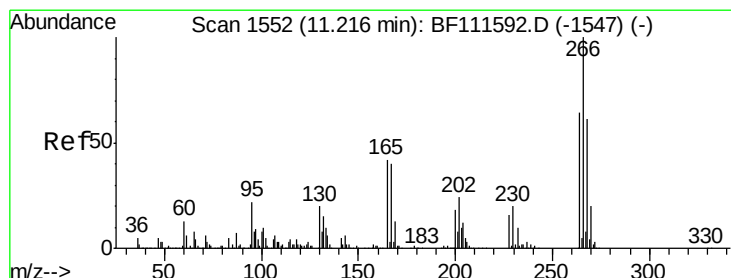
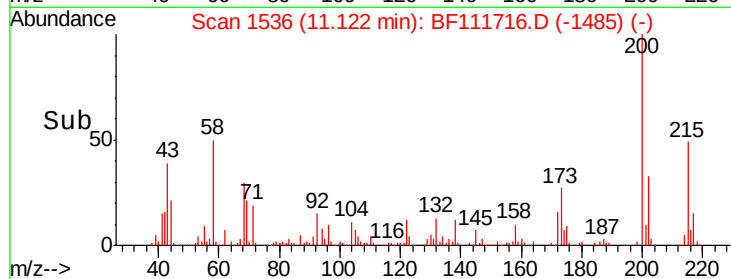
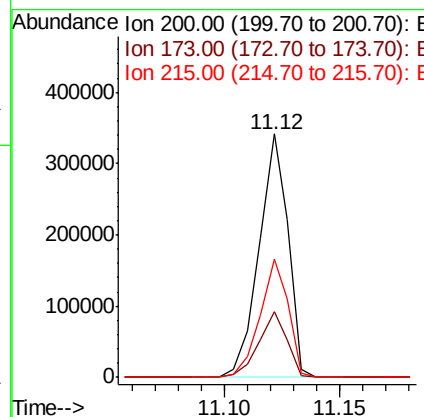
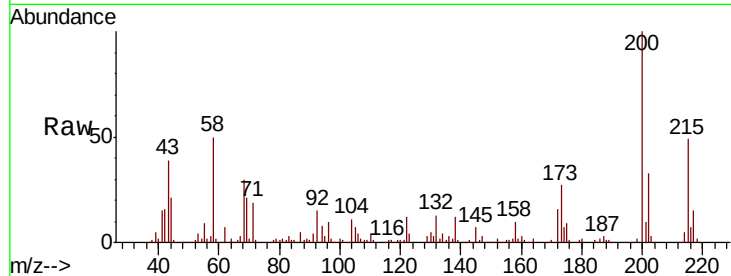
#69
Atrazine
Concen: 39.900 ng
RT: 11.12 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	27.1	10.1	50.1
215	48.6	26.9	66.9

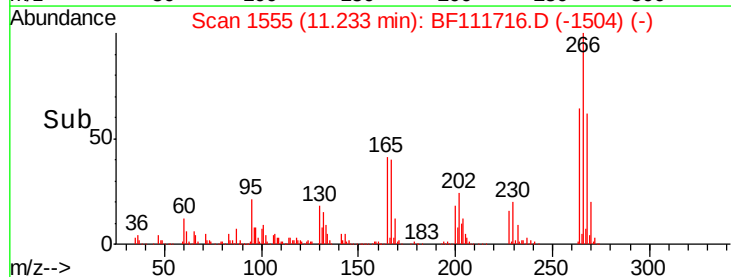
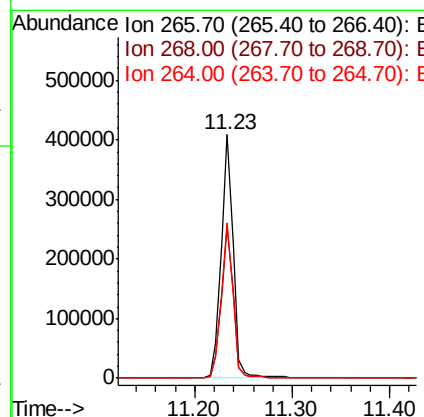
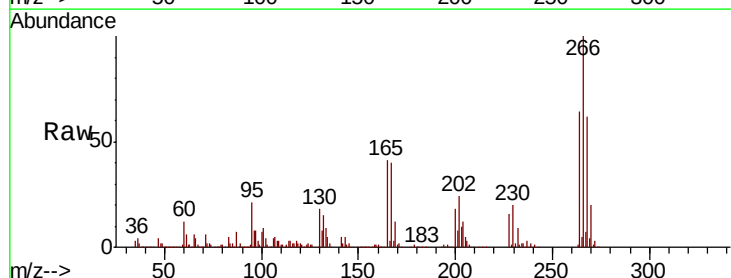
Manual Integrations
APPROVED

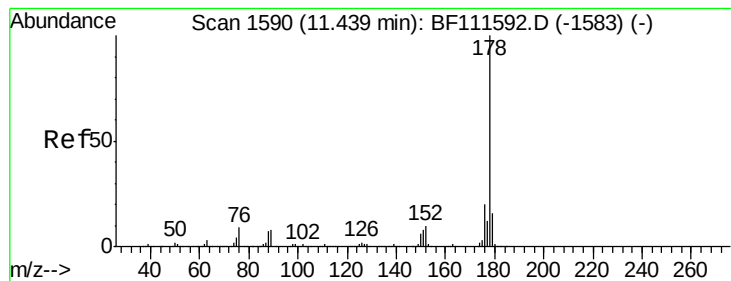
Sohil
12/27/2018 8:22:21 AM



#70
Pentachlorophenol
Concen: 63.681 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	62.3	47.9	71.9
264	63.8	49.1	73.7





#71

Phenanthrene

Concen: 41.061 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Instrument :

BNA_F

ClientSampleId :

S-1(5)MSD

Tot Ion:178 Resp: 1401152

Ion Ratio Lower Upper

178 100

176 19.7 18.1 27.1

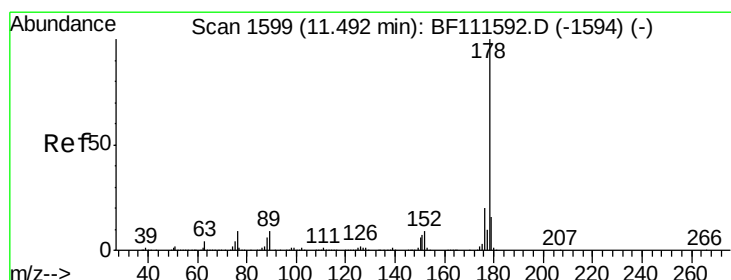
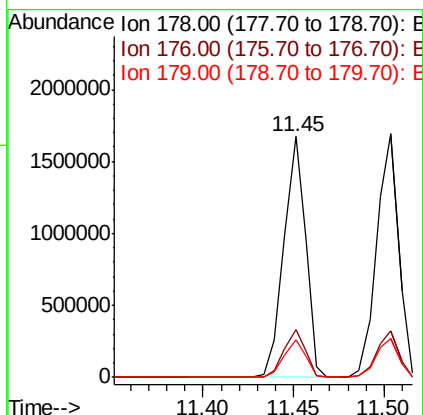
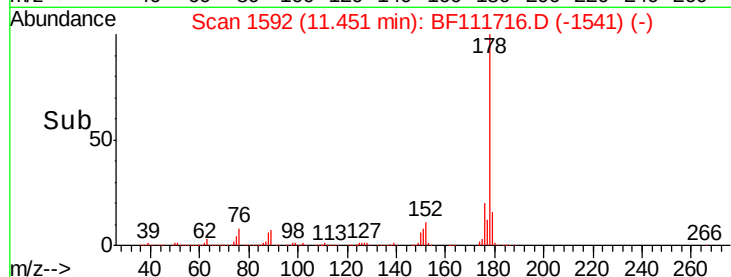
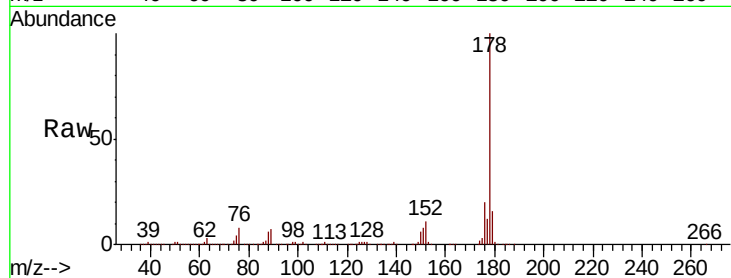
179 15.7 14.0 21.0

Manual Integrations

APPROVED

Sohil

12/27/2018 8:22:21 AM



#72

Anthracene

Concen: 41.688 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.00 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

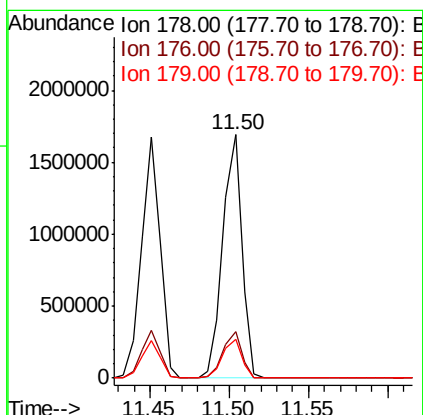
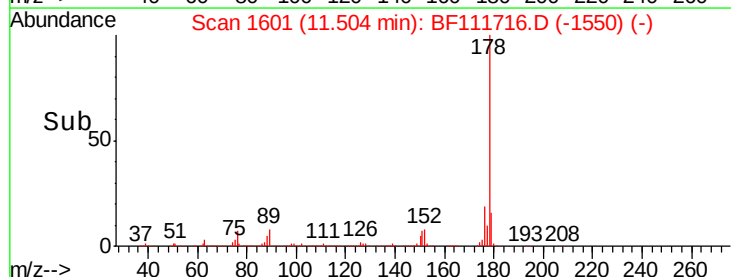
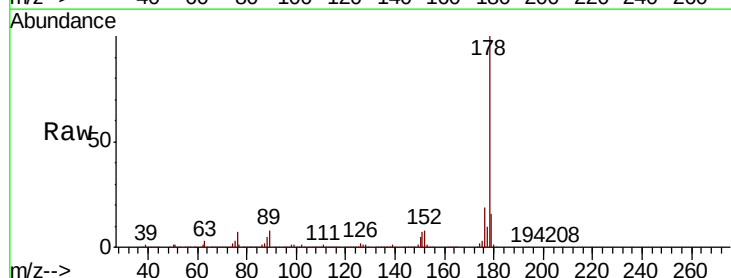
Tgt Ion:178 Resp: 1427872

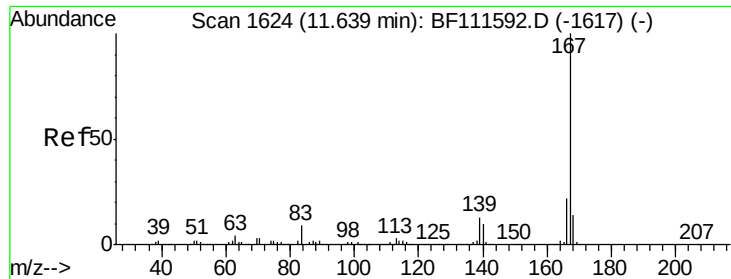
Ion Ratio Lower Upper

178 100

176 19.3 17.2 25.8

179 16.0 13.8 20.8





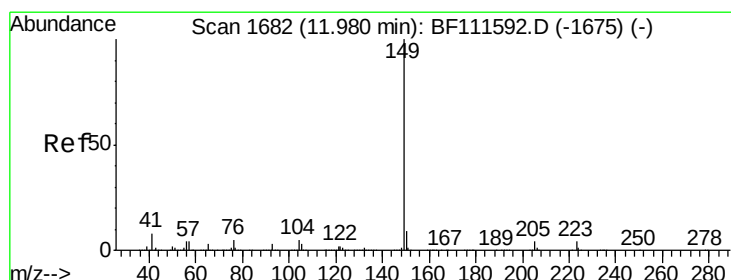
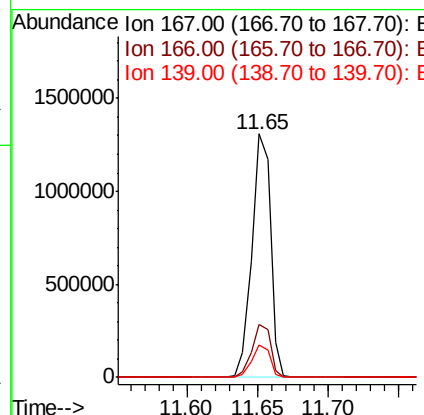
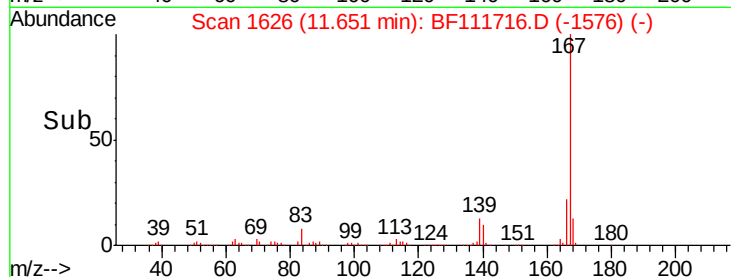
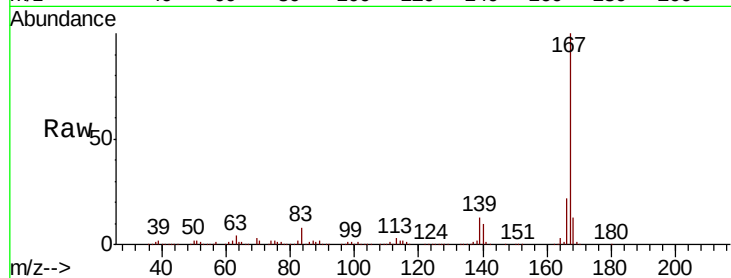
#73
 Carbazole
 Concen: 36.756 ng
 RT: 11.65 min Scan# 1626
 Delta R.T. -0.01 min
 Lab File: BF111716.D
 Acq: 26 Dec 2018 15:17

Instrument :
 BNA_F
 ClientSampled :
 S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.6	19.3	28.9
139	13.1	11.9	17.9

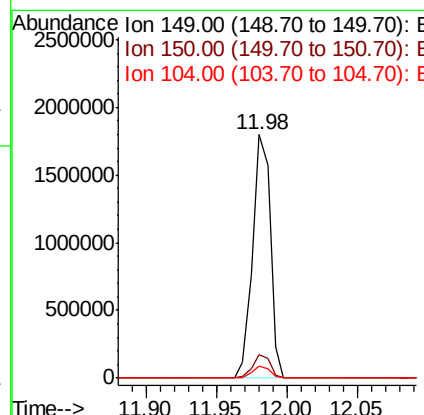
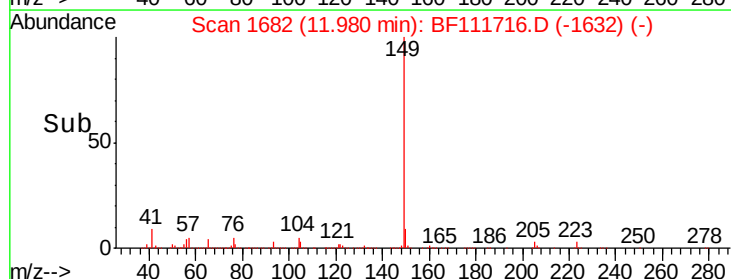
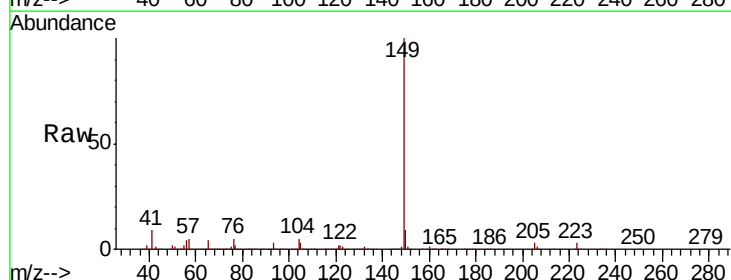
Manual Integrations
 APPROVED

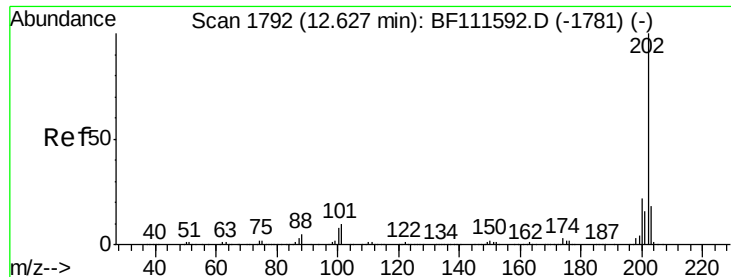
Sohil
 12/27/2018 8:22:21 AM



#74
 Di-n-butylphthalate
 Concen: 42.674 ng
 RT: 11.98 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: BF111716.D
 Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	8.8	13.2
104	4.9	4.5	6.7





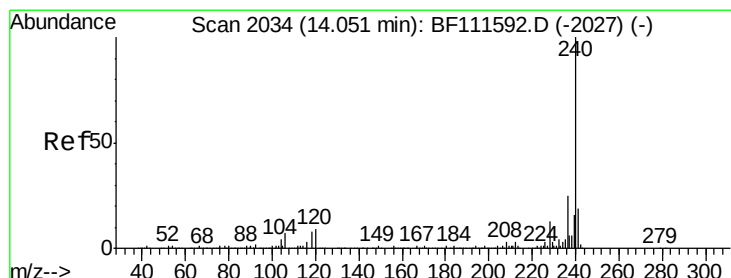
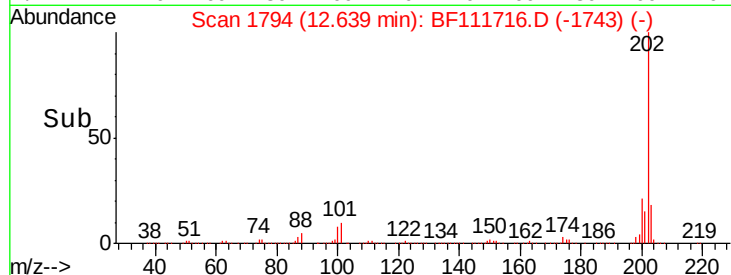
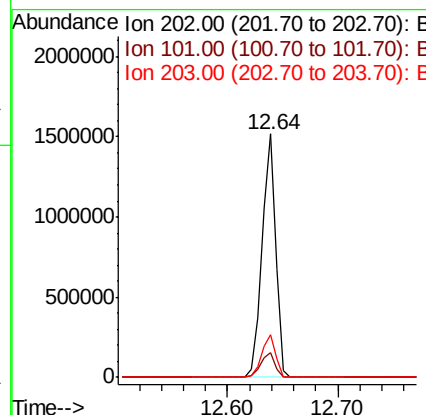
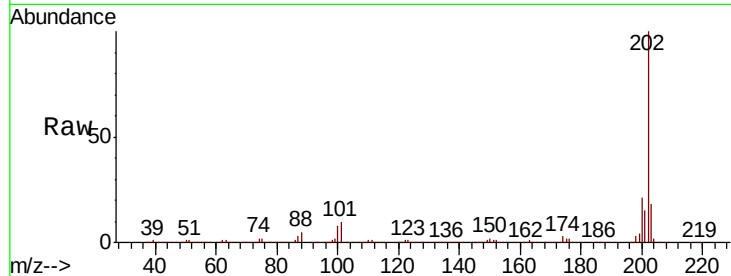
#75
Fluoranthene
Concen: 38.133 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	33.8
203	17.7	0.0	38.6

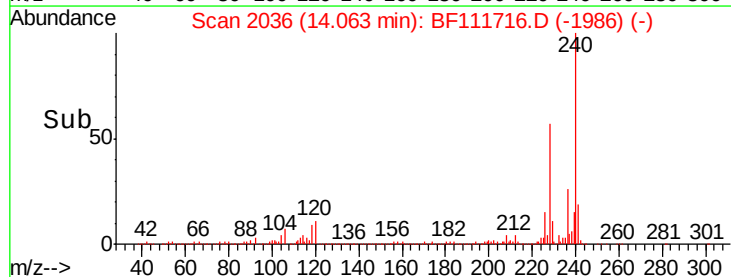
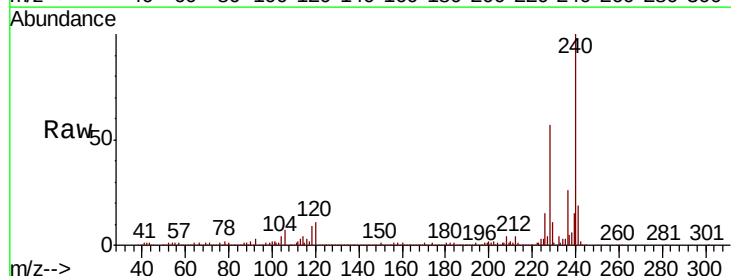
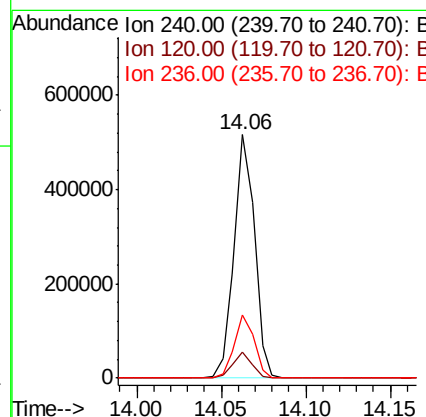
Manual Integrations
APPROVED

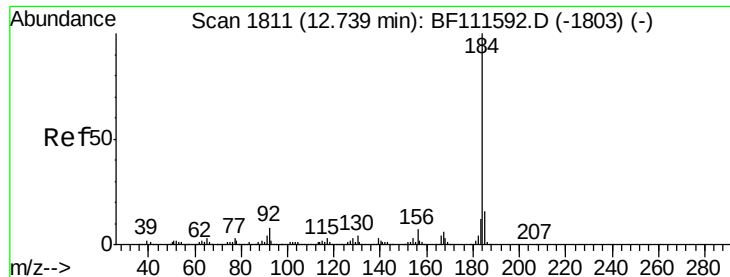
Sohil
12/27/2018 8:22:21 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	12.2	18.2#
236	25.9	20.2	30.2





#77

Benzidine

Concen: 1.391 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.26 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Instrument :

BNA_F

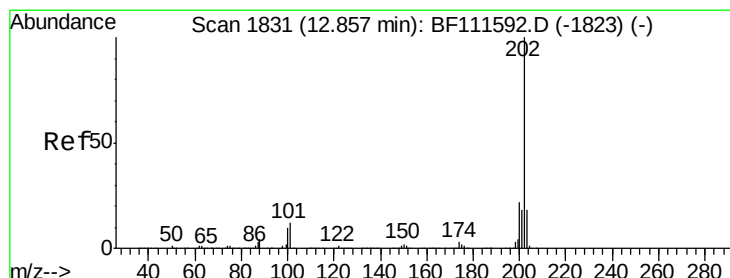
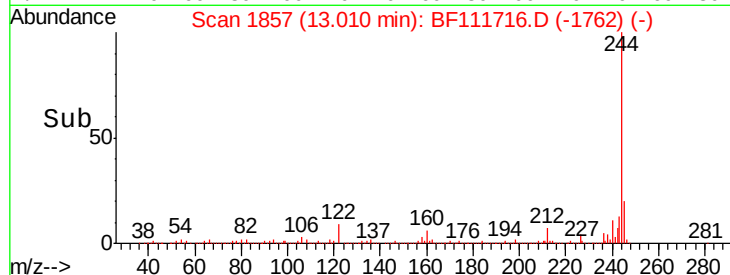
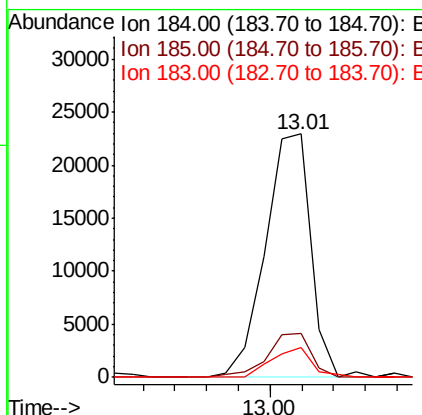
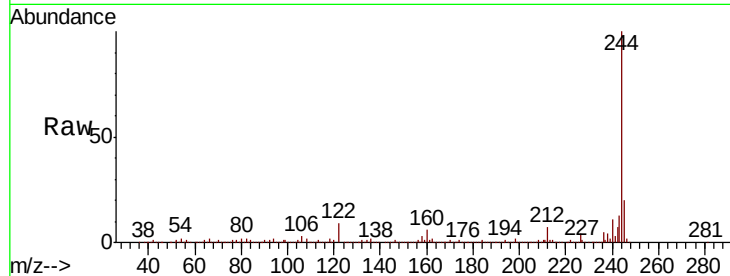
ClientSampleId :

S-1(5)MSD

Tot Ion:	184	Resp:	22761
Ion Ratio	Lower	Upper	
184	100		
185	18.2	13.0	19.6
183	12.2	9.3	13.9

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:21 AM



#78

Pyrene

Concen: 42.060 ng

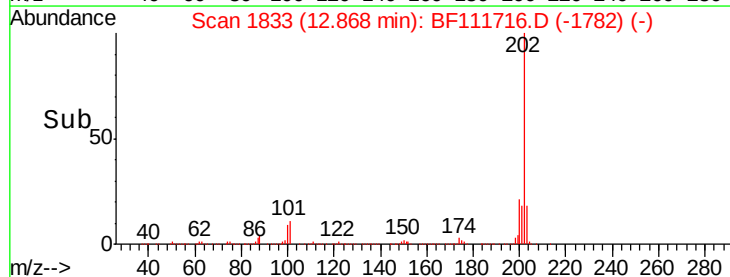
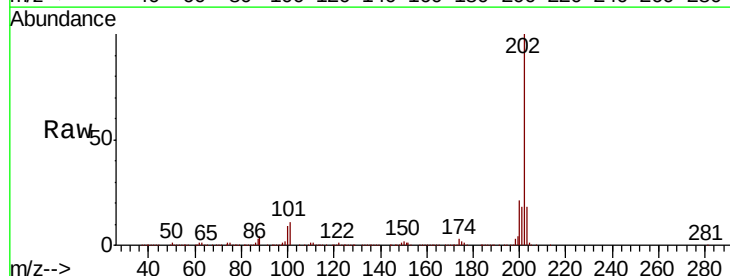
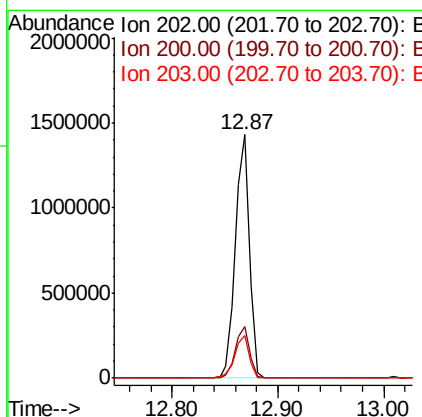
RT: 12.87 min Scan# 1833

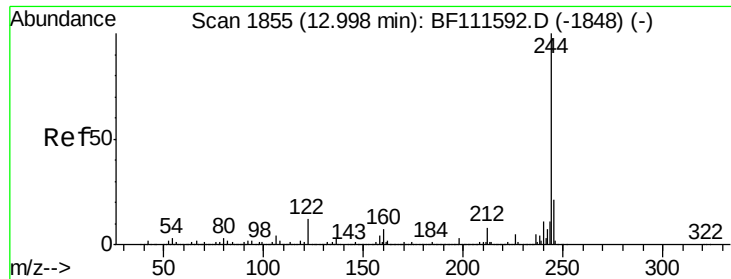
Delta R.T. -0.00 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Tgt Ion:	202	Resp:	1291904
Ion Ratio	Lower	Upper	
202	100		
200	21.4	19.0	28.4
203	17.5	15.2	22.8





#79

Terphenyl-d14

Concen: 77.613 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Instrument :

BNA_F

ClientSampleId :

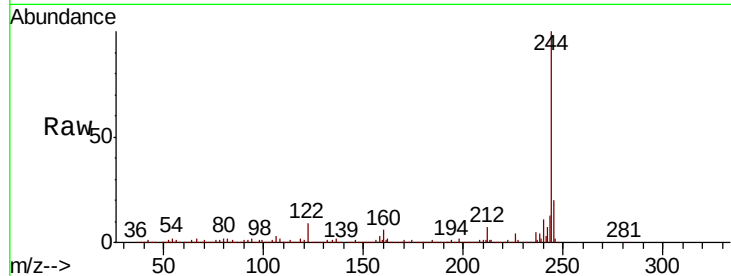
S-1(5)MSD

Tot Ion:244 Resp: 1780115

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	9.0	13.1	19.7

Manual Integrations
APPROVED

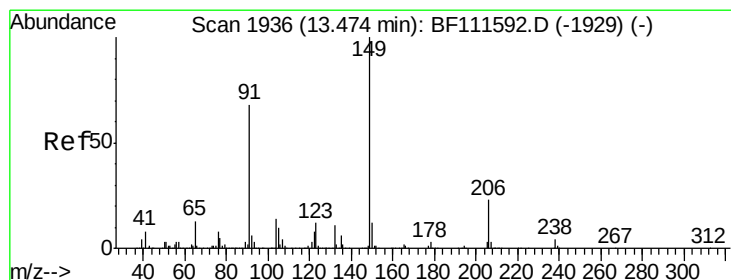
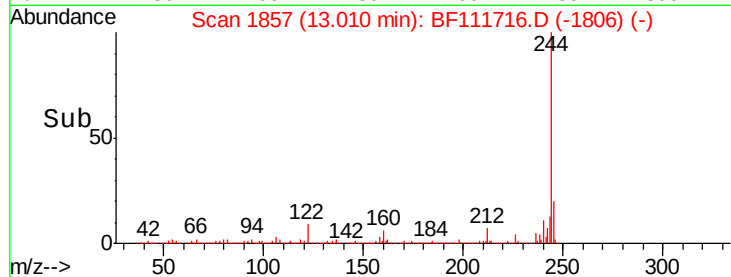
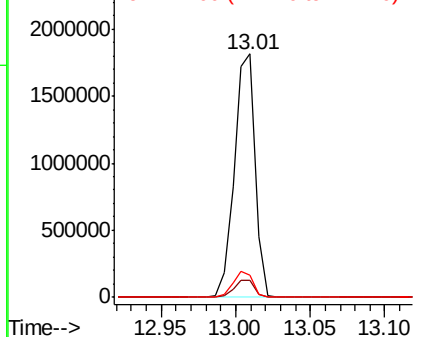
Sohil
12/27/2018 8:22:21 AM



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: 44.761 ng

RT: 13.48 min Scan# 1937

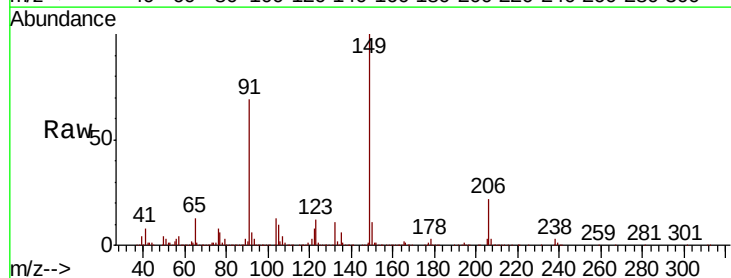
Delta R.T. -0.00 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Tgt Ion:149 Resp: 560431

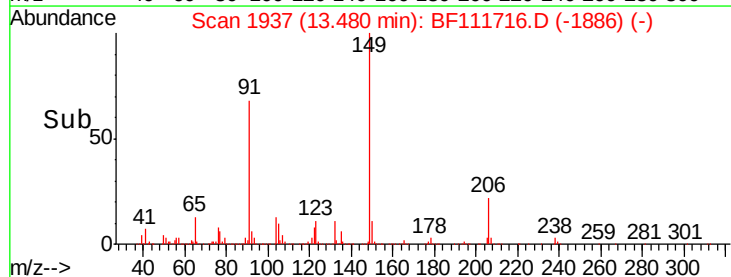
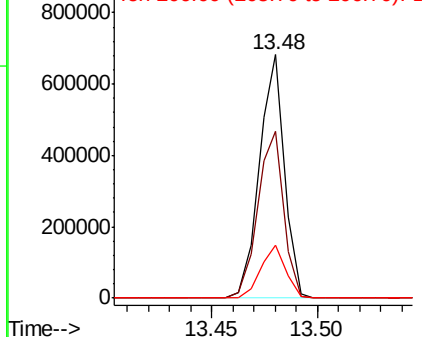
Ion	Ratio	Lower	Upper
149	100		
91	68.6	63.8	95.6
206	21.8	15.1	22.7

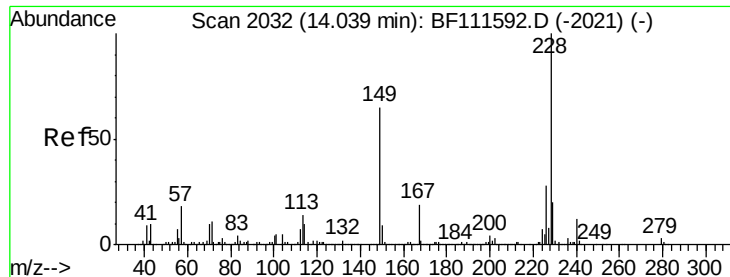


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 41.480 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Instrument :

BNA_F

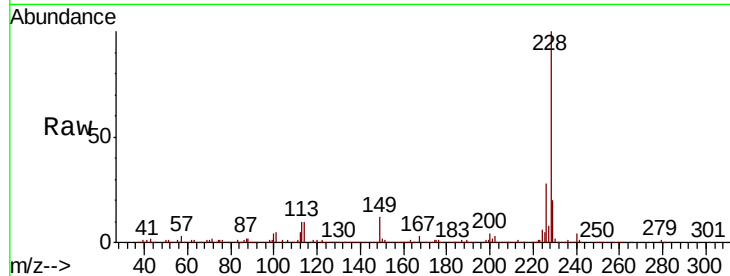
ClientSampleId :

S-1(5)MSD

Tot Ion:	228	Resp:	1029655
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.6	34.0
229	19.8	16.3	24.5

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:21 AM

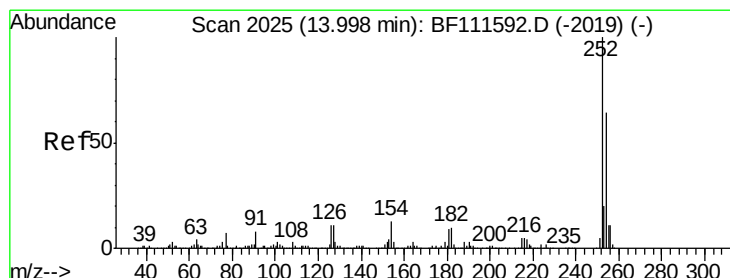
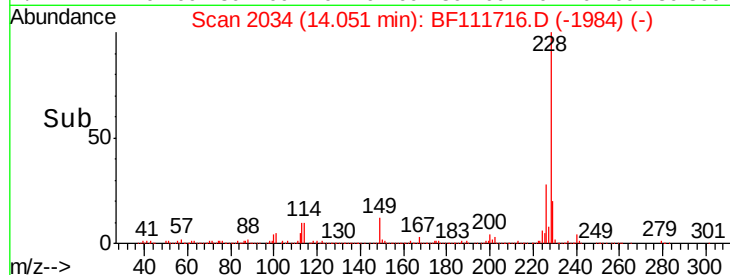
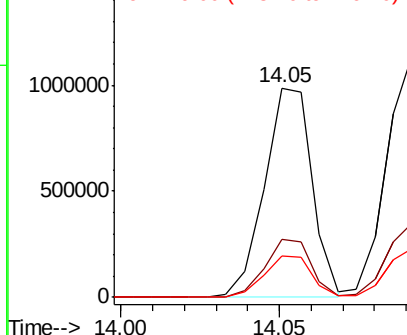


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 26.389 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

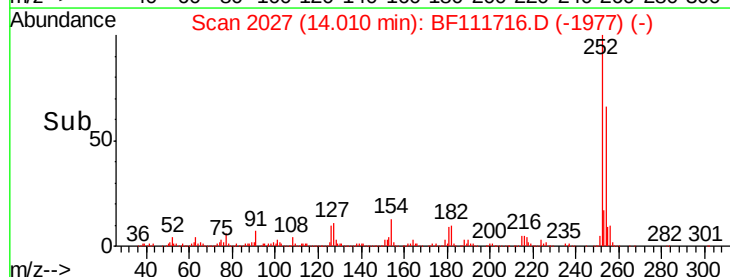
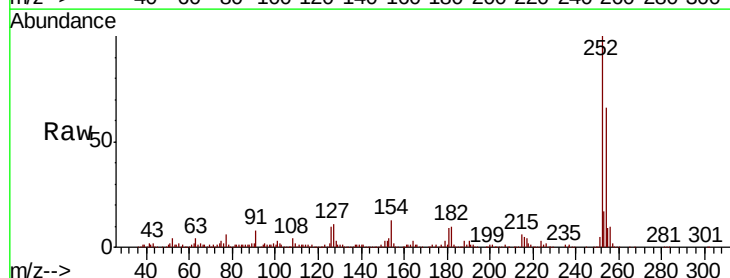
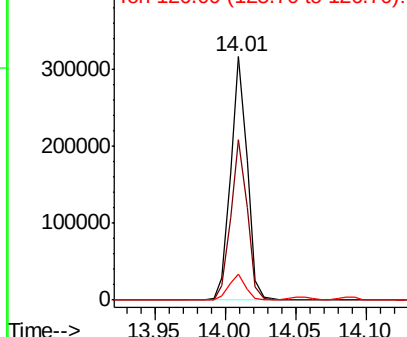
Tgt Ion:	252	Resp:	258810
Ion Ratio	Lower	Upper	
252	100		
254	65.8	52.7	79.1
126	10.4	11.1	16.7#

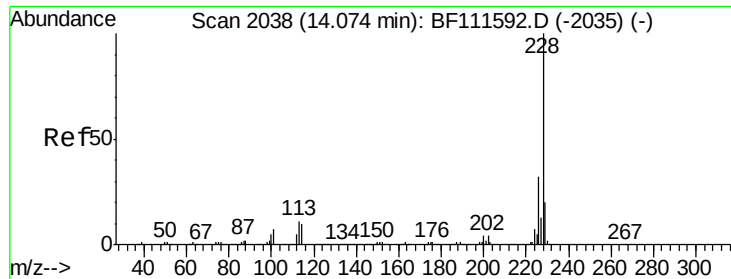
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





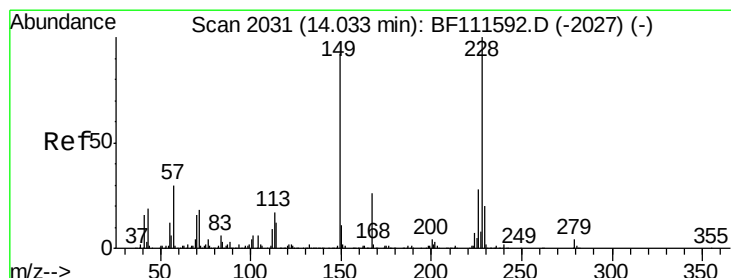
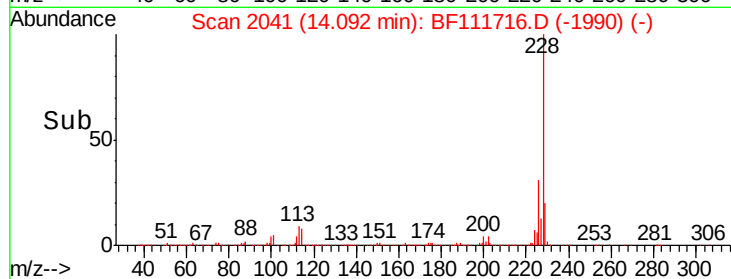
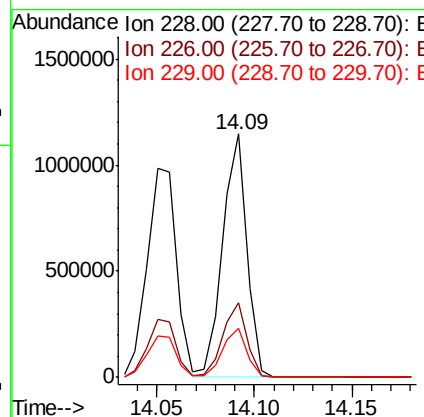
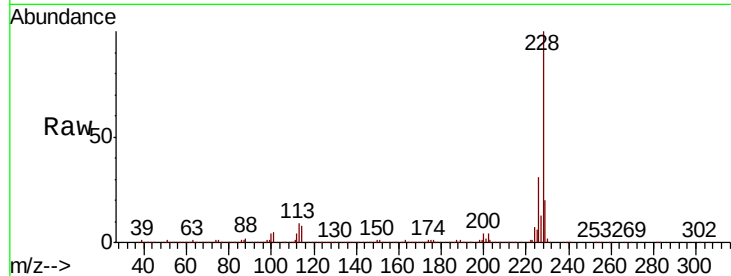
#83
 Chrysene
 Concen: 40.403 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.00 min
 Lab File: BF111716.D
 Acq: 26 Dec 2018 15:17

Instrument :
 BNA_F
 ClientSampleId :
 S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.3	37.9
229	20.0	17.2	25.8

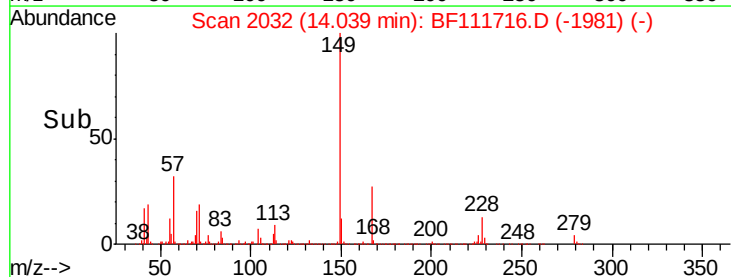
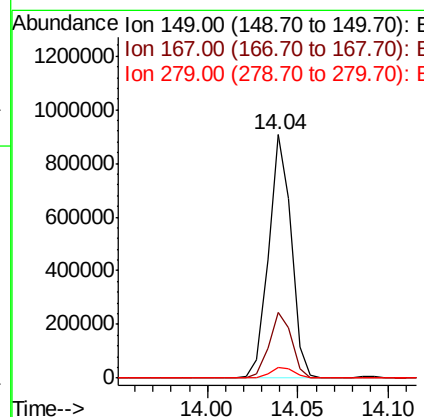
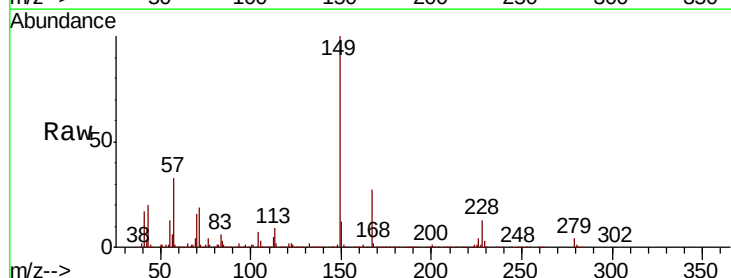
Manual Integrations
 APPROVED

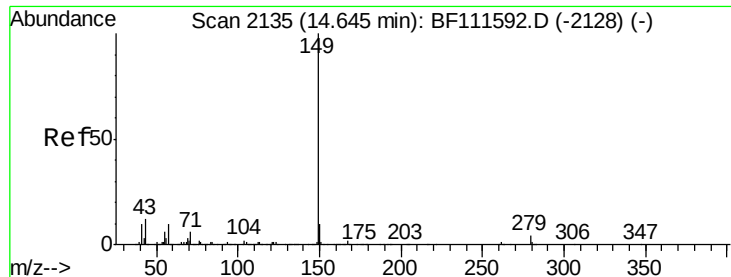
Sohil
 12/27/2018 8:22:21 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 49.716 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: BF111716.D
 Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.5	33.7
279	4.2	2.6	4.0#





#85

Di-n-octyl phthalate

Concen: 48.442 ng

RT: 14.66 min Scan# 2137

Delta R.T. -0.00 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

Instrument :

BNA_F

ClientSampleId :

S-1(5)MSD

Tot Ion:149 Resp: 1183675

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

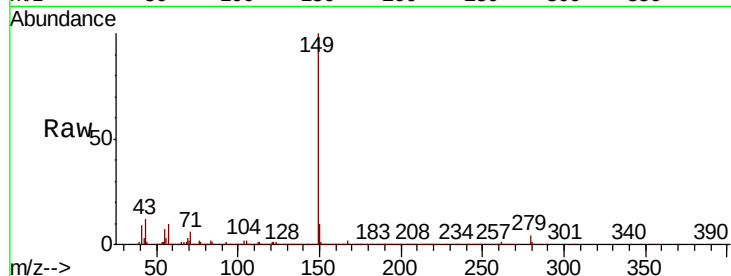
43 11.5 10.9 16.3

Manual Integrations

APPROVED

Sohil

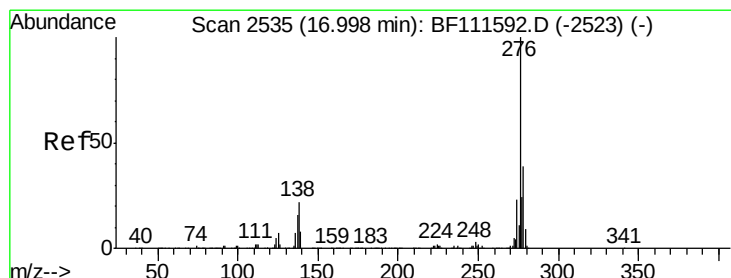
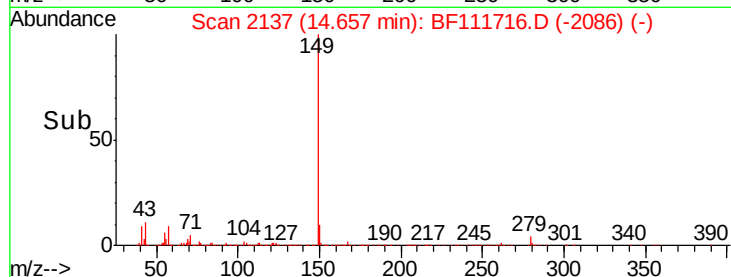
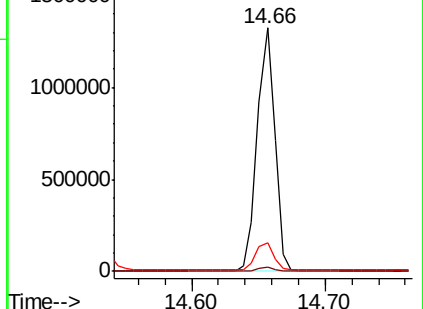
12/27/2018 8:22:21 AM



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: 36.003 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.01 min

Lab File: BF111716.D

Acq: 26 Dec 2018 15:17

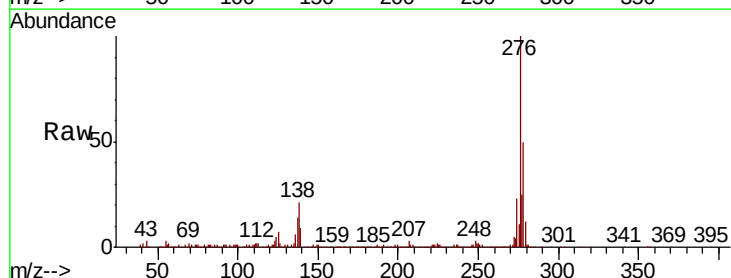
Tgt Ion:276 Resp: 746690

Ion Ratio Lower Upper

276 100

138 22.2 27.8 41.6#

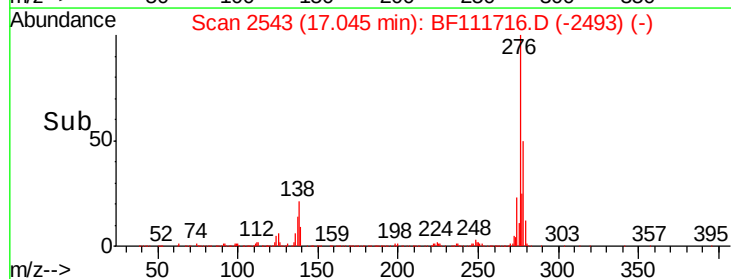
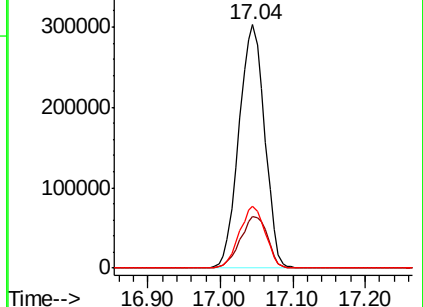
277 25.5 20.1 30.1

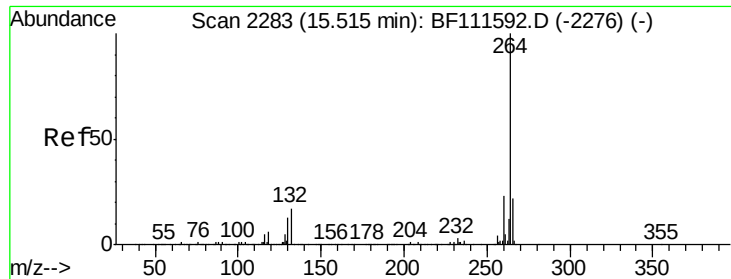


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





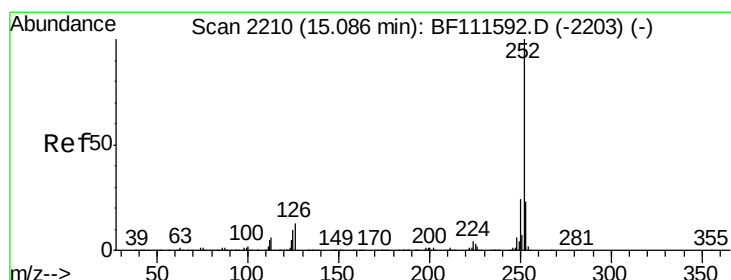
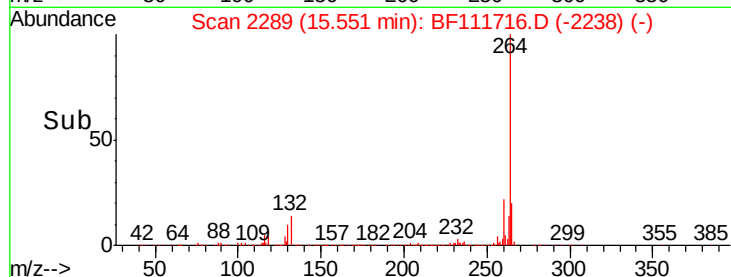
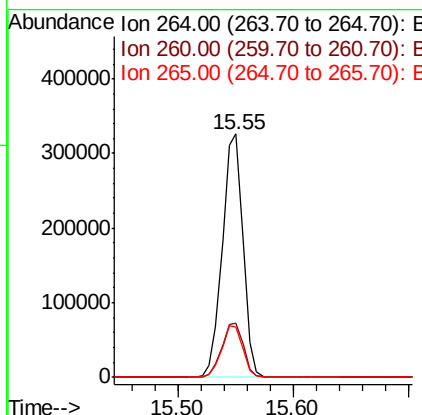
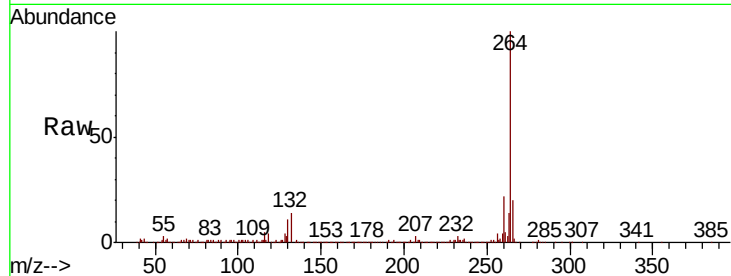
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.3	27.5
265	20.4	17.7	26.5

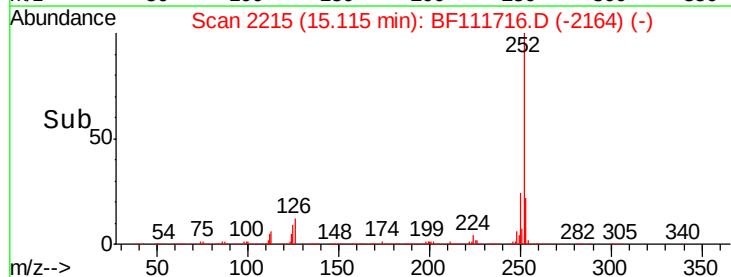
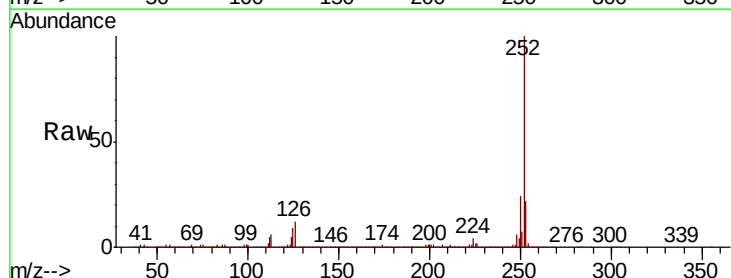
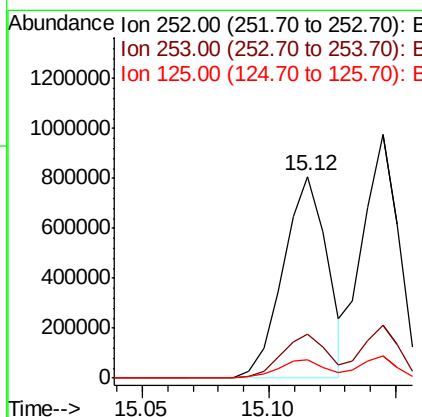
Manual Integrations
APPROVED

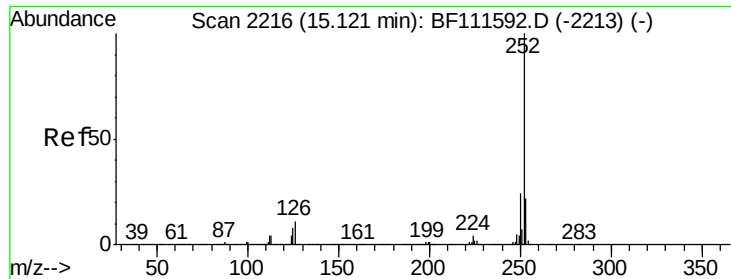
Sohil
12/27/2018 8:22:21 AM



#88
Benzo(b)fluoranthene
Concen: 41.381 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.2
125	9.2	10.4	15.6#





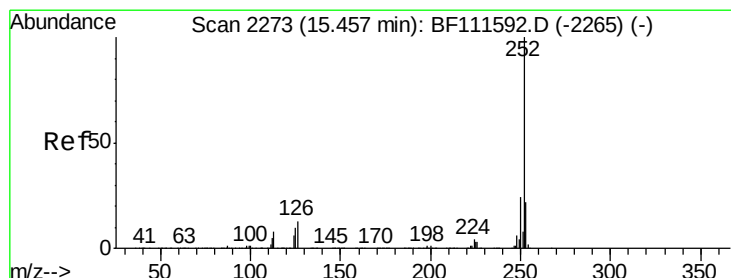
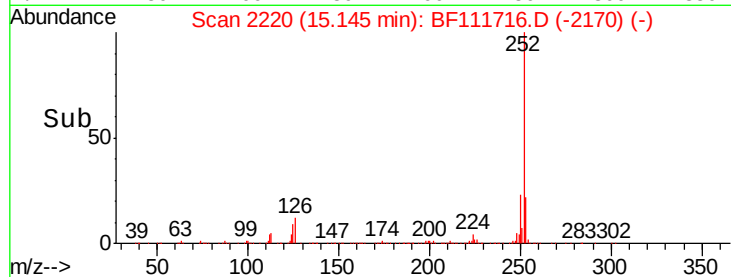
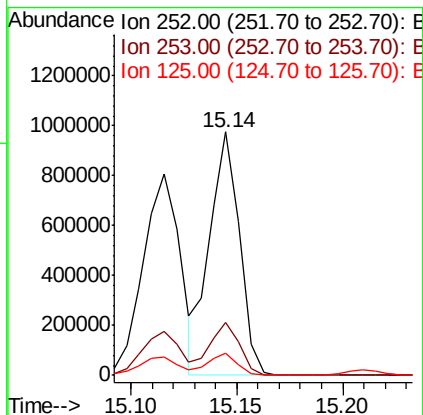
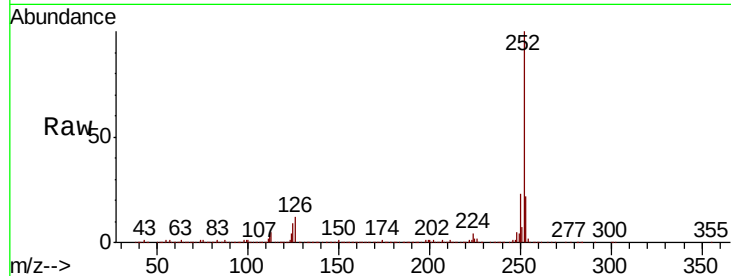
#89
Benzo(k)fluoranthene
Concen: 42.590 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampleId :
S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	9.1	9.8	14.8

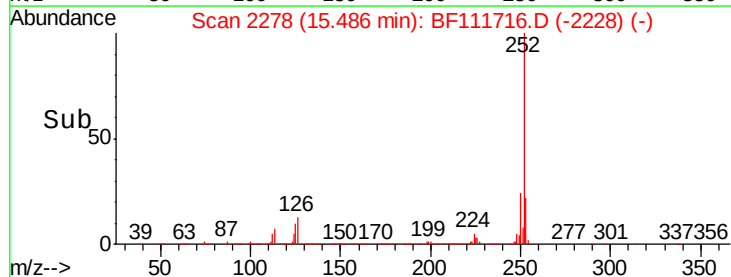
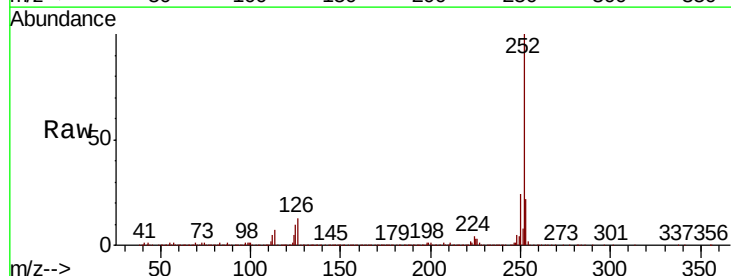
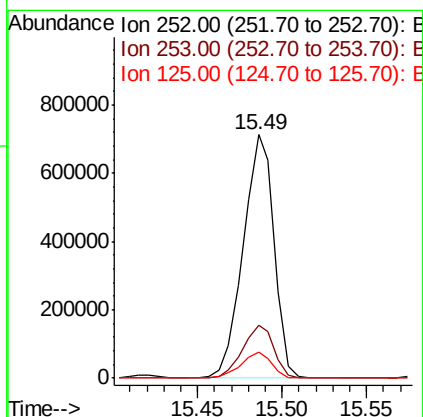
Manual Integrations
APPROVED

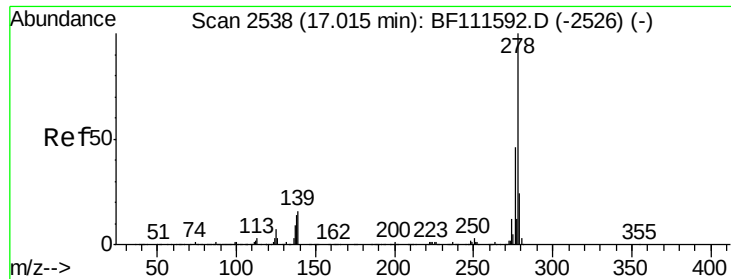
Sohil
12/27/2018 8:22:21 AM



#90
Benzo(a)pyrene
Concen: 42.102 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	10.5	12.3	18.5





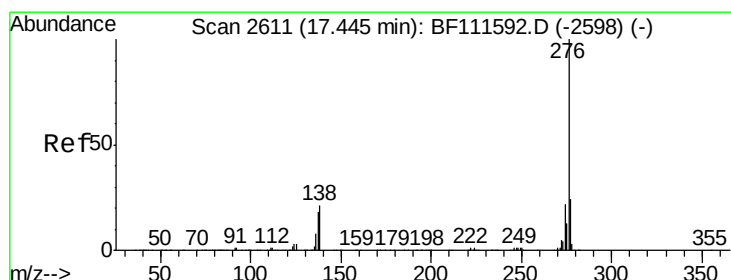
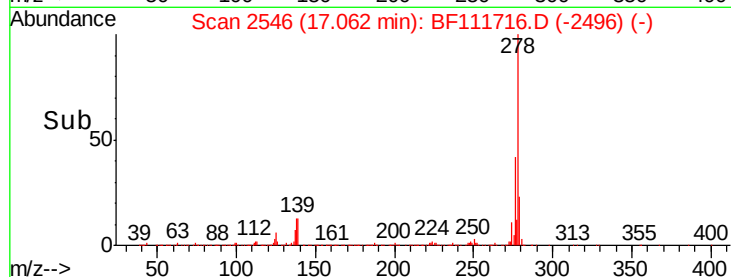
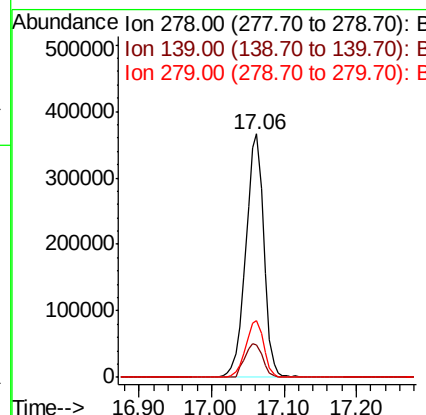
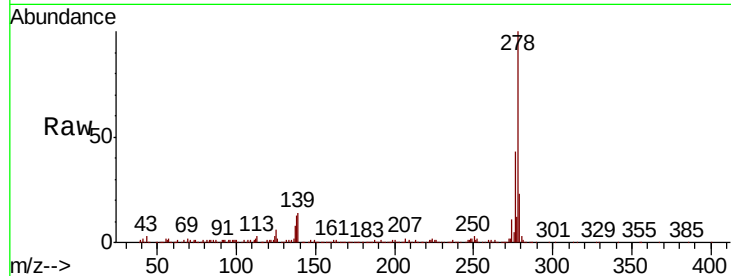
#91
Dibenzo(a,h)anthracene
Concen: 33.634 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Instrument :
BNA_F
ClientSampled :
S-1(5)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.6	18.2	27.4#
279	23.3	19.0	28.6

Manual Integrations
APPROVED

Sohil
12/27/2018 8:22:21 AM



#92
Benzo(g,h,i)perylene
Concen: 30.782 ng
RT: 17.49 min Scan# 2619
Delta R.T. -0.01 min
Lab File: BF111716.D
Acq: 26 Dec 2018 15:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	20.2	24.9	37.3#

