

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040819\
 Data File : BF113648.D
 Acq On : 8 Apr 2019 19:28
 Operator : JU/SJ
 Sample : K2309-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HA-040519MSD

Manual Integrations
 APPROVED

Sohil
 4/9/2019 10:15:57 AM

Quant Time: Apr 09 01:42:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	126207	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	478251	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	236451	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	443610	20.00	ng	0.00
76) Chrysene-d12	13.83	240	302085	20.00	ng	-0.01
87) Perylene-d12	15.24	264	311806	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	721106	97.43	ng	0.00
7) Phenol-d6	6.34	99	911240	99.89	ng	0.00
23) Nitrobenzene-d5	7.25	82	553444	67.78	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	282342	99.40	ng	0.00
45) 2-Fluorobiphenyl	9.04	172	977372	66.54	ng	-0.01
79) Terphenyl-d14	12.77	244	924563	62.31	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.35	88	96855	27.630	ng	96
3) Pyridine	3.07	79	245451	26.756	ng	99
4) n-Nitrosodimethylamine	2.99	42	110986	28.475	ng	92
6) Aniline	6.35	93	190294	17.210	ng	# 85
8) 2-Chlorophenol	6.47	128	275565	32.181	ng	99
9) Benzaldehyde	6.23	77	127794	23.561	ng	99
10) Phenol	6.35	94	335707	32.223	ng	# 76
11) bis(2-Chloroethyl)ether	6.42	93	252689	31.180	ng	98
12) 1,3-Dichlorobenzene	6.62	146	282751	30.662	ng	98
13) 1,4-Dichlorobenzene	6.70	146	293196	31.463	ng	99
14) 1,2-Dichlorobenzene	6.85	146	273733	32.543	ng	98
15) Benzyl Alcohol	6.83	79	195601	31.713	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.96	45	398573	31.596	ng	72
17) 2-Methylphenol	6.96	107	228396	34.417	ng	# 91
18) Hexachloroethane	7.19	117	102477	30.212	ng	100
19) n-Nitroso-di-n-propylamine	7.10	70	189647	33.715	ng	98
20) 3+4-Methylphenols	7.12	107	301347	37.478	ng	91
22) Acetophenone	7.09	105	370849	35.306	ng	98
24) Nitrobenzene	7.26	77	276842	32.925	ng	94
25) Isophorone	7.51	82	520590	33.099	ng	99
26) 2-Nitrophenol	7.59	139	149957	33.137	ng	94
27) 2,4-Dimethylphenol	7.63	122	251624	38.894	ng	99
28) bis(2-Chloroethoxy)methane	7.72	93	330629	33.250	ng	99
29) 2,4-Dichlorophenol	7.84	162	244720	35.354	ng	99
30) 1,2,4-Trichlorobenzene	7.91	180	248739	33.090	ng	96
31) Naphthalene	7.99	128	800059	34.526	ng	99
32) Benzoic acid	7.75	122	33136	6.614	ng	98
33) 4-Chloroaniline	8.05	127	107137	11.660	ng	97
34) Hexachlorobutadiene	8.10	225	147635	32.214	ng	99
35) Caprolactam	8.40	113	74377m	33.849	ng	
36) 4-Chloro-3-methylphenol	8.54	107	245712	35.361	ng	97
37) 2-Methylnaphthalene	8.67	142	541099	35.504	ng	98
38) 1-Methylnaphthalene	8.77	142	505448	34.394	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.85	216	254641	33.299	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040819\
 Data File : BF113648.D
 Acq On : 8 Apr 2019 19:28
 Operator : JU/SJ
 Sample : K2309-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HA-040519MSD

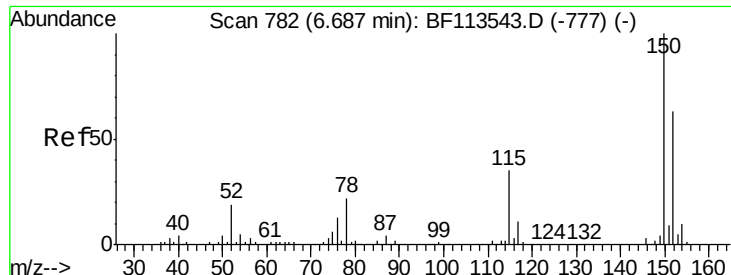
Manual Integrations
 APPROVED

Sohil
 4/9/2019 10:15:57 AM

Quant Time: Apr 09 01:42:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.83	237	110927	47.905	ng	99
43) 2,4,6-Trichlorophenol	8.96	196	170111	35.242	ng	97
44) 2,4,5-Trichlorophenol	9.02	196	180335	34.799	ng	98
46) 1,1'-Biphenyl	9.14	154	660871	33.871	ng	99
47) 2-Chloronaphthalene	9.16	162	498812	33.765	ng	99
48) 2-Nitroaniline	9.27	65	157136	34.762	ng	95
49) Acenaphthylene	9.57	152	800791	33.335	ng	100
50) Dimethylphthalate	9.44	163	657418	37.718	ng	100
51) 2,6-Dinitrotoluene	9.51	165	132405	34.463	ng	91
52) Acenaphthene	9.75	154	463047	33.673	ng	99
53) 3-Nitroaniline	9.67	138	101084	23.141	ng	91
54) 2,4-Dinitrophenol	9.80	184	32845	18.273	ng	94
55) Dibenzofuran	9.92	168	692265	34.319	ng	98
56) 4-Nitrophenol	9.87	139	148207	54.696	ng	99
57) 2,4-Dinitrotoluene	9.92	165	161456	34.747	ng	94
58) Fluorene	10.26	166	535772	33.582	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.05	232	150715	33.599	ng	98
60) Diethylphthalate	10.14	149	583498	34.723	ng	99
61) 4-Chlorophenyl-phenylether	10.25	204	276570	35.244	ng	96
62) 4-Nitroaniline	10.29	138	129478	29.149	ng	99
63) Azobenzene	10.42	77	523252	32.885	ng	98
65) 4,6-Dinitro-2-methylphenol	10.33	198	31861	13.643	ng	80
66) n-Nitrosodiphenylamine	10.37	169	489839	35.968	ng	100
67) 4-Bromophenyl-phenylether	10.74	248	171971	34.565	ng	99
68) Hexachlorobenzene	10.82	284	194718	34.156	ng	# 93
69) Atrazine	10.90	200	155163	36.148	ng	97
70) Pentachlorophenol	11.02	266	149934	55.815	ng	98
71) Phenanthrene	11.22	178	789326	35.808	ng	100
72) Anthracene	11.27	178	790797	35.260	ng	99
73) Carbazole	11.43	167	717631	34.212	ng	99
74) Di-n-butylphthalate	11.76	149	892640	35.773	ng	100
75) Fluoranthene	12.41	202	853146	36.118	ng	99
77) Benzidine	12.53	184	165993	14.777	ng	98
78) Pyrene	12.63	202	841813	36.624	ng	100
80) Butylbenzylphthalate	13.24	149	336468	35.961	ng	98
81) Benzo(a)anthracene	13.82	228	611954	35.117	ng	100
82) 3,3'-Dichlorobenzidine	13.78	252	121150	18.050	ng	100
83) Chrysene	13.86	228	607252	34.376	ng	100
84) Bis(2-ethylhexyl)phthalate	13.81	149	469627	41.514	ng	99
85) Di-n-octyl phthalate	14.42	149	737162	40.089	ng	99
86) Indeno(1,2,3-cd)pyrene	16.61	276	673017	41.265	ng	99
88) Benzo(b)fluoranthene	14.84	252	692853	36.301	ng	99
89) Benzo(k)fluoranthene	14.87	252	527314	30.784	ng	99
90) Benzo(a)pyrene	15.18	252	600680	35.417	ng	99
91) Dibenzo(a,h)anthracene	16.61	278	561100	35.378	ng	99
92) Benzo(g,h,i)perylene	17.01	276	551295	34.055	ng	100

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



#1

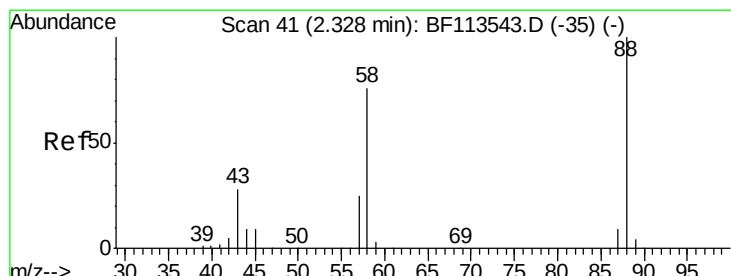
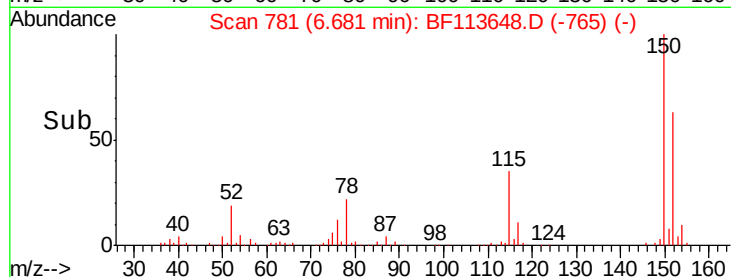
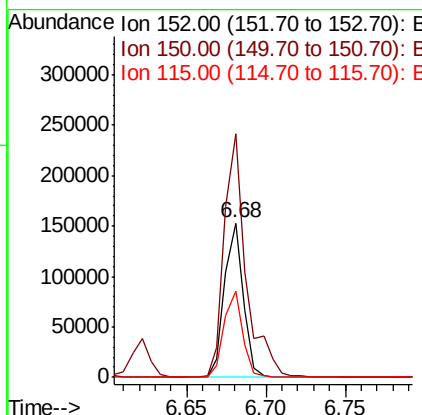
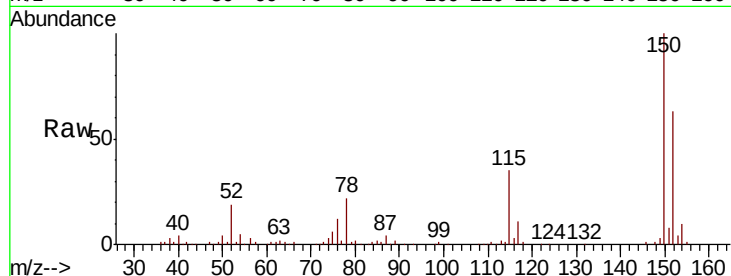
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.68 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Instrument :
 BNA_F
 ClientSampleId :
 HA-040519MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.7	187.1
115	55.9	46.0	69.0

Manual Integrations
 APPROVED

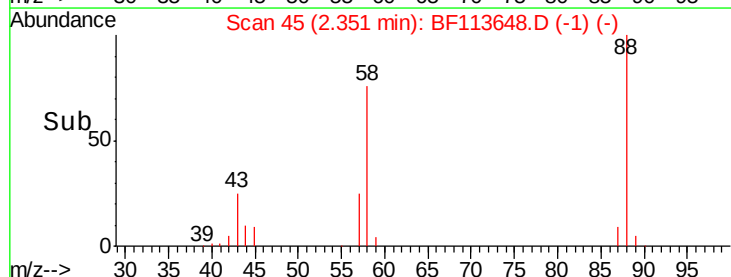
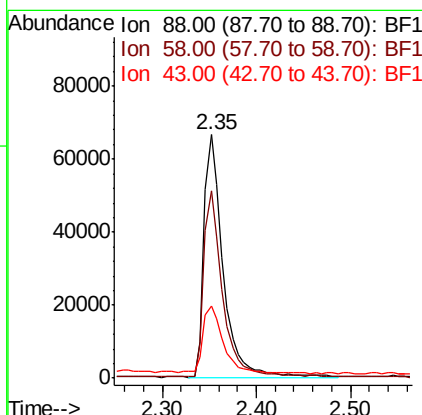
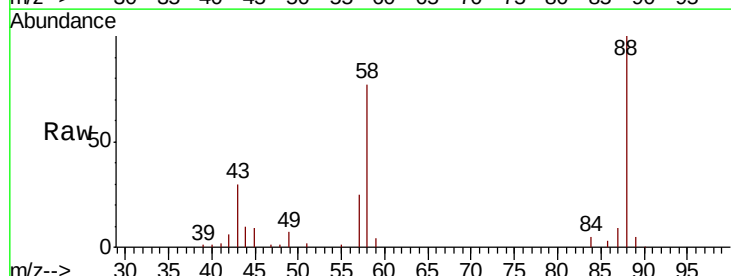
Sohil
 4/9/2019 10:15:57 AM

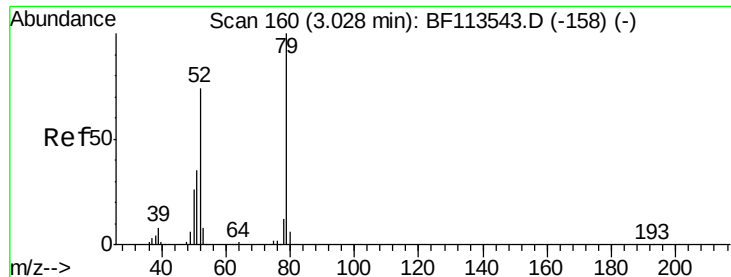


#2

1,4-Dioxane
 Concen: 27.630 ng
 RT: 2.35 min Scan# 45
 Delta R.T. 0.02 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.6	61.9	92.9
43	27.9	24.2	36.4





#3

Pvridine

Concen: 26.756 ng

RT: 3.07 min Scan# 168

Delta R.T. 0.05 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

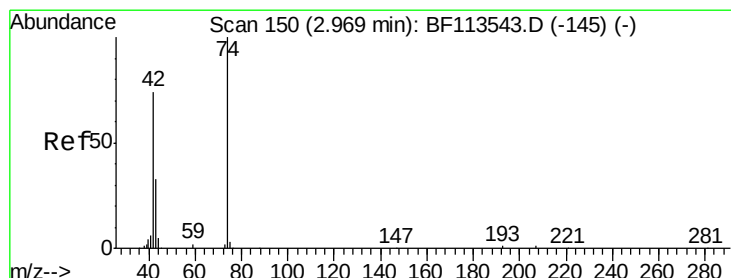
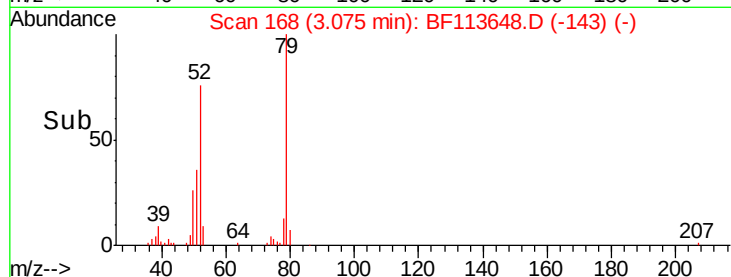
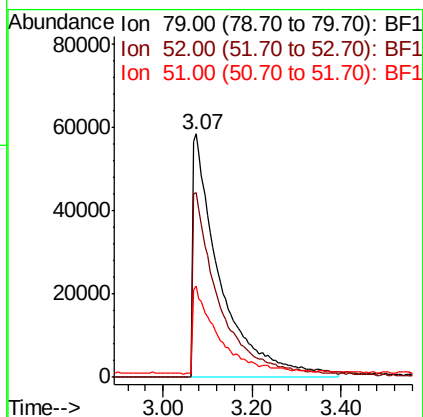
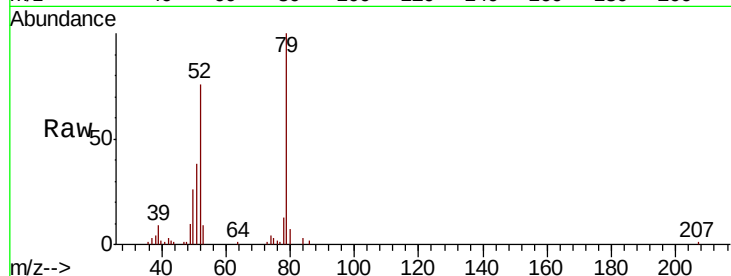
ClientSampleId :

HA-040519MSD

Tot Ion:	79	Resp:	245451
Ion Ratio	Lower	Upper	
79	100		
52	75.9	61.0	91.4
51	37.7	30.6	45.8

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM



#4

n-Nitrosodimethylamine

Concen: 28.475 ng

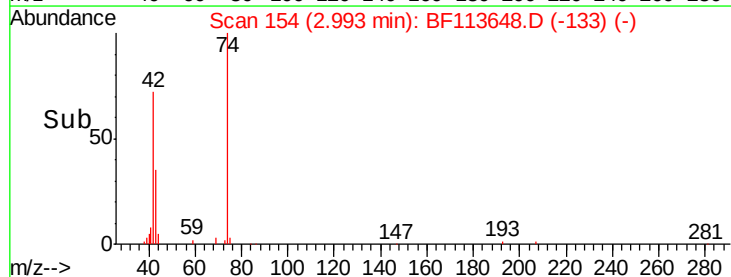
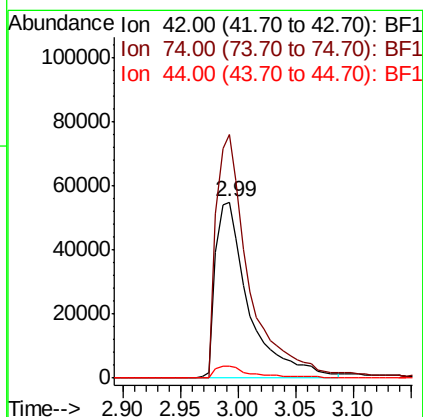
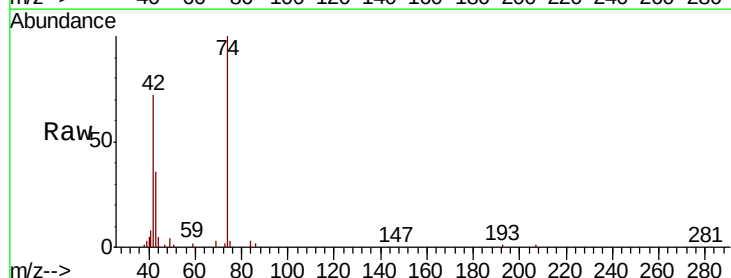
RT: 2.99 min Scan# 154

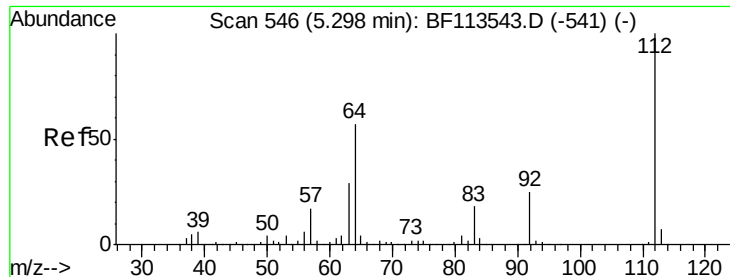
Delta R.T. 0.02 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Tgt Ion:	42	Resp:	110986
Ion Ratio	Lower	Upper	
42	100		
74	138.0	102.4	153.6
44	7.1	5.5	8.3





#5

2-Fluorophenol

Concen: 97.431 ng

RT: 5.30 min Scan# 547

Delta R.T. 0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

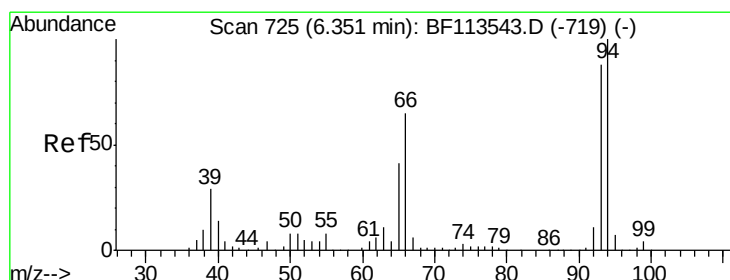
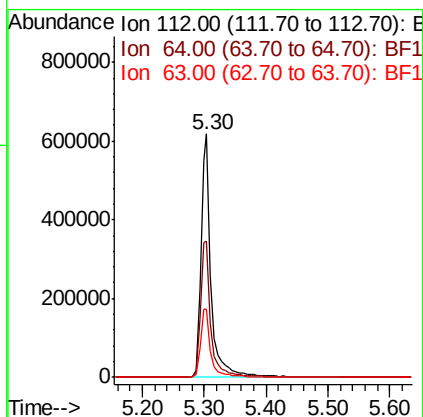
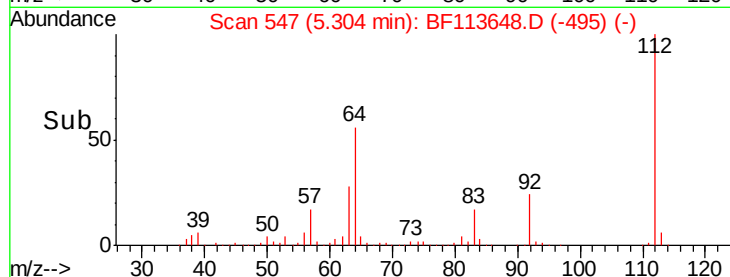
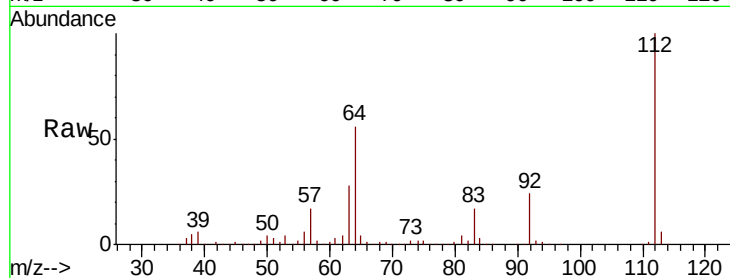
ClientSampleId :

HA-040519MSD

Tot Ion:	112	Resp:	721106
Ion Ratio	Lower	Upper	
112	100		
64	56.0	49.2	73.8
63	28.1	24.9	37.3

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM



#6

Aniline

Concen: 17.210 ng

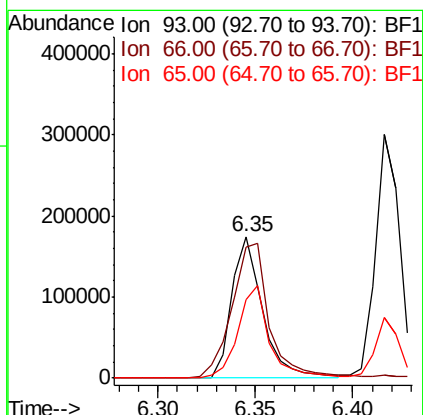
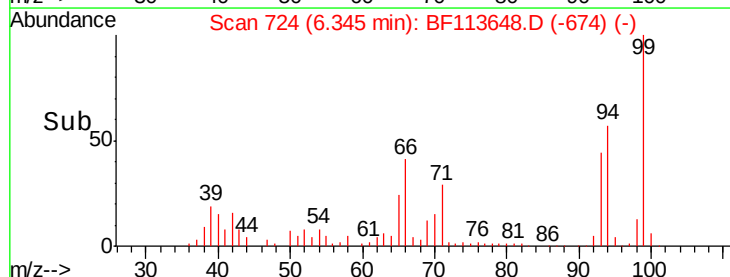
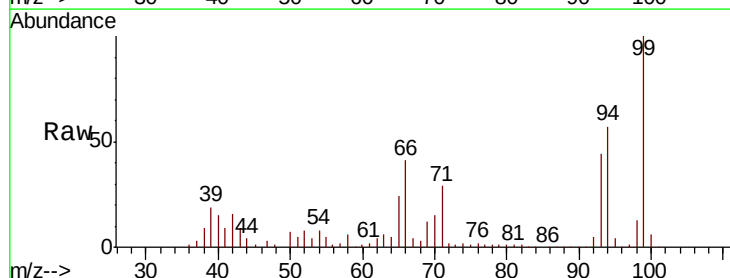
RT: 6.35 min Scan# 724

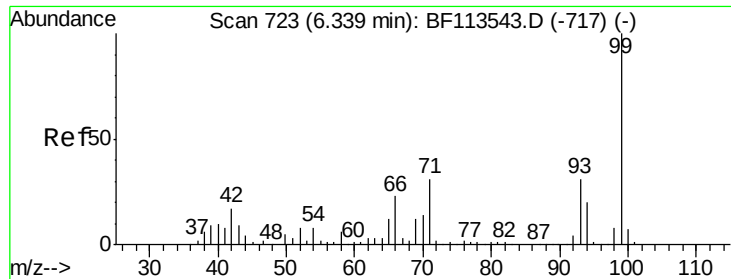
Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Tgt Ion:	93	Resp:	190294
Ion Ratio	Lower	Upper	
93	100		
66	93.1	62.1	93.1#
65	55.6	38.7	58.1





#7

Phenol-d6

Concen: 99.895 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

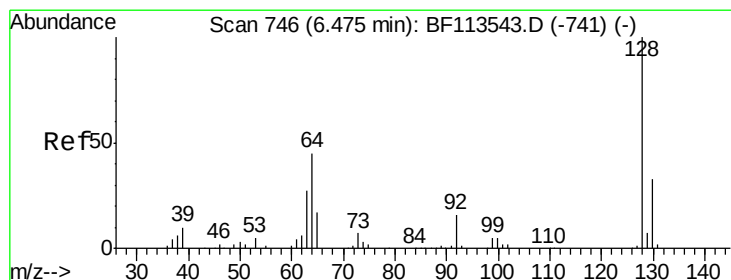
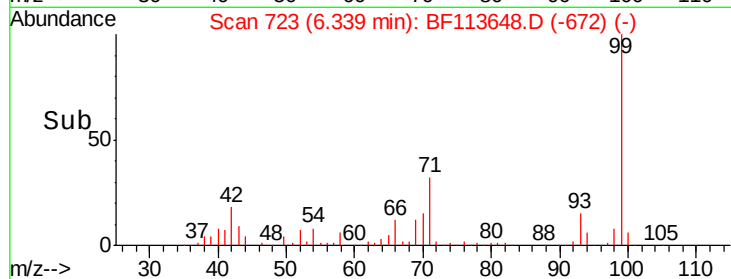
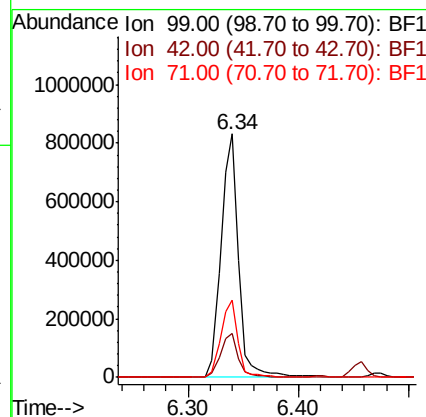
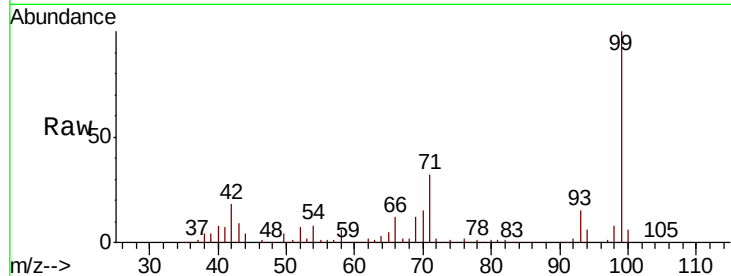
ClientSampleId :

HA-040519MSD

Tot Ion:	99	Resp:	911240
Ion Ratio	Lower	Upper	
99	100		
42	18.1	14.8	22.2
71	31.6	24.9	37.3

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM



#8

2-Chlorophenol

Concen: 32.181 ng

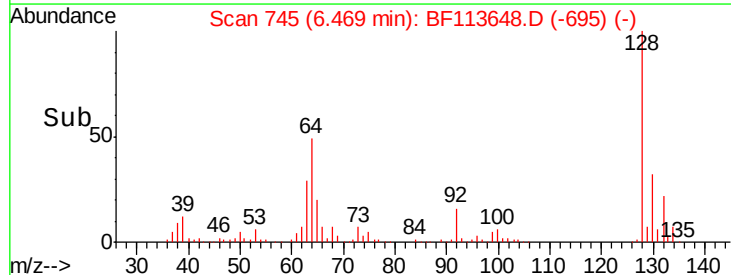
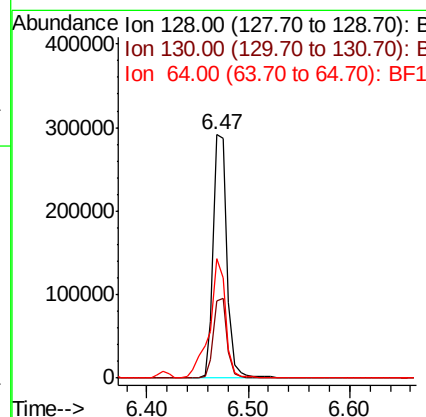
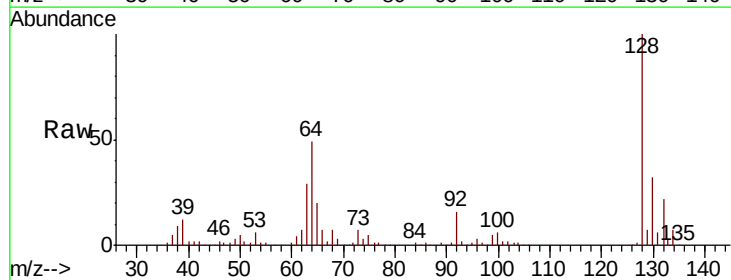
RT: 6.47 min Scan# 745

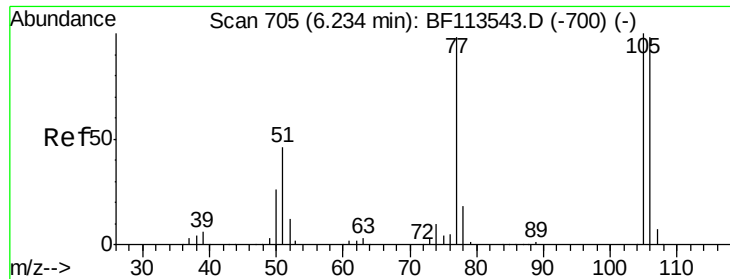
Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Tgt Ion:	128	Resp:	275565
Ion Ratio	Lower	Upper	
128	100		
130	31.5	12.6	52.6
64	49.2	29.4	69.4





#9

Benzaldehyde

Concen: 23.561 ng

RT: 6.23 min Scan# 704

Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

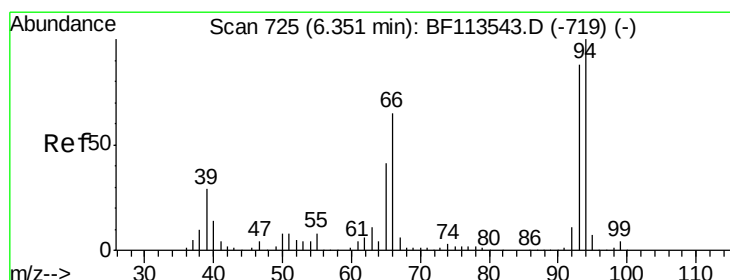
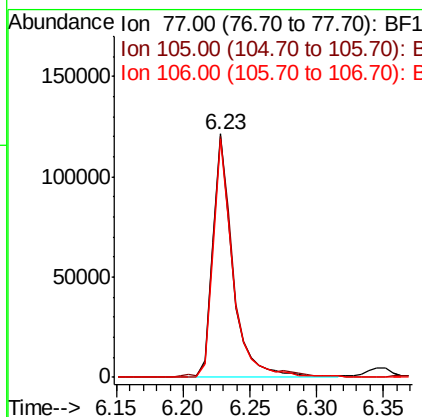
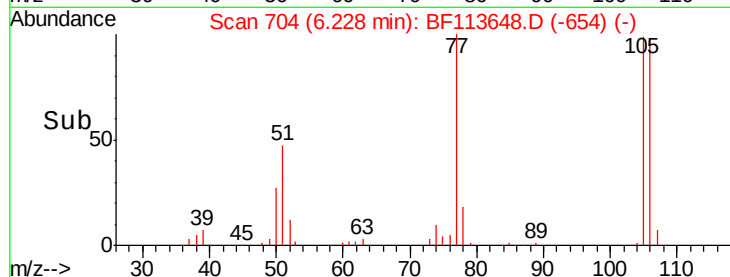
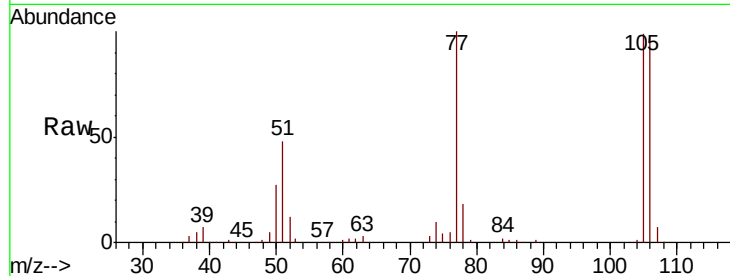
ClientSampleId :

HA-040519MSD

Tot Ion:	77	Resp:	127794
Ion	Ratio	Lower	Upper
77	100		
105	99.1	80.9	120.9
106	97.7	77.8	117.8

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM



#10

Phenol

Concen: 32.223 ng

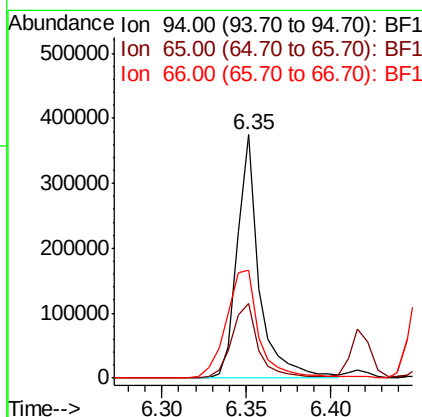
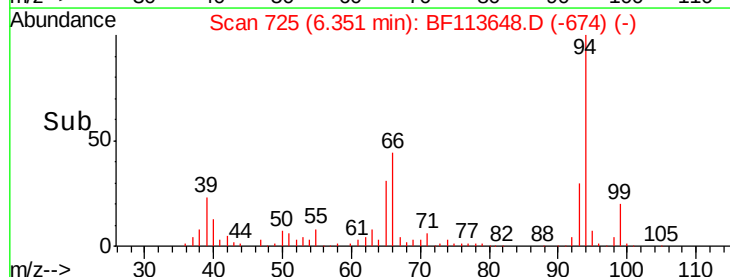
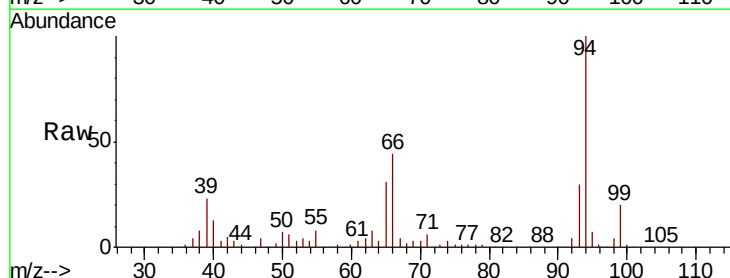
RT: 6.35 min Scan# 725

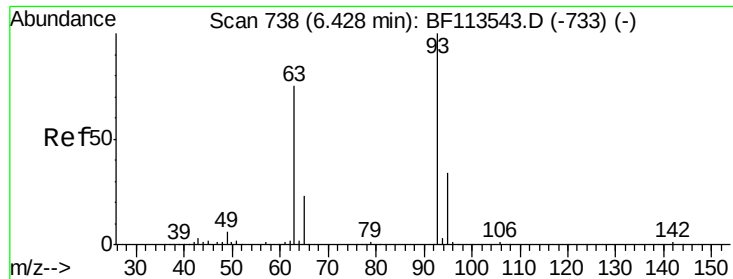
Delta R.T. -0.00 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Tgt Ion:	94	Resp:	335707
Ion	Ratio	Lower	Upper
94	100		
65	30.6	21.4	61.4
66	44.4	46.4	86.4





#11

bis(2-Chloroethyl)ether

Concen: 31.180 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

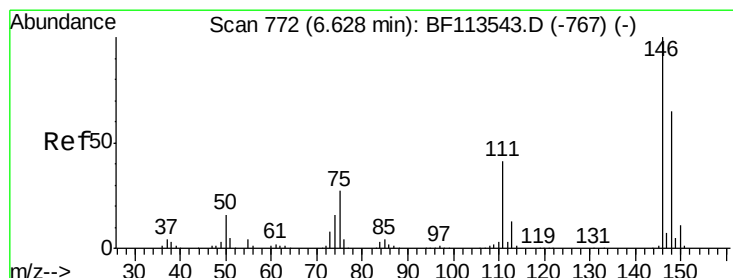
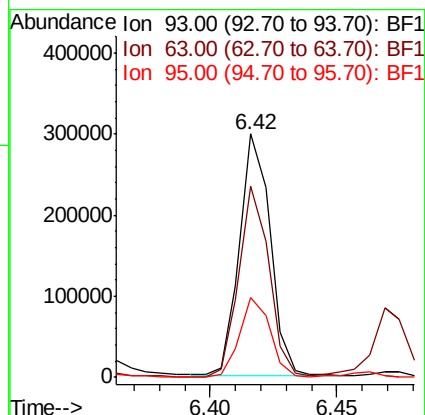
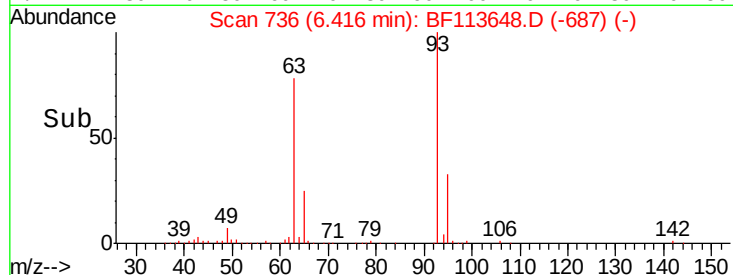
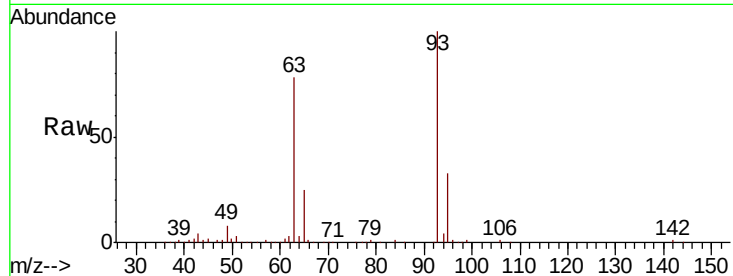
ClientSampleId :

HA-040519MSD

Tot Ion:	93	Resp:	252689
Ion Ratio	Lower	Upper	
93	100		
63	78.5	56.1	96.1
95	32.5	12.8	52.8

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM



#12

1,3-Dichlorobenzene

Concen: 30.662 ng

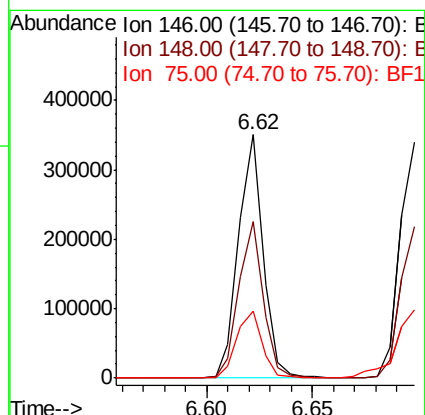
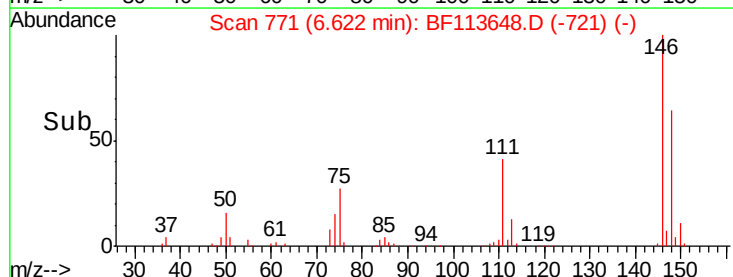
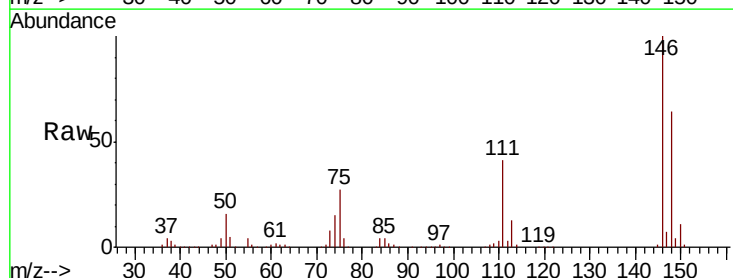
RT: 6.62 min Scan# 771

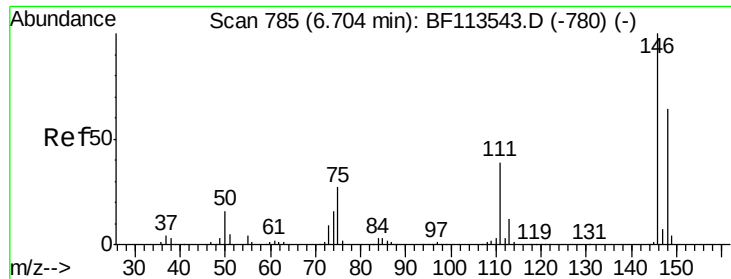
Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Tgt Ion:	146	Resp:	282751
Ion Ratio	Lower	Upper	
146	100		
148	64.1	51.4	77.0
75	27.4	24.8	37.2





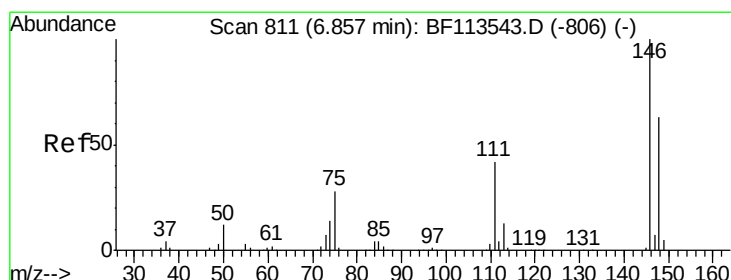
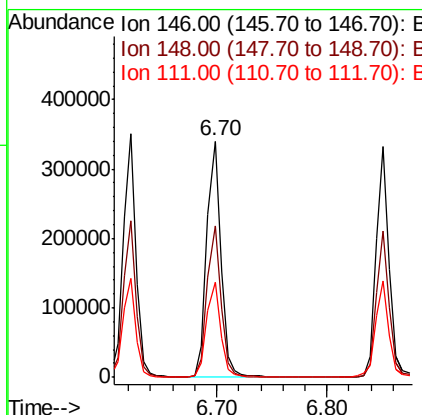
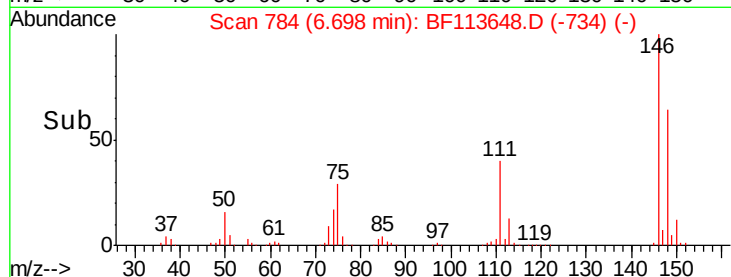
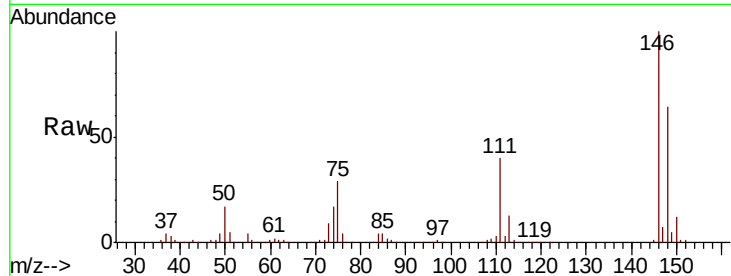
#13
 1,4-Dichlorobenzene
 Concen: 31.463 ng
 RT: 6.70 min Scan# 784
 Delta R.T. -0.01 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Instrument :
 BNA_F
 ClientSampleId :
 HA-040519MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	40.0	32.8	49.2

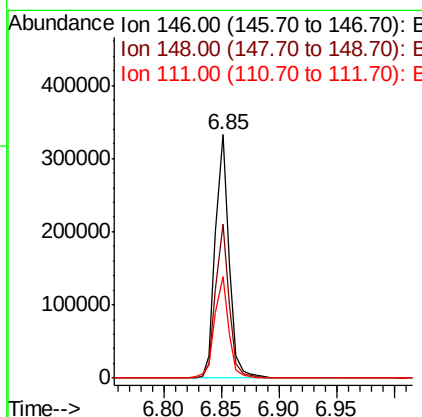
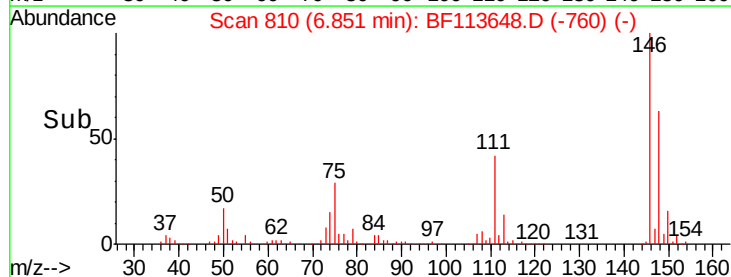
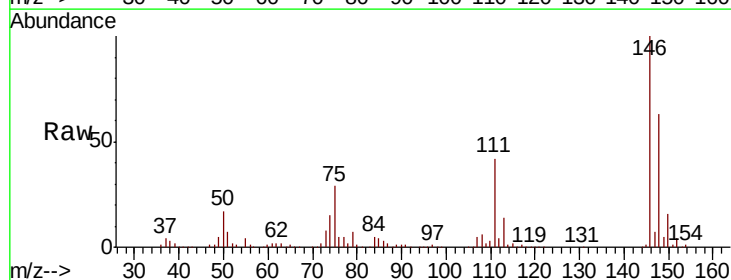
Manual Integrations
 APPROVED

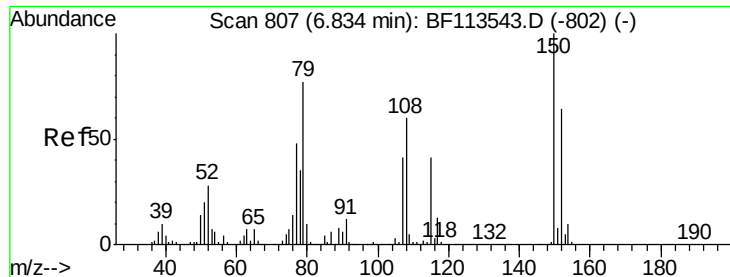
Sohil
 4/9/2019 10:15:57 AM



#14
 1,2-Dichlorobenzene
 Concen: 32.543 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.2	75.4
111	41.9	35.4	53.2





#15

Benzyl Alcohol

Concen: 31.713 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

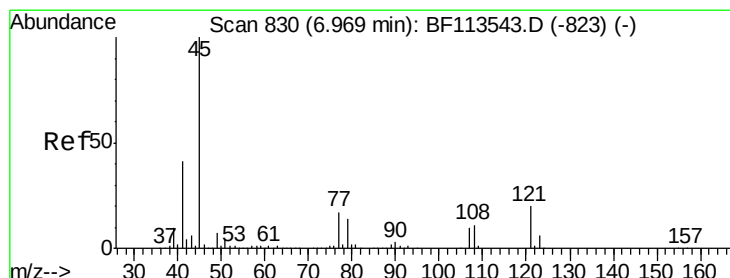
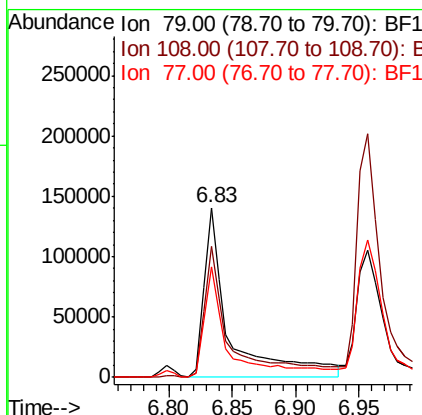
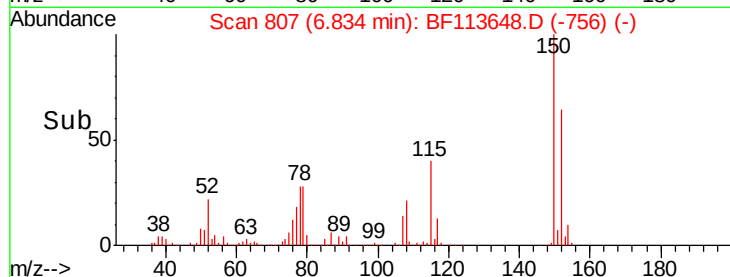
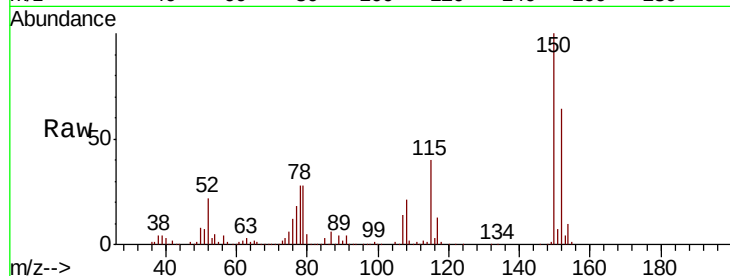
ClientSampleID :

HA-040519MSD

Tot Ion:	79	Resp:	195601
Ion Ratio	Lower	Upper	
79	100		
108	77.3	62.0	93.0
77	65.0	49.9	74.9

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 31.596 ng

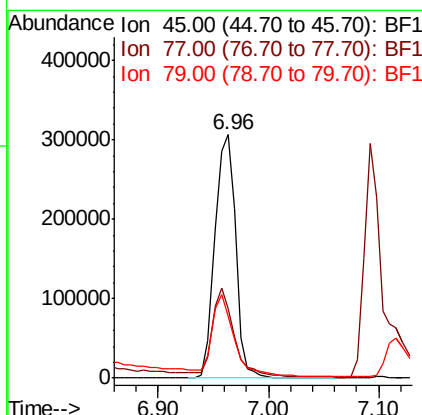
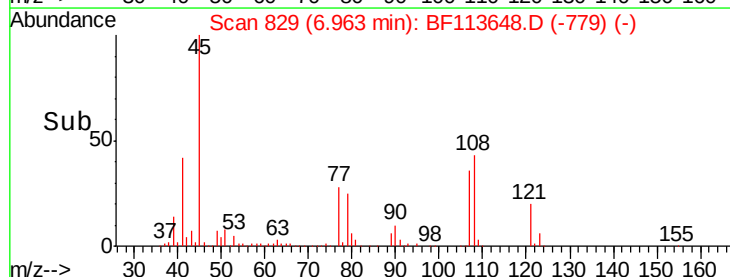
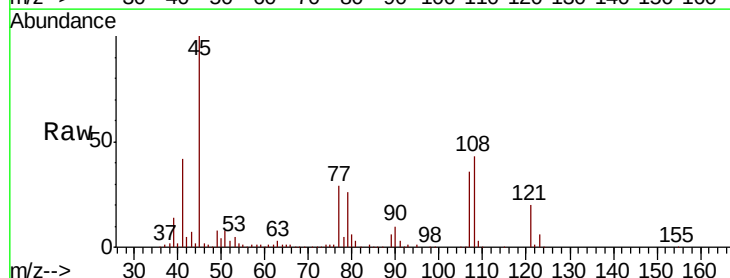
RT: 6.96 min Scan# 829

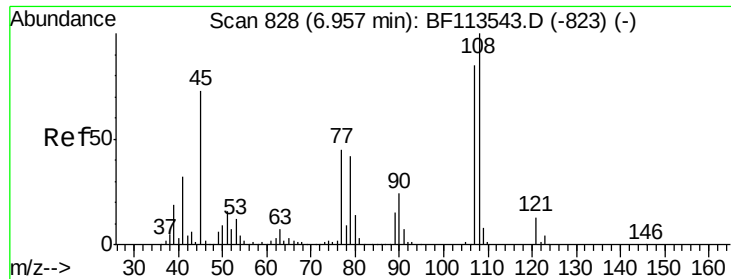
Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Tgt Ion:	45	Resp:	398573
Ion Ratio	Lower	Upper	
45	100		
77	28.7	0.0	36.6
79	25.7	0.0	34.0





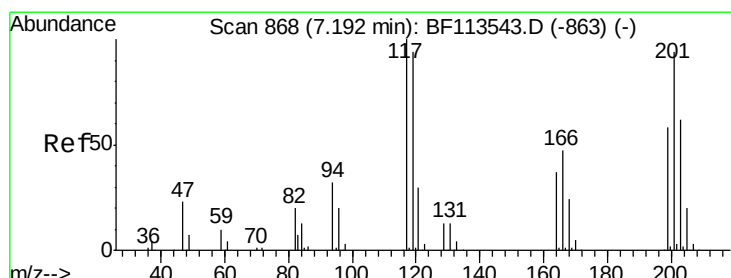
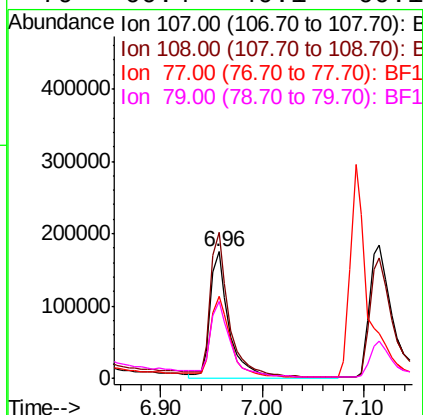
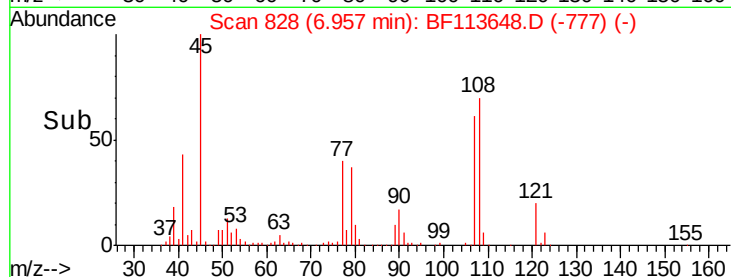
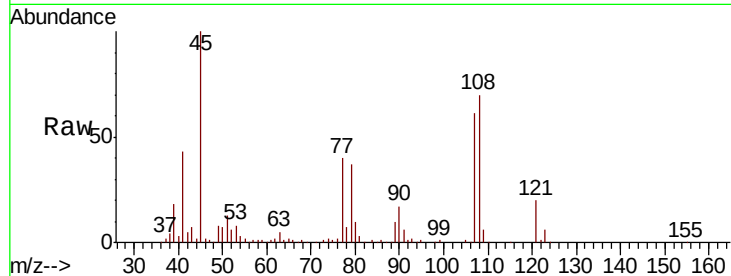
#17
2-Methylphenol
Concen: 34.417 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	115.5	93.4	140.0	
77	65.4	41.2	61.8	
79	60.4	40.1	60.1	

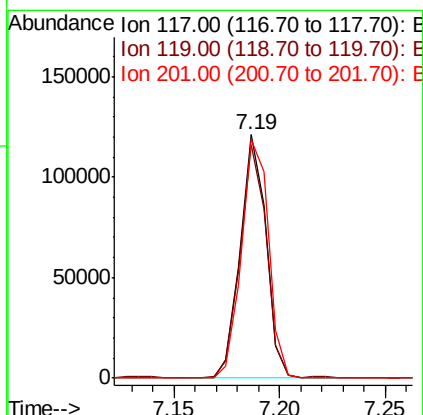
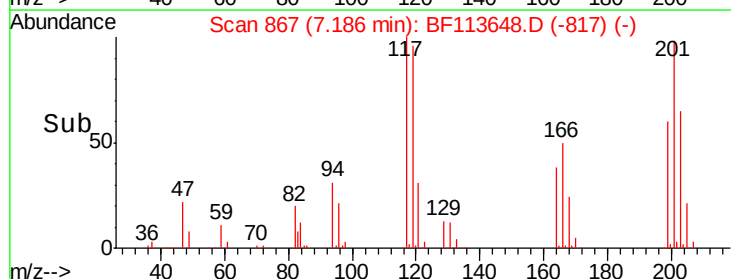
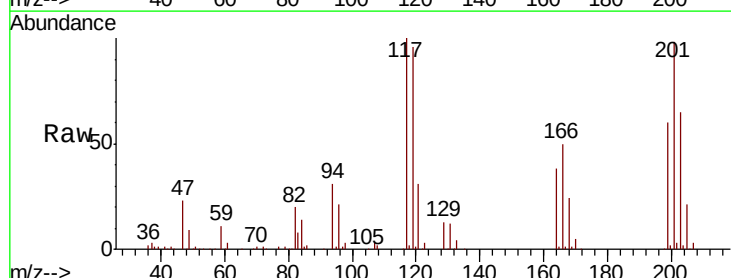
Manual Integrations
APPROVED

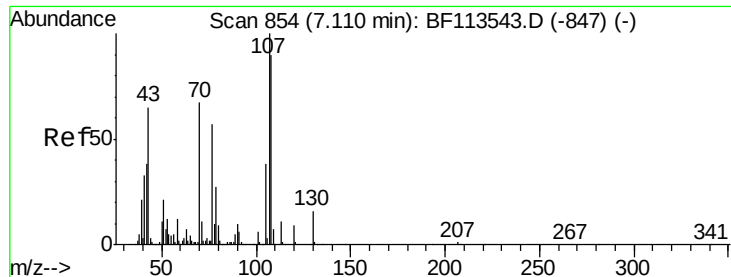
Sohil
4/9/2019 10:15:57 AM



#18
Hexachloroethane
Concen: 30.212 ng
RT: 7.19 min Scan# 867
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.1	76.9	115.3	
201	97.9	78.7	118.1	





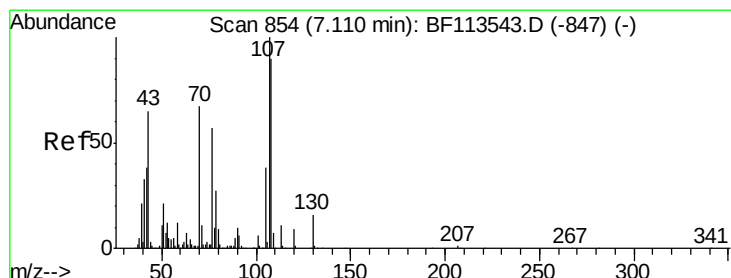
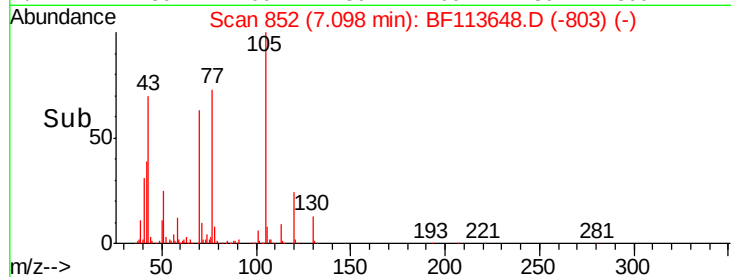
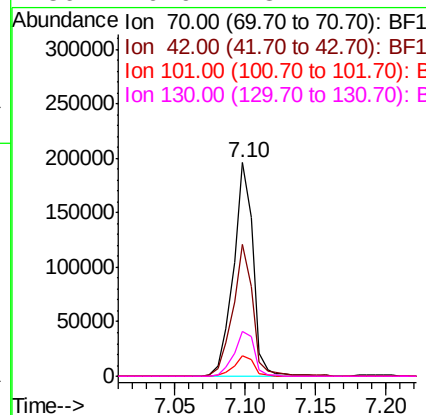
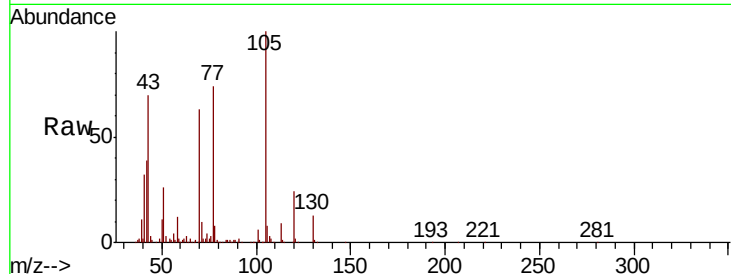
#19
n-Nitroso-di-n-propylamine
Concen: 33.715 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		189647		
42	61.8	48.4	72.6		
101	9.3	7.8	11.8		
130	20.9	18.2	27.4		

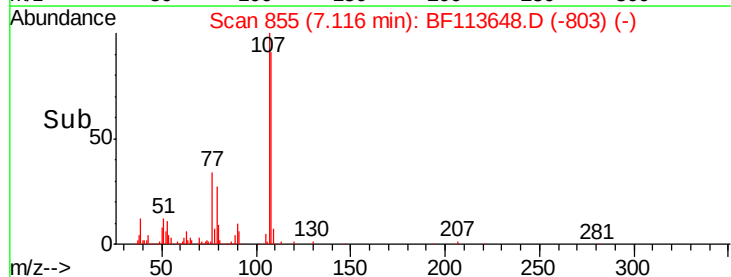
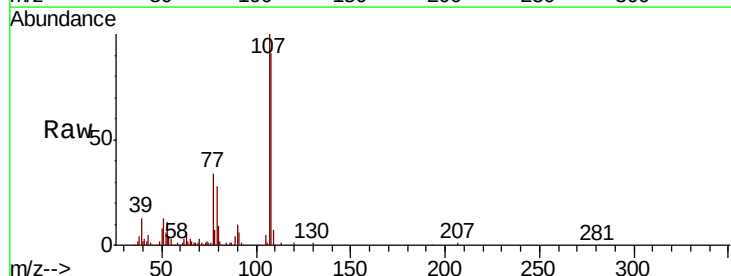
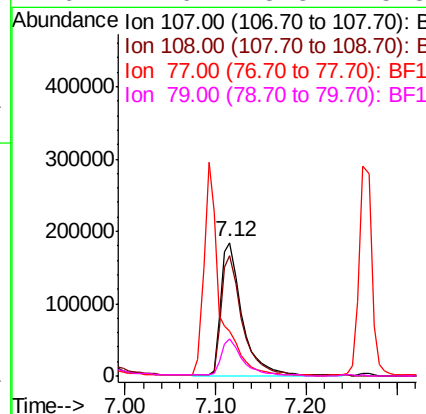
Manual Integrations
APPROVED

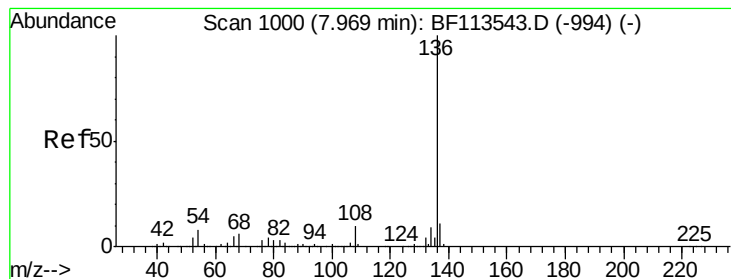
Sohil
4/9/2019 10:15:57 AM



#20
3+4-Methylphenols
Concen: 37.478 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		301347		
108	90.6	71.4	111.4		
77	34.1	33.5	73.5		
79	27.6	8.3	48.3		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

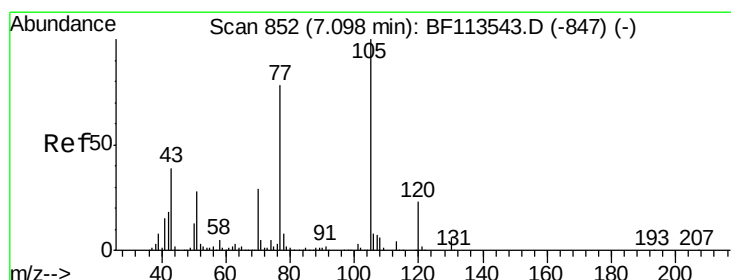
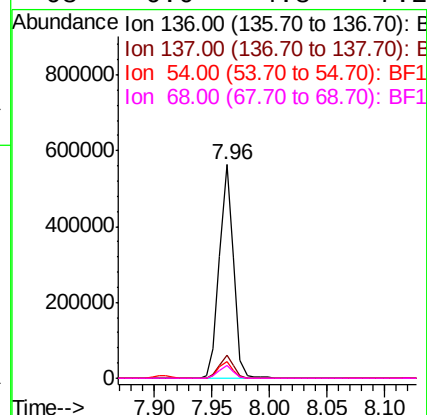
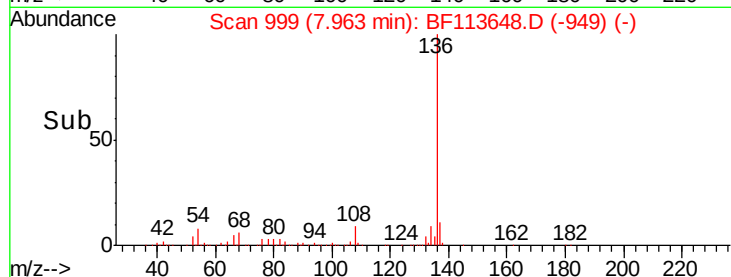
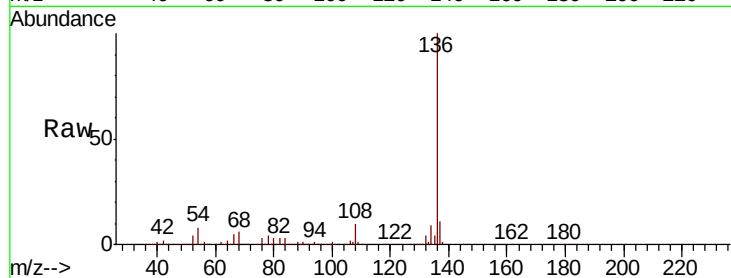
ClientSampleId :

HA-040519MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	478251		
137	11.0	8.9	13.3	
54	8.1	7.0	10.6	
68	6.0	4.8	7.2	

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM



#22

Acetophenone

Concen: 35.306 ng

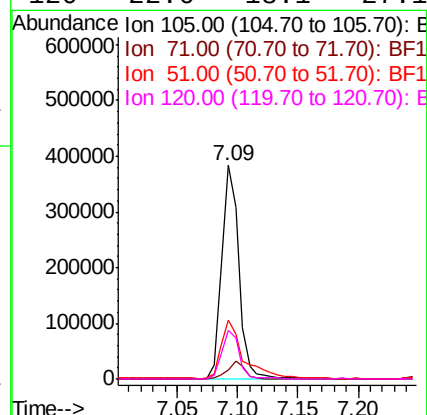
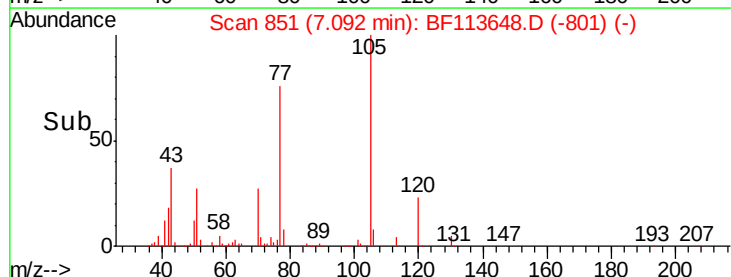
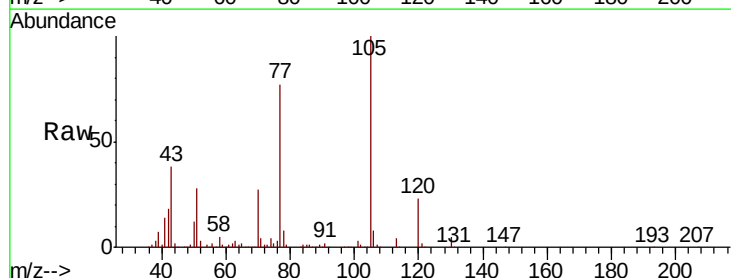
RT: 7.09 min Scan# 851

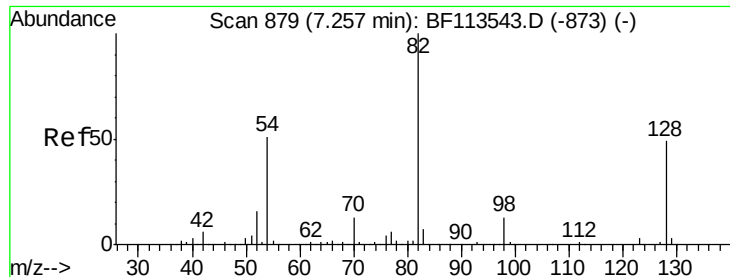
Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	370849		
71	4.4	3.3	4.9	
51	27.8	24.2	36.2	
120	22.6	18.1	27.1	





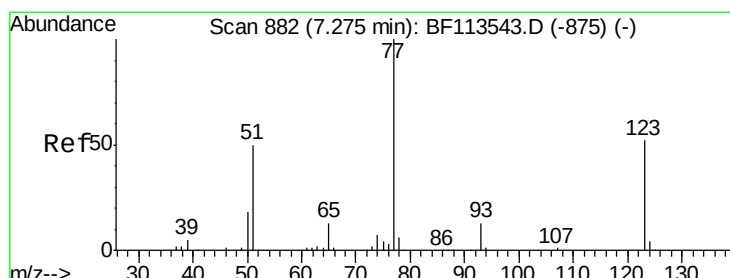
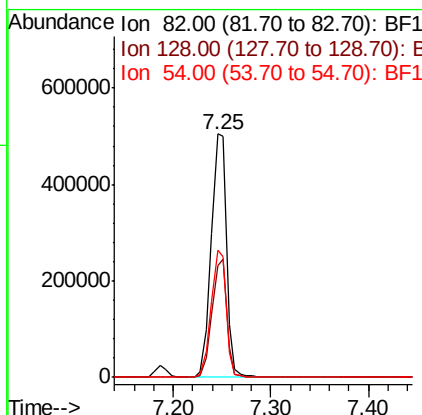
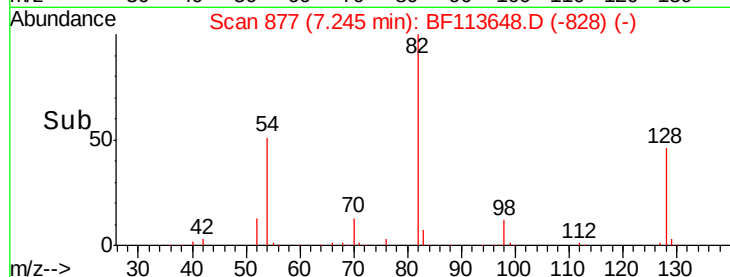
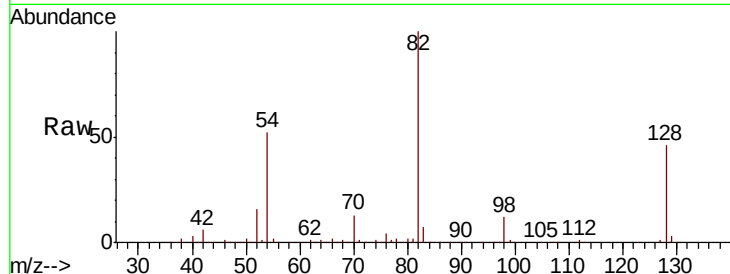
#23
Nitrobenzene-d5
Concen: 67.785 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.5	54.7
54	52.4	42.2	63.2

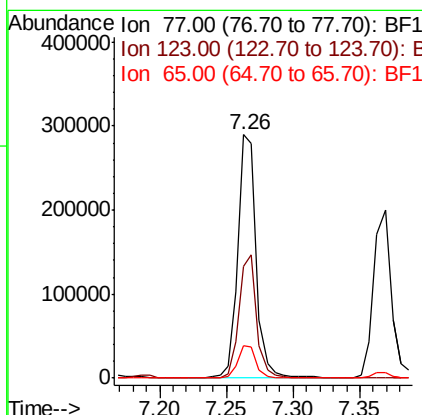
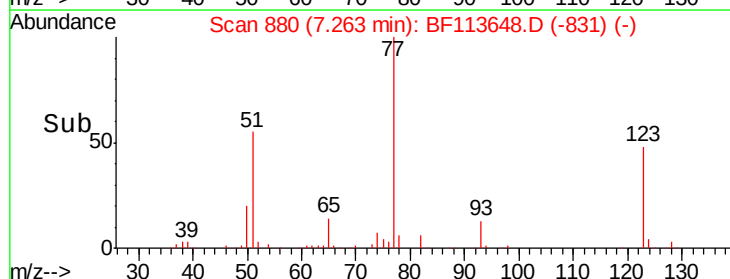
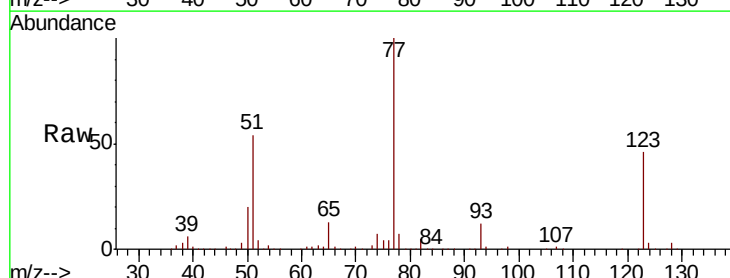
Manual Integrations
APPROVED

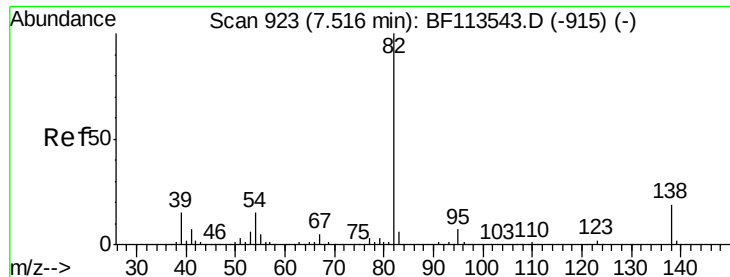
Sohil
4/9/2019 10:15:57 AM



#24
Nitrobenzene
Concen: 32.925 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.9	40.8	61.2
65	13.2	10.6	16.0





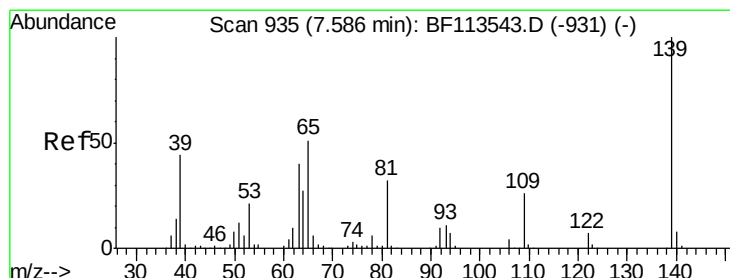
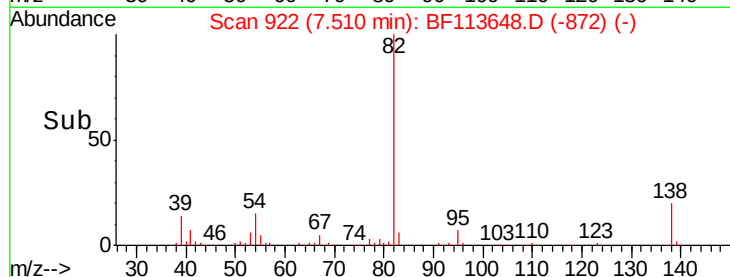
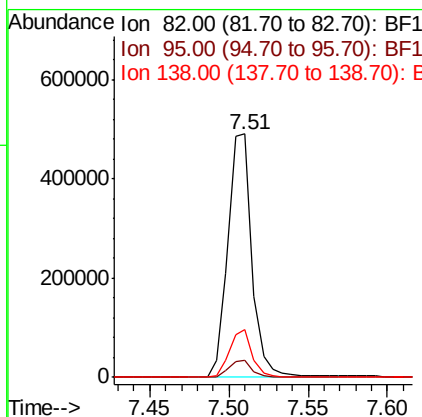
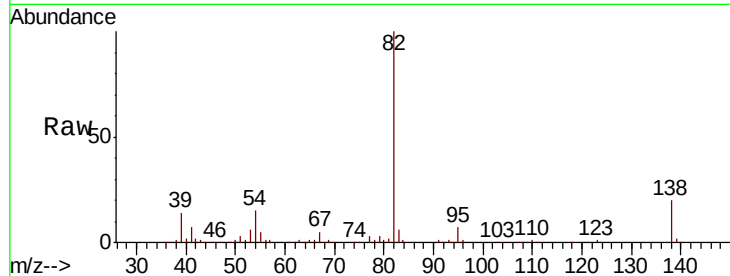
#25
Isophorone
Concen: 33.099 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	520590		
95	7.0		5.5	8.3
138	19.6		15.2	22.8

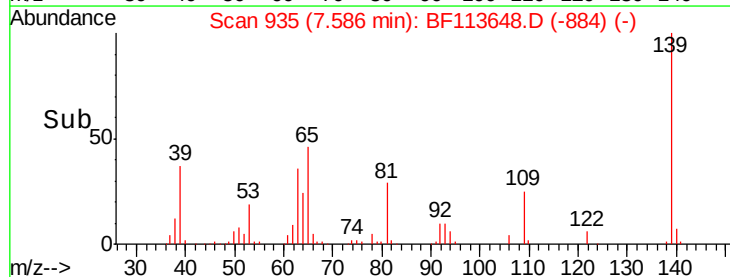
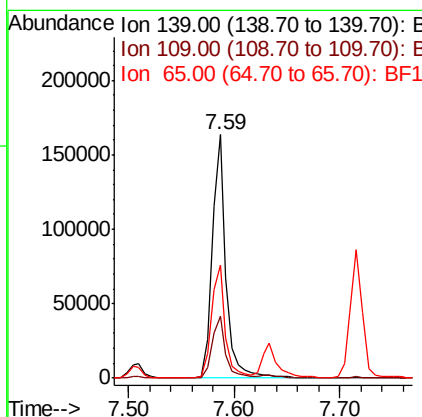
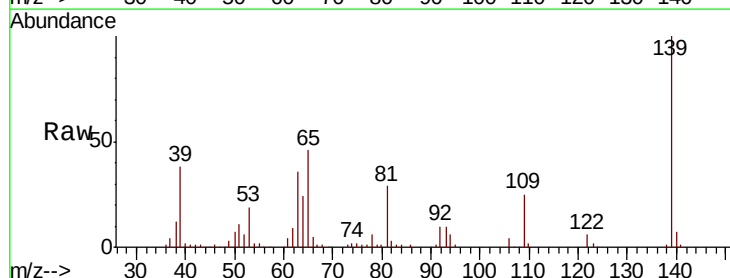
Manual Integrations
APPROVED

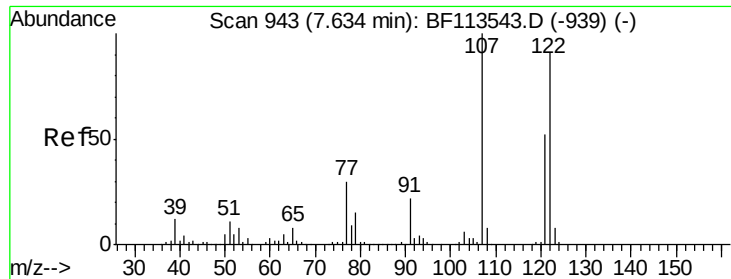
Sohil
4/9/2019 10:15:57 AM



#26
2-Nitrophenol
Concen: 33.137 ng
RT: 7.59 min Scan# 935
Delta R.T. -0.00 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	149957		
109	25.3		21.7	32.5
65	46.5		41.6	62.4





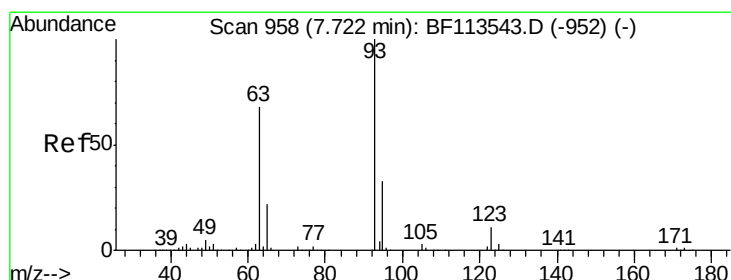
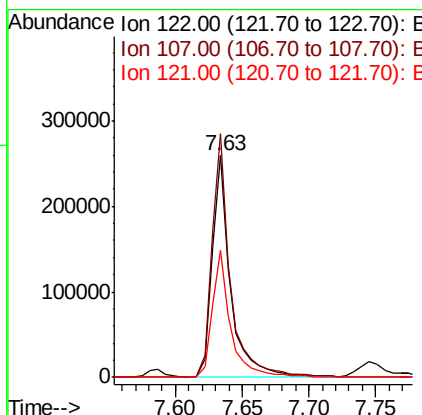
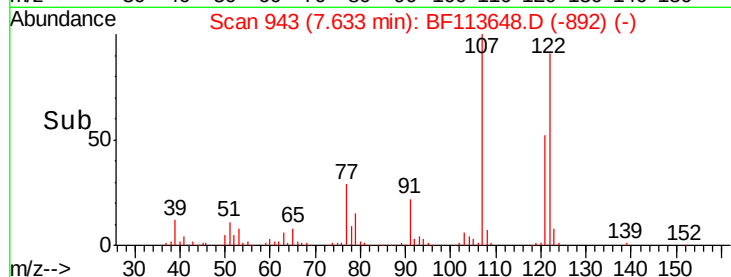
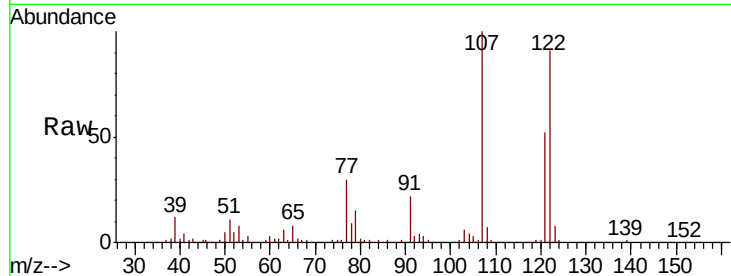
#27
2,4-Dimethylphenol
Concen: 38.894 ng
RT: 7.63 min Scan# 943
Delta R.T. -0.00 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	110.0	88.8	133.2
121	57.6	45.5	68.3

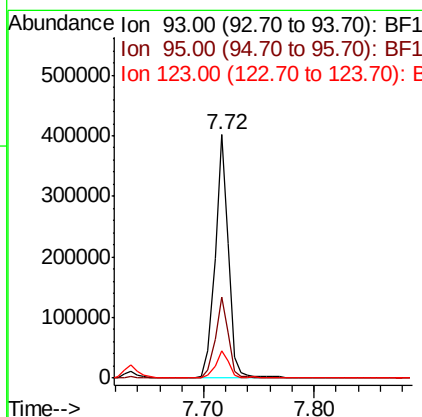
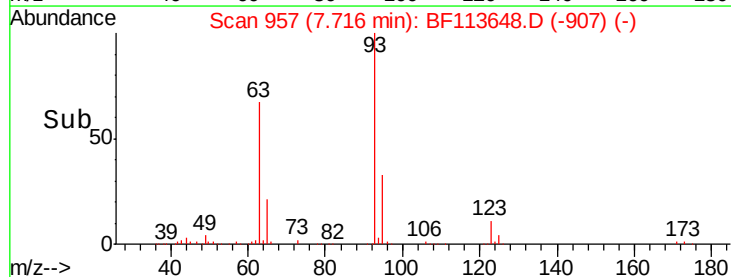
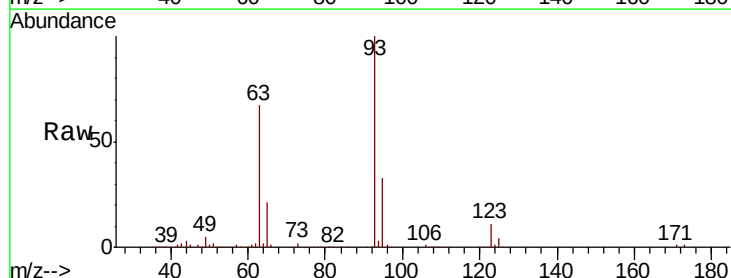
Manual Integrations
APPROVED

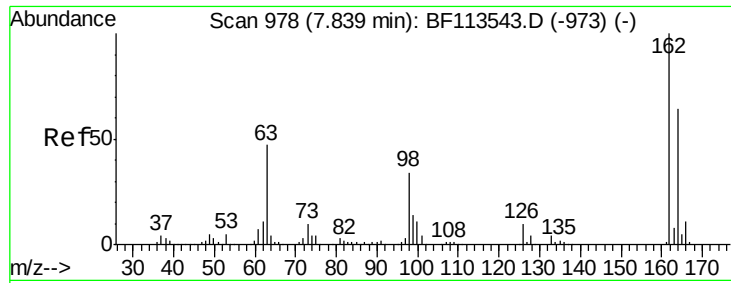
Sohil
4/9/2019 10:15:57 AM



#28
bis(2-Chloroethoxy)methane
Concen: 33.250 ng
RT: 7.72 min Scan# 957
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.0	39.0
123	11.1	9.1	13.7





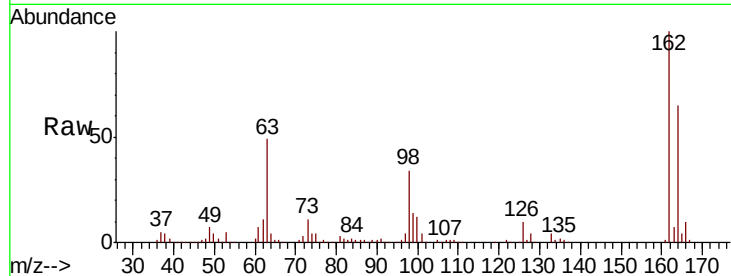
#29
2,4-Dichlorophenol
Concen: 35.354 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.00 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

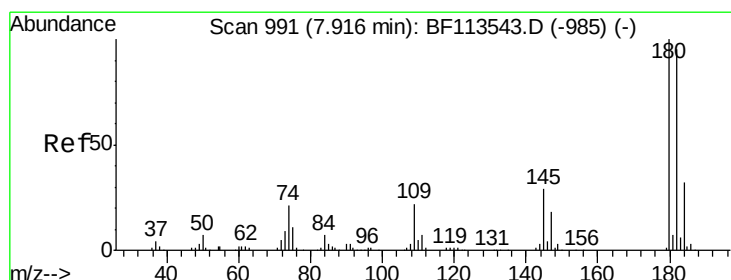
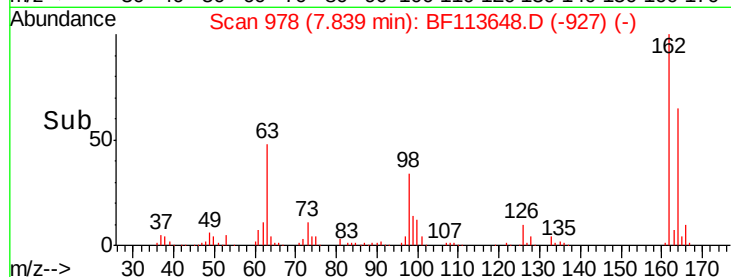
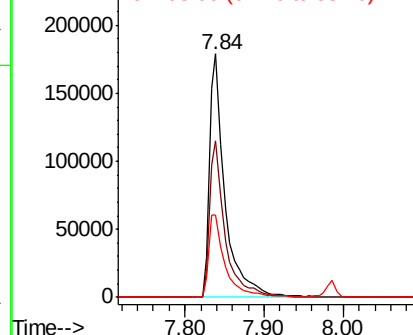
Tot Ion:	162	Resp:	244720
Ion Ratio	Lower	Upper	
162	100		
164	64.5	44.6	84.6
98	33.8	15.6	55.6

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM

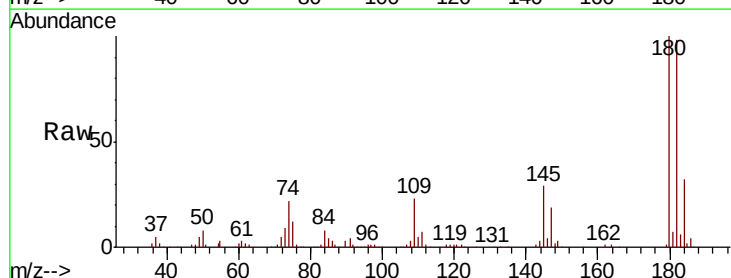


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

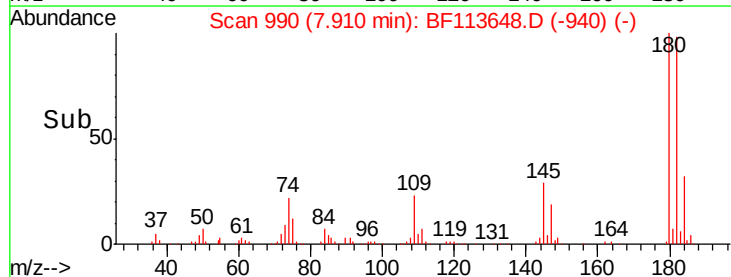
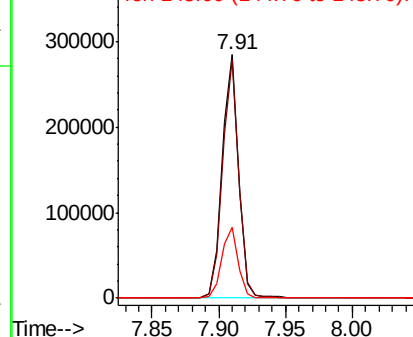


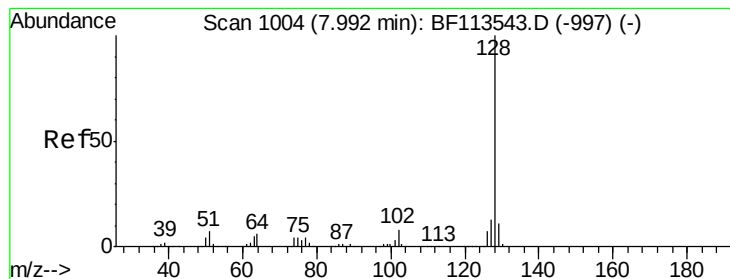
#30
1,2,4-Trichlorobenzene
Concen: 33.090 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion:	180	Resp:	248739
Ion Ratio	Lower	Upper	
180	100		
182	97.9	74.6	111.8
145	29.0	23.4	35.0



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 34.526 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

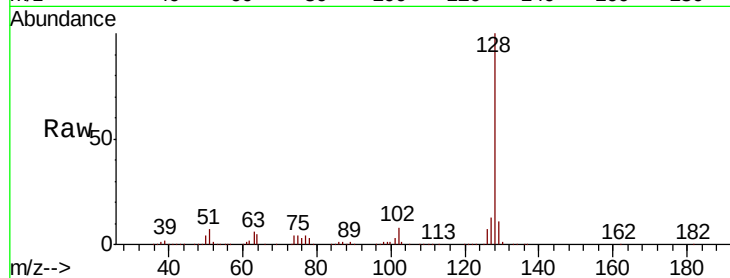
ClientSampleId :

HA-040519MSD

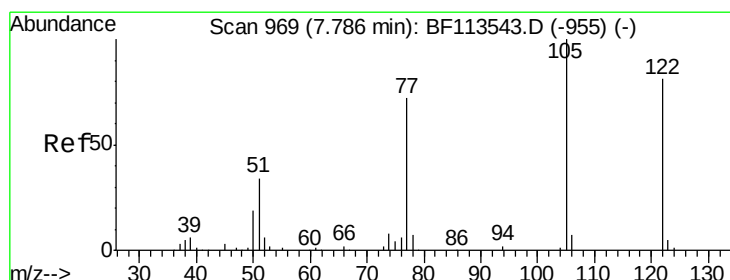
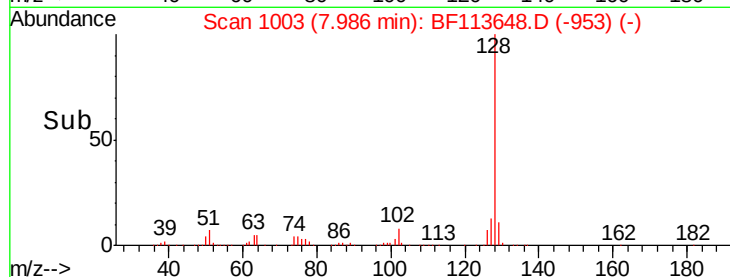
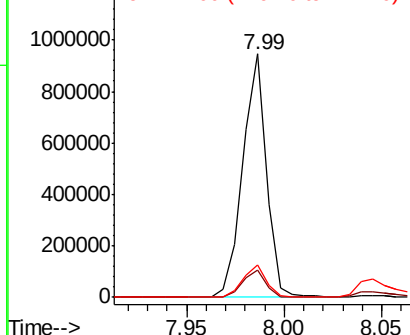
Tot Ion:	128	Resp:	800059
Ion Ratio		Lower	Upper
128	100		
129	11.1	9.3	13.9
127	13.3	10.9	16.3

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 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: 6.614 ng

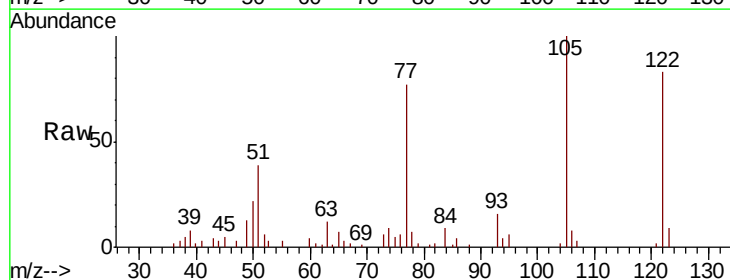
RT: 7.75 min Scan# 962

Delta R.T. -0.04 min

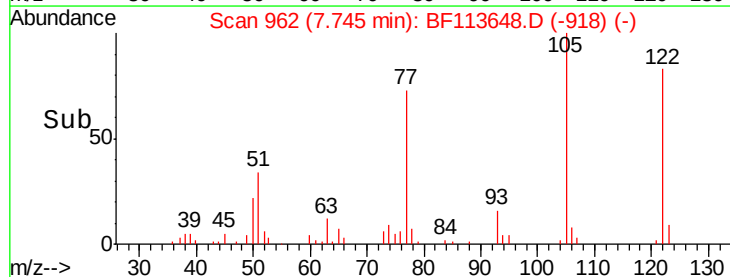
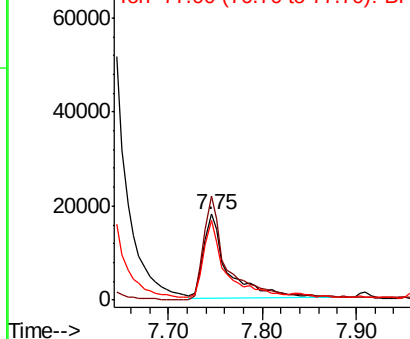
Lab File: BF113648.D

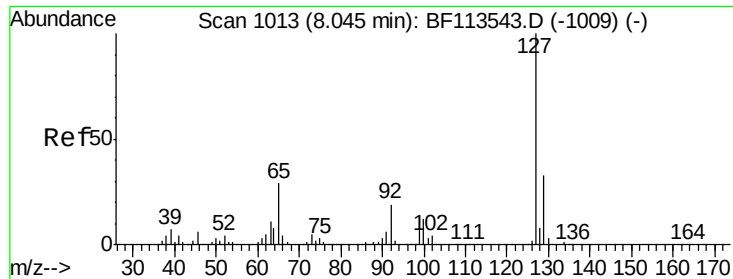
Acq: 8 Apr 2019 19:28

Tgt Ion:	122	Resp:	33136
Ion Ratio		Lower	Upper
122	100		
105	120.7	100.4	140.4
77	92.8	69.0	109.0



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





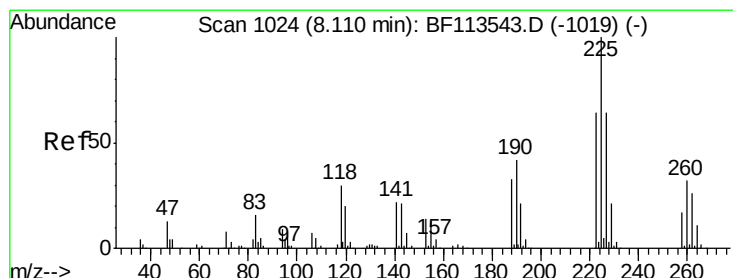
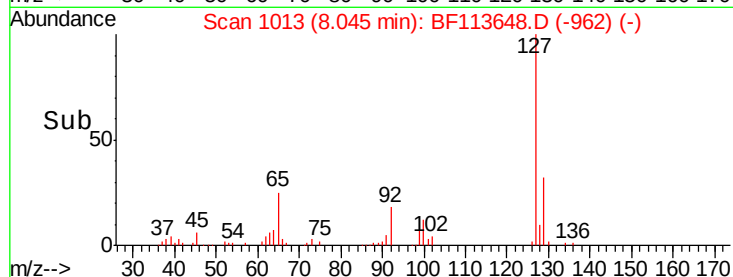
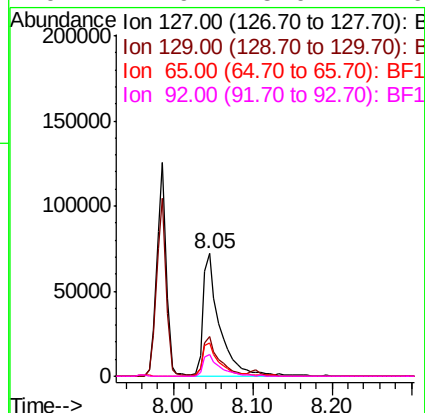
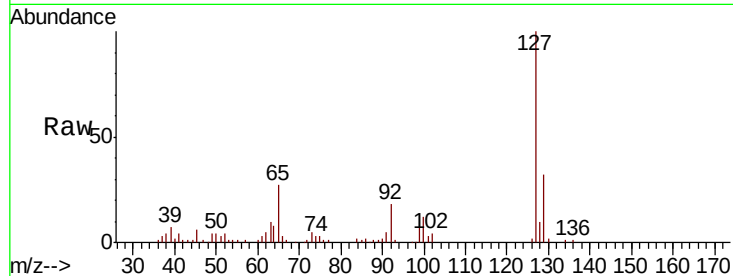
#33
4-Chloroaniline
Concen: 11.660 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.00 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.1	26.3	39.5	
65	27.5	24.2	36.4	
92	17.9	15.0	22.6	

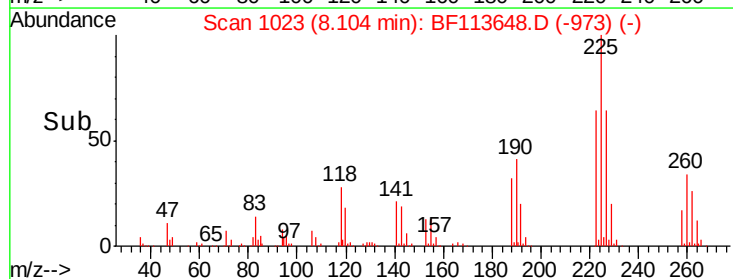
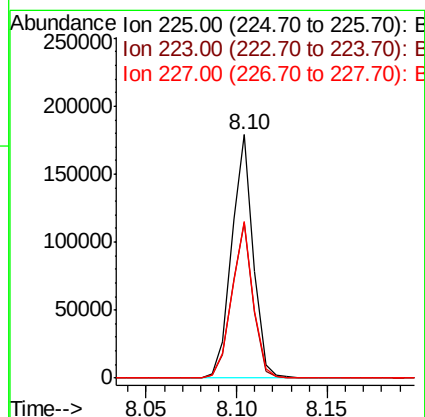
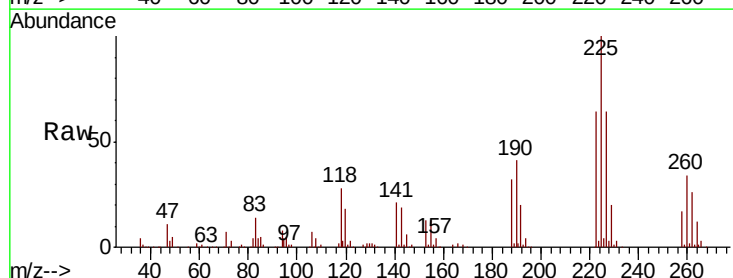
Manual Integrations
APPROVED

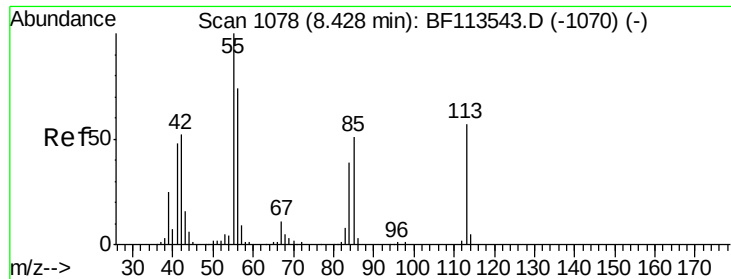
Sohil
4/9/2019 10:15:57 AM



#34
Hexachlorobutadiene
Concen: 32.214 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	51.4	77.2	
227	64.2	51.1	76.7	





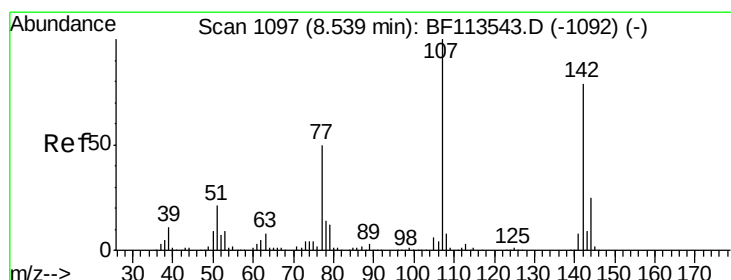
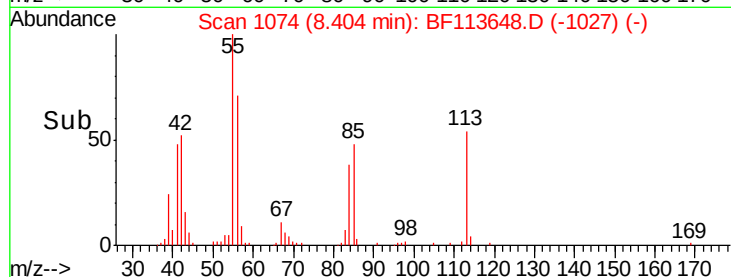
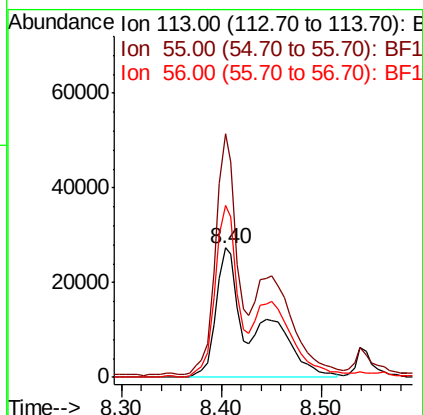
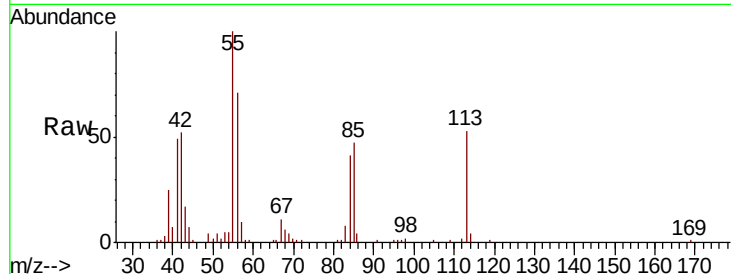
#35
Caprolactam
Concen: 33.849 ng/ml
RT: 8.40 min Scan# 1074
Delta R.T. -0.02 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion:113 Resp: 74377
Ion Ratio Lower Upper
113 100
55 187.9 152.7 192.7
56 132.8 108.3 148.3

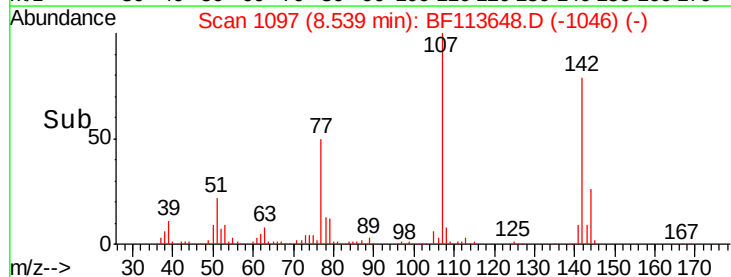
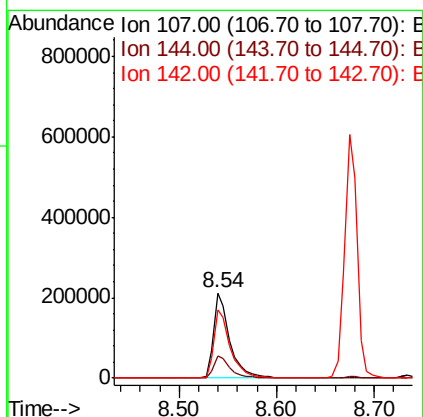
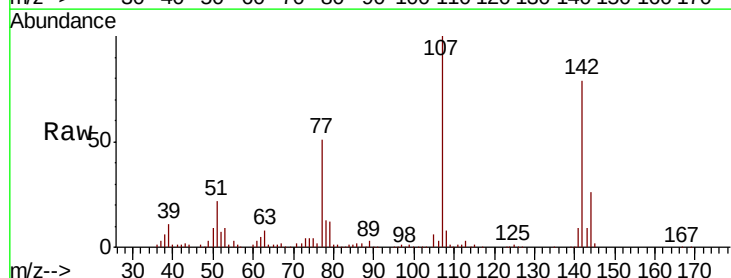
Manual Integrations
APPROVED

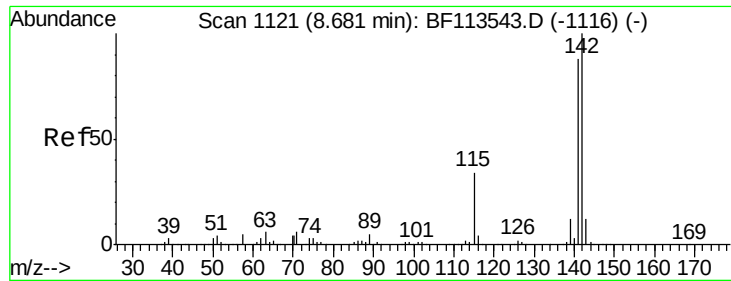
Sohil
4/9/2019 10:15:57 AM



#36
4-Chloro-3-methylphenol
Concen: 35.361 ng/ml
RT: 8.54 min Scan# 1097
Delta R.T. -0.00 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion:107 Resp: 245712
Ion Ratio Lower Upper
107 100
144 25.8 21.4 32.0
142 79.3 65.6 98.4





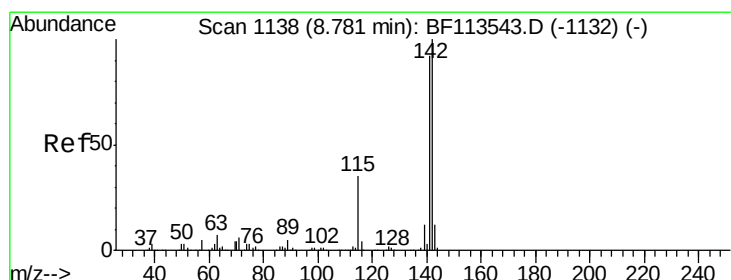
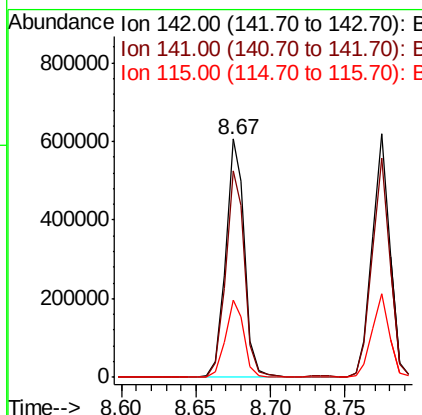
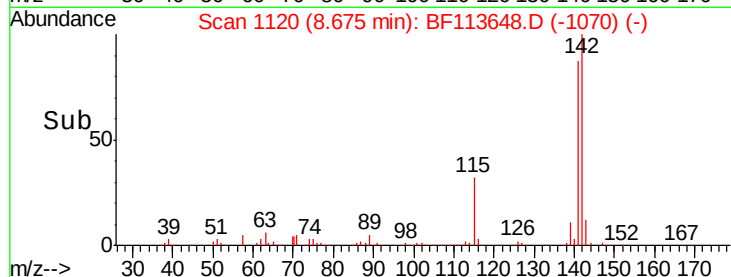
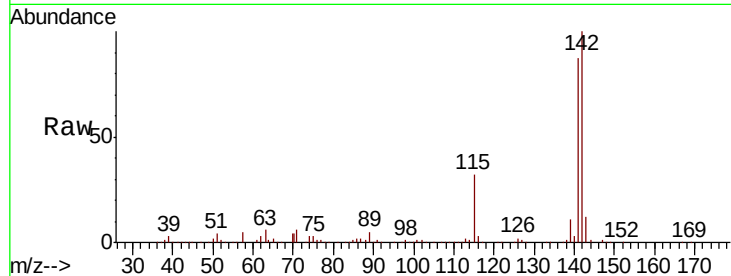
#37
2-Methylnaphthalene
Concen: 35.504 ng
RT: 8.67 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.9	71.0	106.6
115	32.5	26.6	39.8

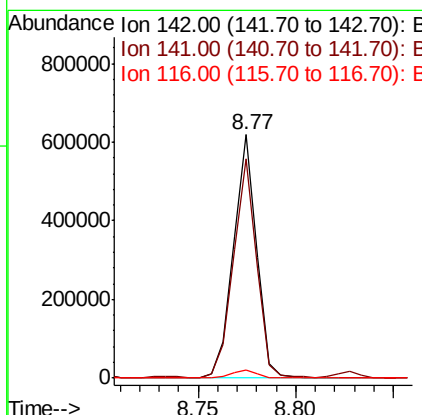
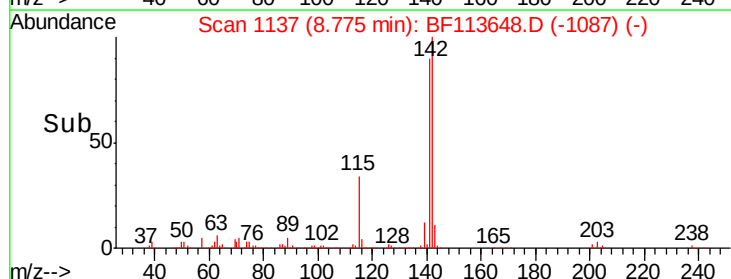
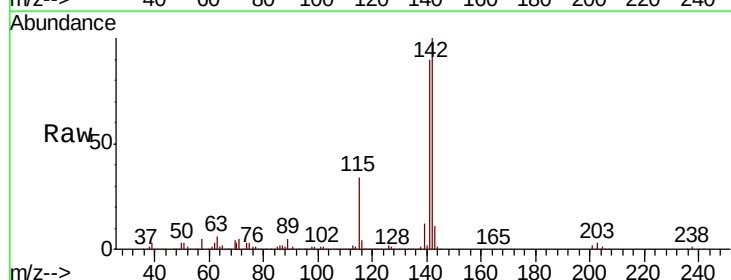
Manual Integrations
APPROVED

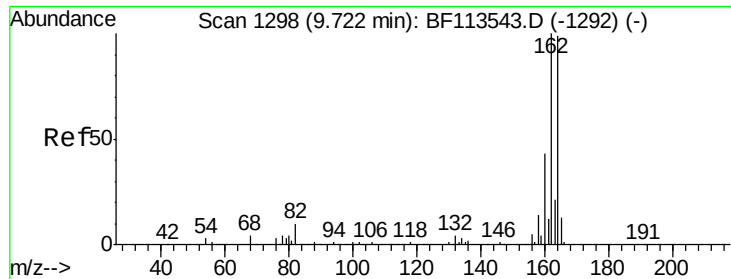
Sohil
4/9/2019 10:15:57 AM



#38
1-Methylnaphthalene
Concen: 34.394 ng
RT: 8.77 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.2	109.8
116	3.5	3.0	4.4





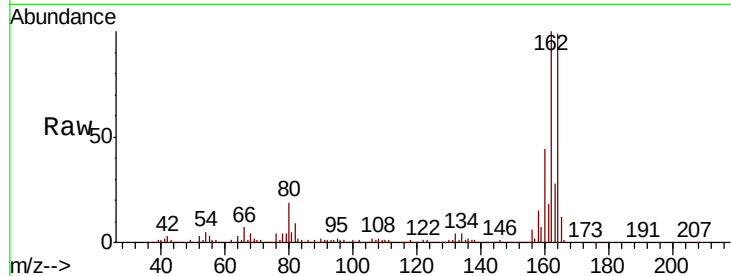
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Instrument :
 BNA_F
 ClientSampleId :
 HA-040519MSD

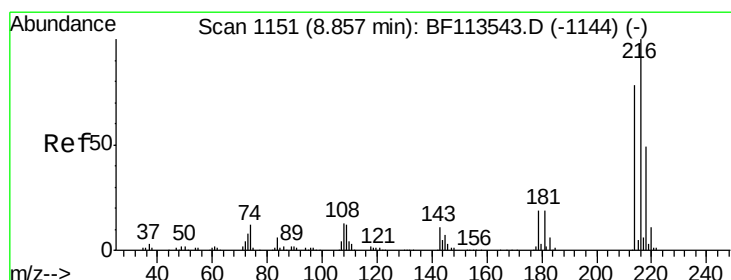
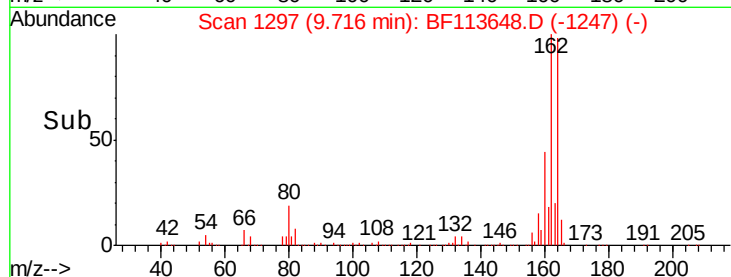
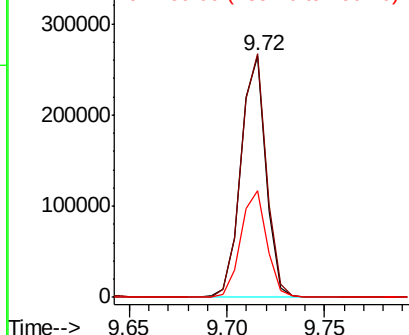
Tot Ion:	164	Resp:	236451
Ion Ratio	Lower	Upper	
164	100		
162	100.9	81.8	122.6
160	44.4	36.4	54.6

Manual Integrations
 APPROVED

Sohil
 4/9/2019 10:15:57 AM



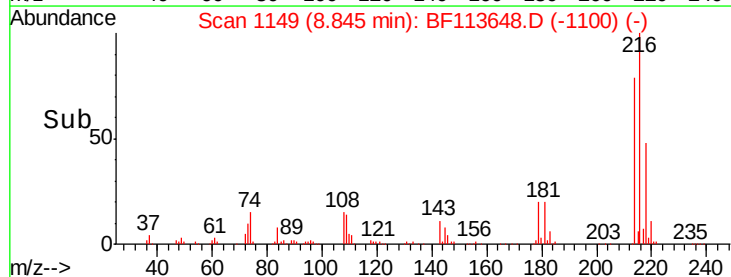
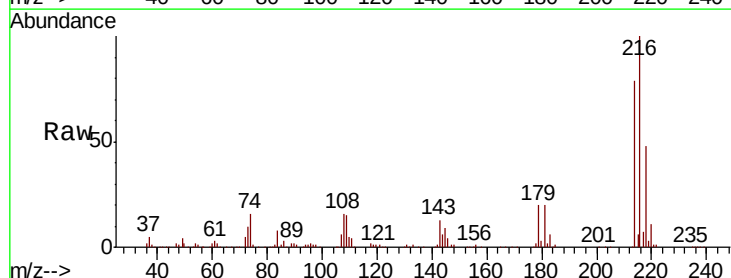
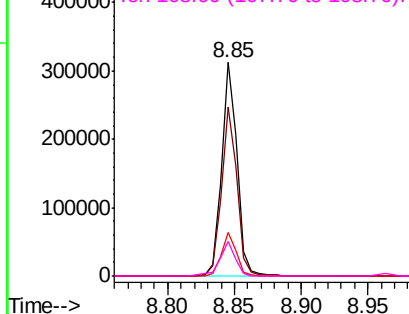
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

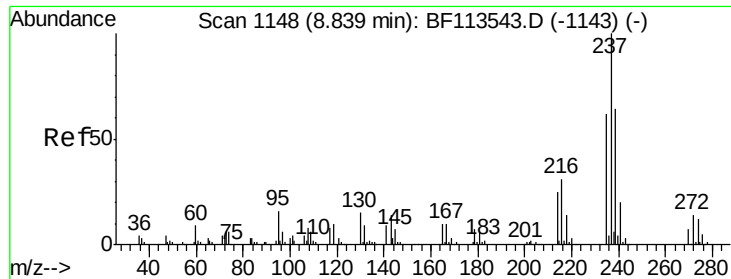


#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 33.299 ng
 RT: 8.85 min Scan# 1149
 Delta R.T. -0.01 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Tgt Ion:	216	Resp:	254641
Ion Ratio	Lower	Upper	
216	100		
214	79.1	63.0	94.6
179	19.8	16.8	25.2
108	16.7	13.8	20.6

Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E





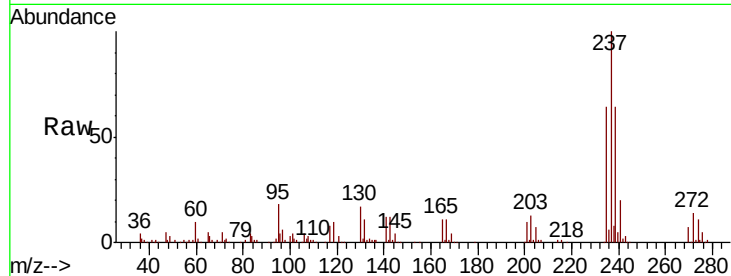
#41
Hexachlorocyclopentadiene
Concen: 47.905 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

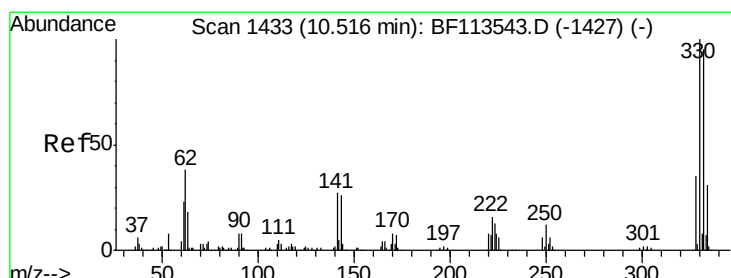
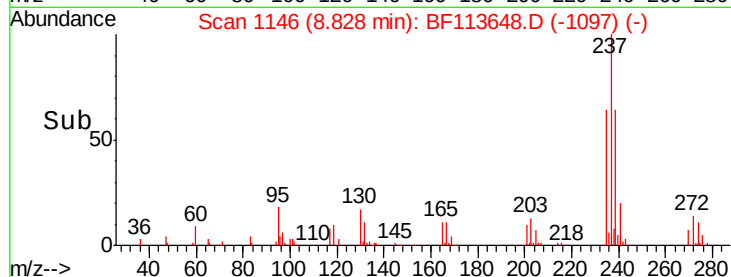
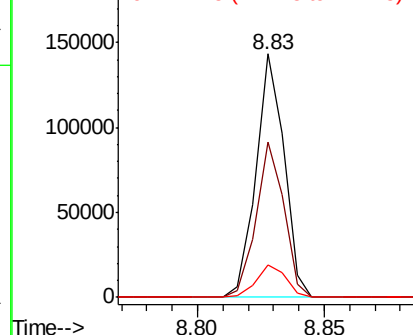
Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	64.0	43.4	83.4
272	13.5	0.0	33.7

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM

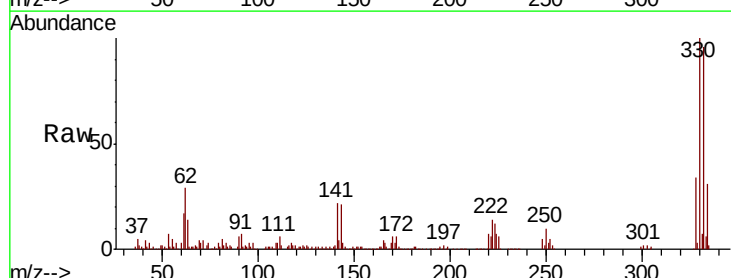


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

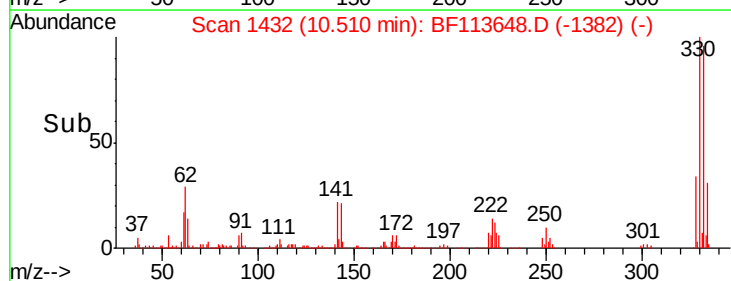
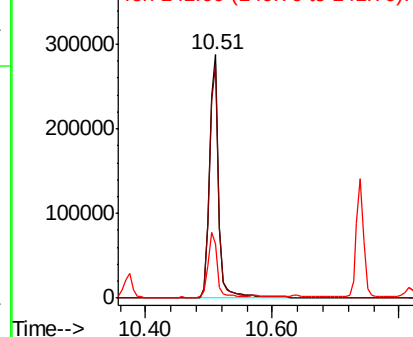


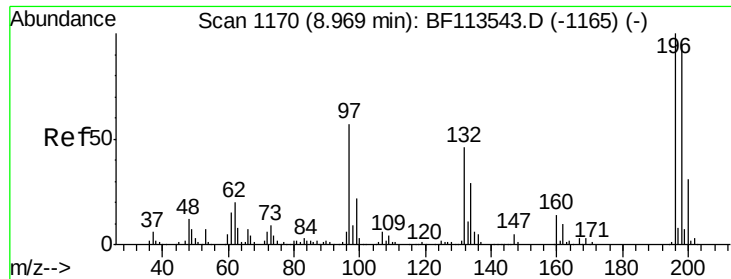
#42
2,4,6-Tribromophenol
Concen: 99.404 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	96.3	77.8	116.6
141	26.2	22.7	34.1



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





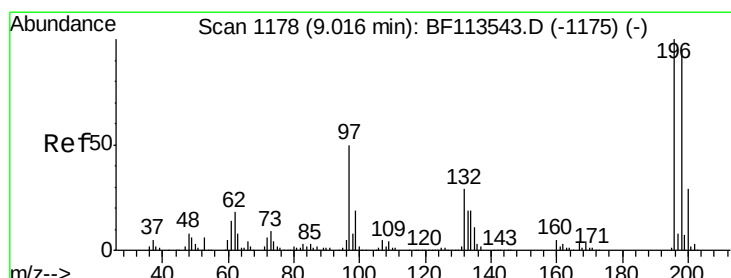
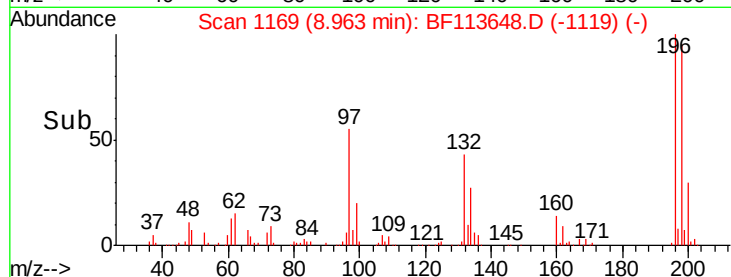
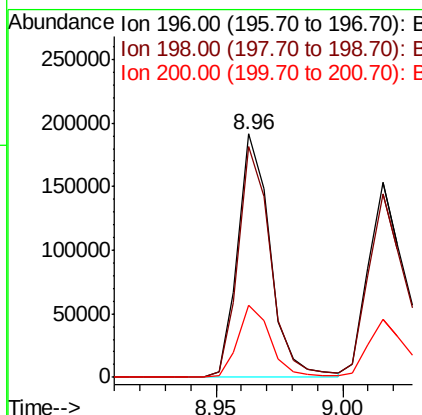
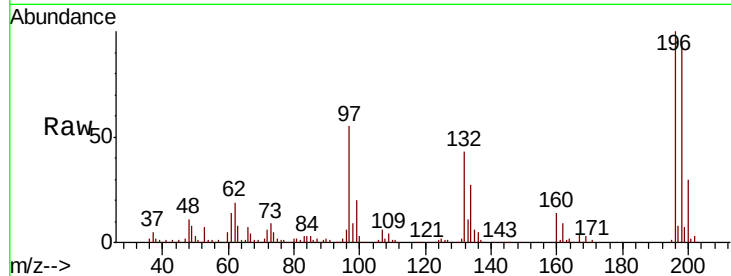
#43
 2,4,6-Trichlorophenol
 Concen: 35.242 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Instrument :
 BNA_F
 ClientSampleId :
 HA-040519MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	170111		
198	94.7	77.7	116.5	
200	29.6	24.9	37.3	

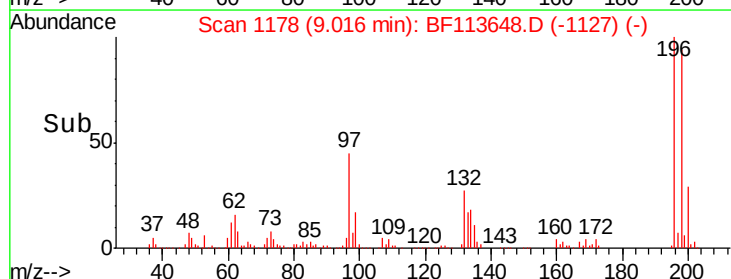
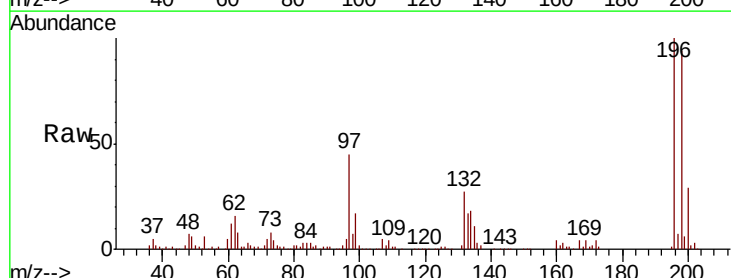
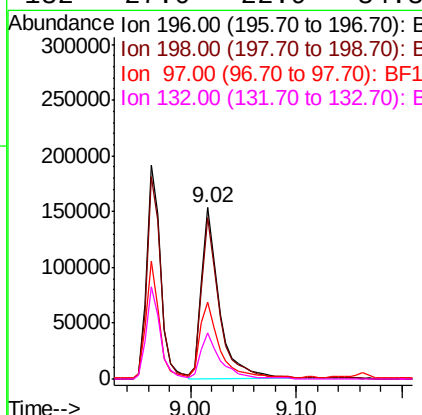
Manual Integrations
 APPROVED

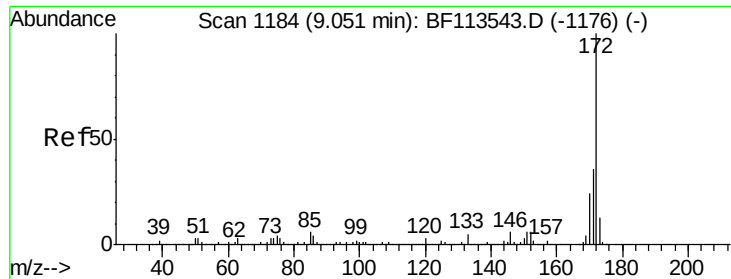
Sohil
 4/9/2019 10:15:57 AM



#44
 2,4,5-Trichlorophenol
 Concen: 34.799 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	180335		
198	94.0	75.4	113.2	
97	45.0	38.6	58.0	
132	27.0	22.9	34.3	





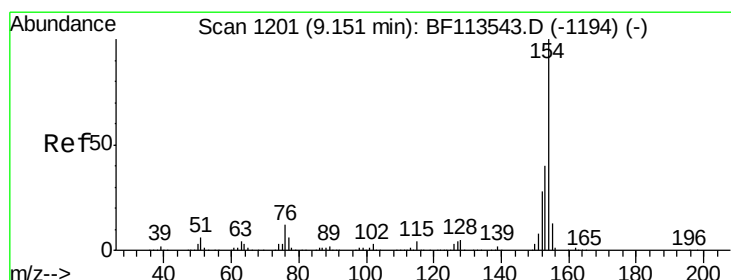
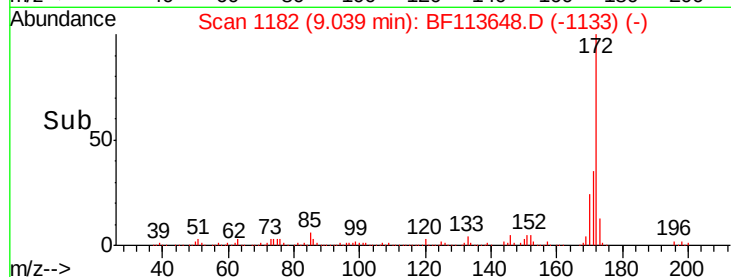
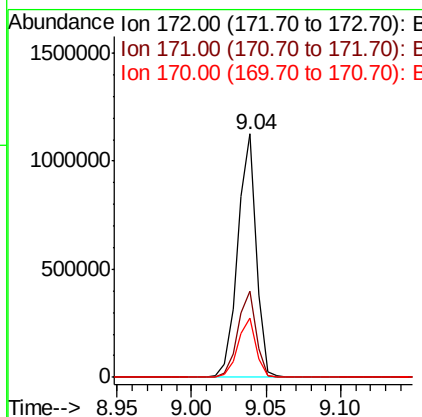
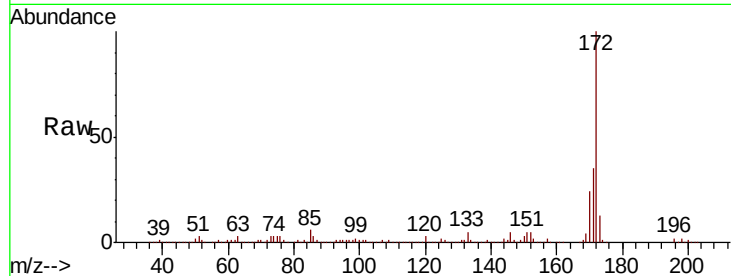
#45
2-Fluorobiphenyl
Concen: 66.545 ng
RT: 9.04 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.0	43.6
170	24.1	19.5	29.3

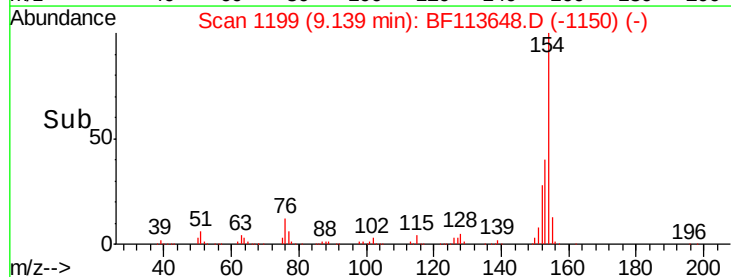
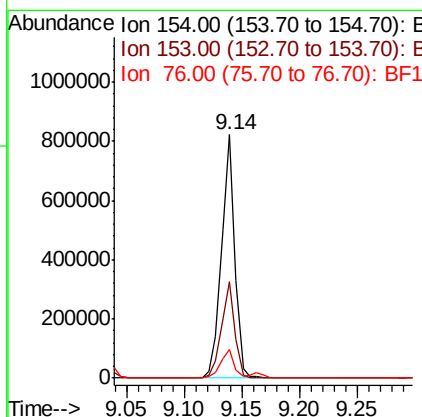
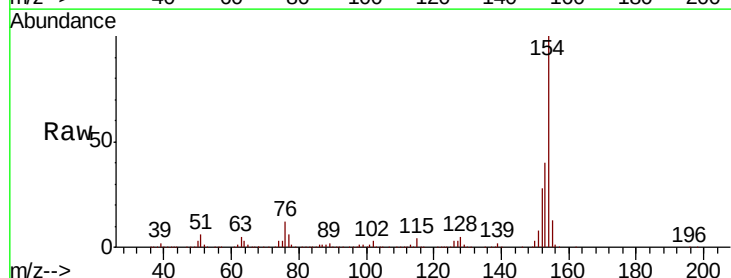
Manual Integrations
APPROVED

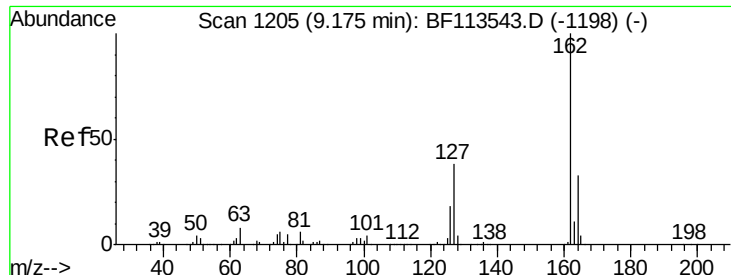
Sohil
4/9/2019 10:15:57 AM



#46
1,1'-Biphenyl
Concen: 33.871 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.8	60.8
76	11.9	0.0	31.9





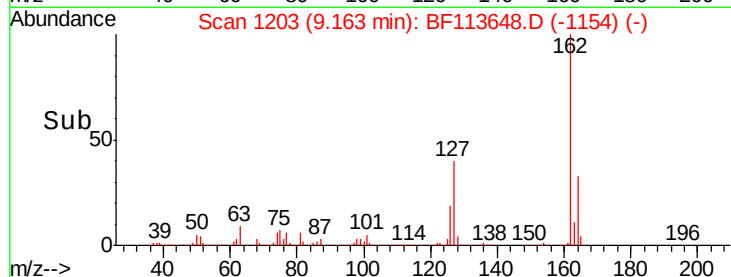
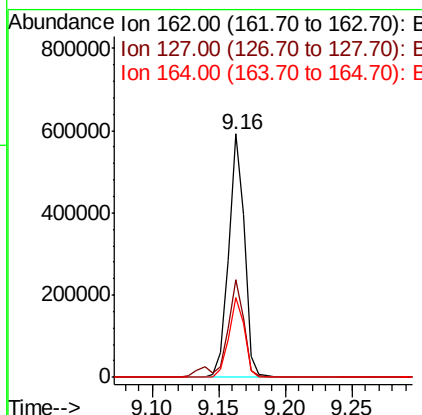
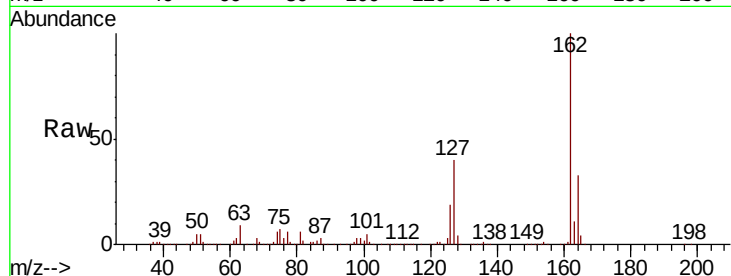
#47
 2-Chloronaphthalene
 Concen: 33.765 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Instrument :
 BNA_F
 ClientSampleId :
 HA-040519MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	498812		
127	40.0	32.6	49.0	
164	32.9	26.6	39.8	

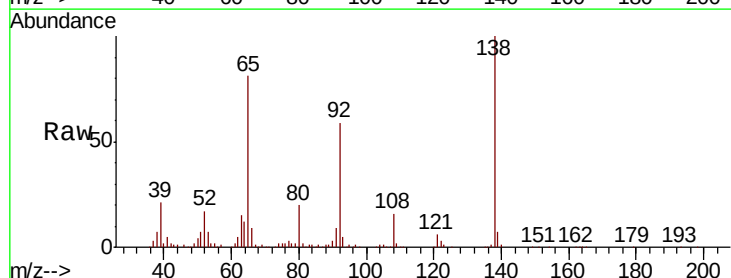
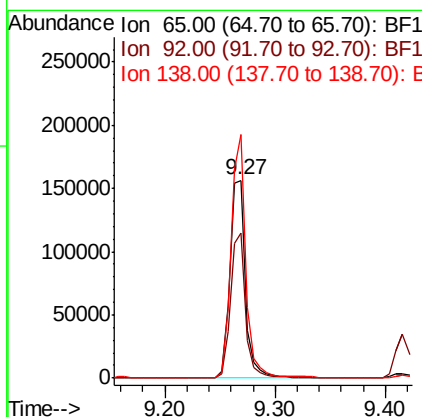
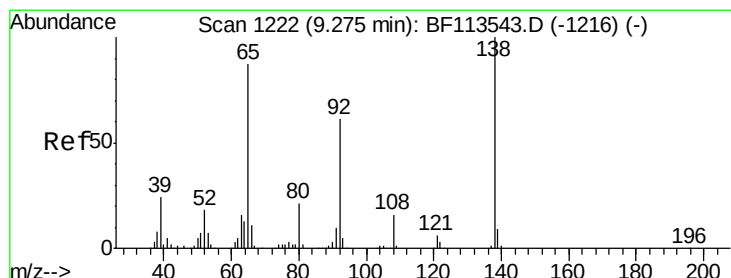
Manual Integrations
 APPROVED

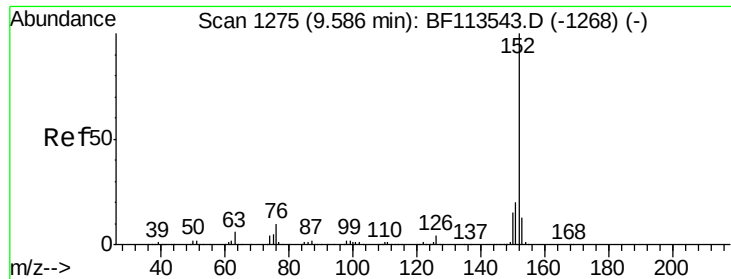
Sohil
 4/9/2019 10:15:57 AM



#48
 2-Nitroaniline
 Concen: 34.762 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	157136		
92	73.2	56.8	85.2	
138	123.2	92.3	138.5	





#49

Acenaphthylene

Concen: 33.335 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

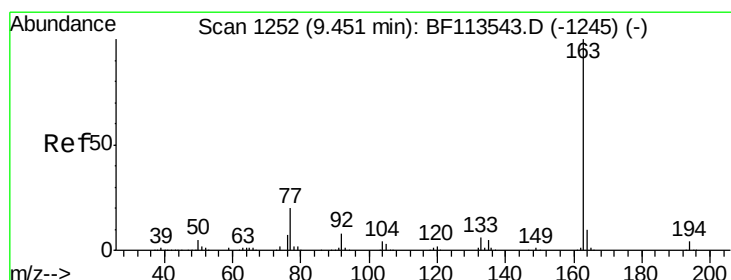
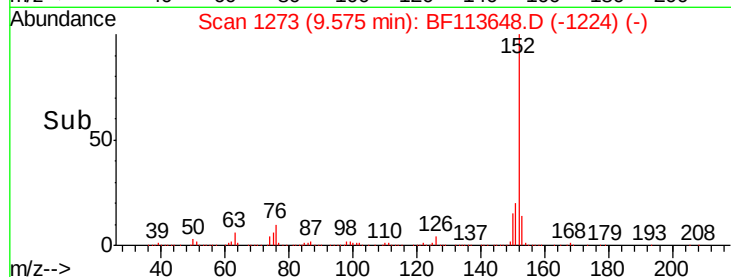
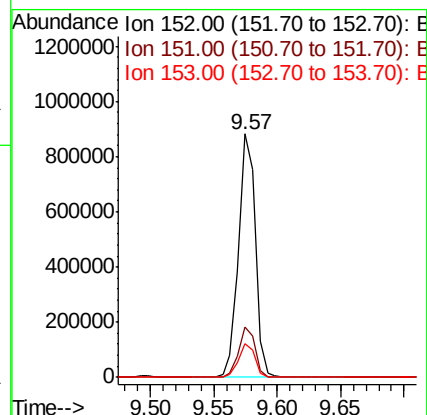
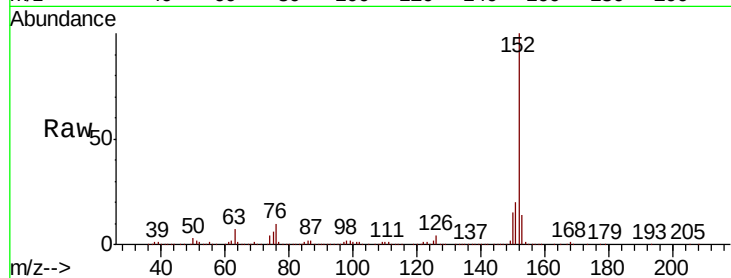
ClientSampleId :

HA-040519MSD

Tot Ion:	152	Resp:	800791
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.2	24.4
153	13.7	11.0	16.6

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM



#50

Dimethylphthalate

Concen: 37.718 ng

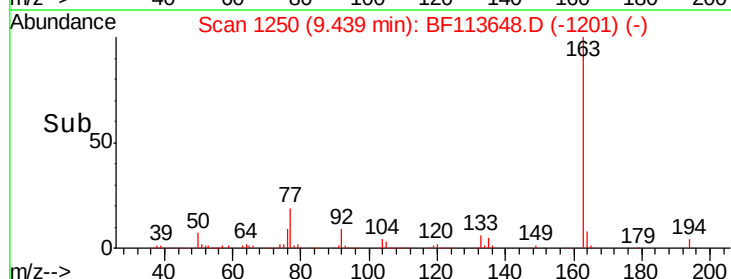
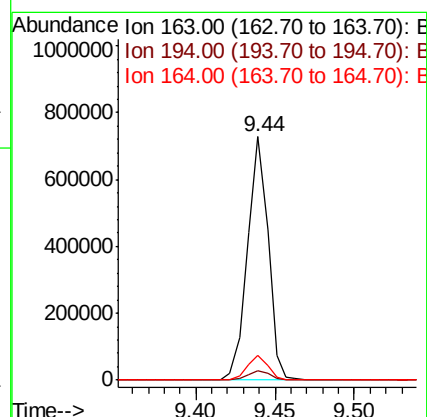
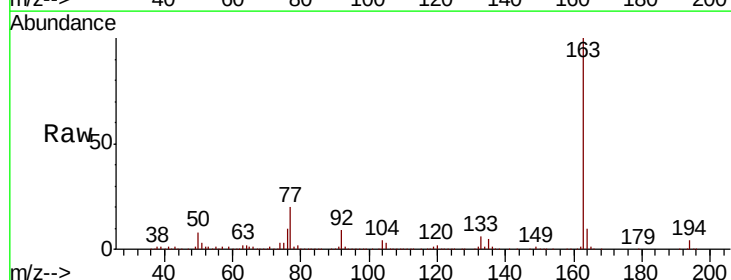
RT: 9.44 min Scan# 1250

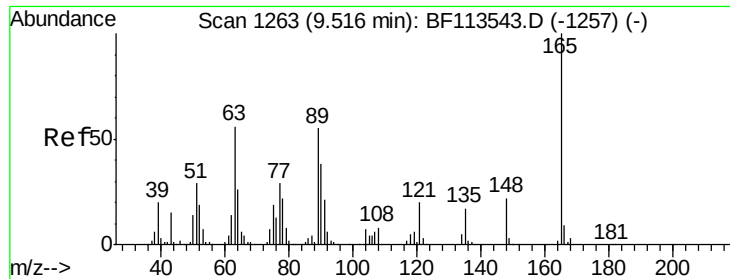
Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Tgt Ion:	163	Resp:	657418
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.0	4.6
164	10.3	8.1	12.1





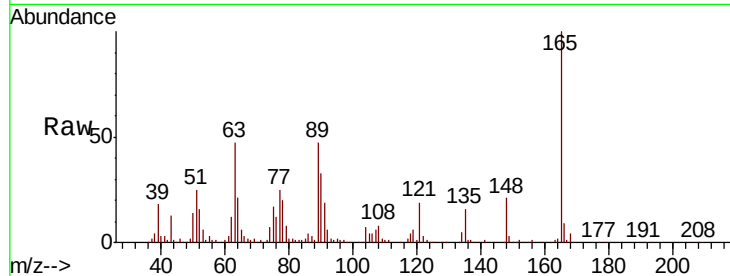
#51
 2,6-Dinitrotoluene
 Concen: 34.463 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. -0.01 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Instrument :
 BNA_F
 ClientSampleId :
 HA-040519MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	132405		
63	47.4		43.4	65.0
89	47.3		43.1	64.7

Manual Integrations
 APPROVED

Sohil
 4/9/2019 10:15:57 AM

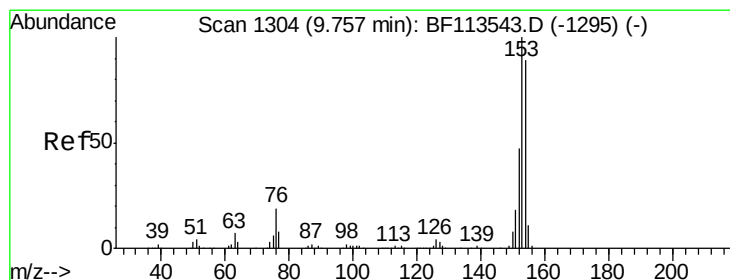
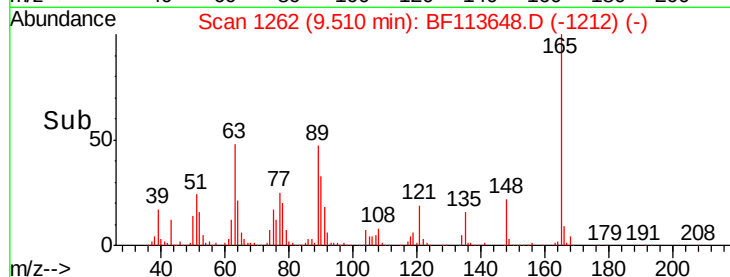
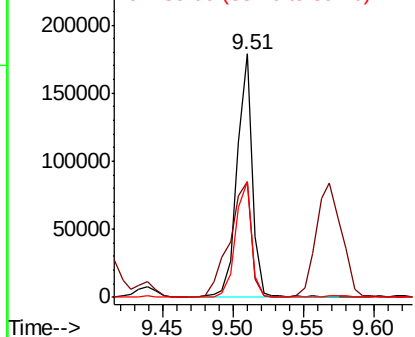


Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52
 Acenaphthene
 Concen: 33.673 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

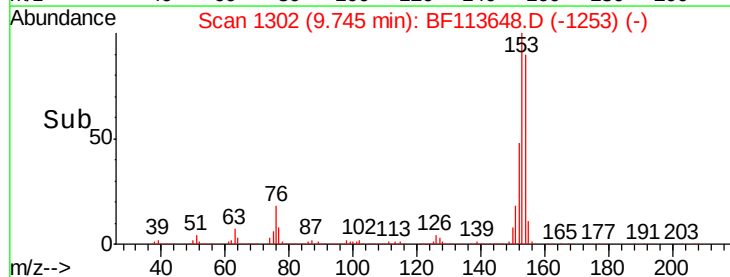
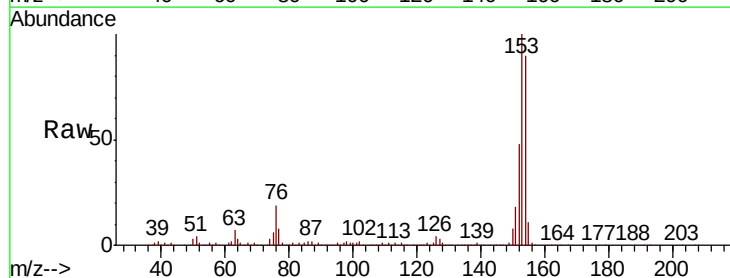
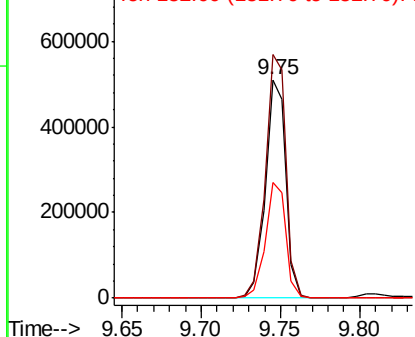
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	463047		
153	111.7		89.5	134.3
152	53.1		43.3	64.9

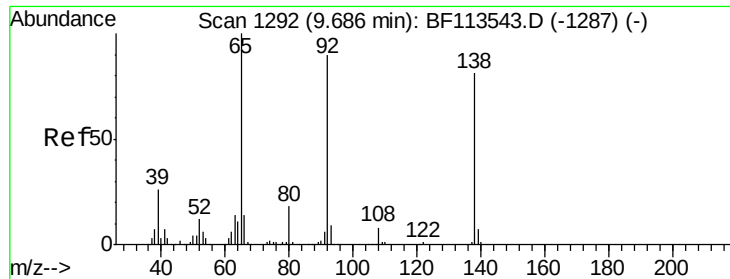
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





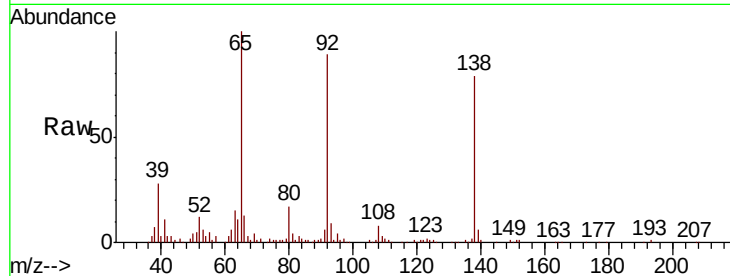
#53
3-Nitroaniline
Concen: 23.141 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.3	7.8	11.6
92	112.9	82.6	124.0

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM

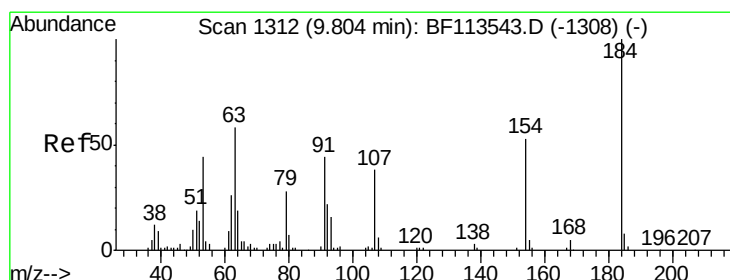
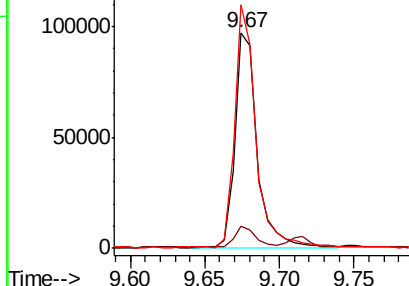
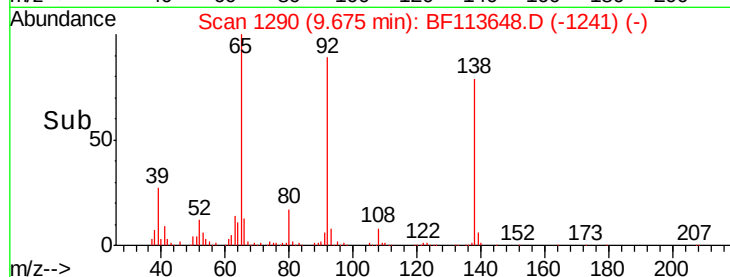


Abundance

Ion 138.00 (137.70 to 138.70): E

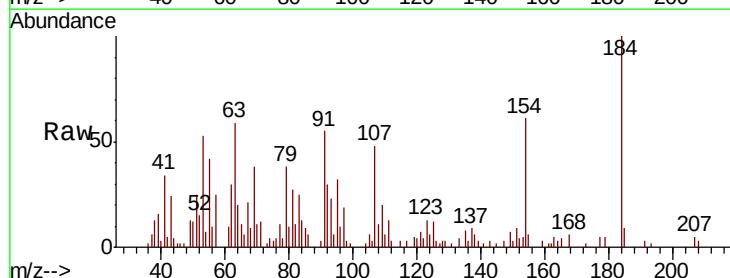
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 18.273 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
184	100		
63	58.6	54.3	81.5
154	60.7	48.4	72.6

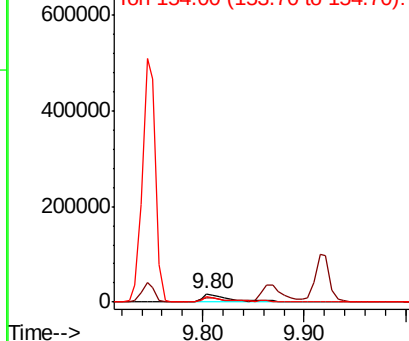
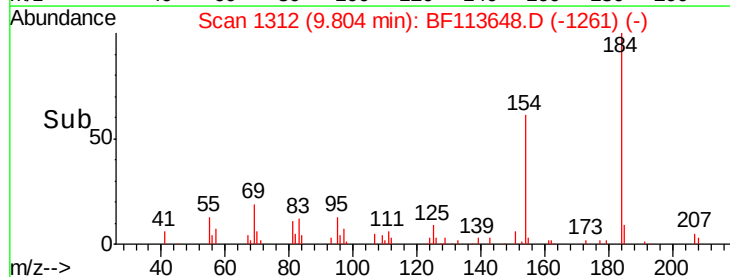


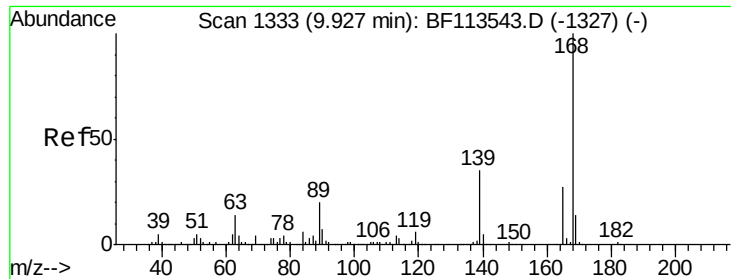
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





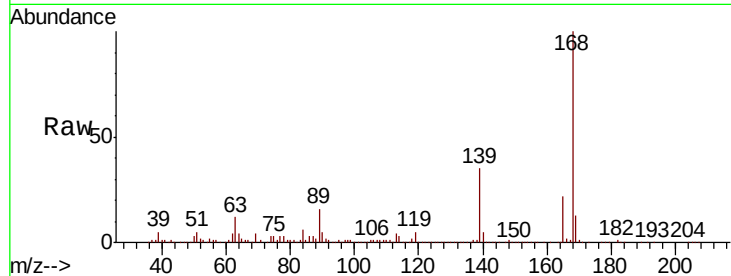
#55
Dibenzofuran
Concen: 34.319 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.2	29.7	44.5
169	13.4	10.7	16.1

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM

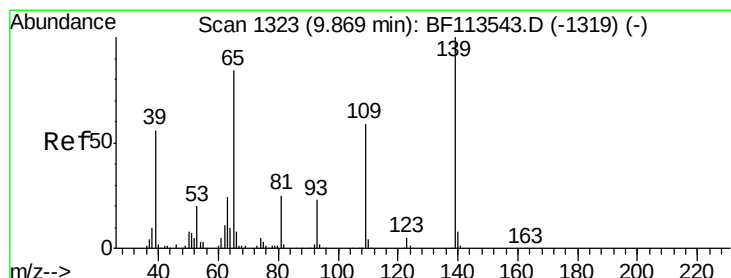
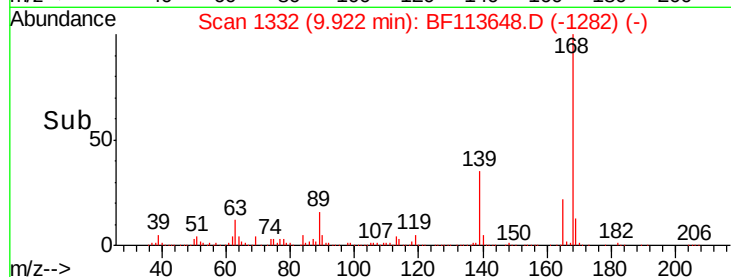
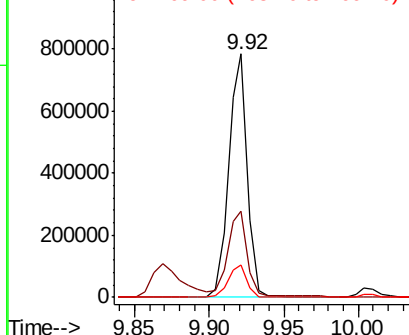


Abundance

Ion 168.00 (167.70 to 168.70): E

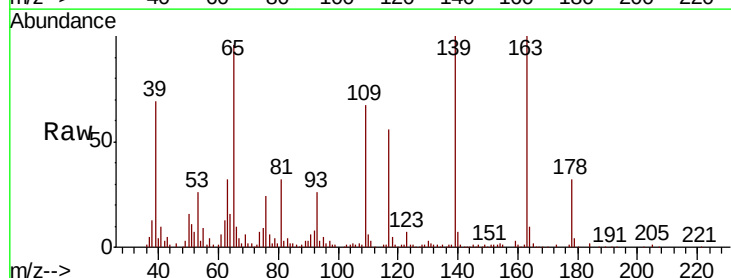
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 54.696 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
139	100		
109	66.8	46.9	86.9
65	95.9	77.2	117.2

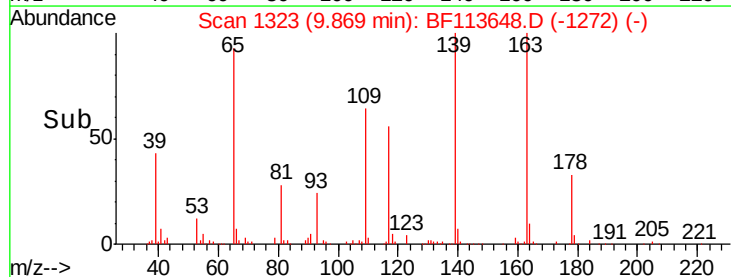
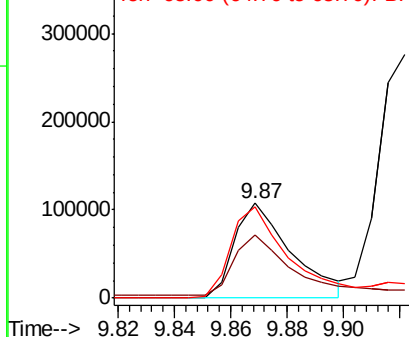


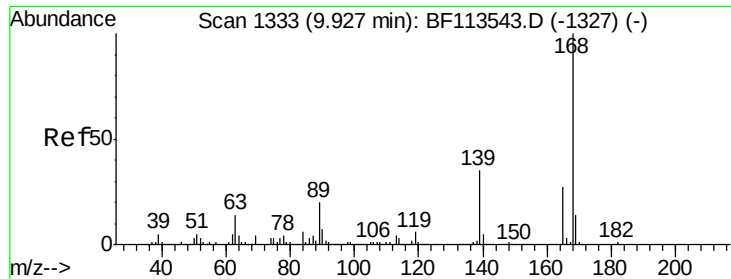
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





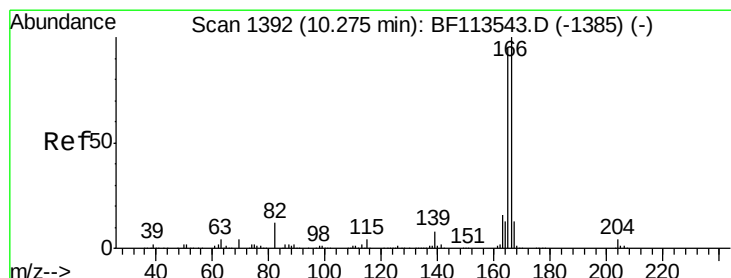
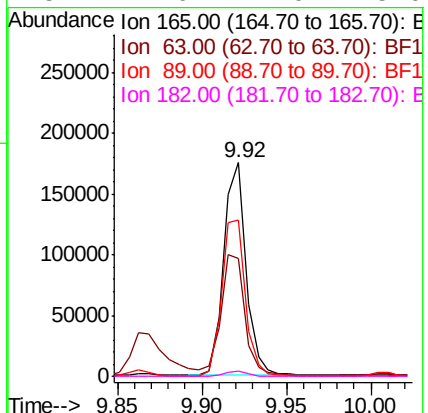
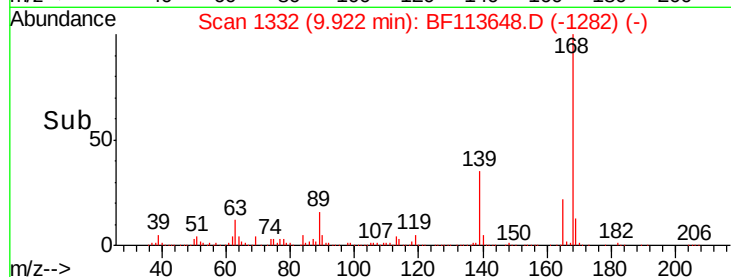
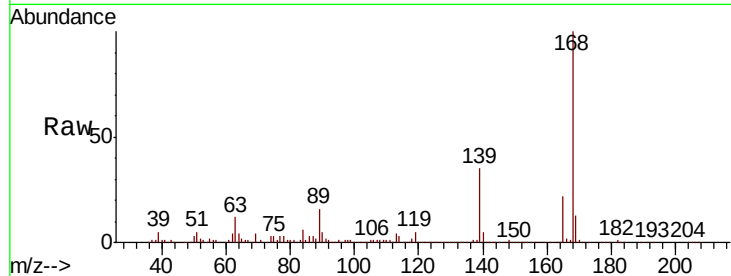
#57
 2,4-Dinitrotoluene
 Concen: 34.747 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Instrument :
 BNA_F
 ClientSampleId :
 HA-040519MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	161456		
63	55.1	37.5	56.3	
89	73.0	57.4	86.2	
182	2.6	2.0	3.0	

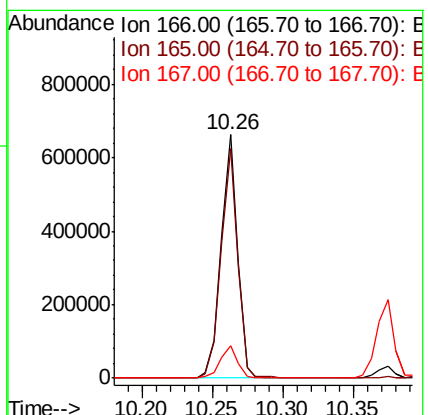
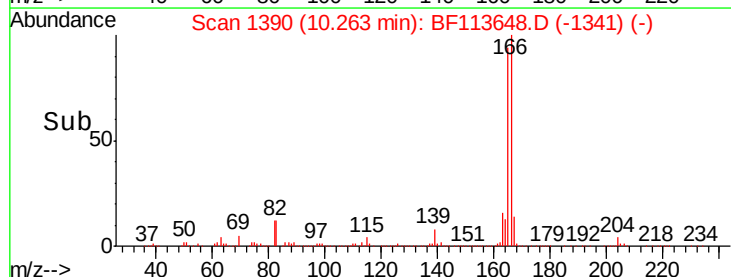
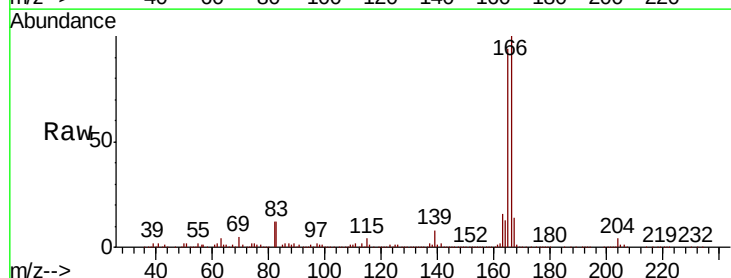
Manual Integrations
 APPROVED

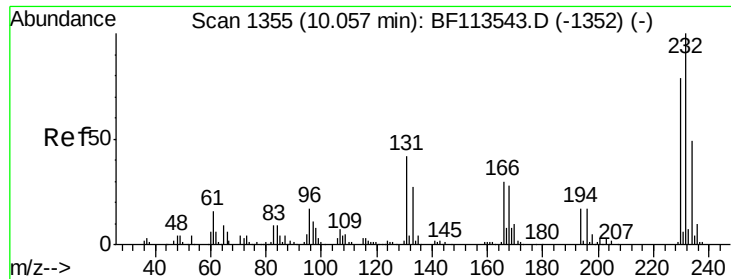
Sohil
 4/9/2019 10:15:57 AM



#58
 Fluorene
 Concen: 33.582 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	535772		
165	94.0	76.2	114.2	
167	13.6	10.7	16.1	





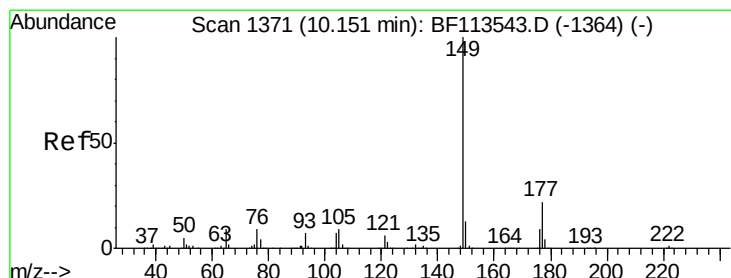
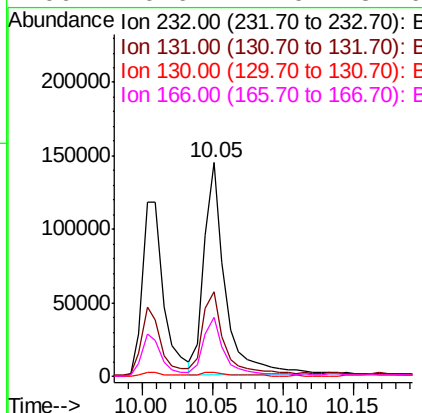
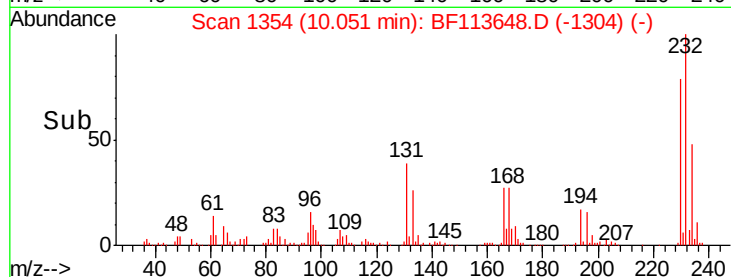
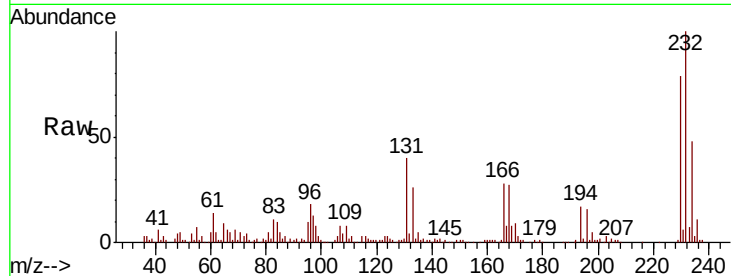
#59
2,3,4,6-Tetrachlorophenol
Concen: 33.599 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	150715		
131	39.3	33.2	49.8	
130	2.1	1.6	2.4	
166	26.6	21.0	31.6	

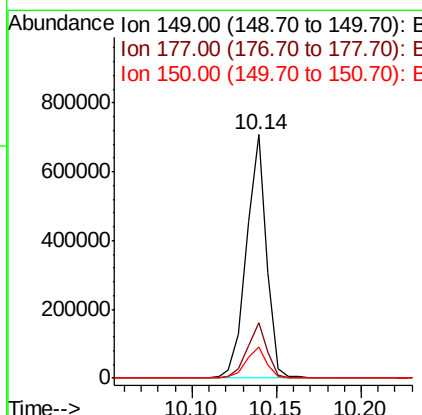
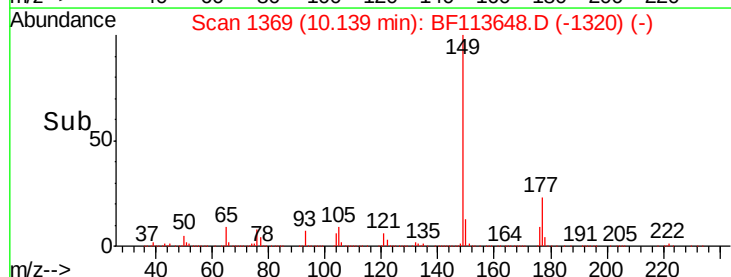
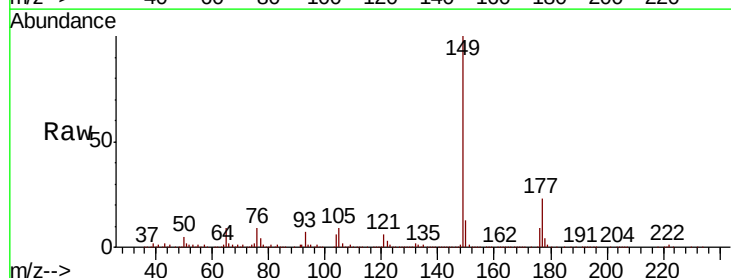
Manual Integrations
APPROVED

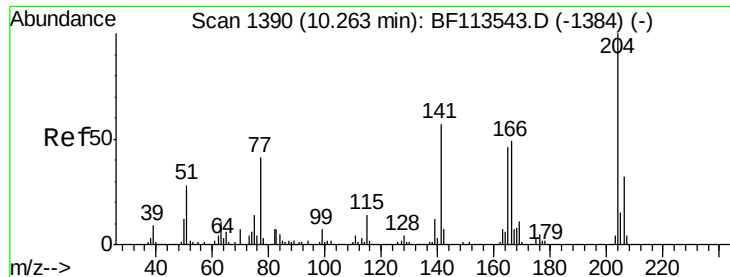
Sohil
4/9/2019 10:15:57 AM



#60
Diethylphthalate
Concen: 34.723 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	583498		
177	22.6	17.4	26.0	
150	12.7	10.0	15.0	





#61

4-Chlorophenyl-phenylether

Concen: 35.244 ng

RT: 10.25 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

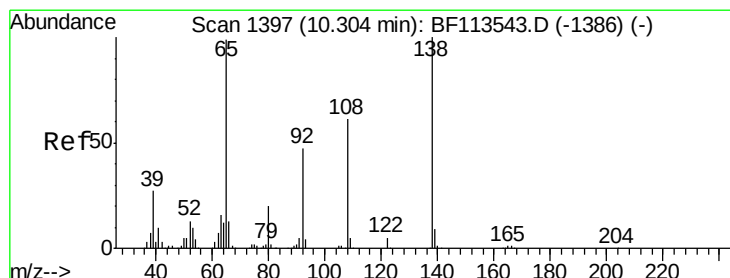
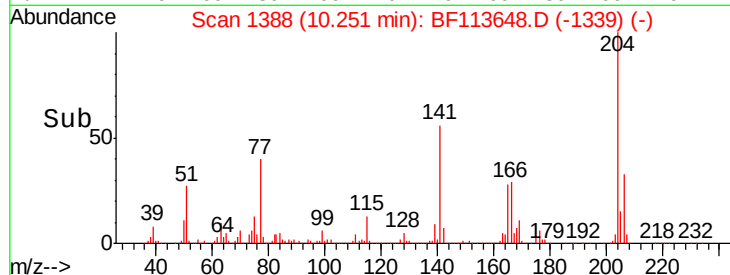
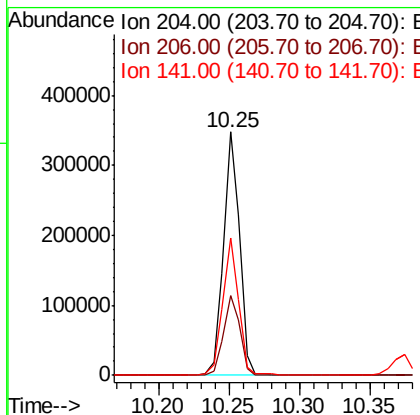
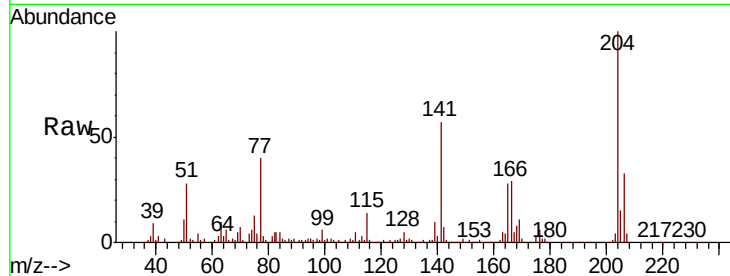
ClientSampleId :

HA-040519MSD

Tot Ion:	204	Resp:	276570
Ion Ratio	Lower	Upper	
204	100		
206	33.0	26.9	40.3
141	56.5	48.8	73.2

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM



#62

4-Nitroaniline

Concen: 29.149 ng

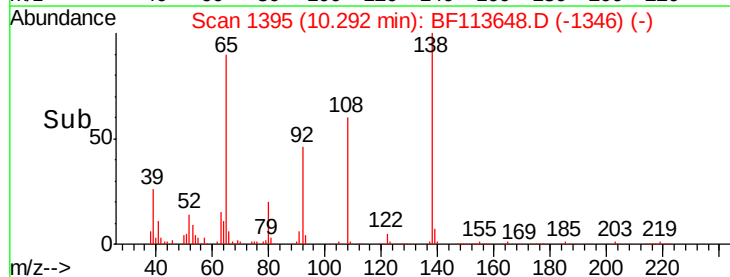
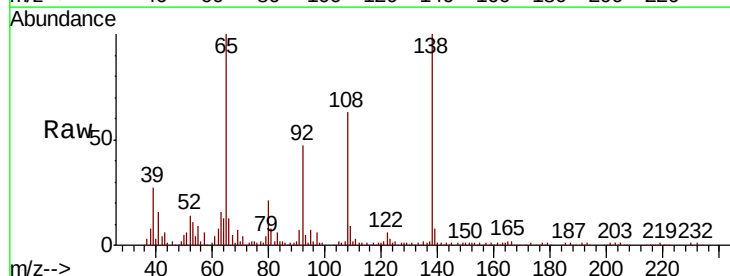
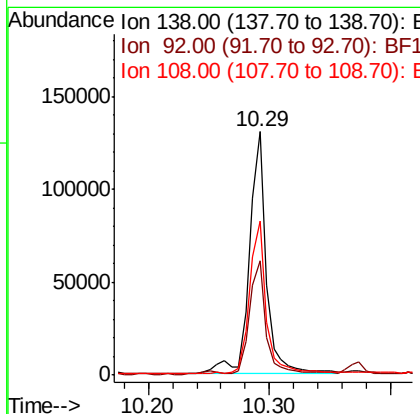
RT: 10.29 min Scan# 1395

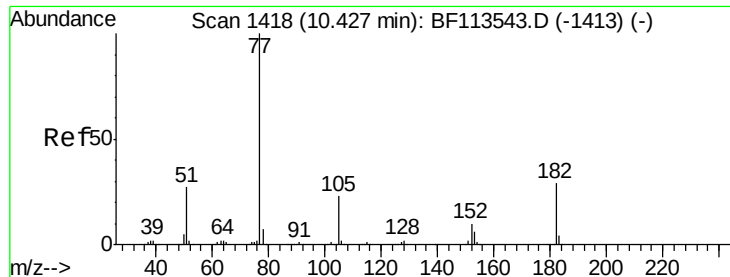
Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Tgt Ion:	138	Resp:	129478
Ion Ratio	Lower	Upper	
138	100		
92	46.7	25.8	65.8
108	63.2	44.0	84.0





#63

Azobenzene

Concen: 32.885 ng

RT: 10.42 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

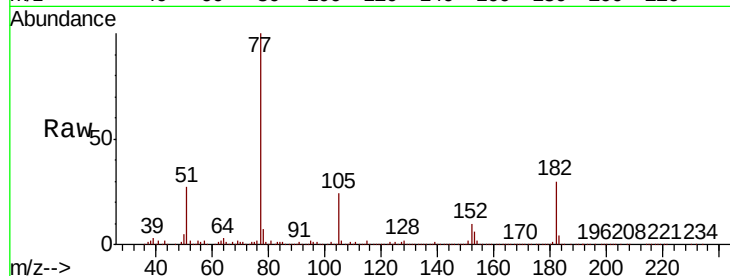
ClientSampleId :

HA-040519MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	30.2	8.7	48.7	
105	23.6	2.9	42.9	
51	27.3	8.8	48.8	

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM

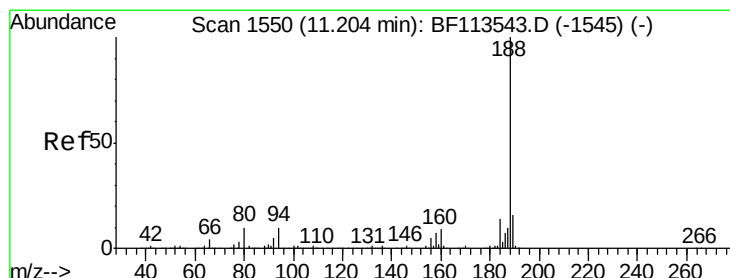
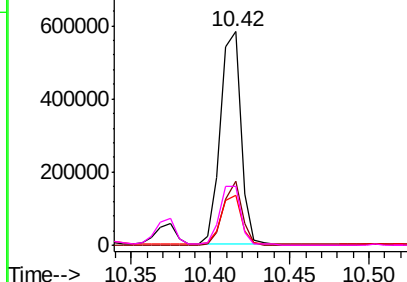
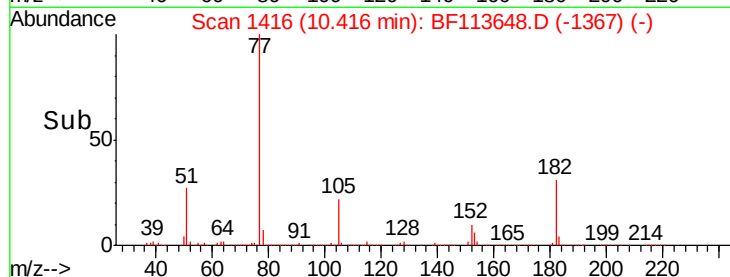


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

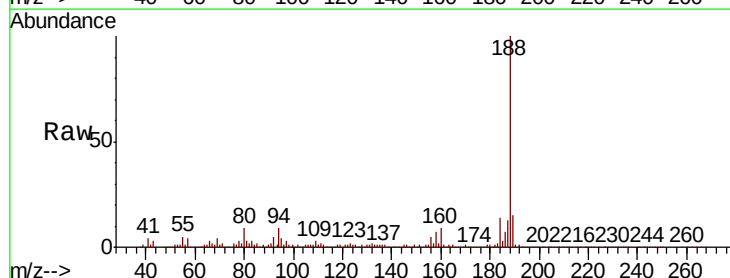
RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

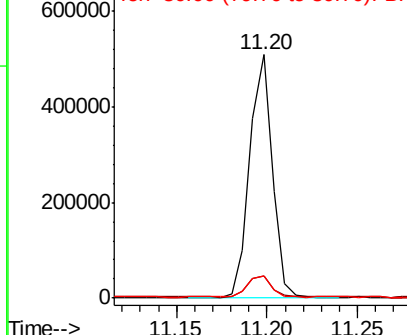
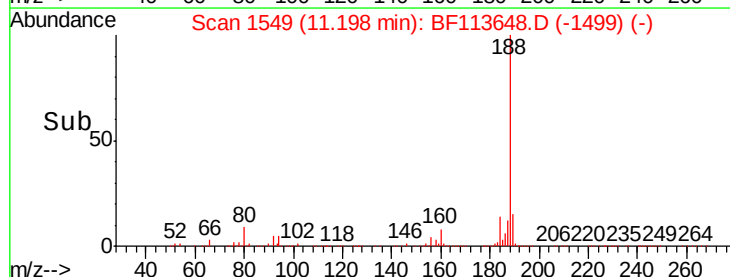
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.0	7.0	10.6	
80	9.3	7.7	11.5	

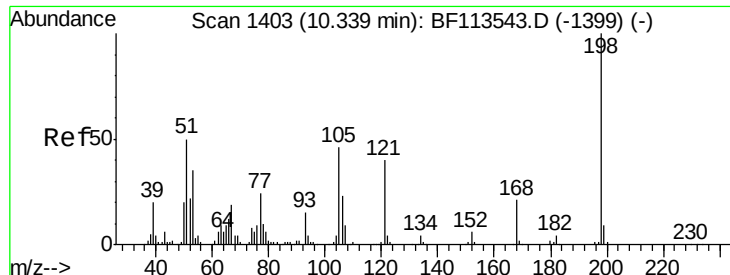


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





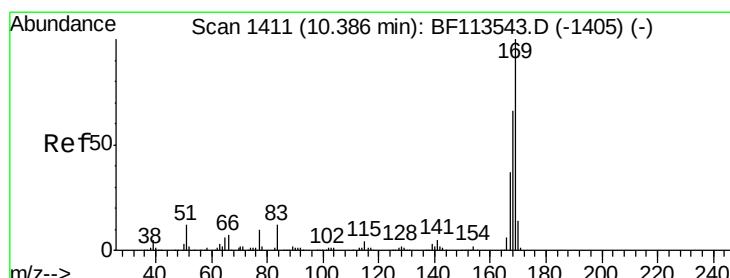
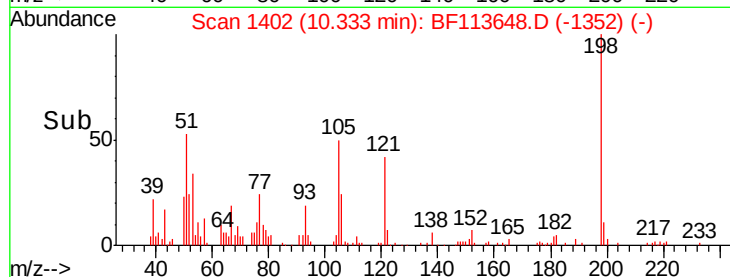
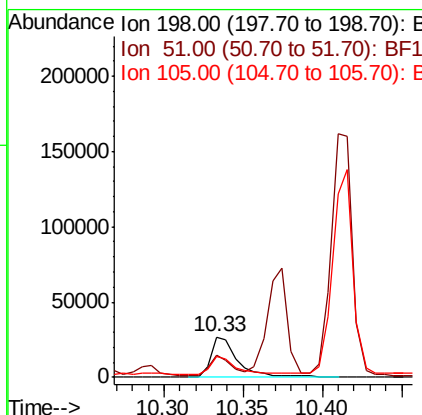
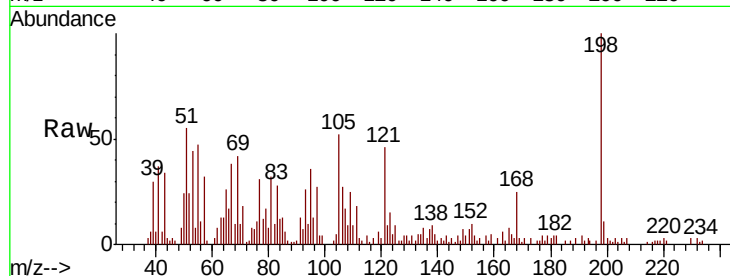
#65
4,6-Dinitro-2-methylphenol
Concen: 13.643 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	54.9	21.6	61.6
105	52.1	20.6	60.6

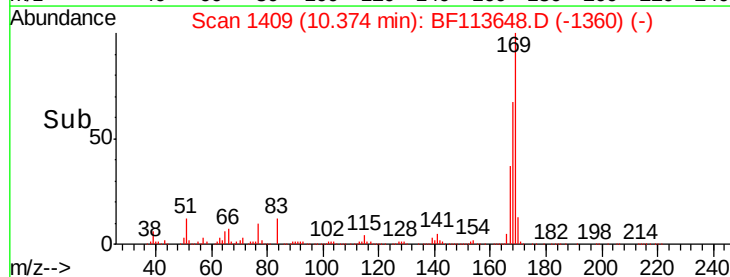
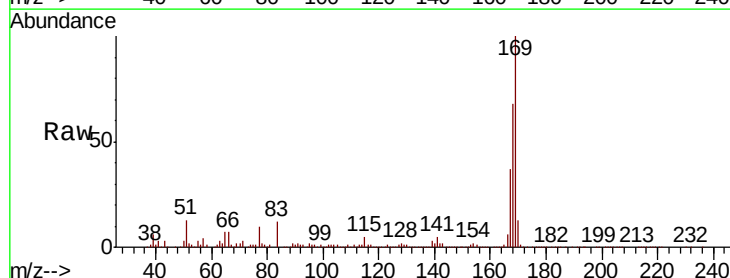
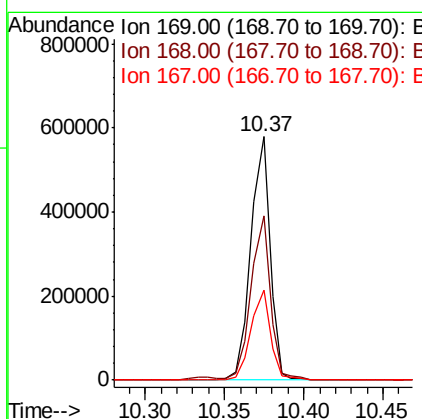
Manual Integrations
APPROVED

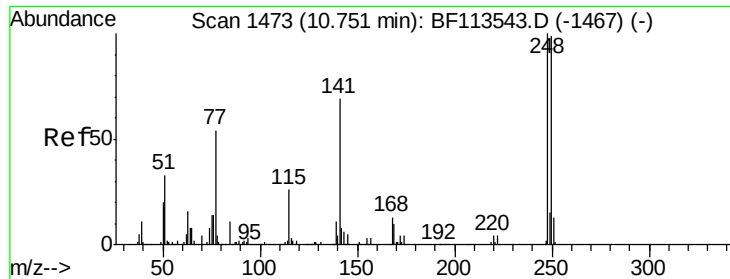
Sohil
4/9/2019 10:15:57 AM



#66
n-Nitrosodiphenylamine
Concen: 35.968 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.7	80.5
167	36.9	29.5	44.3





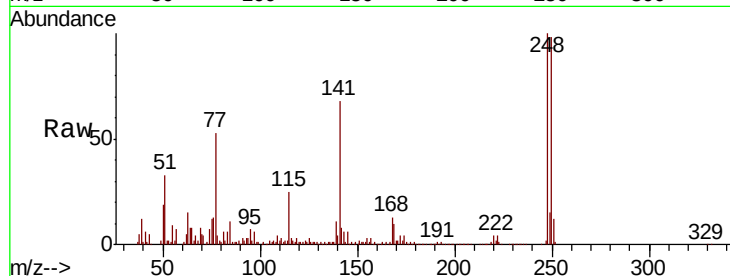
#67
4-Bromophenyl-phenylether
Concen: 34.565 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.0	78.3	117.5
141	68.0	56.2	84.4

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM

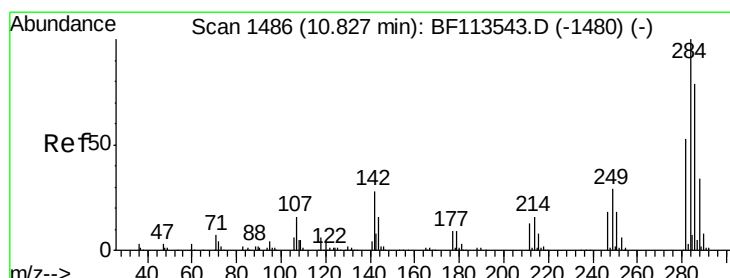
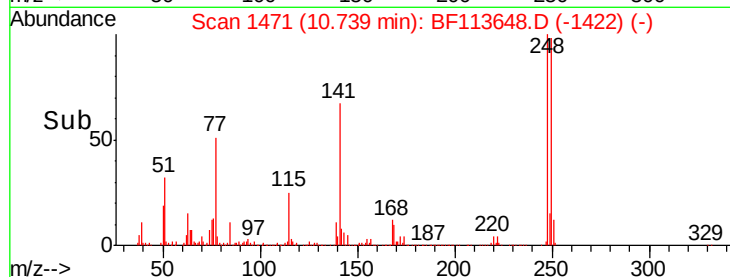
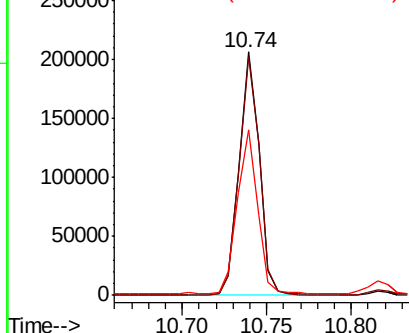


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 34.156 ng
RT: 10.82 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

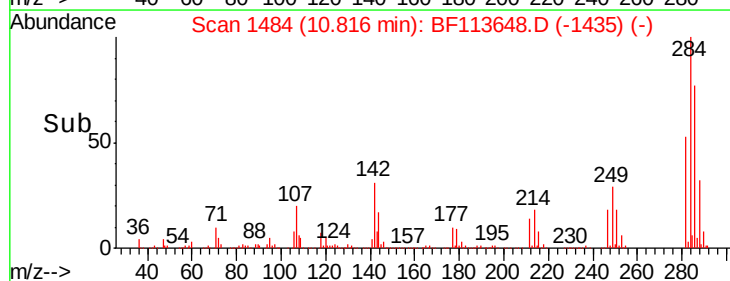
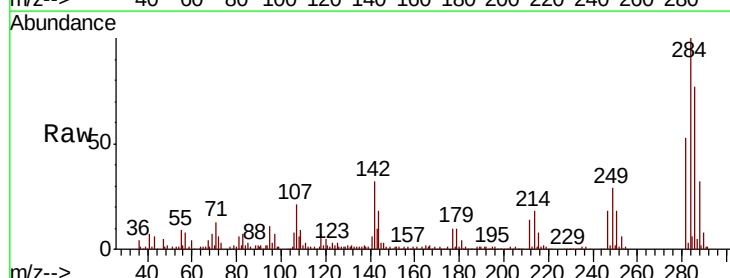
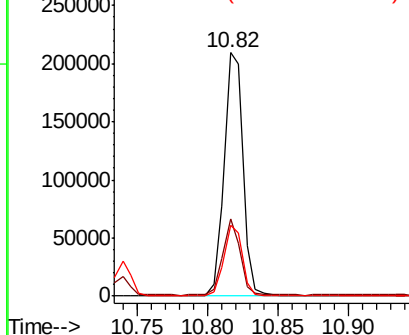
Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.6	20.1	30.1#
249	29.0	22.7	34.1

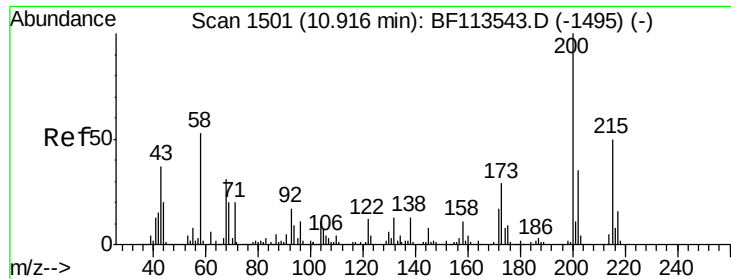
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 36.148 ng

RT: 10.90 min Scan# 1499

Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

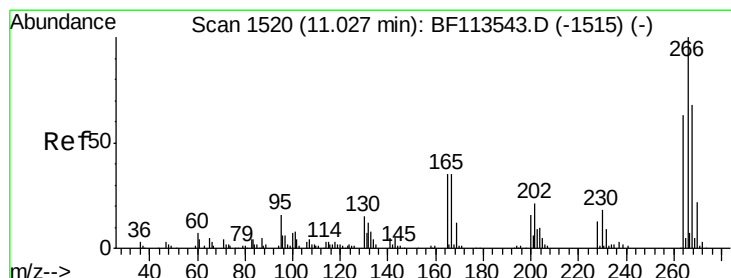
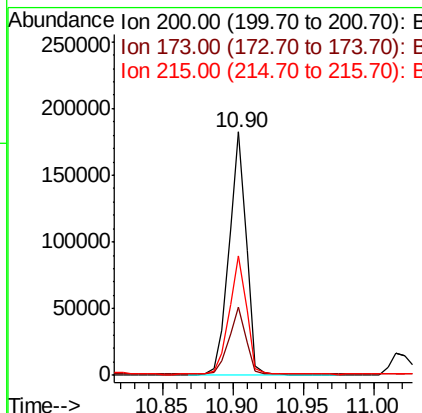
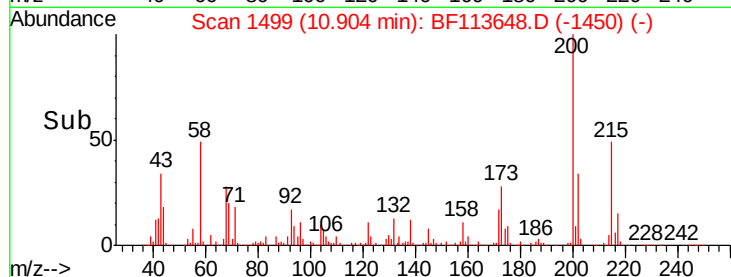
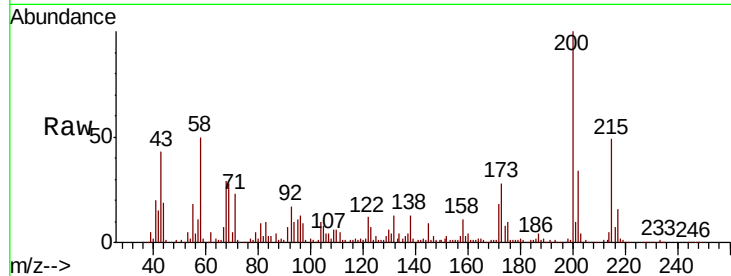
ClientSampleID :

HA-040519MSD

Tot Ion:	200	Resp:	155163
Ion Ratio	Lower	Upper	
200	100		
173	28.0	6.0	46.0
215	49.3	31.3	71.3

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM



#70

Pentachlorophenol

Concen: 55.815 ng

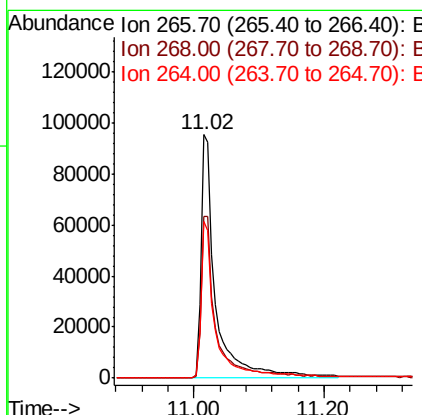
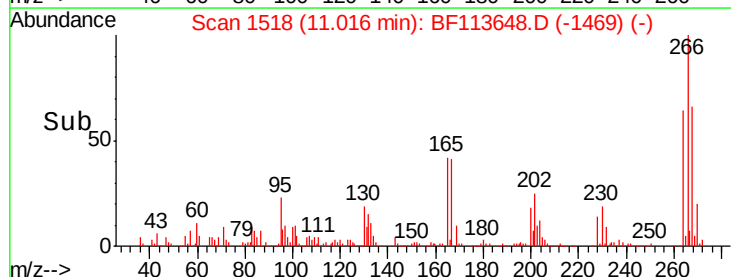
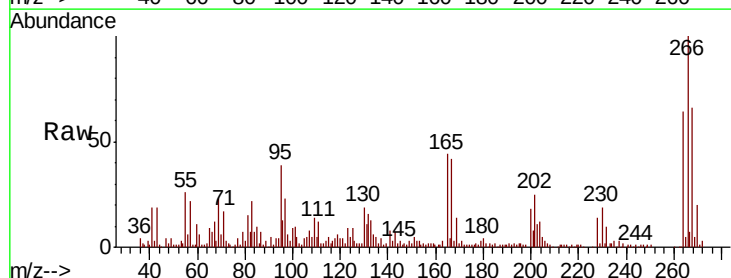
RT: 11.02 min Scan# 1518

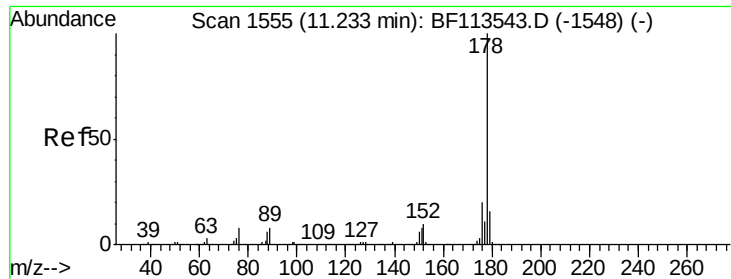
Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Tgt Ion:	266	Resp:	149934
Ion Ratio	Lower	Upper	
266	100		
268	66.2	53.8	80.6
264	64.1	49.2	73.8





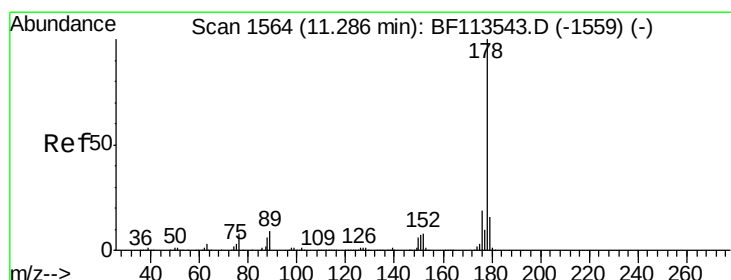
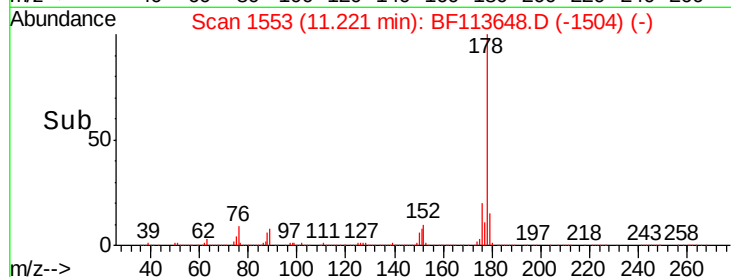
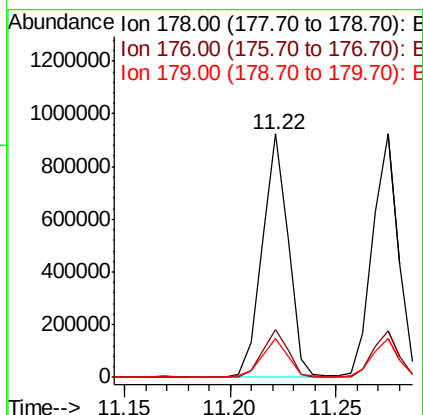
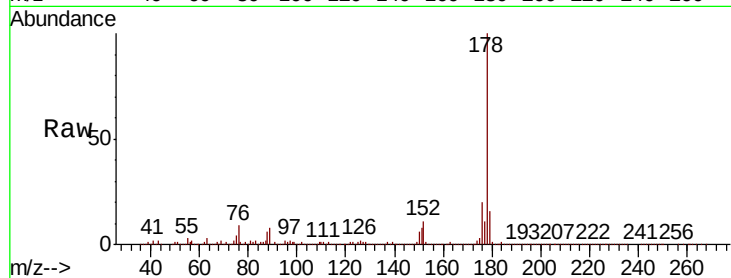
#71
Phenanthrene
Concen: 35.808 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.2
179	15.8	12.7	19.1

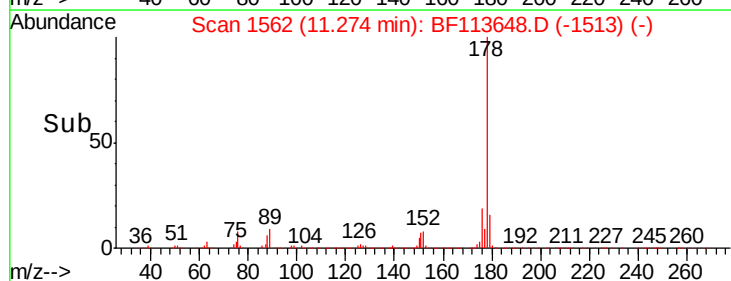
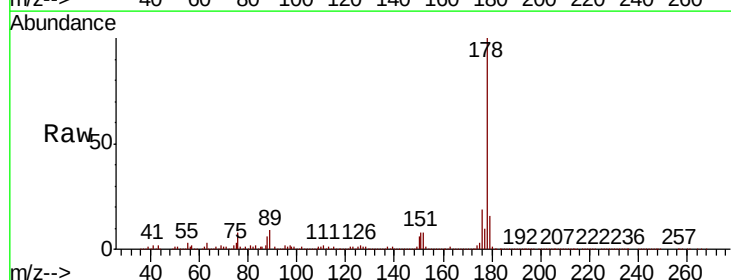
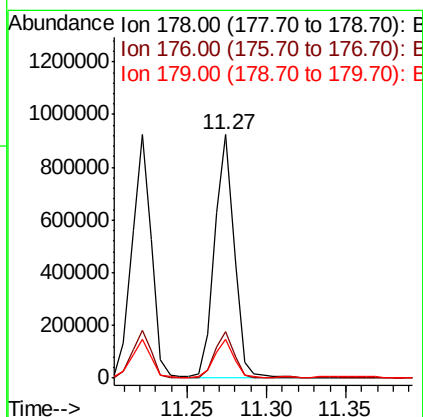
Manual Integrations
APPROVED

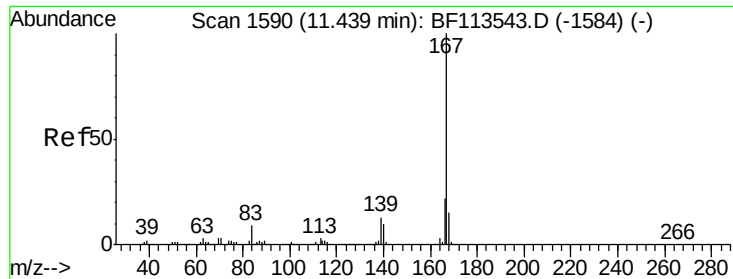
Sohil
4/9/2019 10:15:57 AM



#72
Anthracene
Concen: 35.260 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.8	12.8	19.2





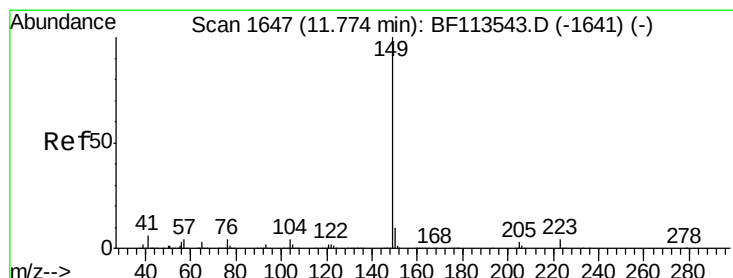
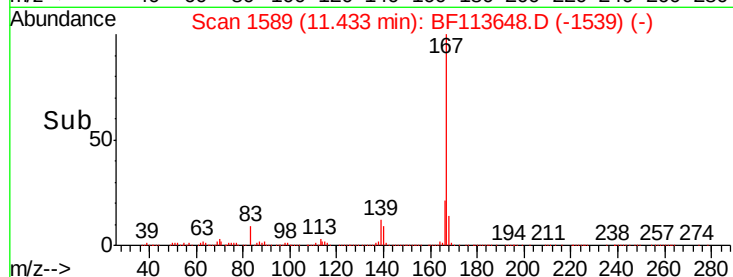
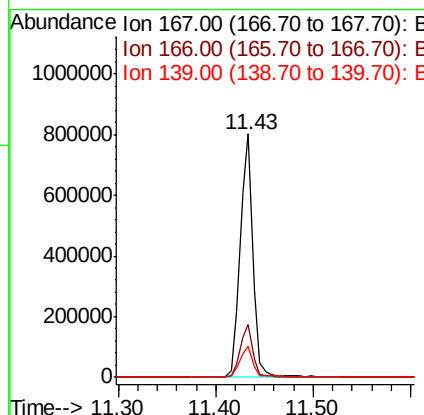
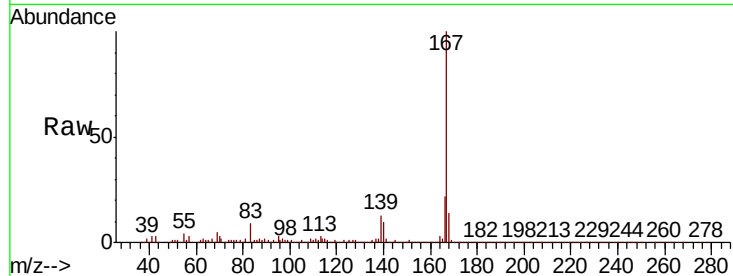
#73
 Carbazole
 Concen: 34.212 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Instrument :
 BNA_F
 ClientSampleId :
 HA-040519MSD

Tot Ion:	167	Resp:	717631
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.4	26.0
139	12.5	10.4	15.6

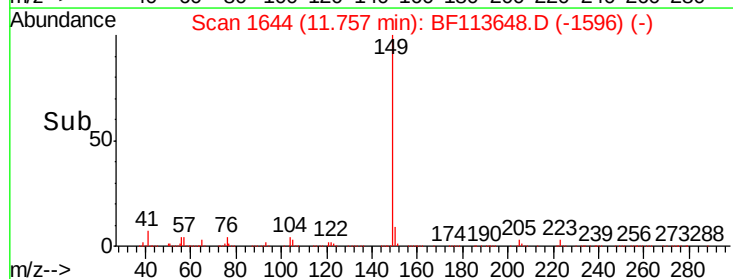
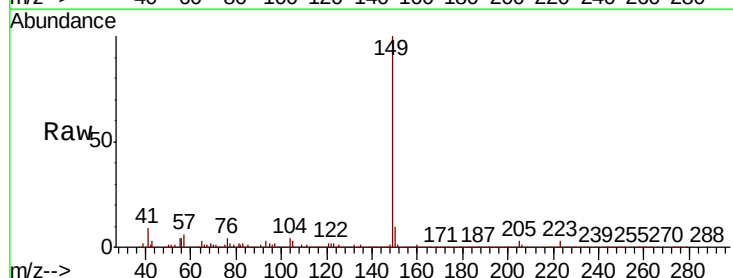
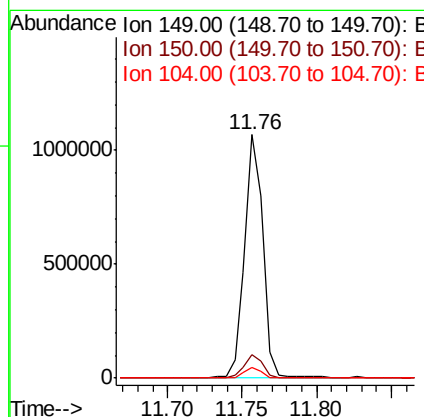
Manual Integrations
 APPROVED

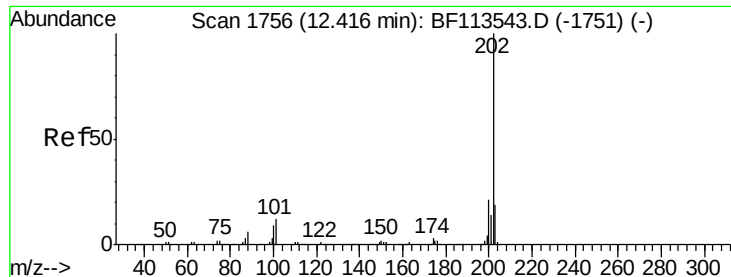
Sohil
 4/9/2019 10:15:57 AM



#74
 Di-n-butylphthalate
 Concen: 35.773 ng
 RT: 11.76 min Scan# 1644
 Delta R.T. -0.02 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Tgt Ion:	149	Resp:	892640
Ion Ratio	Lower	Upper	
149	100		
150	9.6	7.7	11.5
104	4.4	3.7	5.5





#75

Fluoranthene

Concen: 36.118 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

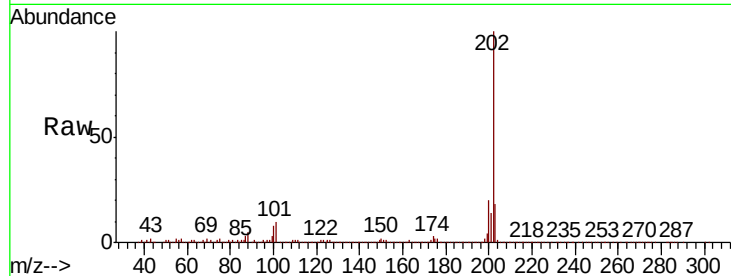
ClientSampleId :

HA-040519MSD

Tot Ion:	202	Resp:	853146
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	31.4
203	17.9	0.0	38.0

Manual Integrations
APPROVED

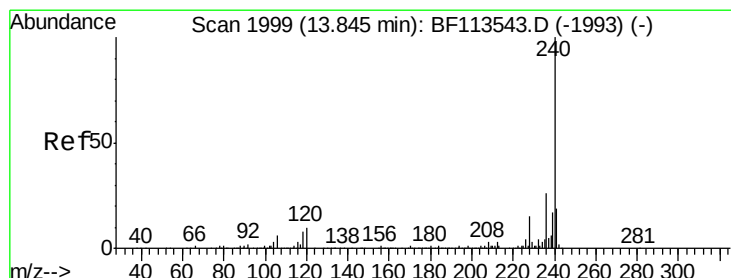
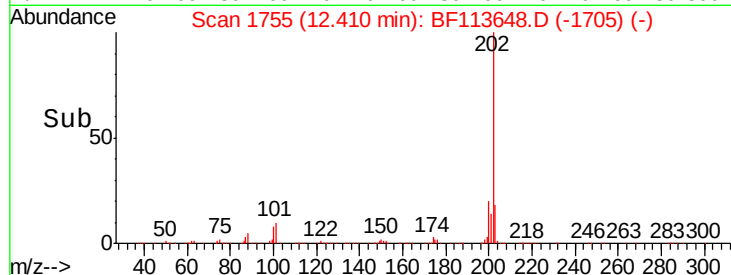
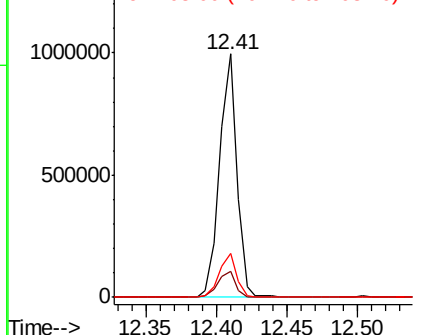
Sohil
4/9/2019 10:15:57 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF113648.D

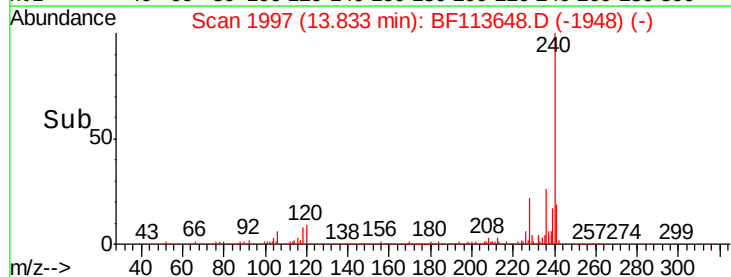
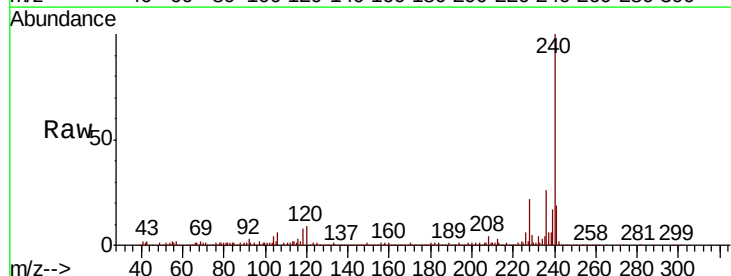
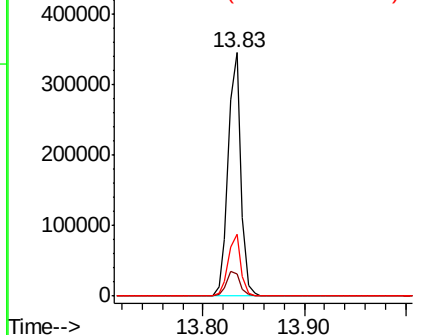
Acq: 8 Apr 2019 19:28

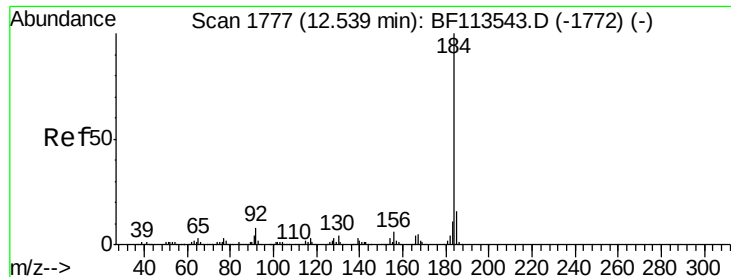
Tgt Ion:	240	Resp:	302085
Ion Ratio	Lower	Upper	
240	100		
120	9.3	8.8	13.2
236	25.6	20.9	31.3

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 14.777 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

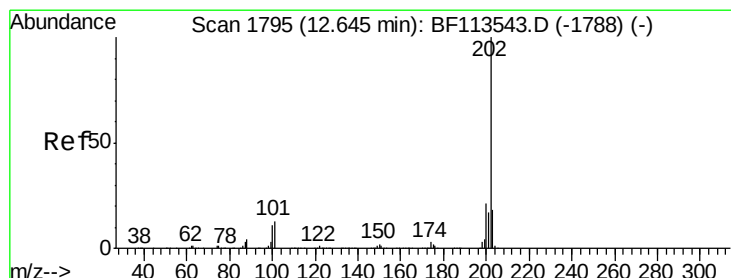
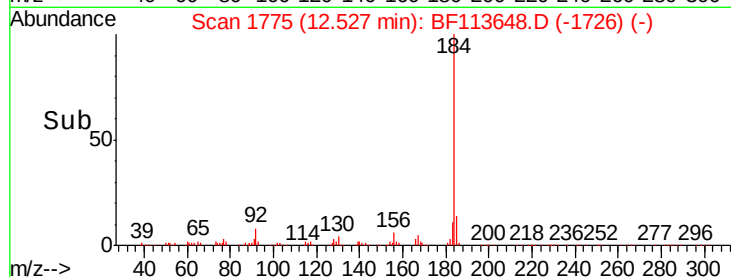
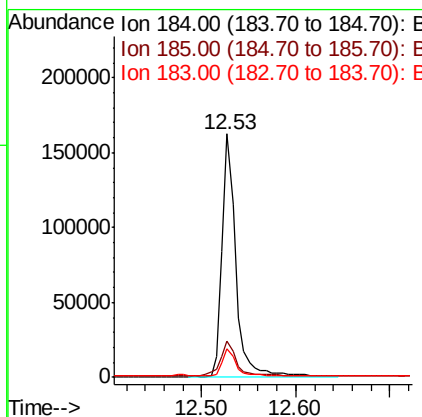
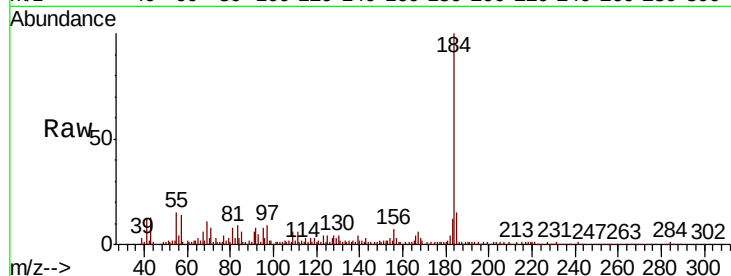
ClientSampleId :

HA-040519MSD

Tot Ion:	184	Resp:	165993
Ion Ratio	Lower	Upper	
184	100		
185	14.8	13.0	19.6
183	11.6	9.0	13.4

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM



#78

Pyrene

Concen: 36.624 ng

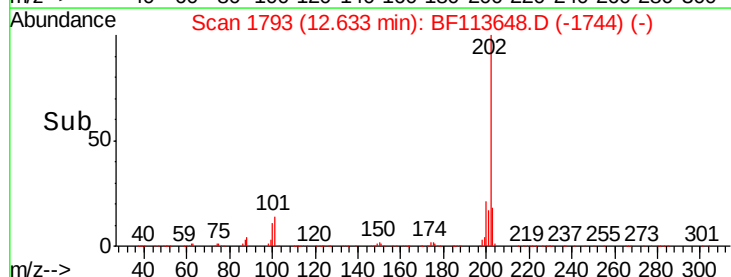
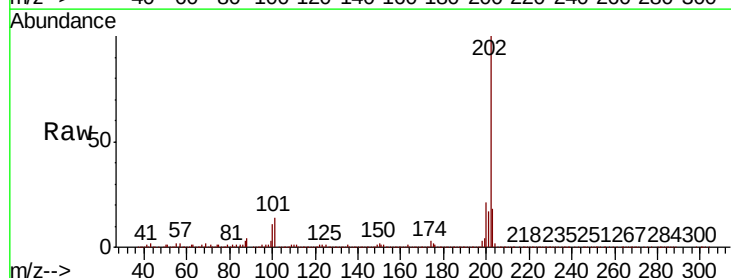
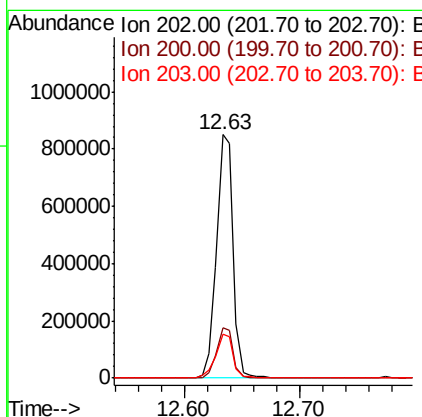
RT: 12.63 min Scan# 1793

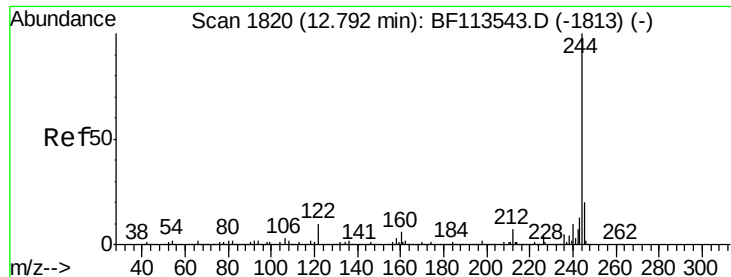
Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Tgt Ion:	202	Resp:	841813
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.8	25.2
203	18.0	14.4	21.6





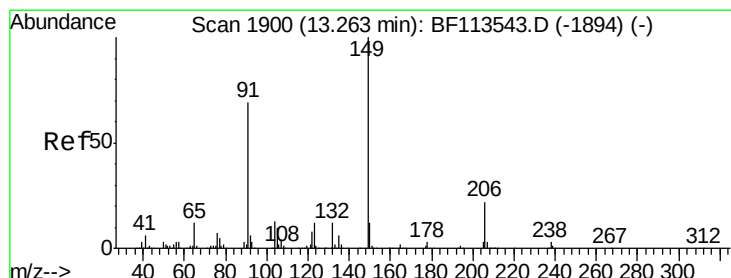
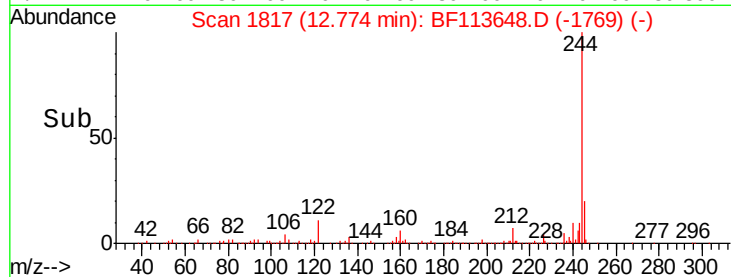
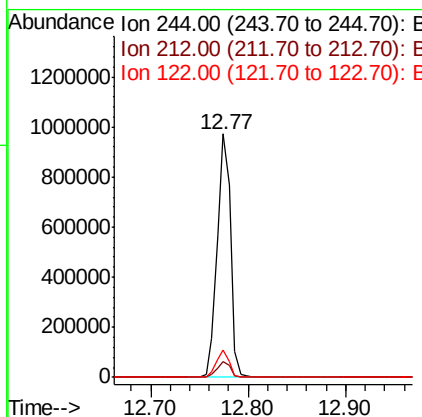
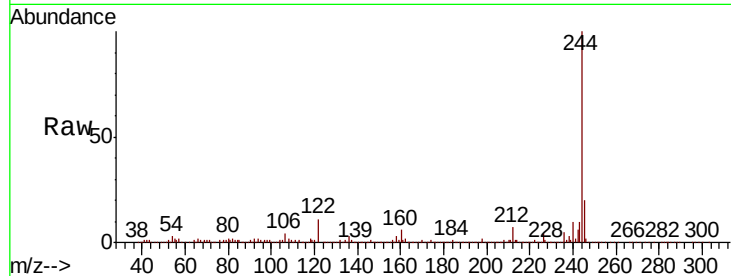
#79
 Terphenyl-d14
 Concen: 62.314 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.02 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Instrument :
 BNA_F
 ClientSampleId :
 HA-040519MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.5	8.3
122	11.5	8.6	13.0

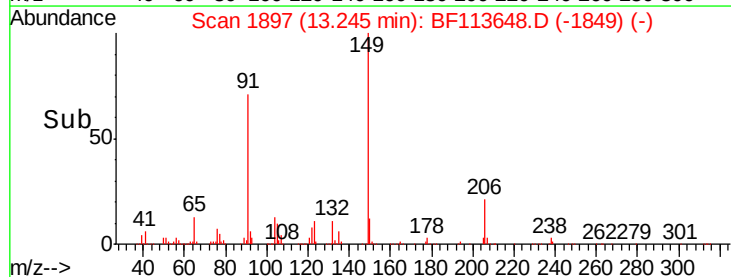
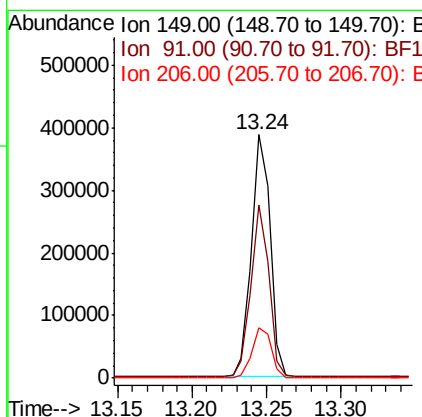
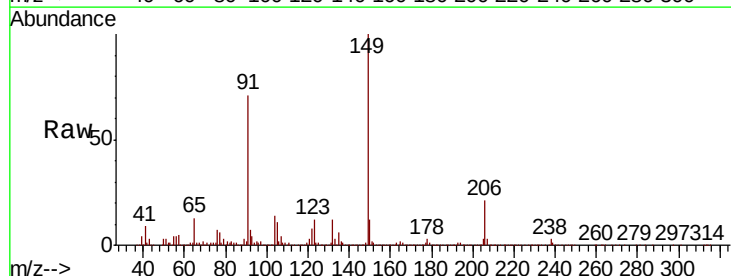
Manual Integrations
 APPROVED

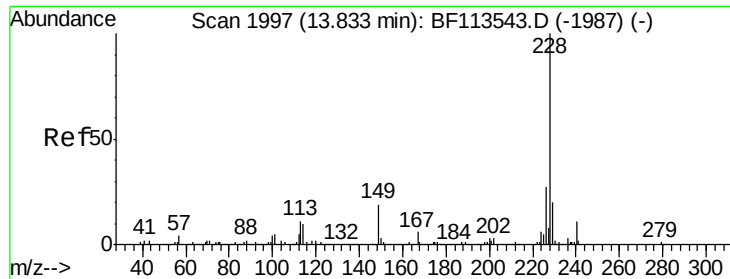
Sohil
 4/9/2019 10:15:57 AM



#80
 Butylbenzylphthalate
 Concen: 35.961 ng
 RT: 13.24 min Scan# 1897
 Delta R.T. -0.02 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.9	55.2	82.8
206	20.7	16.1	24.1





#81

Benzo(a)anthracene

Concen: 35.117 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

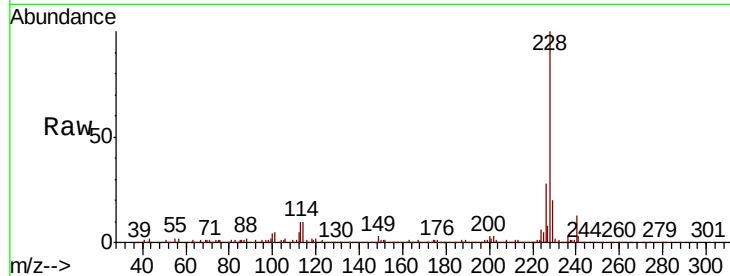
ClientSampleId :

HA-040519MSD

Tot Ion:	228	Resp:	611954
Ion Ratio	Lower	Upper	
228	100		
226	27.5	21.8	32.8
229	20.4	16.2	24.4

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM

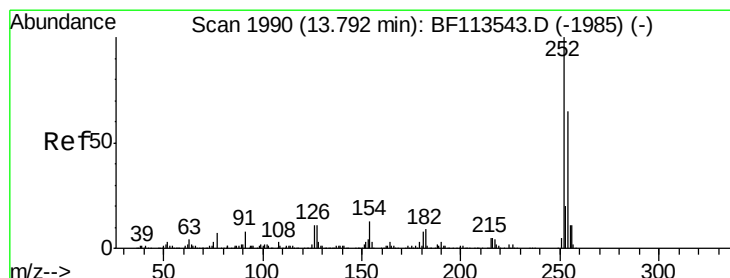
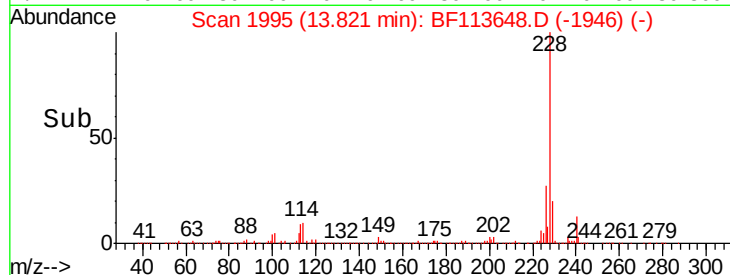
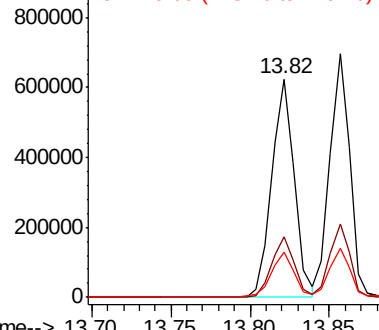


Abundance

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: 18.050 ng

RT: 13.78 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

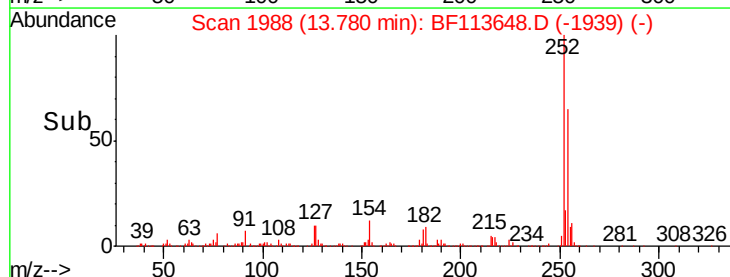
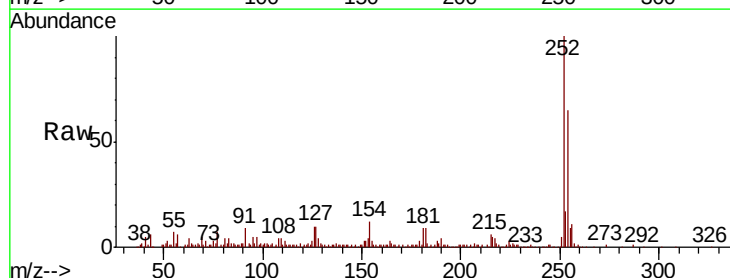
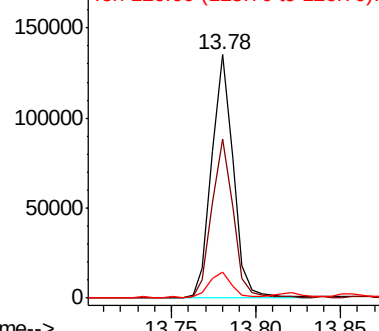
Tgt Ion:	252	Resp:	121150
Ion Ratio	Lower	Upper	
252	100		
254	65.4	52.2	78.2
126	10.5	8.5	12.7

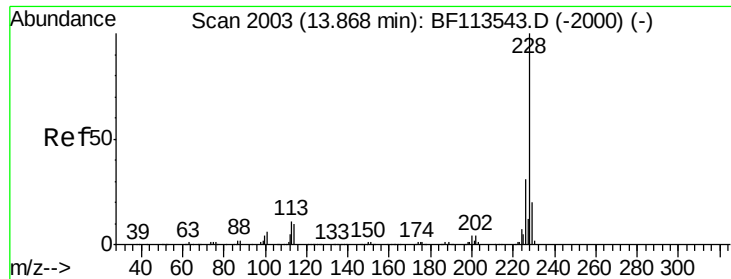
Abundance

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





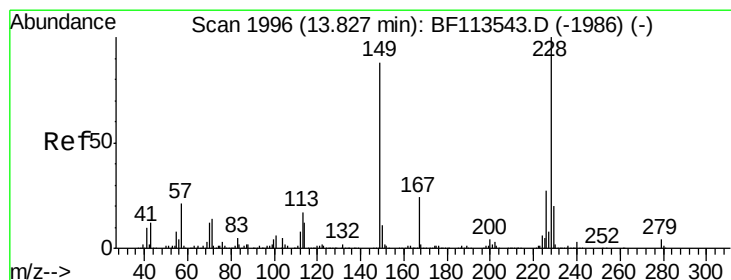
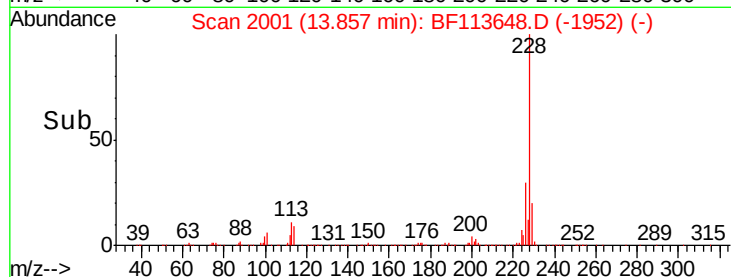
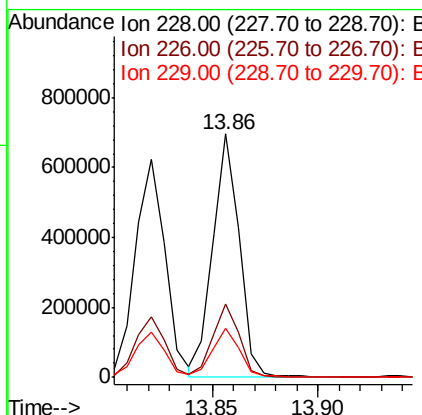
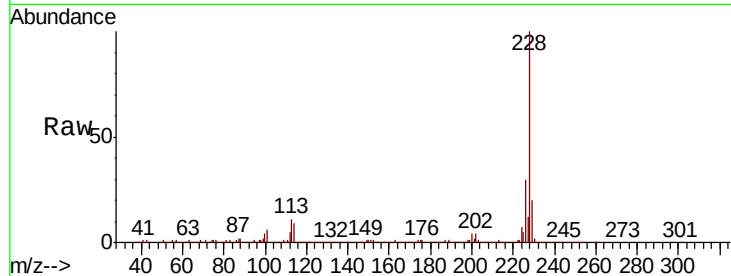
#83
 Chrvsene
 Concen: 34.376 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Instrument :
 BNA_F
 ClientSampleId :
 HA-040519MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.3	36.5
229	20.3	16.3	24.5

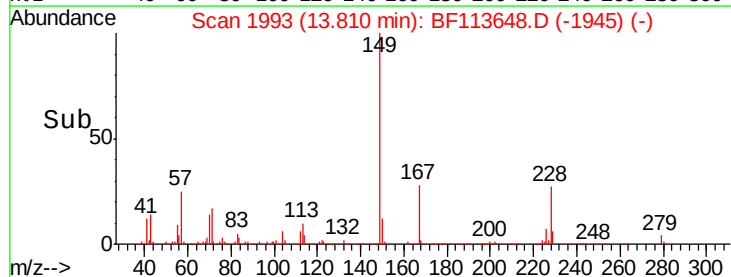
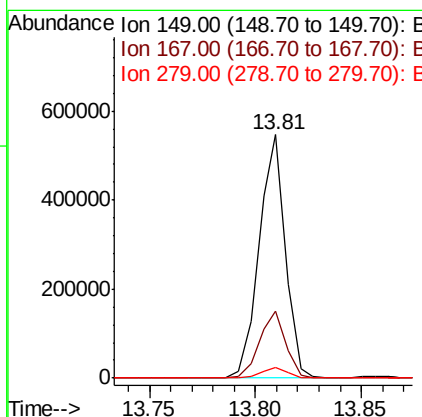
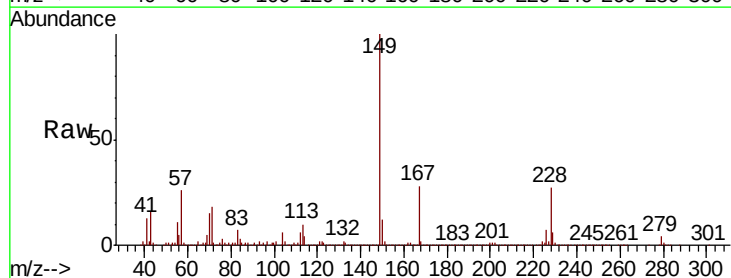
Manual Integrations
 APPROVED

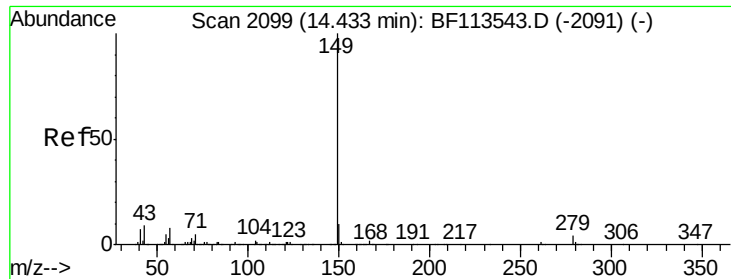
Sohil
 4/9/2019 10:15:57 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 41.514 ng
 RT: 13.81 min Scan# 1993
 Delta R.T. -0.02 min
 Lab File: BF113648.D
 Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.8	32.8
279	4.3	2.9	4.3





#85

Di-n-octyl phthalate

Concen: 40.089 ng

RT: 14.42 min Scan# 2096

Delta R.T. -0.02 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

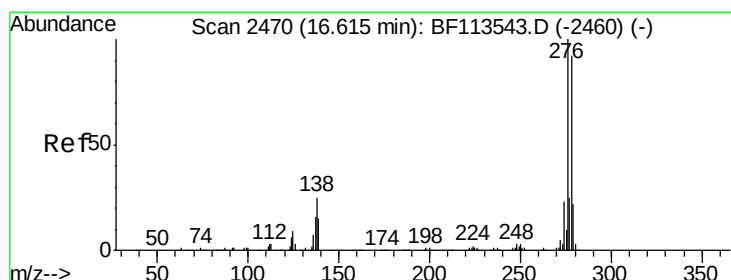
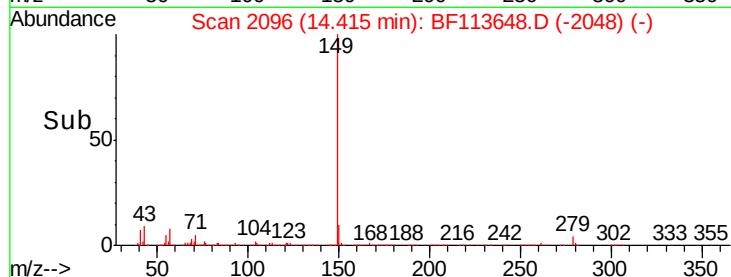
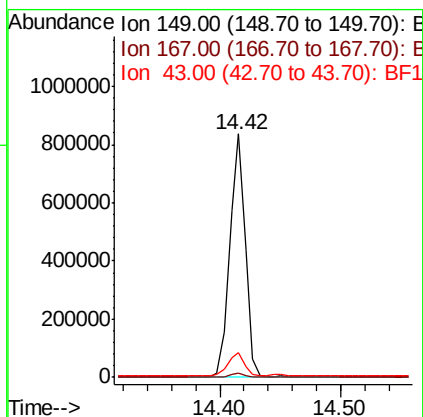
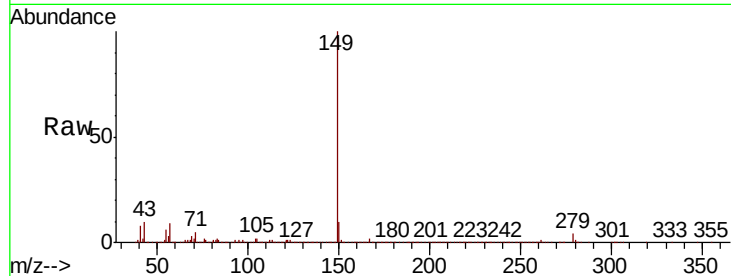
ClientSampleId :

HA-040519MSD

Tot Ion:	149	Resp:	737162
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.3	1.9
43	9.8	7.7	11.5

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM



#86

Indeno(1,2,3-cd)pyrene

Concen: 41.265 ng

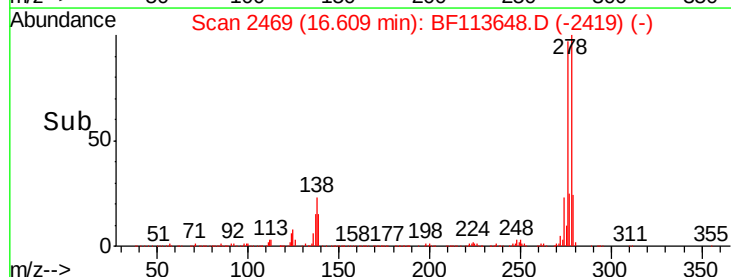
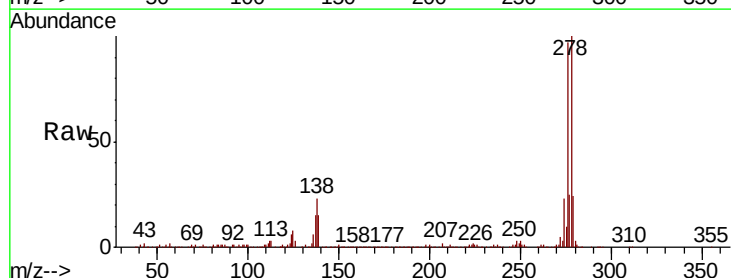
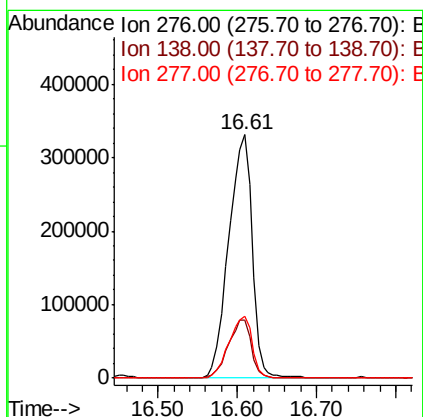
RT: 16.61 min Scan# 2469

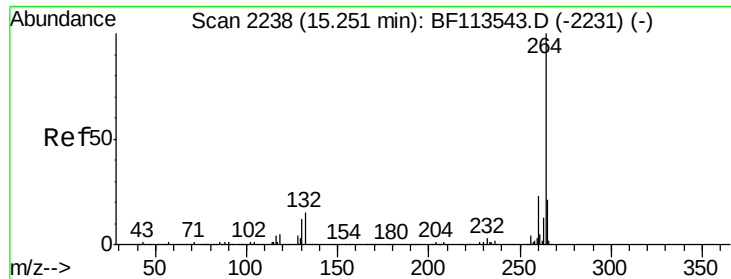
Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Tgt Ion:	276	Resp:	673017
Ion Ratio	Lower	Upper	
276	100		
138	23.5	18.1	27.1
277	25.3	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Instrument :

BNA_F

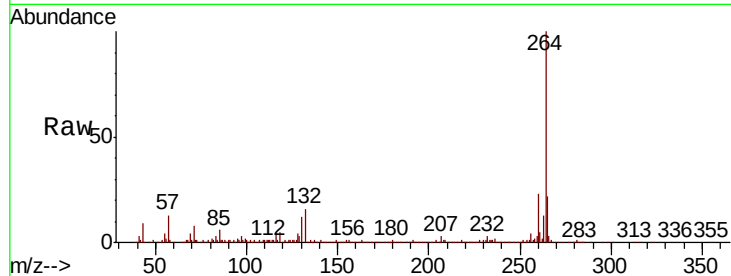
ClientSampleId :

HA-040519MSD

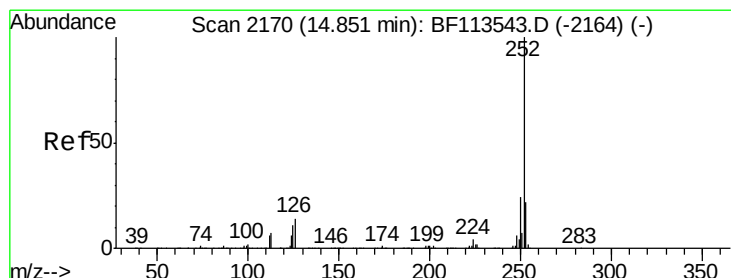
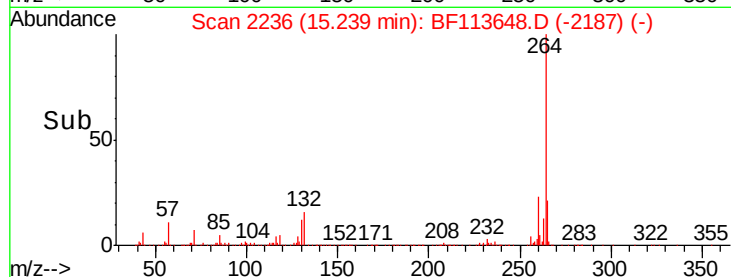
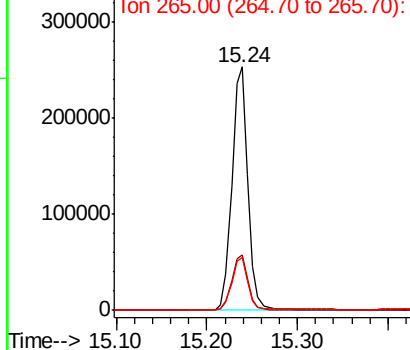
Tot Ion:	264	Resp:	311806
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.1	28.7
265	21.6	17.1	25.7

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM



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



#88

Benzo(b)fluoranthene

Concen: 36.301 ng

RT: 14.84 min Scan# 2168

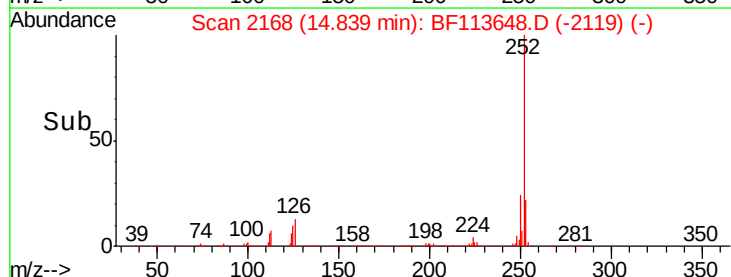
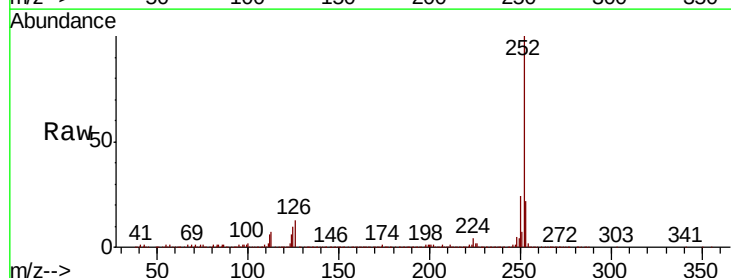
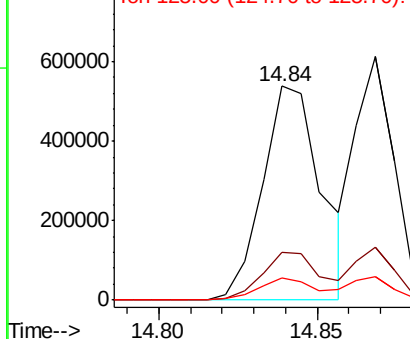
Delta R.T. -0.01 min

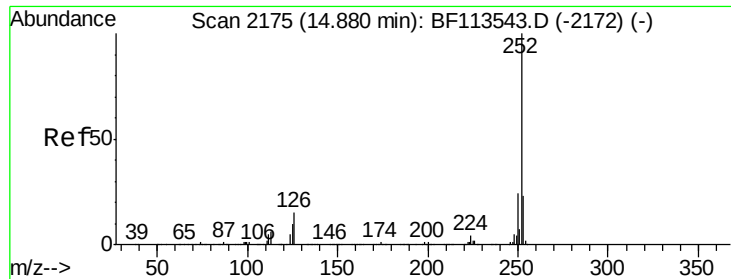
Lab File: BF113648.D

Acq: 8 Apr 2019 19:28

Tgt Ion:	252	Resp:	692853
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.0	27.0
125	10.3	7.6	11.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





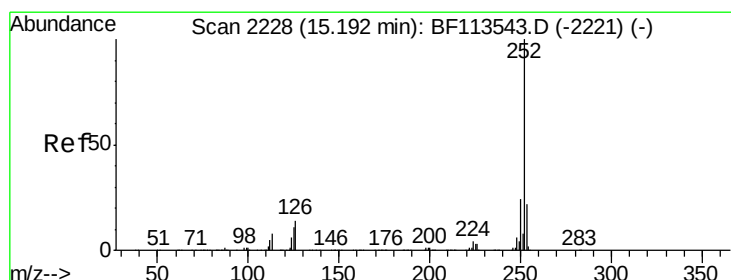
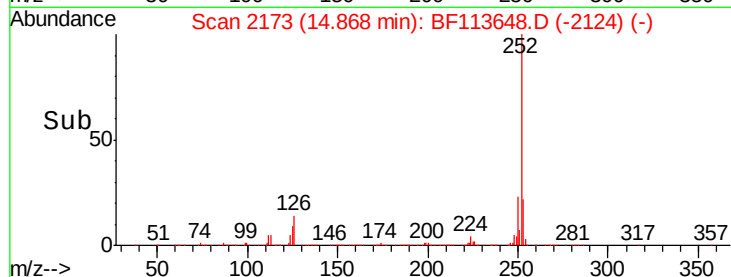
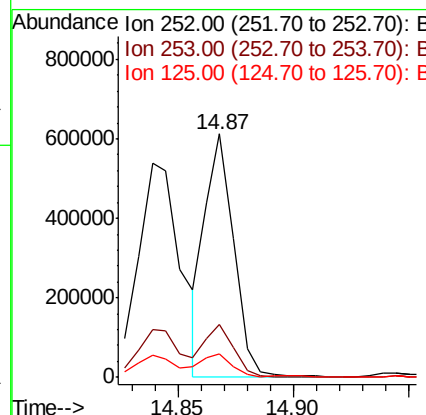
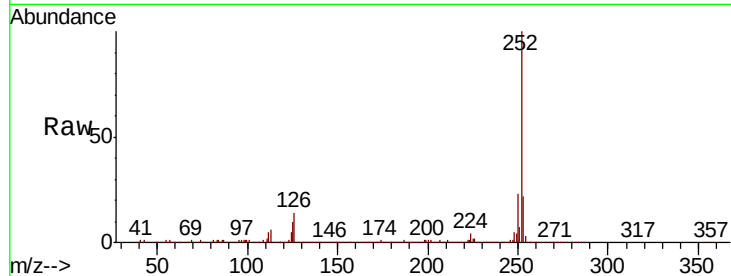
#89
Benzo(k)fluoranthene
Concen: 30.784 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.8	7.3	10.9

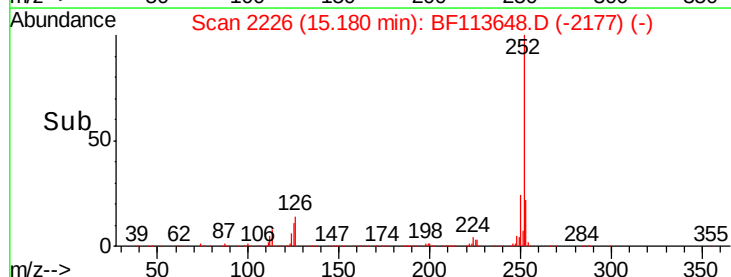
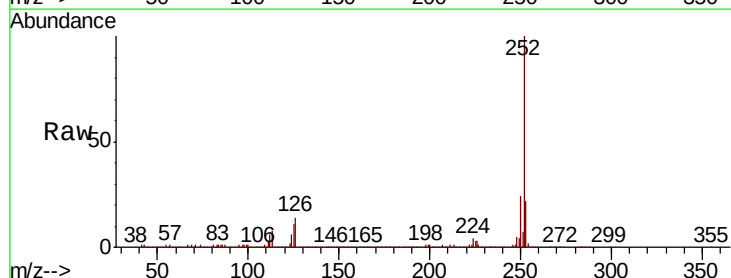
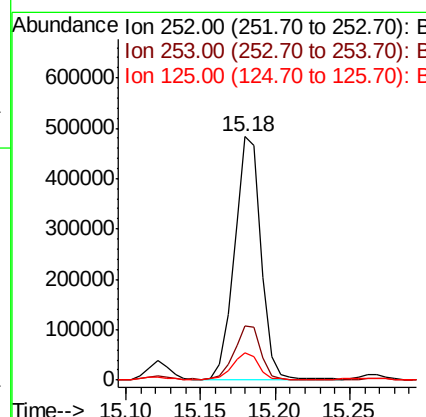
Manual Integrations
APPROVED

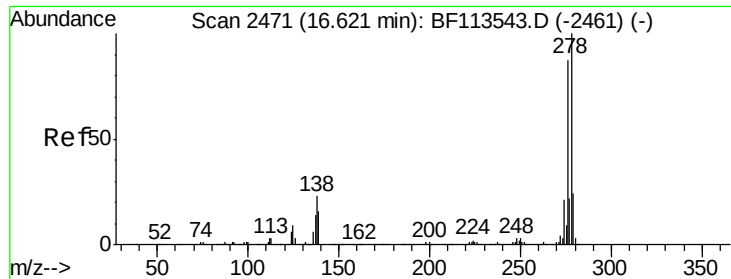
Sohil
4/9/2019 10:15:57 AM



#90
Benzo(a)pyrene
Concen: 35.417 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	11.1	8.8	13.2





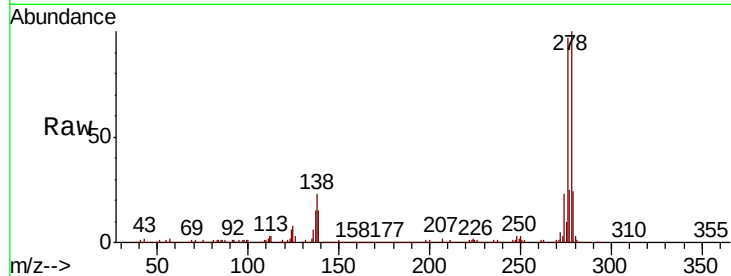
#91
Dibenzo(a,h)anthracene
Concen: 35.378 ng
RT: 16.61 min Scan# 2469
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Instrument :
BNA_F
ClientSampleId :
HA-040519MSD

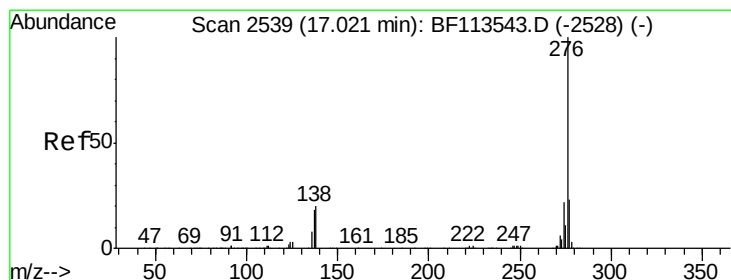
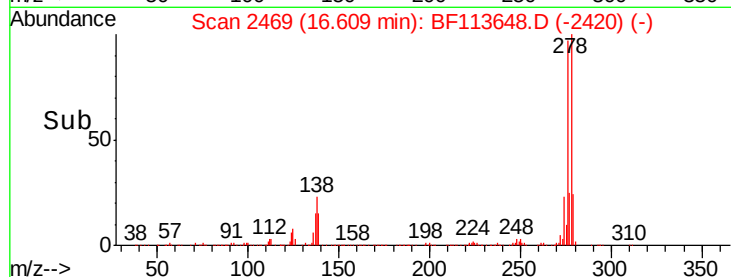
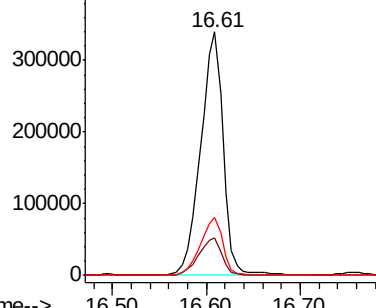
Tot Ion	Ratio	Lower	Upper
278	100		
139	15.3	12.0	18.0
279	24.0	19.0	28.6

Manual Integrations
APPROVED

Sohil
4/9/2019 10:15:57 AM



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



#92
Benzo(g,h,i)perylene
Concen: 34.055 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF113648.D
Acq: 8 Apr 2019 19:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	20.0	15.6	23.4

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

