

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
 Data File : BF103951.D
 Acq On : 27 Mar 2018 2:54
 Operator : JU/SJ
 Sample : J2046-01MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PF-01MSD

Manual Integrations
 APPROVED

Sohil
 3/27/2018 2:16:07 PM

Quant Time: Mar 27 08:45:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	135936	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	545773	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	239115	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	387068	20.00	ng	0.00
75) Chrysene-d12	14.17	240	257151	20.00	ng	0.00
86) Perylene-d12	15.71	264	230731	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	1091742	122.16	ng	0.02
7) Phenol-d6	6.61	99	1370520	125.34	ng	0.01
23) Nitrobenzene-d5	7.55	82	831243	106.21	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	318147	154.75	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1344596	89.70	ng	0.00
78) Terphenyl-d14	13.10	244	1119988	101.09	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.89	88	161378	36.671	ng	# 87
3) Pyridine	3.66	79	436567	36.067	ng	87
4) n-Nitrosodimethylamine	3.63	42	172953	38.752	ng	# 71
6) Aniline	6.65	93	410769	26.309	ng	96
8) 2-Chlorophenol	6.77	128	434239	46.381	ng	91
9) Benzaldehyde	6.53	77	100583	14.002	ng	96
10) Phenol	6.62	94	553276	47.619	ng	97
11) bis(2-Chloroethyl)ether	6.71	93	410454	42.793	ng	96
12) 1,3-Dichlorobenzene	6.92	146	449472	42.152	ng	99
13) 1,4-Dichlorobenzene	6.99	146	453867	42.358	ng	100
14) 1,2-Dichlorobenzene	7.15	146	422278	42.470	ng	98
15) Benzyl Alcohol	7.12	79	363970	42.962	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.25	45	518349	37.996	ng	92
17) 2-Methylphenol	7.22	107	357556	42.886	ng	98
18) Hexachloroethane	7.49	117	142509	37.810	ng	99
19) n-Nitroso-di-n-propylamine	7.39	70	276712	39.489	ng	92
20) 3+4-Methylphenols	7.37	107	429189	40.563	ng	92
22) Acetophenone	7.39	105	550623	39.255	ng	# 94
24) Nitrobenzene	7.56	77	433059	47.133	ng	95
25) Isophorone	7.80	82	800509	44.185	ng	98
26) 2-Nitrophenol	7.87	139	228854	62.029	ng	93
27) 2,4-Dimethylphenol	7.90	122	382724	49.311	ng	97
28) bis(2-Chloroethoxy)methane	8.00	93	522757	47.650	ng	99
29) 2,4-Dichlorophenol	8.12	162	355311	50.318	ng	98
30) 1,2,4-Trichlorobenzene	8.20	180	360185	43.979	ng	99
31) Naphthalene	8.28	128	1186159	43.024	ng	99
32) Benzoic acid	7.97	122	24187	13.410	ng	96
33) 4-Chloroaniline	8.32	127	166339	14.381	ng	97
34) Hexachlorobutadiene	8.39	225	193054	42.993	ng	99
35) Caprolactam	8.70	113	114990m	47.292	ng	
36) 4-Chloro-3-methylphenol	8.81	107	374647	48.127	ng	99
37) 2-Methylnaphthalene	8.97	142	776275	44.401	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.14	216	329857	48.354	ng	98
40) Hexachlorocyclopentadiene	9.12	237	103229	29.326	ng	98

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032618\
 Data File : BF103951.D
 Acq On : 27 Mar 2018 2:54
 Operator : JU/SJ
 Sample : J2046-01MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PF-01MSD

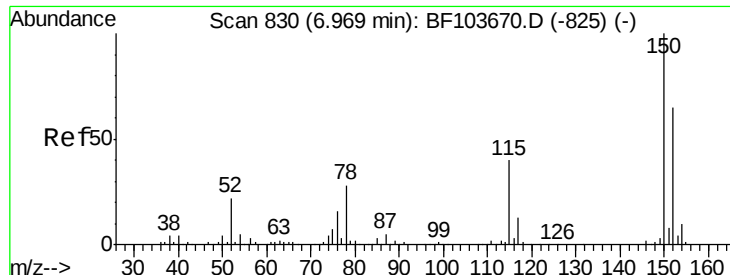
Manual Integrations
 APPROVED

Sohil
 3/27/2018 2:16:07 PM

Quant Time: Mar 27 08:45:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.25	196	238183	54.587	nq	99
43) 2,4,5-Trichlorophenol	9.30	196	252807	51.333	nq	94
45) 1,1'-Biphenyl	9.44	154	894736	44.874	nq	99
46) 2-Chloronaphthalene	9.47	162	716605	45.250	nq	97
47) 2-Nitroaniline	9.56	65	221931	52.779	nq	89
48) Acenaphthylene	9.89	152	1062465	43.264	nq	100
49) Dimethylphthalate	9.73	163	970086	53.175	nq	100
50) 2,6-Dinitrotoluene	9.80	165	194142	54.430	nq #	84
51) Acenaphthene	10.06	154	641623	44.002	nq	99
52) 3-Nitroaniline	9.97	138	152537	37.013	nq	91
53) 2,4-Dinitrophenol	10.08	184	47735	56.673	nq #	18
54) Dibenzofuran	10.23	168	938578	45.069	nq	100
55) 4-Nitrophenol	10.13	139	309954	92.005	nq	93
56) 2,4-Dinitrotoluene	10.21	165	244880	53.895	nq #	89
57) Fluorene	10.57	166	717170	44.379	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.35	232	189519	54.309	nq	93
59) Diethylphthalate	10.43	149	819084	45.236	nq	98
60) 4-Chlorophenyl-phenylether	10.56	204	338877	45.885	nq	98
61) 4-Nitroaniline	10.59	138	180852	44.707	nq	94
62) Azobenzene	10.72	77	725638	39.418	nq	90
64) 4,6-Dinitro-2-methylphenol	10.62	198	56737	42.449	nq	90
65) n-Nitrosodiphenylamine	10.68	169	655601	49.761	nq	100
66) 4-Bromophenyl-phenylether	11.05	248	205164	51.624	nq #	88
67) Hexachlorobenzene	11.12	284	215433	47.495	nq #	90
68) Atrazine	11.20	200	207779	50.981	nq	99
69) Pentachlorophenol	11.32	266	216257	82.929	nq	99
70) Phenanthrene	11.54	178	937653	44.284	nq	99
71) Anthracene	11.59	178	963241	44.791	nq	99
72) Carbazole	11.75	167	896199	42.876	nq	99
73) Di-n-butylphthalate	12.06	149	1170106	46.655	nq	99
74) Fluoranthene	12.73	202	889293	40.768	nq	97
76) Benzidine	12.85	184	470412	42.891	nq	98
77) Pyrene	12.96	202	874441	46.303	nq	99
79) Butylbenzylphthalate	13.57	149	440224	52.614	nq	93
80) Benzo(a)anthracene	14.16	228	738398	45.363	nq	99
81) 3,3'-Dichlorobenzidine	14.12	252	257812	47.350	nq #	96
82) Chrysene	14.20	228	687538	44.310	nq	98
83) Bis(2-ethylhexyl)phthalate	14.12	149	596023	49.864	nq	99
84) Di-n-octyl phthalate	14.75	149	975414	56.092	nq #	94
85) Indeno(1,2,3-cd)pyrene	17.30	276	632194	46.654	nq	97
87) Benzo(b)fluoranthene	15.25	252	687346	47.153	nq	98
88) Benzo(k)fluoranthene	15.29	252	611463	43.637	nq	97
89) Benzo(a)pyrene	15.64	252	611973	46.286	nq	99
90) Dibenzo(a,h)anthracene	17.32	278	535419	46.768	nq	97
91) Benzo(g,h,i)perylene	17.79	276	511165	45.895	nq	95

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



#1

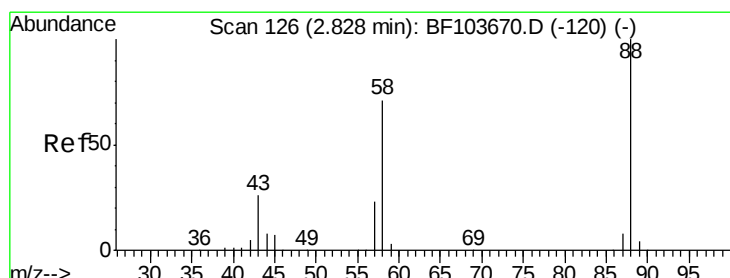
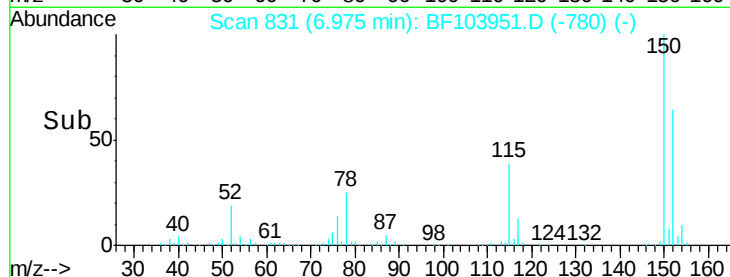
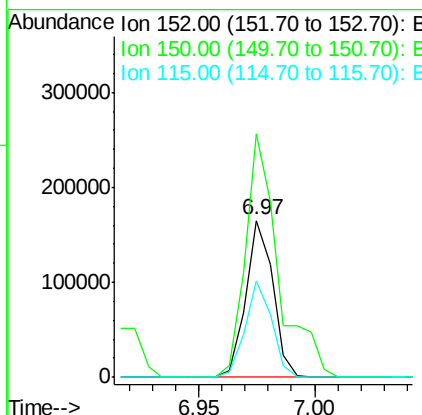
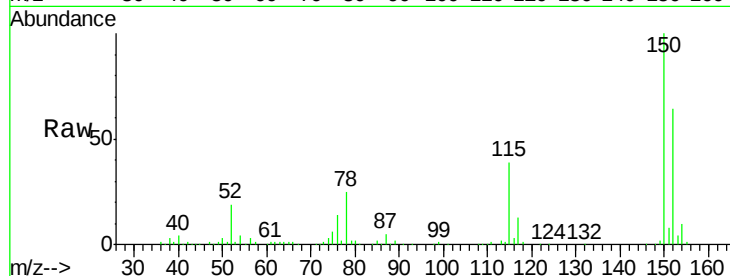
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampleId :
PF-01MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	61.1	50.1	75.1

Manual Integrations
APPROVED

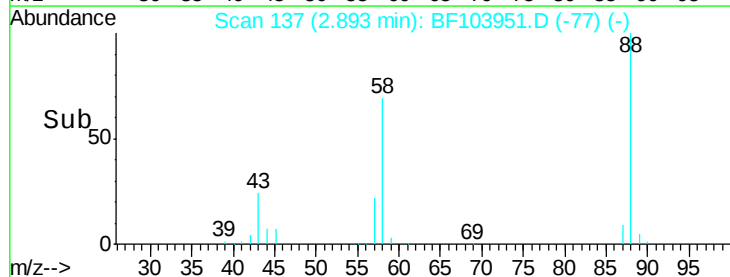
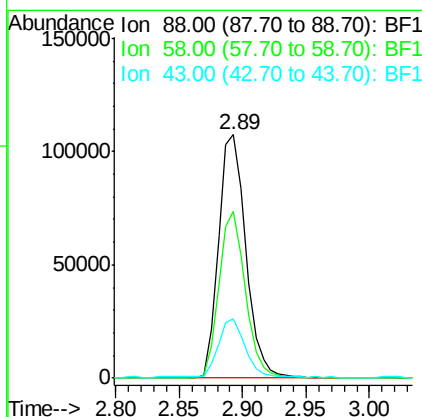
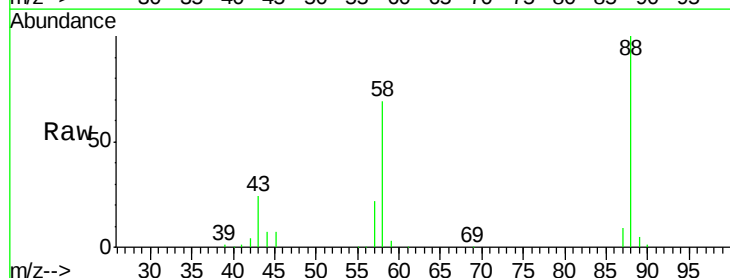
Sohil
3/27/2018 2:16:07 PM

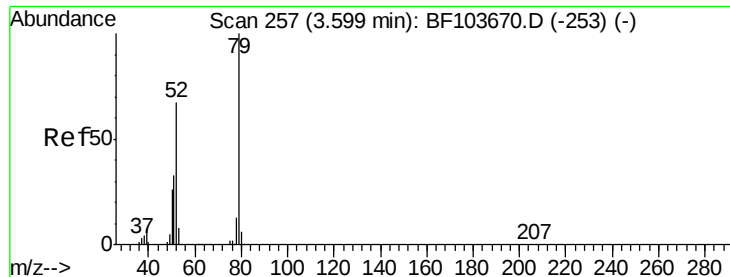


#2

1,4-Dioxane
Concen: 36.671 ng
RT: 2.89 min Scan# 137
Delta R.T. 0.05 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.4	62.6	93.8
43	23.7	24.6	37.0#





#3

Pvridine

Concen: 36.067 ng

RT: 3.66 min Scan# 268

Delta R.T. 0.05 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Instrument :

BNA_F

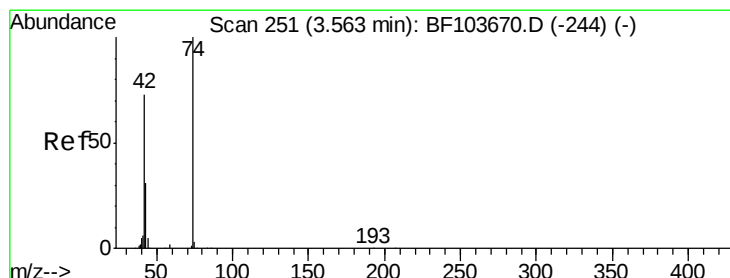
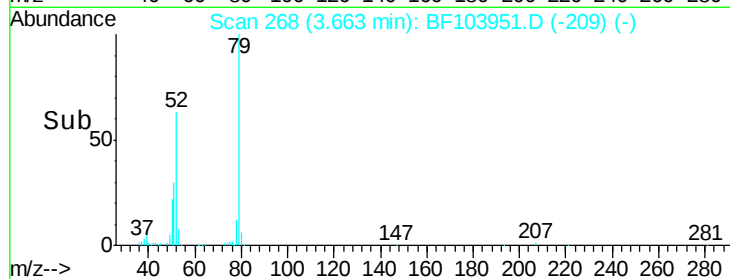
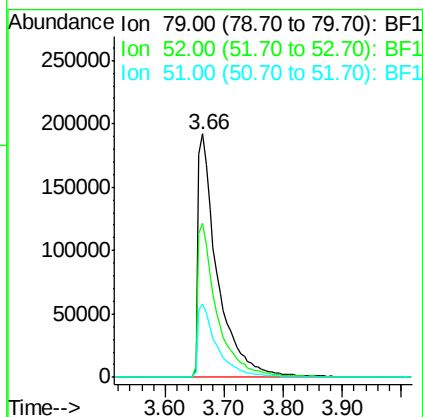
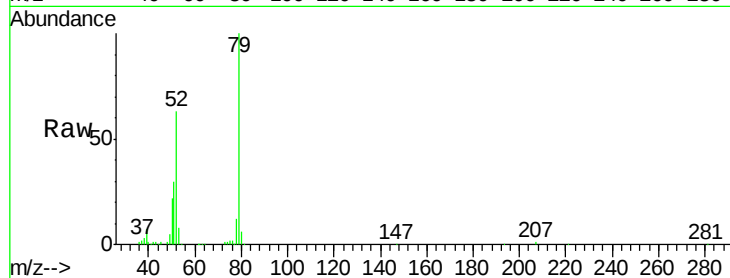
ClientSampled :

PF-01MSD

Tot Ion:	79	Resp:	436567
Ion Ratio	Lower	Upper	
79	100		
52	63.4	59.8	89.6
51	30.3	29.8	44.8

Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



#4

n-Nitrosodimethylamine

Concen: 38.752 ng

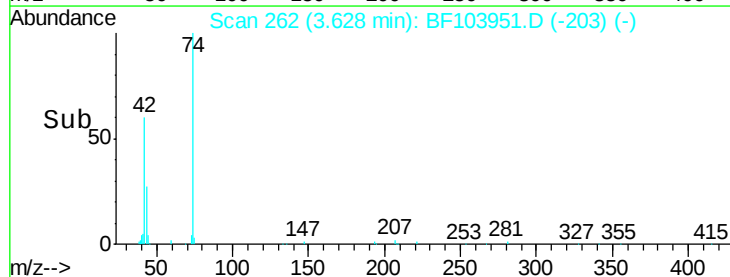
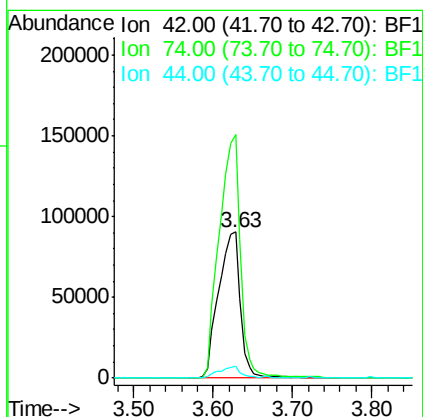
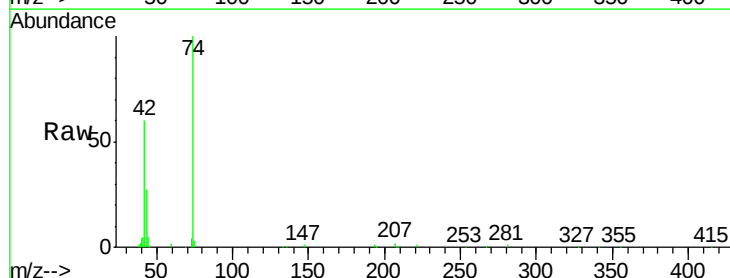
RT: 3.63 min Scan# 262

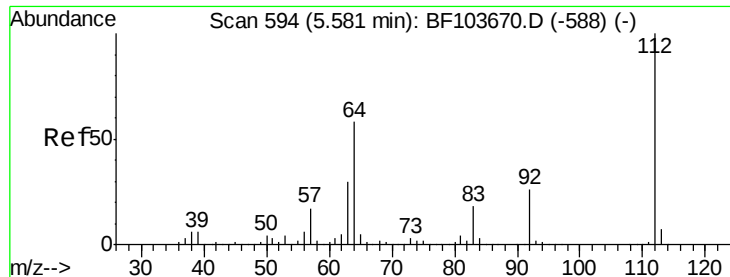
Delta R.T. 0.05 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Tgt Ion:	42	Resp:	172953
Ion Ratio	Lower	Upper	
42	100		
74	166.6	104.9	157.3#
44	7.8	6.9	10.3





#5

2-Fluorophenol

Concen: 122.156 ng

RT: 5.61 min Scan# 599

Delta R.T. 0.02 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Instrument :

BNA_F

ClientSampled :

PF-01MSD

Tot Ion:112 Resp: 1091742

Ion Ratio Lower Upper

112 100

64 55.1 47.9 71.9

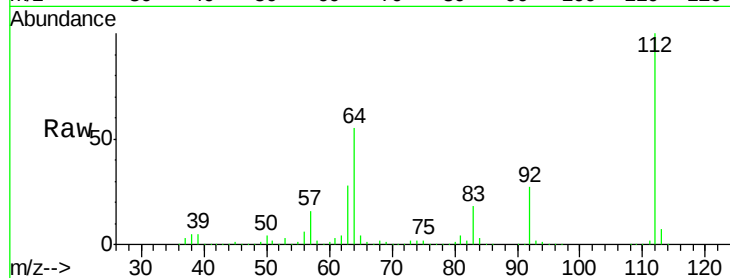
63 27.7 23.7 35.5

Manual Integrations

APPROVED

Sohil

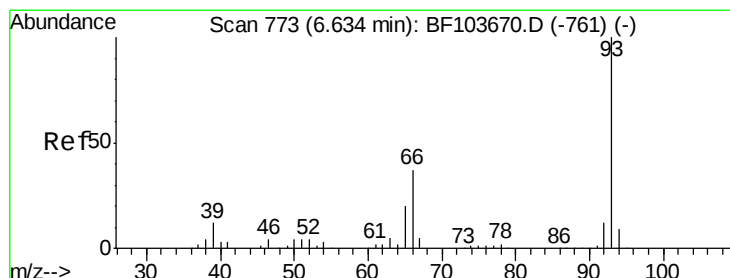
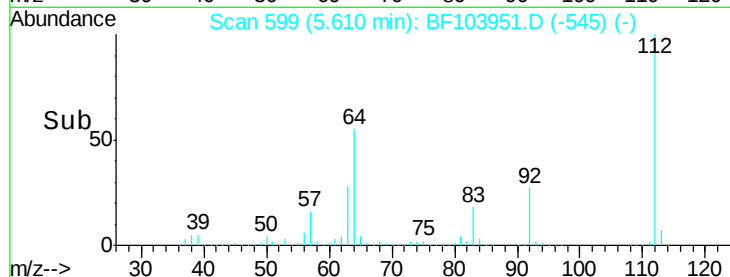
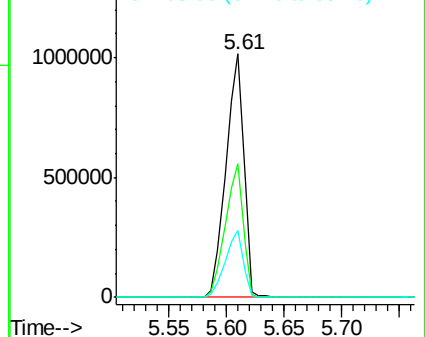
3/27/2018 2:16:07 PM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 26.309 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

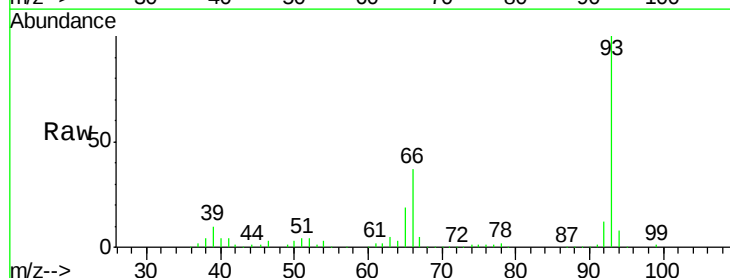
Tgt Ion: 93 Resp: 410769

Ion Ratio Lower Upper

93 100

66 37.0 32.2 48.2

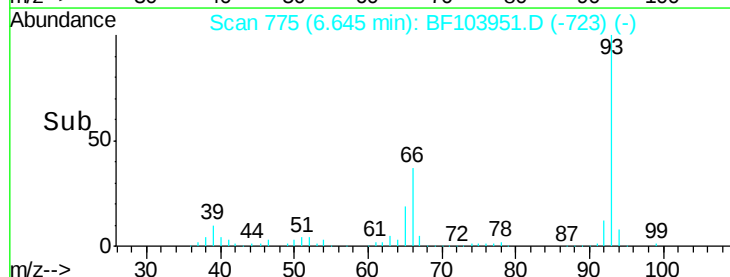
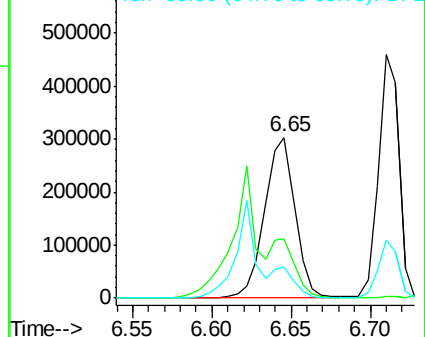
65 19.0 16.4 24.6

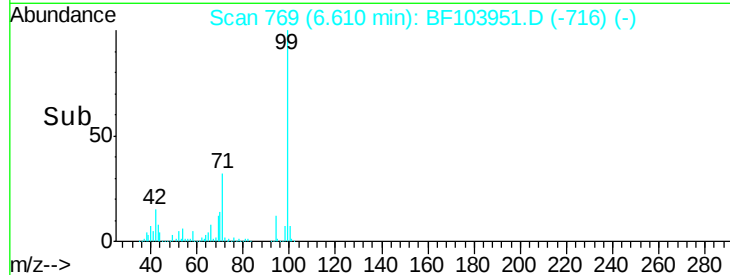
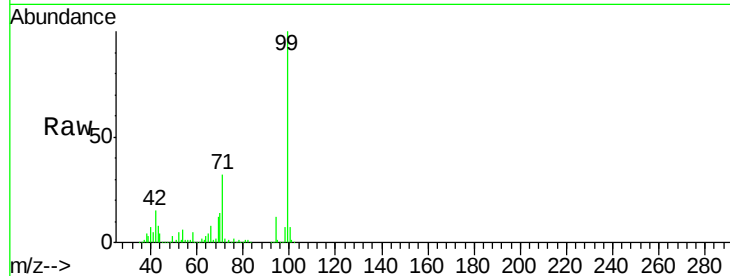


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 125.343 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Tot Ion: 99 Resp: 1370520

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

71 32.0 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

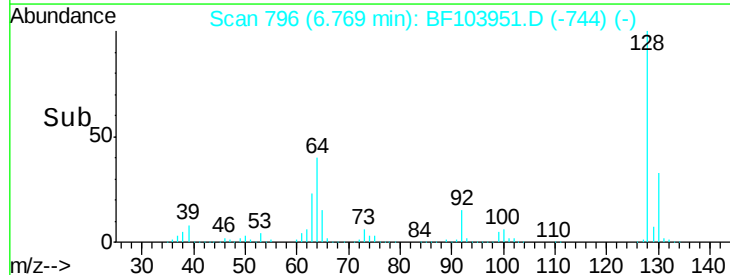
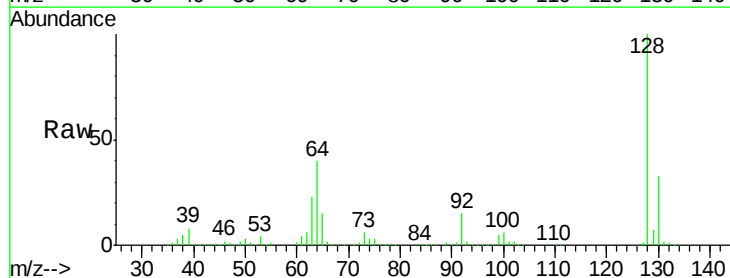
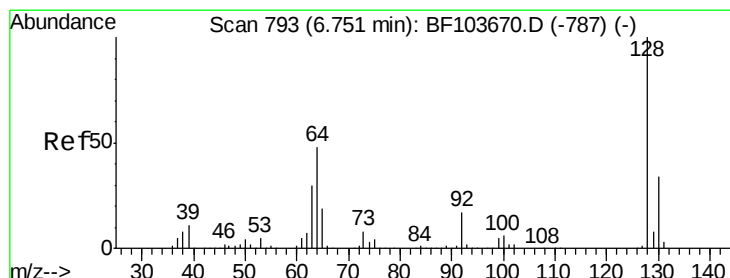
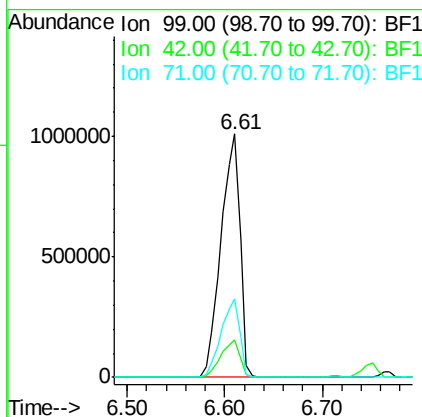
PF-01MSD

Manual Integrations

APPROVED

Sohil

3/27/2018 2:16:07 PM



#8

2-Chlorophenol

Concen: 46.381 ng

RT: 6.77 min Scan# 796

Delta R.T. 0.01 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

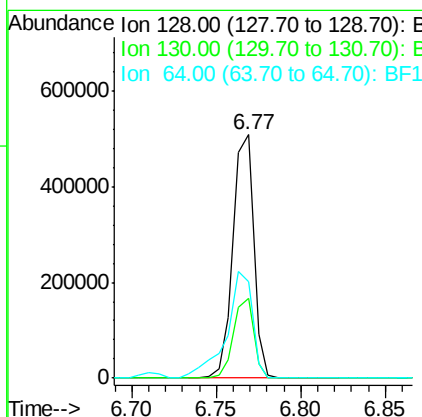
Tgt Ion: 128 Resp: 434239

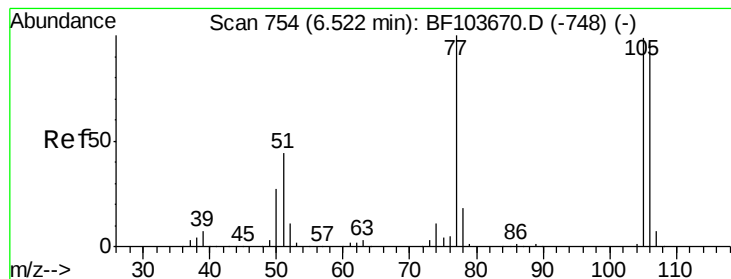
Ion Ratio Lower Upper

128 100

130 32.8 13.0 53.0

64 39.6 29.4 69.4





#9

Benzaldehyde

Concen: 14.002 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.00 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Instrument :

BNA_F

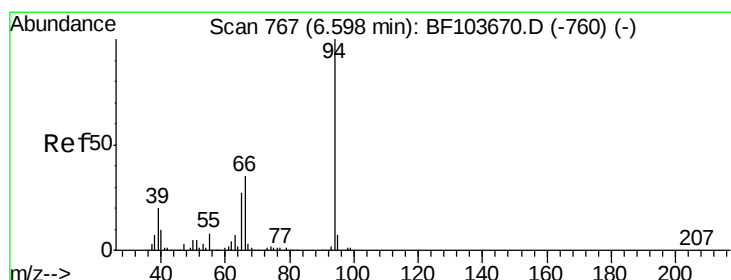
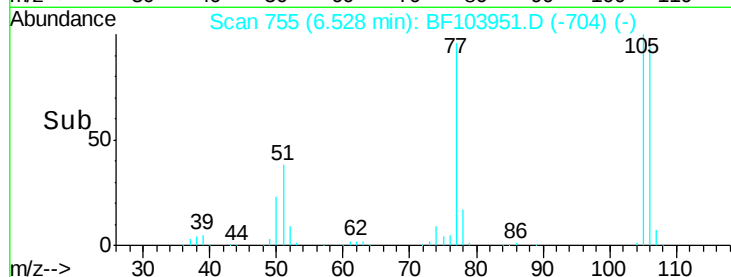
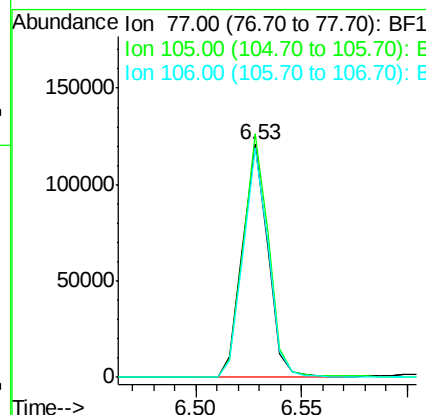
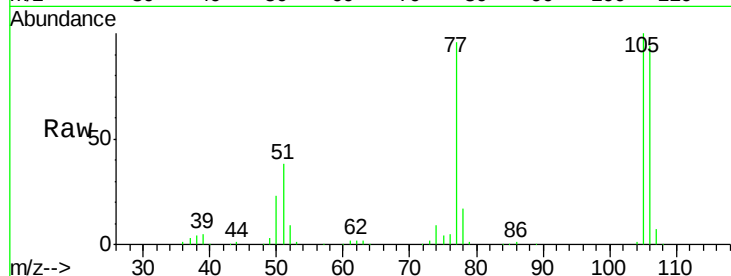
ClientSampleId :

PF-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	104.4	81.1	121.1		
106	98.2	74.5	114.5		

Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



#10

Phenol

Concen: 47.619 ng

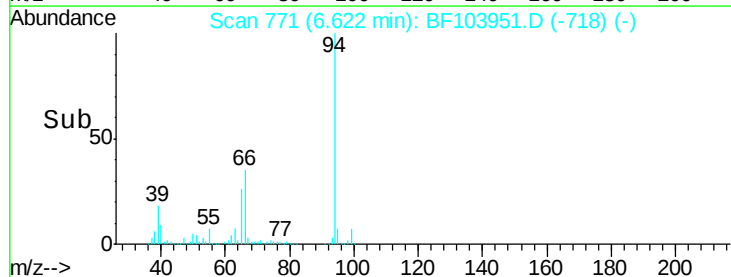
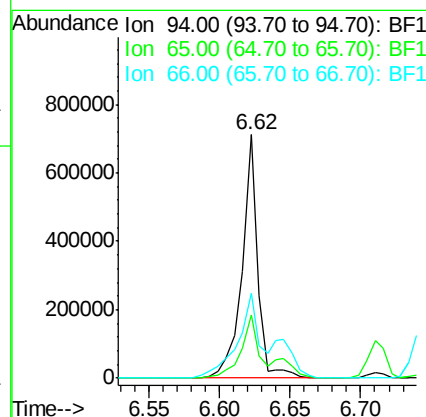
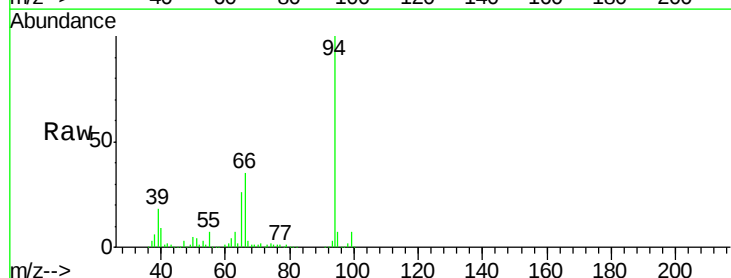
RT: 6.62 min Scan# 771

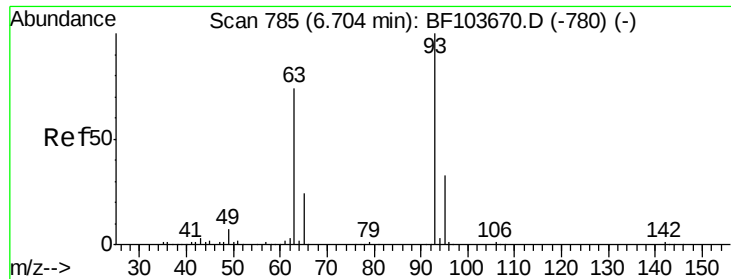
Delta R.T. 0.01 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	26.0	7.9	47.9		
66	34.9	16.2	56.2		





#11

bis(2-Chloroethyl)ether

Concen: 42.793 ng

RT: 6.71 min Scan# 786

Delta R.T. 0.00 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Instrument :

BNA_F

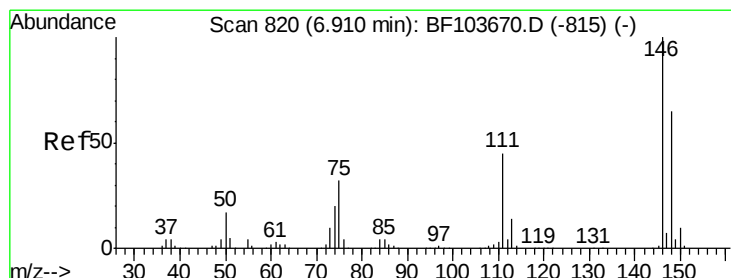
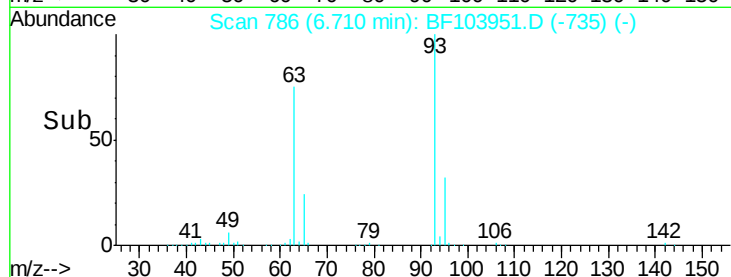
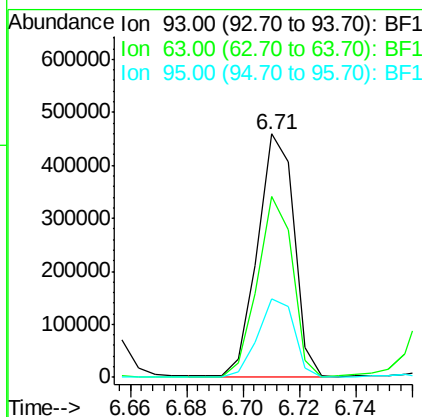
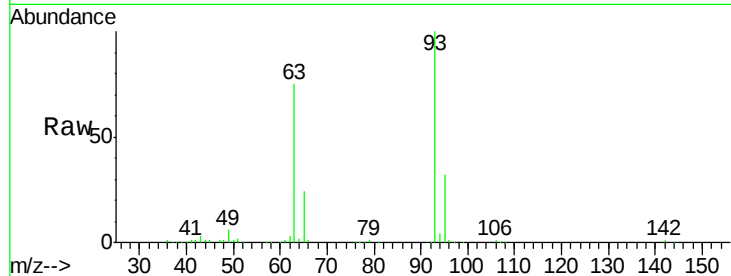
ClientSampleId :

PF-01MSD

Tot Ion:	93	Resp:	410454
Ion	Ratio	Lower	Upper
93	100		
63	74.5	58.6	98.6
95	32.5	11.8	51.8

Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



#12

1,3-Dichlorobenzene

Concen: 42.152 ng

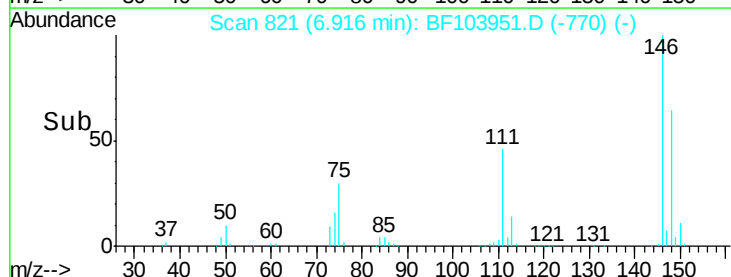
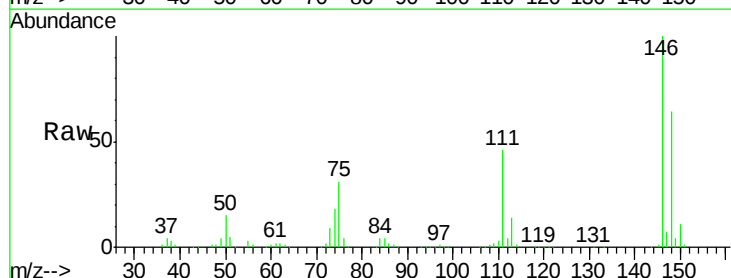
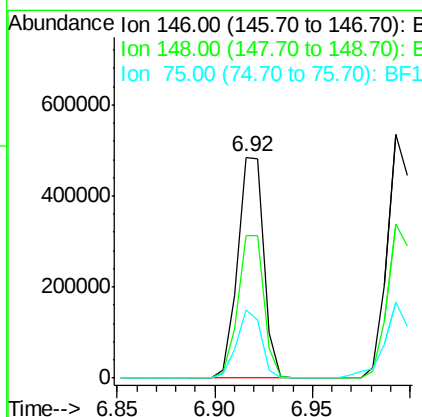
RT: 6.92 min Scan# 821

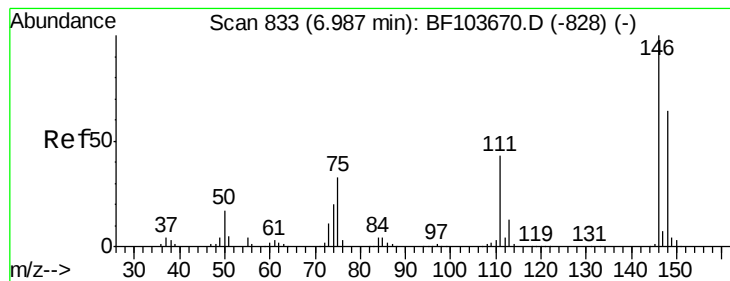
Delta R.T. 0.00 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Tgt Ion:	146	Resp:	449472
Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.8
75	30.8	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 42.358 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Instrument :

BNA_F

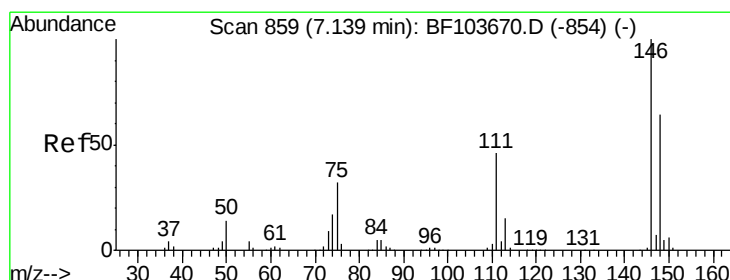
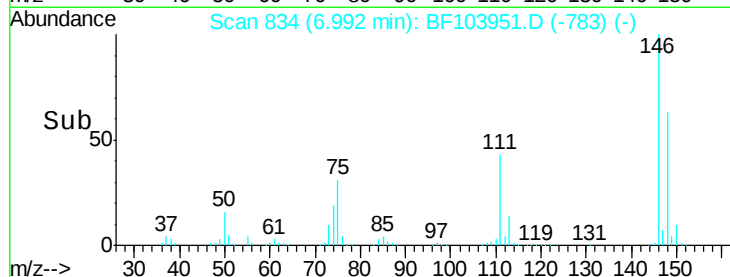
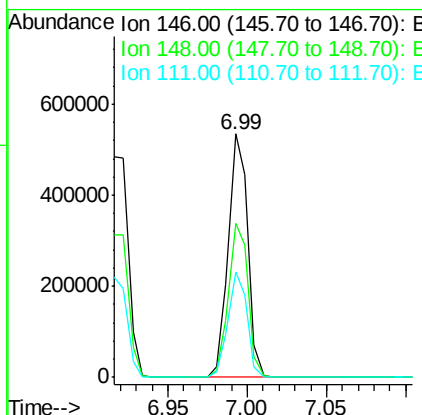
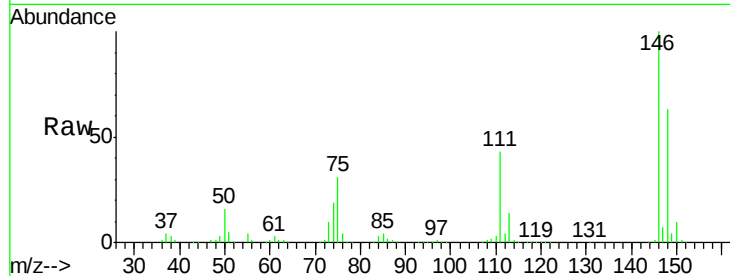
ClientSampled :

PF-01MSD

Tot Ion:	146	Resp:	453867
Ion Ratio	Lower	Upper	
146	100		
148	63.1	50.8	76.2
111	43.1	34.2	51.2

Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



#14

1,2-Dichlorobenzene

Concen: 42.470 ng

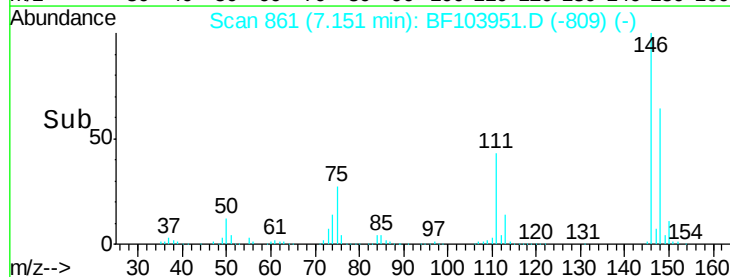
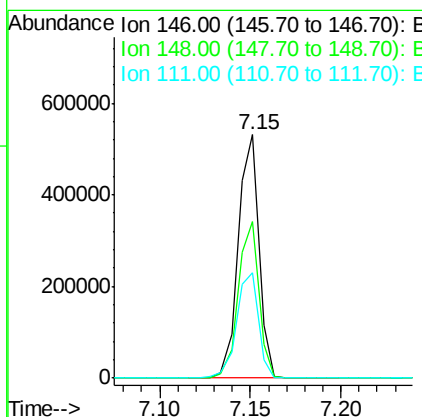
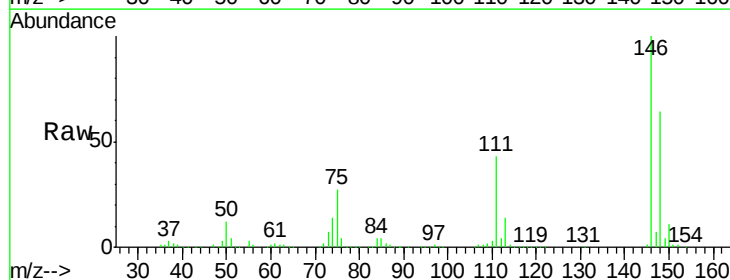
RT: 7.15 min Scan# 861

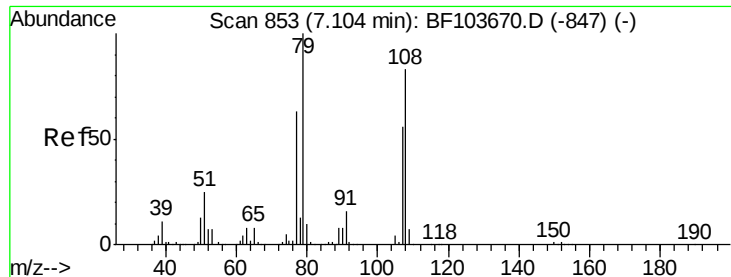
Delta R.T. 0.01 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Tgt Ion:	146	Resp:	422278
Ion Ratio	Lower	Upper	
146	100		
148	64.3	50.6	75.8
111	43.1	36.0	54.0





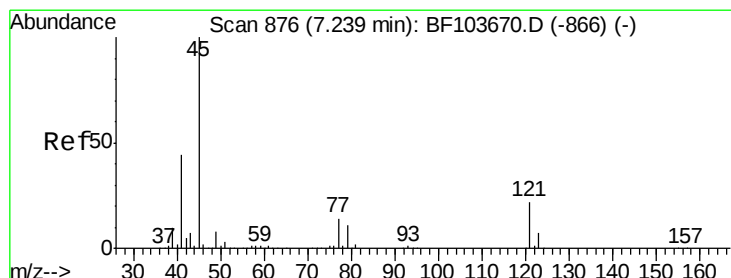
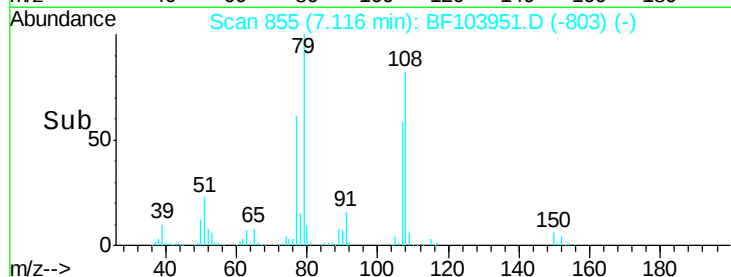
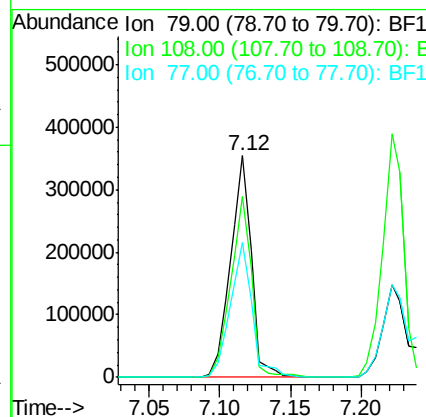
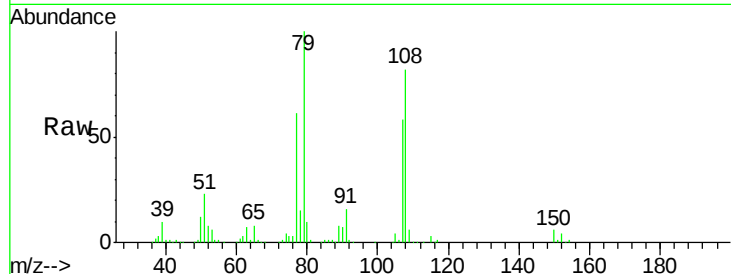
#15
Benzyl Alcohol
Concen: 42.962 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampled :
PF-01MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	81.8	65.1	97.7
77	60.7	50.6	75.8

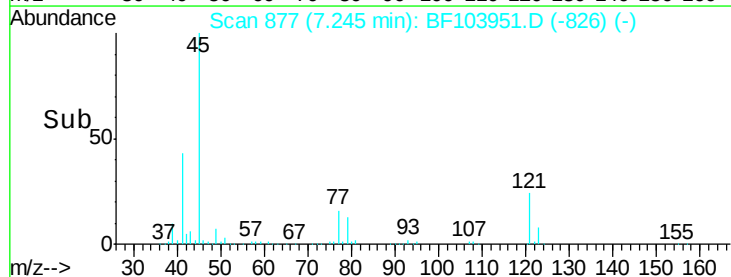
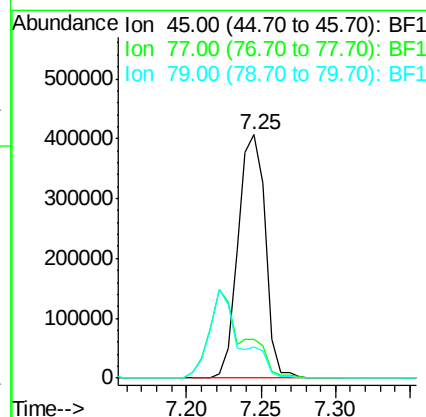
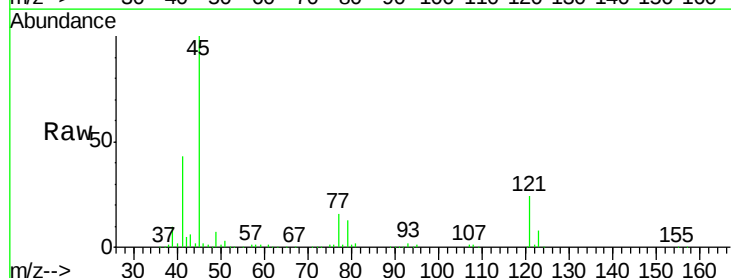
Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



#16
2,2'-oxybis(1-chloropropane)
Concen: 37.996 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.7	0.0	32.9
79	12.8	0.0	29.6





#17

2-Methylphenol

Concen: 42.886 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.01 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Instrument :

BNA_F

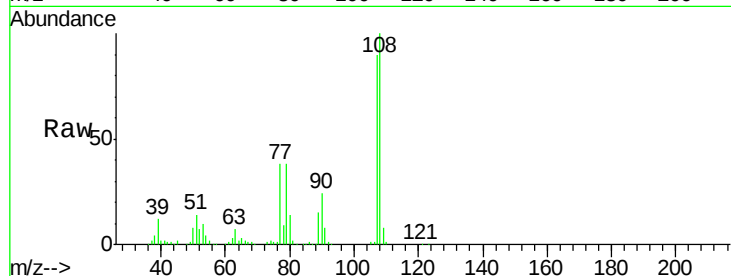
ClientSampleId :

PF-01MSD

Tot Ion:	107	Resp:	357556
Ion Ratio	Lower	Upper	
107	100		
108	111.4	91.7	137.5
77	42.2	33.8	50.8
79	42.1	33.8	50.8

Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM

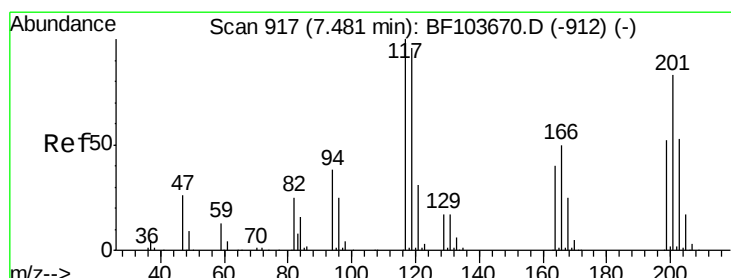
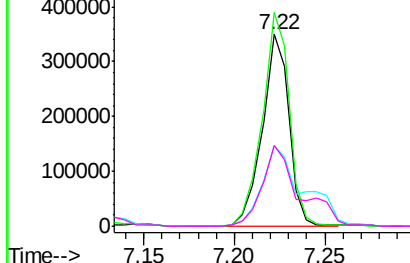
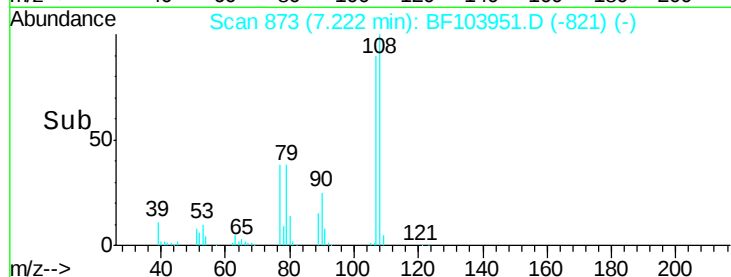


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 37.810 ng

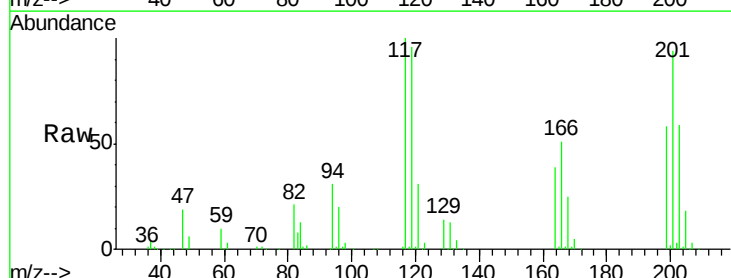
RT: 7.49 min Scan# 918

Delta R.T. 0.00 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

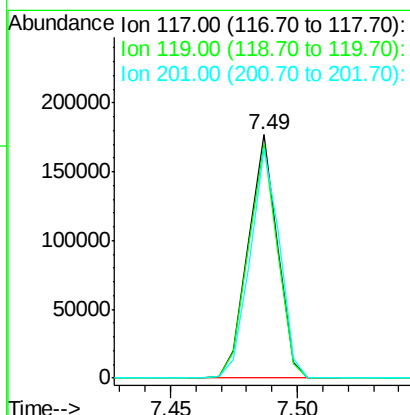
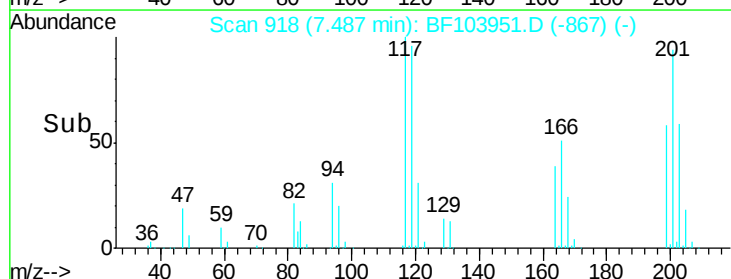
Tgt Ion:	117	Resp:	142509
Ion Ratio	Lower	Upper	
117	100		
119	96.3	75.8	113.8
201	94.4	75.7	113.5

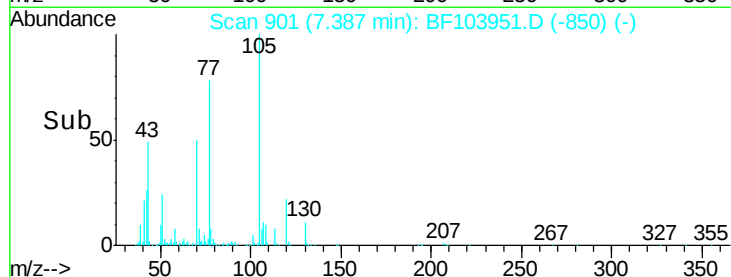
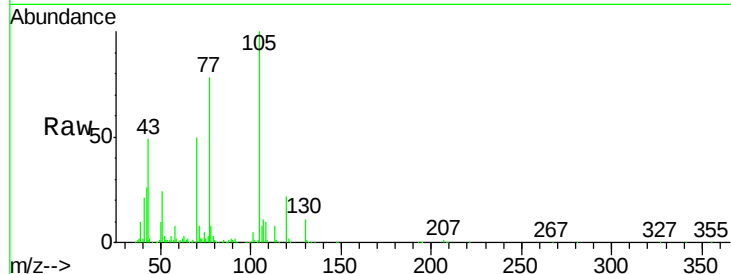
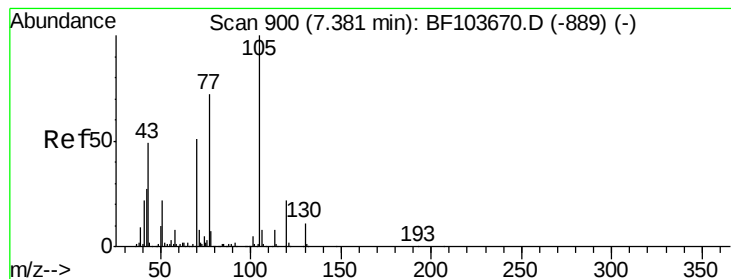


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 39.489 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Instrument :

BNA_F

ClientSampleId :

PF-01MSD

Tot Ion: 70 Resp: 276712

Ion Ratio Lower Upper

70 100

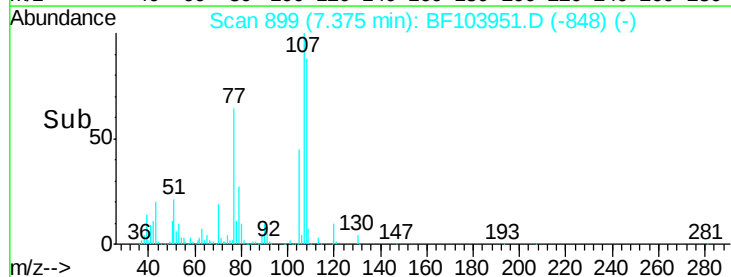
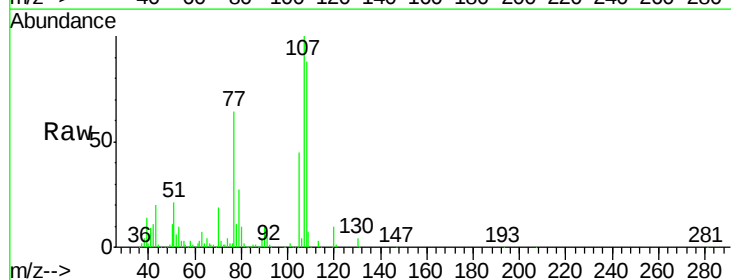
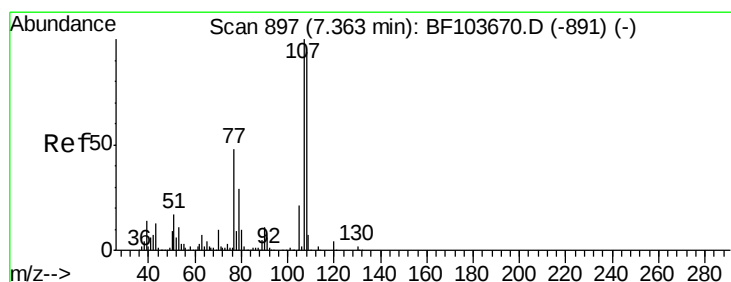
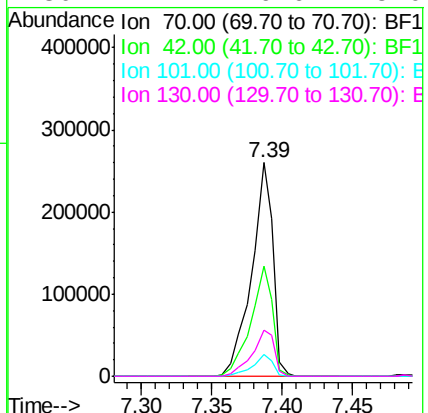
42 51.5 47.5 71.3

101 10.1 7.4 11.2

130 21.7 16.6 25.0

Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



#20

3+4-Methylphenols

Concen: 40.563 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Tgt Ion: 107 Resp: 429189

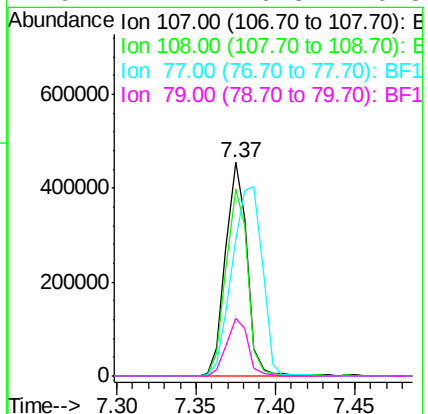
Ion Ratio Lower Upper

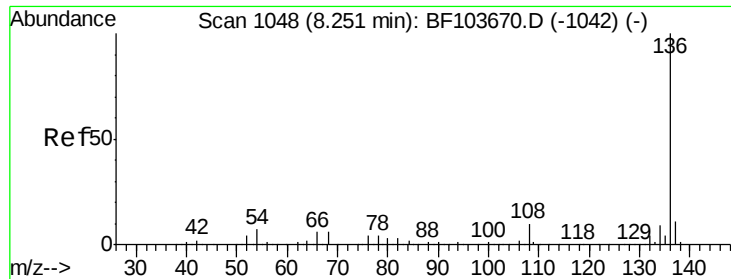
107 100

108 87.6 68.2 108.2

77 64.2 26.7 66.7

79 27.1 6.3 46.3





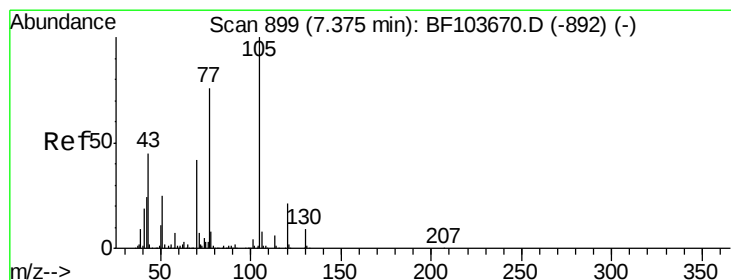
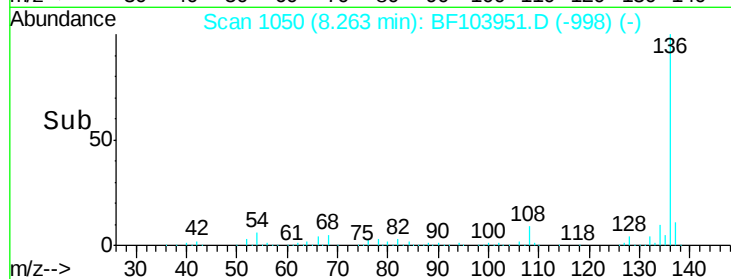
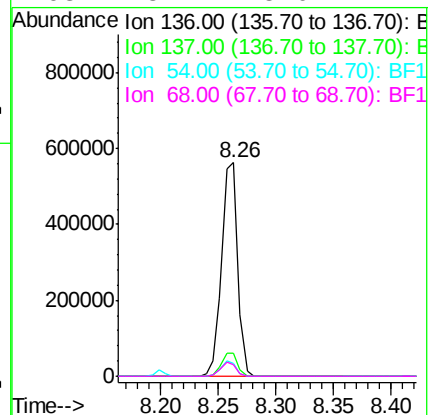
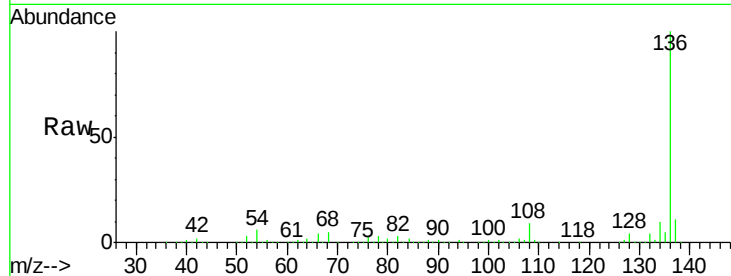
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1050
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampleId :
PF-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	545773		
137	10.7	8.9	13.3	
54	5.9	6.6	9.8	
68	5.2	5.0	7.4	

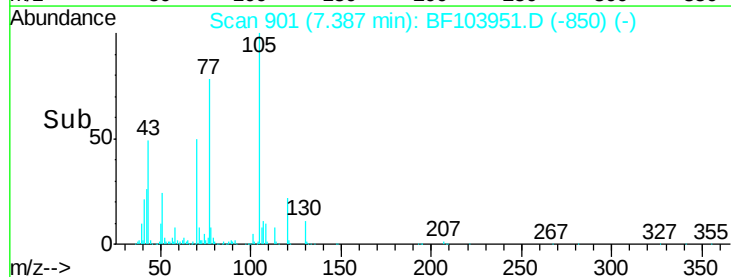
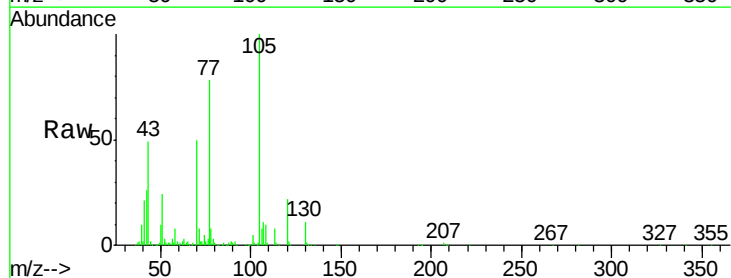
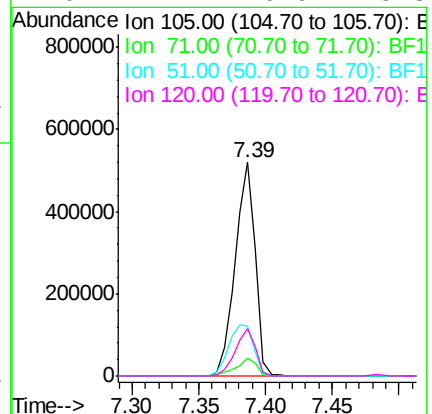
Manual Integrations
APPROVED

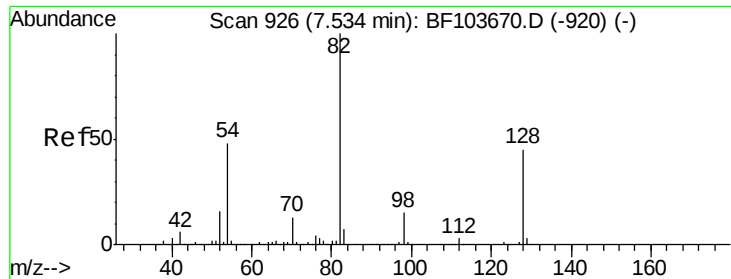
Sohil
3/27/2018 2:16:07 PM



#22
Acetophenone
Concen: 39.255 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	550623		
71	8.3	4.4	6.6	
51	23.5	22.3	33.5	
120	22.4	16.9	25.3	





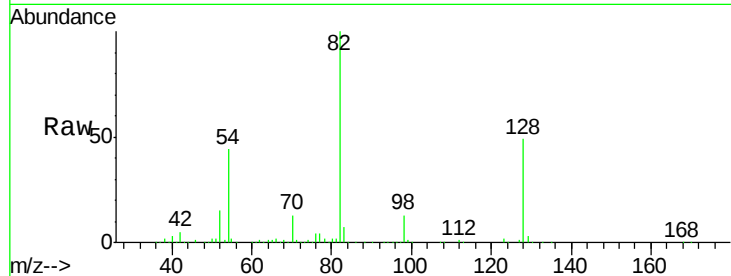
#23
Nitrobenzene-d5
Concen: 106.212 ng
RT: 7.55 min Scan# 928
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampled :
PF-01MSD

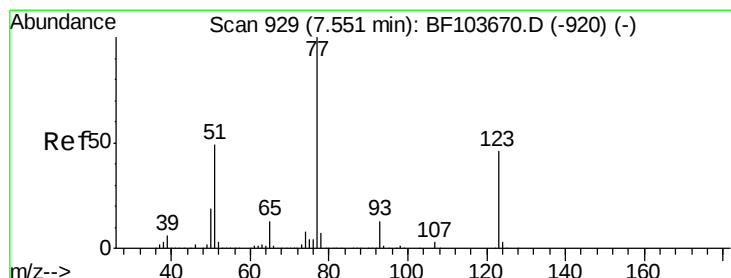
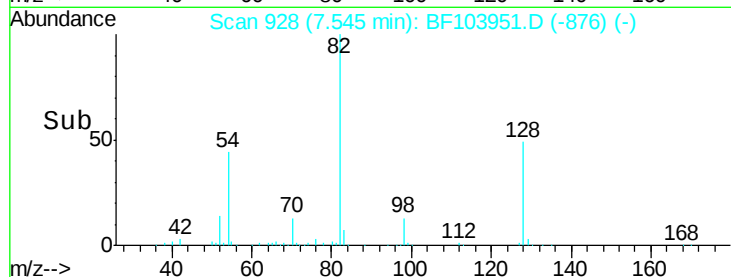
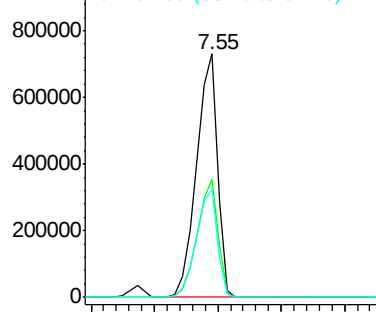
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	36.1	54.1
54	44.2	41.4	62.2

Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



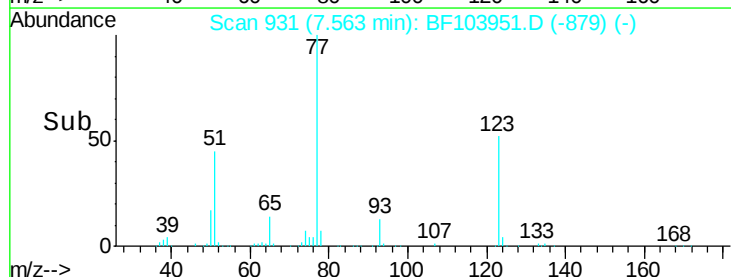
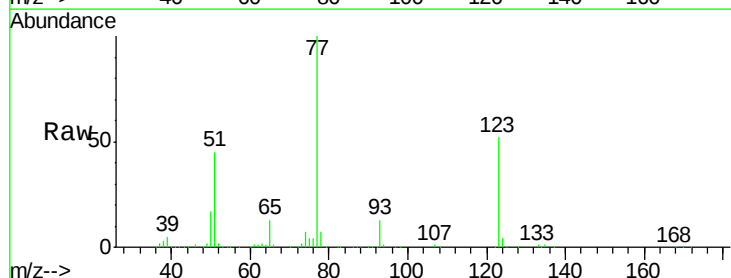
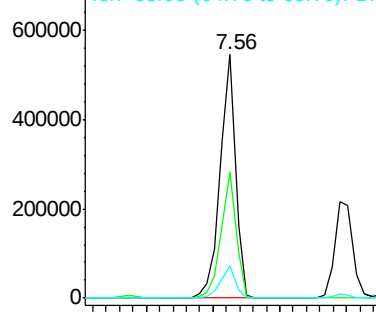
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

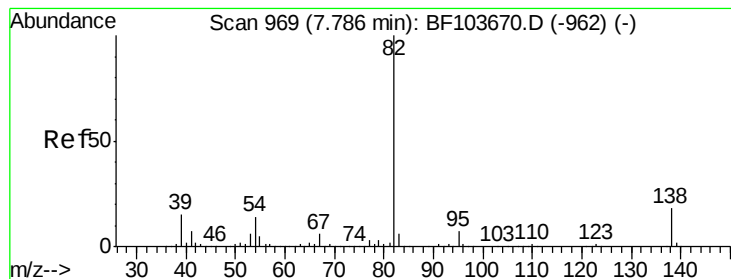


#24
Nitrobenzene
Concen: 47.133 ng
RT: 7.56 min Scan# 931
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.8	37.9	56.9
65	13.3	11.0	16.4

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





#25

Isophorone

Concen: 44.185 ng

RT: 7.80 min Scan# 971

Delta R.T. 0.01 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Instrument :

BNA_F

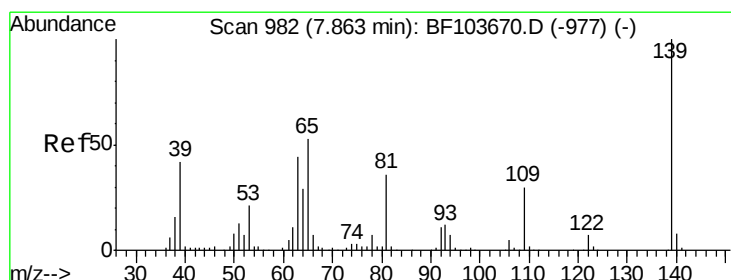
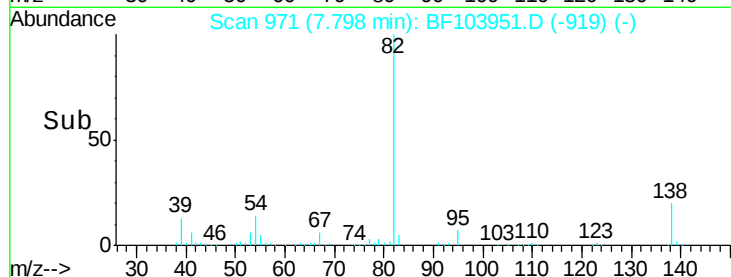
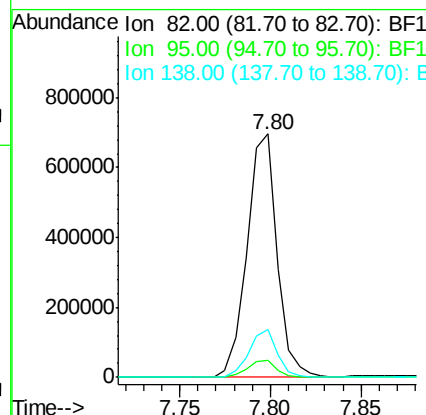
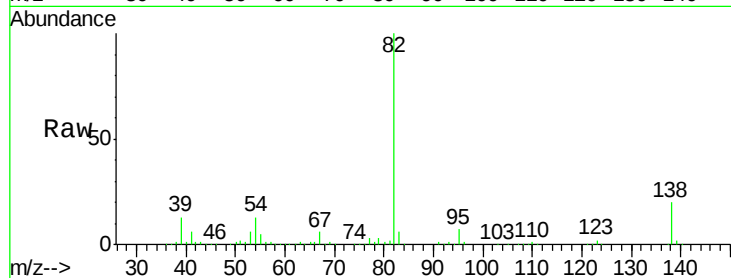
ClientSampleId :

PF-01MSD

Tot Ion:	82	Resp:	800509
Ion Ratio	Lower	Upper	
82	100		
95	7.0	5.2	7.8
138	19.6	14.9	22.3

Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



#26

2-Nitrophenol

Concen: 62.029 ng

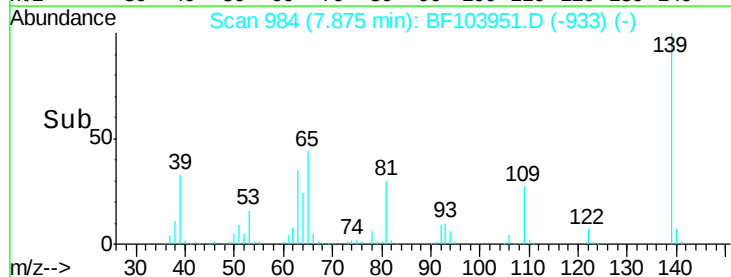
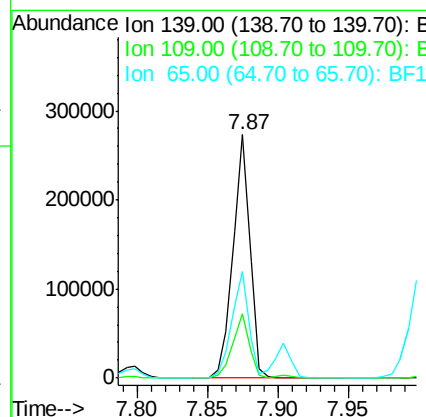
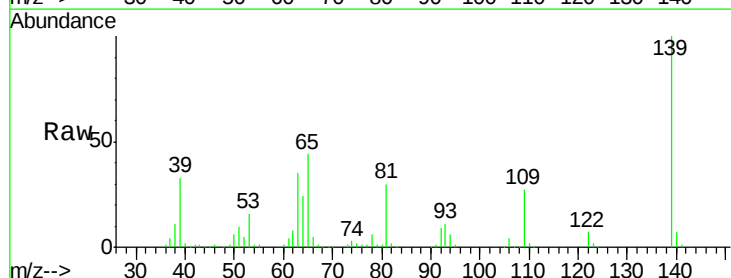
RT: 7.87 min Scan# 984

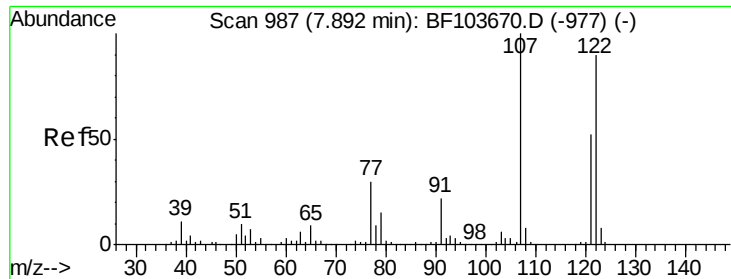
Delta R.T. 0.00 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Tgt Ion:	139	Resp:	228854
Ion Ratio	Lower	Upper	
139	100		
109	26.6	22.7	34.1
65	44.0	40.5	60.7





#27

2,4-Dimethylphenol

Concen: 49.311 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Instrument :

BNA_F

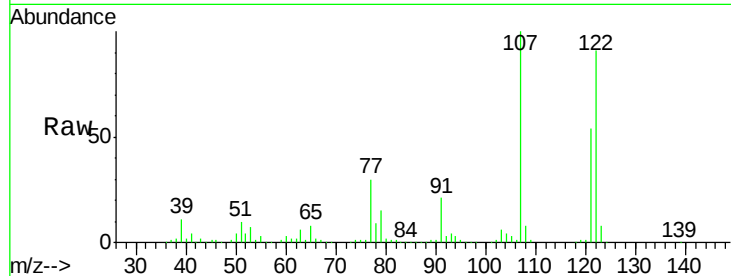
ClientSampleId :

PF-01MSD

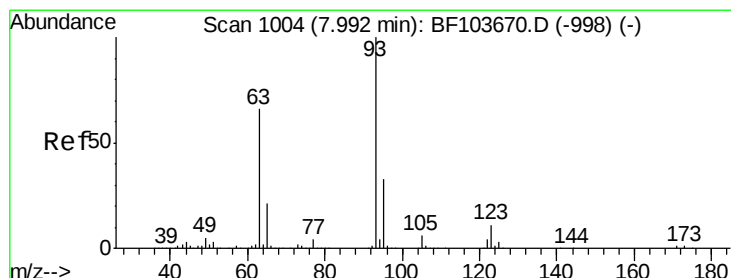
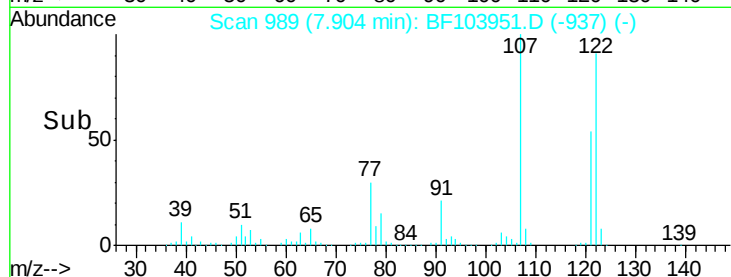
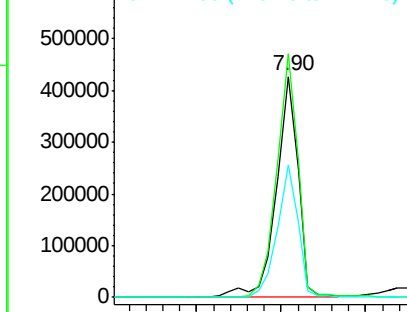
Tot Ion:	122	Resp:	382724
Ion Ratio	Lower	Upper	
122	100		
107	110.2	91.2	136.8
121	59.8	47.2	70.8

Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 47.650 ng

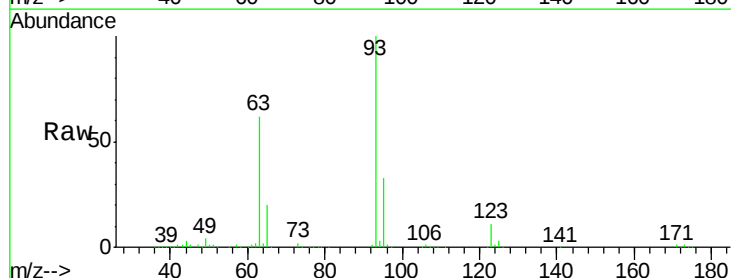
RT: 8.00 min Scan# 1005

Delta R.T. 0.00 min

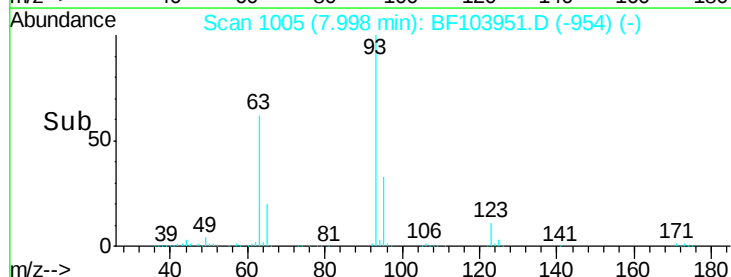
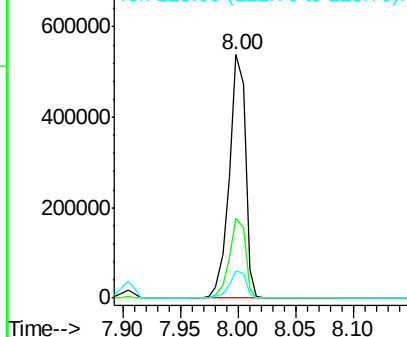
Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Tgt Ion:	93	Resp:	522757
Ion Ratio	Lower	Upper	
93	100		
95	32.7	26.3	39.5
123	11.1	9.8	14.6



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 50.318 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Instrument :

BNA_F

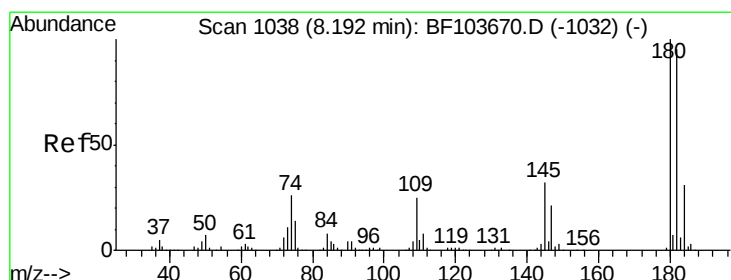
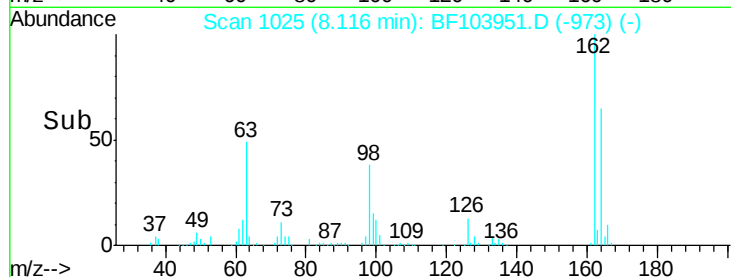
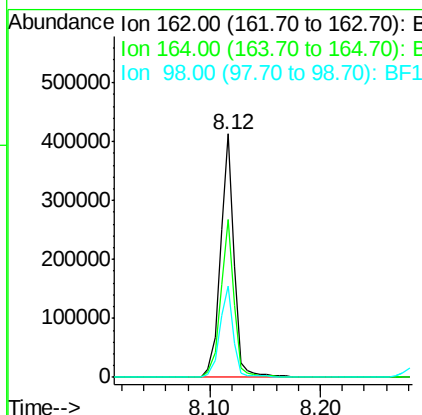
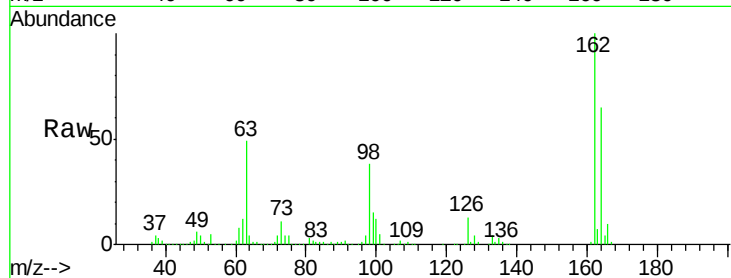
ClientSampled :

PF-01MSD

Tot Ion:	162	Resp:	355311
Ion Ratio	Lower	Upper	
162	100		
164	64.8	42.7	82.7
98	37.6	18.1	58.1

Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



#30

1,2,4-Trichlorobenzene

Concen: 43.979 ng

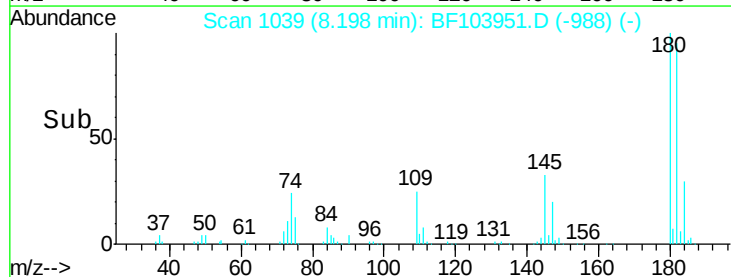
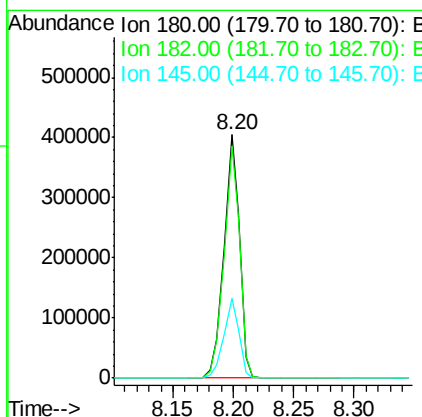
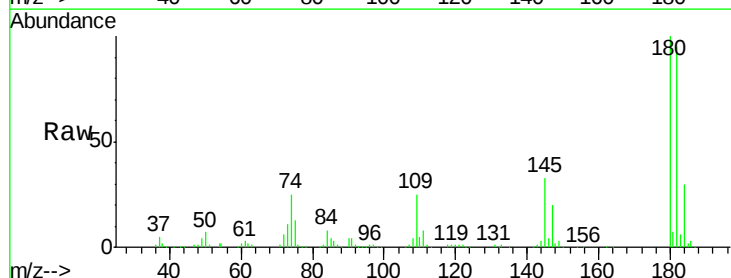
RT: 8.20 min Scan# 1039

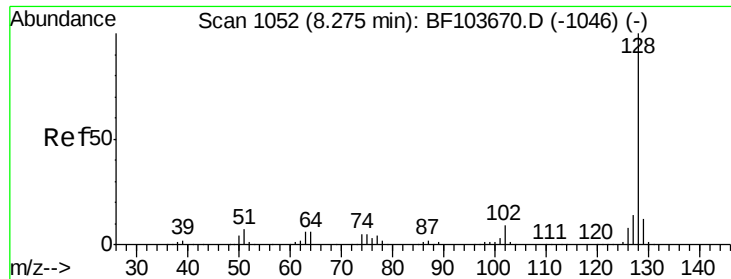
Delta R.T. 0.00 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Tgt Ion:	180	Resp:	360185
Ion Ratio	Lower	Upper	
180	100		
182	95.5	76.8	115.2
145	32.7	26.5	39.7





#31

Naphthalene

Concen: 43.024 ng

RT: 8.28 min Scan# 1053

Delta R.T. 0.00 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Instrument :

BNA_F

ClientSampleId :

PF-01MSD

Tot Ion:128 Resp: 1186159

Ion Ratio Lower Upper

128 100

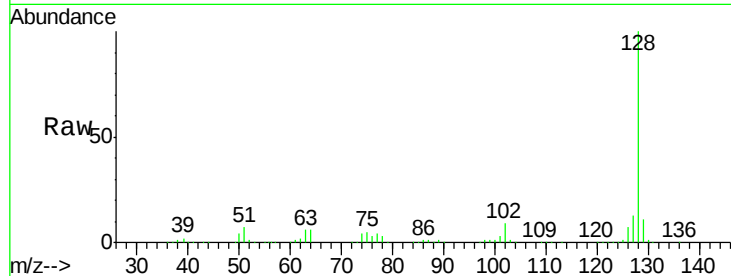
129 11.5 8.8 13.2

127 13.4 10.9 16.3

Manual Integrations
APPROVED

Sohil

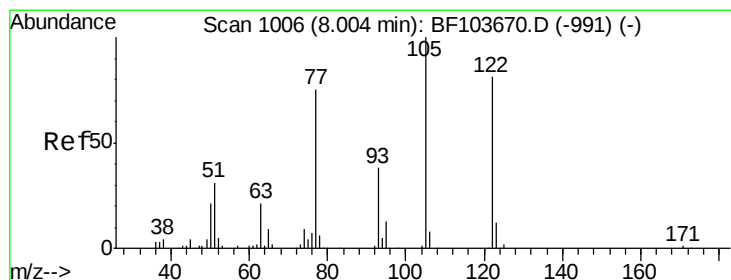
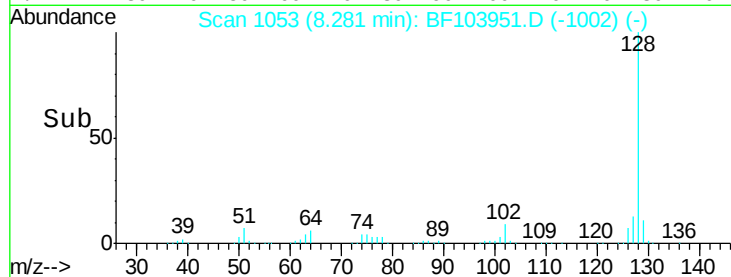
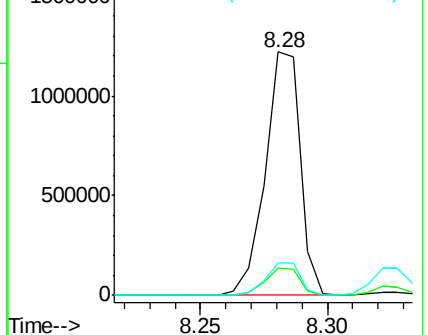
3/27/2018 2:16:07 PM



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: 13.410 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.05 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

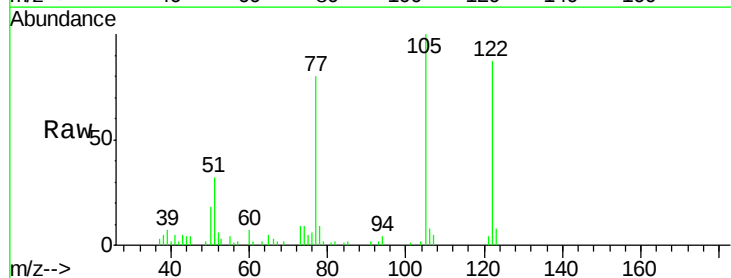
Tgt Ion:122 Resp: 24187

Ion Ratio Lower Upper

122 100

105 114.8 101.1 141.1

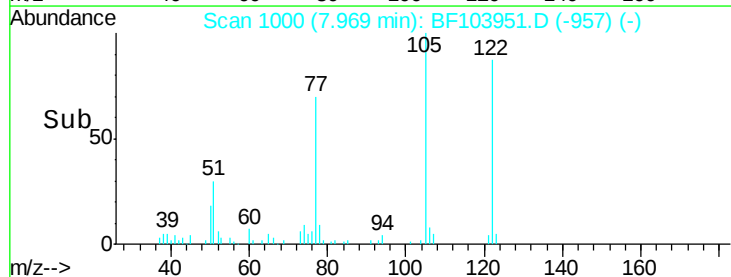
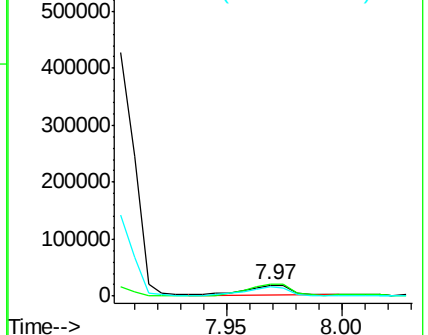
77 91.4 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





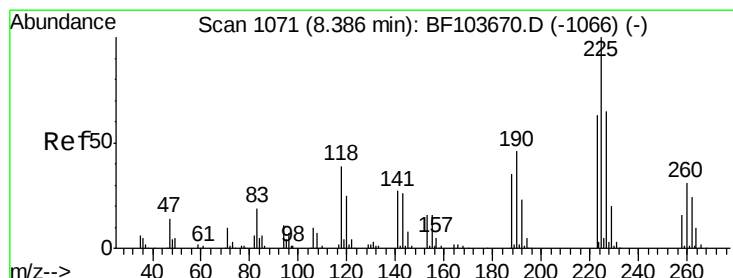
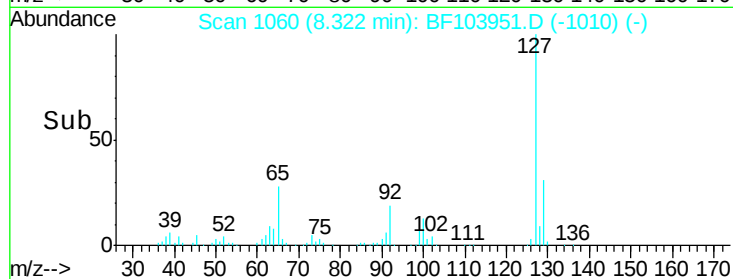
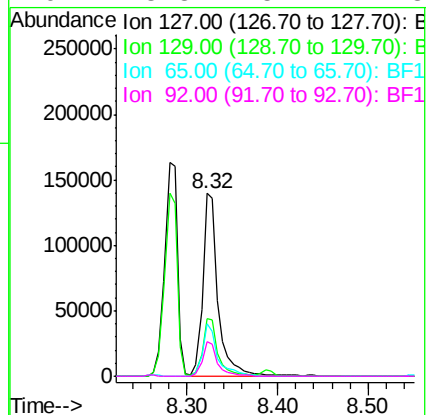
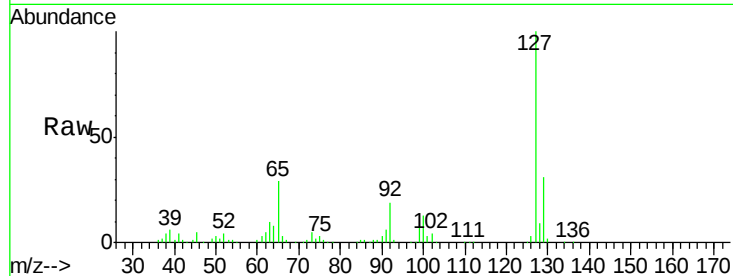
#33
4-Chloroaniline
Concen: 14.381 ng
RT: 8.32 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampleID :
PF-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.4	25.9	38.9		
65	28.7	25.0	37.4		
92	18.8	15.2	22.8		

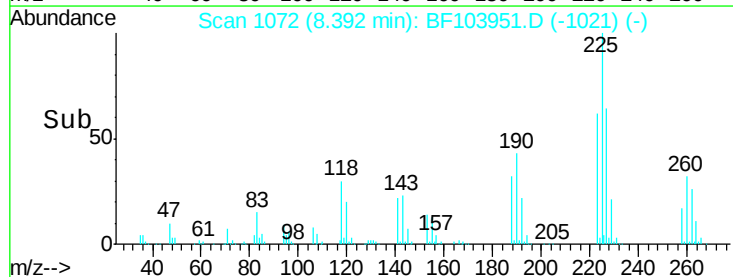
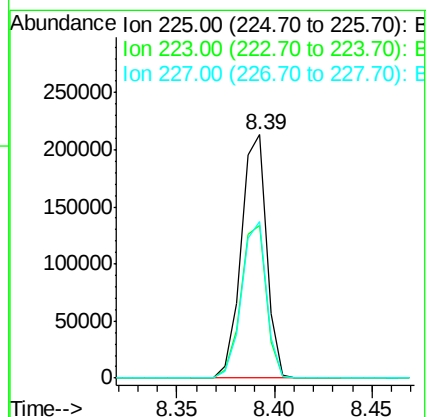
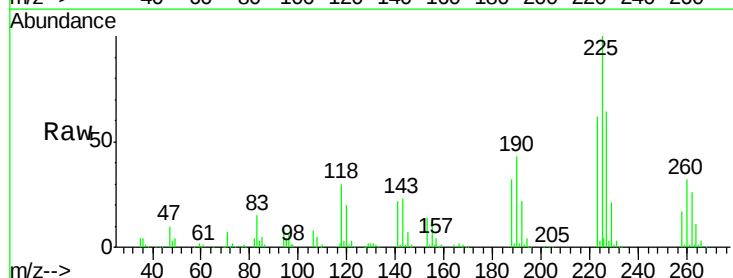
Manual Integrations
APPROVED

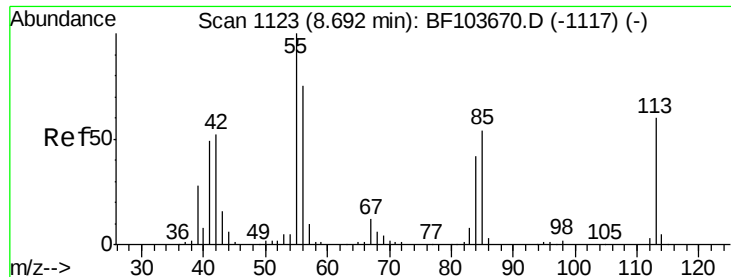
Sohil
3/27/2018 2:16:07 PM



#34
Hexachlorobutadiene
Concen: 42.993 ng
RT: 8.39 min Scan# 1072
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.5	50.6	76.0		
227	64.4	51.9	77.9		





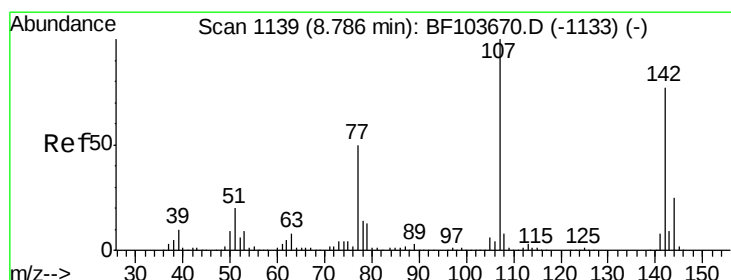
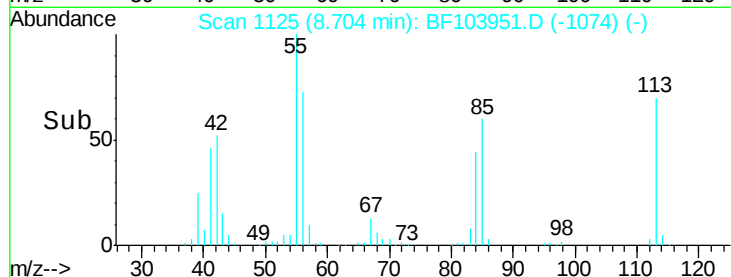
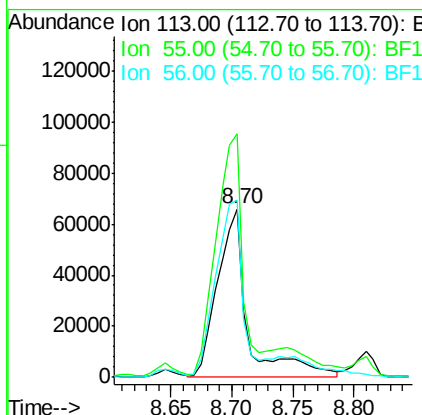
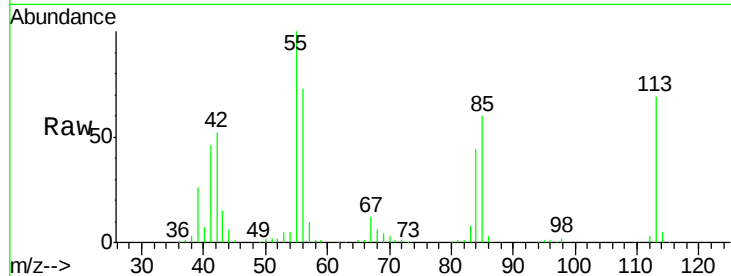
#35
 Caprolactam
 Concen: 47.292 ng/ml
 RT: 8.70 min Scan# 1125
 Delta R.T. 0.00 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Instrument :
 BNA_F
 ClientSampleID :
 PF-01MSD

Tot Ion	Ion	Ratio	Lower	Upper
113	100			
55	144.5	163.3	203.3	
56	105.0	115.7	155.7	

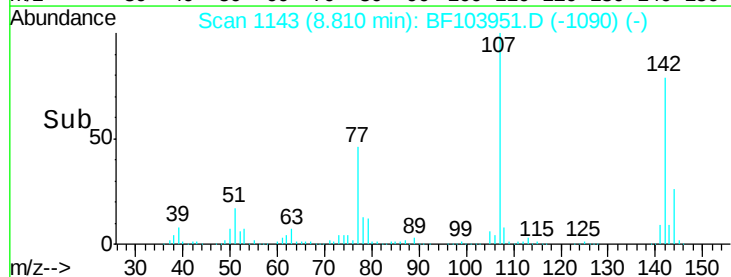
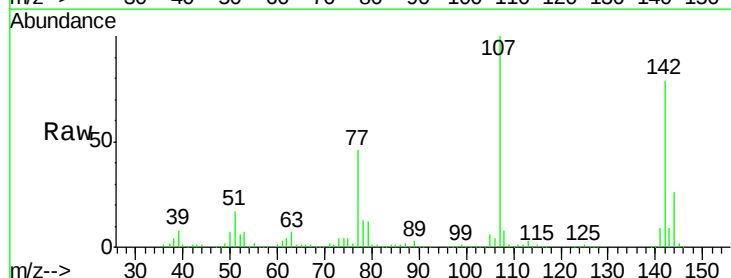
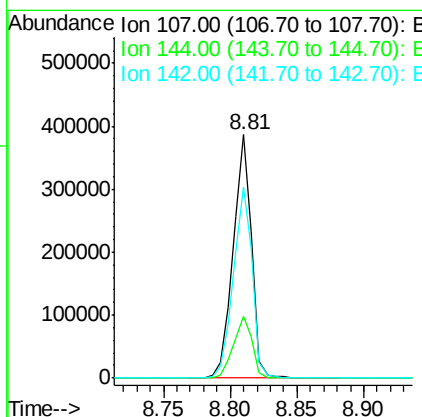
Manual Integrations
 APPROVED

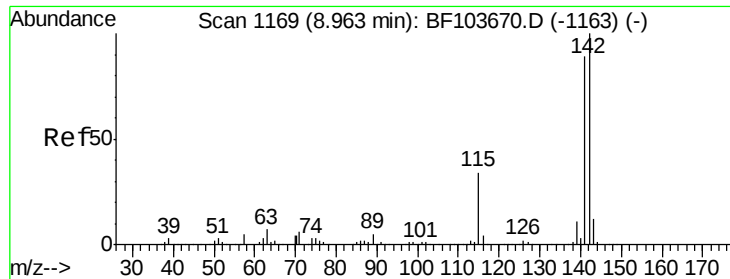
Sohil
 3/27/2018 2:16:07 PM



#36
 4-Chloro-3-methylphenol
 Concen: 48.127 ng/ml
 RT: 8.81 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
144	25.6	20.5	30.7	
142	78.6	62.0	93.0	





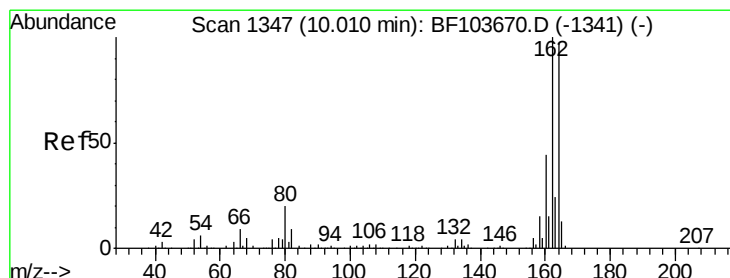
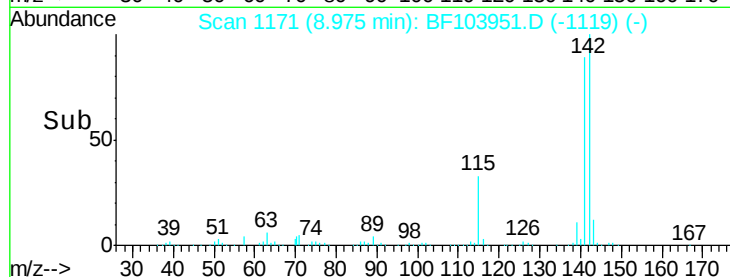
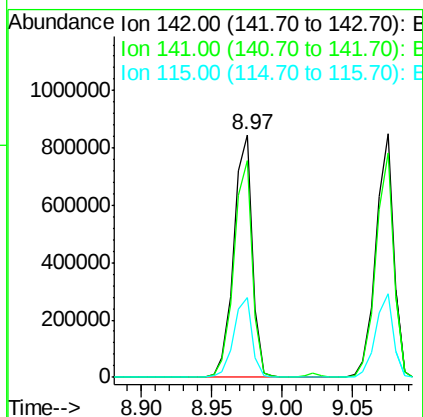
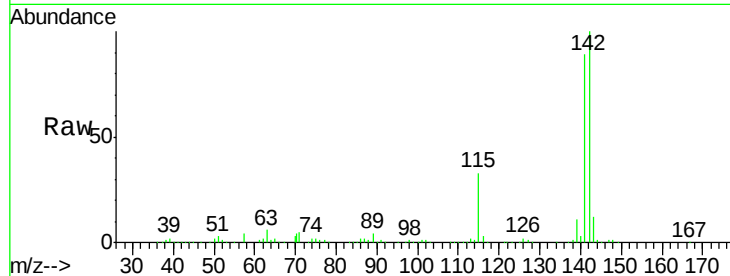
#37
2-Methylnaphthalene
Concen: 44.401 ng
RT: 8.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampled :
PF-01MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.8	106.2
115	32.9	26.1	39.1

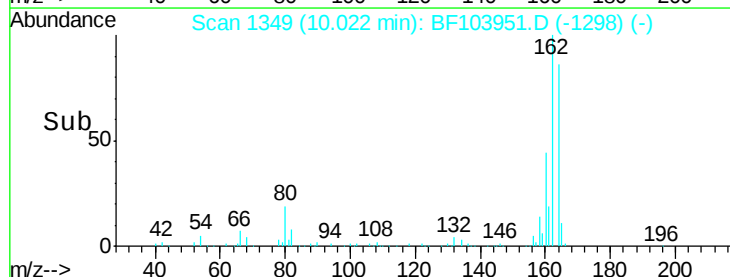
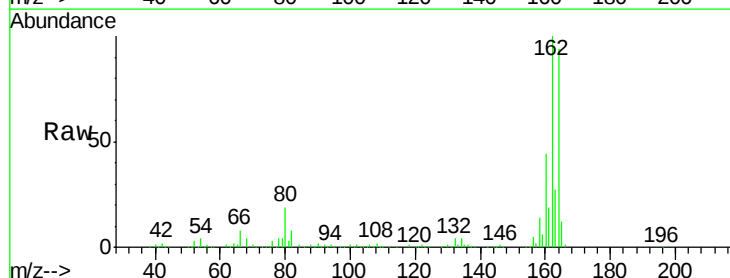
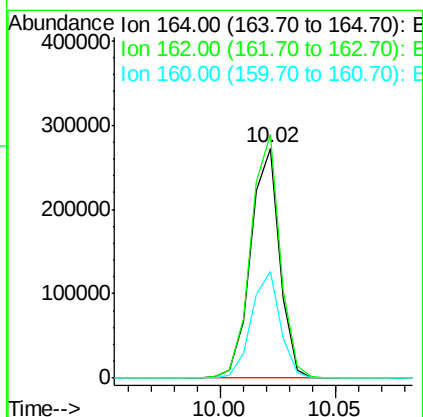
Manual Integrations
APPROVED

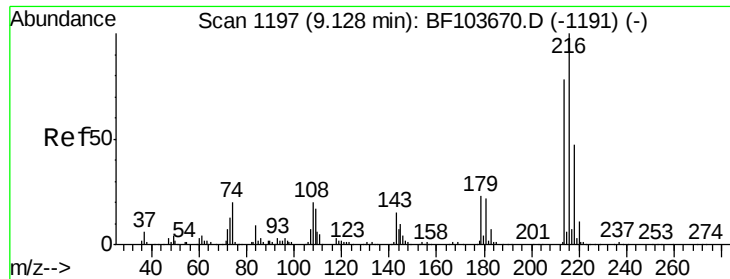
Sohil
3/27/2018 2:16:07 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.1	129.1
160	46.6	38.3	57.5





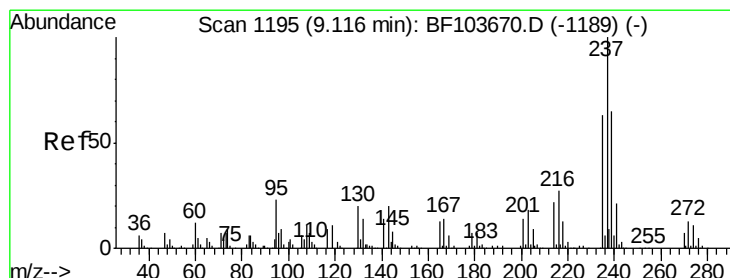
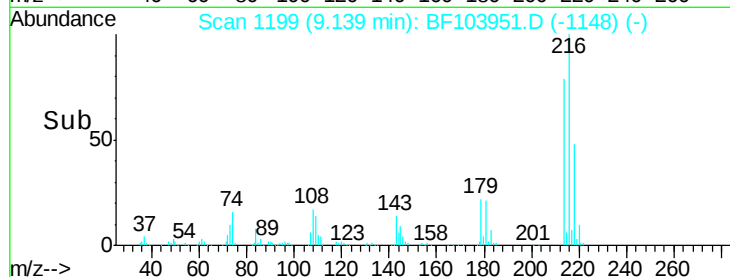
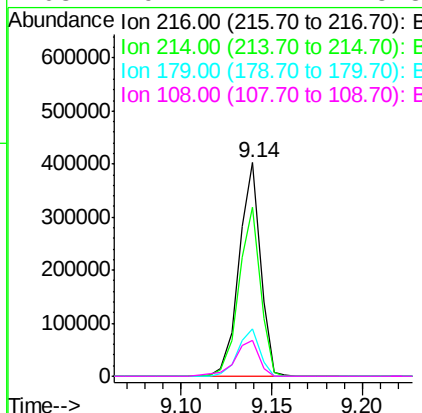
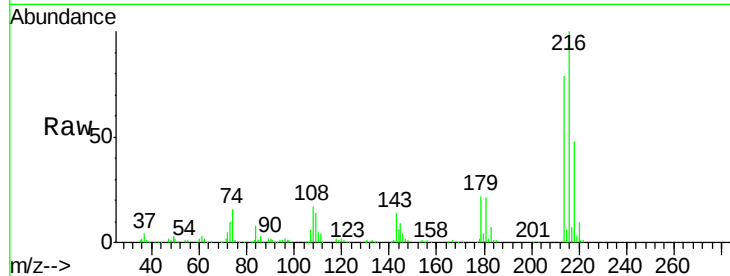
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 48.354 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Instrument :
 BNA_F
 ClientSampleId :
 PF-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		329857		
214	79.6		63.0	94.4	
179	22.4		18.1	27.1	
108	19.1		17.2	25.8	

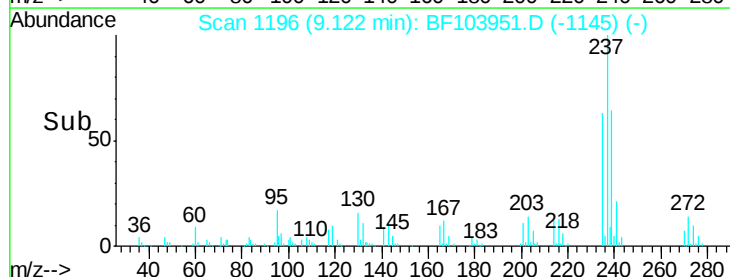
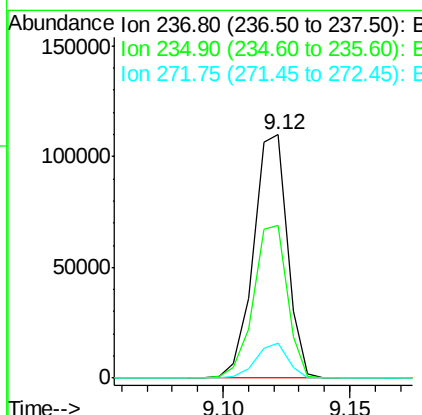
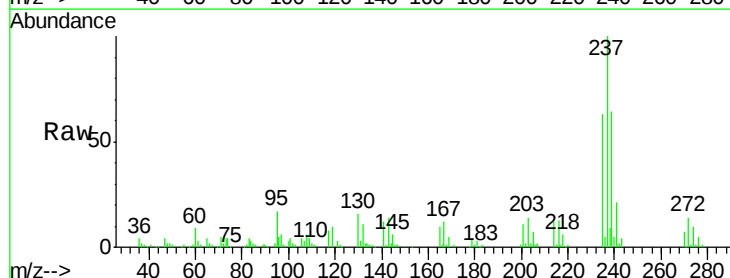
Manual Integrations
 APPROVED

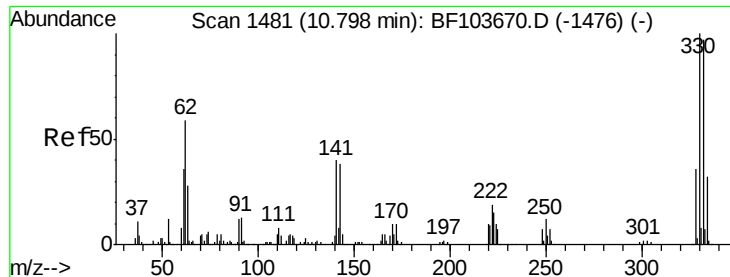
Sohil
 3/27/2018 2:16:07 PM



#40
 Hexachlorocyclopentadiene
 Concen: 29.326 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		103229		
235	62.8		44.8	84.8	
272	14.2		0.0	33.3	





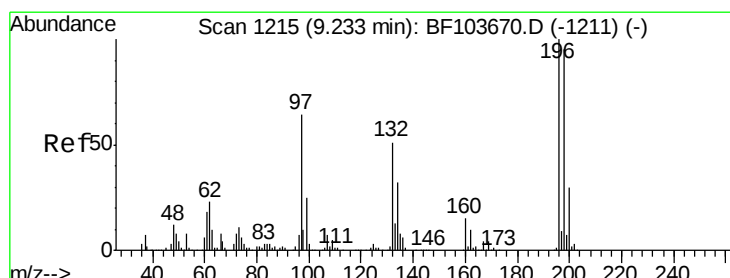
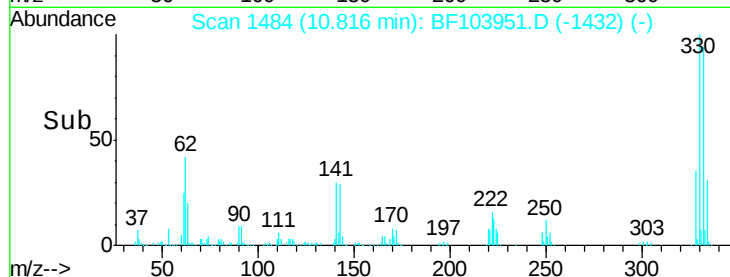
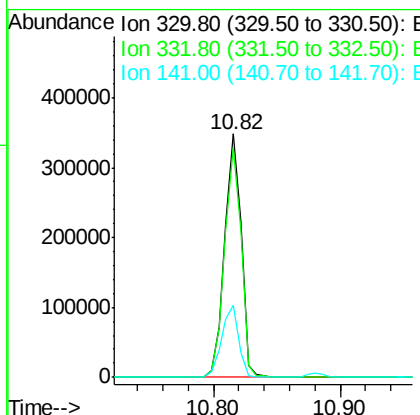
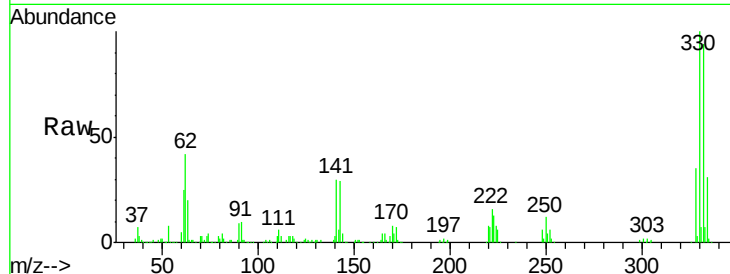
#41
 2,4,6-Tribromophenol
 Concen: 154.746 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Instrument :
 BNA_F
 ClientSampleId :
 PF-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	77.0	115.6	
141	30.4	29.9	44.9	

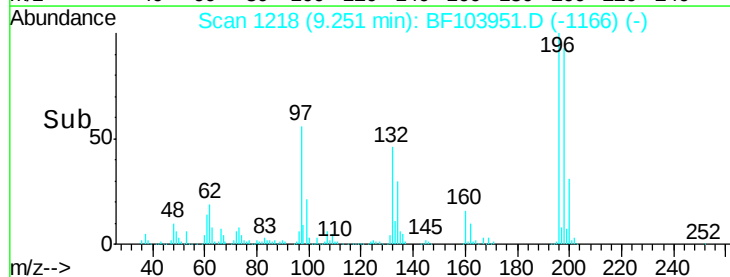
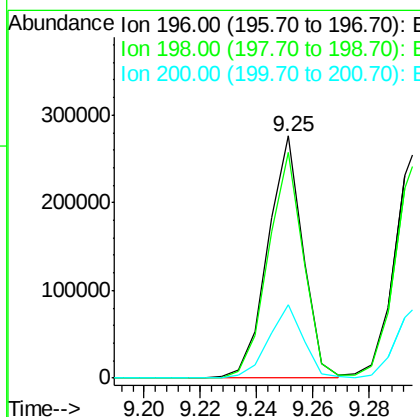
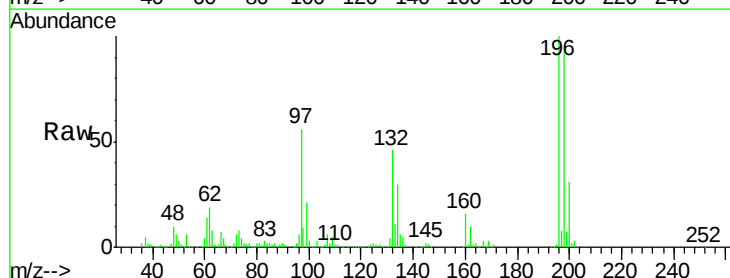
Manual Integrations
 APPROVED

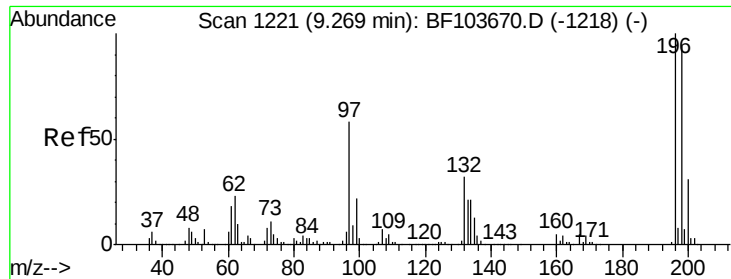
Sohil
 3/27/2018 2:16:07 PM



#42
 2,4,6-Trichlorophenol
 Concen: 54.587 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	93.2	75.7	113.5	
200	30.6	24.5	36.7	





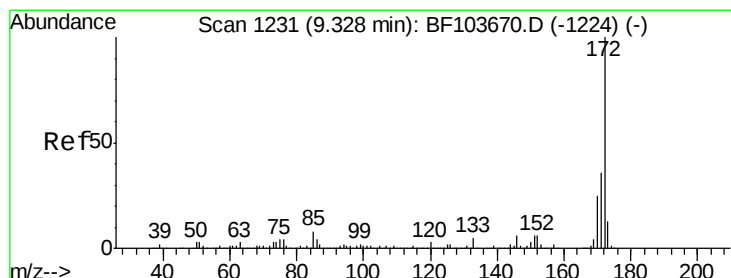
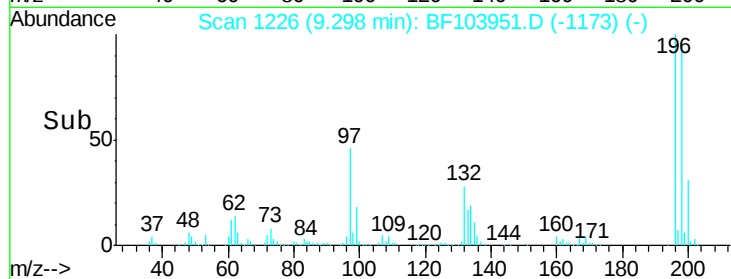
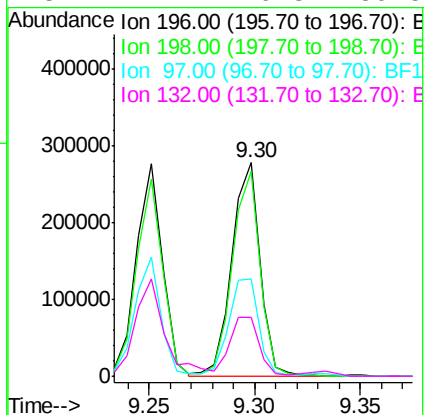
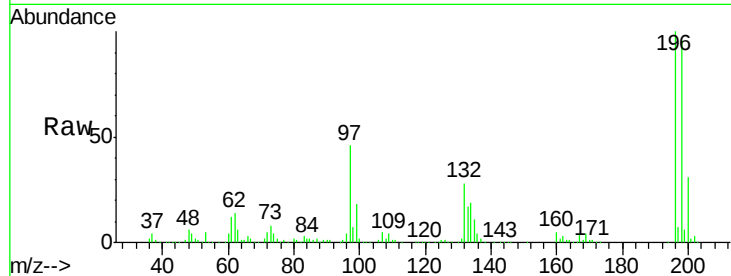
#43
 2,4,5-Trichlorophenol
 Concen: 51.333 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. 0.01 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Instrument :
 BNA_F
 ClientSampleId :
 PF-01MSD

Tot Ion:	196	Resp:	252807
Ion Ratio	Lower	Upper	
196	100		
198	95.9	74.6	112.0
97	45.7	42.9	64.3
132	27.7	26.3	39.5

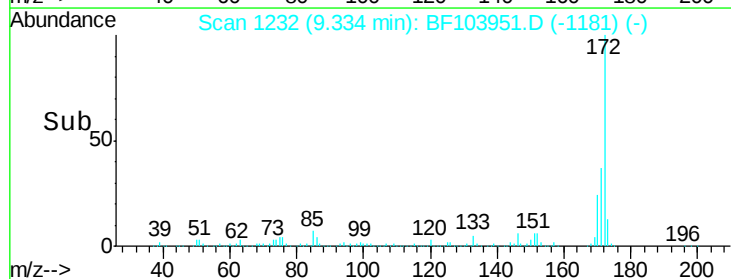
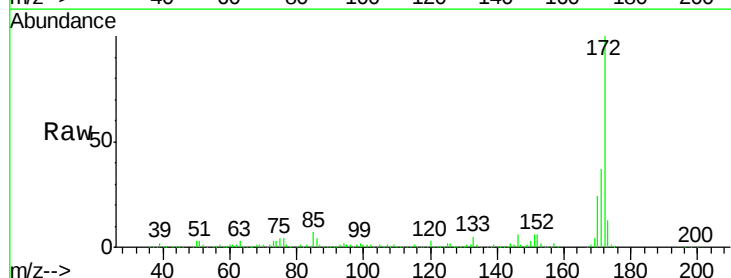
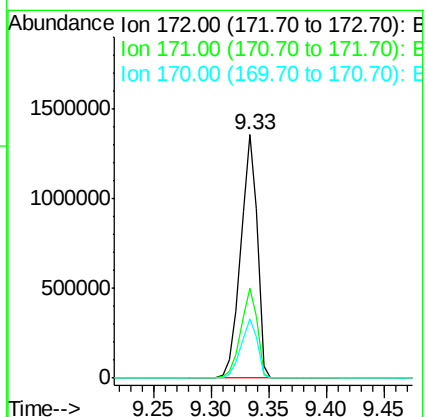
Manual Integrations
 APPROVED

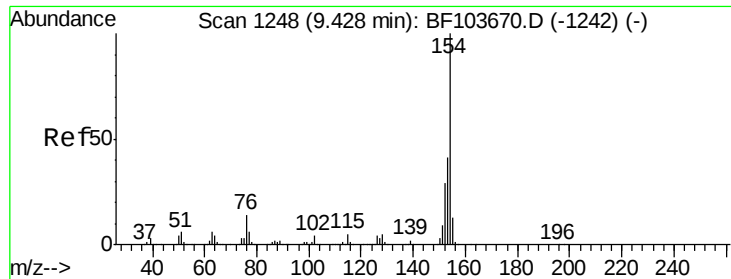
Sohil
 3/27/2018 2:16:07 PM



#44
 2-Fluorobiphenyl
 Concen: 89.699 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Tgt Ion:	172	Resp:	1344596
Ion Ratio	Lower	Upper	
172	100		
171	37.0	29.7	44.5
170	24.2	19.6	29.4





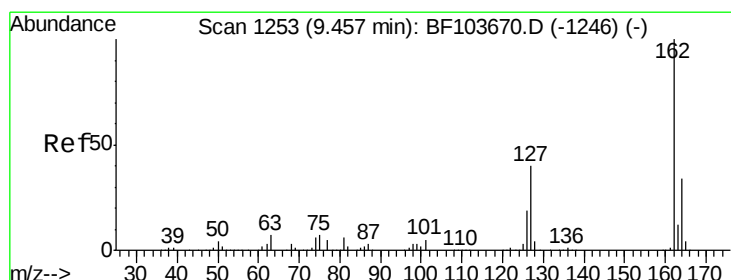
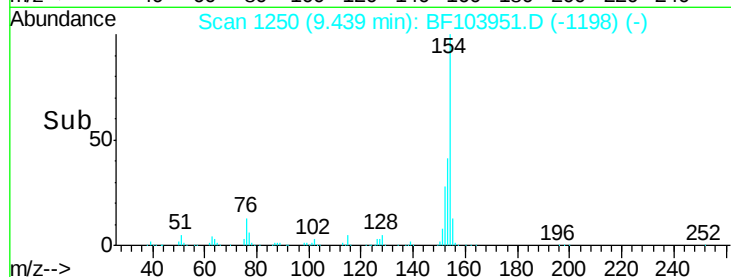
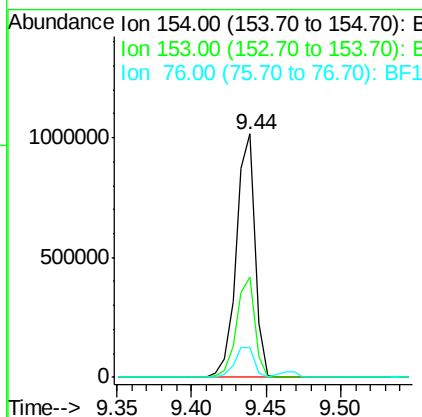
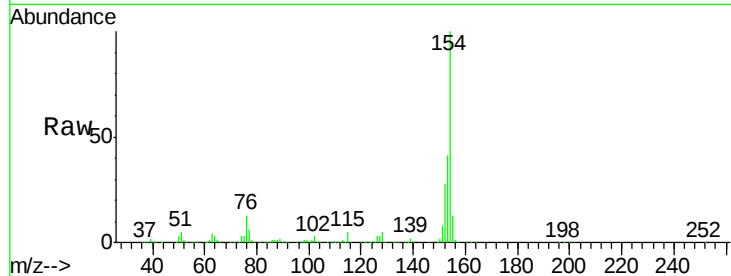
#45
 1,1'-Biphenyl
 Concen: 44.874 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.01 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Instrument :
 BNA_F
 ClientSampled :
 PF-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.4	21.3	61.3	
76	12.5	0.0	34.0	

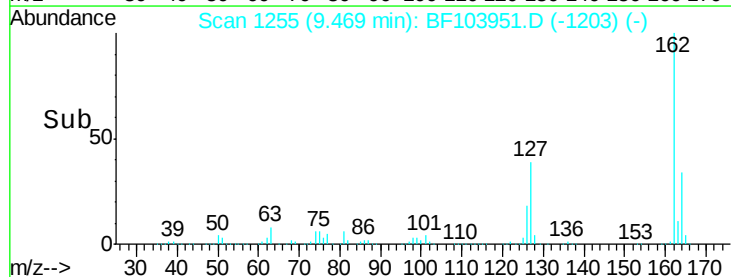
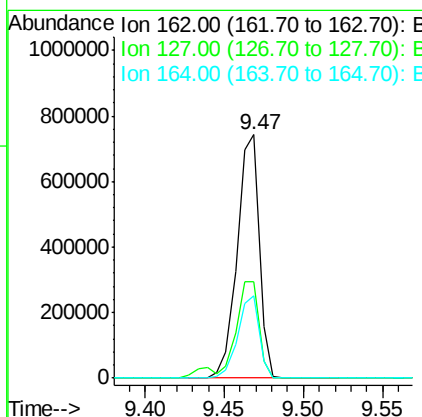
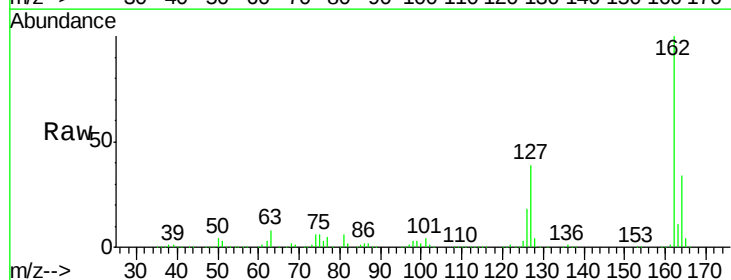
Manual Integrations
 APPROVED

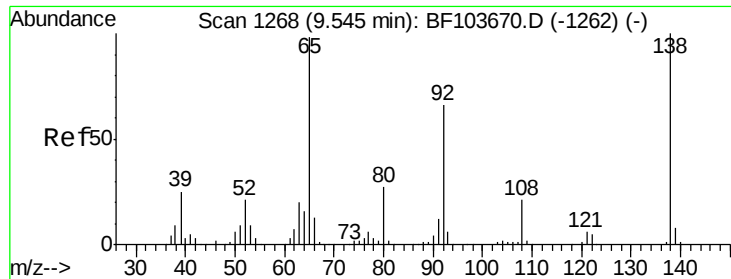
Sohil
 3/27/2018 2:16:07 PM



#46
 2-Chloronaphthalene
 Concen: 45.250 ng
 RT: 9.47 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
127	39.5	33.9	50.9	
164	33.7	26.5	39.7	





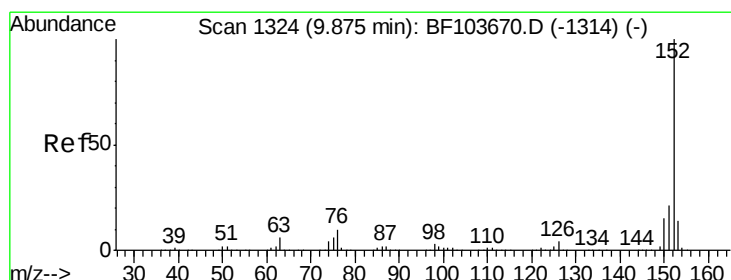
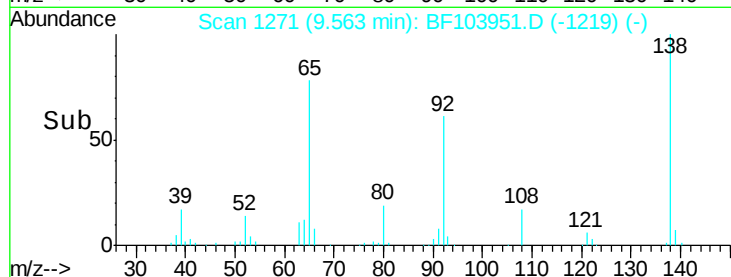
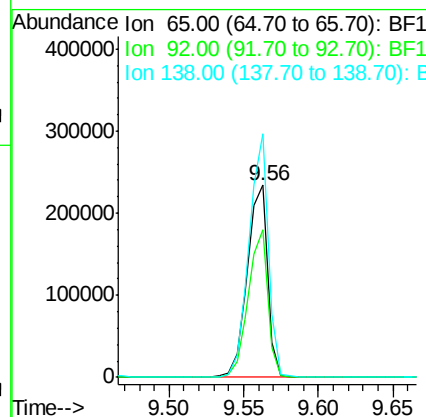
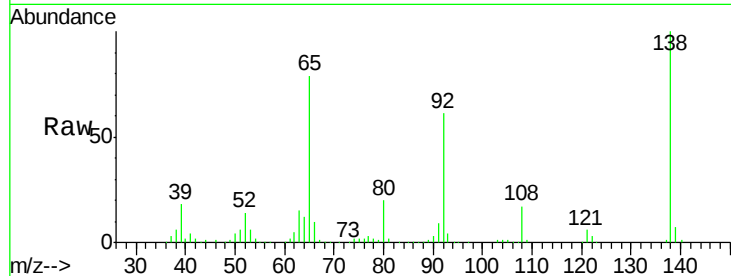
#47
2-Nitroaniline
Concen: 52.779 ng
RT: 9.56 min Scan# 1271
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampleId :
PF-01MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	76.7	55.8	83.6
138	126.7	91.2	136.8

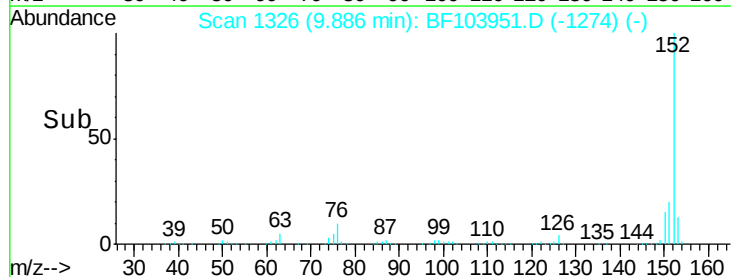
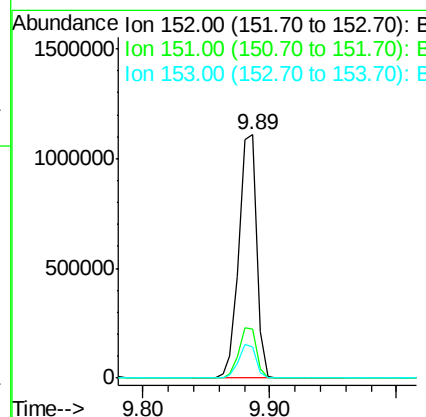
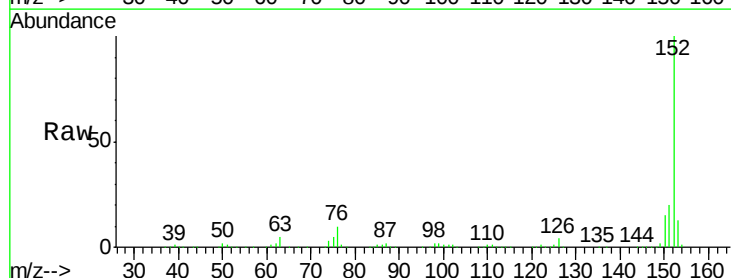
Manual Integrations
APPROVED

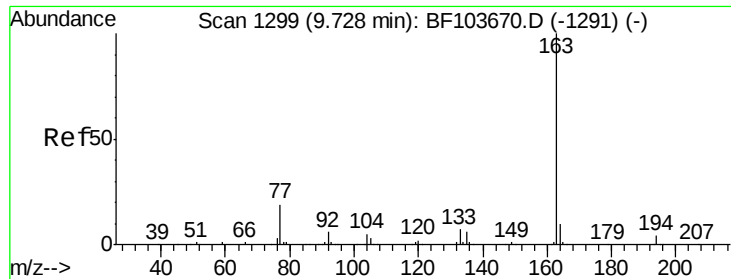
Sohil
3/27/2018 2:16:07 PM



#48
Acenaphthylene
Concen: 43.264 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.0	10.7	16.1





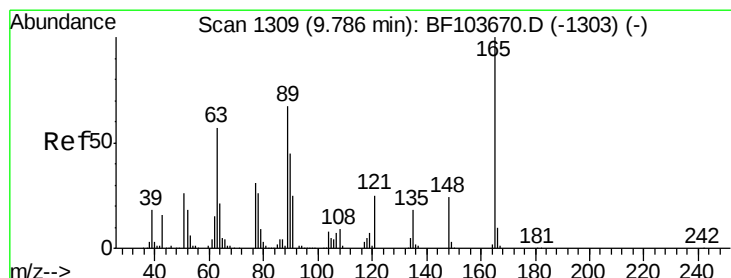
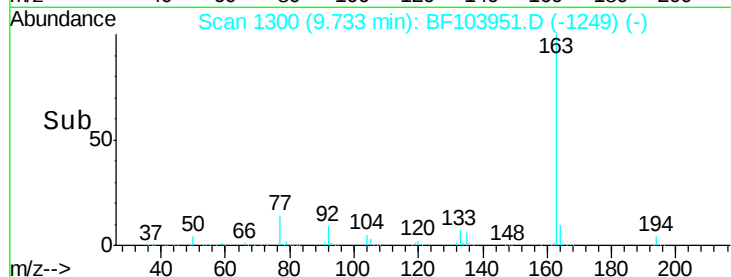
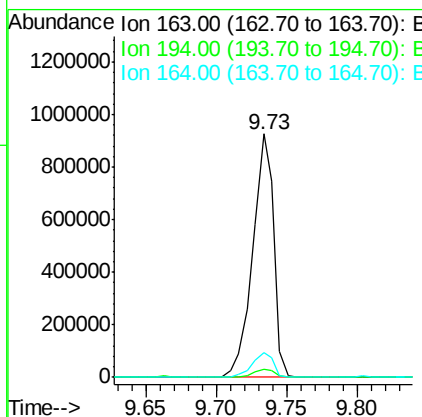
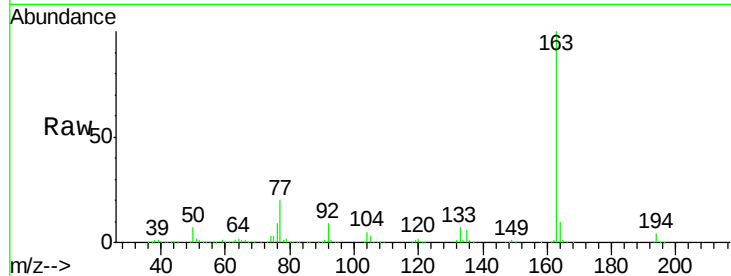
#49
Dimethylphthalate
Concen: 53.175 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampleId :
PF-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	970086		
194	3.6		2.7	4.1
164	10.2		8.2	12.2

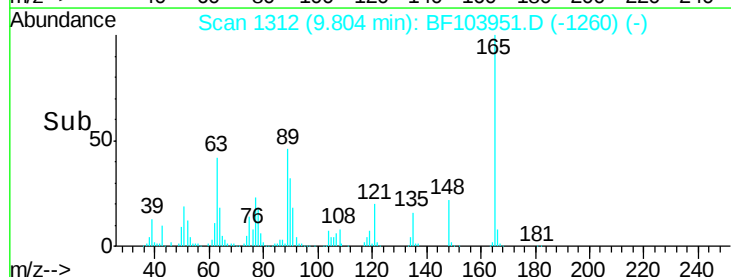
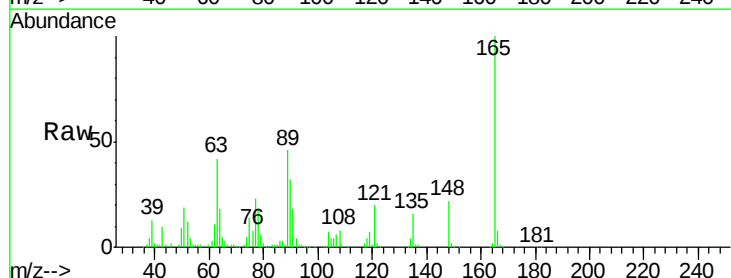
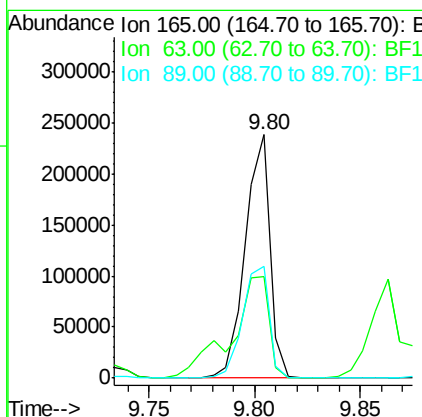
Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



#50
2,6-Dinitrotoluene
Concen: 54.430 ng
RT: 9.80 min Scan# 1312
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	194142		
63	41.6		44.7	67.1#
89	45.9		44.0	66.0





#51

Acenaphthene

Concen: 44.002 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.00 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Instrument :

BNA_F

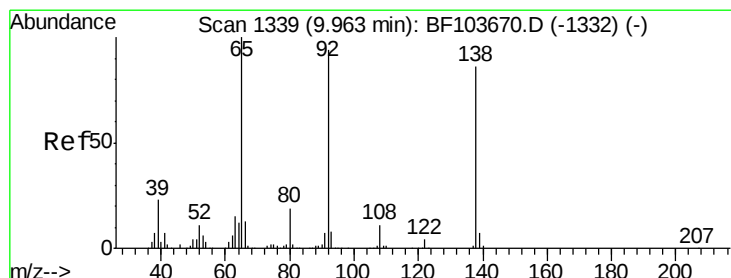
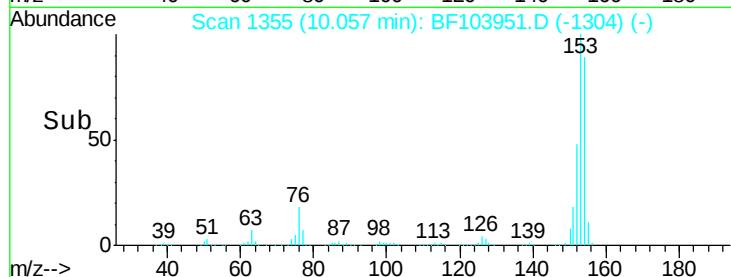
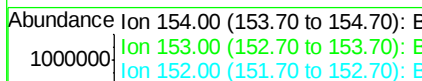
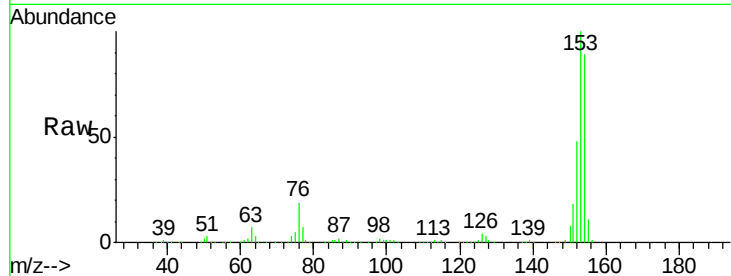
ClientSampleId :

PF-01MSD

Tot Ion:	154	Resp:	641623
Ion Ratio	Lower	Upper	
154	100		
153	112.5	91.2	136.8
152	54.1	43.8	65.8

Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



#52

3-Nitroaniline

Concen: 37.013 ng

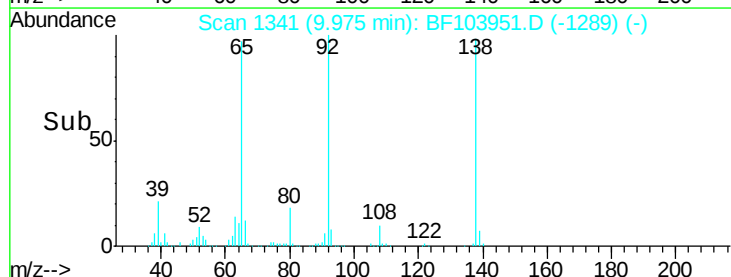
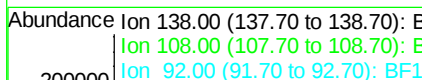
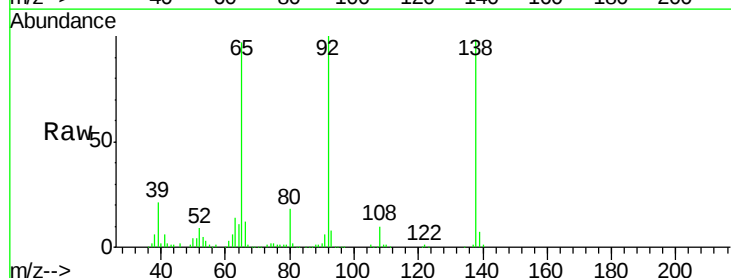
RT: 9.97 min Scan# 1341

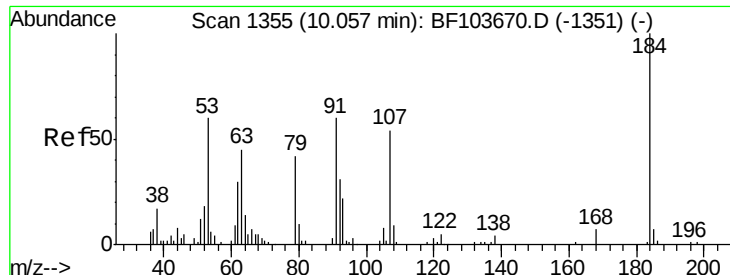
Delta R.T. 0.01 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Tgt Ion:	138	Resp:	152537
Ion Ratio	Lower	Upper	
138	100		
108	10.1	9.4	14.0
92	102.0	89.4	134.2





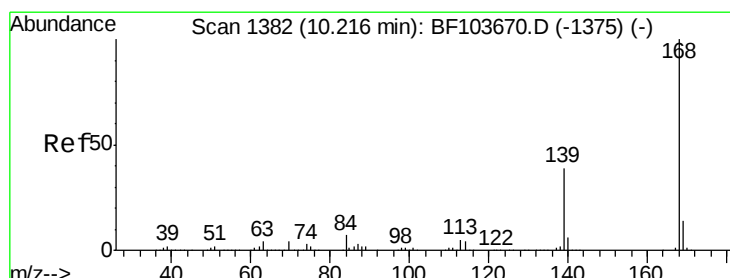
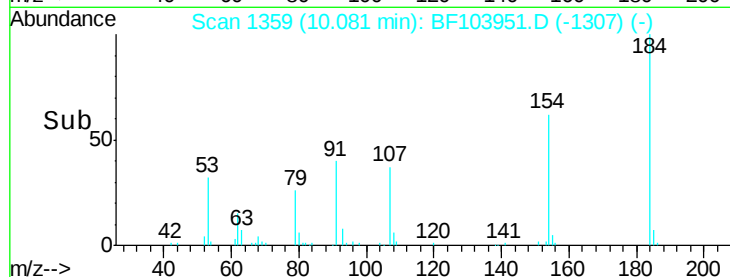
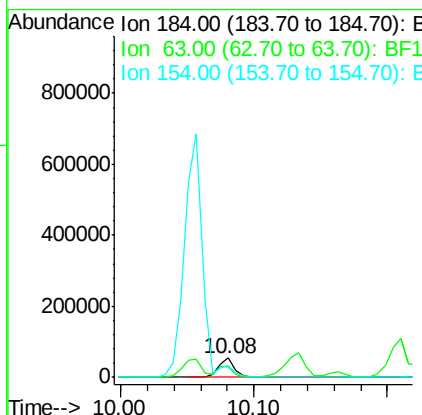
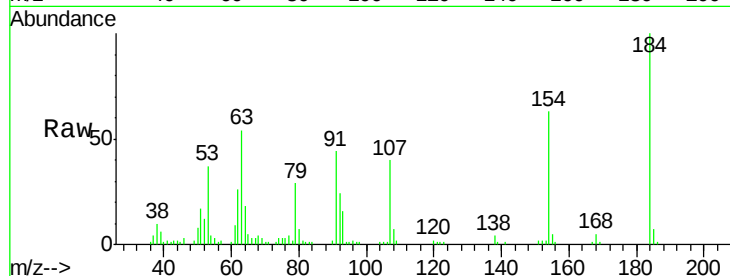
#53
2,4-Dinitrophenol
Concen: 56.673 ng
RT: 10.08 min Scan# 1359
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampleId :
PF-01MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	54.0	54.2	81.2#
154	62.9	184.0	276.0#

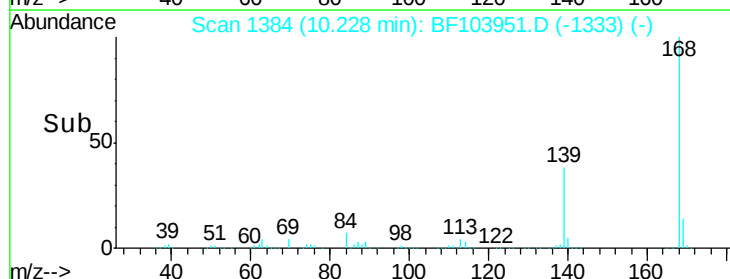
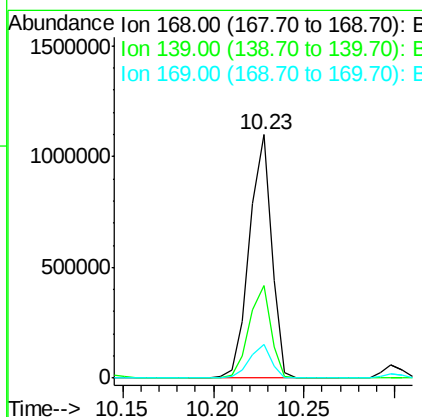
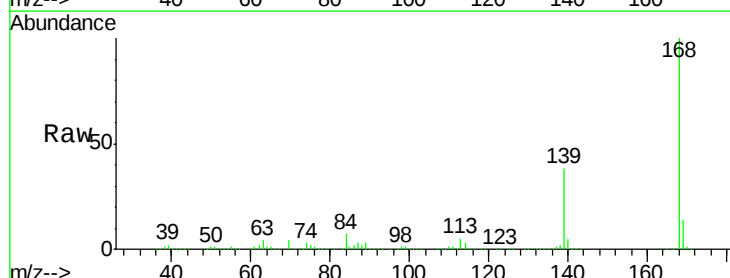
Manual Integrations
APPROVED

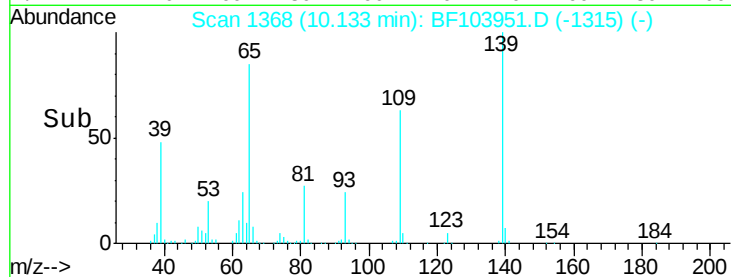
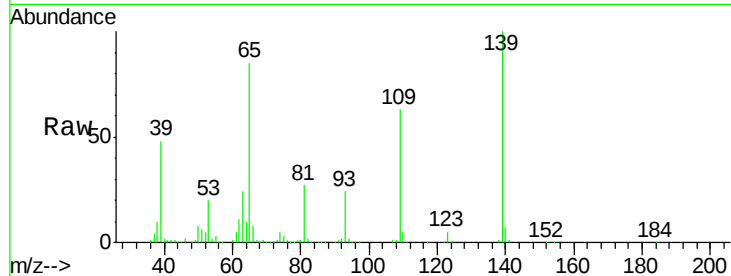
Sohil
3/27/2018 2:16:07 PM



#54
Dibenzofuran
Concen: 45.069 ng
RT: 10.23 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.1	45.1
169	13.6	10.9	16.3





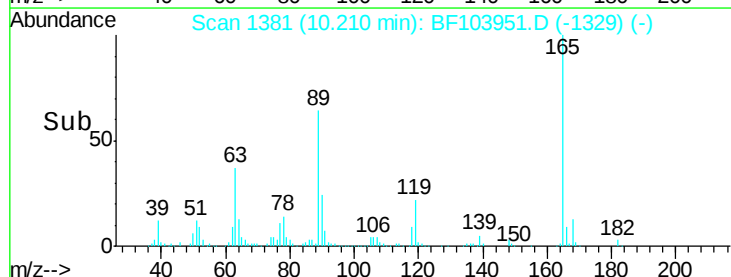
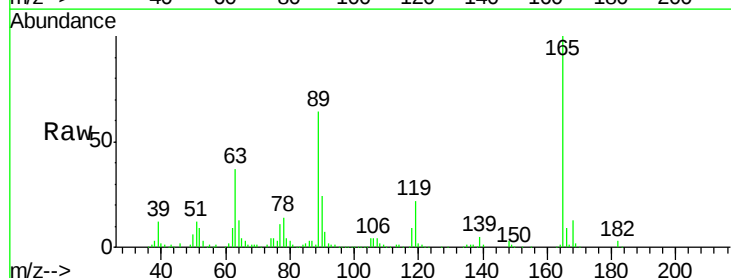
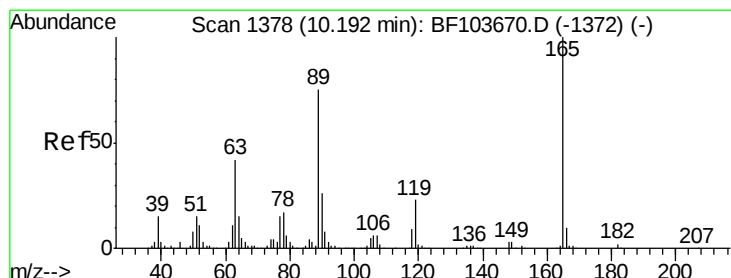
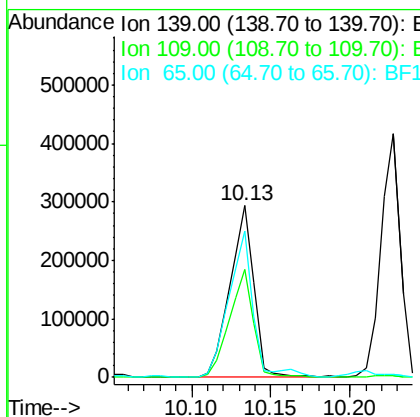
#55
4-Nitrophenol
Concen: 92.005 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampleId :
PF-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100	309954		
109	62.7	48.4	88.4	
65	85.2	72.6	112.6	

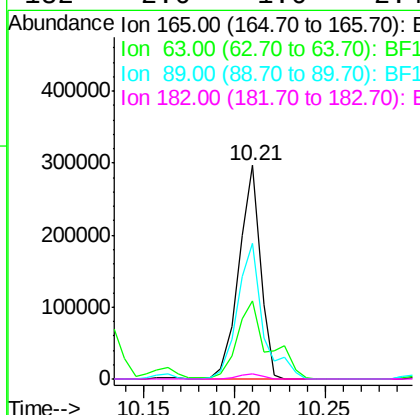
Manual Integrations
APPROVED

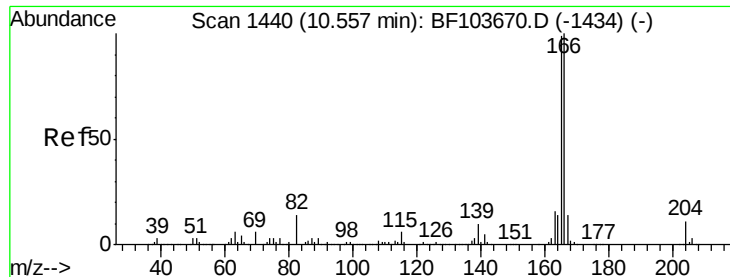
Sohil
3/27/2018 2:16:07 PM



#56
2,4-Dinitrotoluene
Concen: 53.895 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	244880		
63	36.7	36.4	54.6	
89	63.7	57.8	86.6	
182	2.6	1.6	2.4#	





#57

Fluorene

Concen: 44.379 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.01 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Instrument :

BNA_F

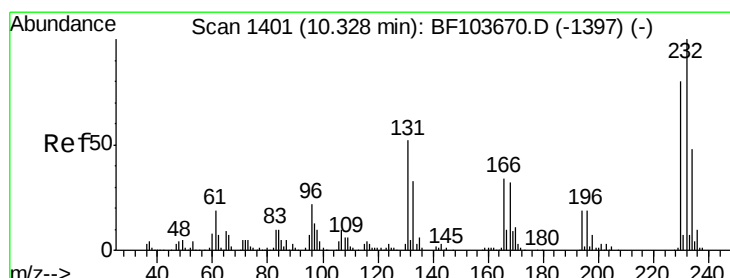
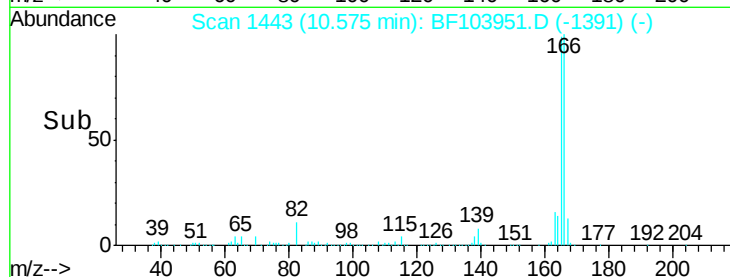
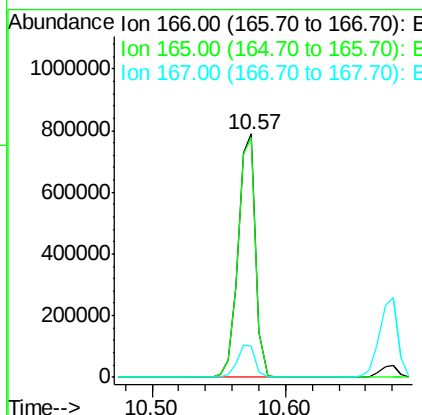
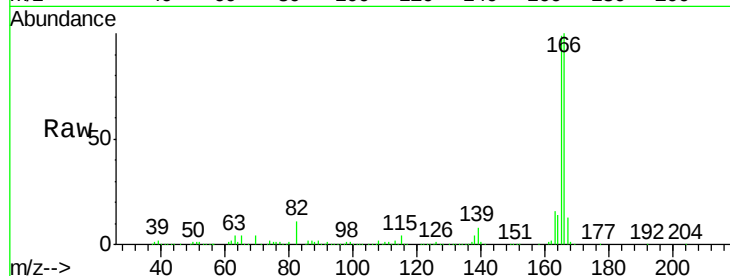
ClientSampled :

PF-01MSD

Tot Ion:	166	Resp:	717170
Ion Ratio	Lower	Upper	
166	100		
165	98.6	79.8	119.8
167	12.9	10.6	16.0

Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 54.309 ng

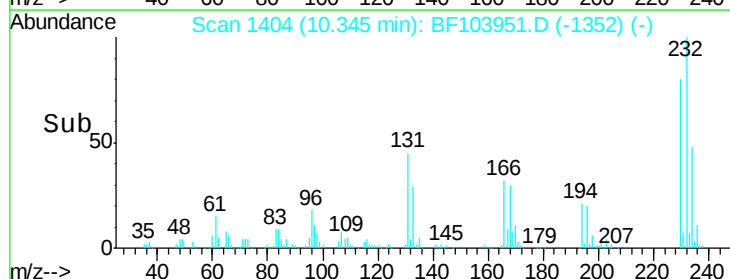
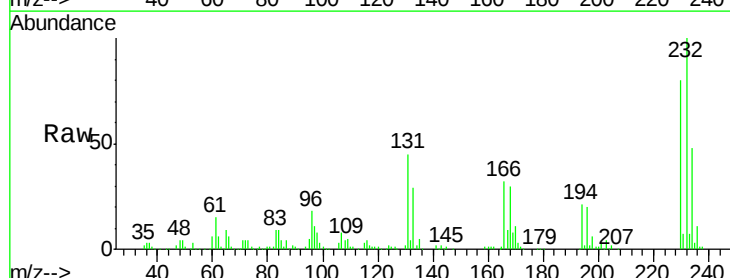
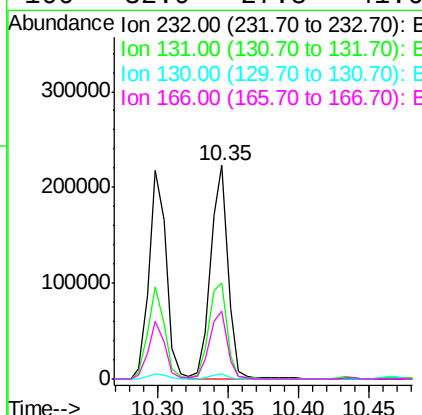
RT: 10.35 min Scan# 1404

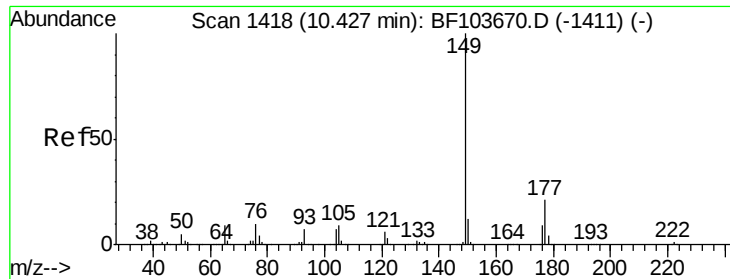
Delta R.T. 0.01 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Tgt Ion:	232	Resp:	189519
Ion Ratio	Lower	Upper	
232	100		
131	47.6	43.8	65.8
130	2.3	2.1	3.1
166	32.9	27.8	41.6





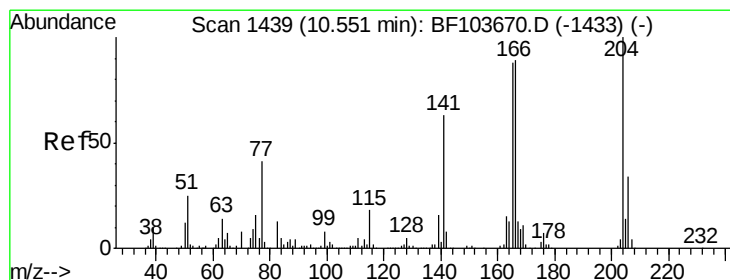
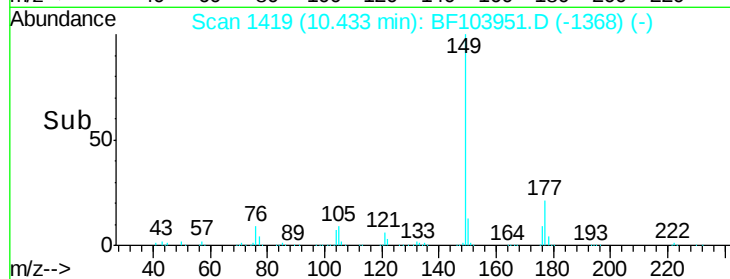
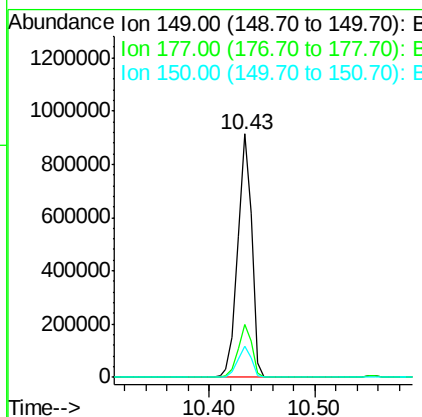
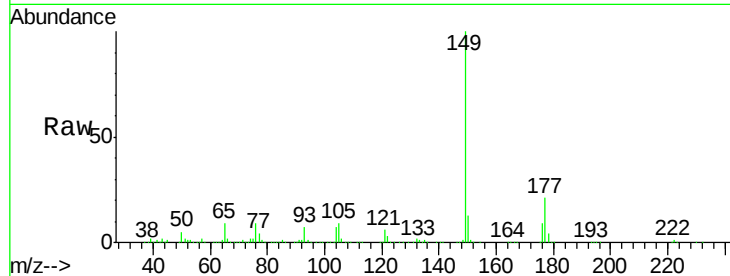
#59
Diethylphthalate
Concen: 45.236 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampleId :
PF-01MSD

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.5	16.1	24.1
150	12.7	10.1	15.1

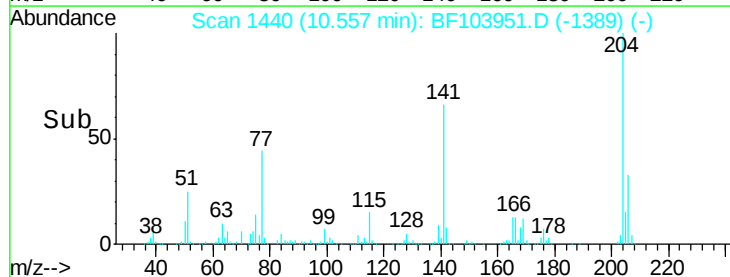
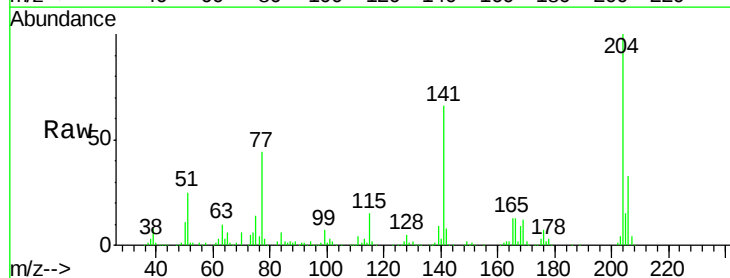
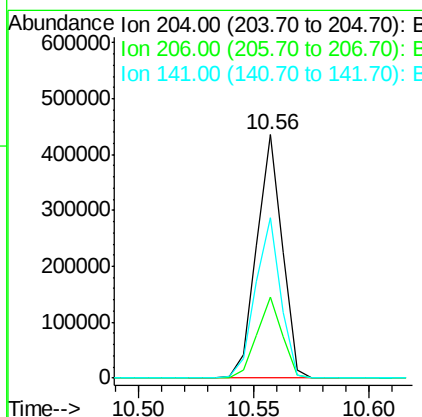
Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



#60
4-Chlorophenyl-phenylether
Concen: 45.885 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.5	39.7
141	65.9	54.6	81.8





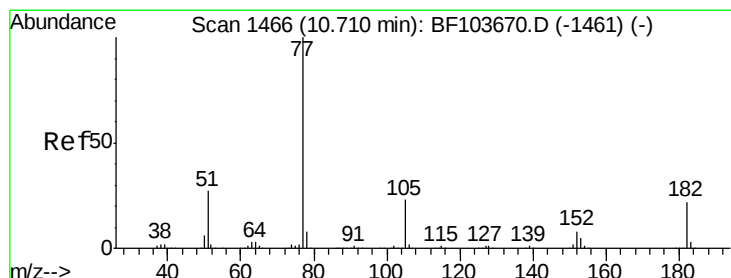
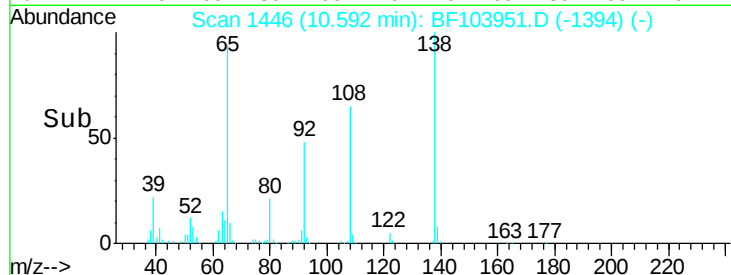
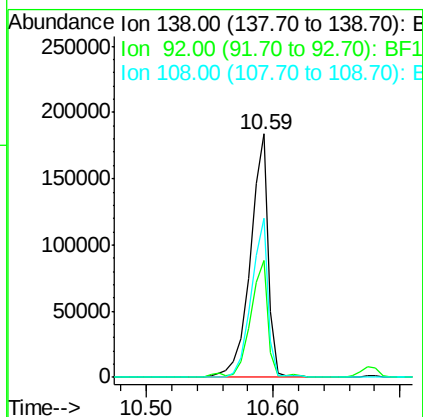
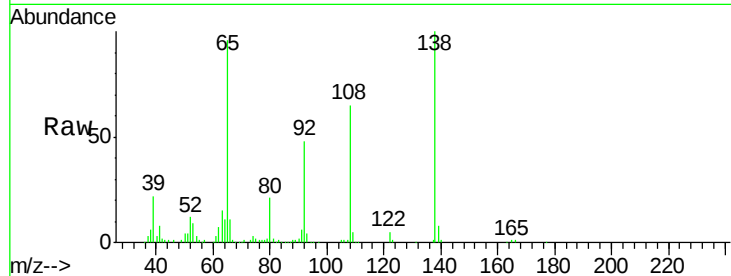
#61
4-Nitroaniline
Concen: 44.707 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampled :
PF-01MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	48.1	30.2	70.2
108	65.2	52.5	92.5

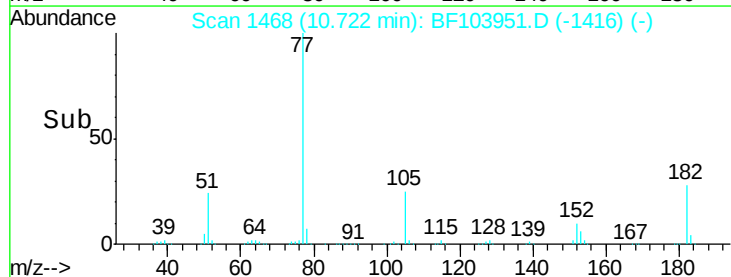
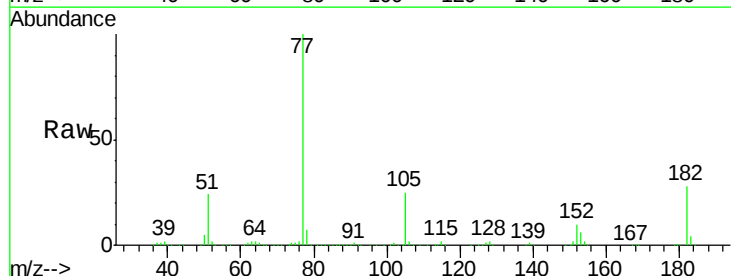
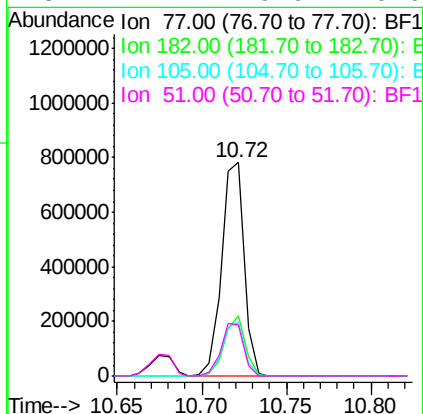
Manual Integrations
APPROVED

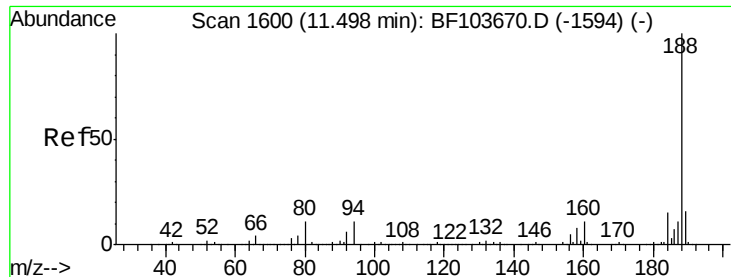
Sohil
3/27/2018 2:16:07 PM



#62
Azobenzene
Concen: 39.418 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
77	100		
182	28.4	1.7	41.7
105	25.0	3.0	43.0
51	24.1	9.9	49.9





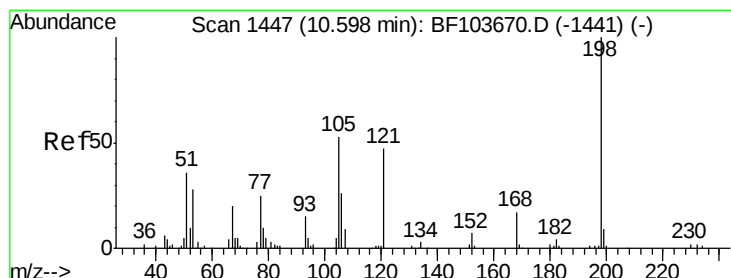
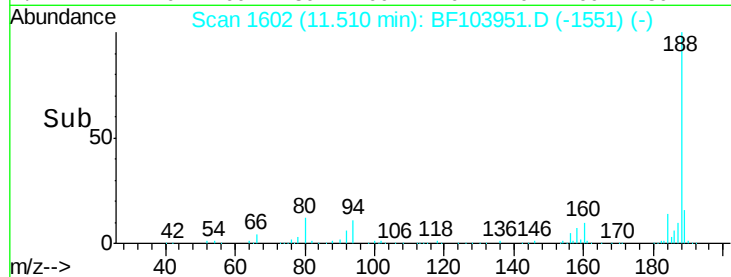
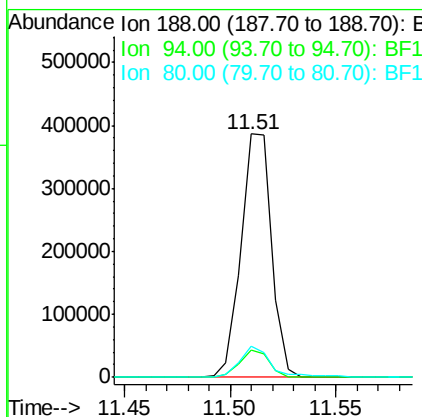
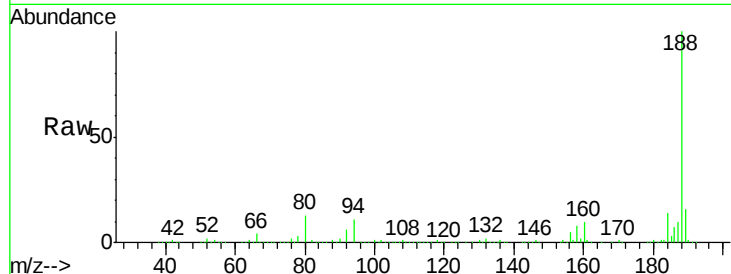
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. 0.00 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Instrument :
 BNA_F
 ClientSampleId :
 PF-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	387068		
94	11.4		8.5	12.7
80	12.6		9.2	13.8

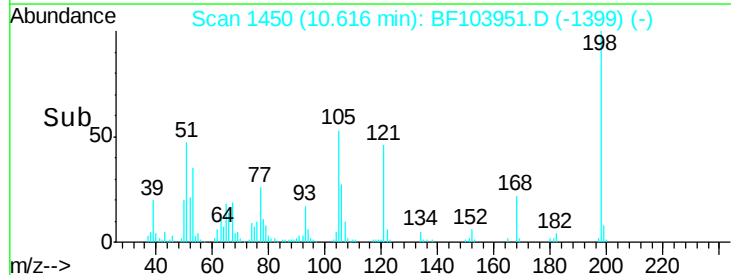
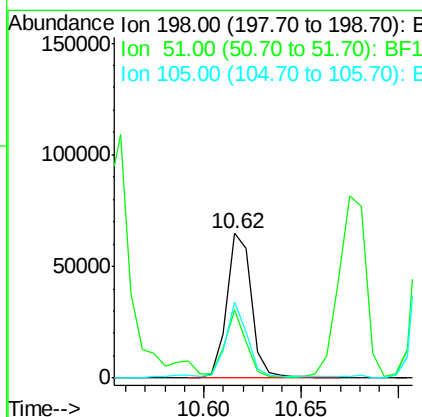
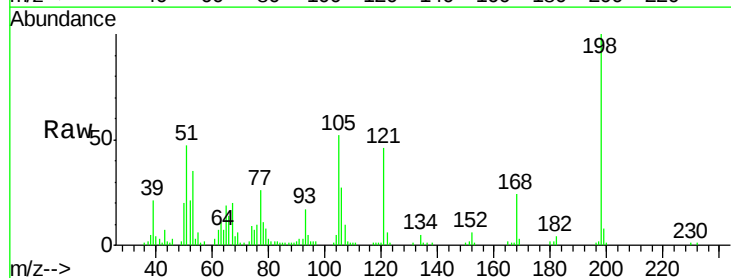
Manual Integrations
 APPROVED

Sohil
 3/27/2018 2:16:07 PM



#64
 4,6-Dinitro-2-methylphenol
 Concen: 42.449 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.00 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	56737		
51	47.1		37.7	77.7
105	52.3		36.3	76.3





#65

n-Nitrosodiphenylamine

Concen: 49.761 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.01 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Instrument :

BNA_F

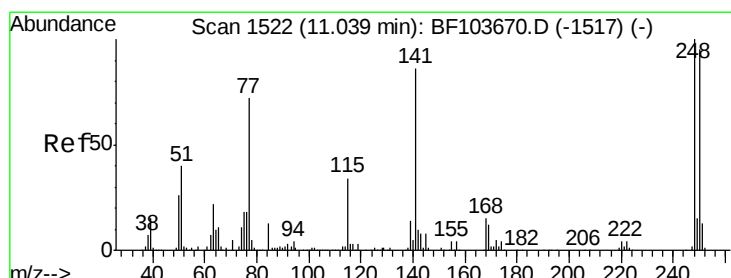
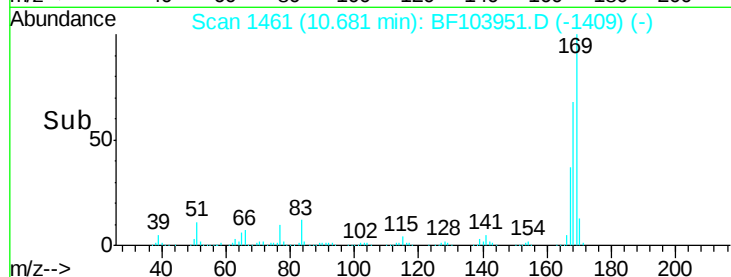
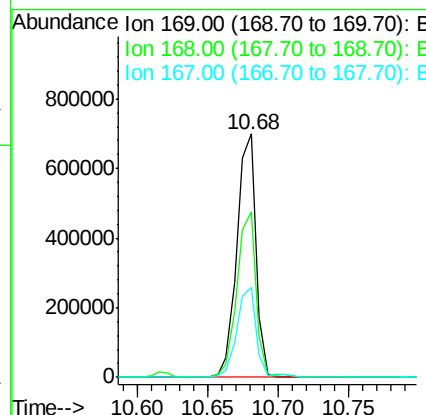
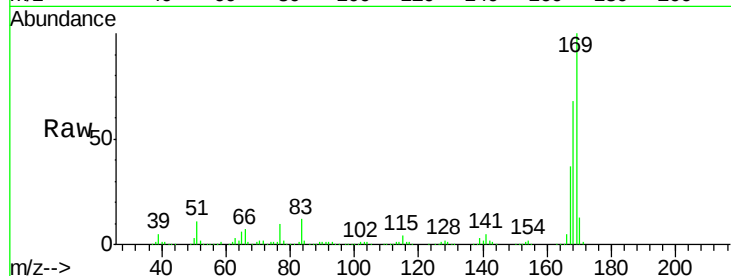
ClientSampleId :

PF-01MSD

Tot Ion:	169	Resp:	655601
Ion Ratio	Lower	Upper	
169	100		
168	67.8	54.4	81.6
167	37.0	29.8	44.6

Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



#66

4-Bromophenyl-phenylether

Concen: 51.624 ng

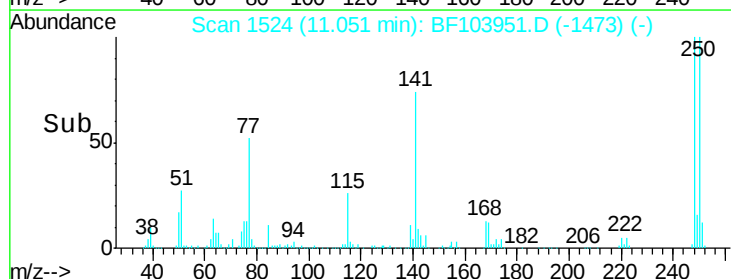
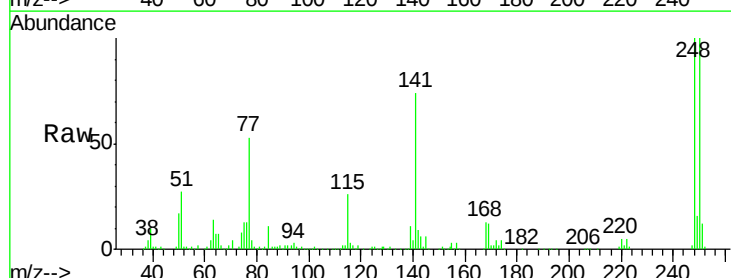
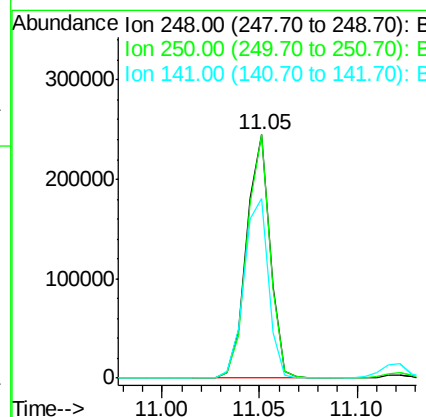
RT: 11.05 min Scan# 1524

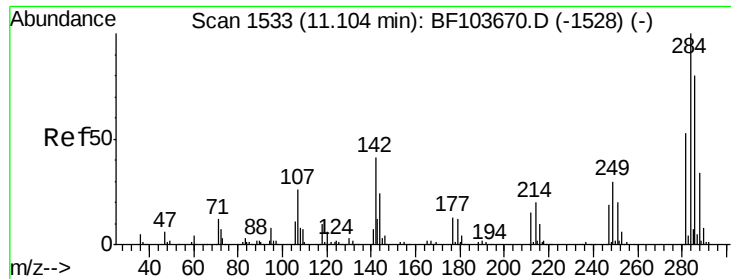
Delta R.T. 0.00 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Tgt Ion:	248	Resp:	205164
Ion Ratio	Lower	Upper	
248	100		
250	100.1	76.9	115.3
141	74.0	74.4	111.6#





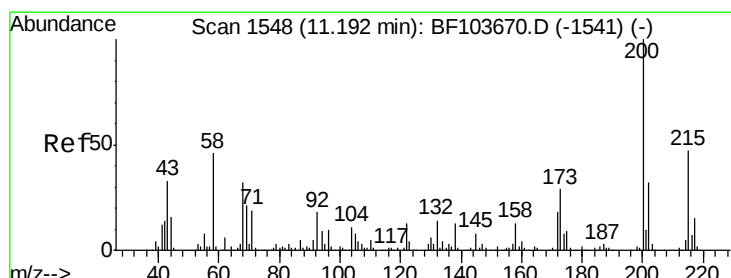
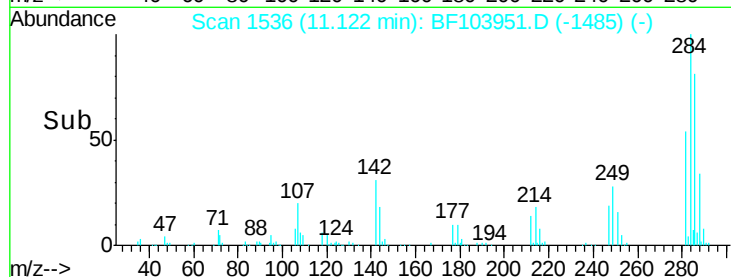
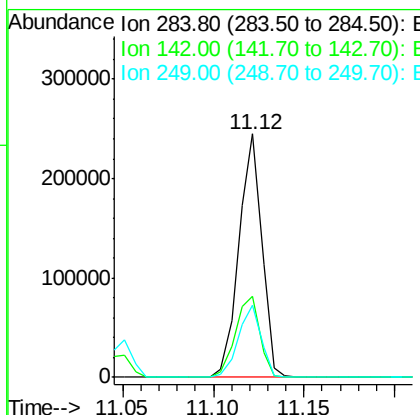
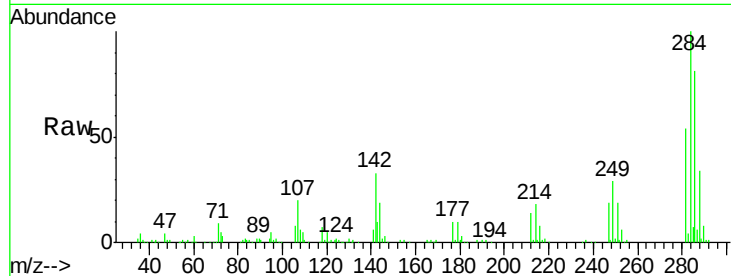
#67
Hexachlorobenzene
Concen: 47.495 ng
RT: 11.12 min Scan# 1536
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampleId :
PF-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	215433		
142	33.3	34.6	52.0#	
249	29.4	24.8	37.2	

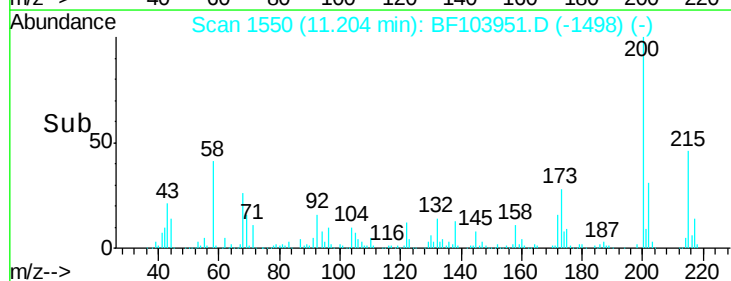
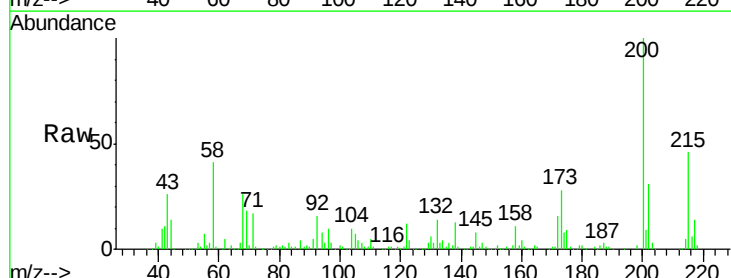
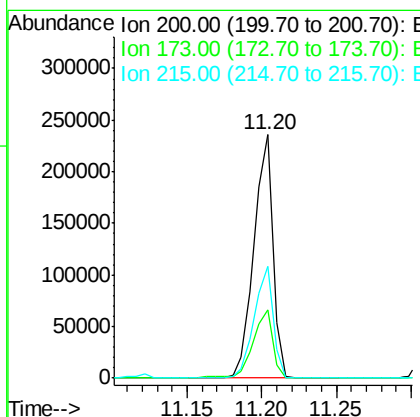
Manual Integrations
APPROVED

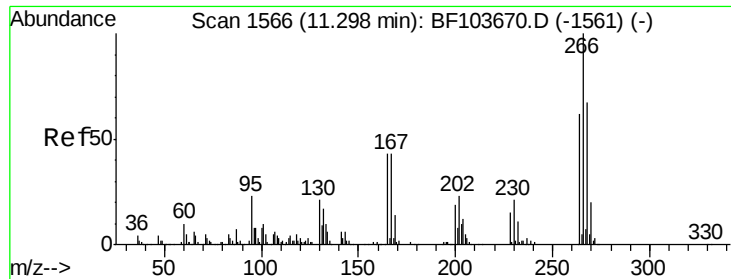
Sohil
3/27/2018 2:16:07 PM



#68
Atrazine
Concen: 50.981 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	207779		
173	28.3	8.6	48.6	
215	46.1	25.1	65.1	





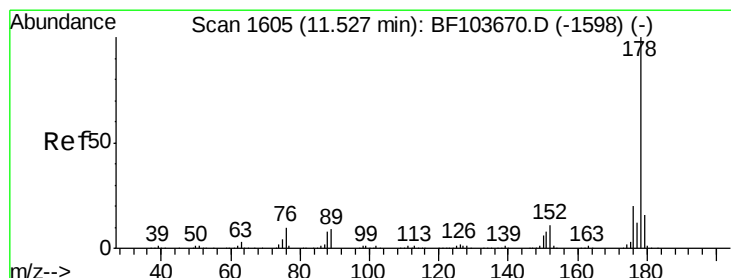
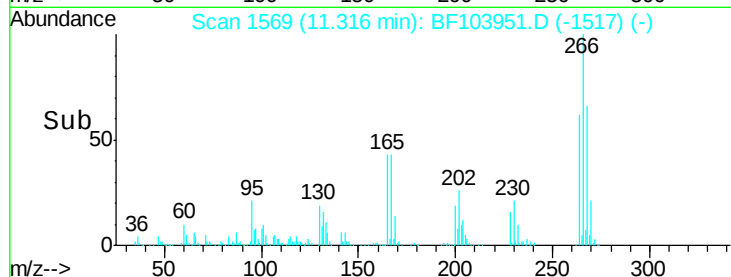
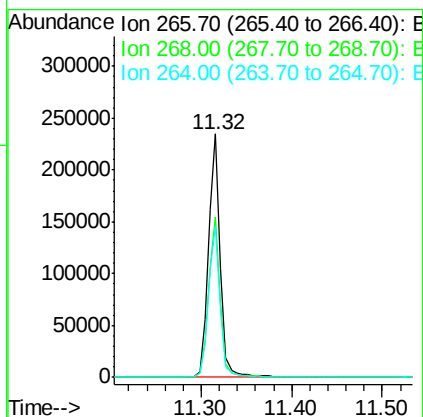
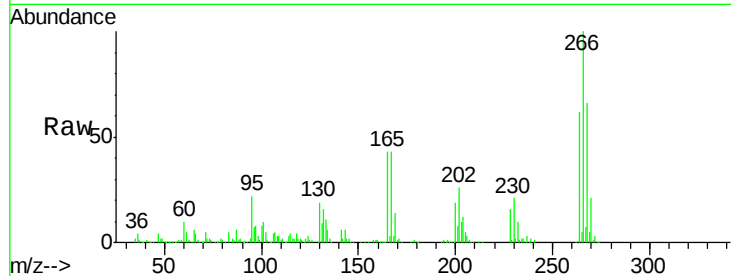
#69
 Pentachlorophenol
 Concen: 82.929 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Instrument :
 BNA_F
 ClientSampleId :
 PF-01MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	65.8	51.1	76.7
264	62.1	49.5	74.3

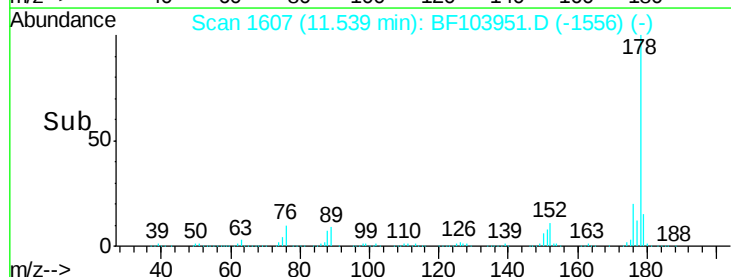
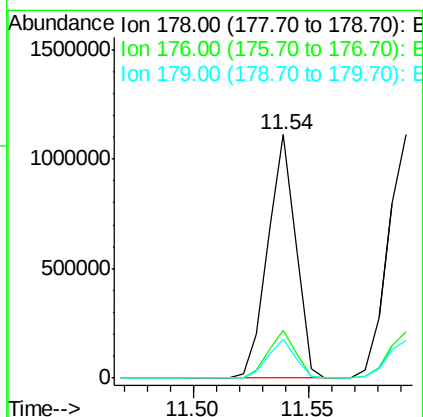
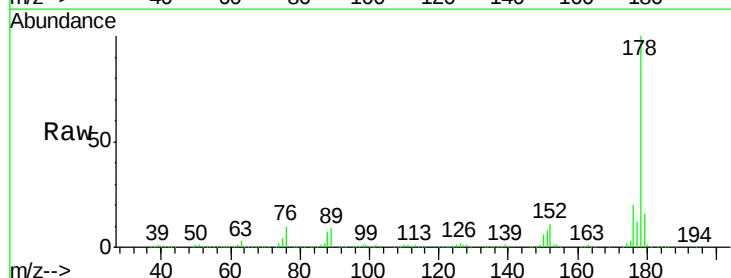
Manual Integrations
 APPROVED

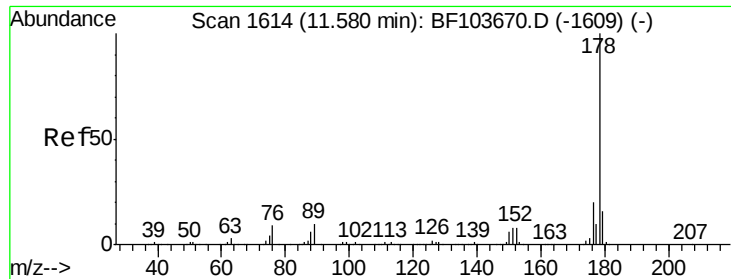
Sohil
 3/27/2018 2:16:07 PM



#70
 Phenanthrene
 Concen: 44.284 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.7	13.0	19.6





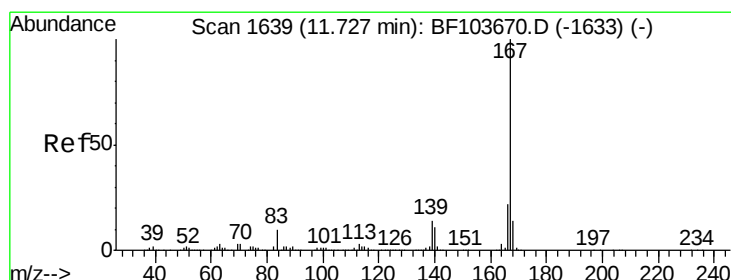
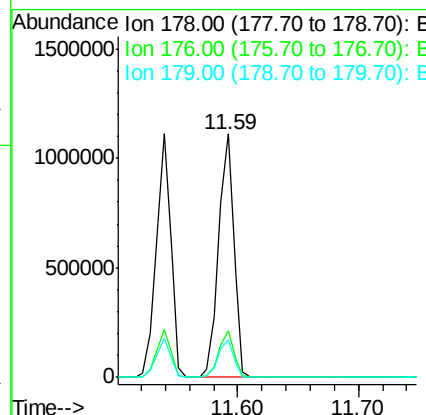
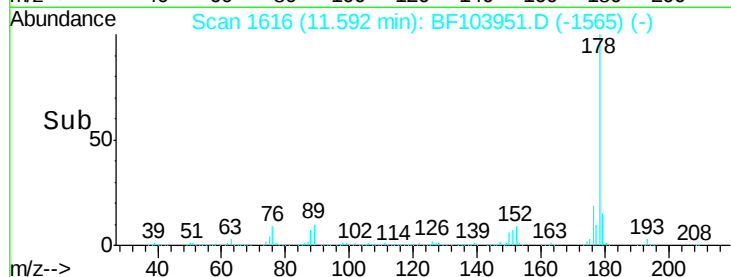
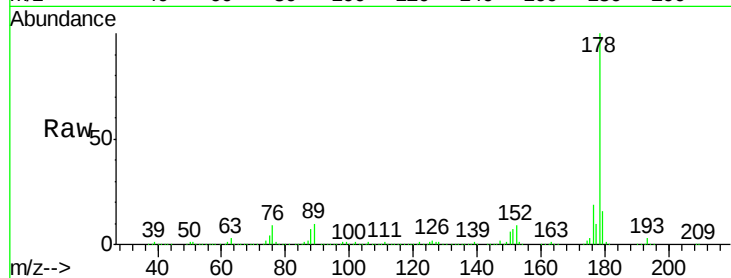
#71
 Anthracene
 Concen: 44.791 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Instrument :
 BNA_F
 ClientSampleId :
 PF-01MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.5	12.6	19.0

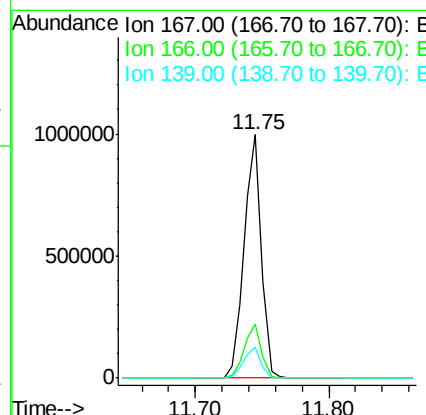
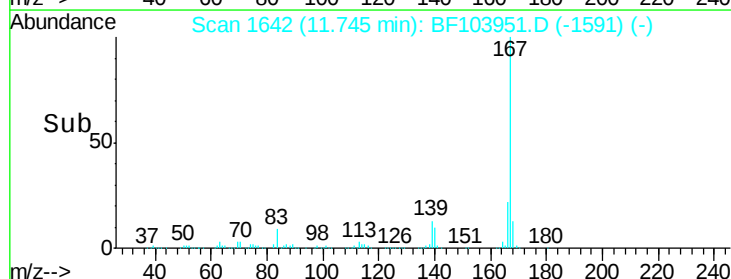
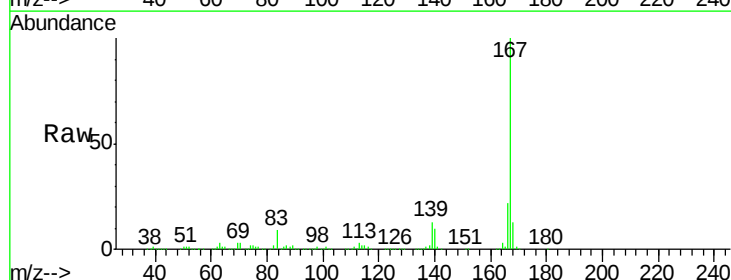
Manual Integrations
 APPROVED

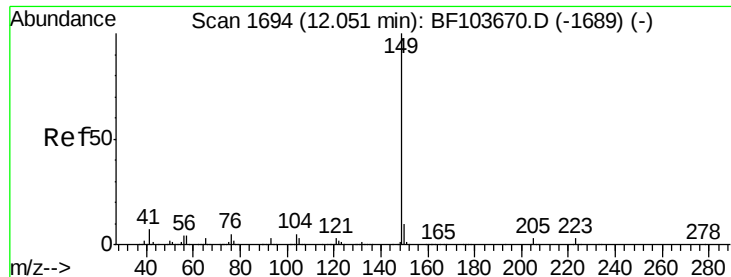
Sohil
 3/27/2018 2:16:07 PM



#72
 Carbazole
 Concen: 42.876 ng
 RT: 11.75 min Scan# 1642
 Delta R.T. 0.00 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.6	26.4
139	12.8	10.9	16.3





#73

Di-n-butylphthalate

Concen: 46.655 ng

RT: 12.06 min Scan# 1696

Delta R.T. 0.00 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

Instrument :

BNA_F

ClientSampleId :

PF-01MSD

Tot Ion:149 Resp: 1170106

Ion Ratio Lower Upper

149 100

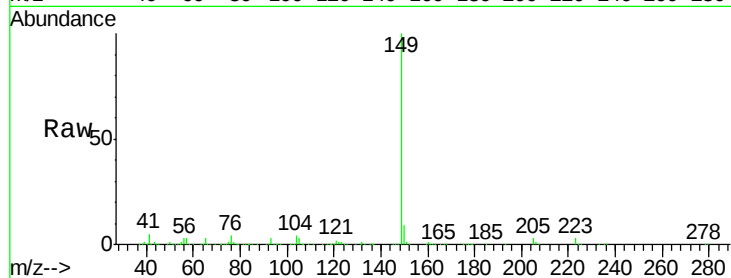
150 9.2 7.8 11.6

104 4.3 3.8 5.8

Manual Integrations
APPROVED

Sohil

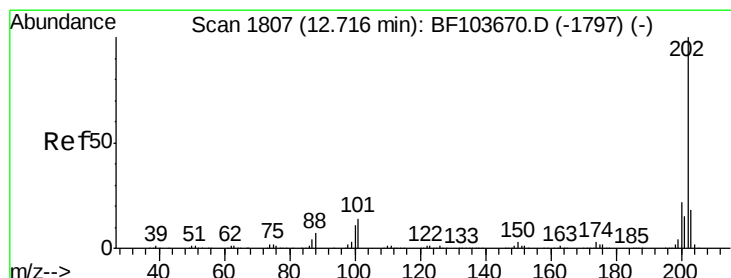
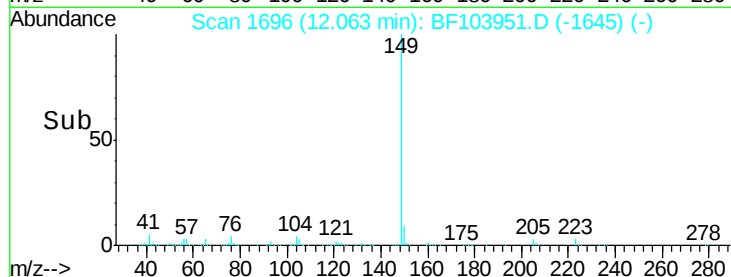
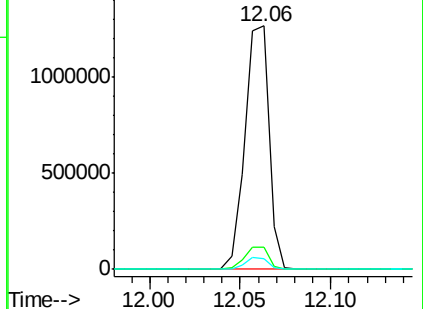
3/27/2018 2:16:07 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 40.768 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BF103951.D

Acq: 27 Mar 2018 2:54

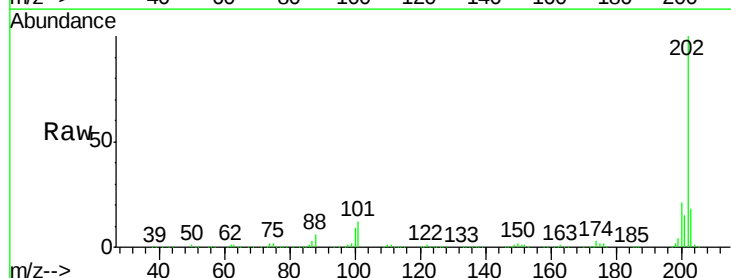
Tgt Ion:202 Resp: 889293

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

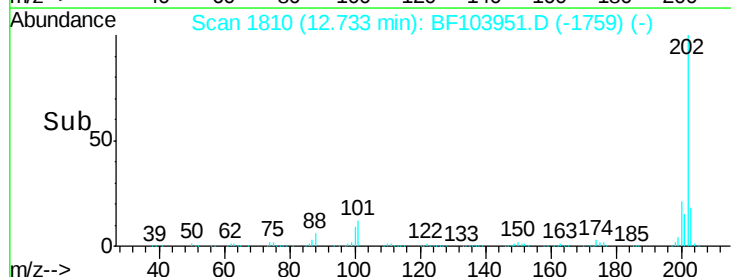
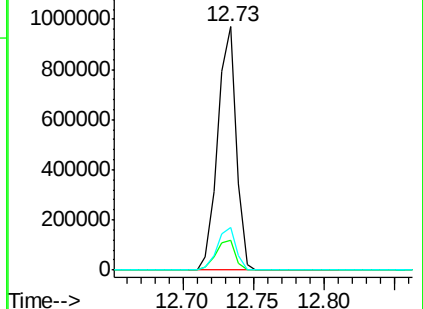
203 17.6 0.0 38.1

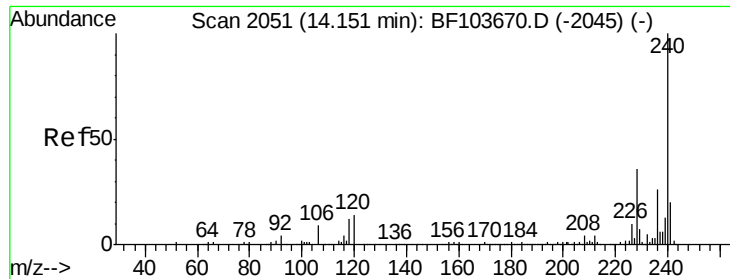


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





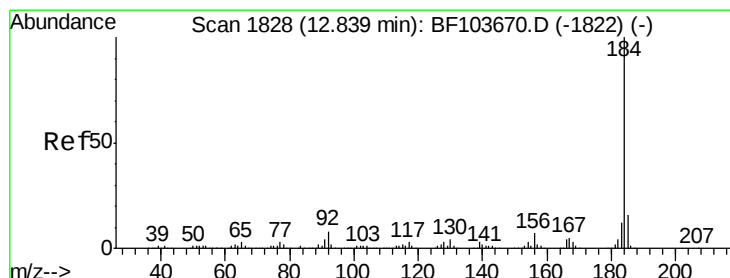
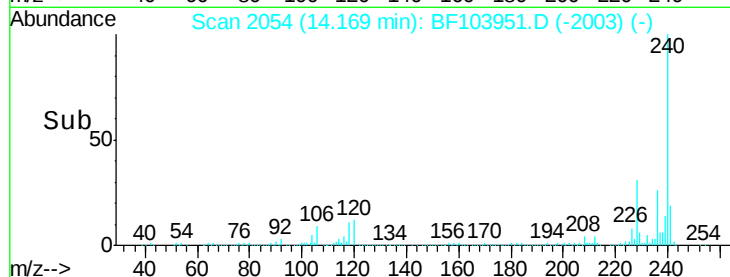
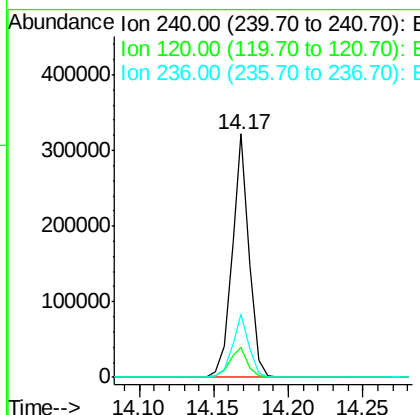
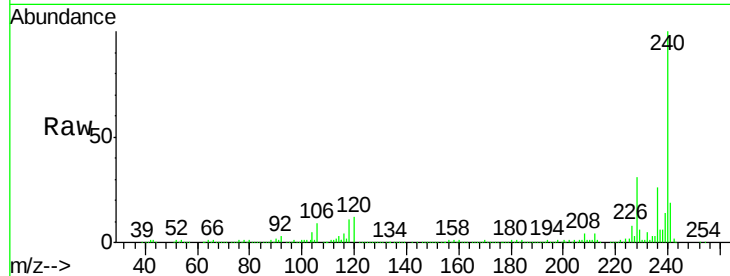
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.17 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampleId :
PF-01MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.5	14.3
236	26.1	20.7	31.1

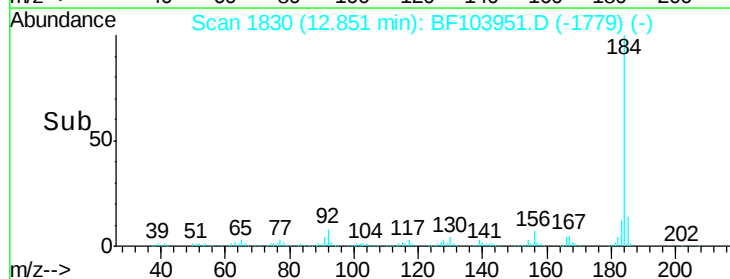
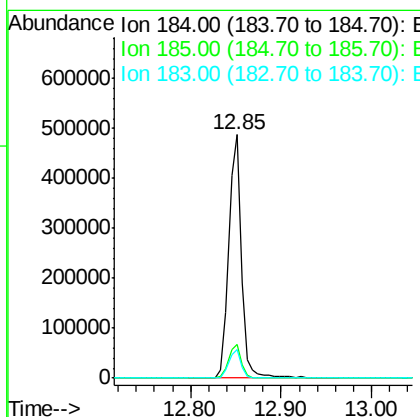
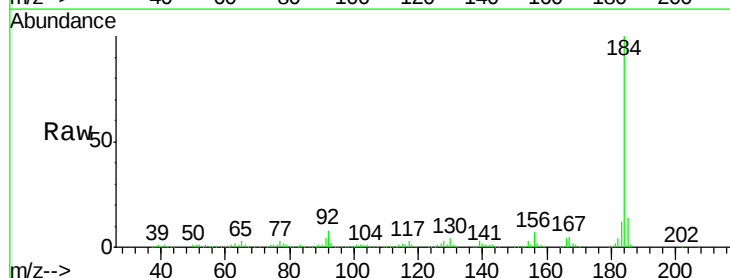
Manual Integrations
APPROVED

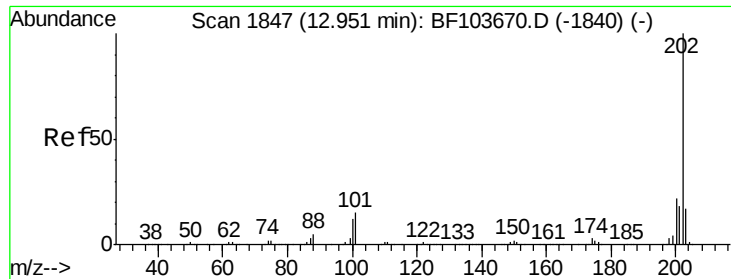
Sohil
3/27/2018 2:16:07 PM



#76
Benzidine
Concen: 42.891 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.0	12.6	18.8
183	11.7	9.3	13.9





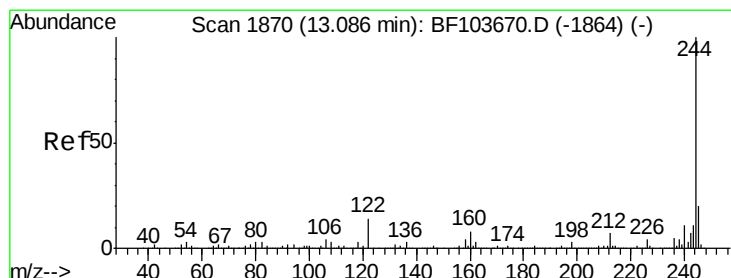
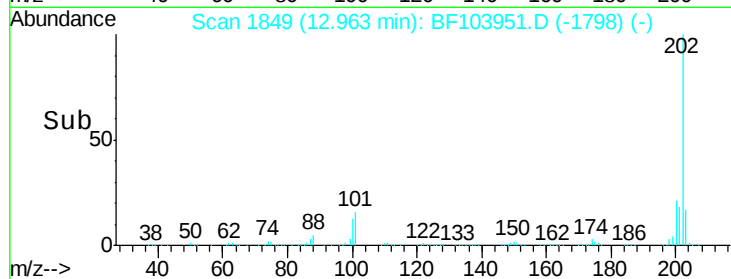
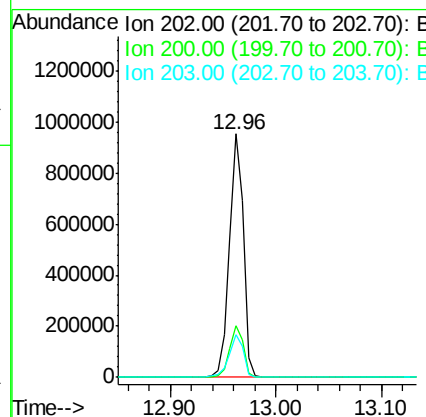
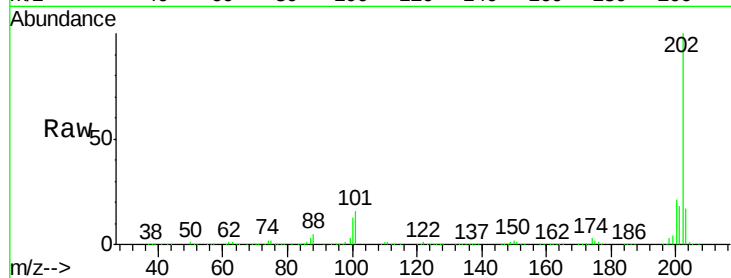
#77
Pvrene
Concen: 46.303 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampleId :
PF-01MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.5	14.3	21.5

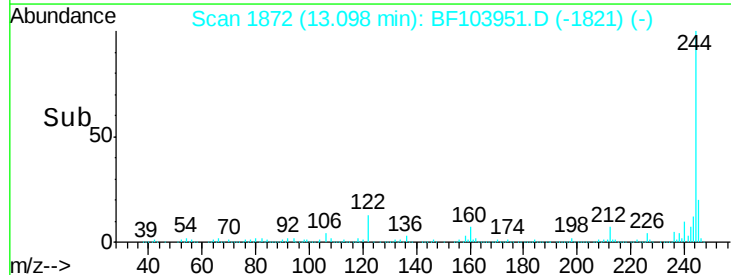
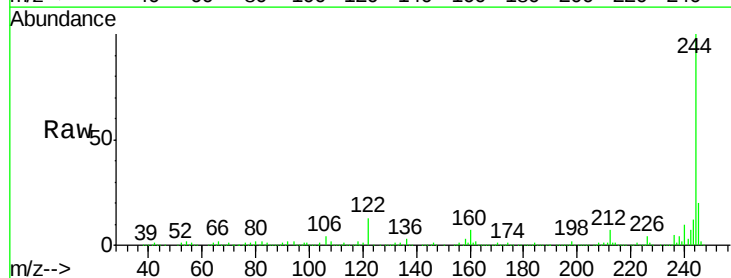
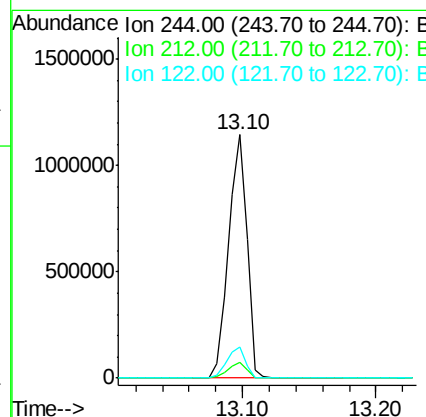
Manual Integrations
APPROVED

Sohil
3/27/2018 2:16:07 PM



#78
Terphenyl-d14
Concen: 101.095 ng
RT: 13.10 min Scan# 1872
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.7	11.0	16.4





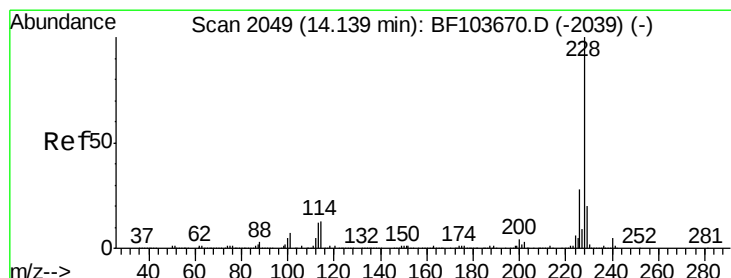
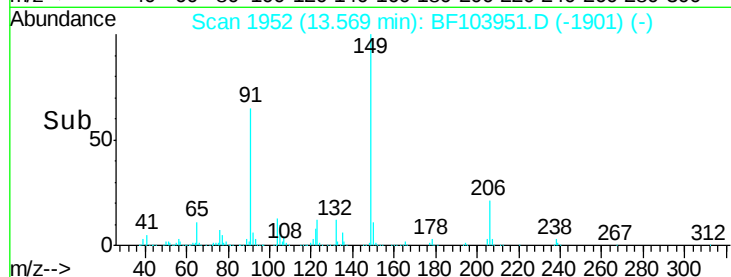
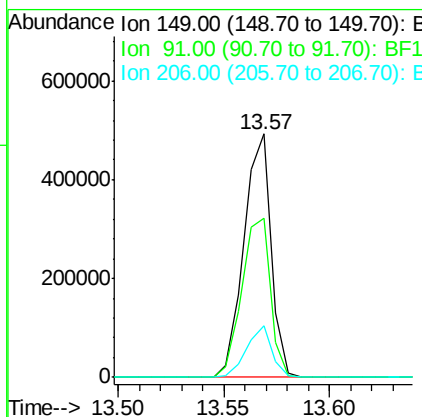
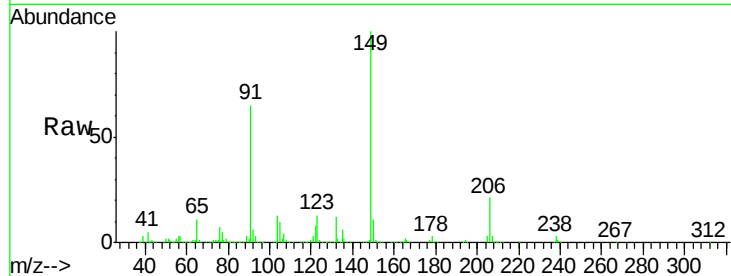
#79
Butylbenzylphthalate
Concen: 52.614 ng
RT: 13.57 min Scan# 1952
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampleId :
PF-01MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	65.1	56.8	85.2
206	21.0	14.1	21.1

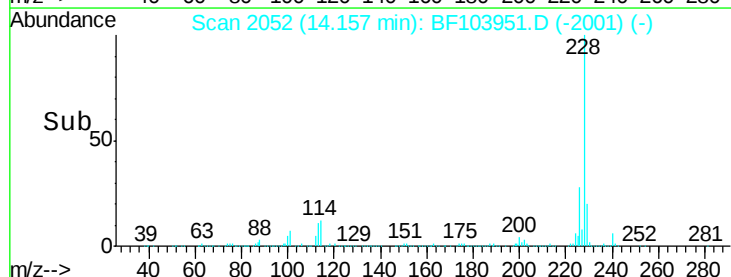
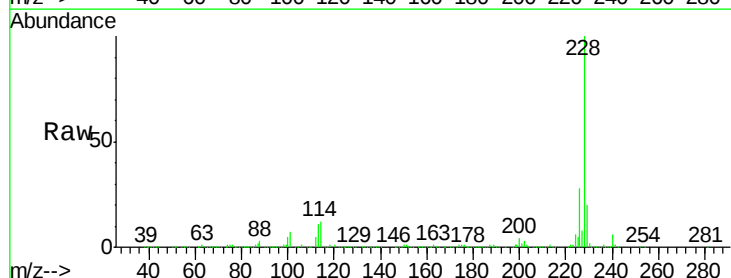
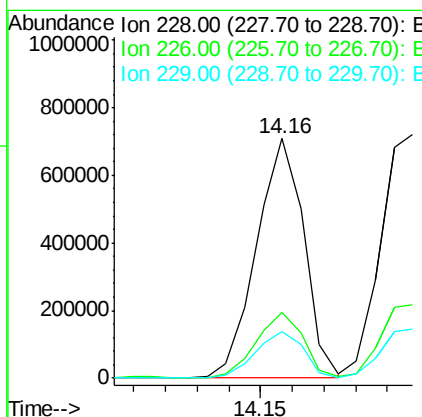
Manual Integrations
APPROVED

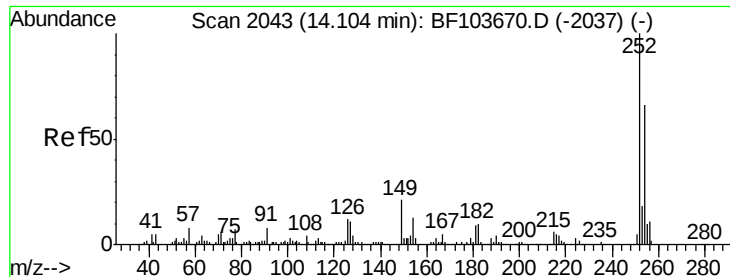
Sohil
3/27/2018 2:16:07 PM



#80
Benzo(a)anthracene
Concen: 45.363 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	19.5	15.8	23.6





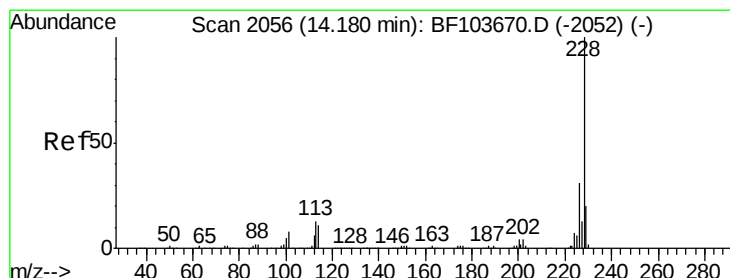
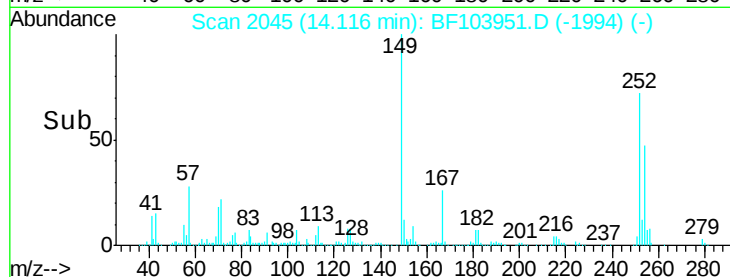
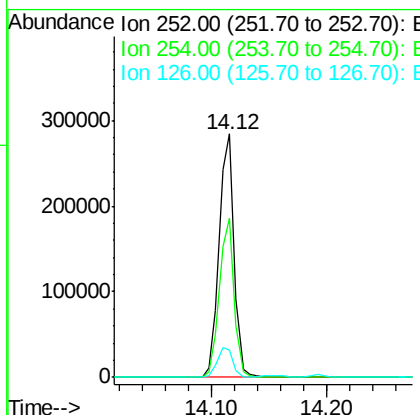
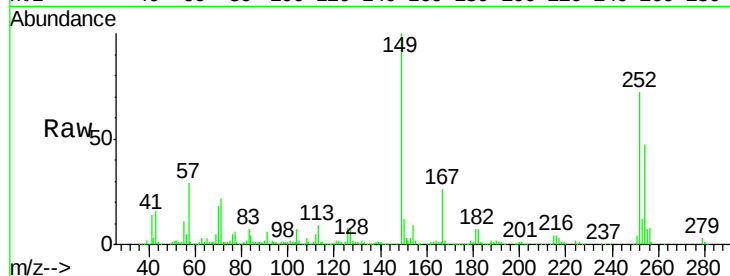
#81
 3,3'-Dichlorobenzidine
 Concen: 47.350 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Instrument :
 BNA_F
 ClientSampleId :
 PF-01MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	65.2	50.4	75.6
126	11.0	11.3	16.9

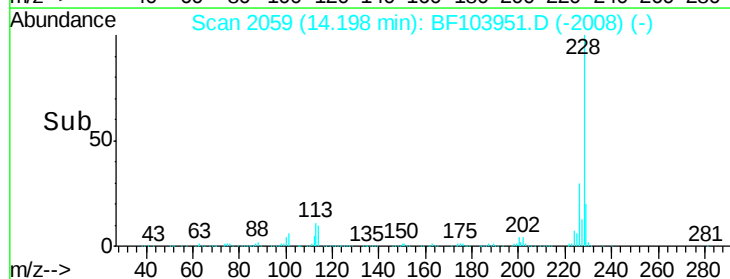
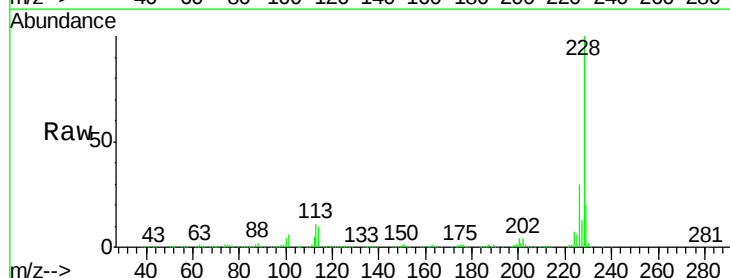
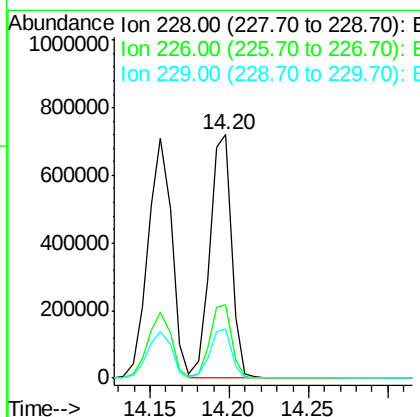
Manual Integrations
 APPROVED

Sohil
 3/27/2018 2:16:07 PM



#82
 Chrysene
 Concen: 44.310 ng
 RT: 14.20 min Scan# 2059
 Delta R.T. 0.00 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.0	25.0	37.6
229	20.1	16.2	24.4





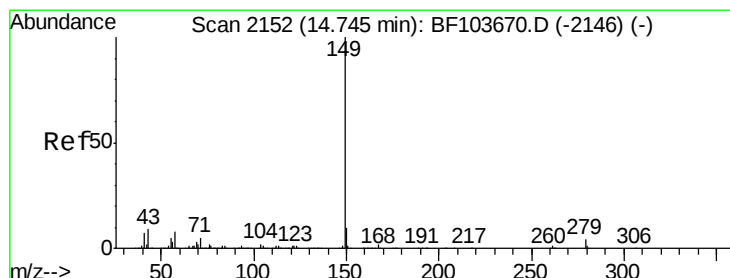
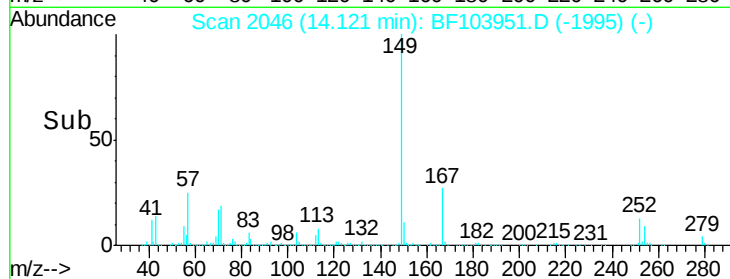
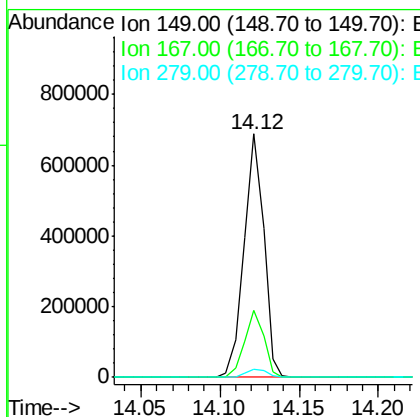
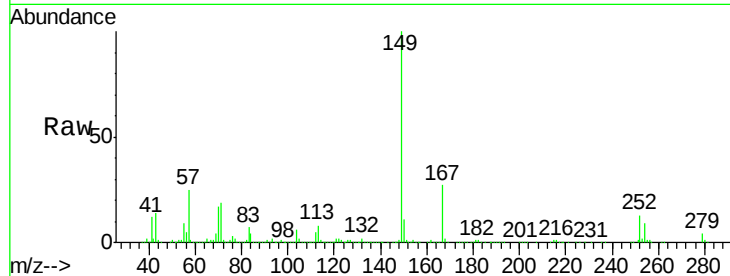
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 49.864 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Instrument :
 BNA_F
 ClientSampleId :
 PF-01MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.3	31.9
279	3.5	3.0	4.4

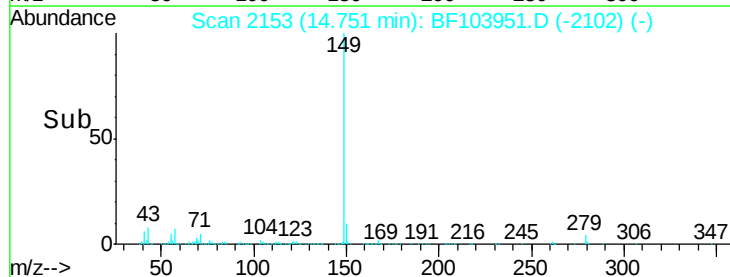
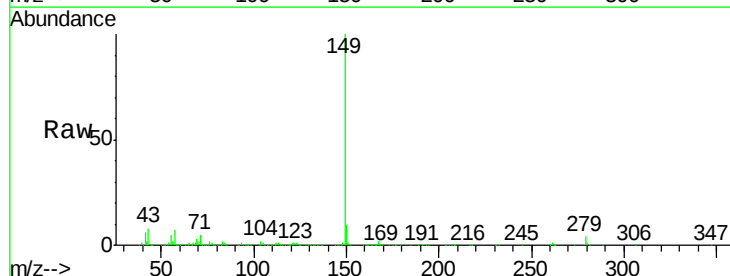
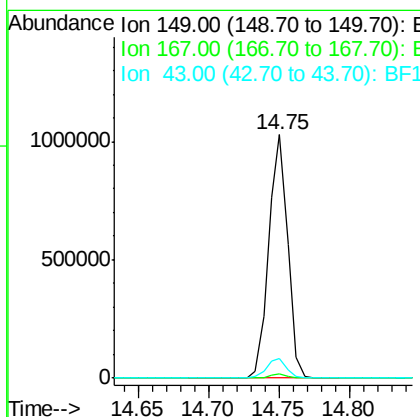
Manual Integrations
 APPROVED

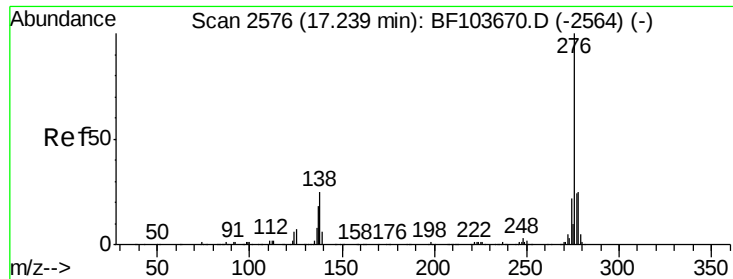
Sohil
 3/27/2018 2:16:07 PM



#84
 Di-n-octyl phthalate
 Concen: 56.092 ng
 RT: 14.75 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.1	8.4	12.6#





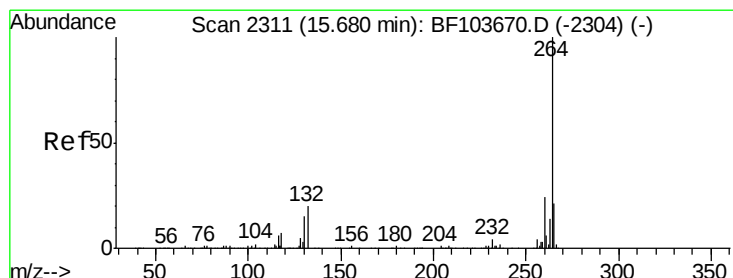
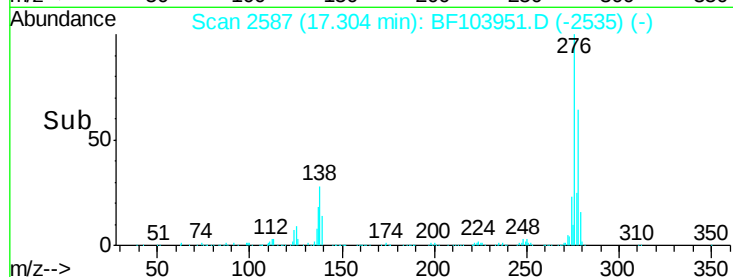
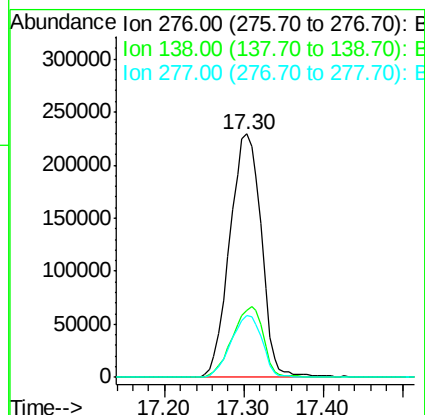
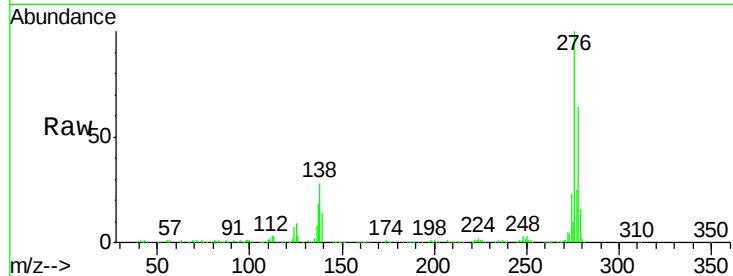
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 46.654 ng
 RT: 17.30 min Scan# 2587
 Delta R.T. 0.01 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Instrument :
 BNA_F
 ClientSampleId :
 PF-01MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.7	25.0	37.6
277	25.3	20.1	30.1

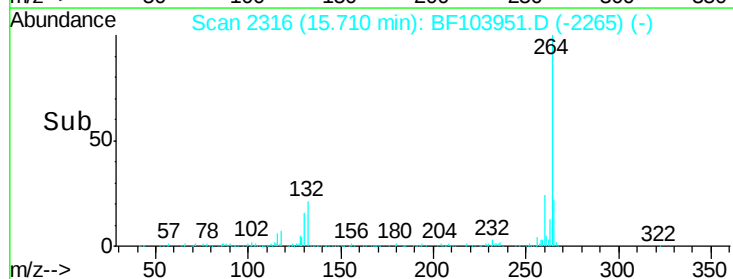
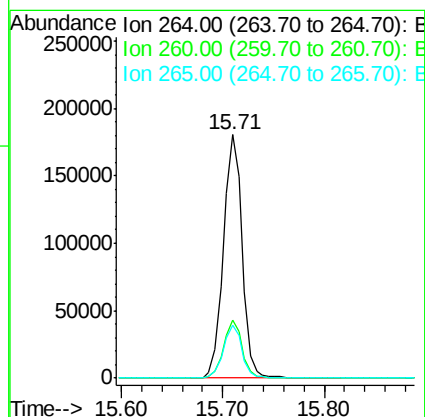
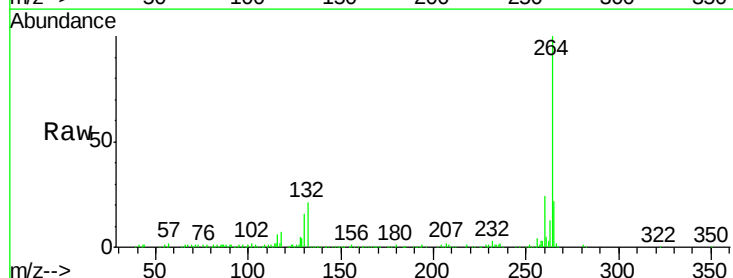
Manual Integrations
 APPROVED

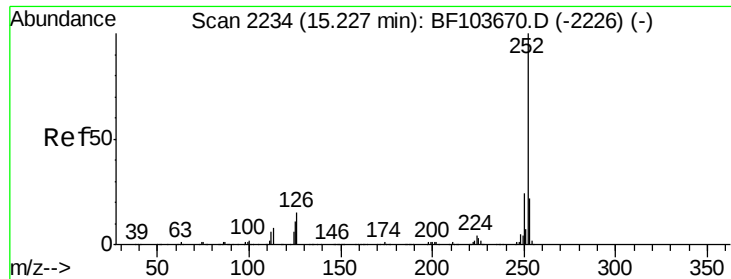
Sohil
 3/27/2018 2:16:07 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.71 min Scan# 2316
 Delta R.T. 0.00 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.7	17.5	26.3





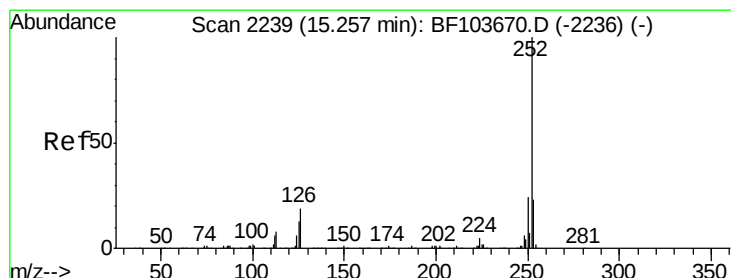
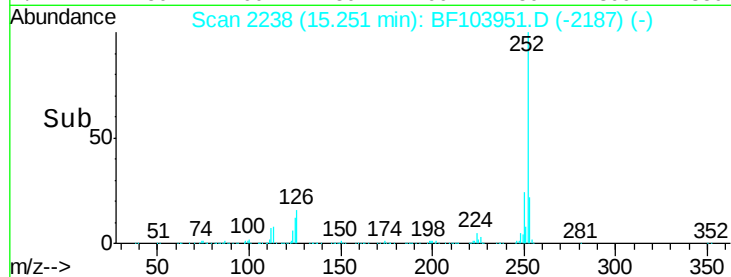
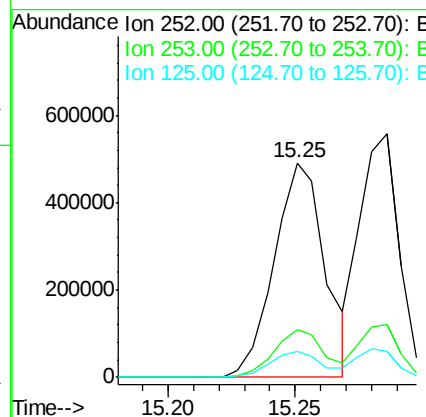
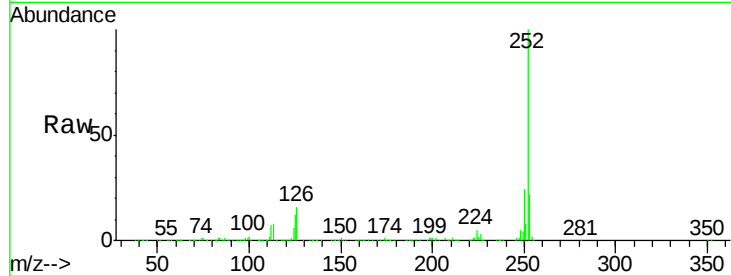
#87
Benzo(b)fluoranthene
Concen: 47.153 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampleId :
PF-01MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	12.1	9.0	13.6

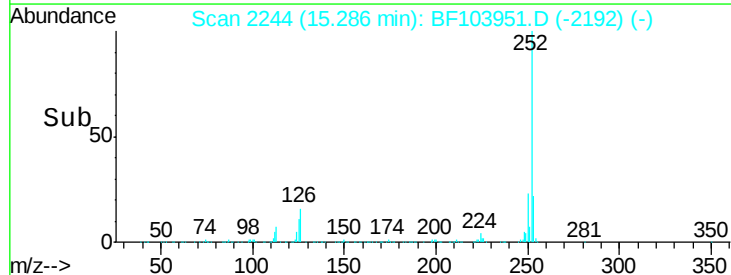
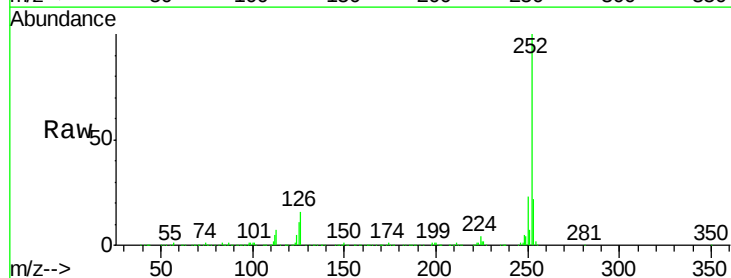
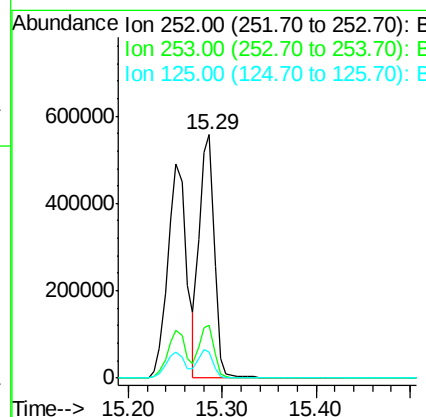
Manual Integrations
APPROVED

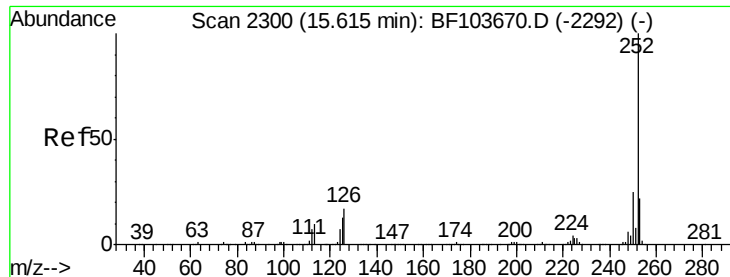
Sohil
3/27/2018 2:16:07 PM



#88
Benzo(k)fluoranthene
Concen: 43.637 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	10.6	10.2	15.2





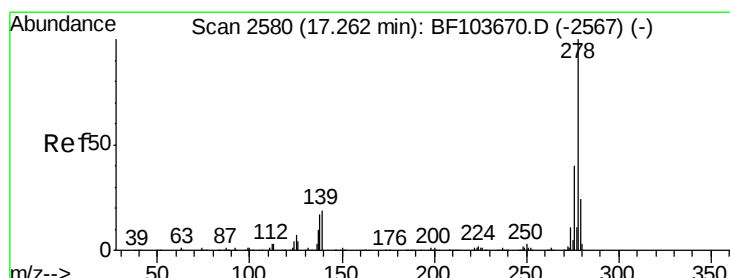
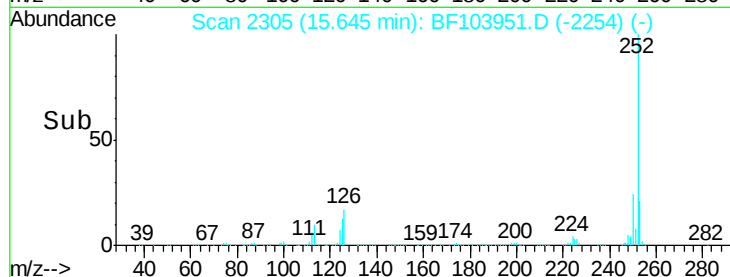
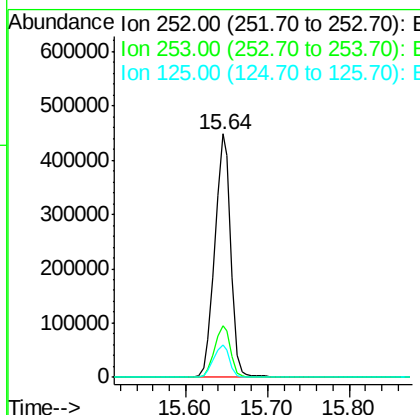
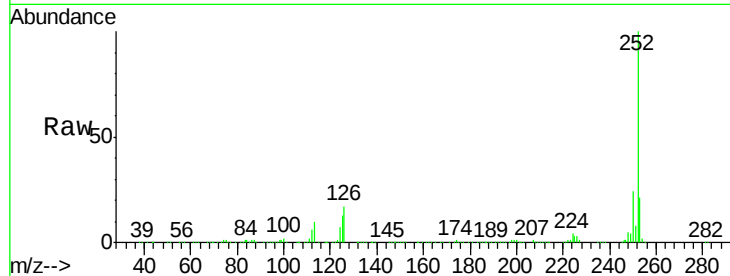
#89
Benzo(a)pyrene
Concen: 46.286 ng
RT: 15.64 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Instrument :
BNA_F
ClientSampleId :
PF-01MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	13.4	9.8	14.6

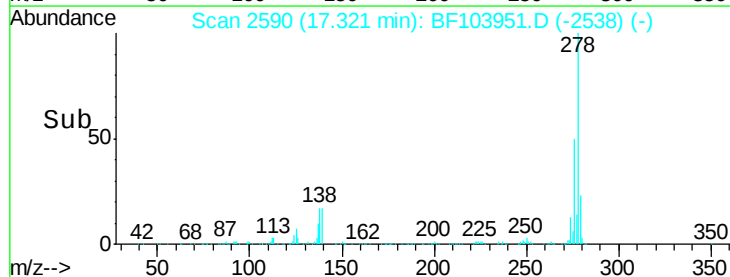
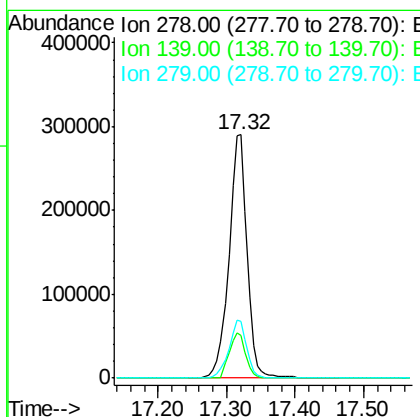
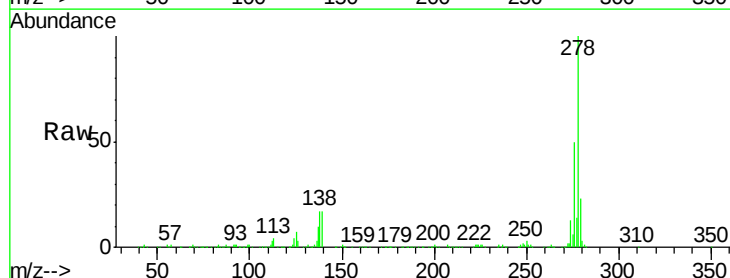
Manual Integrations
APPROVED

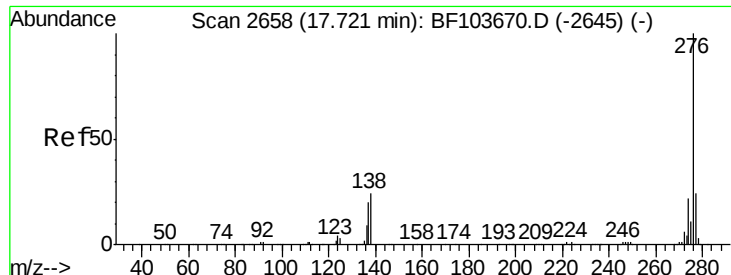
Sohil
3/27/2018 2:16:07 PM



#90
Dibenzo(a,h)anthracene
Concen: 46.768 ng
RT: 17.32 min Scan# 2590
Delta R.T. 0.01 min
Lab File: BF103951.D
Acq: 27 Mar 2018 2:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.4	15.9	23.9
279	23.3	19.0	28.4





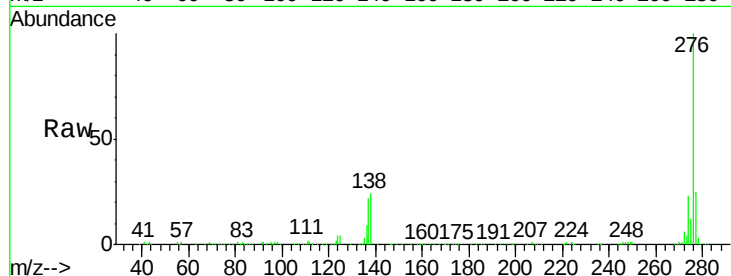
#91
 Benzo(a,h,i)perylene
 Concen: 45.895 ng
 RT: 17.79 min Scan# 2669
 Delta R.T. 0.01 min
 Lab File: BF103951.D
 Acq: 27 Mar 2018 2:54

Instrument :
 BNA_F
 ClientSampleId :
 PF-01MSD

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.5	17.9	26.9
138	24.4	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 3/27/2018 2:16:07 PM



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

