

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\
 Data File : BF111258.D
 Acq On : 10 Dec 2018 22:36
 Operator : JU/SJ
 Sample : J6237-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2MSD

Manual Integrations
 APPROVED

Sohil
 12/11/2018 2:23:42 PM

Quant Time: Dec 11 11:29:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	517254	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1955643	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	754952	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1079160	20.00	ng	0.00
76) Chrysene-d12	13.96	240	728171	20.00	ng	0.00
87) Perylene-d12	15.40	264	582470	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	3389951	103.49	ng	0.02
7) Phenol-d6	6.44	99	4347881	106.80	ng	0.00
23) Nitrobenzene-d5	7.37	82	2735373	78.45	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	612402	91.57	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	3664857	84.12	ng	0.00
79) Terphenyl-d14	12.91	244	2473281	81.47	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	443780	26.404	ng	99
3) Pyridine	3.33	79	1268405	28.407	ng	99
4) n-Nitrosodimethylamine	3.26	42	675541	35.485	ng	98
6) Aniline	6.46	93	476041	8.771	ng	# 58
8) 2-Chlorophenol	6.59	128	1236413	33.207	ng	98
9) Benzaldehyde	6.35	77	581887	21.555	ng	98
10) Phenol	6.46	94	1721937	36.175	ng	94
11) bis(2-Chloroethyl)ether	6.54	93	1306161	35.481	ng	98
12) 1,3-Dichlorobenzene	6.75	146	1281798	32.039	ng	99
13) 1,4-Dichlorobenzene	6.82	146	1291014	31.959	ng	98
14) 1,2-Dichlorobenzene	6.97	146	1194713	31.709	ng	99
15) Benzyl Alcohol	6.95	79	1068744	33.175	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.08	45	2272680	32.974	ng	100
17) 2-Methylphenol	7.06	107	1041184	34.251	ng	98
18) Hexachloroethane	7.32	117	472727	30.736	ng	94
19) n-Nitroso-di-n-propylamine	7.22	70	870651	31.927	ng	99
20) 3+4-Methylphenols	7.21	107	1213357	33.557	ng	94
22) Acetophenone	7.21	105	1622549	36.261	ng	96
24) Nitrobenzene	7.39	77	1288433	35.505	ng	95
25) Isophorone	7.62	82	2262771	38.103	ng	98
26) 2-Nitrophenol	7.70	139	617084	34.225	ng	95
27) 2,4-Dimethylphenol	7.74	122	1085325	38.955	ng	96
28) bis(2-Chloroethoxy)methane	7.83	93	1503965	36.572	ng	99
29) 2,4-Dichlorophenol	7.95	162	961251	33.742	ng	99
30) 1,2,4-Trichlorobenzene	8.03	180	955648	34.055	ng	99
31) Naphthalene	8.11	128	3229429	37.837	ng	99
32) Benzoic acid	7.82	122	172979	7.508	ng	99
33) 4-Chloroaniline	8.16	127	301725	7.360	ng	97
34) Hexachlorobutadiene	8.23	225	500261	32.296	ng	99
35) Caprolactam	8.51	113	334924m	33.177	ng	
36) 4-Chloro-3-methylphenol	8.64	107	974341	33.404	ng	98
37) 2-Methylnaphthalene	8.80	142	2086039	36.812	ng	98
38) 1-Methylnaphthalene	8.90	142	1963007	35.374	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	761300	36.241	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\
 Data File : BF111258.D
 Acq On : 10 Dec 2018 22:36
 Operator : JU/SJ
 Sample : J6237-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2MSD

Manual Integrations
 APPROVED

Sohil
 12/11/2018 2:23:42 PM

Quant Time: Dec 11 11:29:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 01:15:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	221036	18.476	nq	100
43) 2,4,6-Trichlorophenol	9.08	196	561712	35.623	nq	99
44) 2,4,5-Trichlorophenol	9.12	196	564200	34.348	nq	96
46) 1,1'-Biphenyl	9.26	154	2247604	35.716	nq	97
47) 2-Chloronaphthalene	9.29	162	1749773	35.422	nq	98
48) 2-Nitroaniline	9.38	65	592198	35.143	nq	92
49) Acenaphthylene	9.70	152	2601215	36.273	nq	97
50) Dimethylphthalate	9.56	163	2241431	40.238	nq	99
51) 2,6-Dinitrotoluene	9.62	165	444764	36.154	nq	94
52) Acenaphthene	9.87	154	1739491	38.653	nq	100
53) 3-Nitroaniline	9.79	138	205923	13.562	nq	94
54) 2,4-Dinitrophenol	9.89	184	205578	42.289	nq	94
55) Dibenzofuran	10.05	168	2232837	36.470	nq	100
56) 4-Nitrophenol	9.95	139	669929	56.649	nq	94
57) 2,4-Dinitrotoluene	10.02	165	540639	35.649	nq	94
58) Fluorene	10.39	166	1634299	34.495	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.16	232	407577	32.735	nq	99
60) Diethylphthalate	10.26	149	1848151	34.800	nq	99
61) 4-Chlorophenyl-phenylether	10.38	204	719791	30.599	nq	97
62) 4-Nitroaniline	10.40	138	360286	25.077	nq	95
63) Azobenzene	10.54	77	1757461	31.875	nq	96
65) 4,6-Dinitro-2-methylphenol	10.43	198	163355	26.031	nq	92
66) n-Nitrosodiphenylamine	10.50	169	1491465	40.600	nq	100
67) 4-Bromophenyl-phenylether	10.87	248	416770	35.260	nq	93
68) Hexachlorobenzene	10.94	284	393349	32.714	nq	# 91
69) Atrazine	11.03	200	413245	36.993	nq	98
70) Pentachlorophenol	11.13	266	467231	53.566	nq	97
71) Phenanthrene	11.35	178	2179951	40.049	nq	96
72) Anthracene	11.40	178	2073780	36.416	nq	97
73) Carbazole	11.55	167	1946783	32.694	nq	96
74) Di-n-butylphthalate	11.89	149	2380646	38.897	nq	97
75) Fluoranthene	12.53	202	2009107	40.406	nq	99
77) Benzidine	12.65	184	565024	26.133	nq	98
78) Pyrene	12.76	202	2033073	39.071	nq	98
80) Butylbenzylphthalate	13.39	149	982558	36.151	nq	96
81) Benzo(a)anthracene	13.95	228	1491850	36.723	nq	99
82) 3,3'-Dichlorobenzidine	13.91	252	319277	19.175	nq	97
83) Chrysene	13.99	228	1486917	35.504	nq	98
84) Bis(2-ethylhexyl)phthalate	13.95	149	1184085	36.663	nq	99
85) Di-n-octyl phthalate	14.56	149	2027220	37.450	nq	97
86) Indeno(1,2,3-cd)pyrene	16.82	276	1095983	32.419	nq	98
88) Benzo(b)fluoranthene	14.99	252	1233493	38.293	nq	98
89) Benzo(k)fluoranthene	15.02	252	1206773	39.847	nq	98
90) Benzo(a)pyrene	15.34	252	1126716	37.984	nq	98
91) Dibenzo(a,h)anthracene	16.84	278	917962	39.400	nq	99
92) Benzo(g,h,i)perylene	17.24	276	915182	39.240	nq	97

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

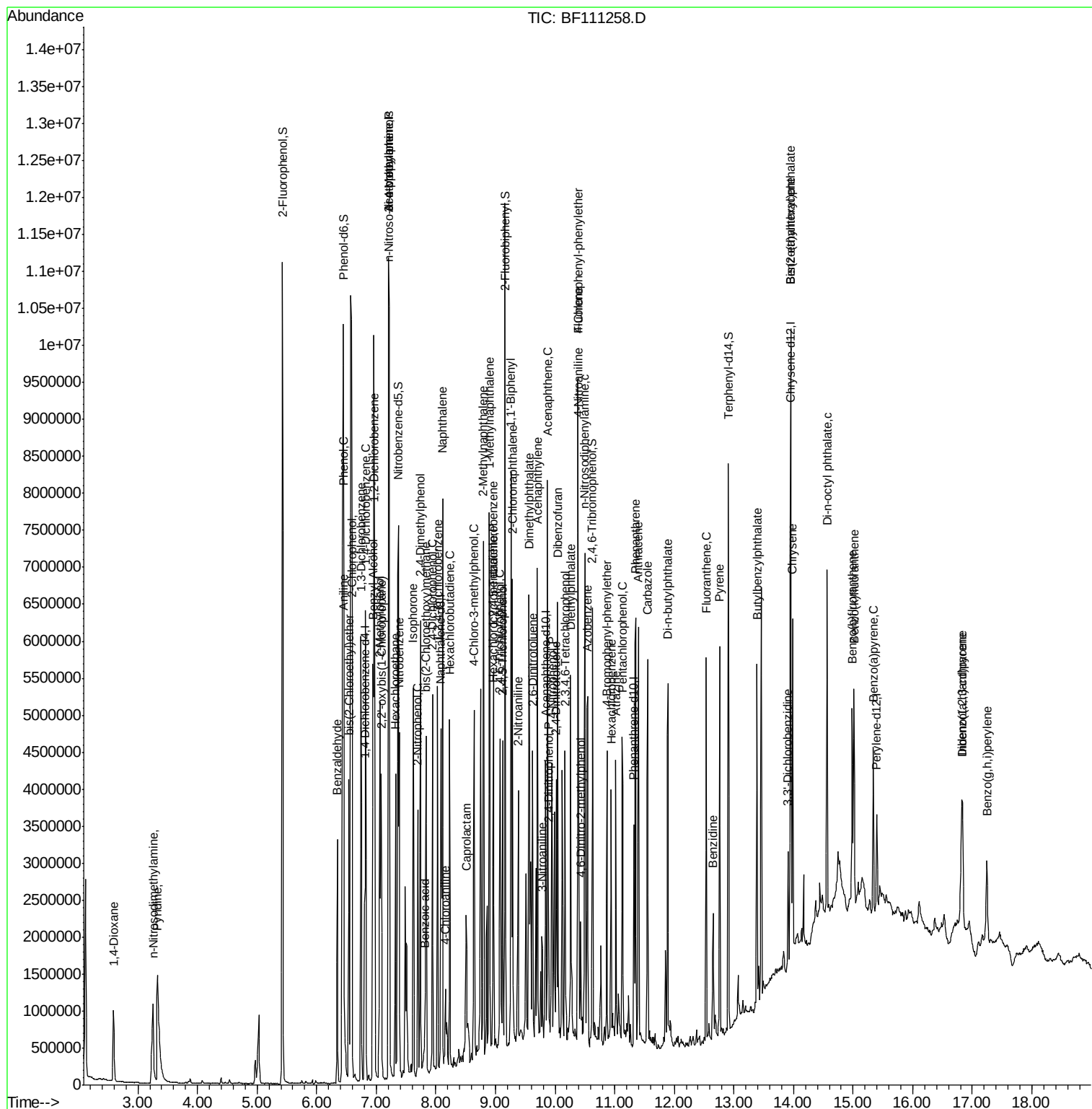
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\
Data File : BF111258.D
Acq On : 10 Dec 2018 22:36
Operator : JU/SJ
Sample : J6237-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

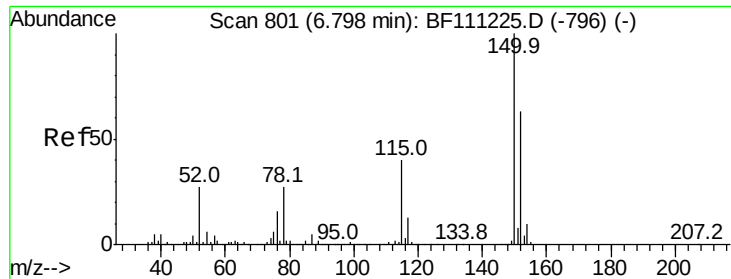
Instrument :
BNA_F
ClientSampled :
SAMPLE-2MSD

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:42 PM

Quant Time: Dec 11 11:29:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 01:15:27 2018
Response via : Initial Calibration





#1

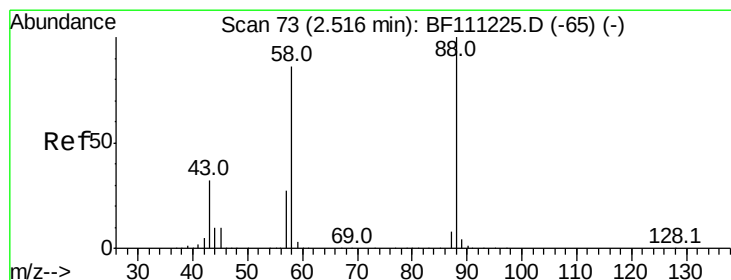
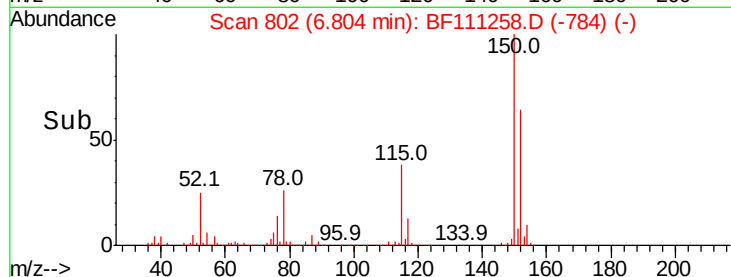
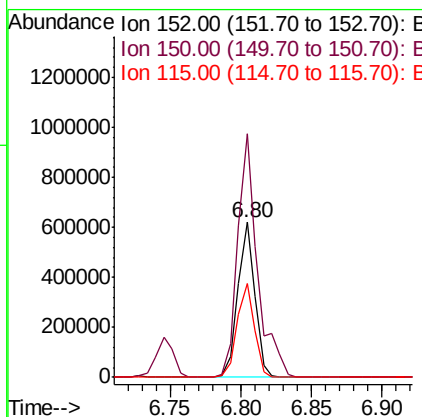
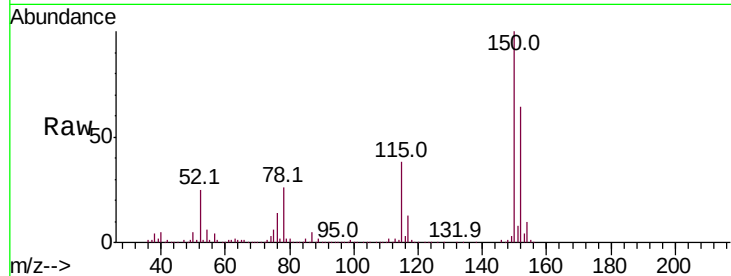
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.6	189.8
115	60.3	50.7	76.1

Manual Integrations
APPROVED

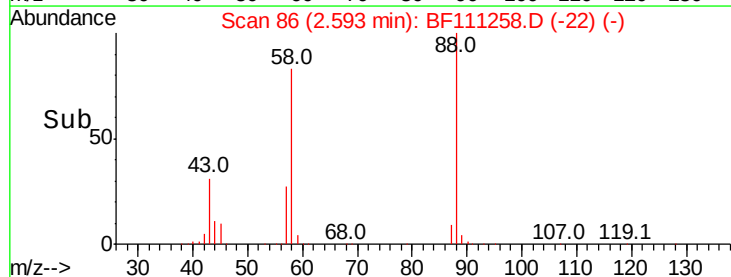
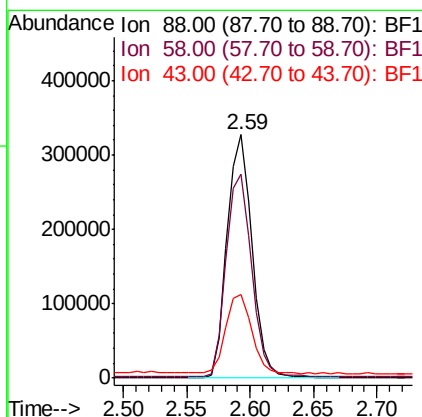
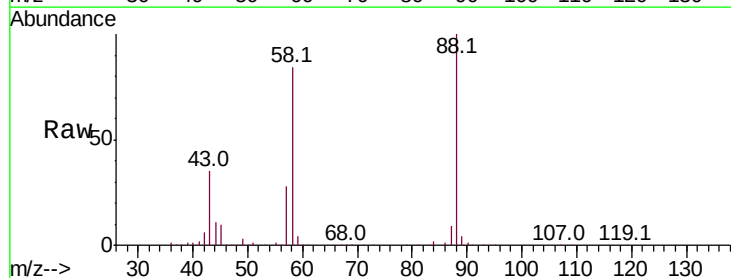
Sohil
12/11/2018 2:23:42 PM

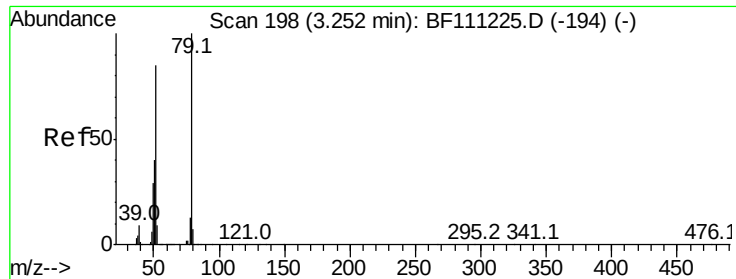


#2

1,4-Dioxane
Concen: 26.404 ng
RT: 2.59 min Scan# 86
Delta R.T. 0.08 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.9	68.9	103.3
43	33.9	25.8	38.6





#3

Pvridine

Concen: 28.407 ng

RT: 3.33 min Scan# 211

Delta R.T. 0.08 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Instrument :

BNA_F

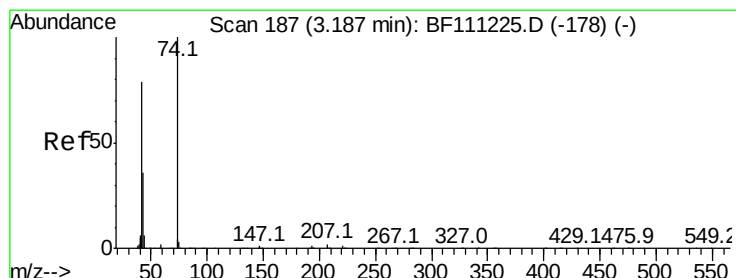
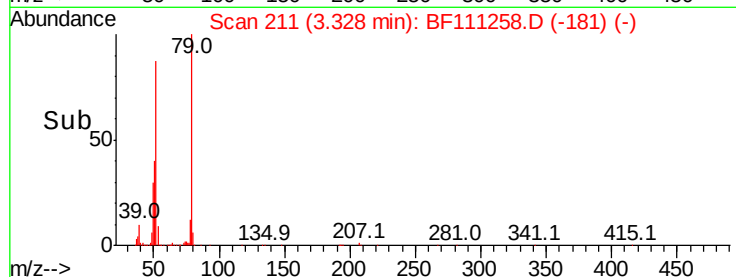
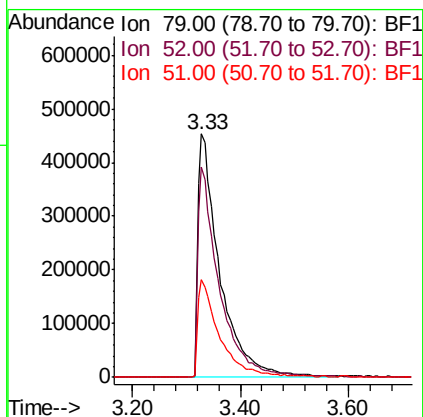
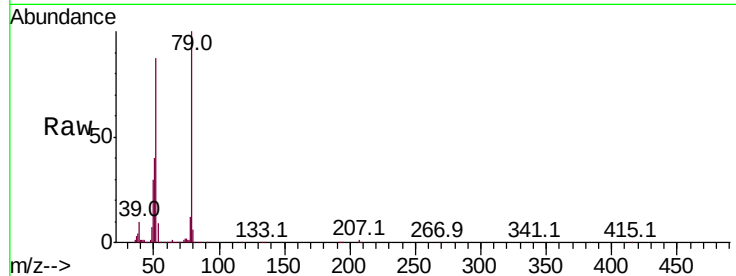
ClientSampleId :

SAMPLE-2MSD

Tot Ion:	79	Resp:	1268405
Ion	Ratio	Lower	Upper
79	100		
52	86.6	68.3	102.5
51	39.9	32.6	49.0

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:42 PM



#4

n-Nitrosodimethylamine

Concen: 35.485 ng

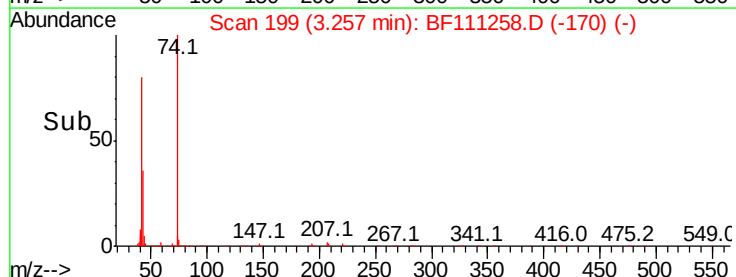
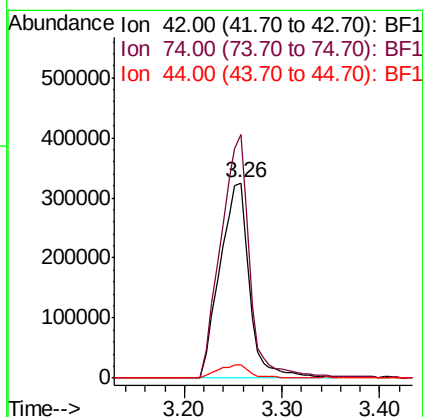
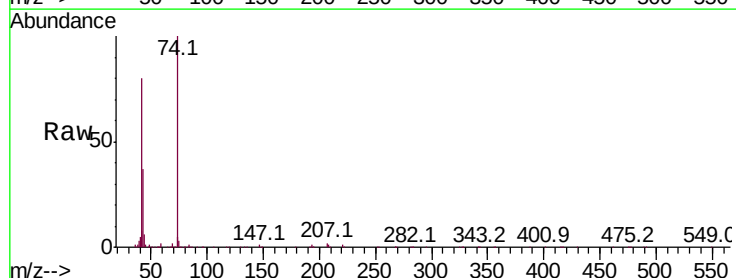
RT: 3.26 min Scan# 199

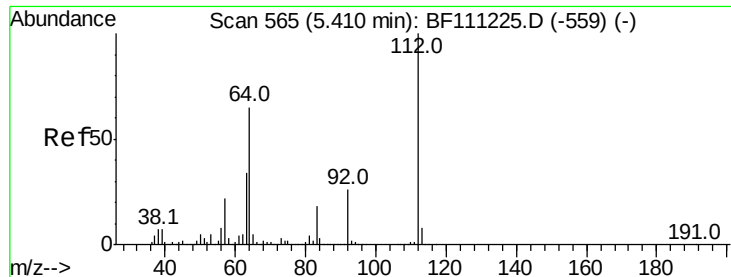
Delta R.T. 0.07 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Tgt Ion:	42	Resp:	675541
Ion	Ratio	Lower	Upper
42	100		
74	124.6	101.5	152.3
44	7.1	6.0	9.0





#5

2-Fluorophenol

Concen: 103.488 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.02 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Instrument :

BNA_F

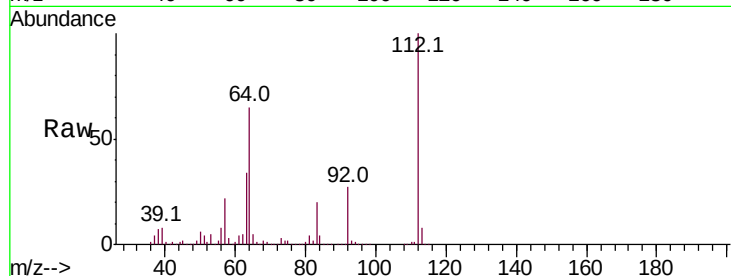
ClientSampleId :

SAMPLE-2MSD

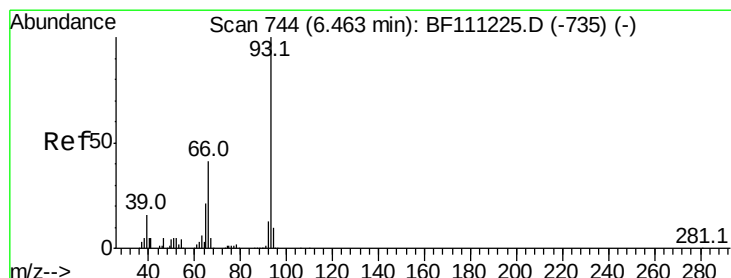
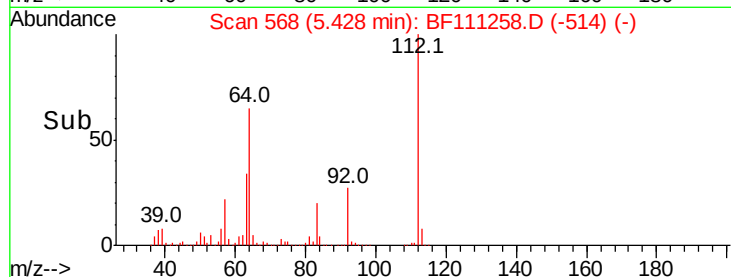
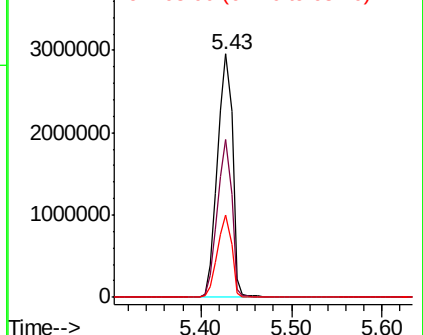
Tot Ion:	112	Resp:	3389951
Ion	Ratio	Lower	Upper
112	100		
64	64.7	51.8	77.6
63	33.7	26.8	40.2

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:42 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: 8.771 ng

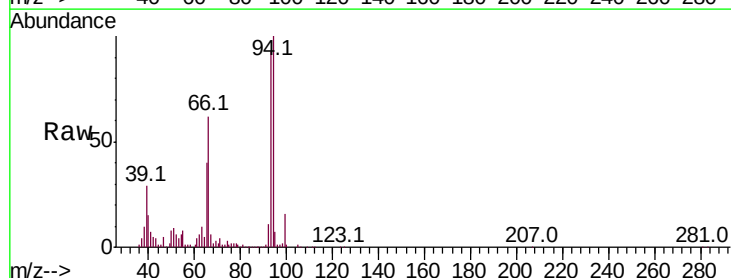
RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

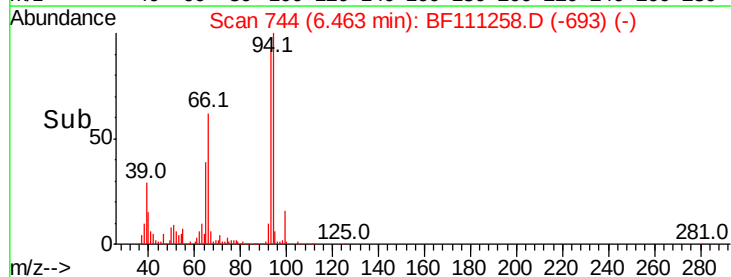
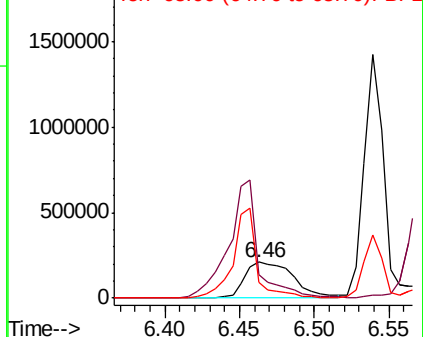
Lab File: BF111258.D

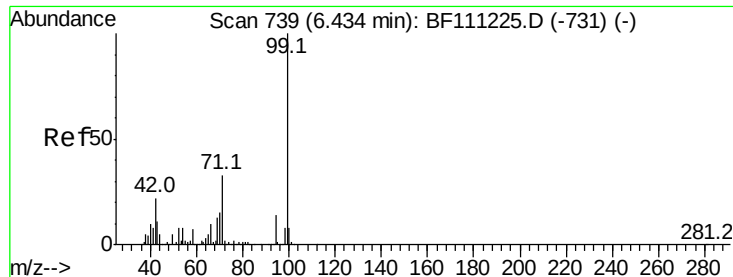
Acq: 10 Dec 2018 22:36

Tgt Ion:	93	Resp:	476041
Ion	Ratio	Lower	Upper
93	100		
66	67.0	33.2	49.8#
65	42.8	17.0	25.4#



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: 106.805 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2MSD

Tot Ion: 99 Resp: 4347881

Ion Ratio Lower Upper

99 100

42 22.8 17.4 26.0

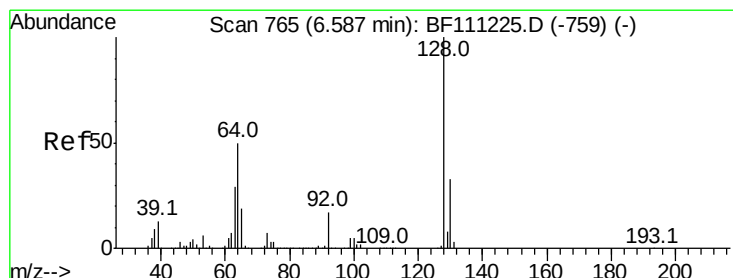
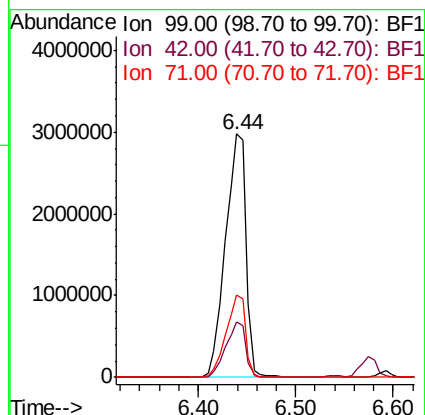
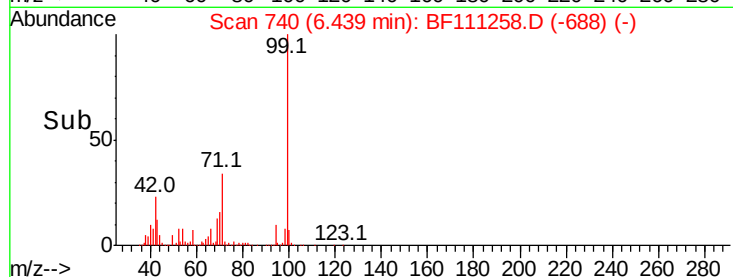
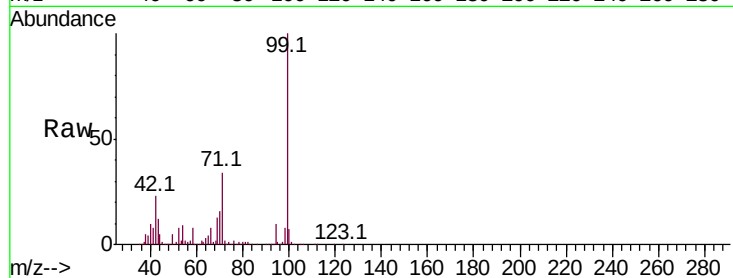
71 33.6 26.1 39.1

Manual Integrations

APPROVED

Sohil

12/11/2018 2:23:42 PM



#8

2-Chlorophenol

Concen: 33.207 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

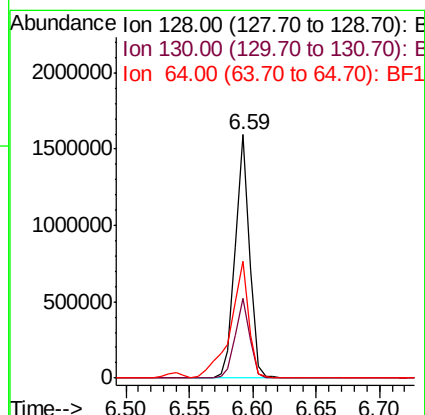
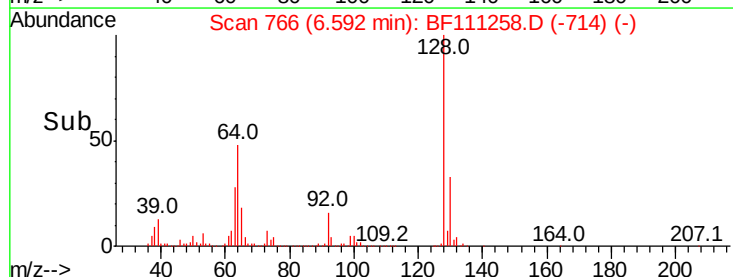
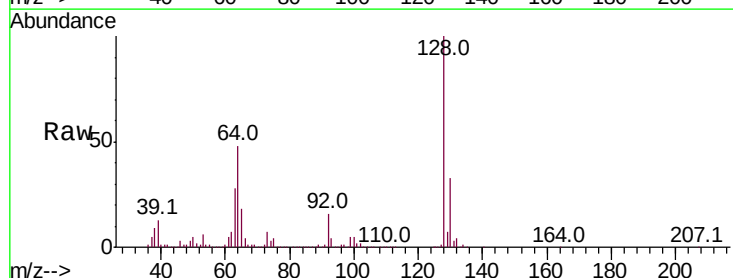
Tgt Ion:128 Resp: 1236413

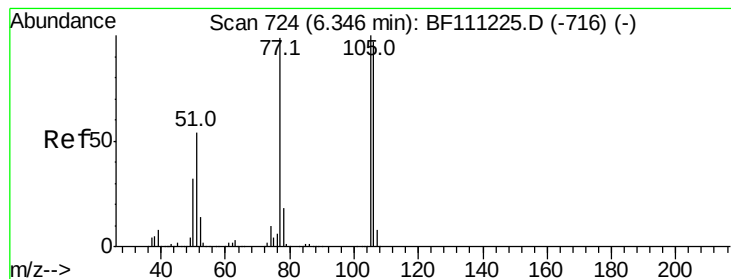
Ion Ratio Lower Upper

128 100

130 32.5 12.7 52.7

64 48.1 30.0 70.0





#9

Benzaldehyde

Concen: 21.555 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Instrument :

BNA_F

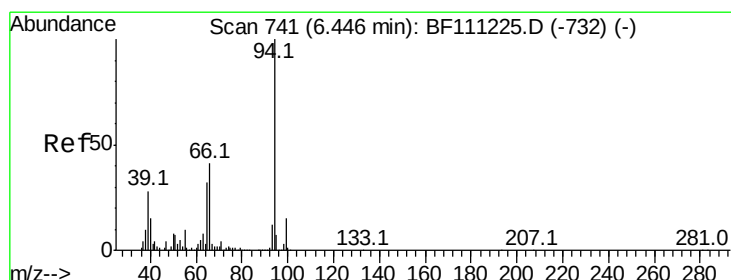
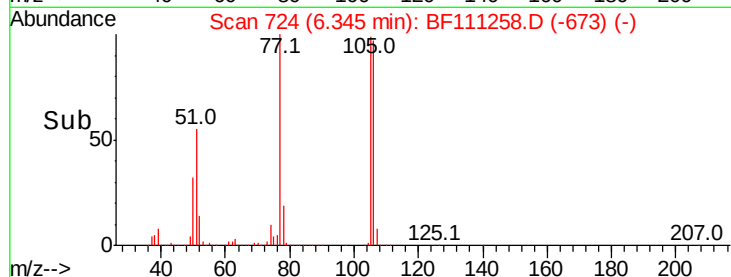
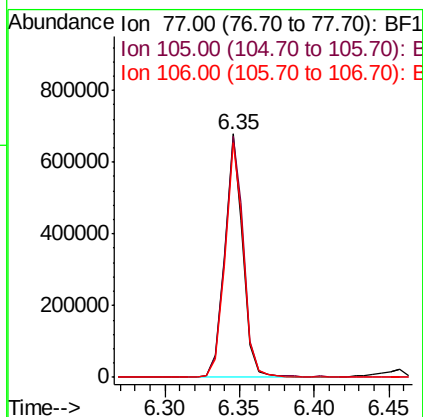
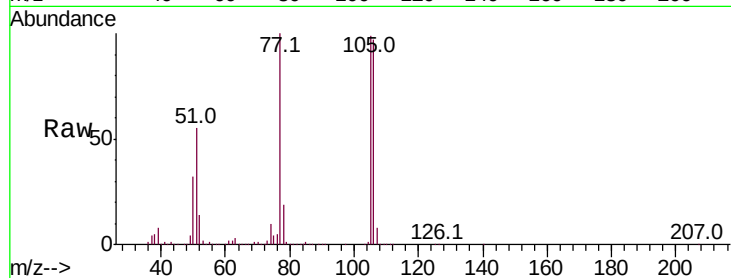
ClientSampleId :

SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	98.9	81.4	121.4
106	96.6	77.9	117.9

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:42 PM



#10

Phenol

Concen: 36.175 ng

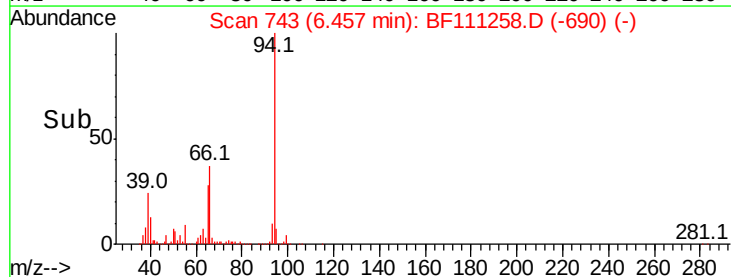
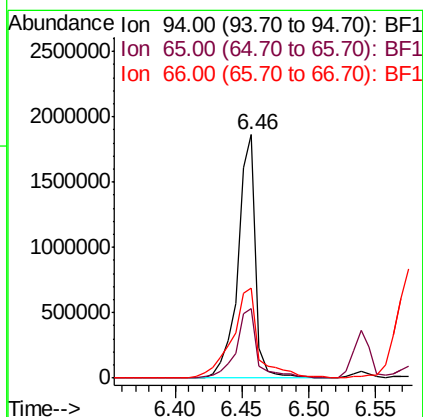
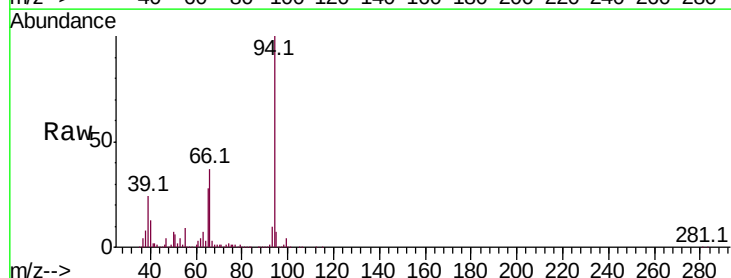
RT: 6.46 min Scan# 743

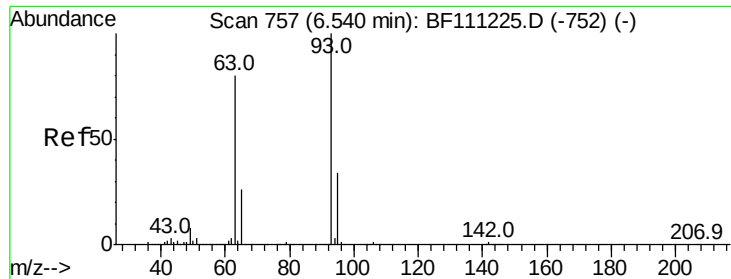
Delta R.T. 0.01 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
94	100		
65	28.4	11.7	51.7
66	37.0	21.0	61.0





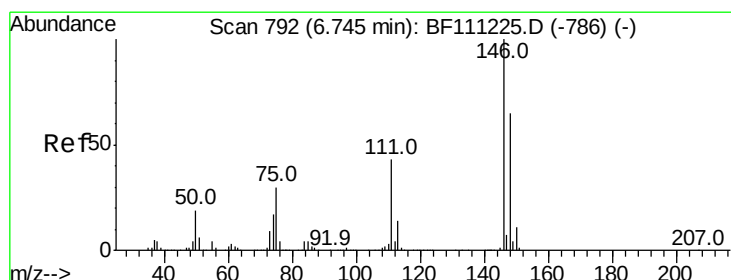
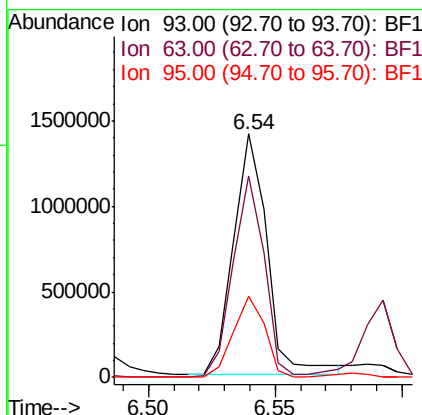
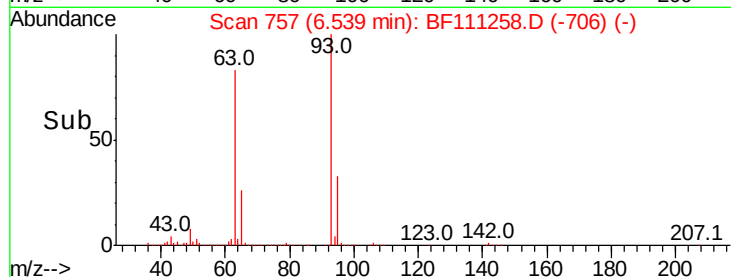
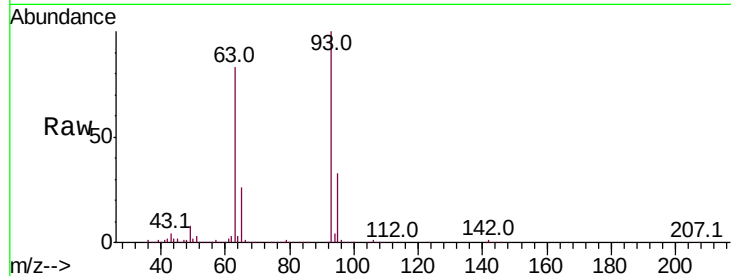
#11
bis(2-Chloroethyl)ether
Concen: 35.481 ng
RT: 6.54 min Scan# 757
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion: 93 Resp: 1306161
Ion Ratio Lower Upper
93 100
63 82.7 60.0 100.0
95 33.2 13.4 53.4

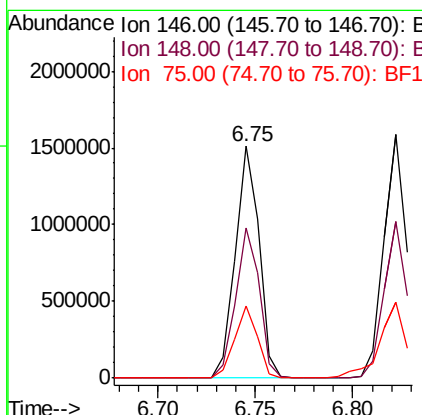
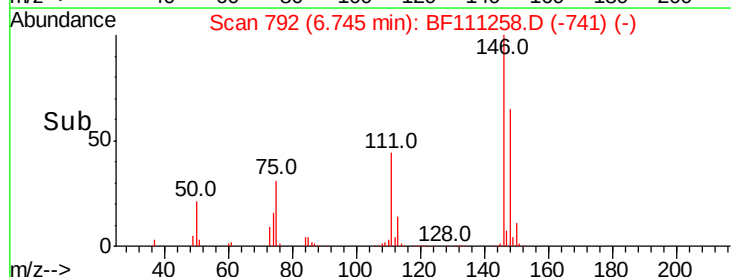
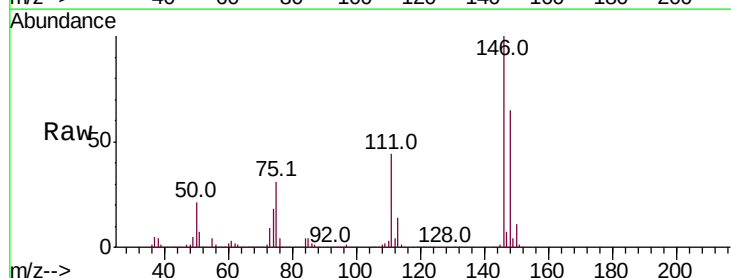
Manual Integrations
APPROVED

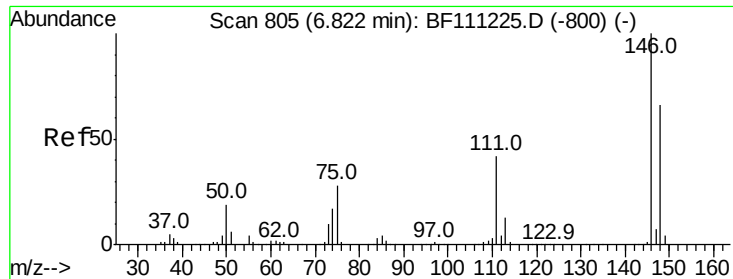
Sohil
12/11/2018 2:23:42 PM



#12
1,3-Dichlorobenzene
Concen: 32.039 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion: 146 Resp: 1281798
Ion Ratio Lower Upper
146 100
148 64.9 52.1 78.1
75 31.2 23.9 35.9





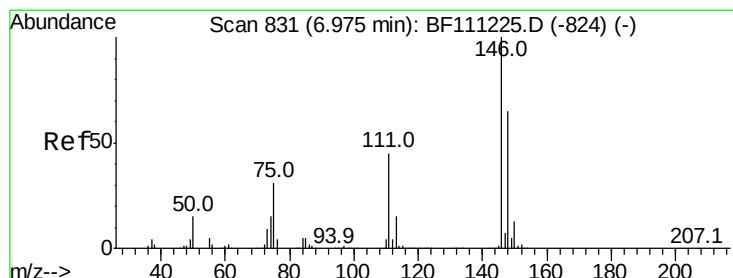
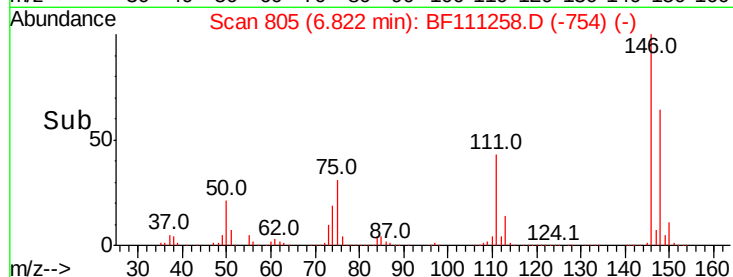
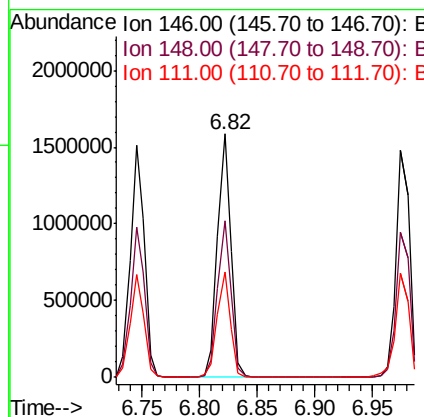
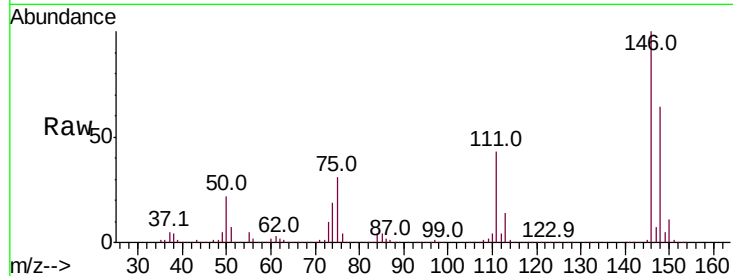
#13
 1,4-Dichlorobenzene
 Concen: 31.959 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.8	79.2
111	43.3	33.4	50.0

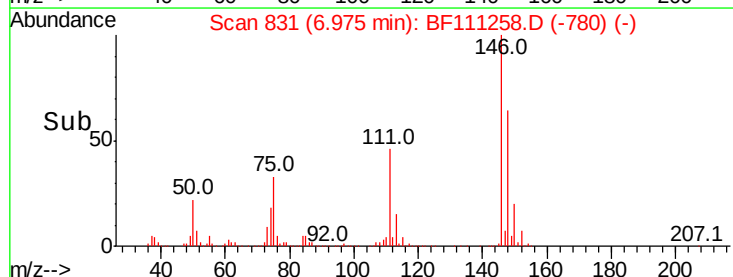
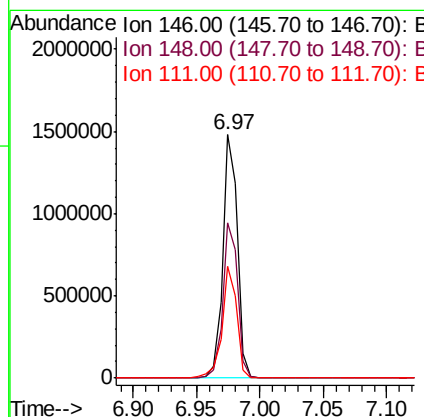
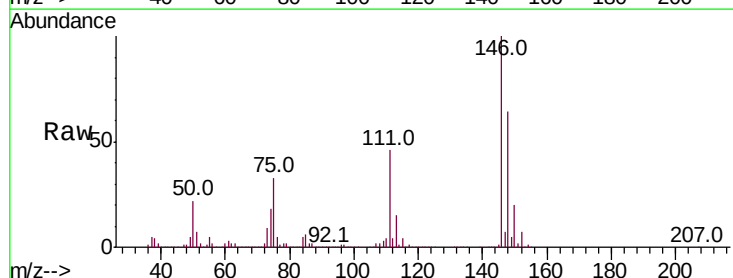
Manual Integrations
 APPROVED

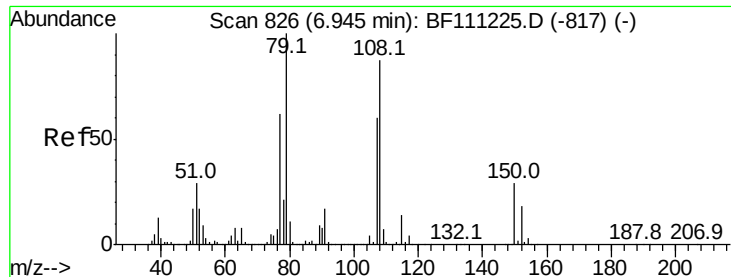
Sohil
 12/11/2018 2:23:42 PM



#14
 1,2-Dichlorobenzene
 Concen: 31.709 ng
 RT: 6.97 min Scan# 831
 Delta R.T. -0.00 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.9	77.9
111	45.9	36.2	54.4





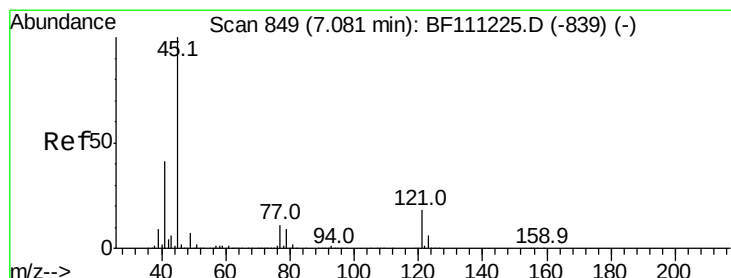
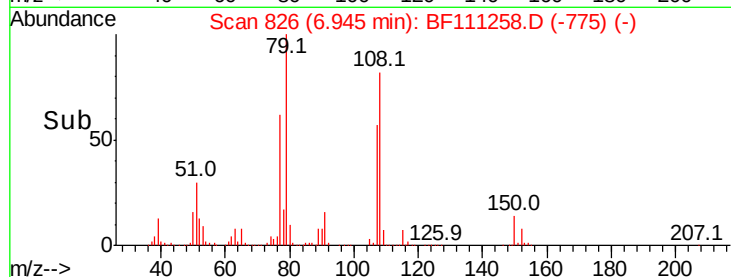
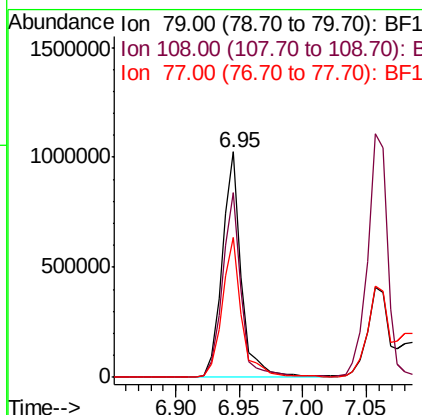
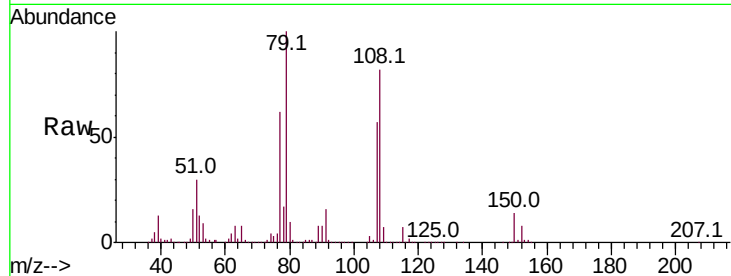
#15
Benzyl Alcohol
Concen: 33.175 ng
RT: 6.95 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampled :
SAMPLE-2MSD

Tot Ion: 79 Resp: 1068744
Ion Ratio Lower Upper
79 100
108 82.1 69.4 104.2
77 62.3 49.7 74.5

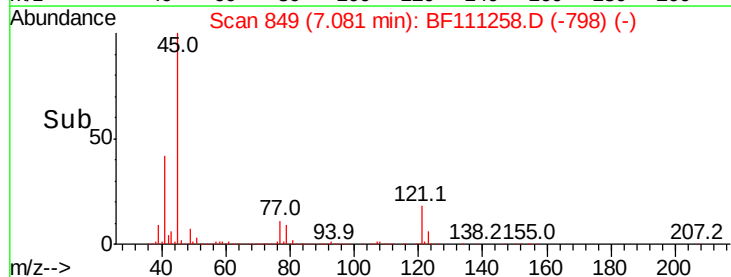
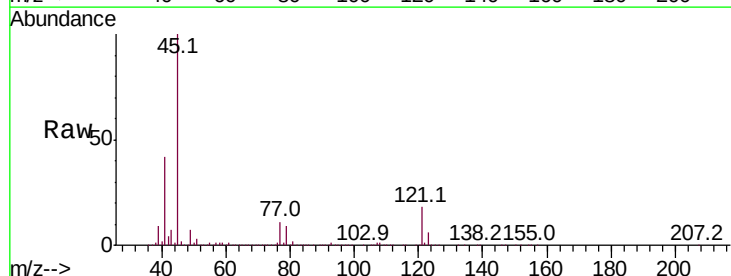
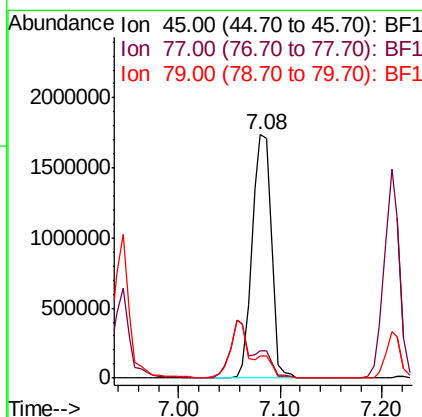
Manual Integrations
APPROVED

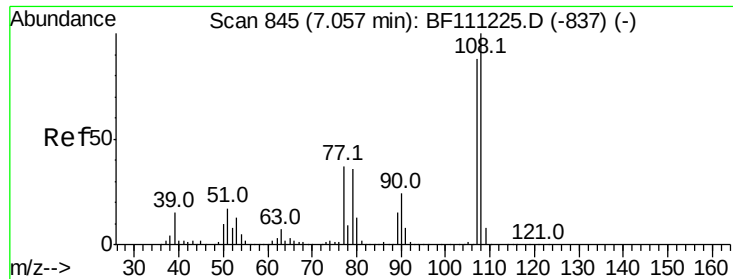
Sohil
12/11/2018 2:23:42 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 32.974 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion: 45 Resp: 2272680
Ion Ratio Lower Upper
45 100
77 11.5 0.0 31.5
79 9.0 0.0 28.9





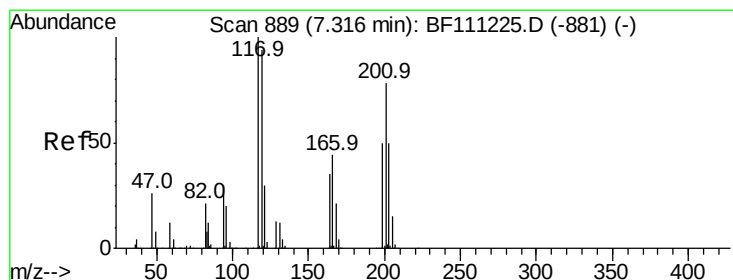
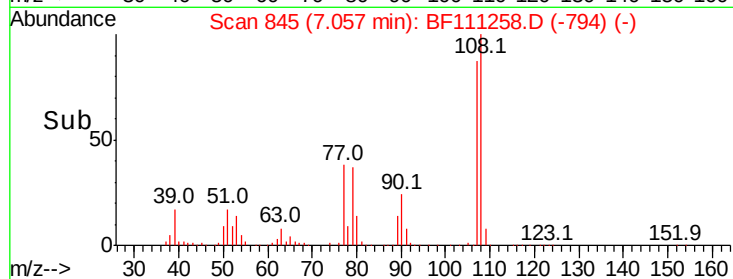
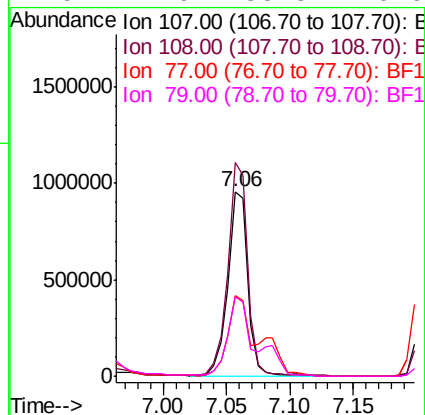
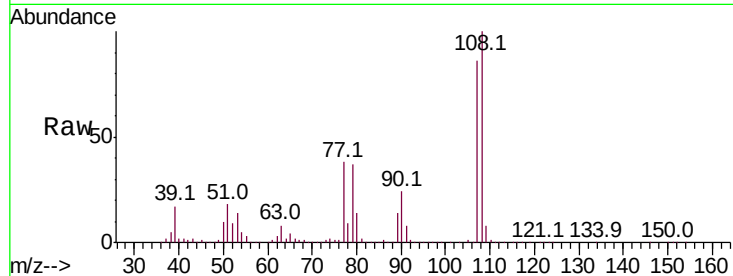
#17
2-Methylphenol
Concen: 34.251 ng
RT: 7.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	115.7	91.0	136.4
77	43.6	33.5	50.3
79	42.9	33.3	49.9

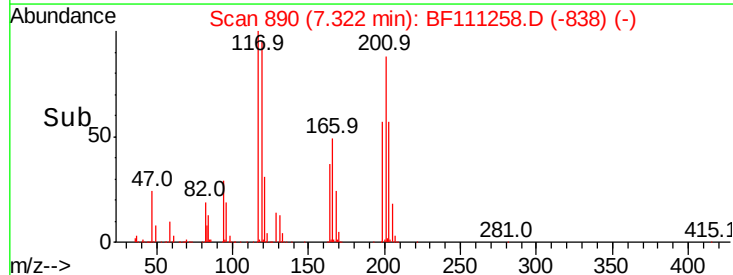
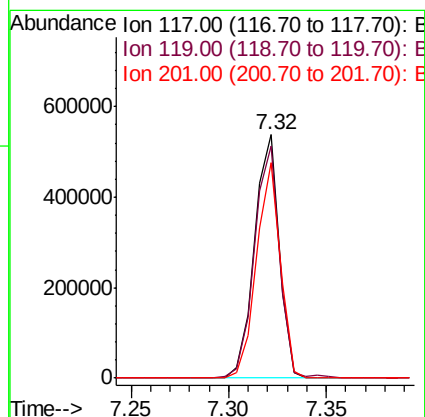
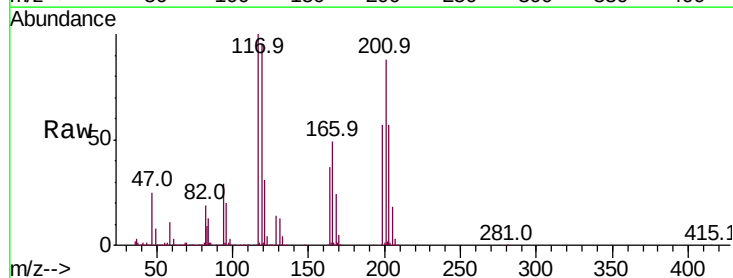
Manual Integrations
APPROVED

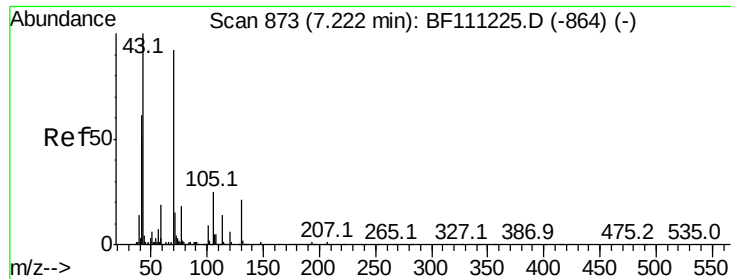
Sohil
12/11/2018 2:23:42 PM



#18
Hexachloroethane
Concen: 30.736 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.4	113.0
201	88.3	62.4	93.6





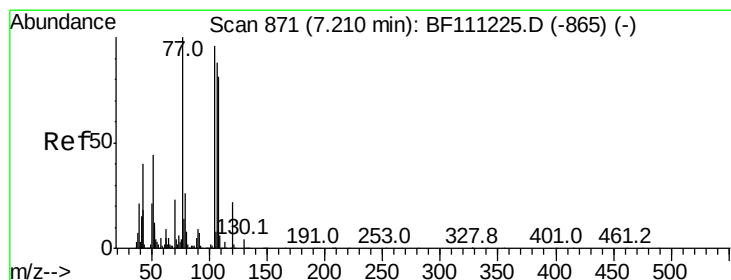
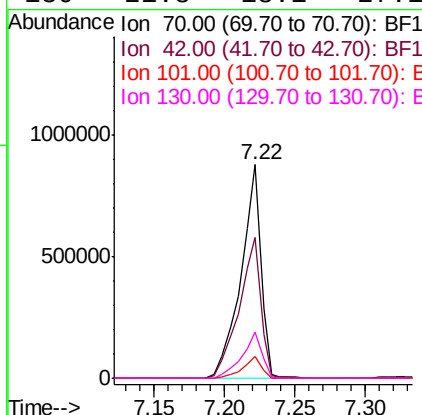
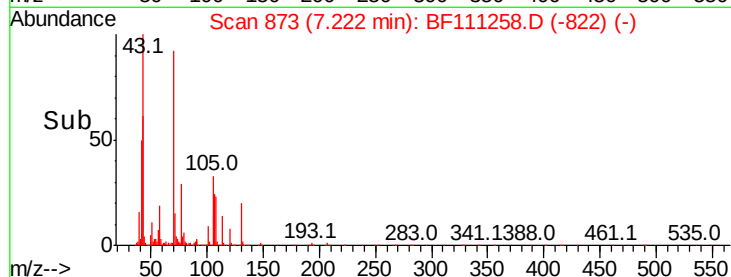
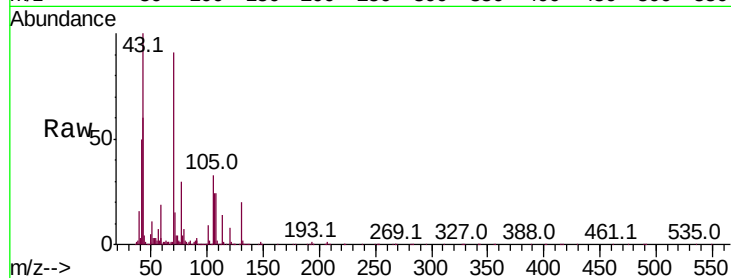
#19
n-Nitroso-di-n-propylamine
Concen: 31.927 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	66.2	53.2	79.8
101	10.0	8.2	12.4
130	21.8	18.1	27.1

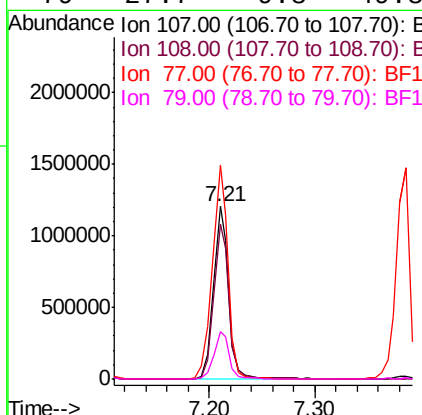
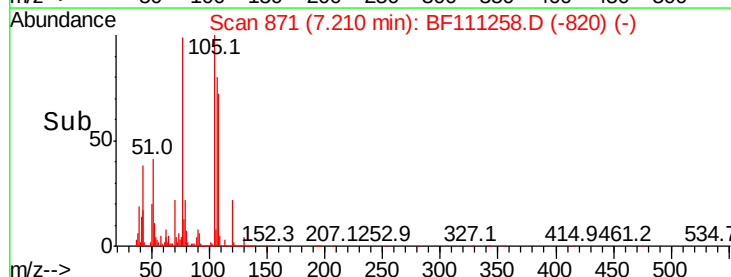
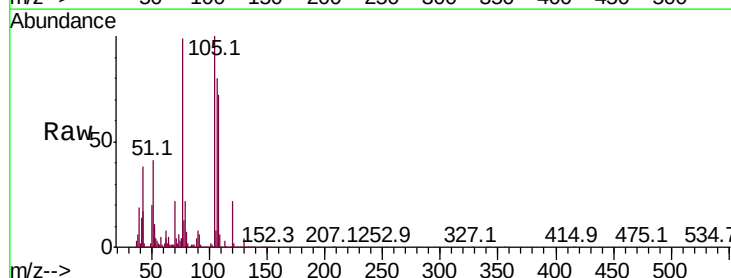
Manual Integrations
APPROVED

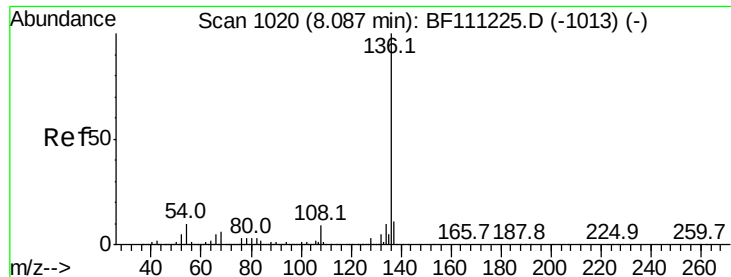
Sohil
12/11/2018 2:23:42 PM



#20
3+4-Methylphenols
Concen: 33.557 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.7	72.1	112.1
77	123.7	94.1	134.1
79	27.7	9.8	49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2MSD

Tot Ion:136 Resp: 1955643

Ion Ratio Lower Upper

136 100

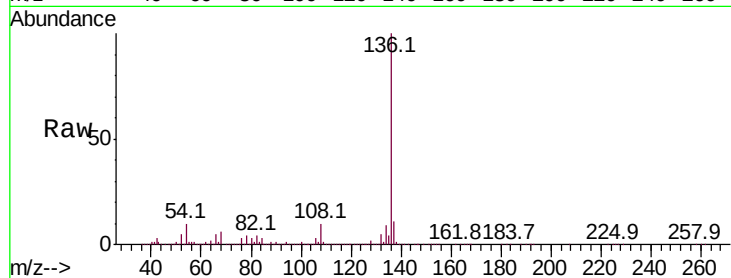
137 11.4 9.1 13.7

54 9.7 7.7 11.5

68 6.3 4.9 7.3

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:42 PM



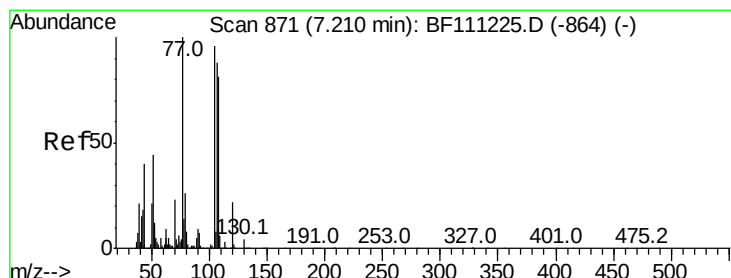
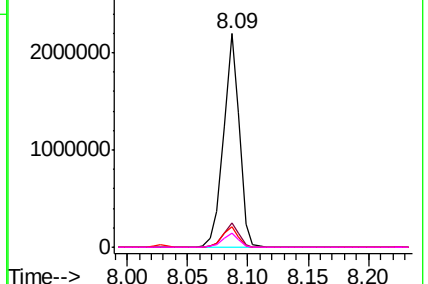
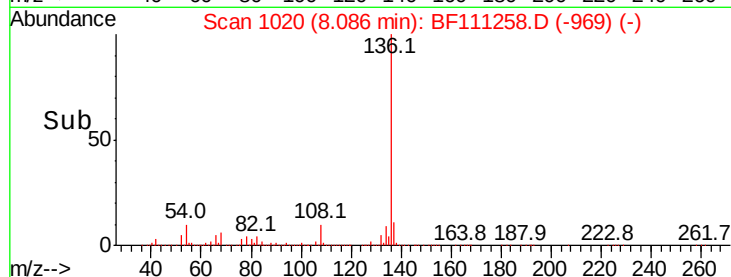
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 36.261 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.00 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Tgt Ion:105 Resp: 1622549

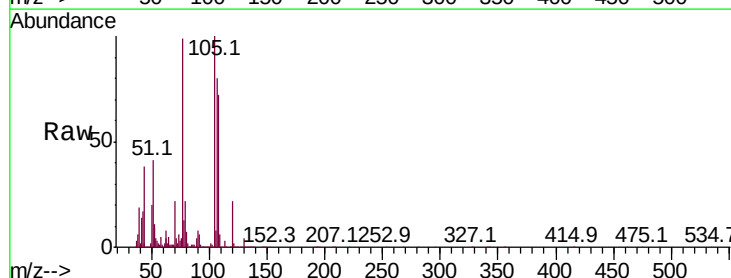
Ion Ratio Lower Upper

105 100

71 4.0 3.1 4.7

51 41.4 36.6 54.8

120 22.4 18.2 27.4



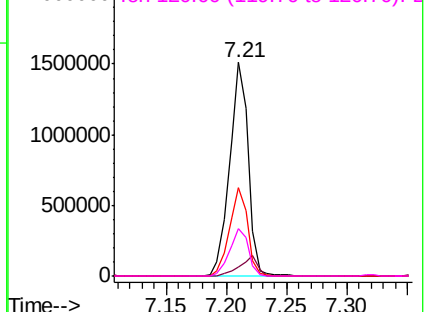
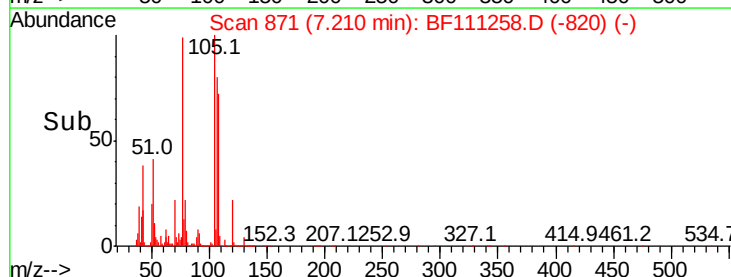
Abundance

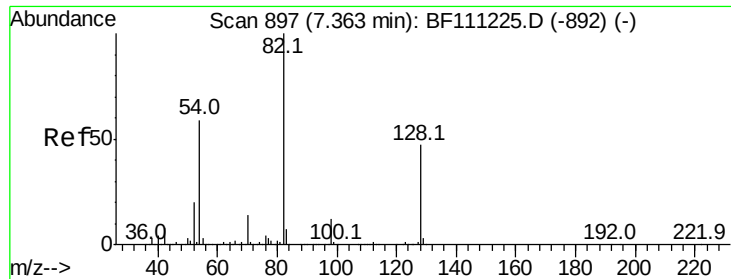
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23
 Nitrobenzene-d5
 Concen: 78.452 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.01 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

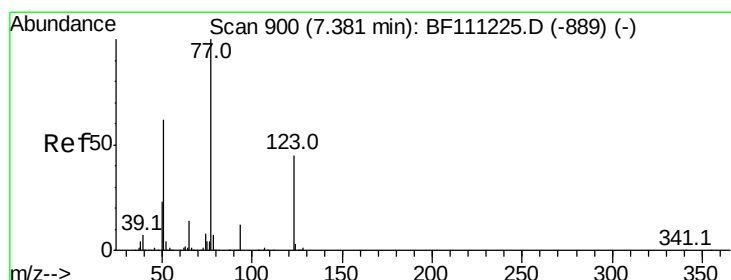
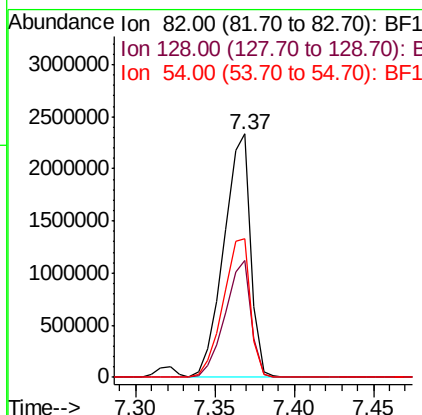
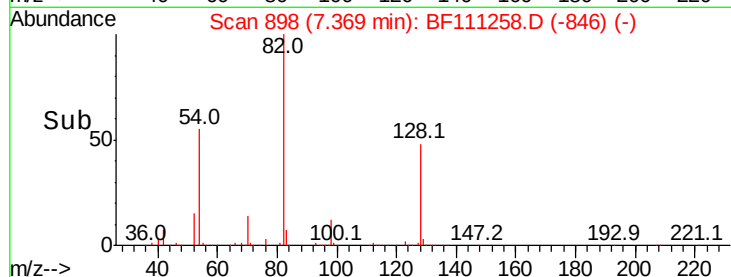
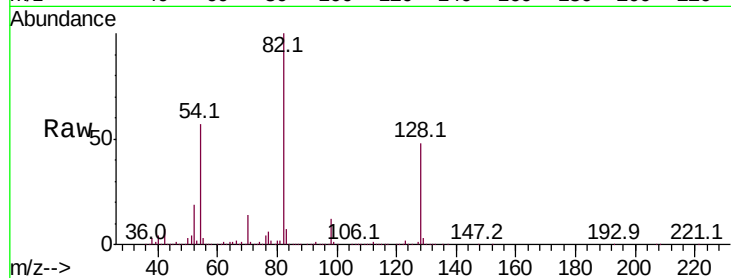
Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2MSD

Tot Ion: 82 Resp: 2735373

Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.4	56.2
54	57.0	47.6	71.4

Manual Integrations
 APPROVED

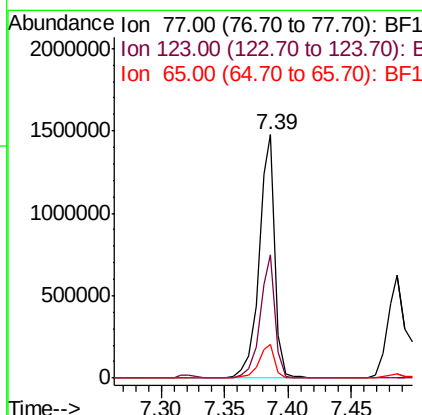
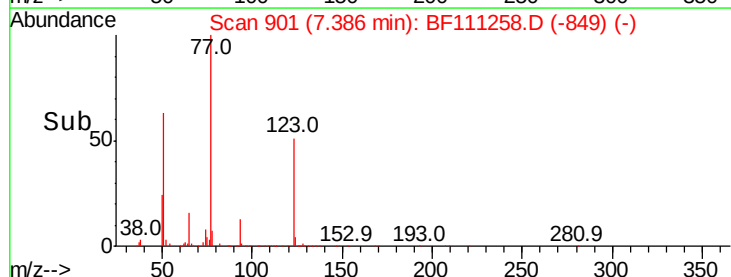
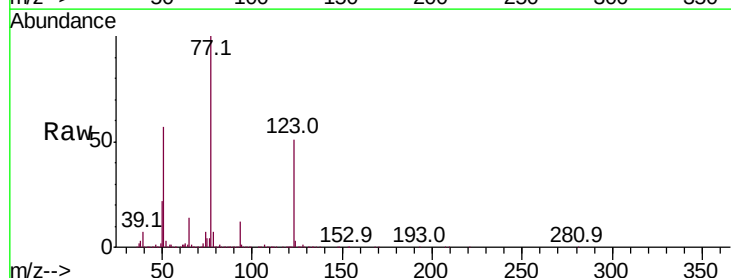
Sohil
 12/11/2018 2:23:42 PM

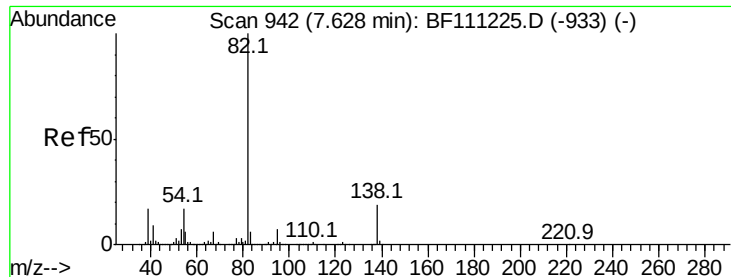


#24
 Nitrobenzene
 Concen: 35.505 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Tgt Ion: 77 Resp: 1288433

Ion	Ratio	Lower	Upper
77	100		
123	50.8	37.2	55.8
65	13.9	11.5	17.3





#25

Isophorone

Concen: 38.103 ng

RT: 7.62 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2MSD

Tot Ion: 82 Resp: 2262771

Ion Ratio Lower Upper

82 100

95 7.0 5.4 8.2

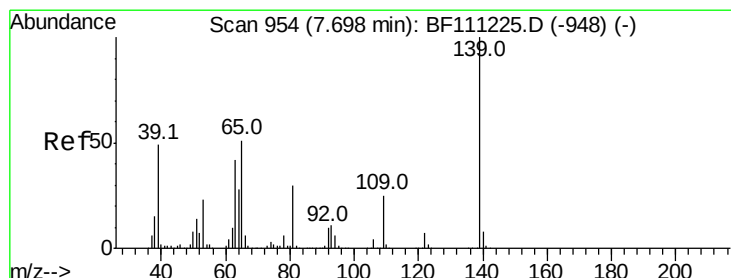
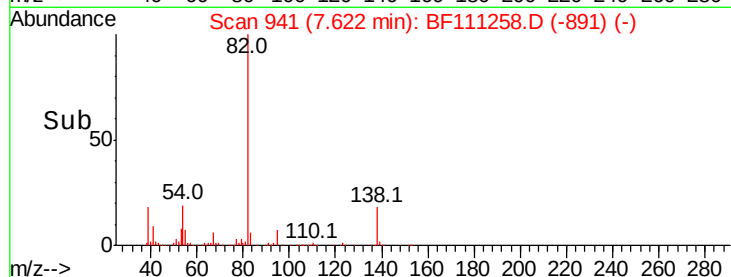
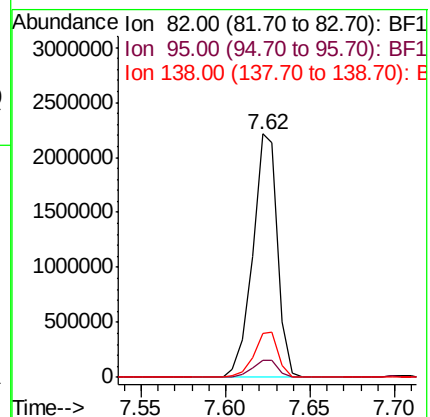
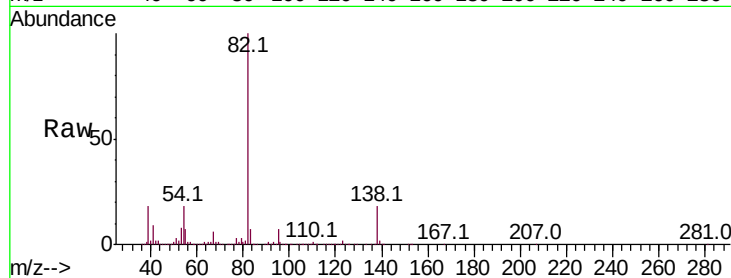
138 18.0 15.1 22.7

Manual Integrations

APPROVED

Sohil

12/11/2018 2:23:42 PM



#26

2-Nitrophenol

Concen: 34.225 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.00 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

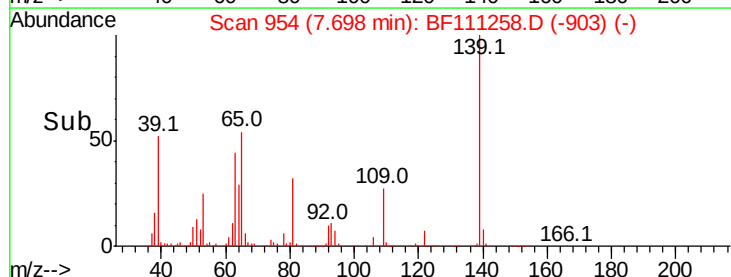
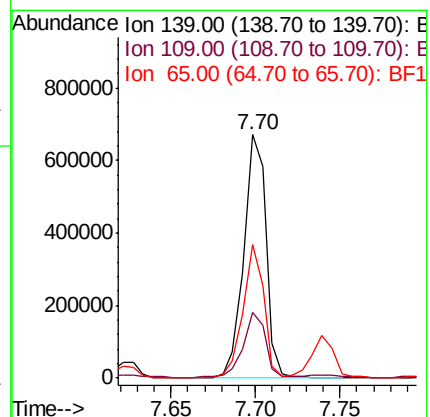
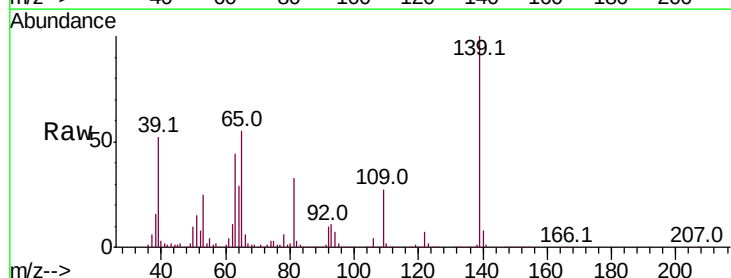
Tgt Ion: 139 Resp: 617084

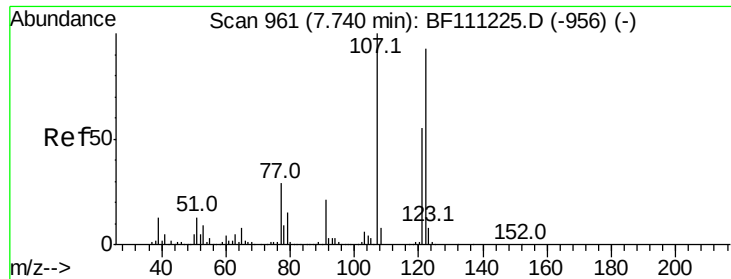
Ion Ratio Lower Upper

139 100

109 27.2 20.2 30.4

65 54.6 40.7 61.1





#27

2,4-Dimethylphenol

Concen: 38.955 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.00 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2MSD

Tot Ion:122 Resp: 1085325

Ion Ratio Lower Upper

122 100

107 113.4 85.5 128.3

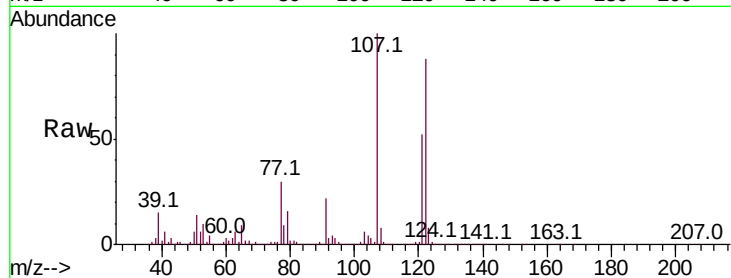
121 58.8 46.6 70.0

Manual Integrations

APPROVED

Sohil

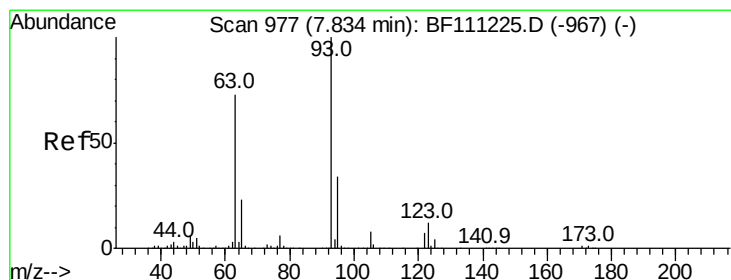
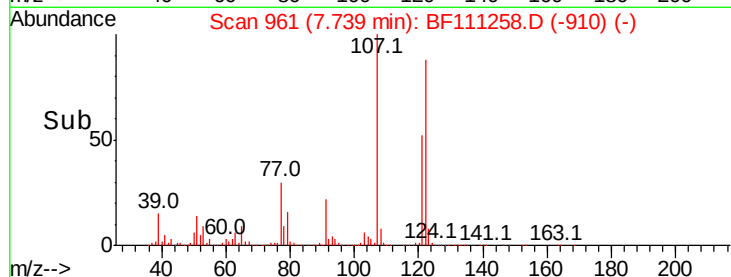
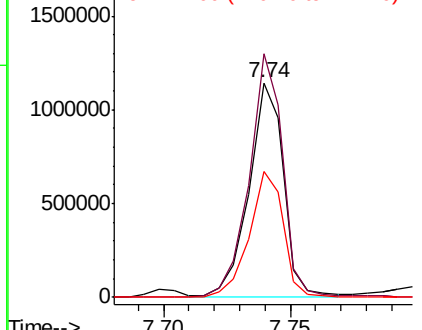
12/11/2018 2:23:42 PM



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: 36.572 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.00 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

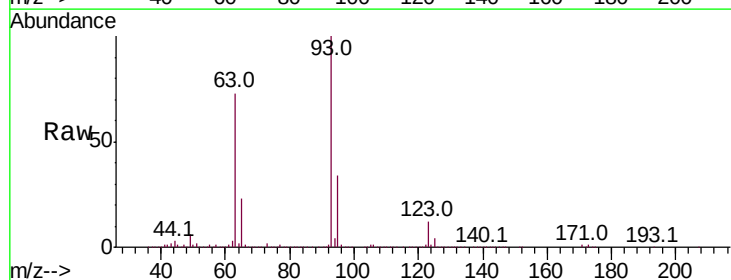
Tgt Ion: 93 Resp: 1503965

Ion Ratio Lower Upper

93 100

95 33.5 27.1 40.7

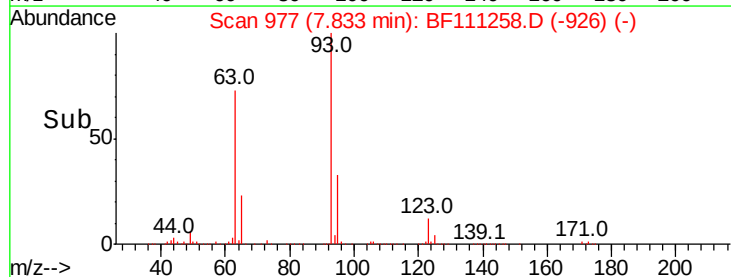
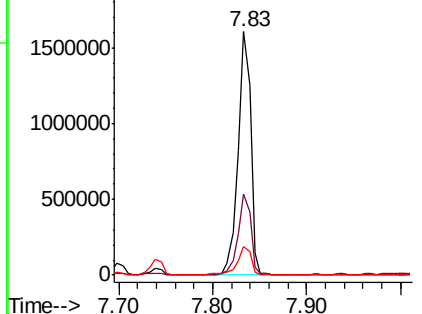
123 11.7 9.9 14.9

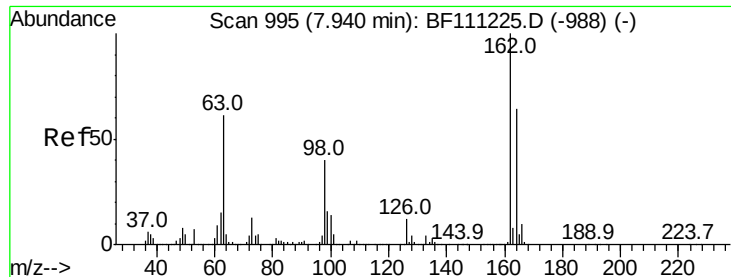


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





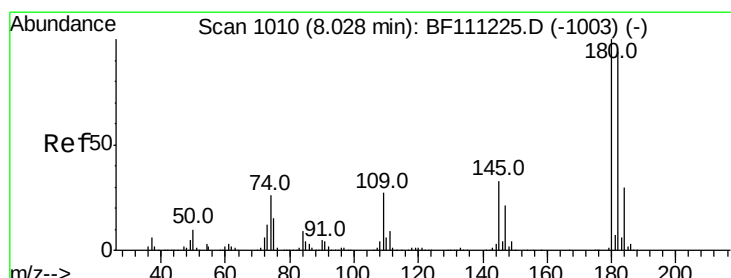
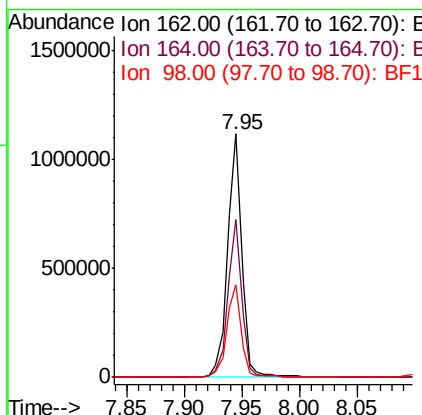
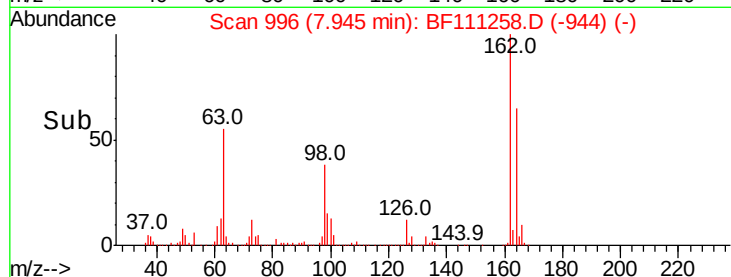
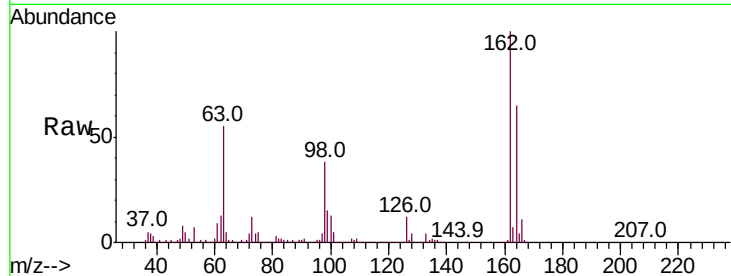
#29
 2,4-Dichlorophenol
 Concen: 33.742 ng
 RT: 7.95 min Scan# 996
 Delta R.T. 0.01 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	961251		
164	64.7	44.4	84.4	
98	38.2	20.3	60.3	

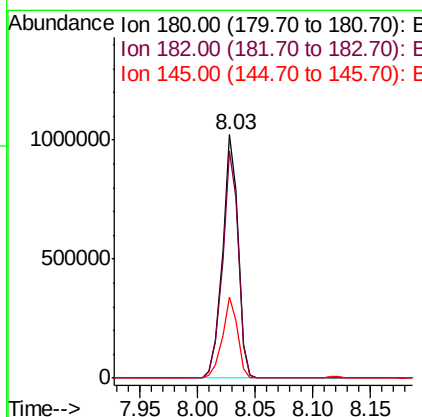
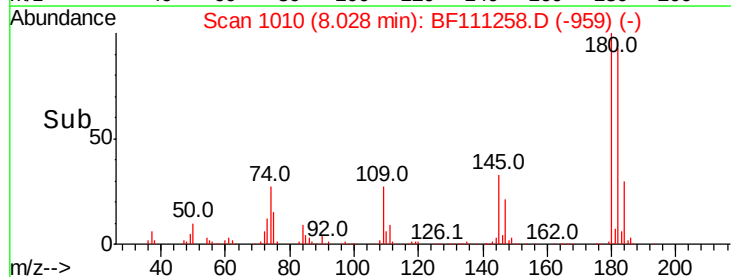
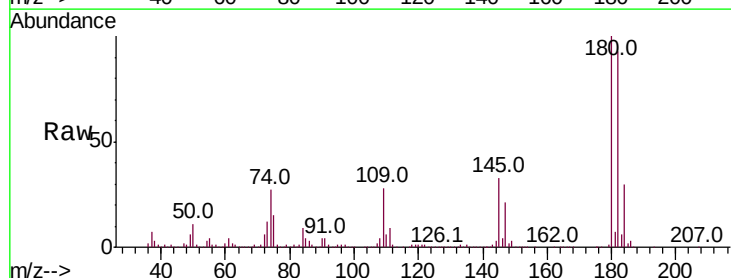
Manual Integrations
 APPROVED

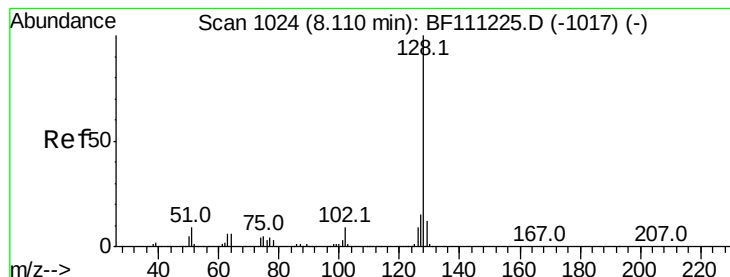
Sohil
 12/11/2018 2:23:42 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 34.055 ng
 RT: 8.03 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	955648		
182	93.4	75.6	113.4	
145	33.5	26.7	40.1	





#31

Naphthalene

Concen: 37.837 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2MSD

Tot Ion:128 Resp: 3229429

Ion Ratio Lower Upper

128 100

129 12.6 9.8 14.8

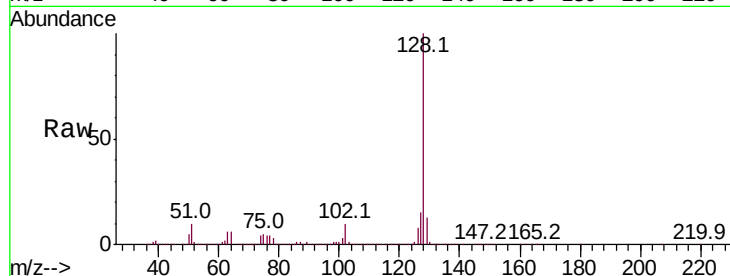
127 14.9 12.0 18.0

Manual Integrations

APPROVED

Sohil

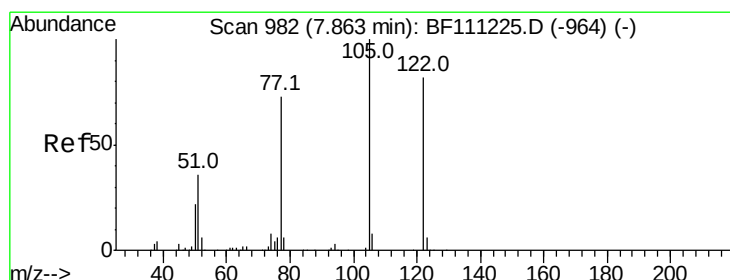
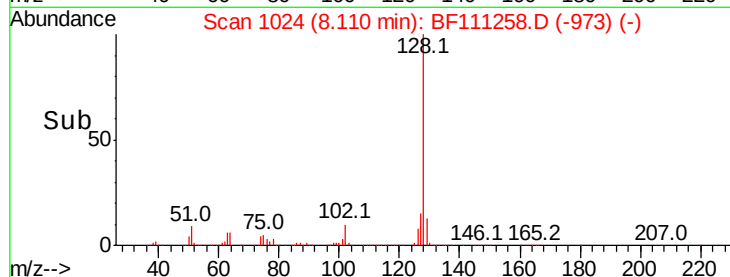
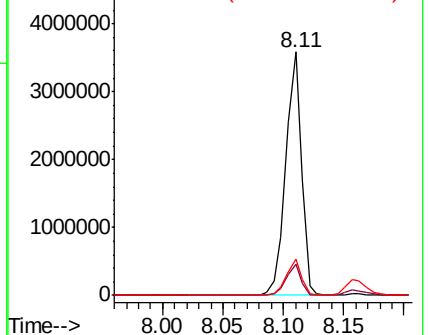
12/11/2018 2:23:42 PM



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: 7.508 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.05 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

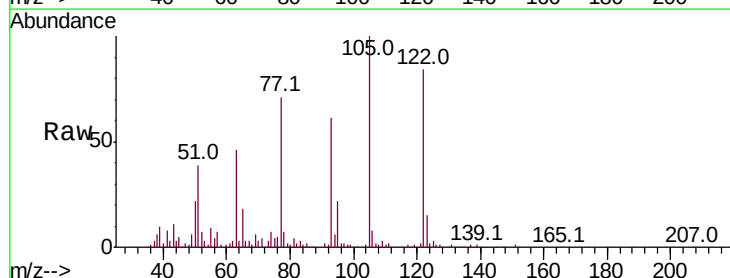
Tgt Ion:122 Resp: 172979

Ion Ratio Lower Upper

122 100

105 118.9 97.0 137.0

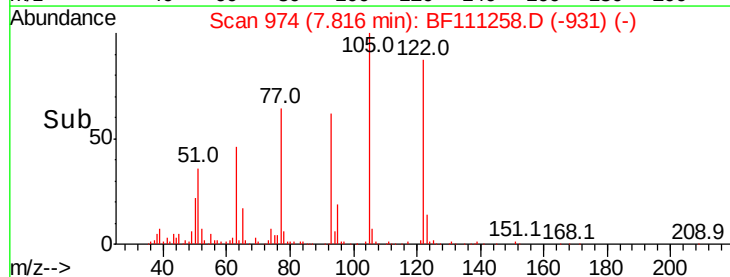
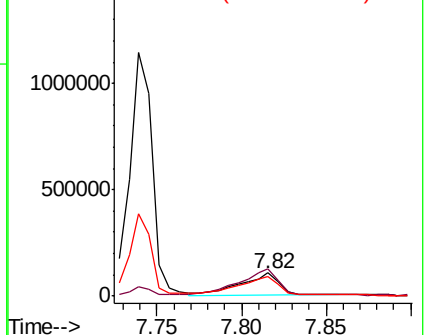
77 84.6 65.7 105.7

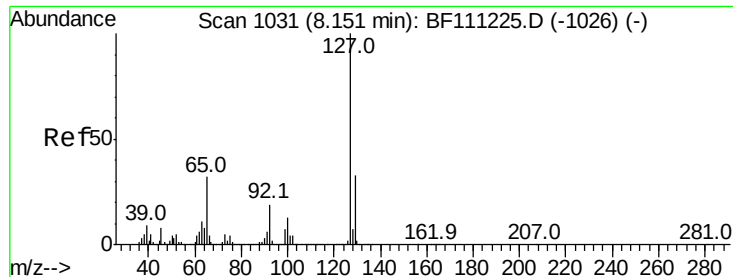


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





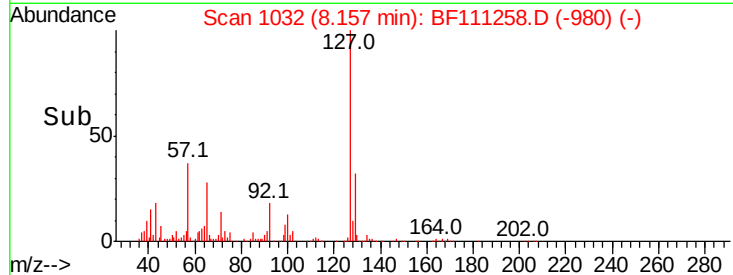
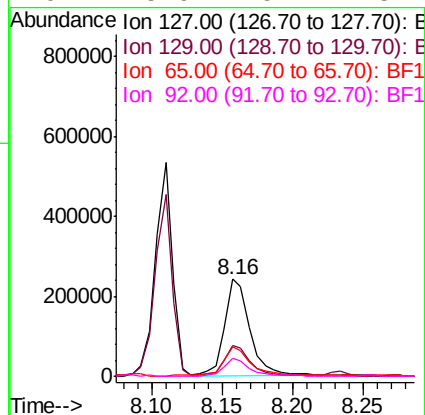
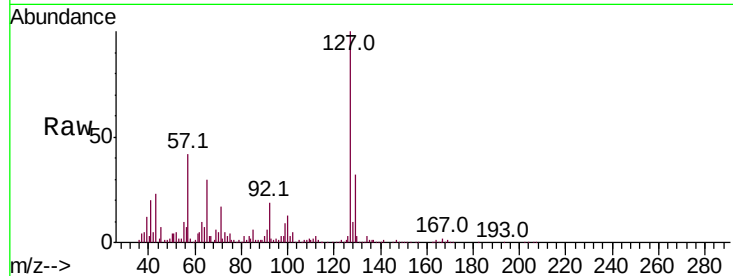
#33
4-Chloroaniline
Concen: 7.360 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.9	26.6	39.8		
65	30.0	25.7	38.5		
92	18.9	15.4	23.2		

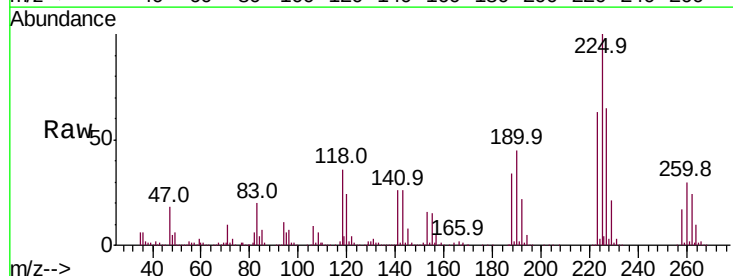
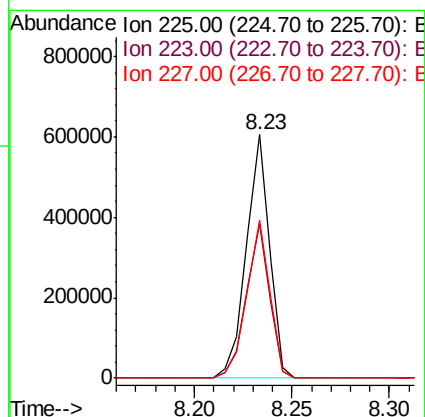
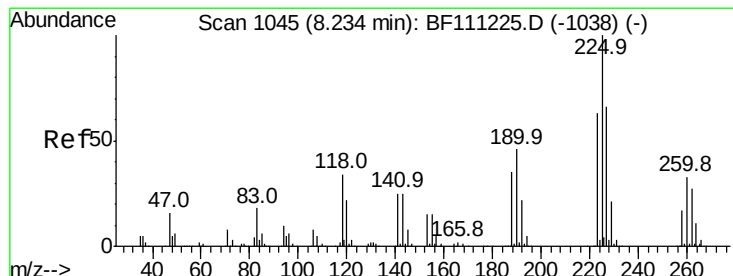
Manual Integrations
APPROVED

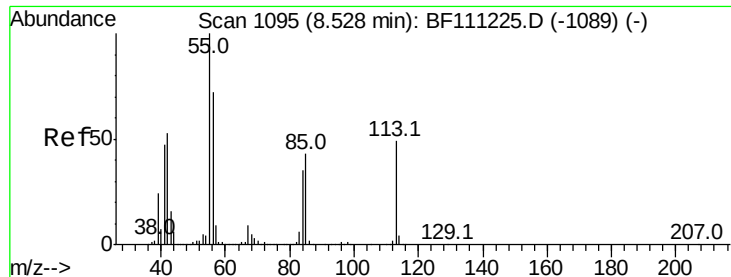
Sohil
12/11/2018 2:23:42 PM



#34
Hexachlorobutadiene
Concen: 32.296 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.4	50.7	76.1		
227	64.7	52.6	78.8		





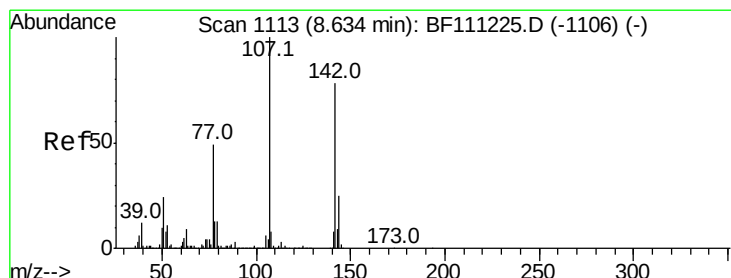
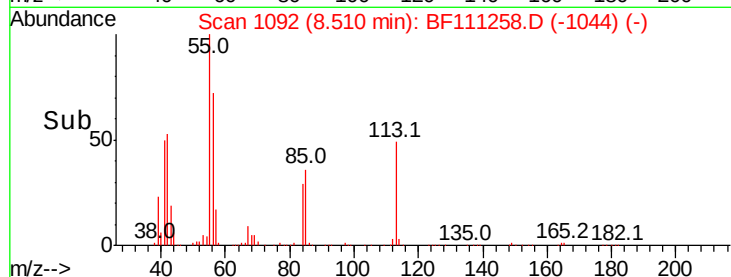
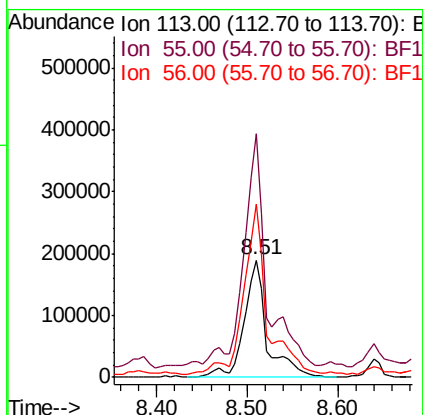
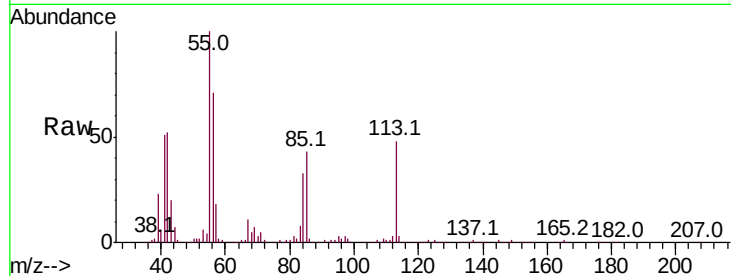
#35
 Caprolactam
 Concen: 33.177 ng/ml
 RT: 8.51 min Scan# 1092
 Delta R.T. -0.02 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	208.2	184.1	224.1
56	148.2	126.0	166.0

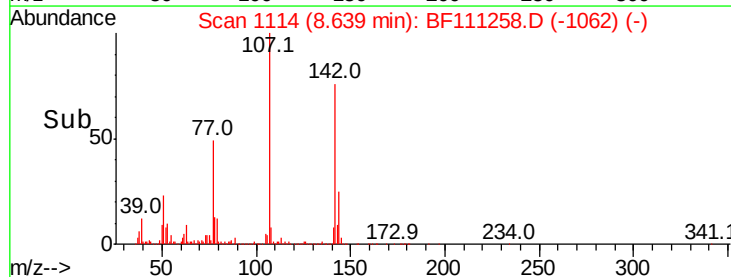
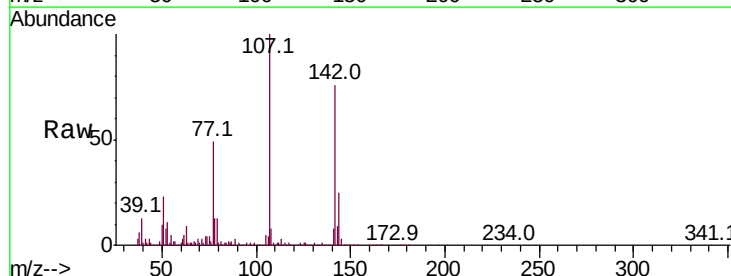
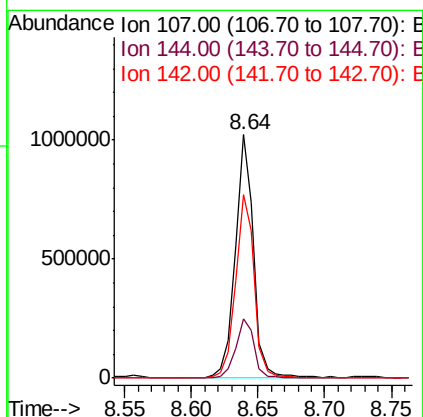
Manual Integrations
 APPROVED

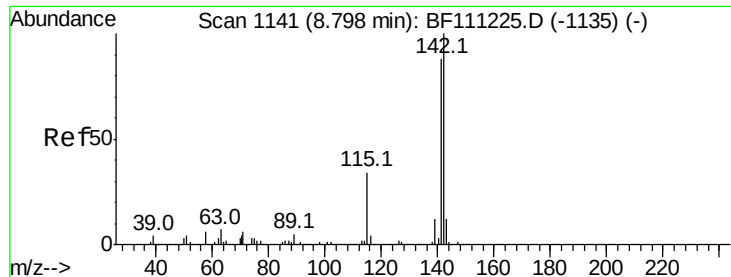
Sohil
 12/11/2018 2:23:42 PM



#36
 4-Chloro-3-methylphenol
 Concen: 33.404 ng/ml
 RT: 8.64 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.8	29.6
142	75.6	62.3	93.5





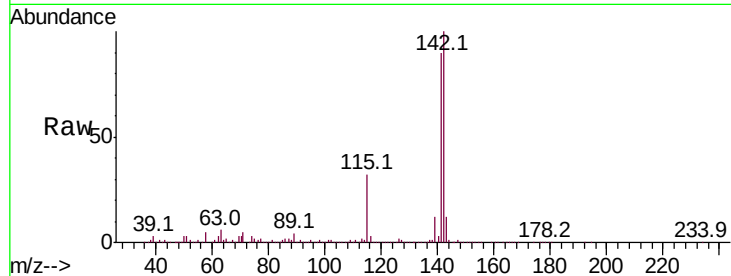
#37
2-Methylnaphthalene
Concen: 36.812 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

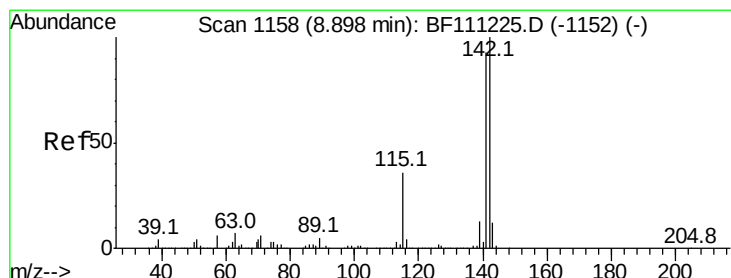
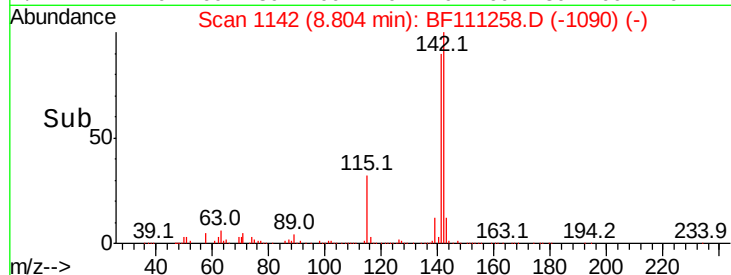
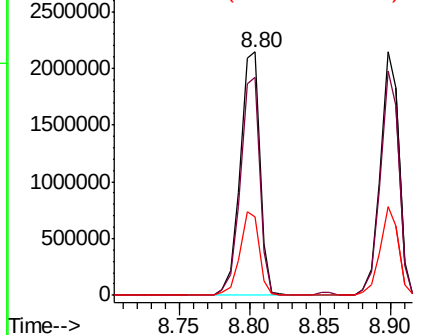
Tot Ion:142 Resp: 2086039
Ion Ratio Lower Upper
142 100
141 89.7 70.6 105.8
115 32.4 27.0 40.6

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:42 PM

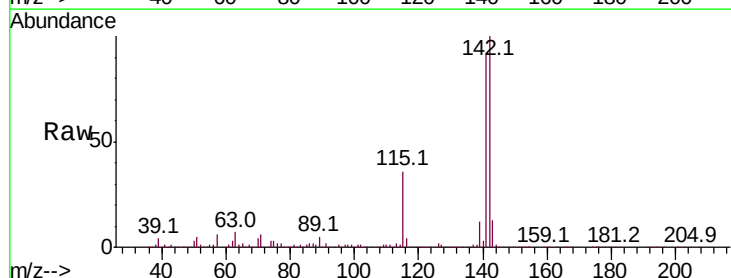


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

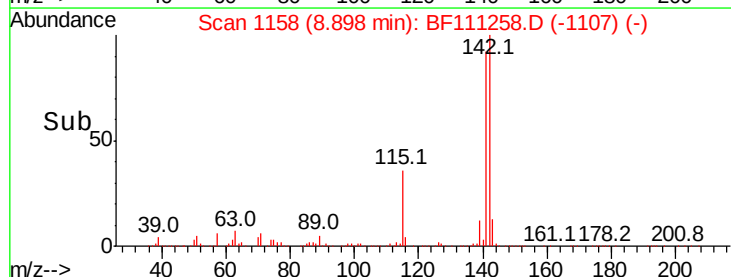
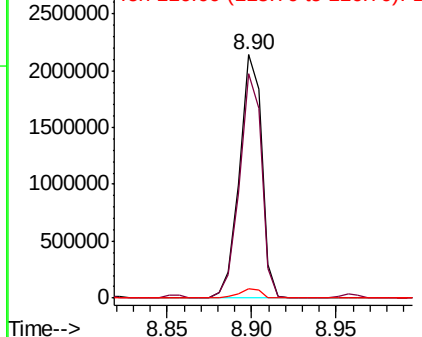


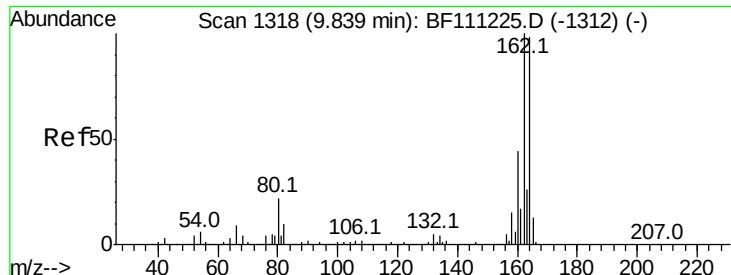
#38
1-Methylnaphthalene
Concen: 35.374 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion:142 Resp: 1963007
Ion Ratio Lower Upper
142 100
141 92.3 74.2 111.4
116 4.1 2.9 4.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





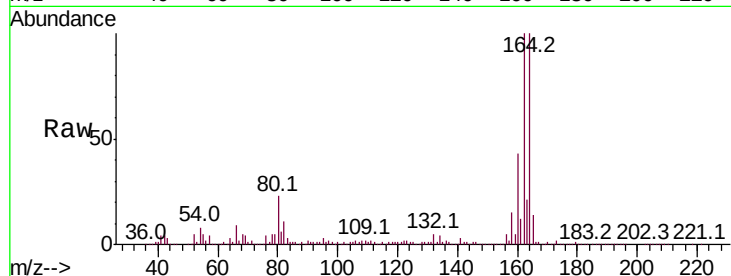
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.4	122.0
160	43.3	35.7	53.5

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:42 PM

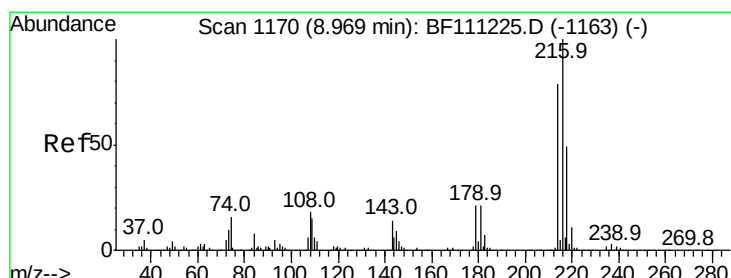
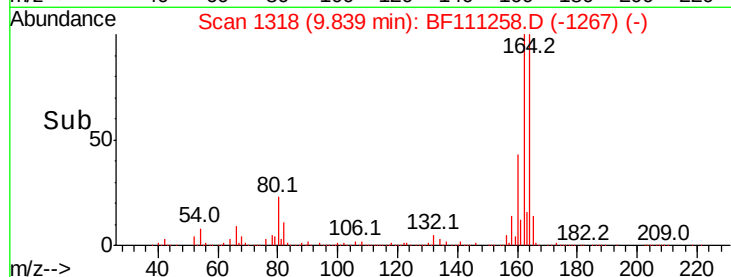
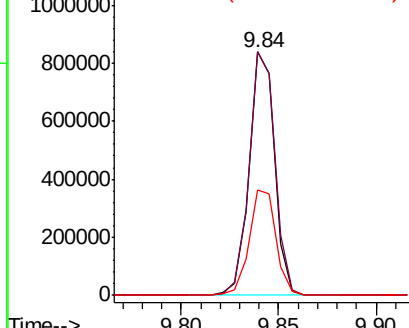


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.241 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.4	63.8	95.8
179	22.3	17.9	26.9
108	22.1	18.4	27.6

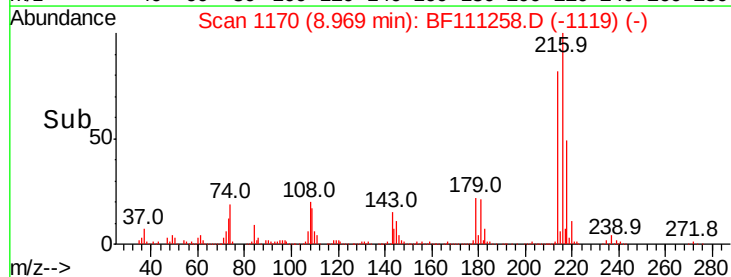
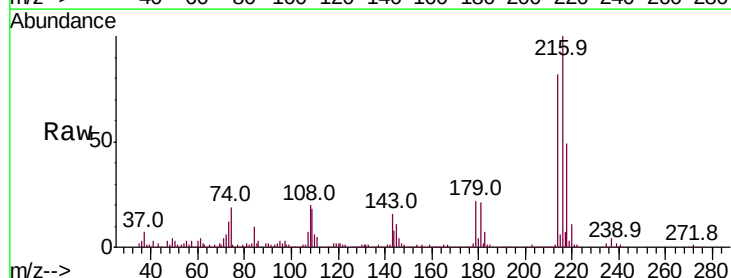
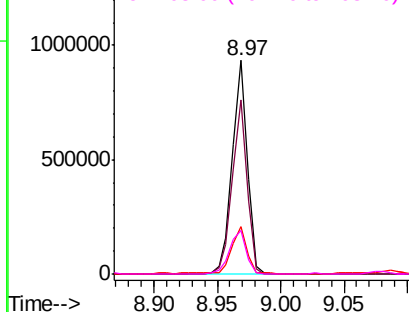
Abundance

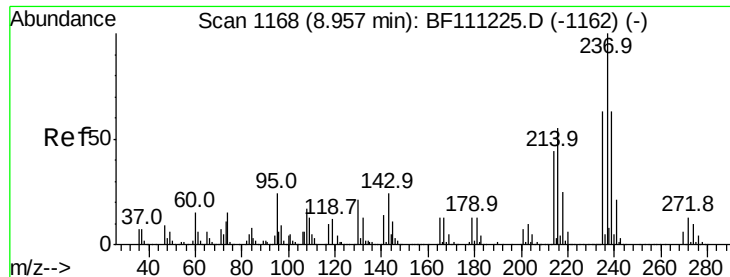
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 18.476 ng

RT: 8.96 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2MSD

Tot Ion:237 Resp: 221036

Ion Ratio Lower Upper

237 100

235 62.9 43.1 83.1

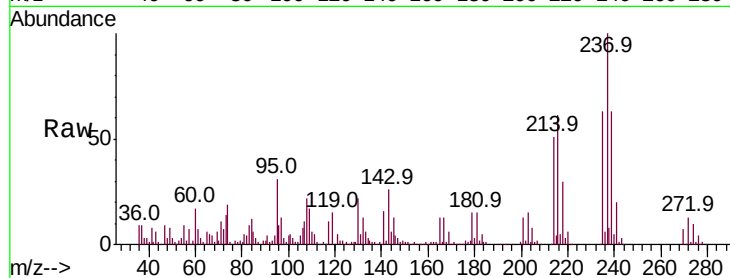
272 12.8 0.0 33.0

Manual Integrations

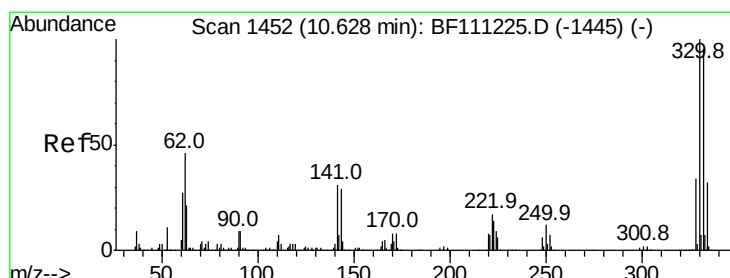
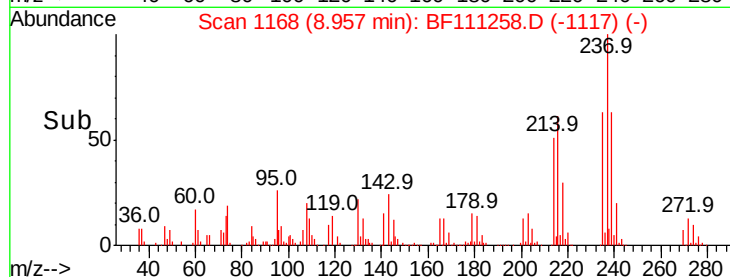
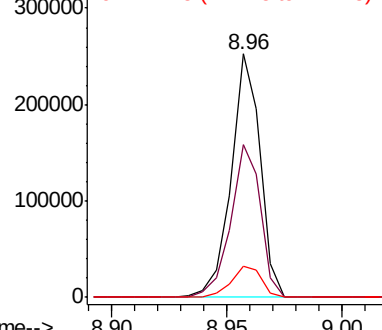
APPROVED

Sohil

12/11/2018 2:23:42 PM



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



#42

2,4,6-Tribromophenol

Concen: 91.575 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.00 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

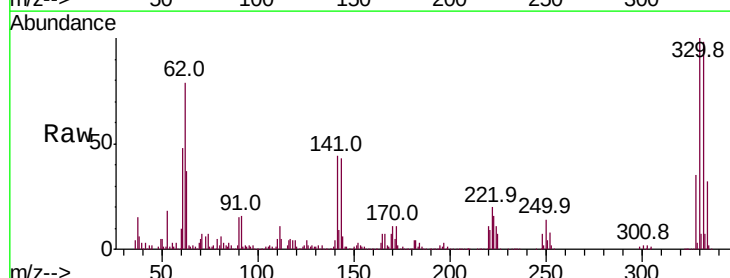
Tgt Ion:330 Resp: 612402

Ion Ratio Lower Upper

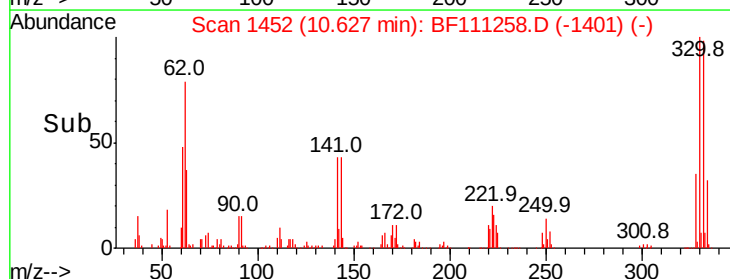
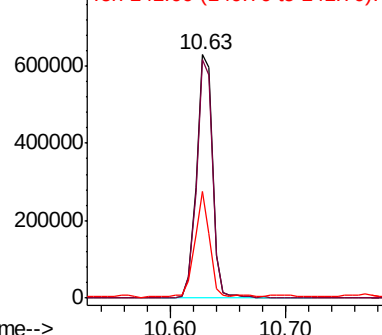
330 100

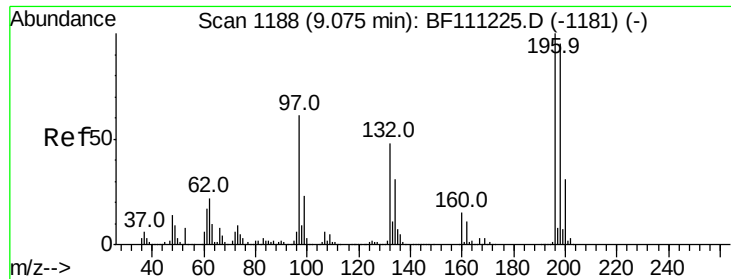
332 97.2 76.0 114.0

141 39.8 31.0 46.6



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





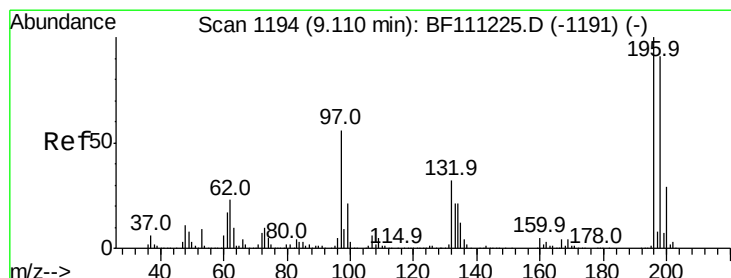
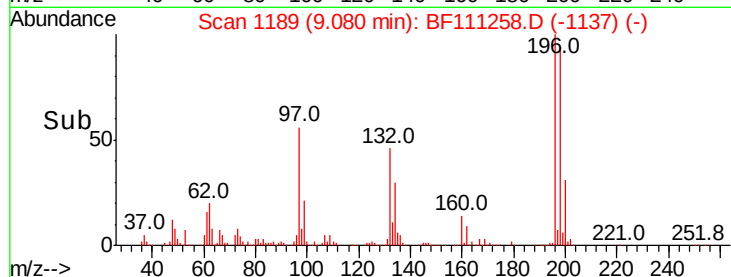
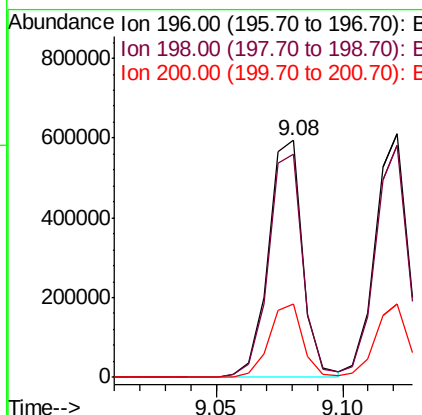
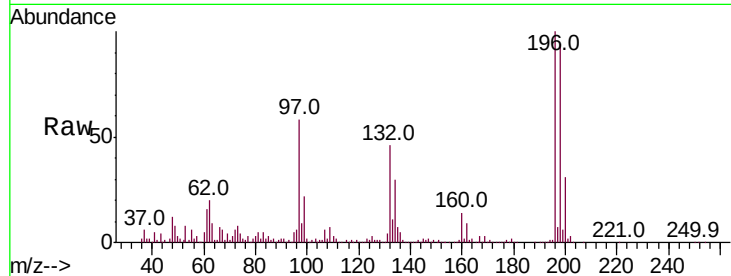
#43
 2,4,6-Trichlorophenol
 Concen: 35.623 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	561712		
198	94.3	76.3	114.5	
200	31.0	24.9	37.3	

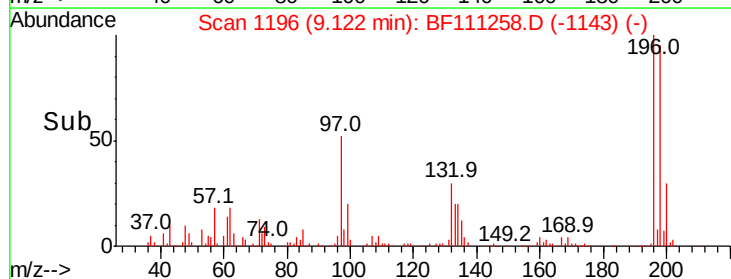
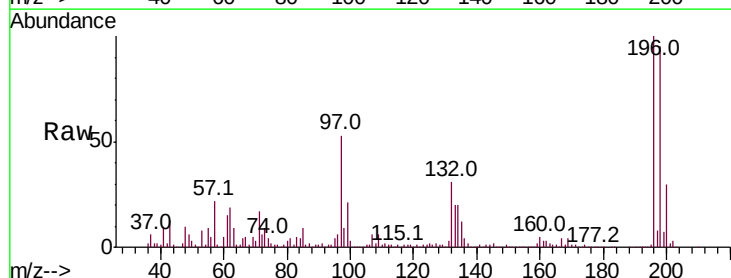
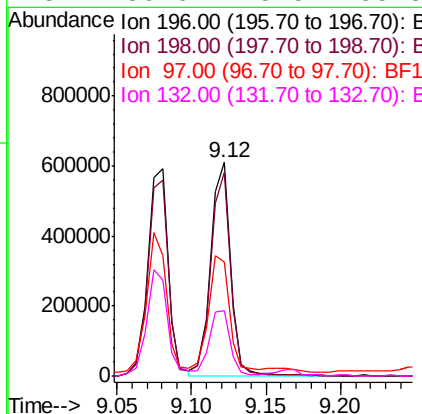
Manual Integrations
 APPROVED

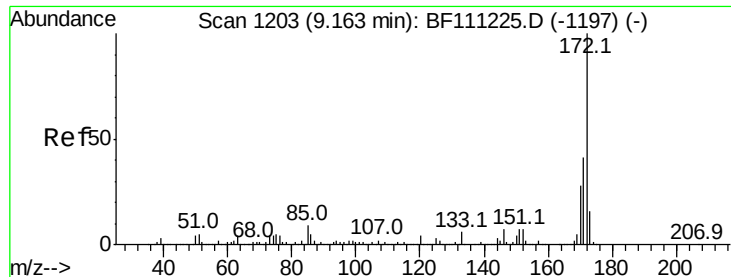
Sohil
 12/11/2018 2:23:42 PM



#44
 2,4,5-Trichlorophenol
 Concen: 34.348 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.01 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	564200		
198	95.3	72.9	109.3	
97	53.4	45.3	67.9	
132	30.6	25.5	38.3	





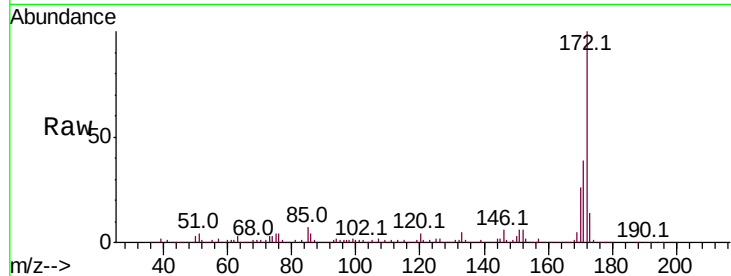
#45
2-Fluorobiphenyl
Concen: 84.124 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

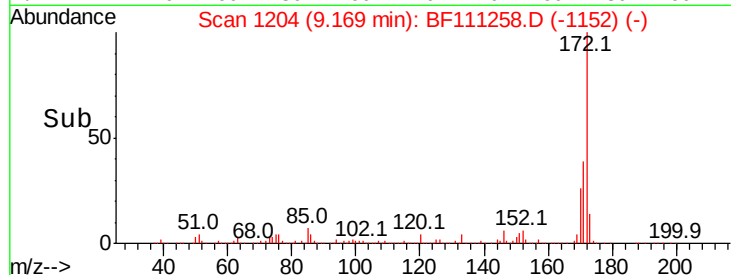
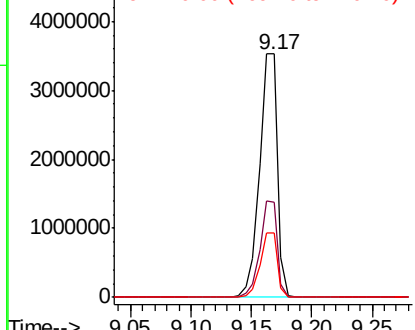
Tot Ion:172 Resp: 3664857
Ion Ratio Lower Upper
172 100
171 38.9 33.0 49.4
170 26.3 22.3 33.5

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:42 PM

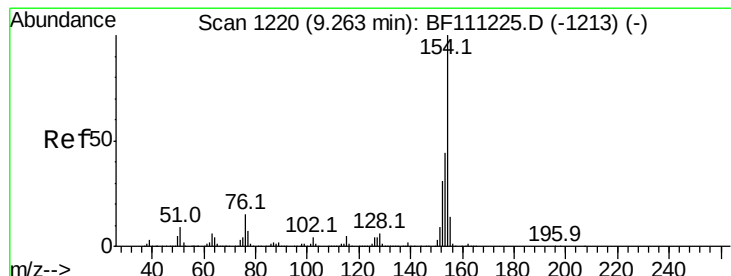


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

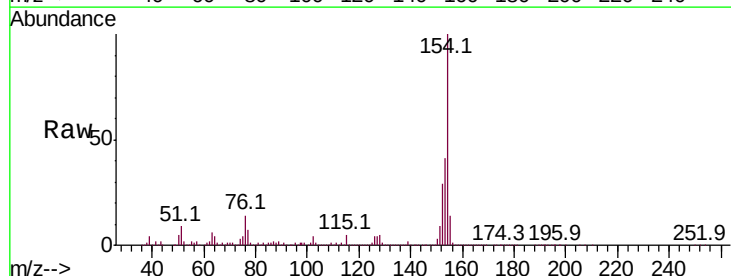
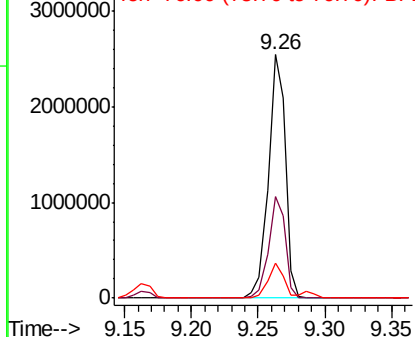


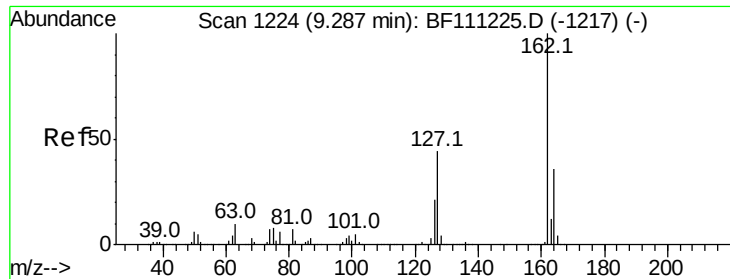
#46
1,1'-Biphenyl
Concen: 35.716 ng
RT: 9.26 min Scan# 1220
Delta R.T. 0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion:154 Resp: 2247604
Ion Ratio Lower Upper
154 100
153 41.4 23.7 63.7
76 14.3 0.0 35.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





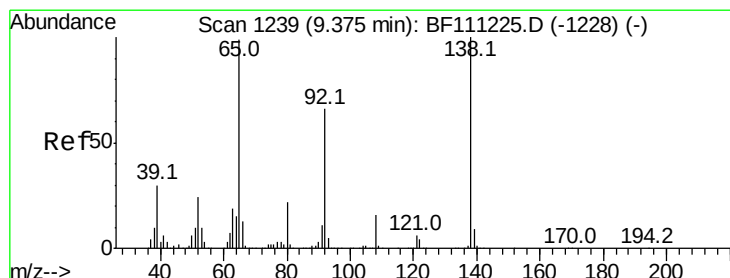
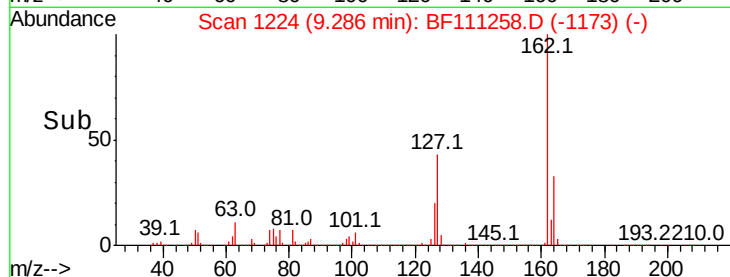
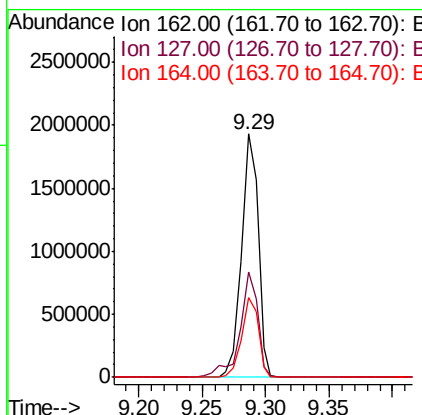
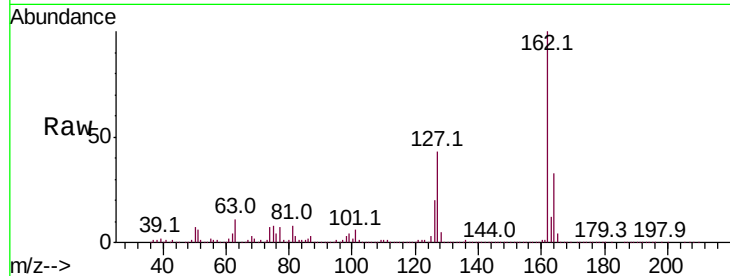
#47
2-Chloronaphthalene
Concen: 35.422 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	43.2	35.0	52.4
164	32.9	28.4	42.6

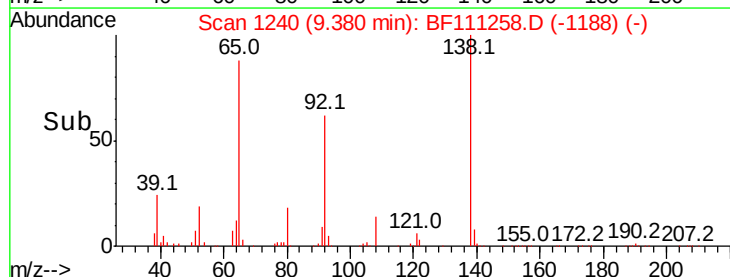
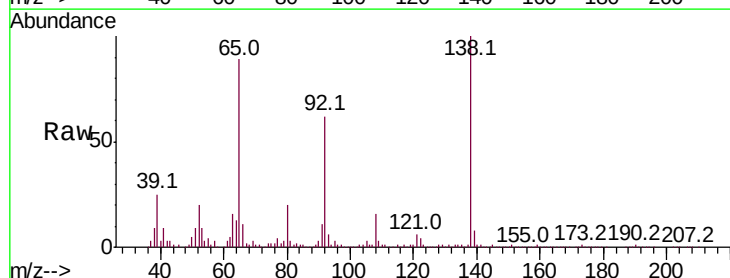
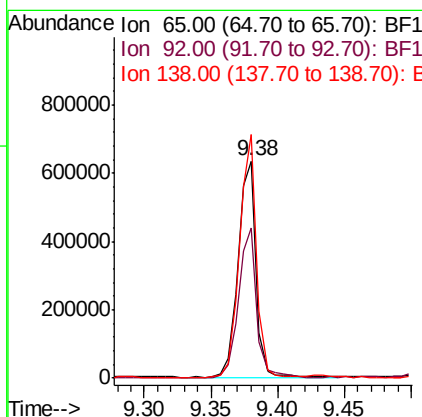
Manual Integrations
APPROVED

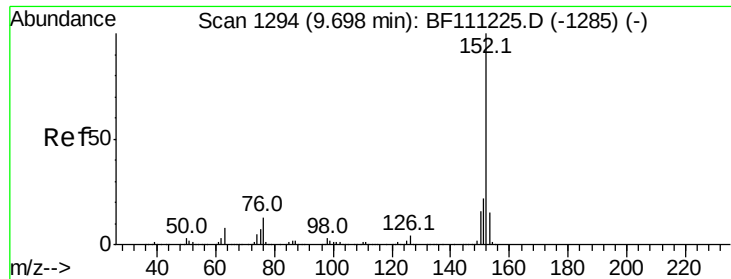
Sohil
12/11/2018 2:23:42 PM



#48
2-Nitroaniline
Concen: 35.143 ng
RT: 9.38 min Scan# 1240
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.4	53.5	80.3
138	112.0	80.9	121.3





#49

Acenaphthylene

Concen: 36.273 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.01 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2MSD

Tot Ion:152 Resp: 2601215

Ion Ratio Lower Upper

152 100

151 21.3 18.0 27.0

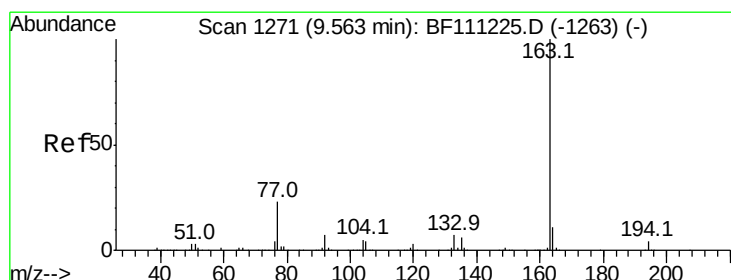
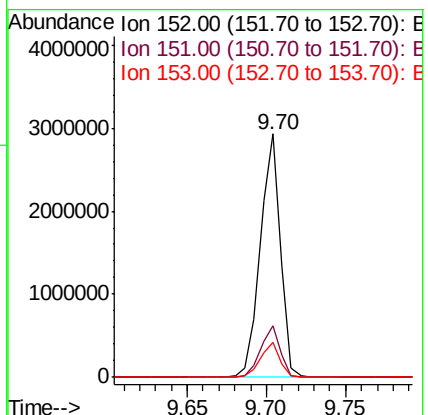
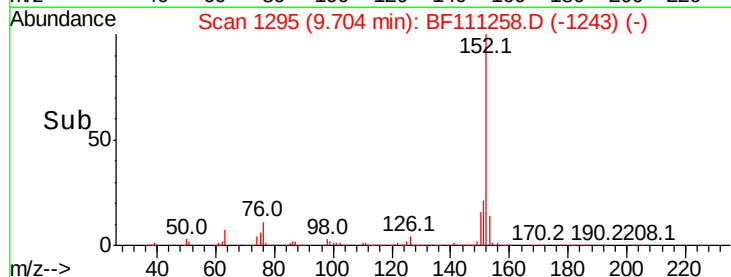
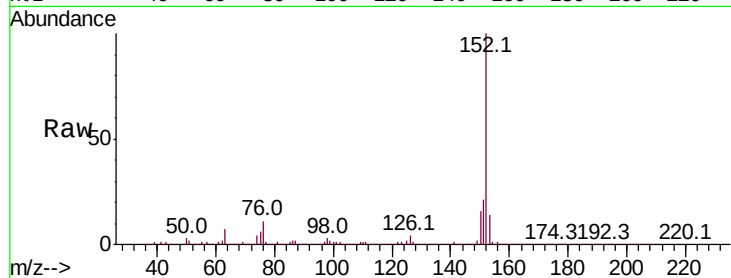
153 14.2 12.3 18.5

Manual Integrations

APPROVED

Sohil

12/11/2018 2:23:42 PM



#50

Dimethylphthalate

Concen: 40.238 ng

RT: 9.56 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

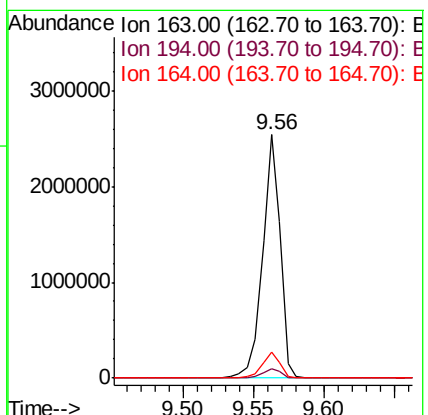
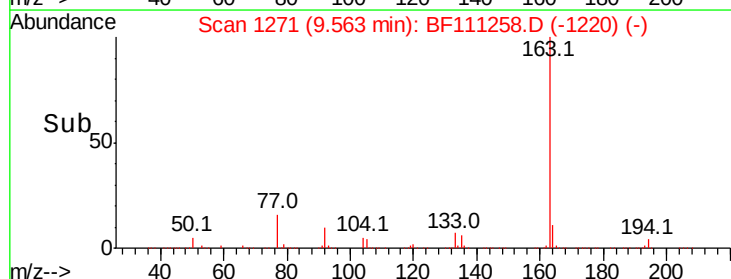
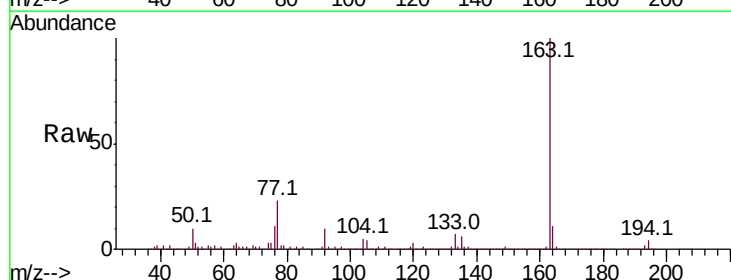
Tgt Ion:163 Resp: 2241431

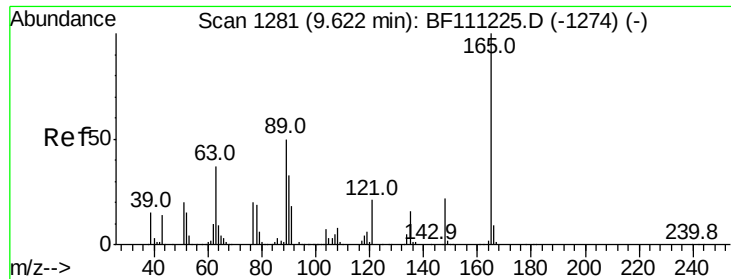
Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

164 10.7 8.9 13.3





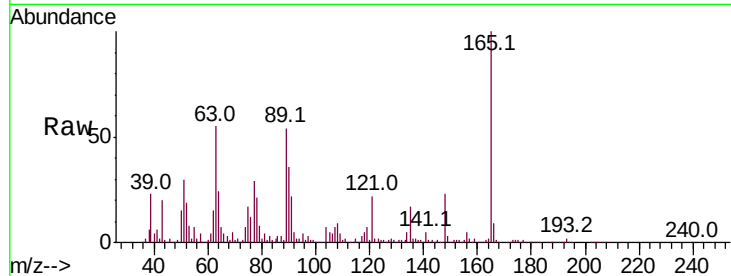
#51
2,6-Dinitrotoluene
Concen: 36.154 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

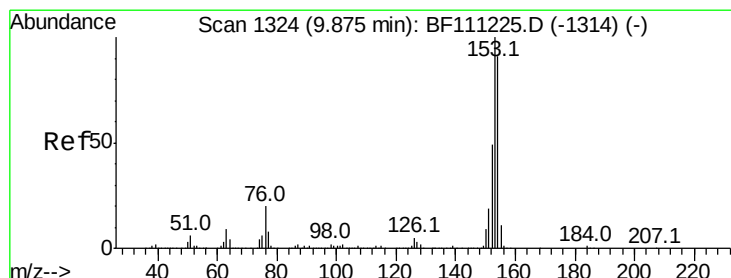
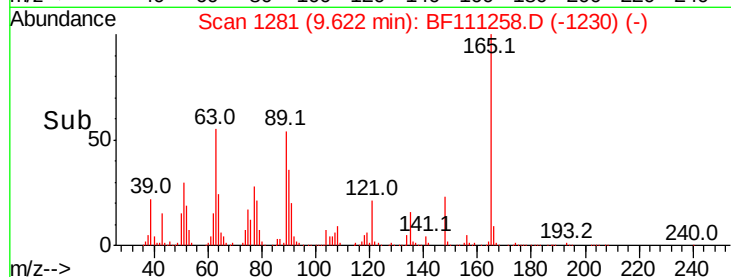
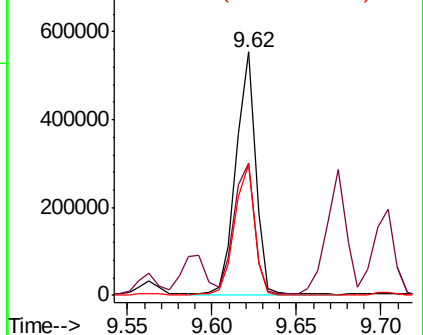
Tot Ion	Ratio	Resp	Lower	Upper
165	100	444764		
63	54.5		40.5	60.7
89	54.0		40.0	60.0

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:42 PM



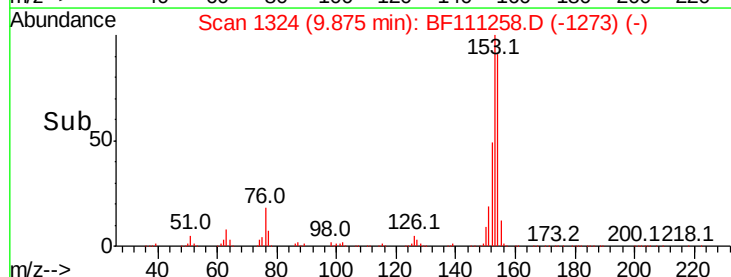
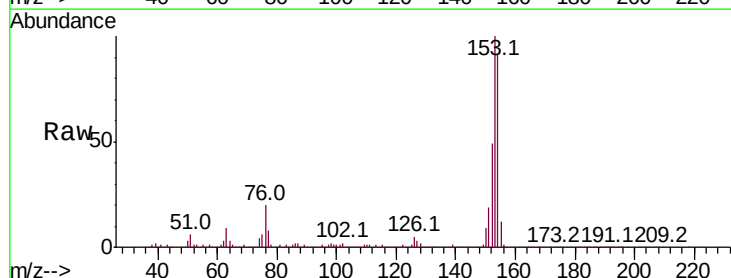
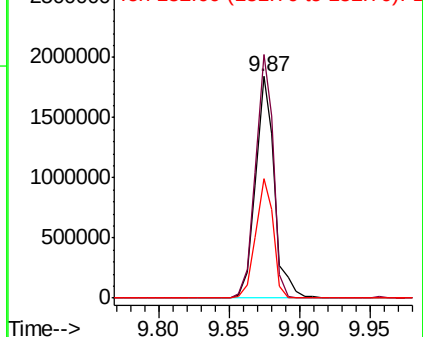
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

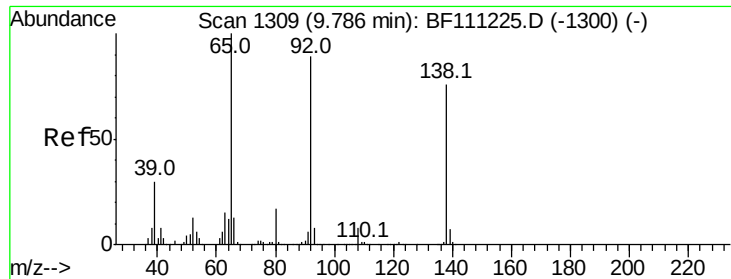


#52
Acenaphthene
Concen: 38.653 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1739491		
153	110.0		87.8	131.8
152	53.8		43.4	65.2

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





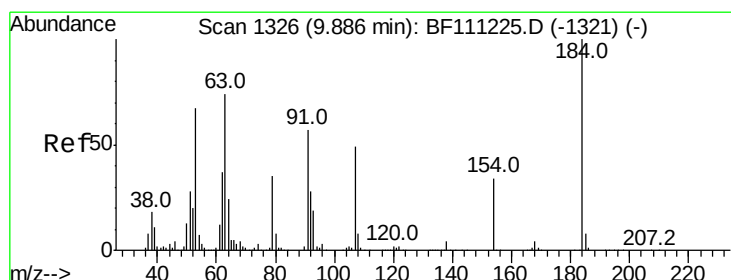
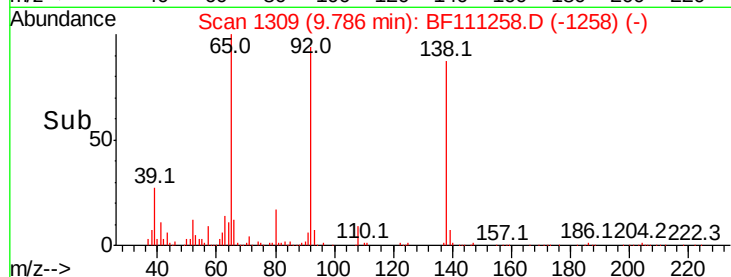
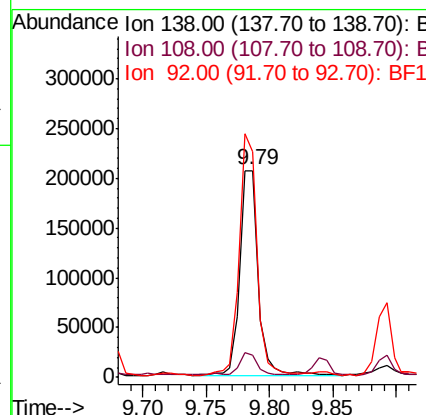
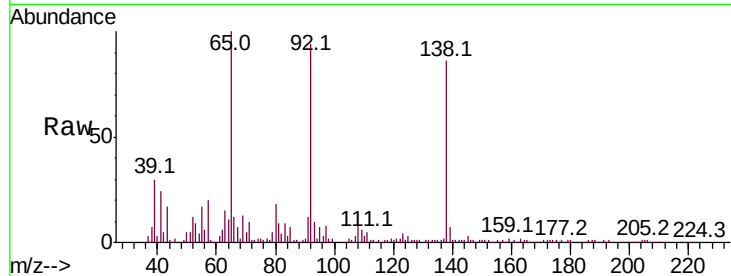
#53
3-Nitroaniline
Concen: 13.562 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.2	12.4
92	109.2	93.4	140.2

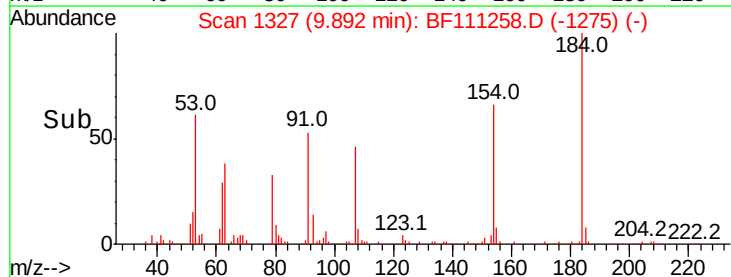
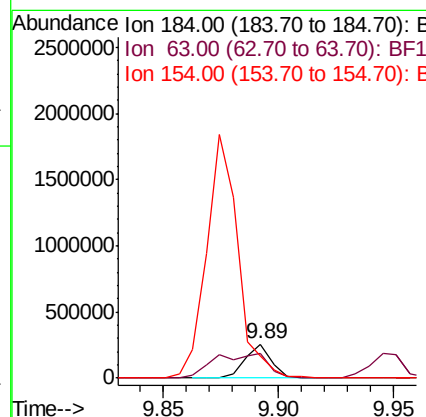
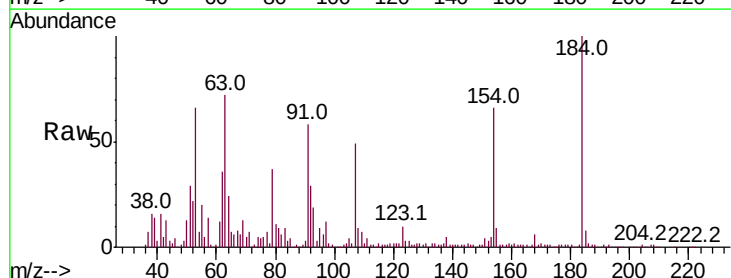
Manual Integrations
APPROVED

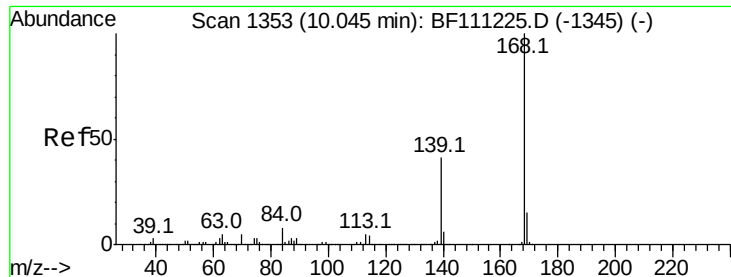
Sohil
12/11/2018 2:23:42 PM



#54
2,4-Dinitrophenol
Concen: 42.289 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
184	100		
63	72.4	62.3	93.5
154	66.4	56.2	84.2





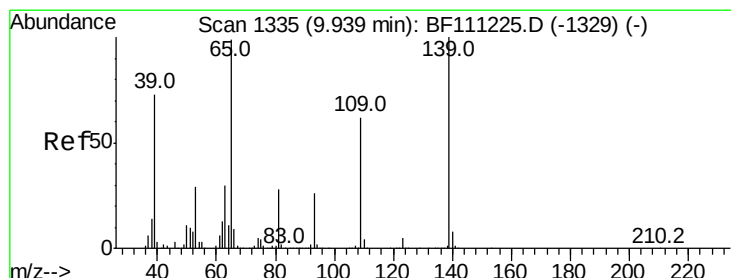
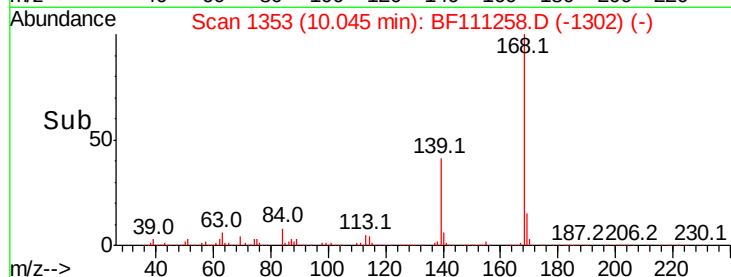
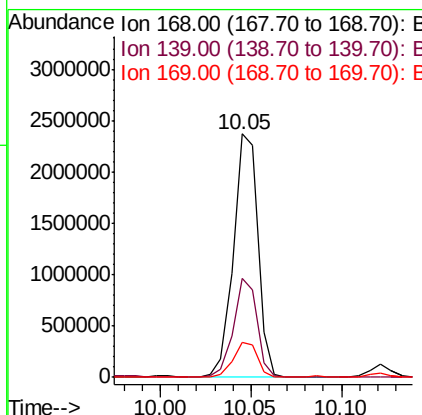
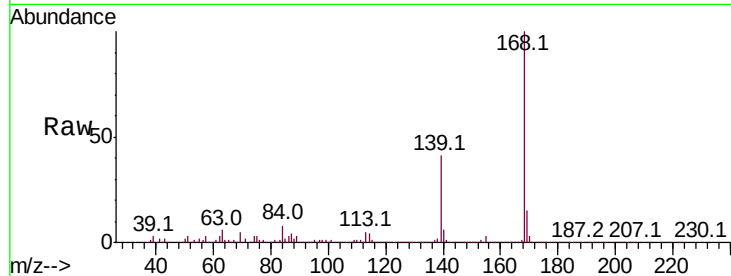
#55
Dibenzenofuran
Concen: 36.470 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.6	32.6	49.0
169	14.6	11.8	17.6

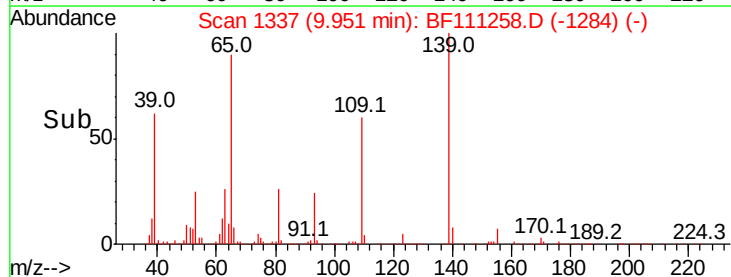
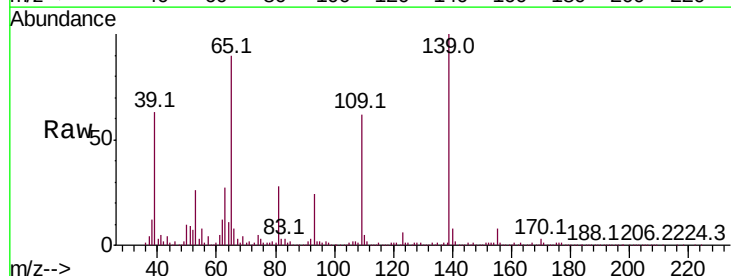
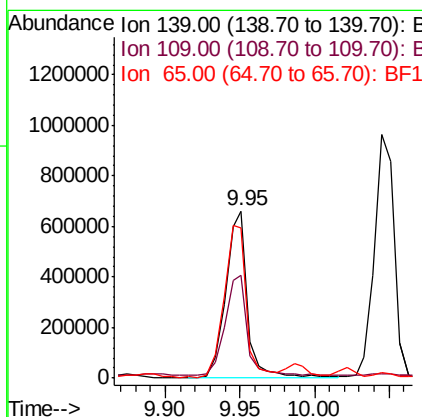
Manual Integrations
APPROVED

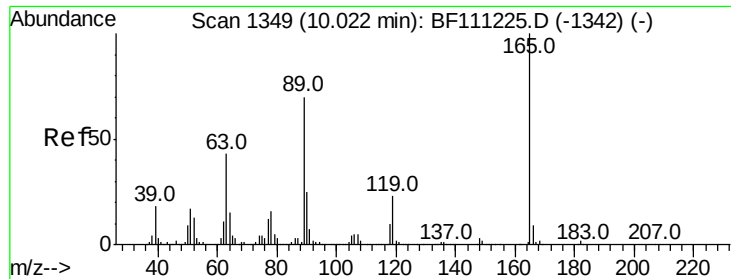
Sohil
12/11/2018 2:23:42 PM



#56
4-Nitrophenol
Concen: 56.649 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
139	100		
109	61.7	41.8	81.8
65	89.9	79.6	119.6





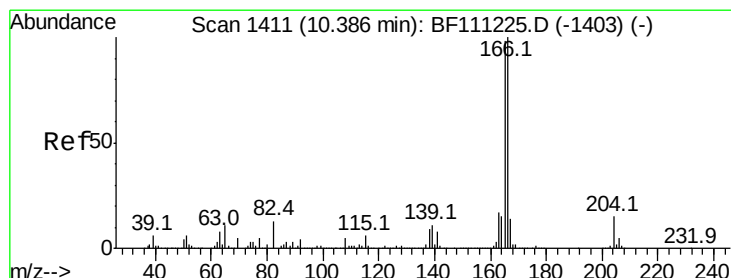
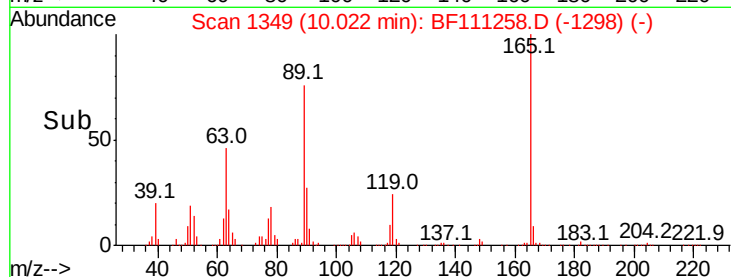
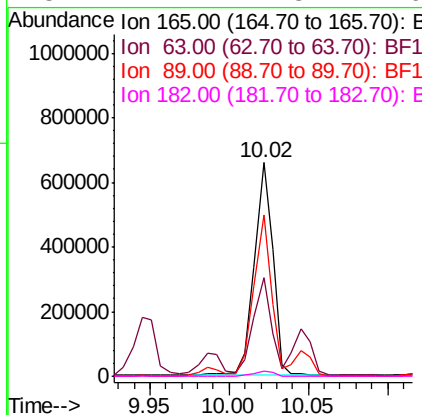
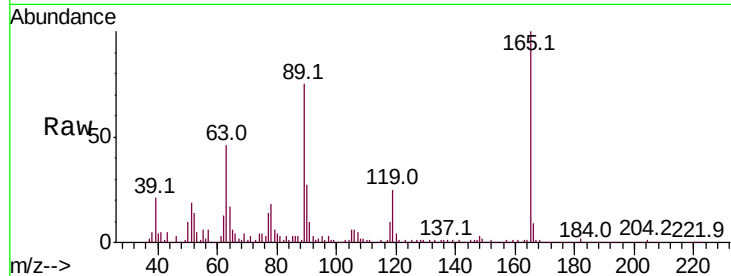
#57
2,4-Dinitrotoluene
Concen: 35.649 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	46.5	34.6	52.0
89	75.3	56.2	84.4
182	2.4	1.8	2.6

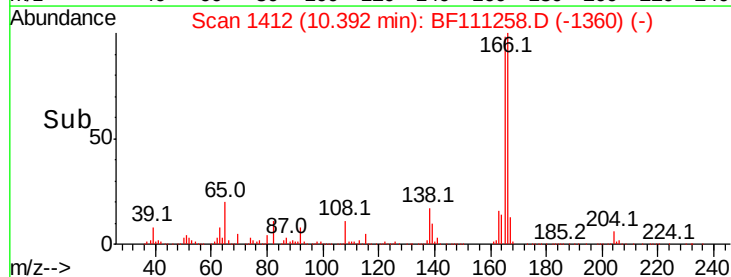
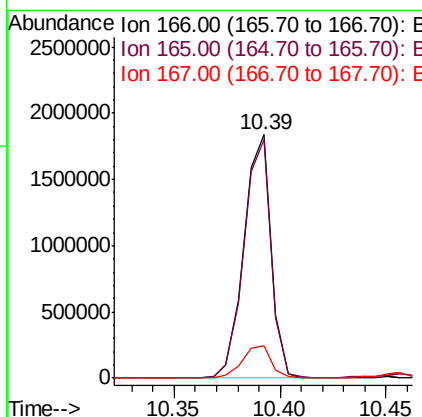
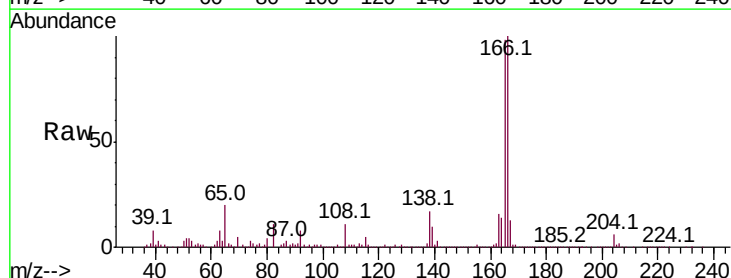
Manual Integrations
APPROVED

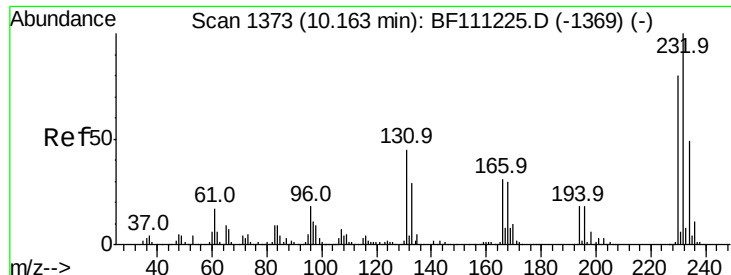
Sohil
12/11/2018 2:23:42 PM



#58
Fluorene
Concen: 34.495 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.4	117.6
167	13.3	11.2	16.8





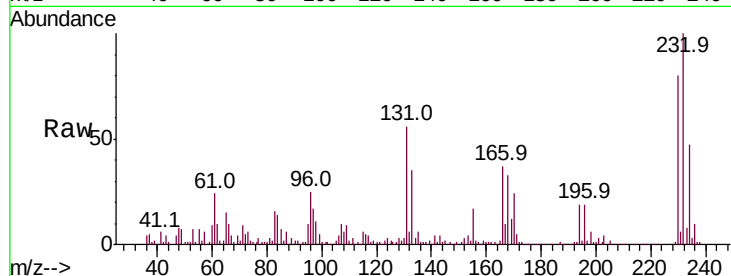
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 32.735 ng
 RT: 10.16 min Scan# 1373
 Delta R.T. -0.00 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	407577		
131	50.9	40.9	61.3	
130	2.8	2.0	3.0	
166	34.3	26.8	40.2	

Manual Integrations
 APPROVED

Sohil
 12/11/2018 2:23:42 PM



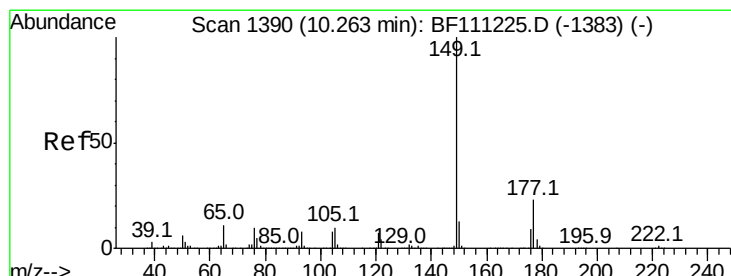
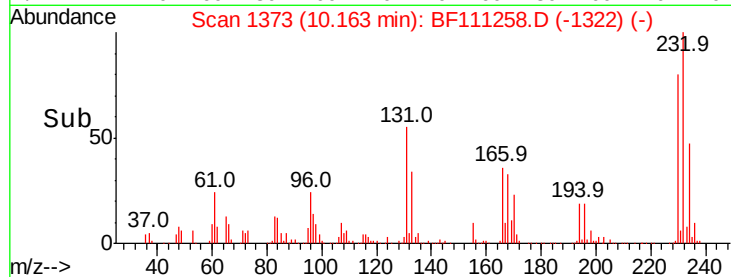
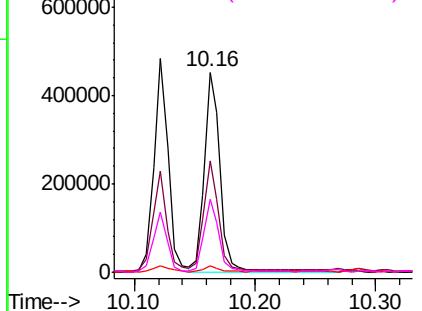
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

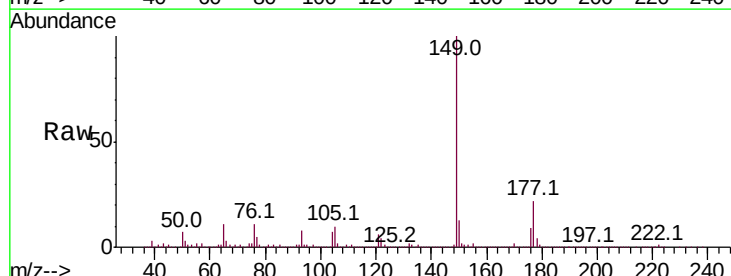
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 34.800 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1848151		
177	21.9	18.3	27.5	
150	13.2	10.6	15.8	

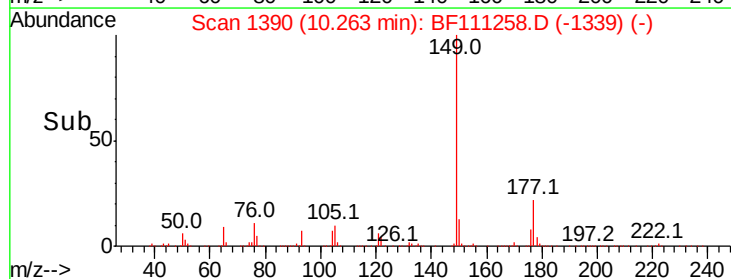
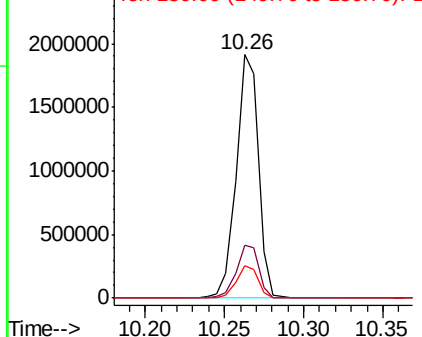


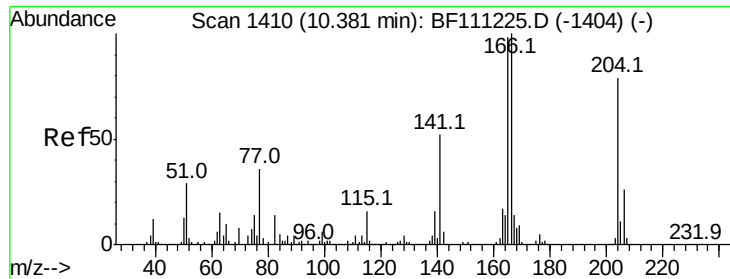
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





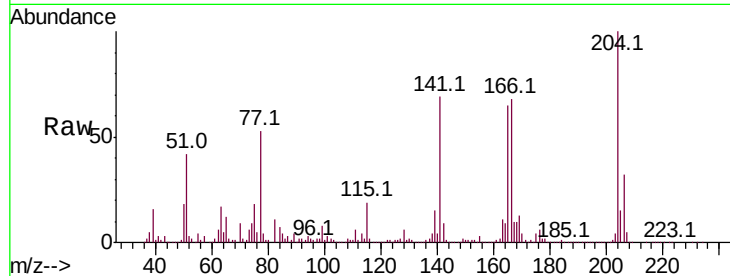
#61
4-Chlorophenyl-phenylether
Concen: 30.599 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.6	39.8
141	68.8	52.6	78.8

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:42 PM

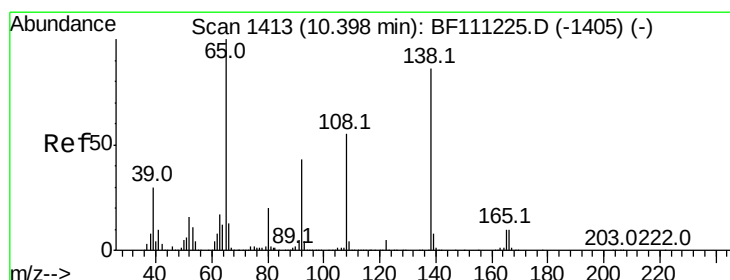
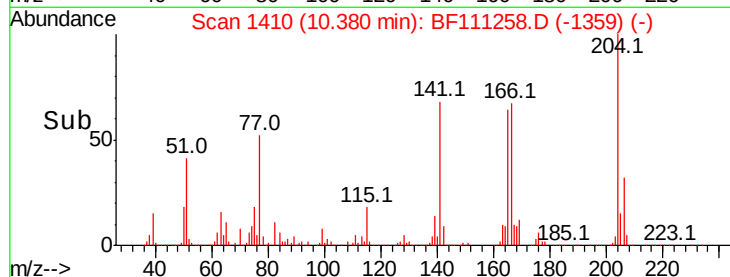
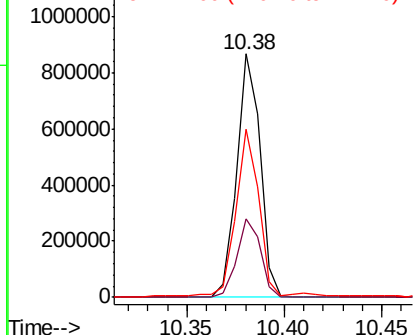


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 25.077 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

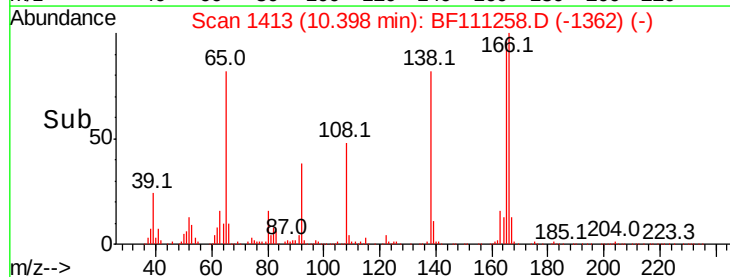
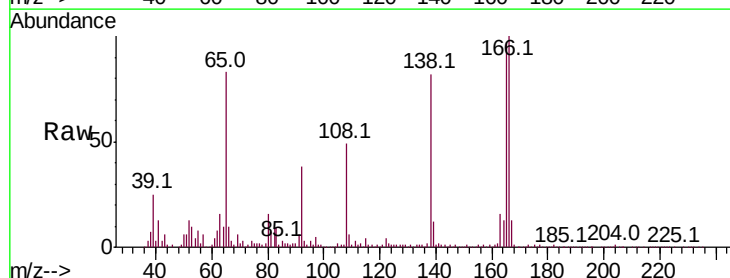
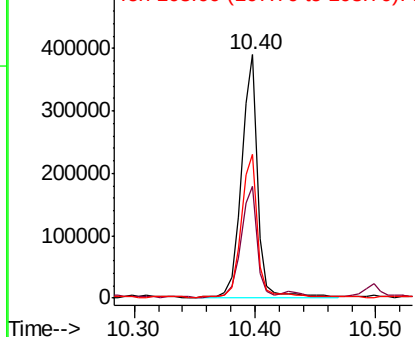
Tgt Ion	Ratio	Lower	Upper
138	100		
92	46.1	29.9	69.9
108	59.2	43.2	83.2

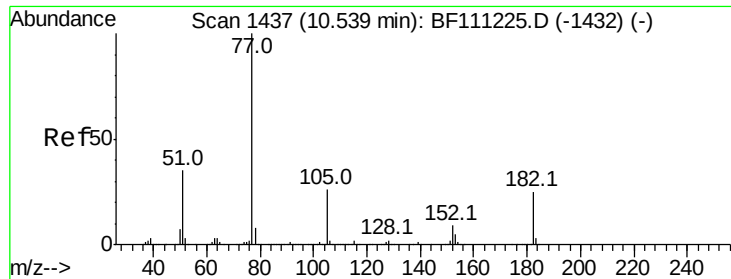
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





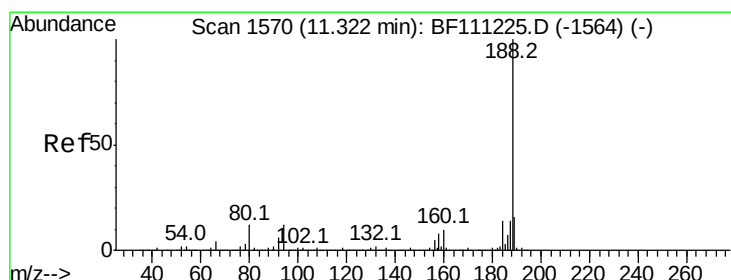
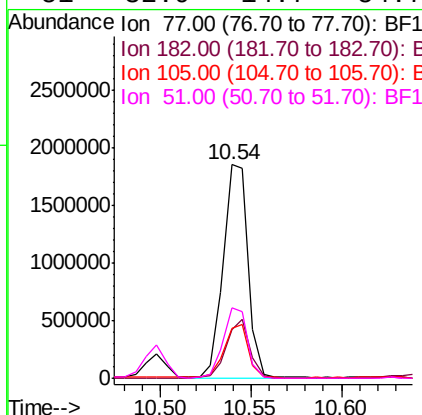
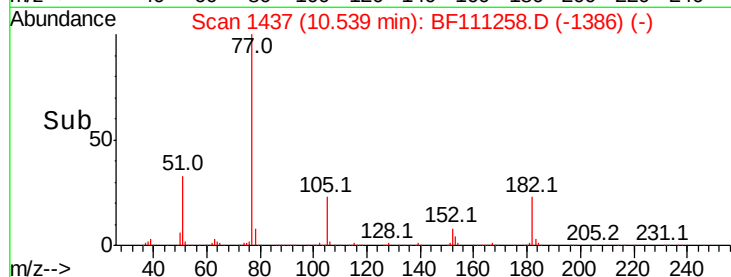
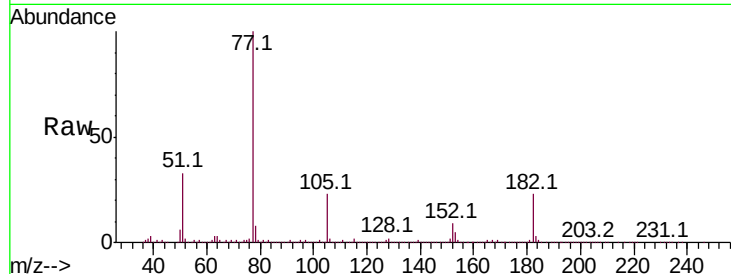
#63
Azobenzene
Concen: 31.875 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion: 77 Resp: 1757461
Ion Ratio Lower Upper
77 100
182 22.8 4.9 44.9
105 23.1 6.0 46.0
51 32.9 14.7 54.7

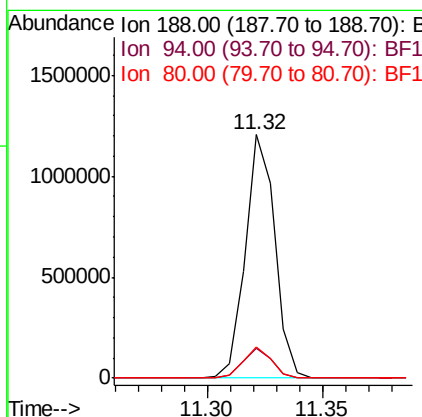
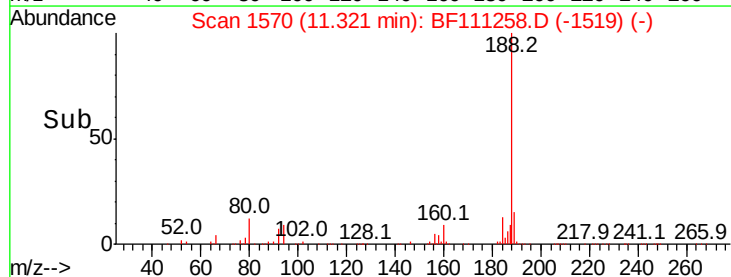
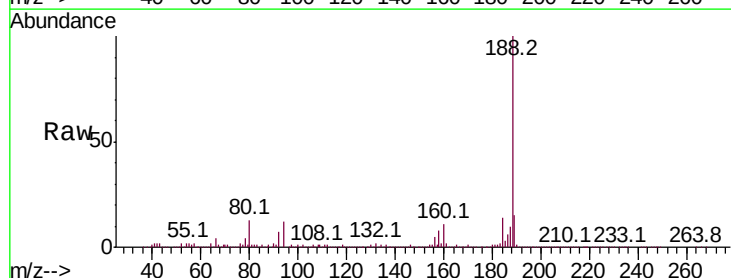
Manual Integrations
APPROVED

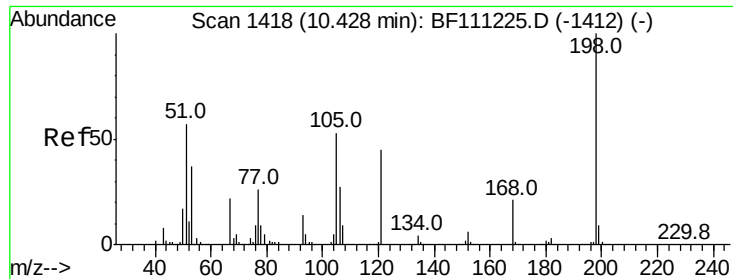
Sohil
12/11/2018 2:23:42 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion: 188 Resp: 1079160
Ion Ratio Lower Upper
188 100
94 12.3 9.6 14.4
80 12.7 9.8 14.6





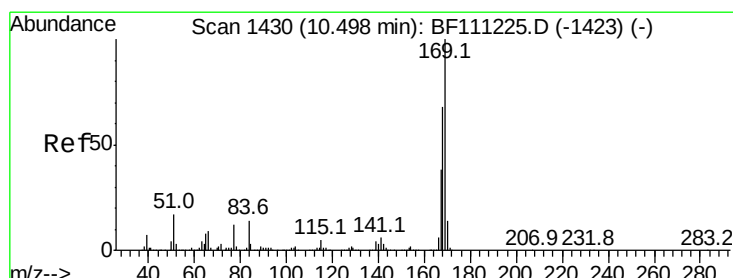
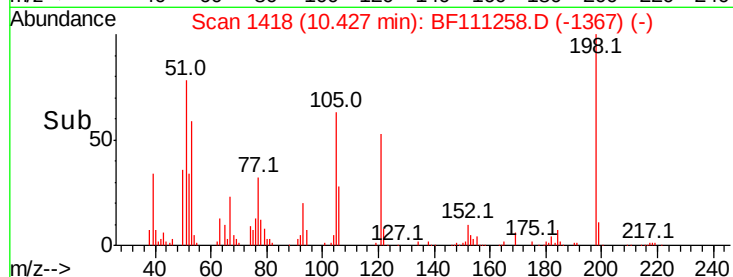
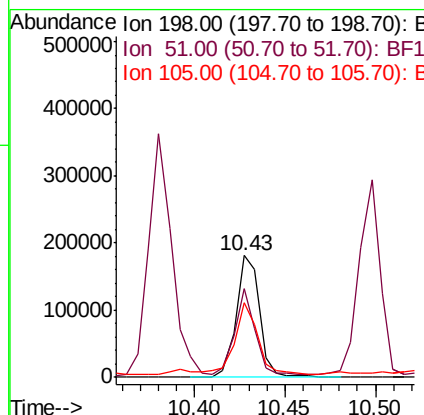
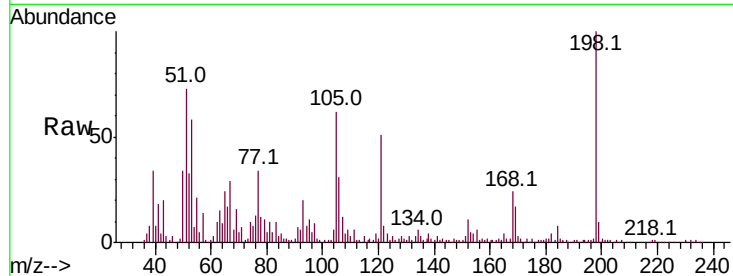
#65
4,6-Dinitro-2-methylphenol
Concen: 26.031 ng
RT: 10.43 min Scan# 1418
Delta R.T. 0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	163355		
51	72.5	48.0	88.0	
105	61.7	34.0	74.0	

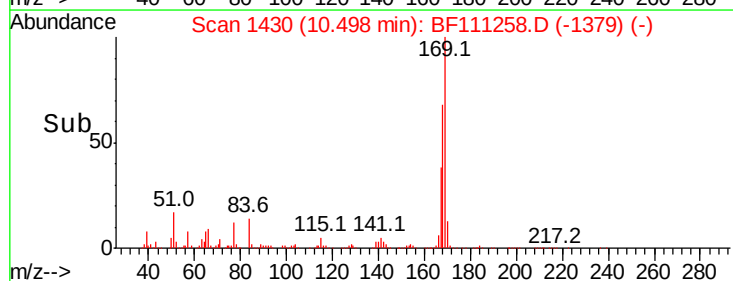
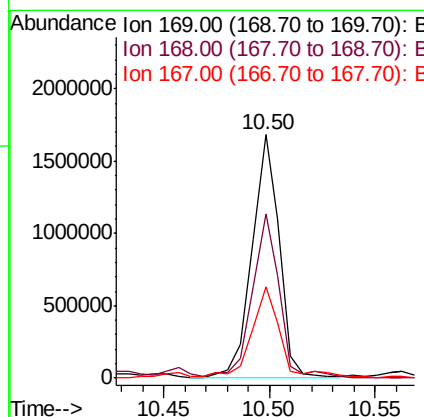
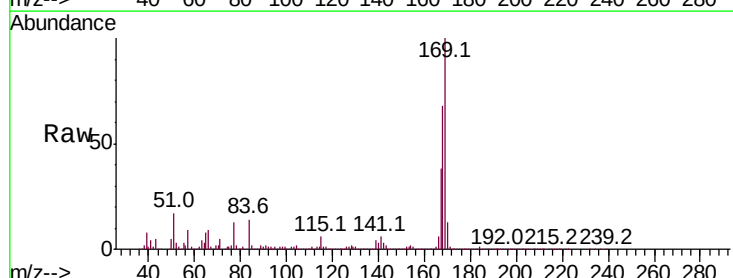
Manual Integrations
APPROVED

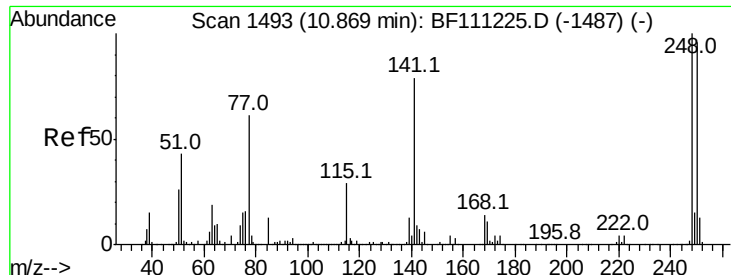
Sohil
12/11/2018 2:23:42 PM



#66
n-Nitrosodiphenylamine
Concen: 40.600 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1491465		
168	67.7	54.4	81.6	
167	37.7	30.5	45.7	





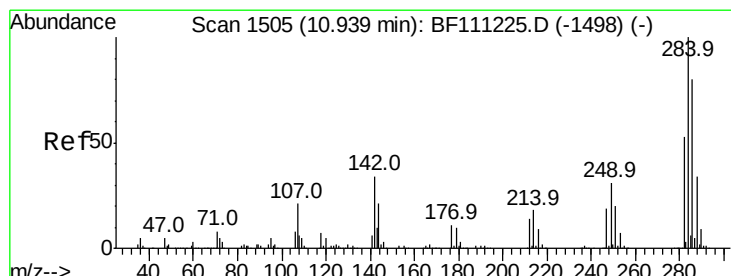
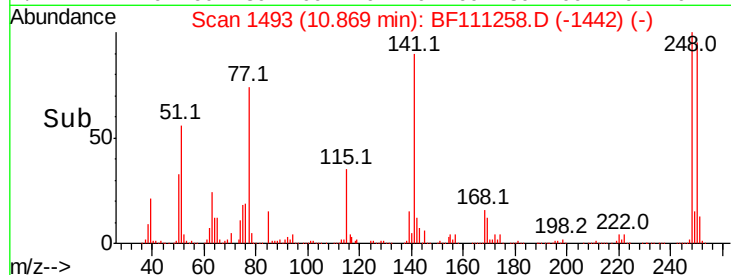
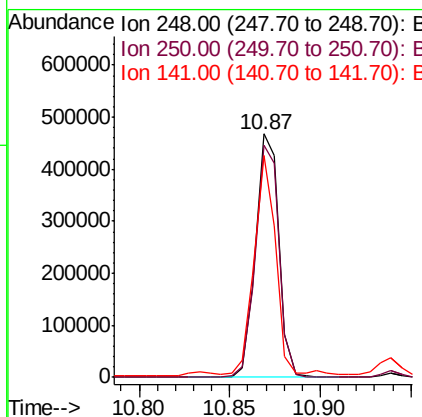
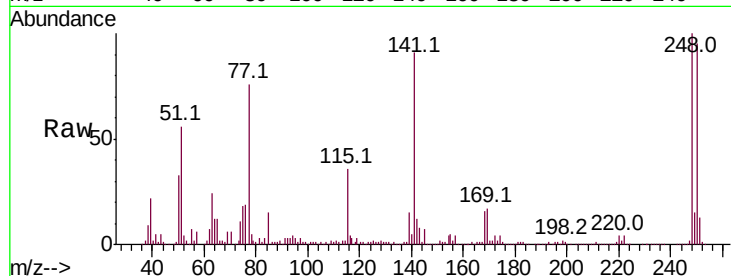
#67
 4-Bromophenyl-phenylether
 Concen: 35.260 ng
 RT: 10.87 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2MSD

Tot Ion:	248	Resp:	416770
Ion Ratio	Lower	Upper	
248	100		
250	95.1	77.0	115.4
141	91.2	63.0	94.6

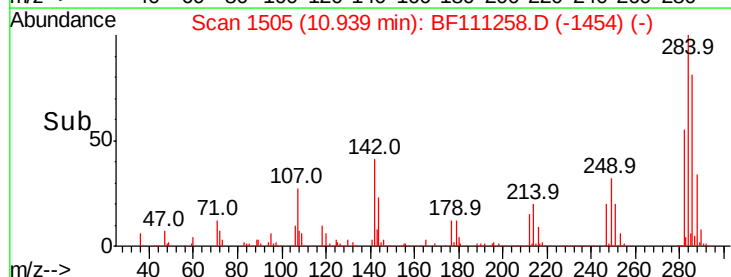
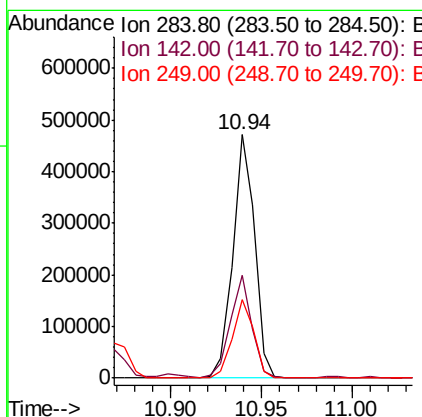
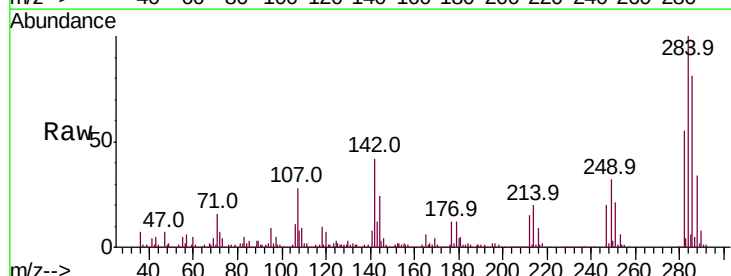
Manual Integrations
 APPROVED

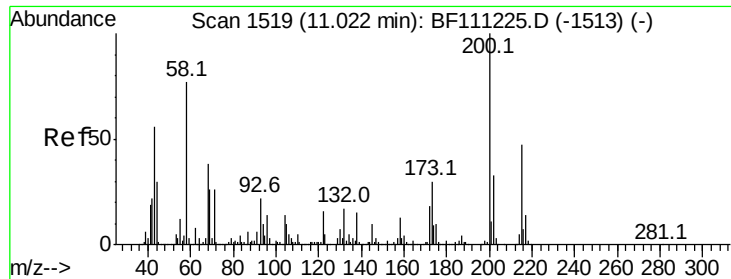
Sohil
 12/11/2018 2:23:42 PM



#68
 Hexachlorobenzene
 Concen: 32.714 ng
 RT: 10.94 min Scan# 1505
 Delta R.T. -0.00 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Tgt Ion:	284	Resp:	393349
Ion Ratio	Lower	Upper	
284	100		
142	42.2	27.4	41.2#
249	32.3	24.4	36.6





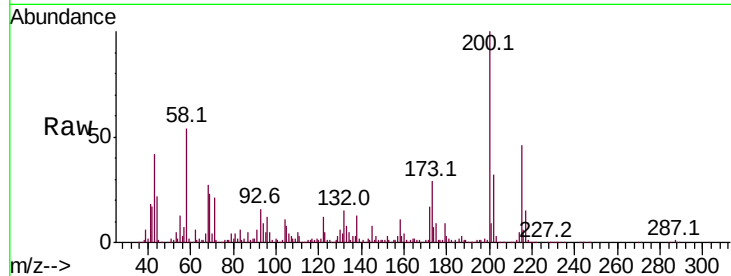
#69
Atrazine
Concen: 36.993 ng
RT: 11.03 min Scan# 1520
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	28.6	10.1	50.1
215	45.5	26.9	66.9

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:42 PM

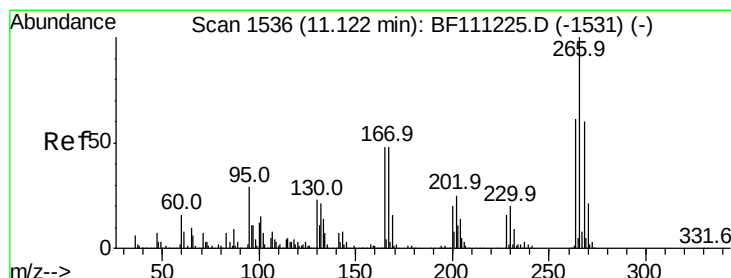
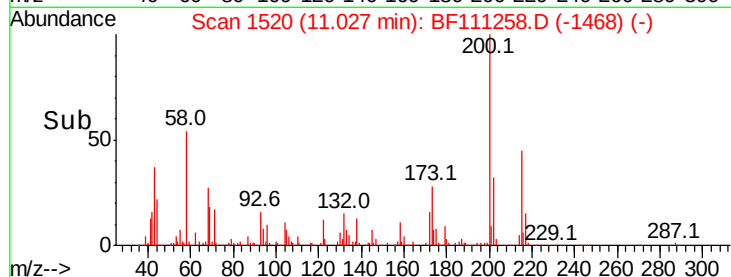
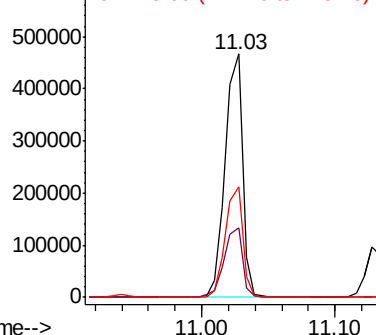


Abundance

Ion 200.00 (199.70 to 200.70): E

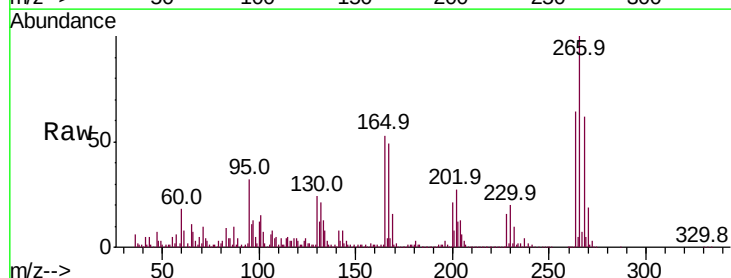
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 53.566 ng
RT: 11.13 min Scan# 1537
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	61.6	47.9	71.9
264	64.2	49.1	73.7

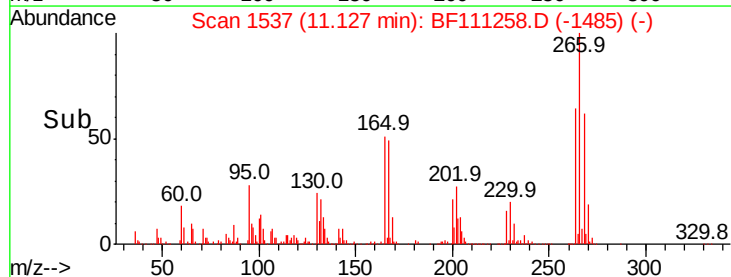
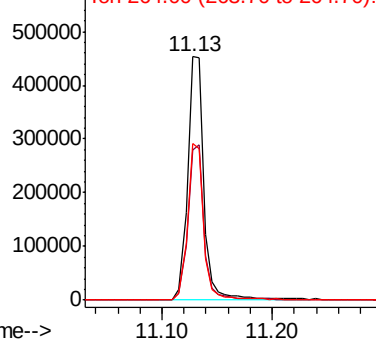


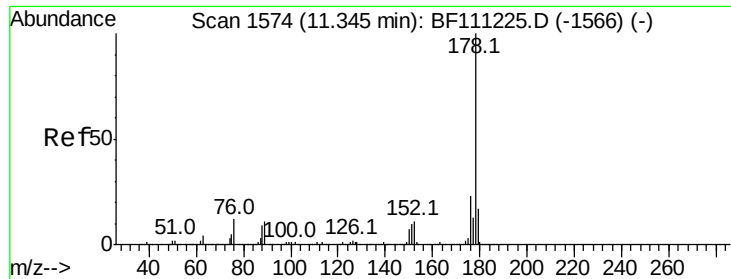
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





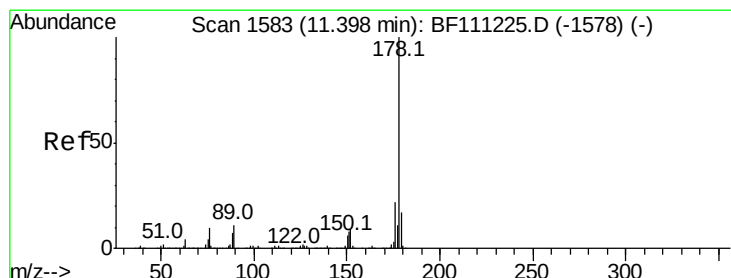
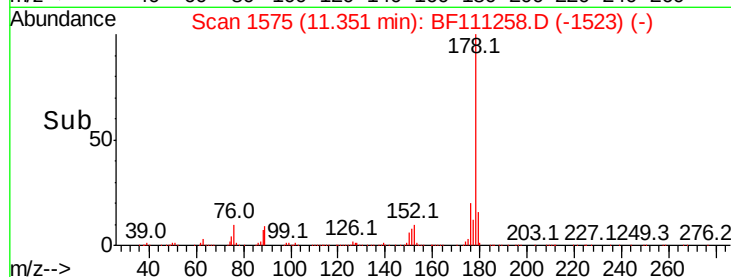
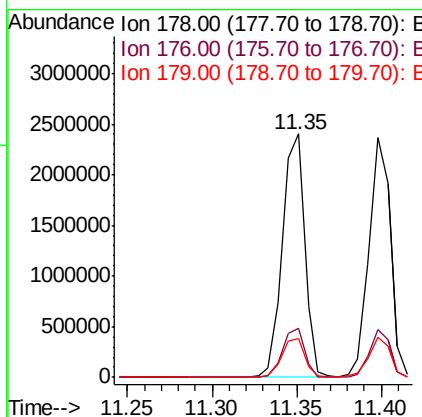
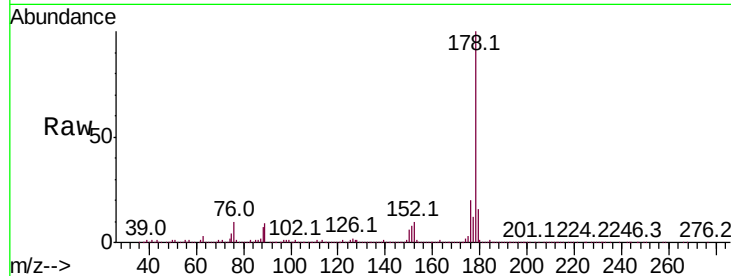
#71
Phenanthrene
Concen: 40.049 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	18.1	27.1
179	16.2	14.0	21.0

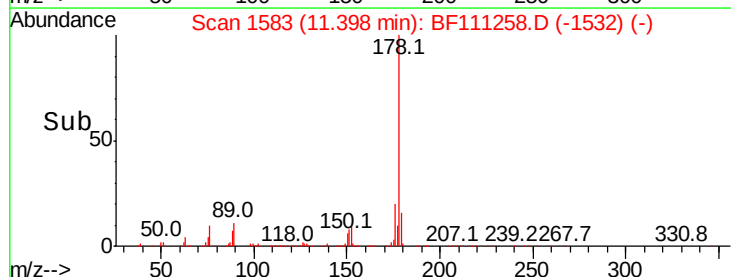
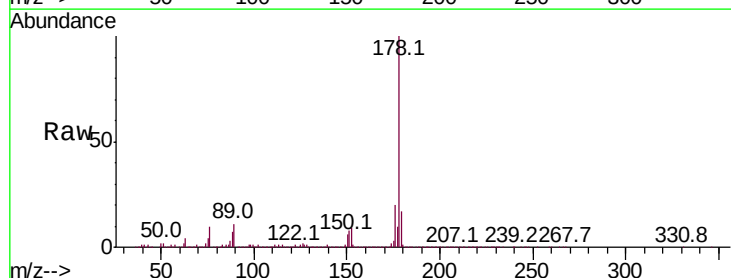
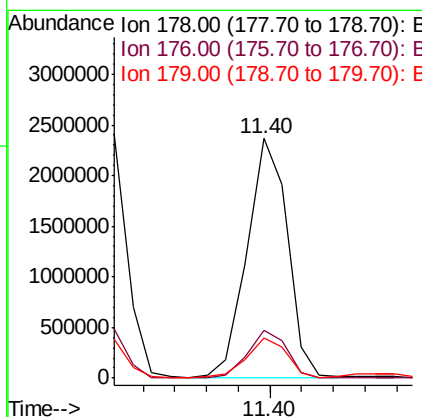
Manual Integrations
APPROVED

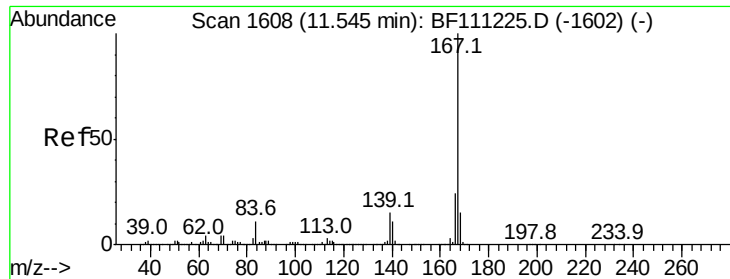
Sohil
12/11/2018 2:23:42 PM



#72
Anthracene
Concen: 36.416 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	17.2	25.8
179	16.6	13.8	20.8





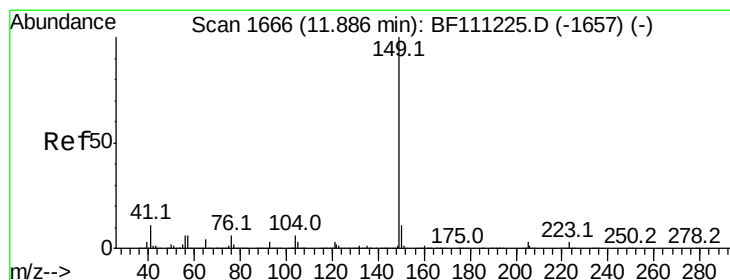
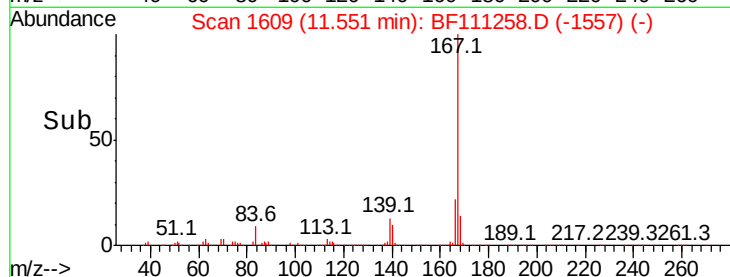
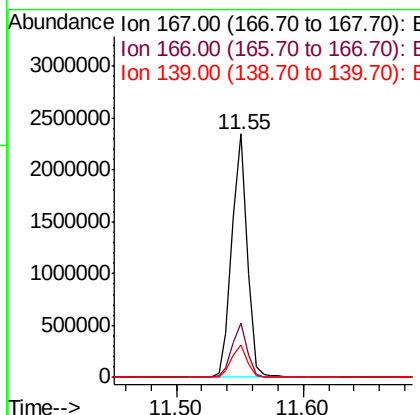
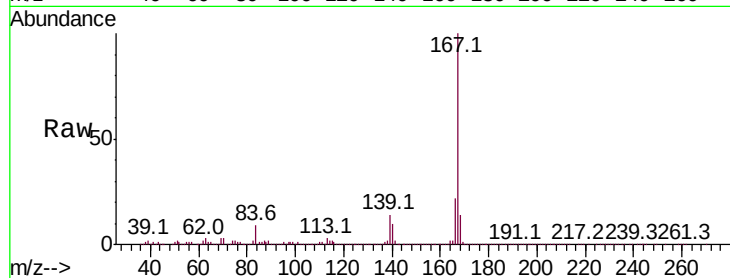
#73
 Carbazole
 Concen: 32.694 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	19.3	28.9
139	13.5	11.9	17.9

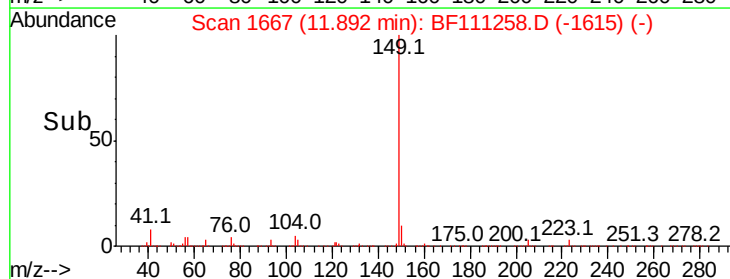
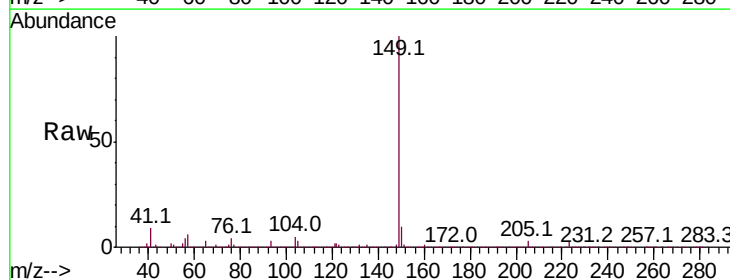
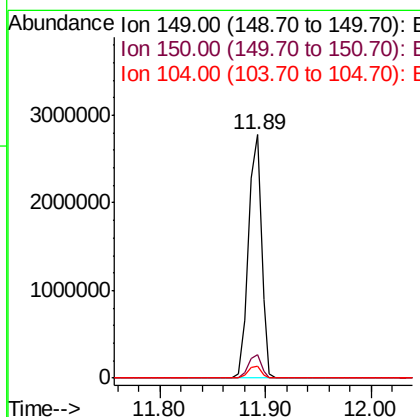
Manual Integrations
 APPROVED

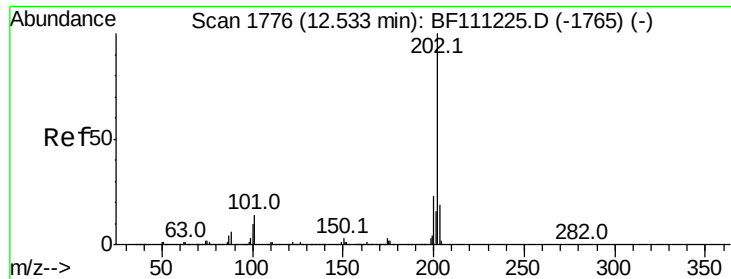
Sohil
 12/11/2018 2:23:42 PM



#74
 Di-n-butylphthalate
 Concen: 38.897 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. 0.01 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	8.8	13.2
104	4.7	4.5	6.7





#75

Fluoranthene

Concen: 40.406 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Instrument :

BNA_F

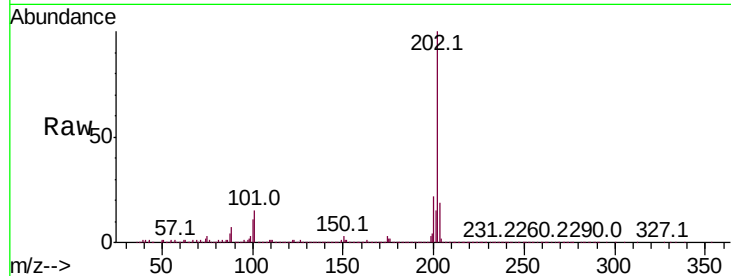
ClientSampleId :

SAMPLE-2MSD

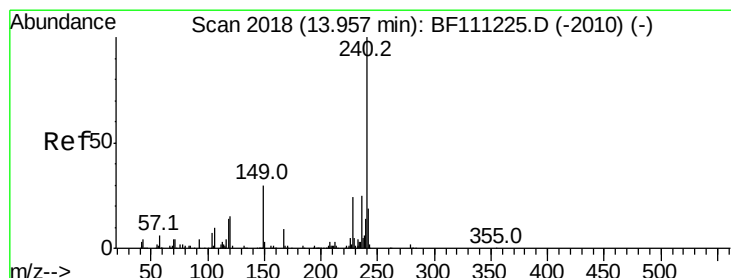
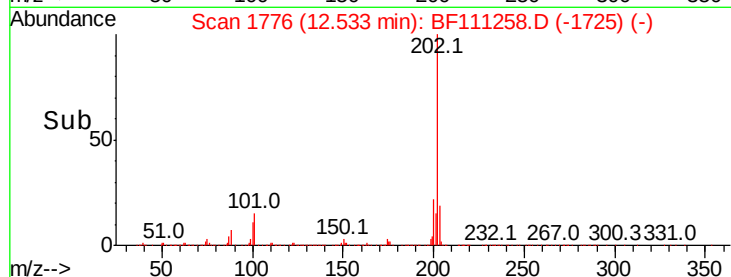
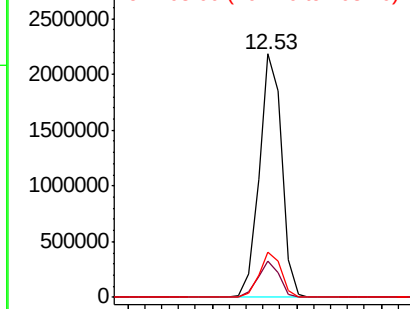
Tot Ion:	202	Resp:	2009107
Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	33.8
203	18.6	0.0	38.6

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:42 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

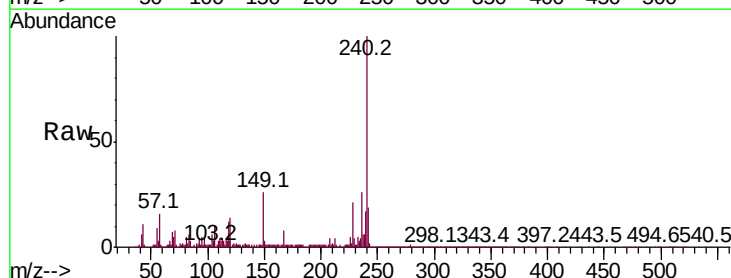
RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

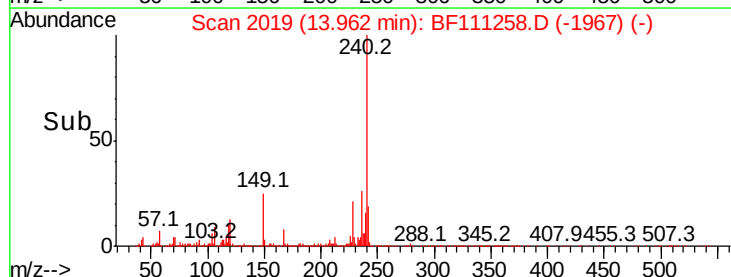
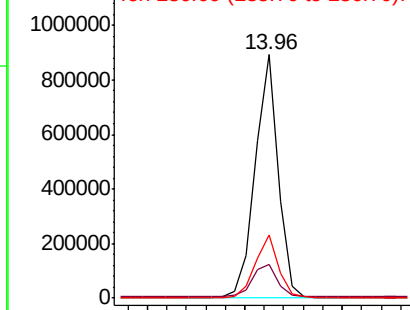
Lab File: BF111258.D

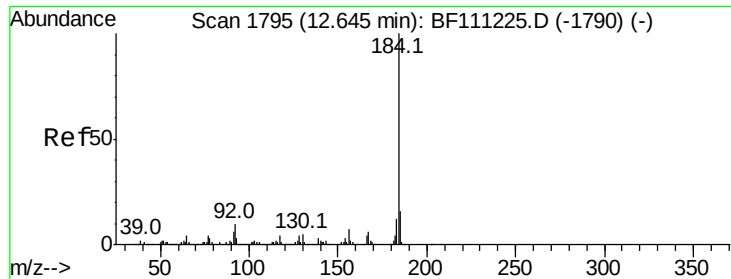
Acq: 10 Dec 2018 22:36

Tgt Ion:	240	Resp:	728171
Ion	Ratio	Lower	Upper
240	100		
120	13.9	12.2	18.2
236	25.9	20.2	30.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 26.133 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.01 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Instrument :

BNA_F

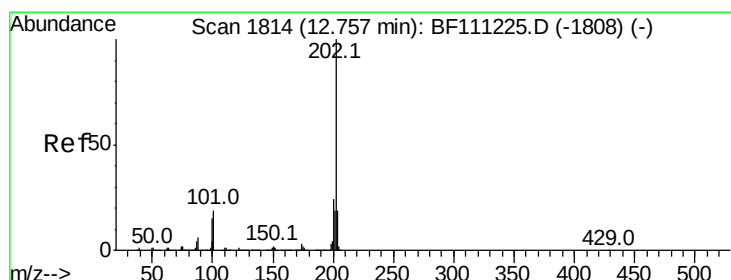
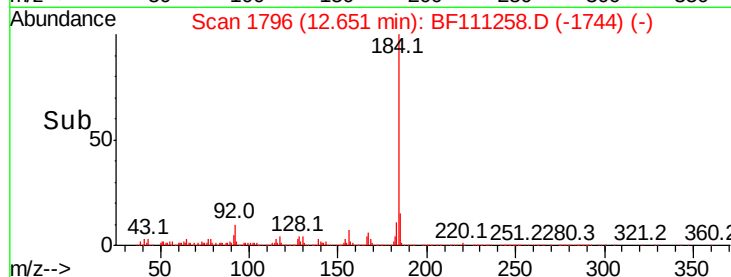
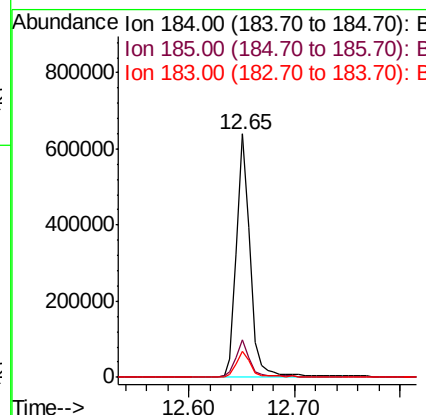
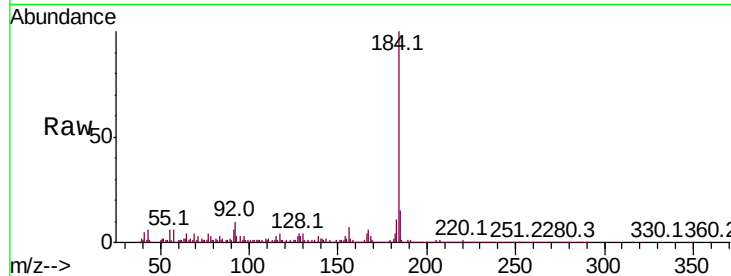
ClientSampleId :

SAMPLE-2MSD

Tot Ion:	184	Resp:	565024
Ion Ratio	Lower	Upper	
184	100		
185	15.3	13.0	19.6
183	10.9	9.3	13.9

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:42 PM



#78

Pyrene

Concen: 39.071 ng

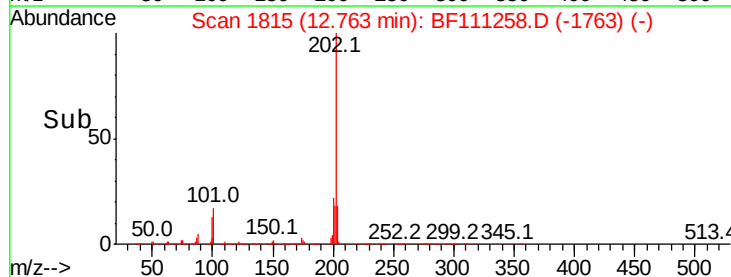
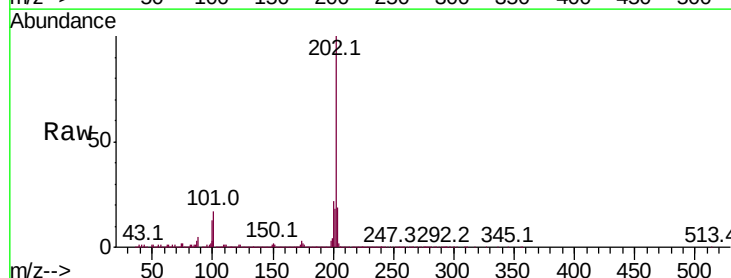
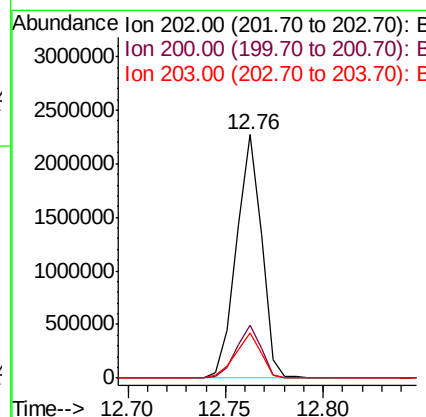
RT: 12.76 min Scan# 1815

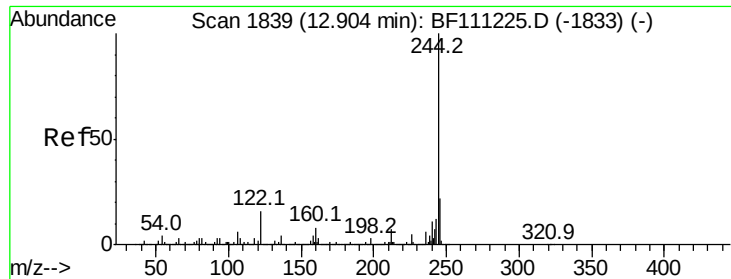
Delta R.T. 0.01 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Tgt Ion:	202	Resp:	2033073
Ion Ratio	Lower	Upper	
202	100		
200	21.9	19.0	28.4
203	18.5	15.2	22.8





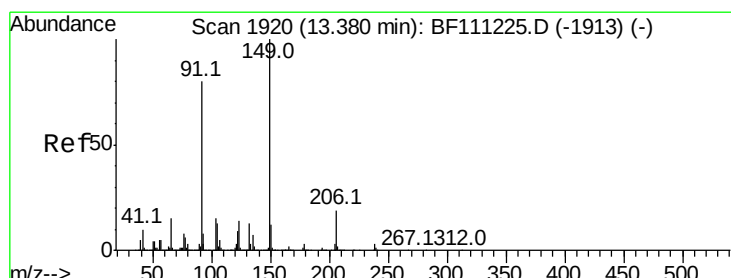
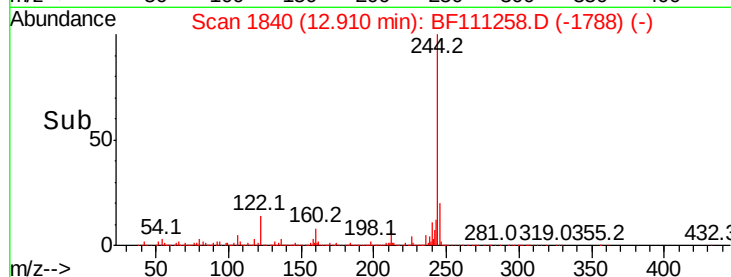
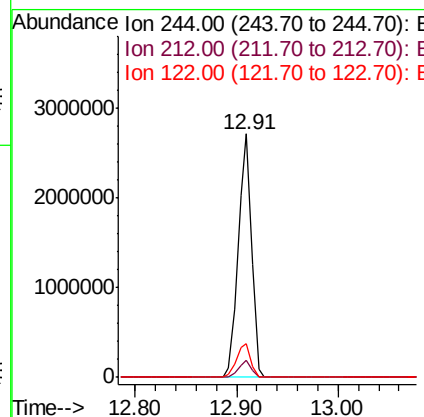
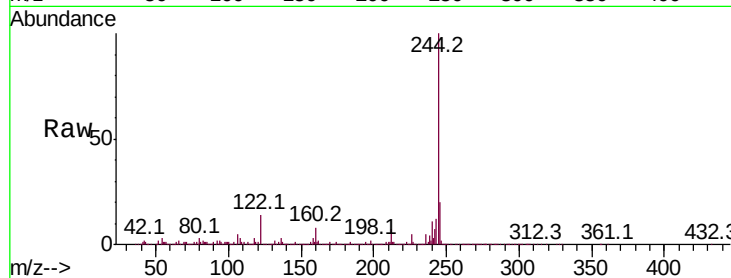
#79
 Terphenyl-d14
 Concen: 81.471 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	13.8	13.1	19.7

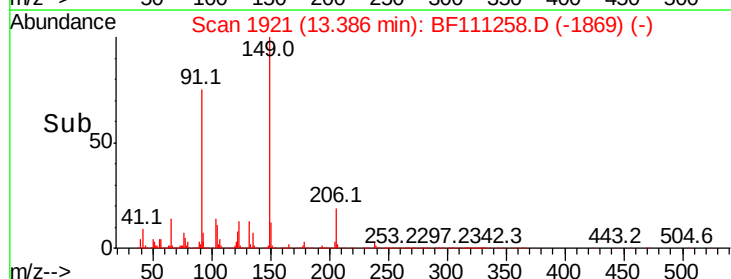
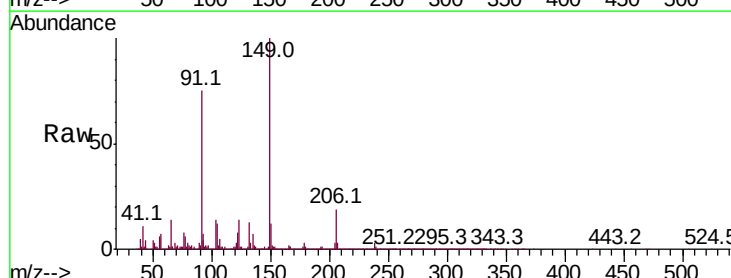
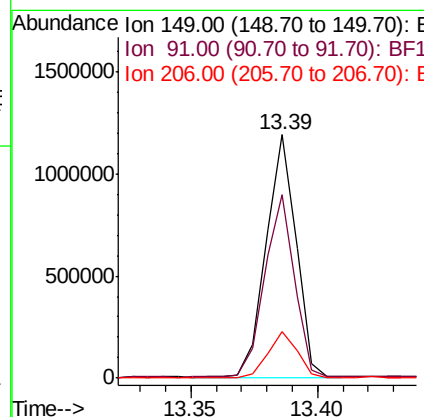
Manual Integrations
 APPROVED

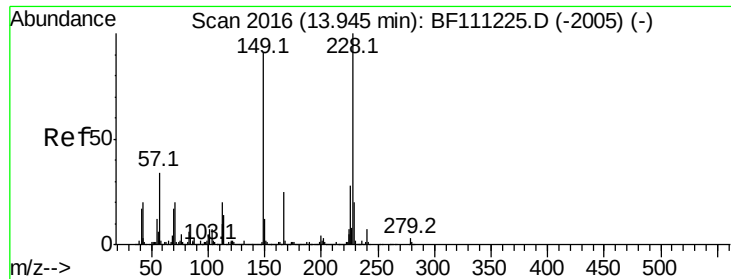
Sohil
 12/11/2018 2:23:42 PM



#80
 Butylbenzylphthalate
 Concen: 36.151 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: BF111258.D
 Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.2	63.8	95.6
206	19.1	15.1	22.7





#81

Benzo(a)anthracene

Concen: 36.723 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2MSD

Tot Ion:228 Resp: 1491850

Ion Ratio Lower Upper

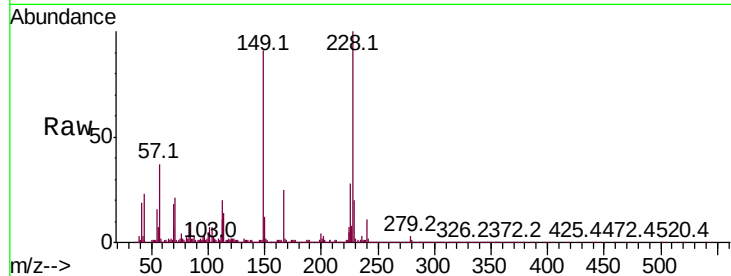
228 100

226 27.7 22.6 34.0

229 20.2 16.3 24.5

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:42 PM

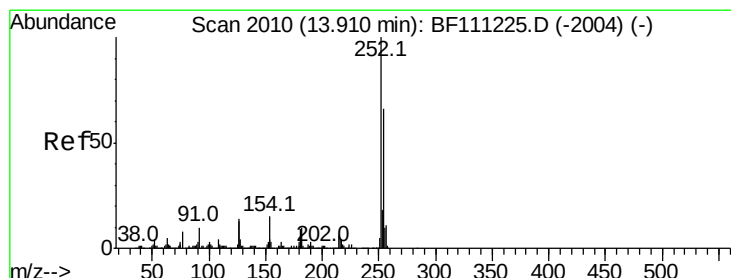
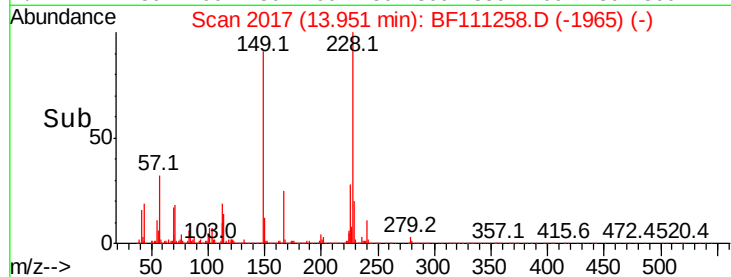
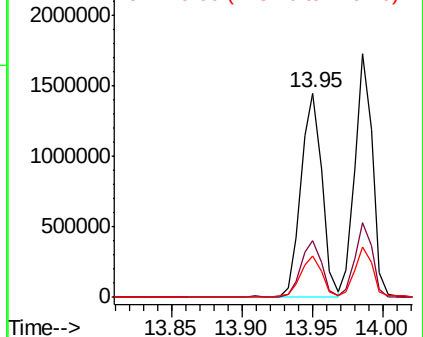


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 19.175 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BF111258.D

Acq: 10 Dec 2018 22:36

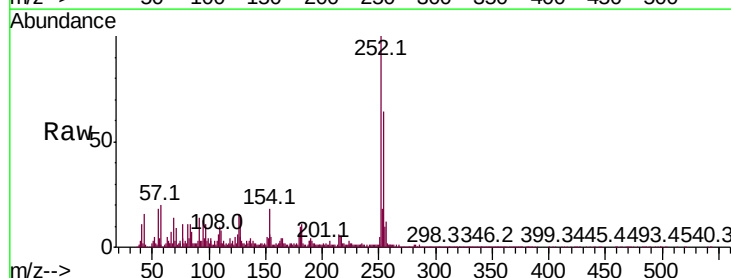
Tgt Ion:252 Resp: 319277

Ion Ratio Lower Upper

252 100

254 63.9 52.7 79.1

126 16.3 11.1 16.7

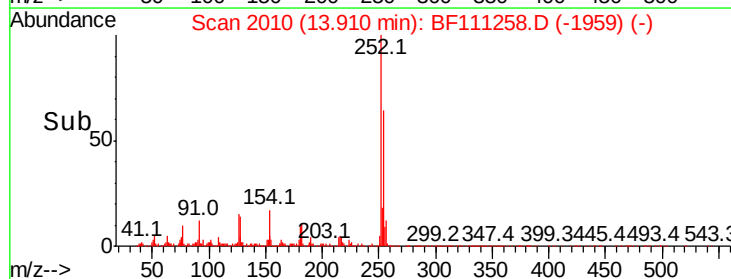
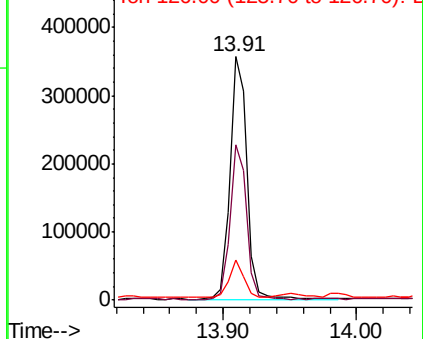


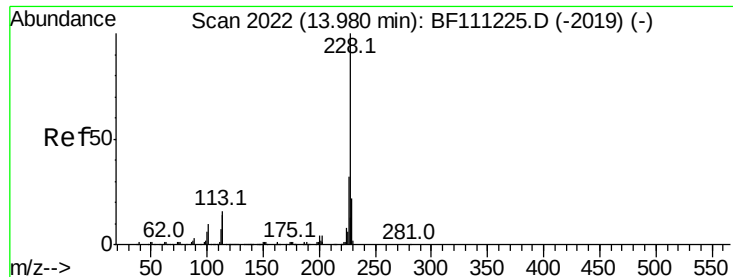
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





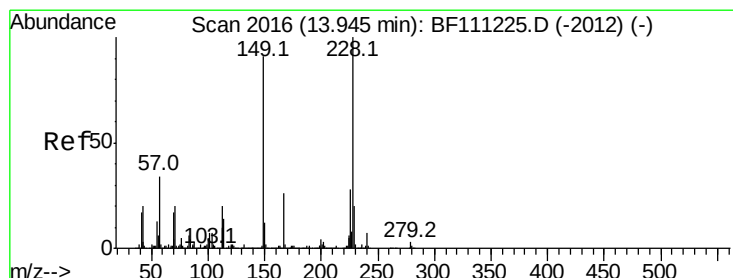
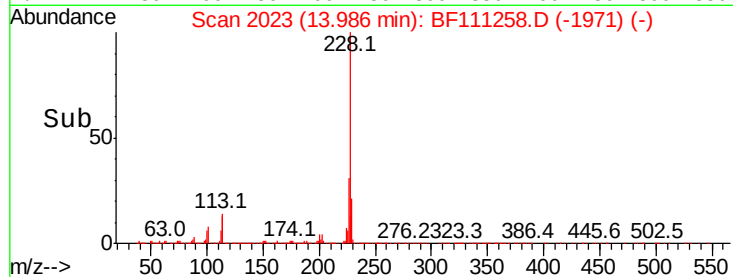
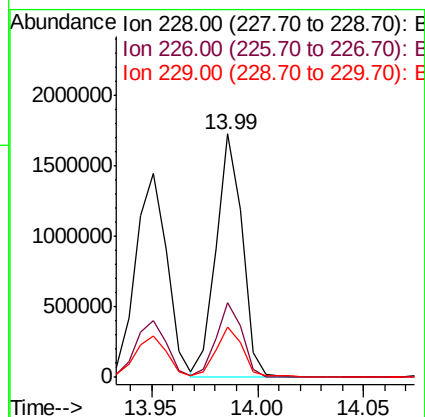
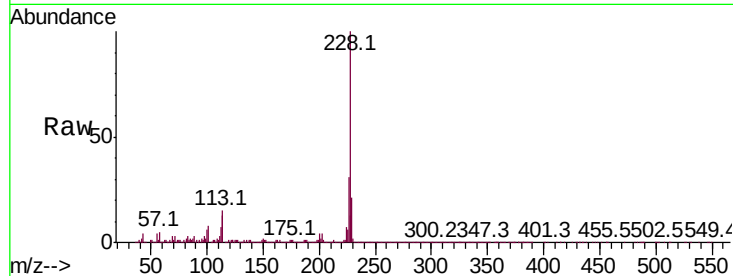
#83
Chrysene
Concen: 35.504 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.3	37.9
229	20.7	17.2	25.8

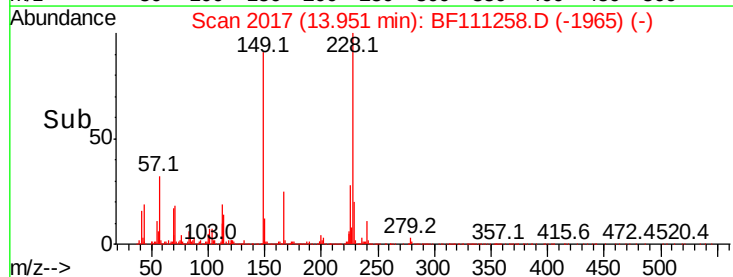
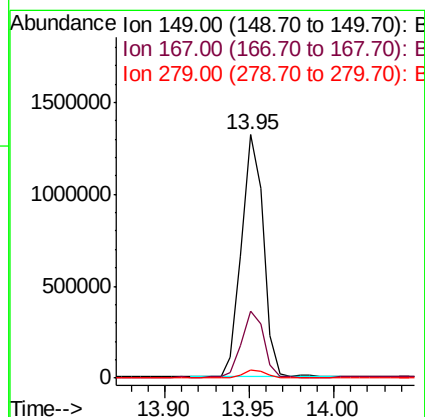
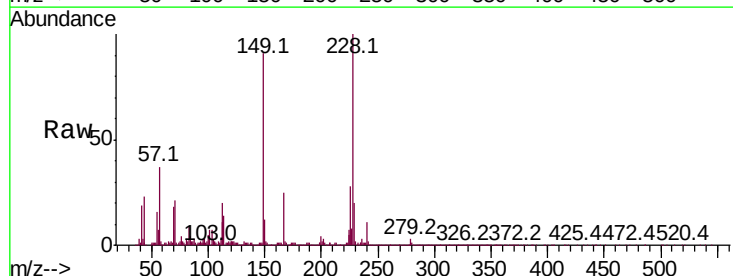
Manual Integrations
APPROVED

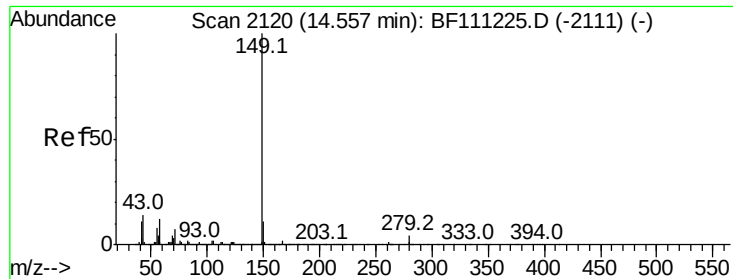
Sohil
12/11/2018 2:23:42 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 36.663 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.5	33.7
279	3.3	2.6	4.0





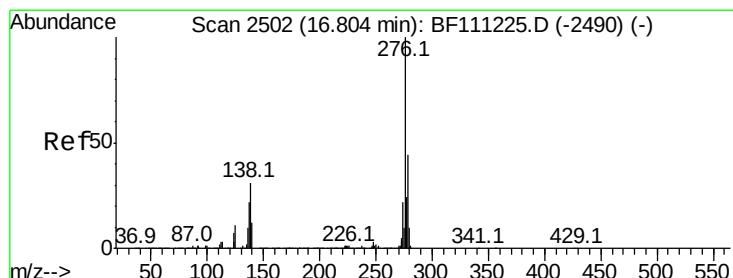
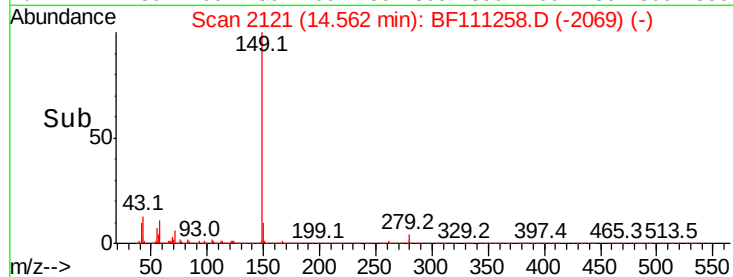
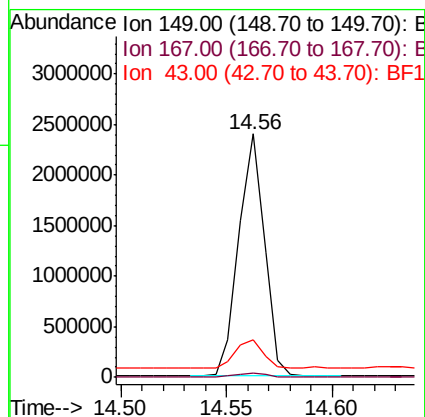
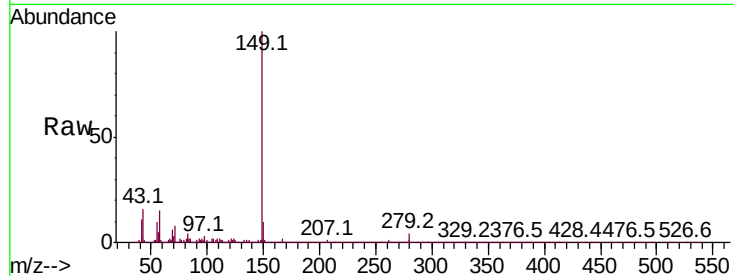
#85
Di-n-octyl phthalate
Concen: 37.450 ng
RT: 14.56 min Scan# 2121
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.3	10.9	16.3

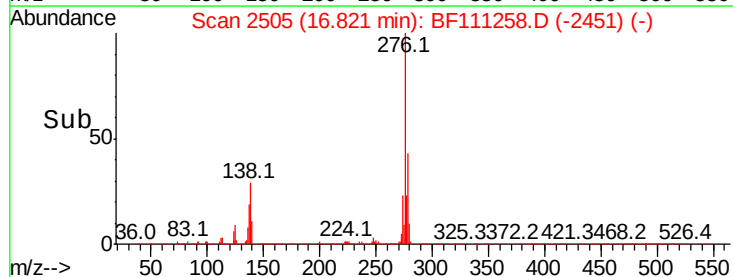
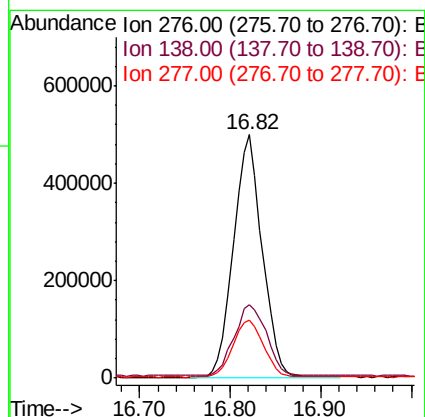
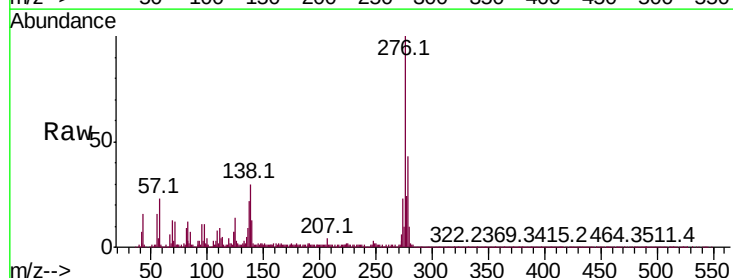
Manual Integrations
APPROVED

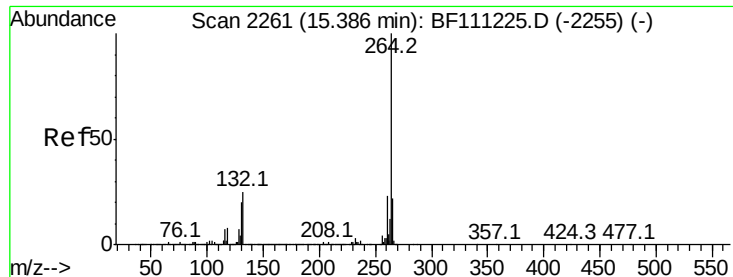
Sohil
12/11/2018 2:23:42 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 32.419 ng
RT: 16.82 min Scan# 2505
Delta R.T. 0.02 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.9	27.8	41.6
277	25.1	20.1	30.1





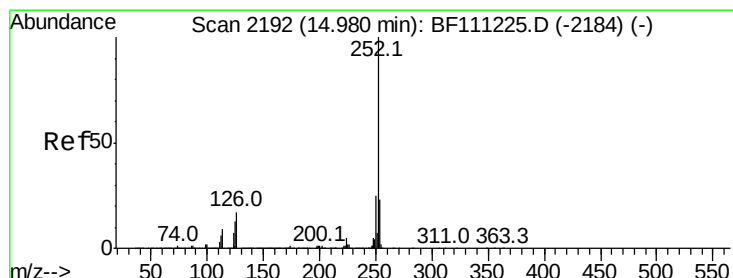
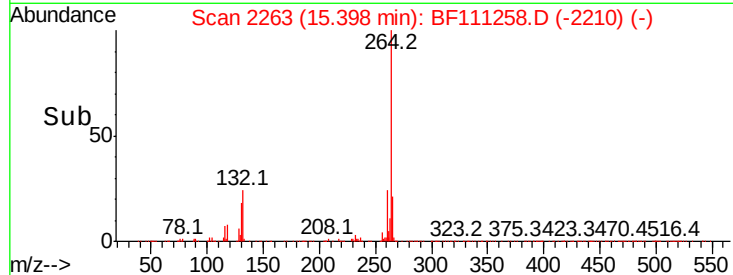
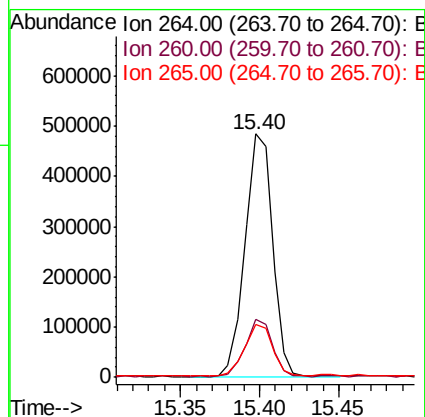
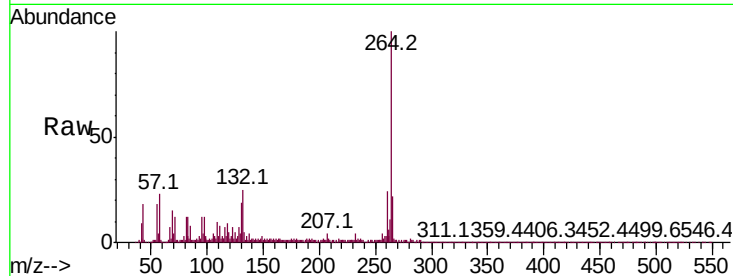
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.3	27.5
265	21.9	17.7	26.5

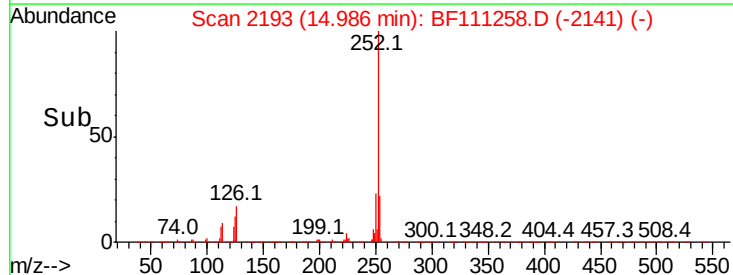
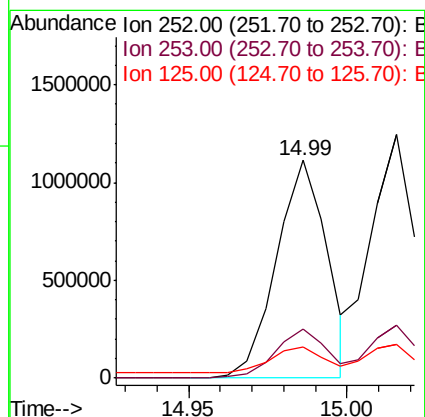
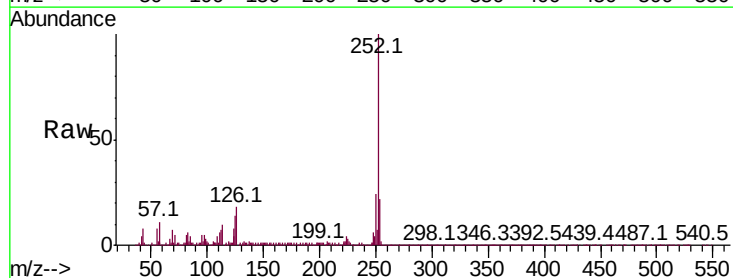
Manual Integrations
APPROVED

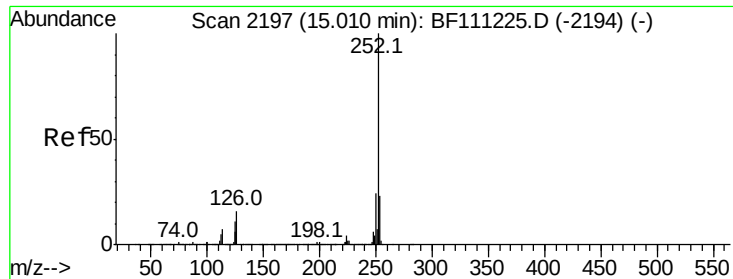
Sohil
12/11/2018 2:23:42 PM



#88
Benzo(b)fluoranthene
Concen: 38.293 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	14.2	10.4	15.6





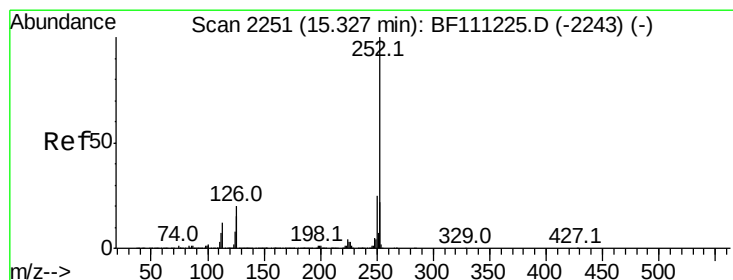
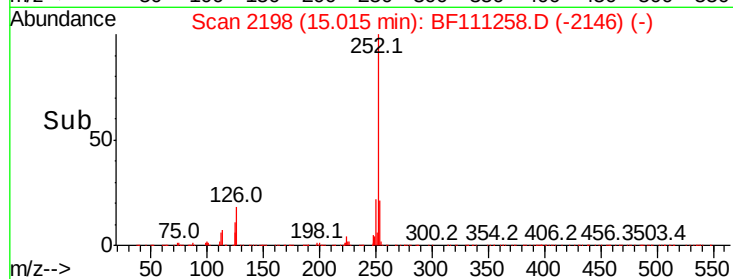
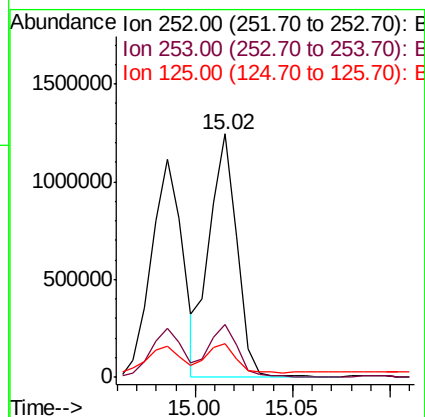
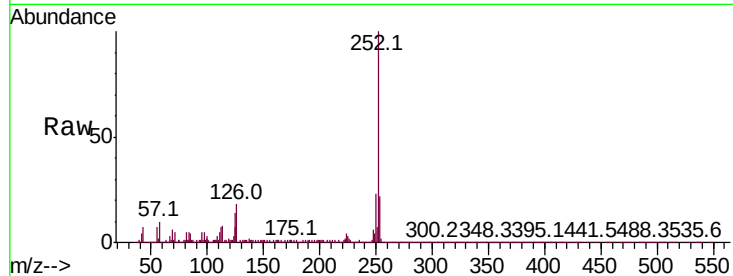
#89
Benzo(k)fluoranthene
Concen: 39.847 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	13.6	9.8	14.8

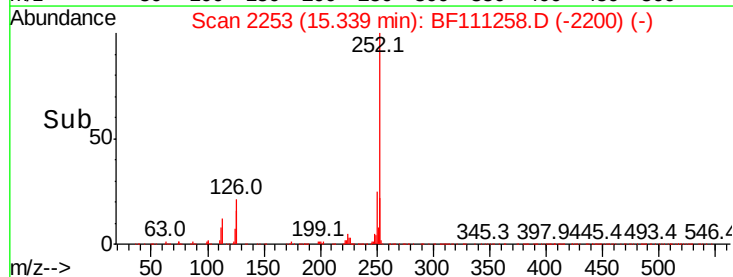
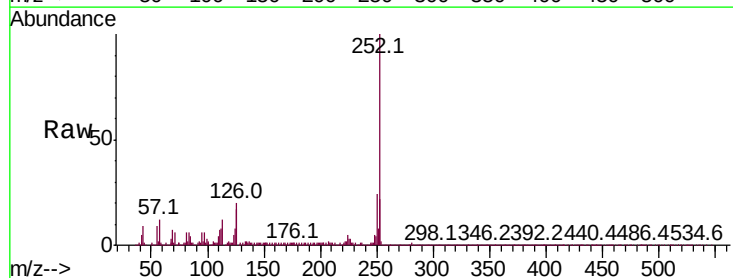
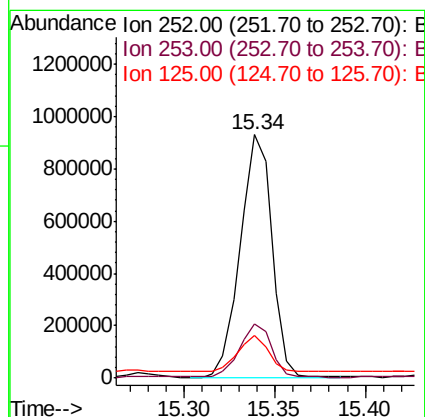
Manual Integrations
APPROVED

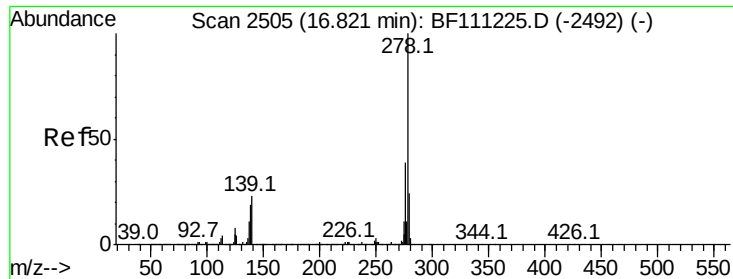
Sohil
12/11/2018 2:23:42 PM



#90
Benzo(a)pyrene
Concen: 37.984 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.01 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	17.3	12.3	18.5





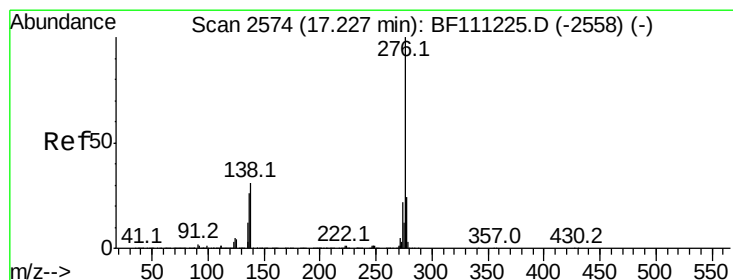
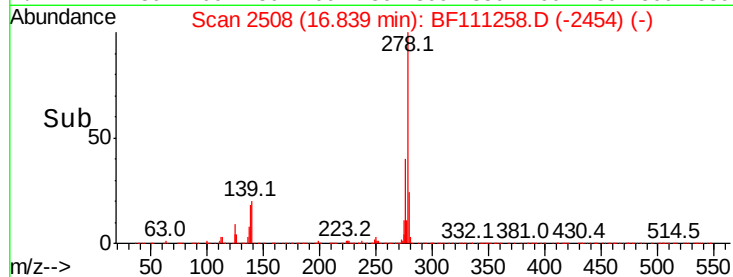
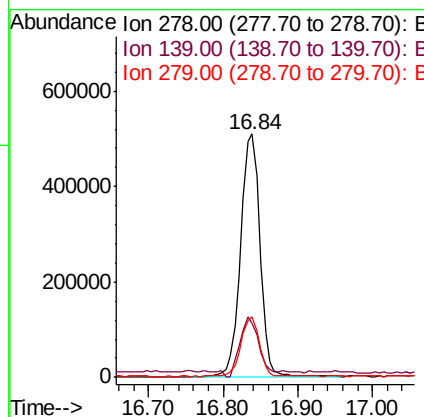
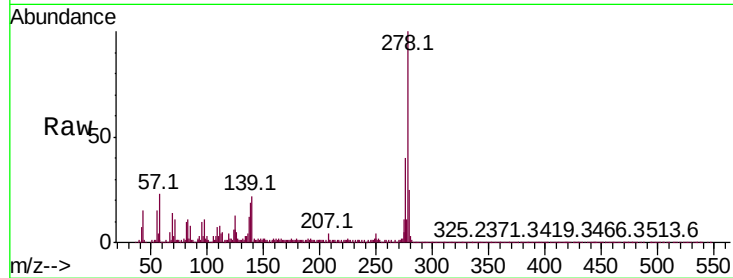
#91
Dibenzo(a,h)anthracene
Concen: 39.400 ng
RT: 16.84 min Scan# 2508
Delta R.T. 0.02 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.2	18.2	27.4
279	24.7	19.0	28.6

Manual Integrations
APPROVED

Sohil
12/11/2018 2:23:42 PM



#92
Benzo(g,h,i)perylene
Concen: 39.240 ng
RT: 17.24 min Scan# 2577
Delta R.T. 0.02 min
Lab File: BF111258.D
Acq: 10 Dec 2018 22:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.2	28.8
138	29.3	24.9	37.3

