

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104743.D
 Acq On : 24 Apr 2018 8:16
 Operator : JU/SJ
 Sample : J2497-01MS
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MS

Manual Integrations
 APPROVED

Sohil

4/24/2018 3:49:15 PM

Quant Time: Apr 24 11:21:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	103770	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	353868	20.00	ng	0.01
38) Acenaphthene-d10	9.85	164	157553	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	238572	20.00	ng	0.02
75) Chrysene-d12	14.04	240	83866	20.00	ng	0.05
86) Perylene-d12	15.53	264	102270m	20.00	ng	0.08

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	800335	117.93	ng	0.02
7) Phenol-d6	6.46	99	945541	113.40	ng	0.02
23) Nitrobenzene-d5	7.38	82	545707	100.70	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	184629	112.97	ng	0.01
44) 2-Fluorobiphenyl	9.17	172	927980	93.05	ng	0.00
78) Terphenyl-d14	12.95	244	598191	162.61	ng	0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.50	88	77516	24.513	ng	89
3) Pyridine	3.26	79	228000	25.644	ng	# 84
4) n-Nitrosodimethylamine	3.20	42	92926	29.900	ng	# 76
6) Aniline	6.48	93	101294	8.744	ng	# 1
8) 2-Chlorophenol	6.60	128	240498	33.575	ng	94
9) Benzaldehyde	6.36	77	146384m	32.662	ng	
10) Phenol	6.47	94	297897	33.671	ng	93
11) bis(2-Chloroethyl)ether	6.55	93	235481	33.353	ng	90
12) 1,3-Dichlorobenzene	6.75	146	247814	30.538	ng	99
13) 1,4-Dichlorobenzene	6.83	146	254913	31.513	ng	99
14) 1,2-Dichlorobenzene	6.99	146	164120	21.894	ng	99
15) Benzyl Alcohol	6.96	79	181381	28.639	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	254512	26.843	ng	56
17) 2-Methylphenol	7.07	107	183385	29.453	ng	# 91
18) Hexachloroethane	7.32	117	59090	20.488	ng	90
19) n-Nitroso-di-n-propylamine	7.23	70	155390	28.518	ng	90
20) 3+4-Methylphenols	7.23	107	254743	32.988	ng	97
22) Acetophenone	7.22	105	351206	40.313	ng	# 97
24) Nitrobenzene	7.40	77	224131	37.460	ng	98
25) Isophorone	7.64	82	432341	37.727	ng	98
26) 2-Nitrophenol	7.71	139	60879	24.994	ng	99
27) 2,4-Dimethylphenol	7.76	122	281279	55.615	ng	98
28) bis(2-Chloroethoxy)methane	7.86	93	272762	38.929	ng	100
29) 2,4-Dichlorophenol	7.97	162	179500	37.197	ng	95
30) 1,2,4-Trichlorobenzene	8.05	180	196235	37.054	ng	99
31) Naphthalene	8.14	128	6021987	341.756	ng	97
32) Benzoic acid	7.89	122	184956	45.834	ng	# 16
33) 4-Chloroaniline	8.17	127	71718	9.500	ng	95
34) Hexachlorobutadiene	8.23	225	103497	35.678	ng	100
35) Caprolactam	8.54	113	57697	34.273	ng	88
36) 4-Chloro-3-methylphenol	8.66	107	179431	34.677	ng	98
37) 2-Methylnaphthalene	8.81	142	832083	73.003	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	164617	36.500	ng	99
42) 2,4,6-Trichlorophenol	9.09	196	106301	33.953	ng	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.15	196	112617	32.144	nq	97
45) 1,1'-Biphenyl	9.27	154	820380	61.983	nq	99
46) 2-Chloronaphthalene	9.30	162	350121	33.490	nq	99
47) 2-Nitroaniline	9.40	65	130851	50.612	nq	96
48) Acenaphthylene	9.72	152	1505240	91.768	nq	98
49) Dimethylphthalate	9.57	163	465526	37.469	nq	99
50) 2,6-Dinitrotoluene	9.64	165	52560	22.862	nq	88
51) Acenaphthene	9.89	154	756413	75.582	nq	98
52) 3-Nitroaniline	9.82	138	78007	28.984	nq	93
53) 2,4-Dinitrophenol	9.94	184	140	5.348	nq #	1
54) Dibenzofuran	10.06	168	726726	52.107	nq	99
55) 4-Nitrophenol	9.99	139	115006	54.397	nq	97
56) 2,4-Dinitrotoluene	10.05	165	61110	20.265	nq #	89
57) Fluorene	10.41	166	1165725	114.832	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.19	232	80202	30.684	nq #	73
59) Diethylphthalate	10.27	149	366235	29.598	nq	98
60) 4-Chlorophenyl-phenylether	10.39	204	152483	33.728	nq	96
61) 4-Nitroaniline	10.43	138	91460	34.755	nq	97
62) Azobenzene	10.56	77	321534	27.199	nq #	71
64) 4,6-Dinitro-2-methylphenol	10.47	198	1773	8.639	nq #	1
65) n-Nitrosodiphenylamine	10.52	169	331481	40.073	nq	95
66) 4-Bromophenyl-phenylether	10.89	248	91221	35.947	nq	93
67) Hexachlorobenzene	10.97	284	93008	32.573	nq #	88
68) Atrazine	11.06	200	84226	33.733	nq	97
69) Pentachlorophenol	11.17	266	80015	45.296	nq	98
70) Phenanthrene	11.40	178	3256759	245.129	nq	99
71) Anthracene	11.44	178	1538054	113.885	nq	99
72) Carbazole	11.59	167	1009027	76.459	nq	98
73) Di-n-butylphthalate	11.92	149	505681	31.368	nq	97
74) Fluoranthene	12.61	202	2821454	203.257	nq	98
77) Pyrene	12.85	202	3124389	502.601	nq	98
79) Butylbenzylphthalate	13.43	149	175187	59.818	nq #	96
80) Benzo(a)anthracene	14.03	228	1470157	293.430	nq #	81
81) 3,3'-Dichlorobenzidine	13.99	252	17091	9.149	nq #	73
82) Chrysene	14.07	228	1219013	236.872	nq	95
83) Bis(2-ethylhexyl)phthalate	13.99	149	225220	59.788	nq #	98
84) Di-n-octyl phthalate	14.60	149	320578	50.931	nq #	88
85) Indeno(1,2,3-cd)pyrene	17.06	276	1270981	290.729	nq #	91
87) Benzo(b)fluoranthene	15.11	252	1557607m	241.146	nq	
88) Benzo(k)fluoranthene	15.13	252	522042m	85.608	nq	
89) Benzo(a)pyrene	15.48	252	1253806	216.945	nq	94
90) Dibenzo(a,h)anthracene	17.05	278	415284m	87.491	nq	
91) Benzo(g,h,i)perylene	17.52	276	1414159	307.515	nq	93

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



#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

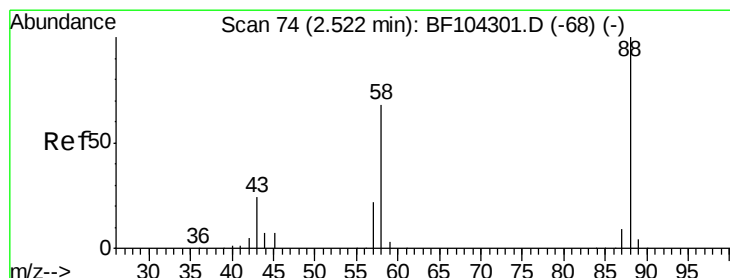
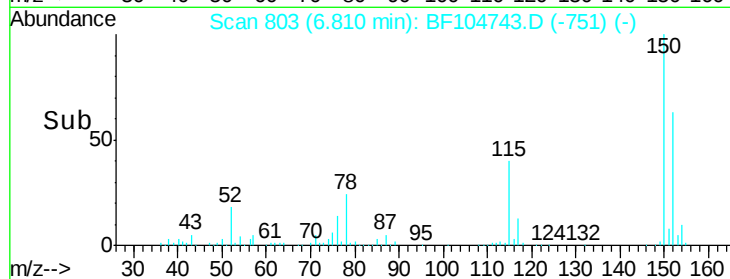
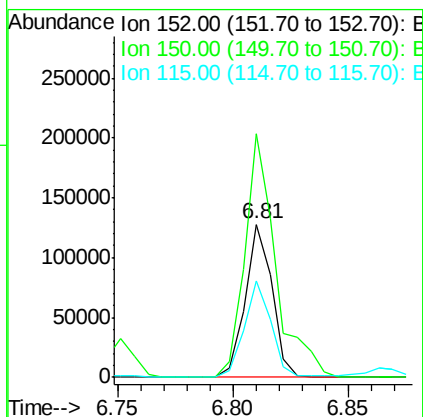
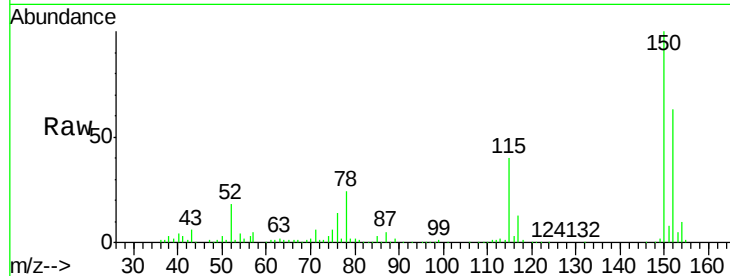
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	63.4	50.1	75.1

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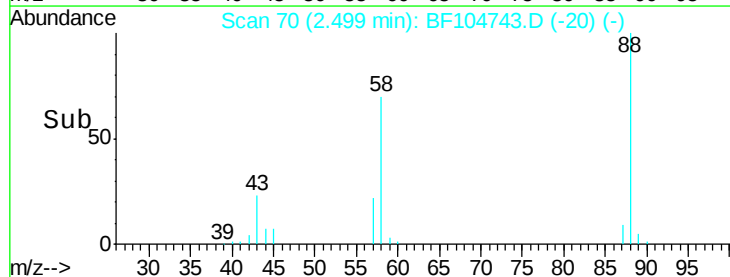
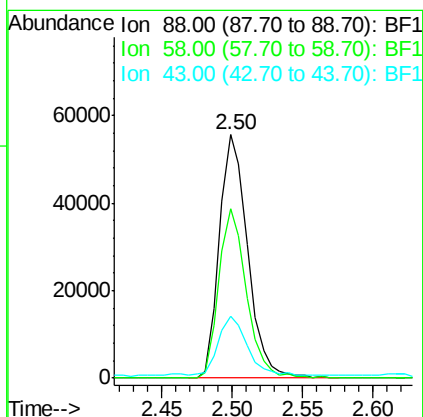
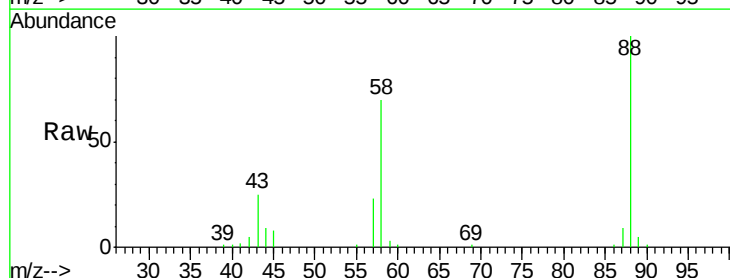
4/24/2018 3:49:15 PM

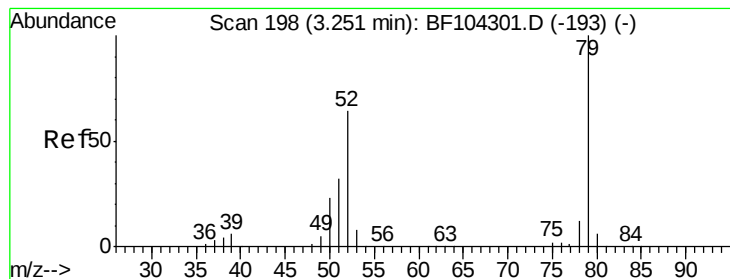


#2

1,4-Dioxane
Concen: 24.513 ng
RT: 2.50 min Scan# 70
Delta R.T. -0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.1	62.6	93.8
43	24.9	24.6	37.0





#3

Pvridine

Concen: 25.644 ng

RT: 3.26 min Scan# 199

Delta R.T. 0.01 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

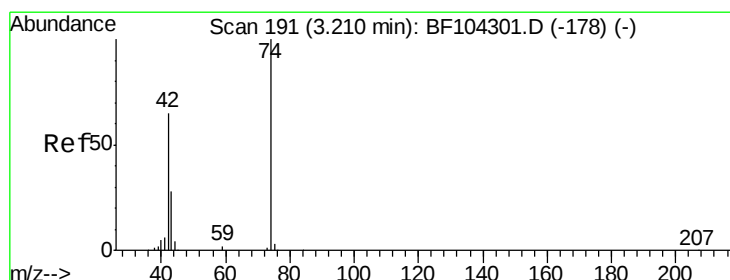
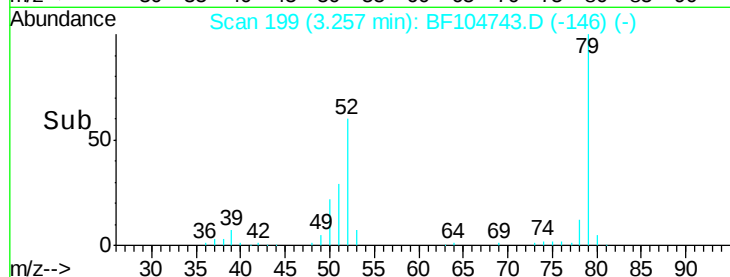
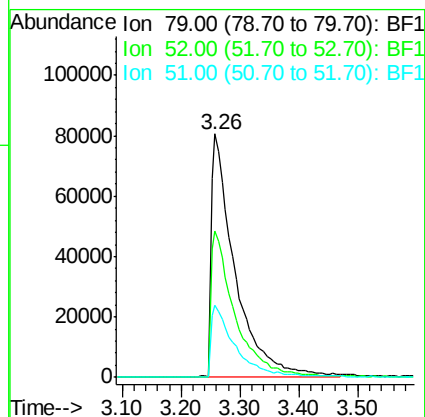
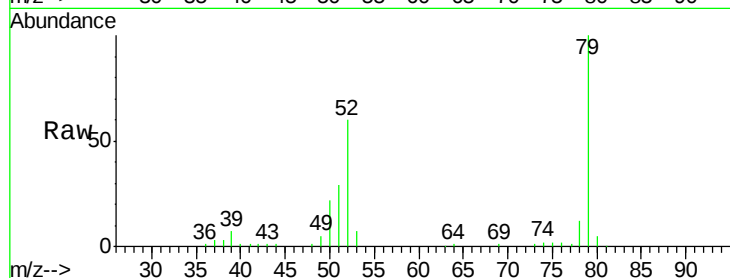
A2-SB01-BOT-4.5MS

Tot Ion:	79	Resp:	228000
Ion Ratio	Lower	Upper	
79	100		
52	60.3	59.8	89.6
51	29.5	29.8	44.8#

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 29.900 ng

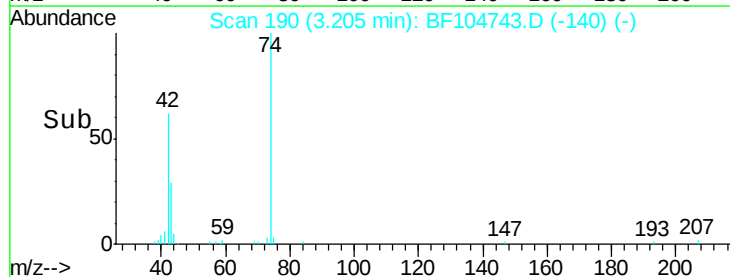
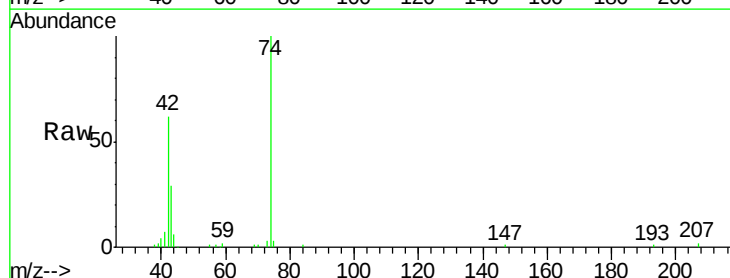
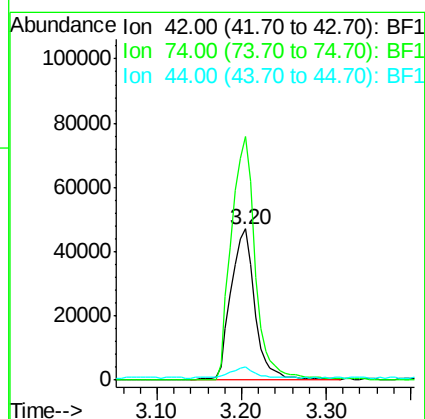
RT: 3.20 min Scan# 190

Delta R.T. -0.01 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Tgt Ion:	42	Resp:	92926
Ion Ratio	Lower	Upper	
42	100		
74	160.9	104.9	157.3#
44	8.9	6.9	10.3





#5

2-Fluorophenol

Concen: 117.930 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.02 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

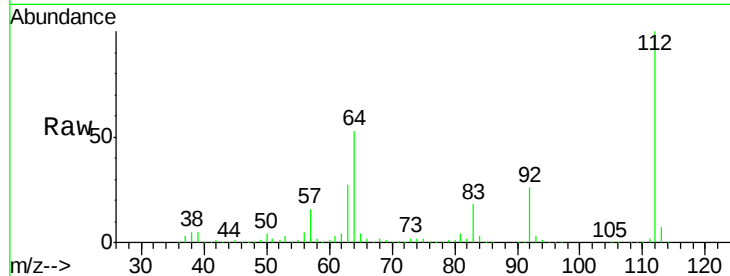
A2-SB01-BOT-4.5MS

Tot Ion:	112	Resp:	800335
Ion Ratio	Lower	Upper	
112	100		
64	53.3	47.9	71.9
63	27.2	23.7	35.5

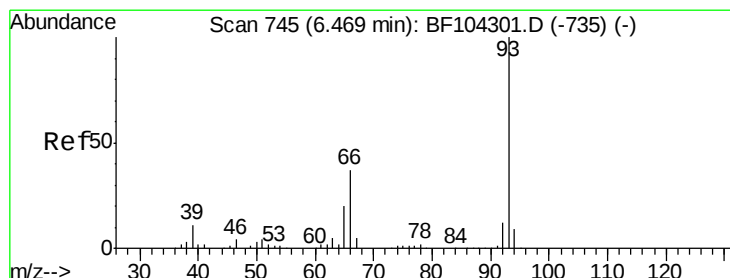
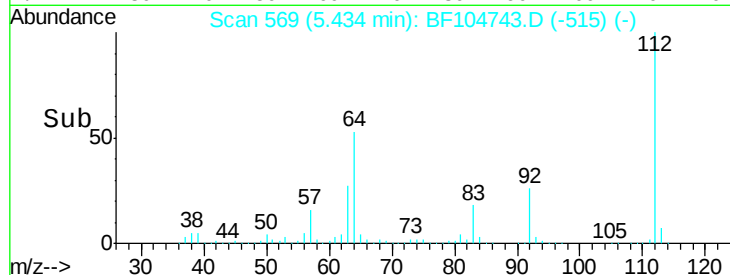
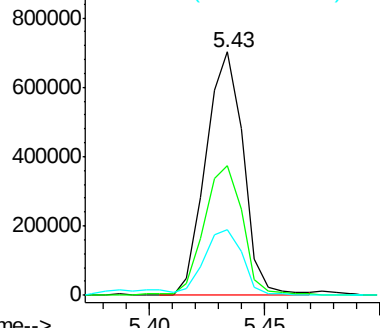
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Abundance Ion 112.00 (111.70 to 112.70): BF1



#6

Aniline

Concen: 8.744 ng

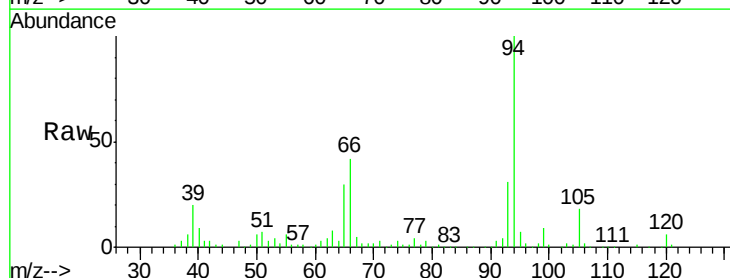
RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

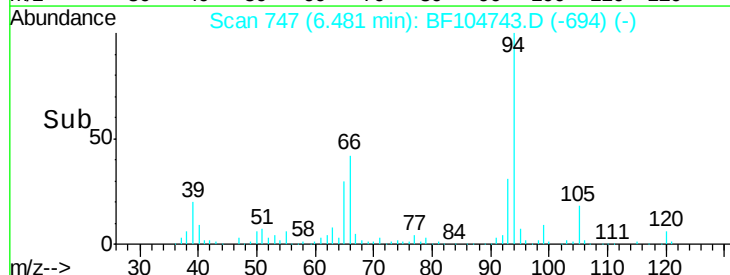
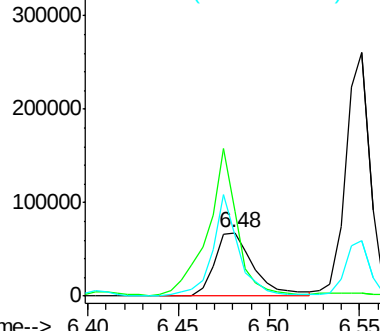
Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Tgt Ion:	93	Resp:	101294
Ion Ratio	Lower	Upper	
93	100		
66	133.4	32.2	48.2#
65	96.1	16.4	24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1





#7

Phenol-d6

Concen: 113.395 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.02 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

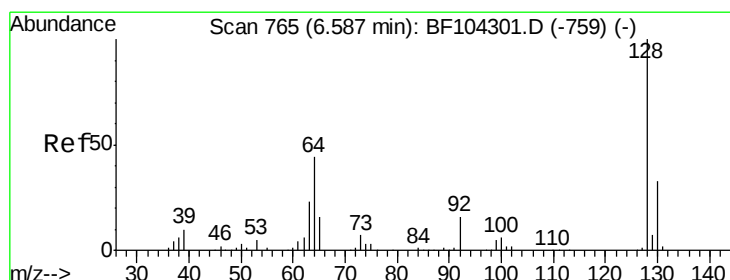
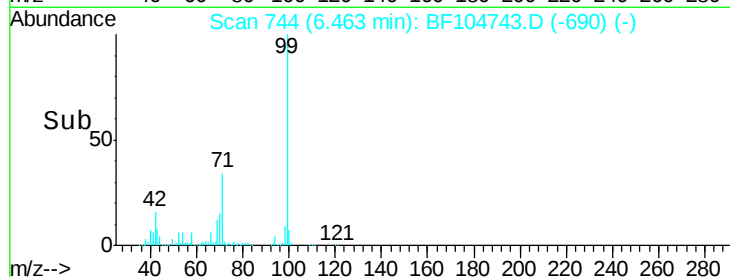
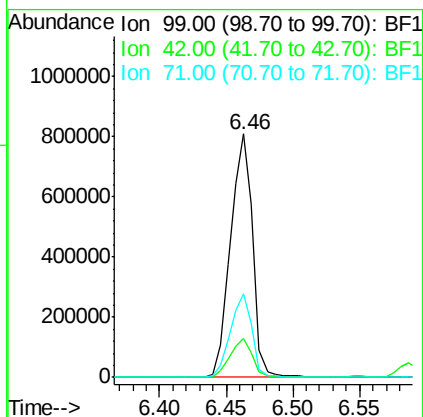
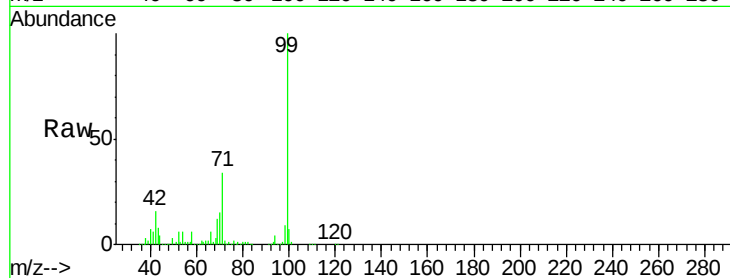
A2-SB01-BOT-4.5MS

Tot Ion:	99	Resp:	945541
Ion Ratio	Lower	Upper	
99	100		
42	16.2	14.5	21.7
71	34.3	25.4	38.0

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#8

2-Chlorophenol

Concen: 33.575 ng

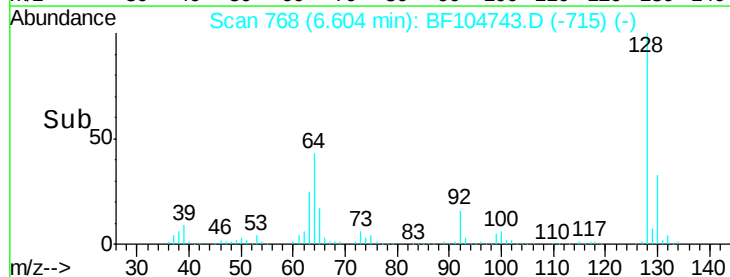
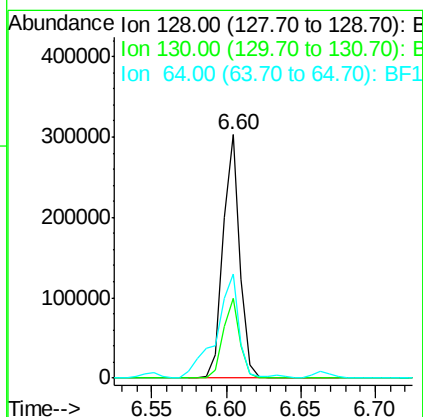
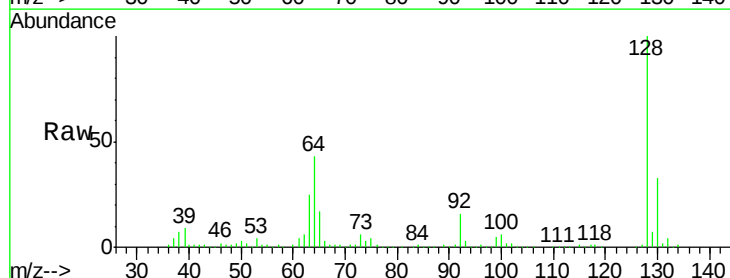
RT: 6.60 min Scan# 768

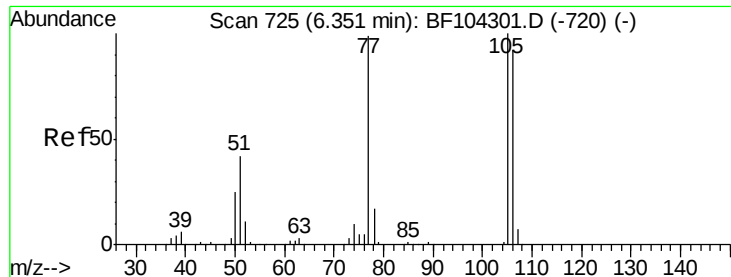
Delta R.T. 0.01 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Tgt Ion:	128	Resp:	240498
Ion Ratio	Lower	Upper	
128	100		
130	32.9	13.0	53.0
64	42.6	29.4	69.4





#9

Benzaldehyde

Concen: 32.662 ng/mL

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MS

Tot Ion: 77 Resp: 146384

Ion Ratio Lower Upper

77 100

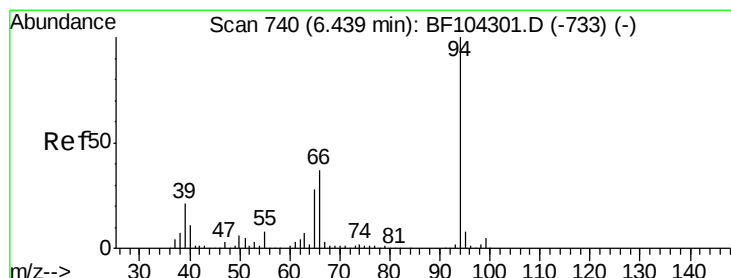
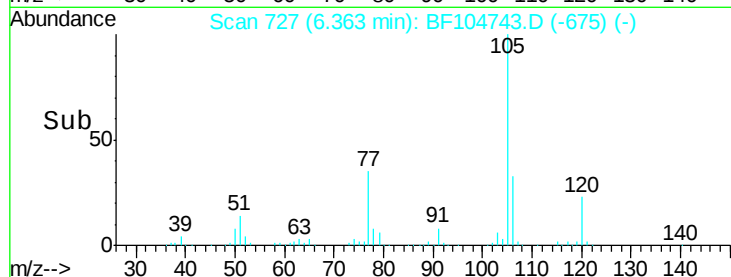
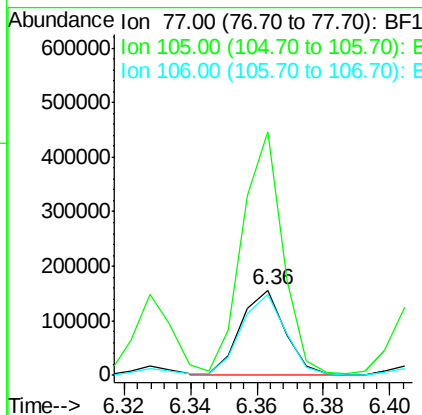
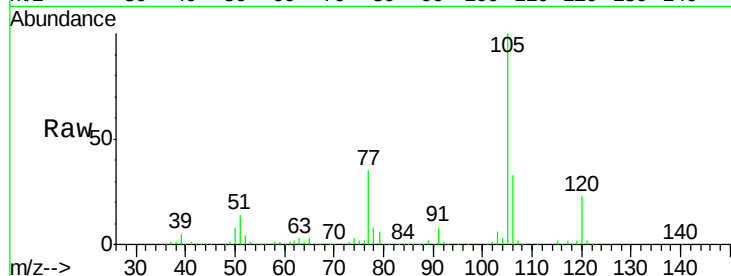
105 286.4 81.1 121.1#

106 95.7 74.5 114.5

Manual Integrations
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#10

Phenol

Concen: 33.671 ng/mL

RT: 6.47 min Scan# 746

Delta R.T. 0.02 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

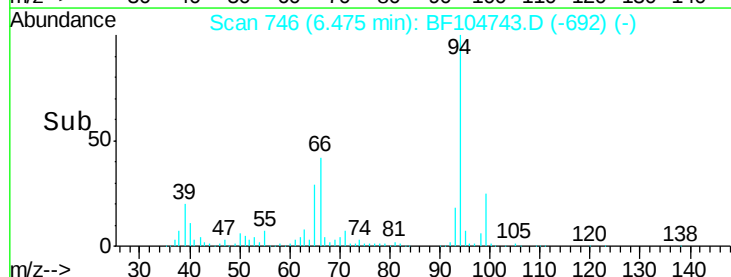
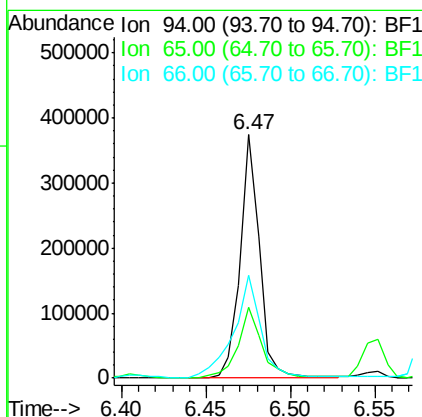
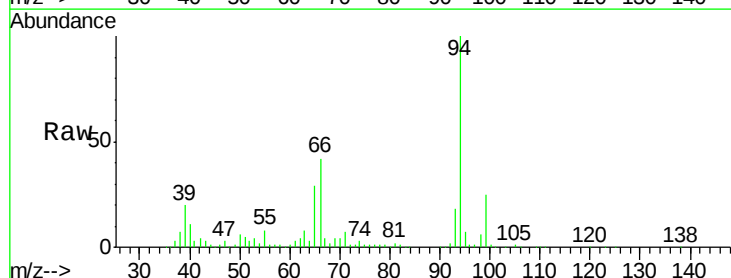
Tgt Ion: 94 Resp: 297897

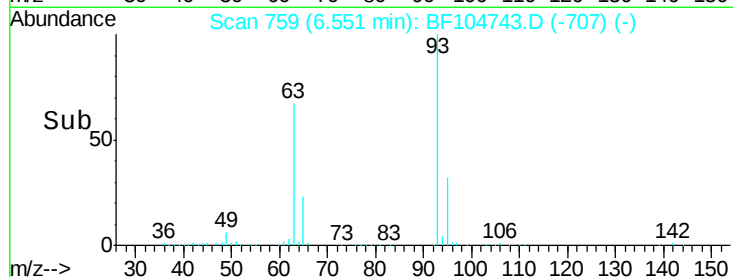
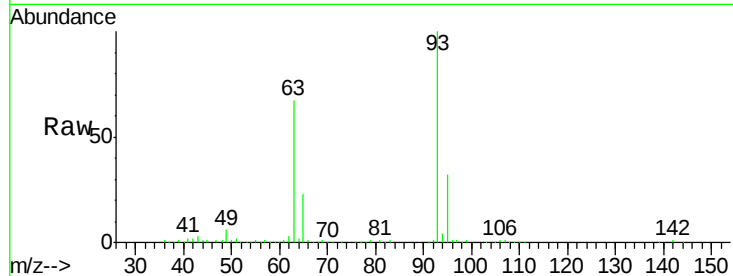
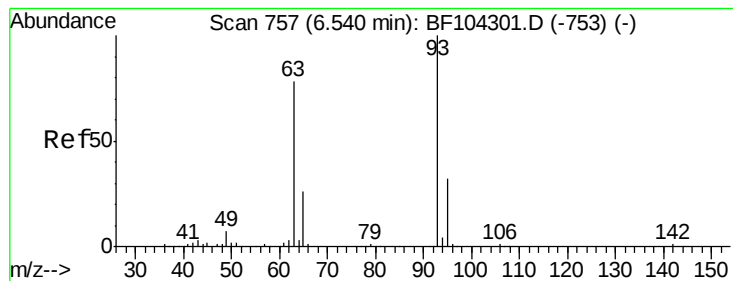
Ion Ratio Lower Upper

94 100

65 29.1 7.9 47.9

66 42.3 16.2 56.2





#11
bis(2-Chloroethyl)ether
Concen: 33.353 ng
RT: 6.55 min Scan# 759
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

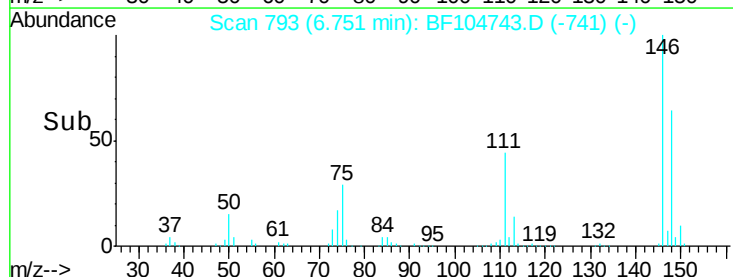
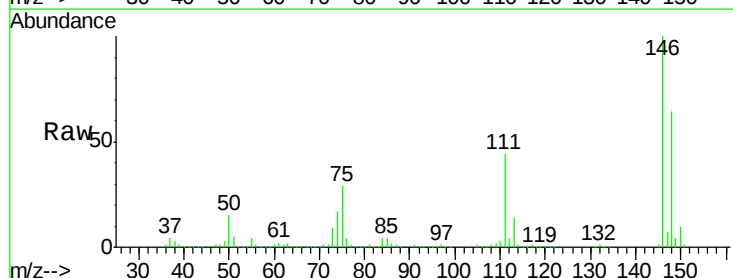
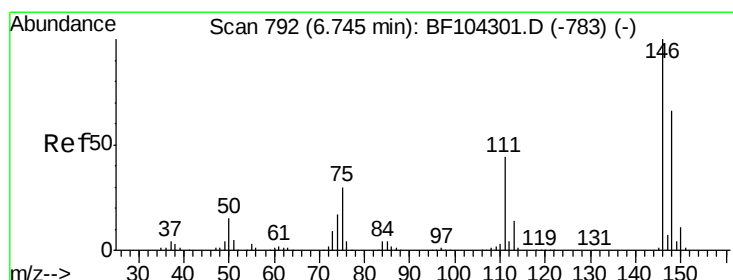
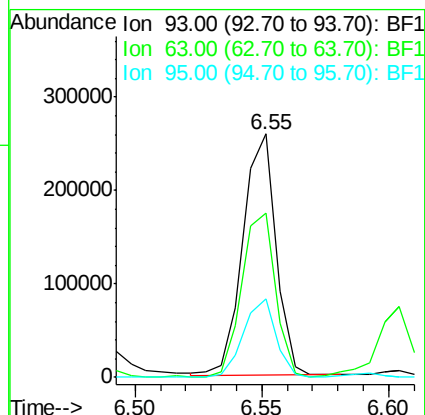
Tot Ion	93	Resp	235481
Ion Ratio	Lower	Upper	
93	100		
63	67.2	58.6	98.6
95	32.3	11.8	51.8

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

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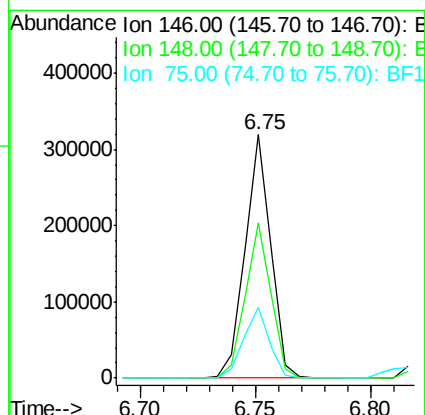
Sohil

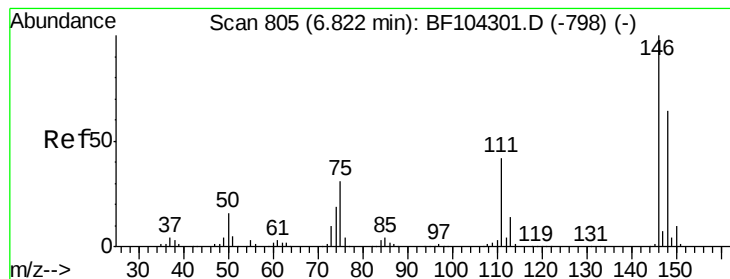
4/24/2018 3:49:15 PM



#12
1,3-Dichlorobenzene
Concen: 30.538 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion	146	Resp	247814
Ion Ratio	Lower	Upper	
146	100		
148	64.0	51.8	77.8
75	29.1	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 31.513 ng

RT: 6.83 min Scan# 806

Delta R.T. 0.01 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

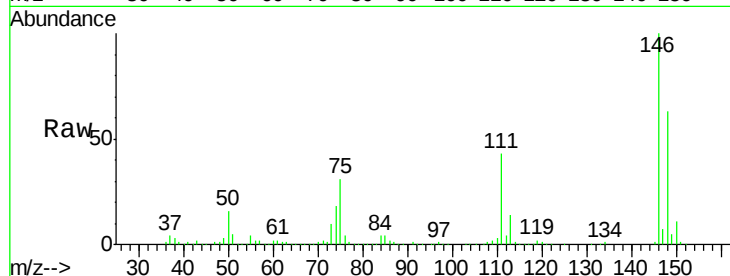
A2-SB01-BOT-4.5MS

Tot Ion:	146	Resp:	254913
Ion Ratio	Lower	Upper	
146	100		
148	63.0	50.8	76.2
111	43.1	34.2	51.2

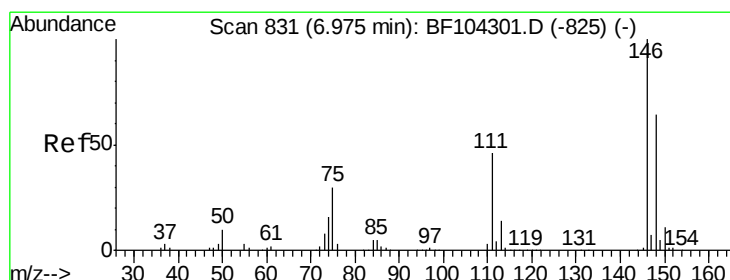
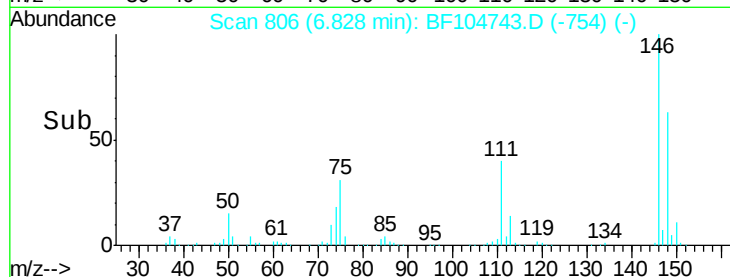
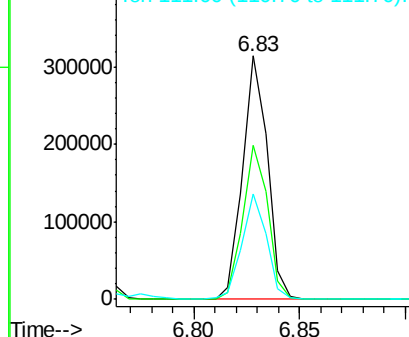
Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 21.894 ng

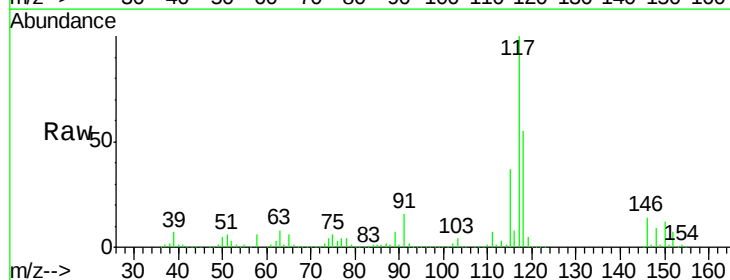
RT: 6.99 min Scan# 833

Delta R.T. 0.01 min

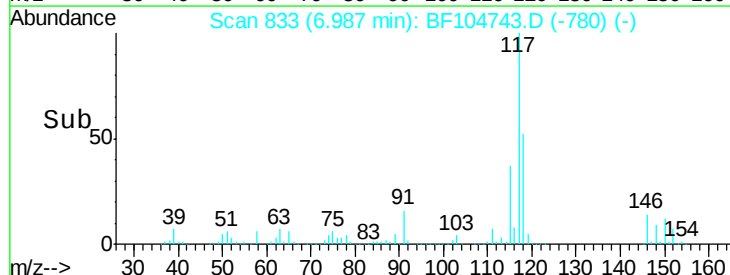
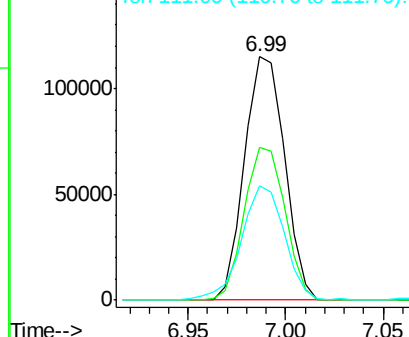
Lab File: BF104743.D

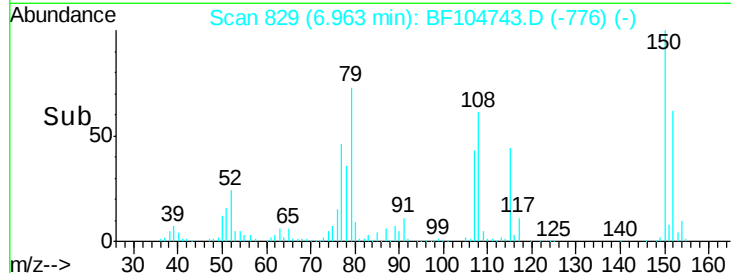
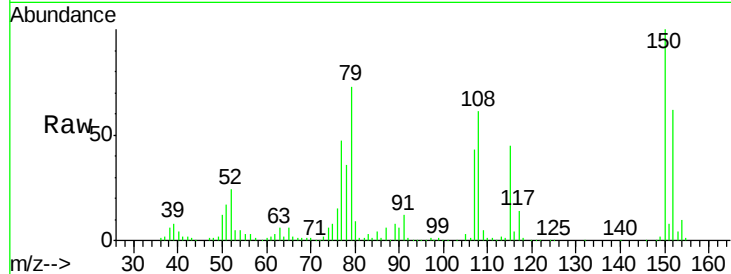
Acq: 24 Apr 2018 8:16

Tgt Ion:	146	Resp:	164120
Ion Ratio	Lower	Upper	
146	100		
148	62.8	50.6	75.8
111	46.8	36.0	54.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15
Benzyl Alcohol
Concen: 28.639 ng
RT: 6.96 min Scan# 829
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

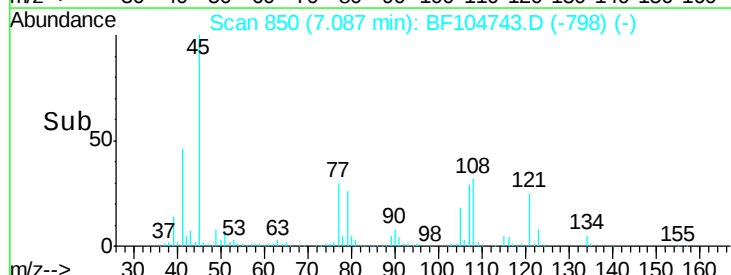
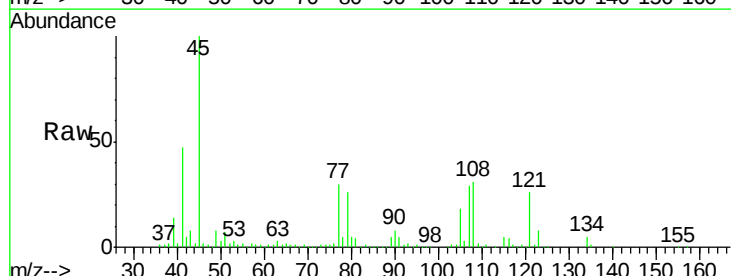
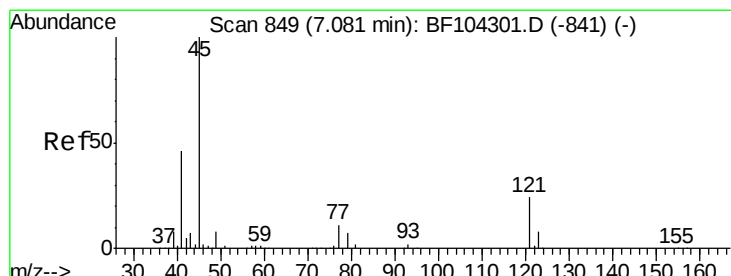
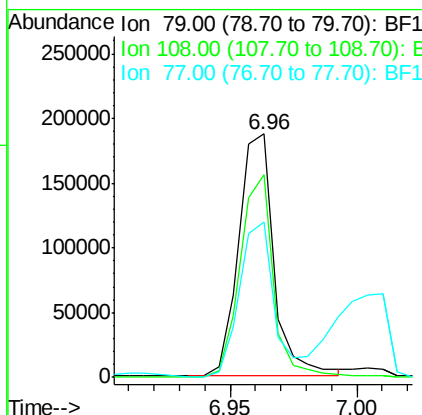
Tot Ion:	79	Resp:	181381
Ion Ratio	Lower	Upper	
79	100		
108	83.2	65.1	97.7
77	63.6	50.6	75.8

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Manual Integrations
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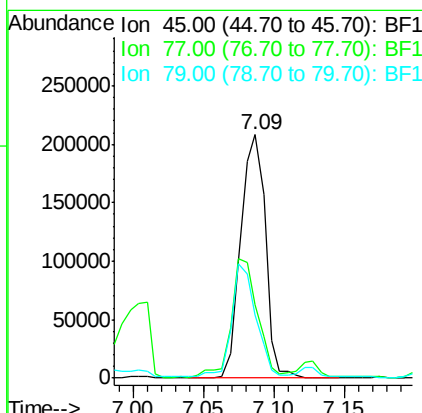
Sohil

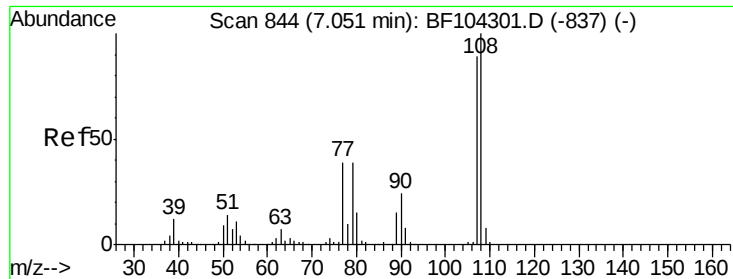
4/24/2018 3:49:15 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 26.843 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion:	45	Resp:	254512
Ion Ratio	Lower	Upper	
45	100		
77	29.9	0.0	32.9
79	25.9	0.0	29.6





#17
2-Methylphenol
Concen: 29.453 ng
RT: 7.07 min Scan# 848
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

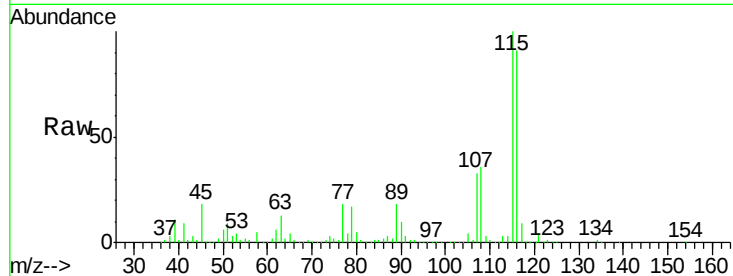
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	110.8	91.7	137.5	
77	54.2	33.8	50.8#	
79	51.9	33.8	50.8#	

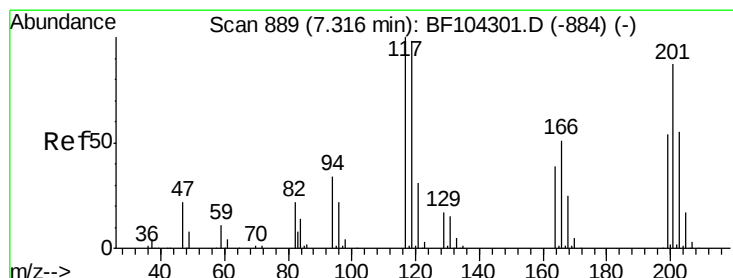
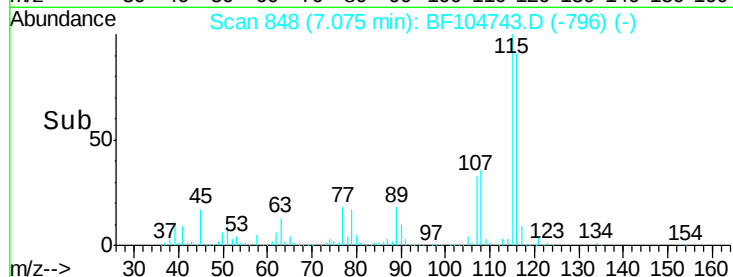
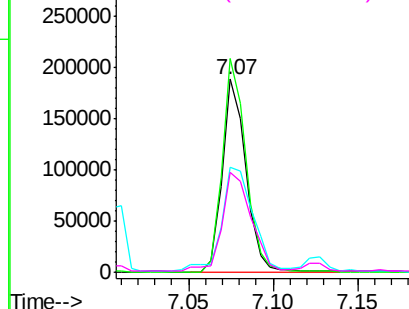
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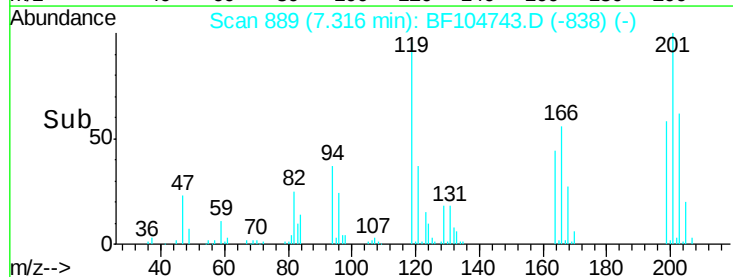
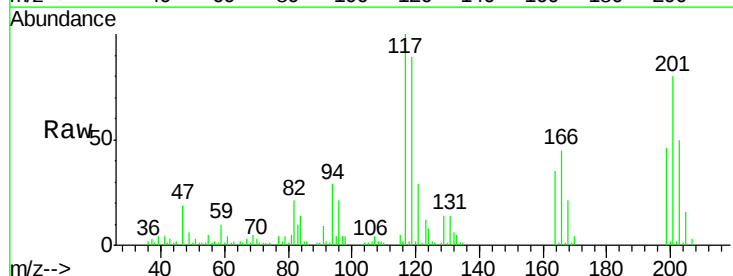
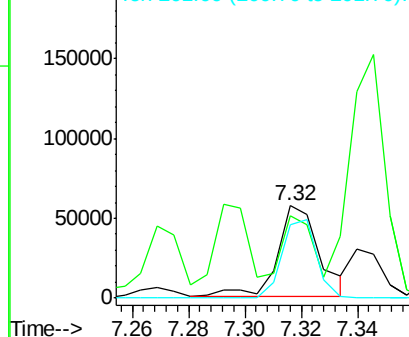
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

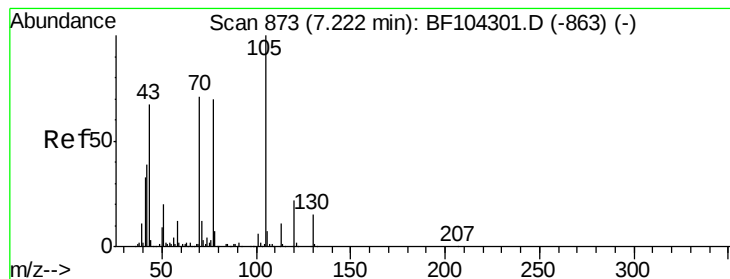


#18
Hexachloroethane
Concen: 20.488 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.00 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	89.4	75.8	113.8	
201	79.7	75.7	113.5	

Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 28.518 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.01 min

Lab File: BF104743.D

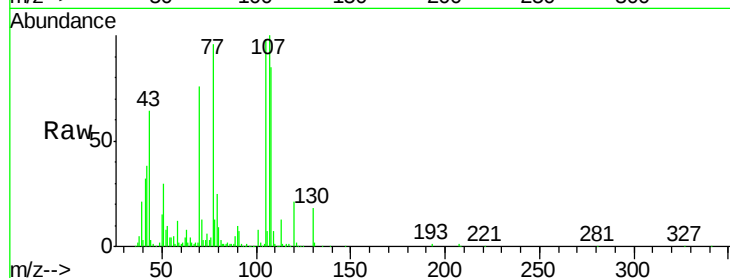
Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MS



Tot Ion: 70 Resp: 155390

Ion Ratio Lower Upper

70 100

42 50.0 47.5 71.3

101 10.4 7.4 11.2

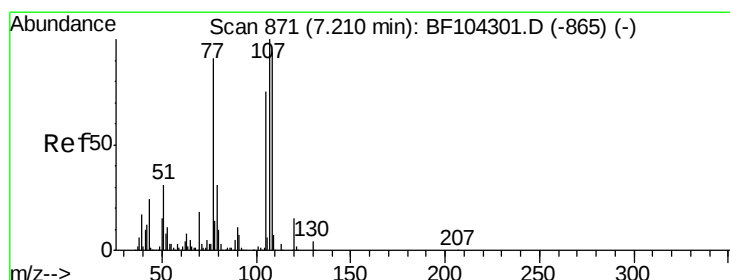
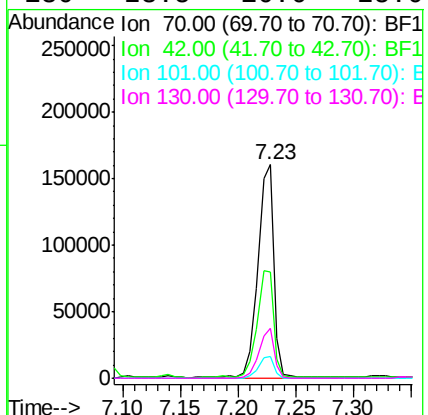
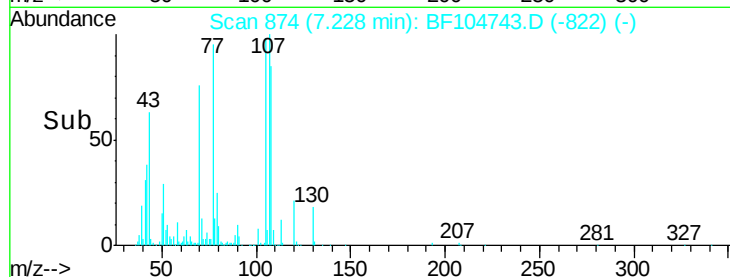
130 23.5 16.6 25.0

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#20

3+4-Methylphenols

Concen: 32.988 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.01 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Tgt Ion: 107 Resp: 254743

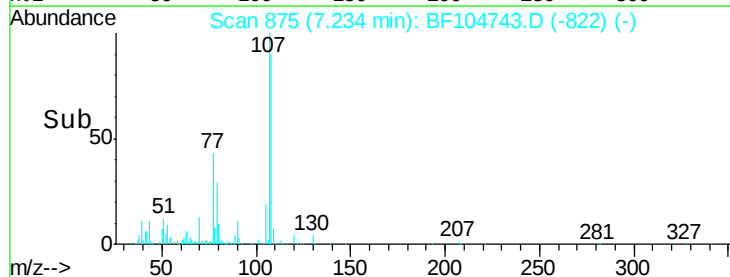
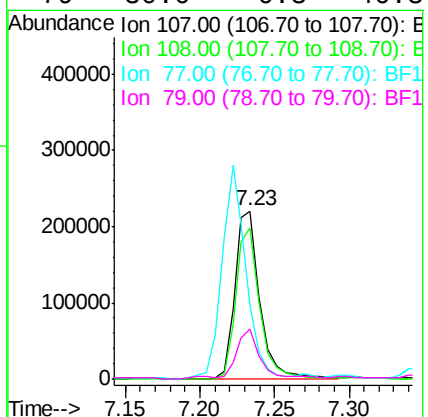
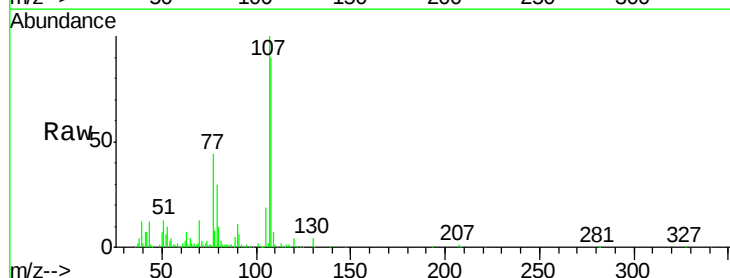
Ion Ratio Lower Upper

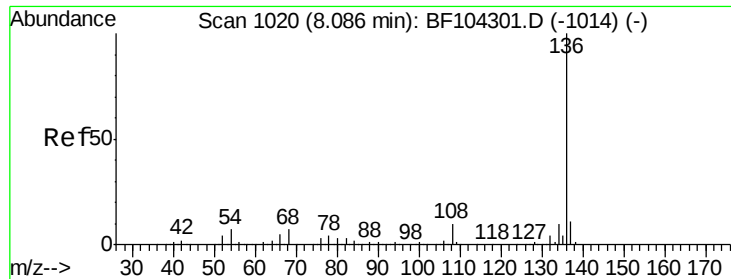
107 100

108 90.1 68.2 108.2

77 44.1 26.7 66.7

79 30.0 6.3 46.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

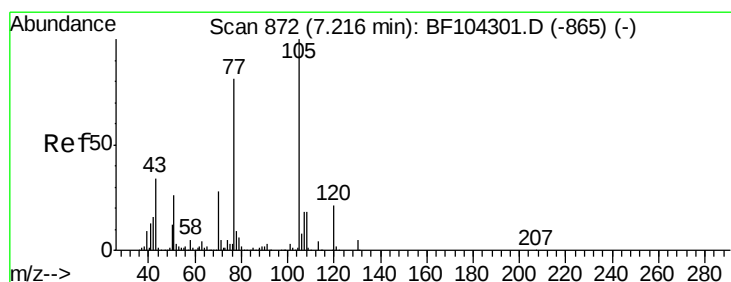
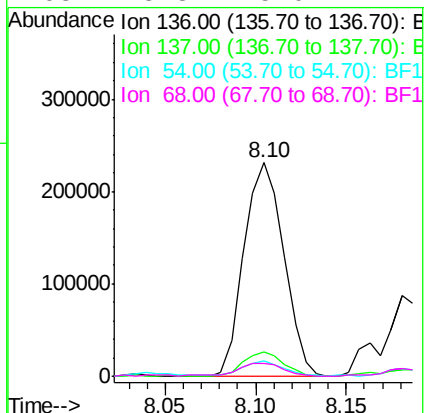
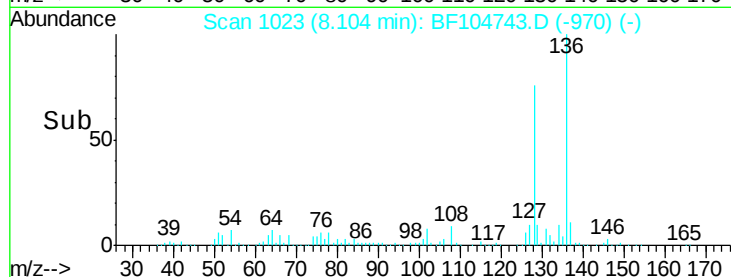
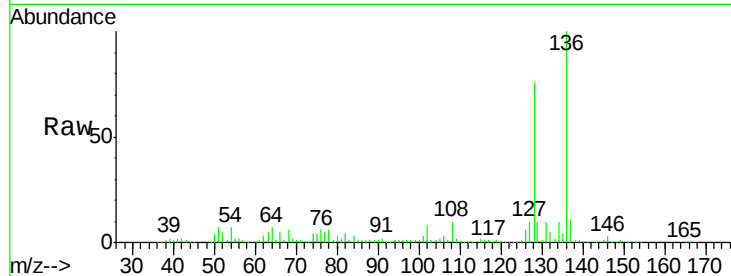
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.1	6.6	9.8
68	5.8	5.0	7.4

Manual Integrations
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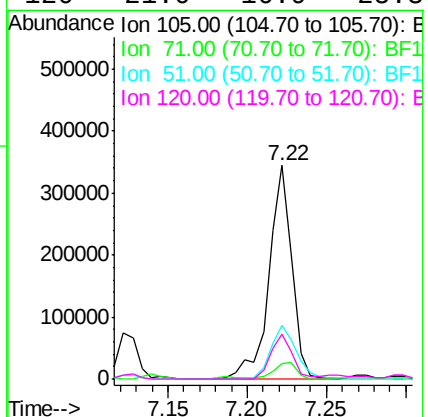
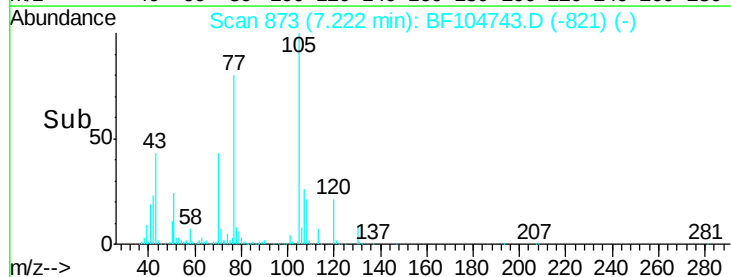
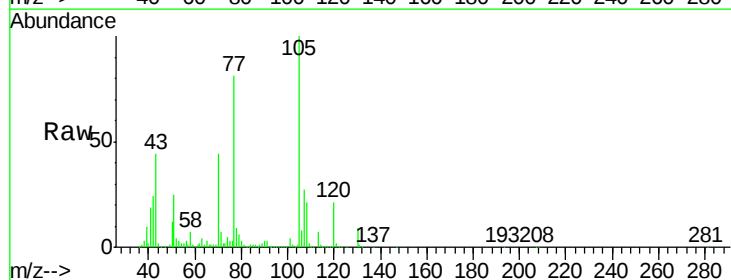
Sohil

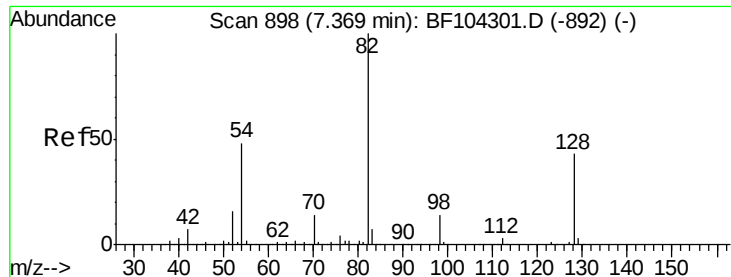
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#22
Acetophenone
Concen: 40.313 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	7.3	4.4	6.6#
51	25.3	22.3	33.5
120	21.0	16.9	25.3





#23
Nitrobenzene-d5
Concen: 100.697 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

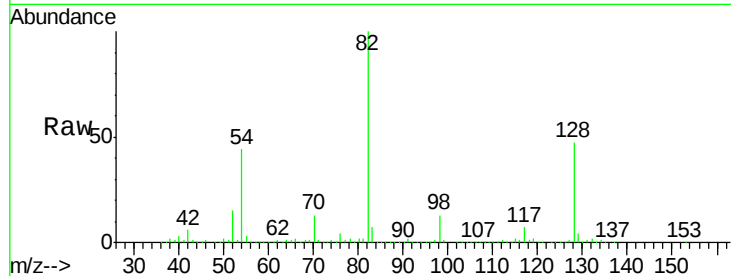
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion:	82	Resp:	545707
Ion Ratio	Lower	Upper	
82	100		
128	46.9	36.1	54.1
54	44.3	41.4	62.2

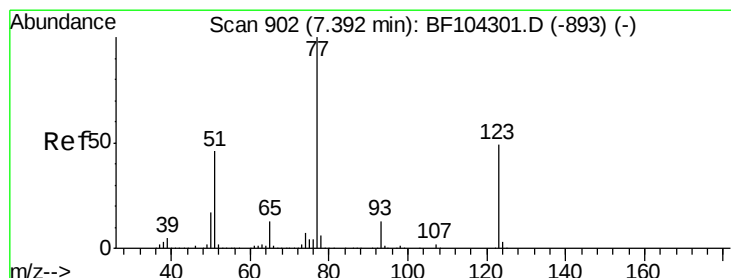
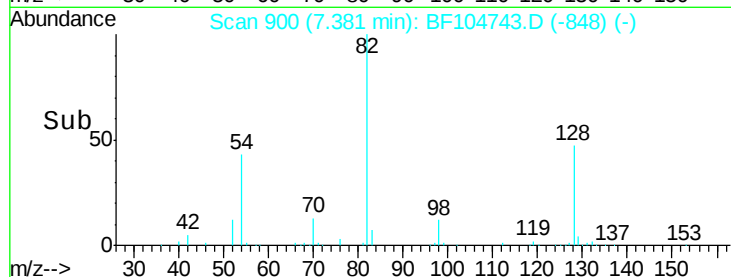
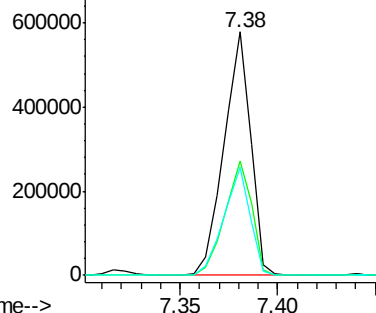
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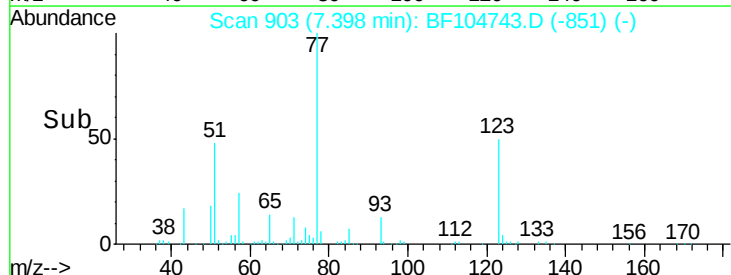
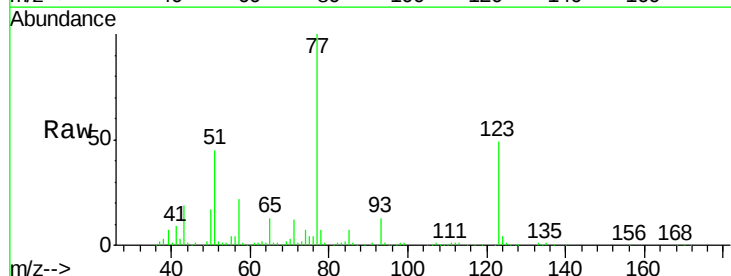
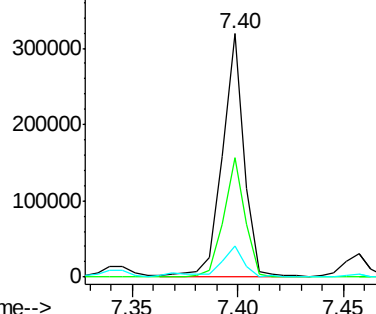
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

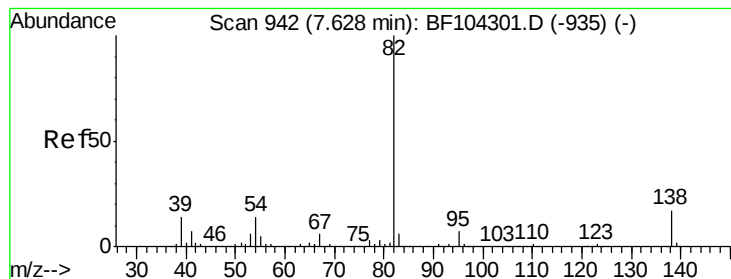


#24
Nitrobenzene
Concen: 37.460 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion:	77	Resp:	224131
Ion Ratio	Lower	Upper	
77	100		
123	49.1	37.9	56.9
65	13.0	11.0	16.4

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





#25

Isophorone

Concen: 37.727 ng

RT: 7.64 min Scan# 944

Delta R.T. 0.01 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MS

Tot Ion: 82 Resp: 432341

Ion Ratio Lower Upper

82 100

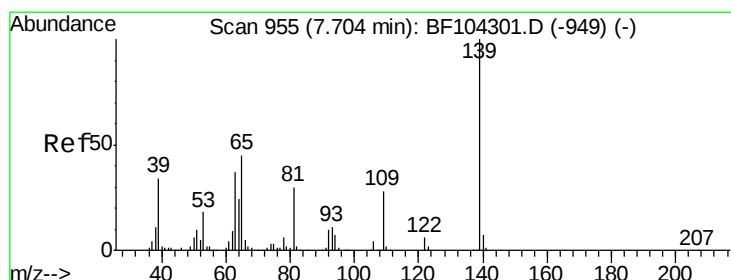
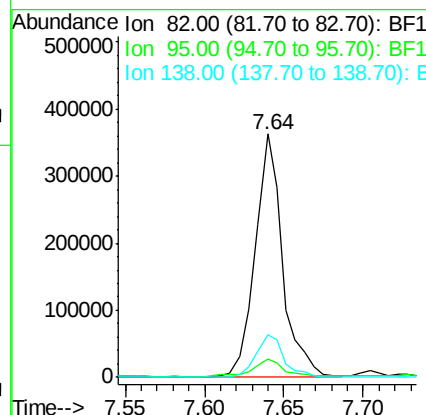
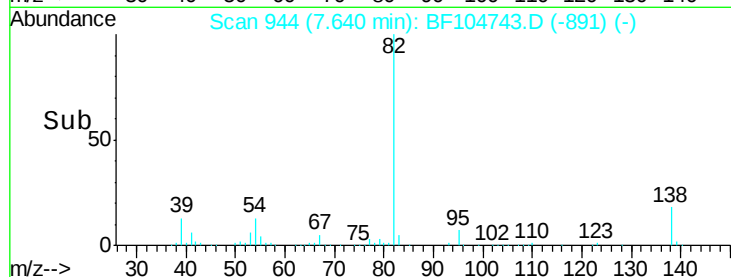
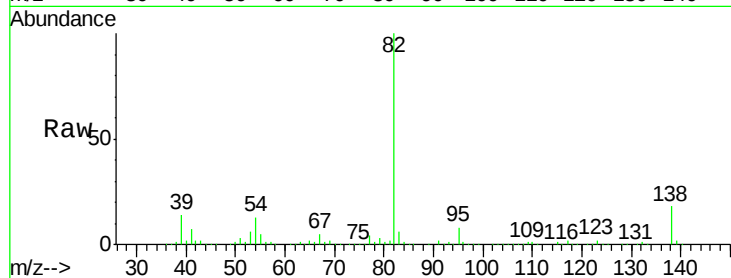
95 7.6 5.2 7.8

138 17.8 14.9 22.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 24.994 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.00 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

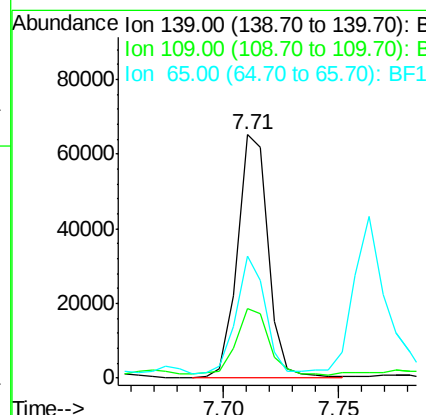
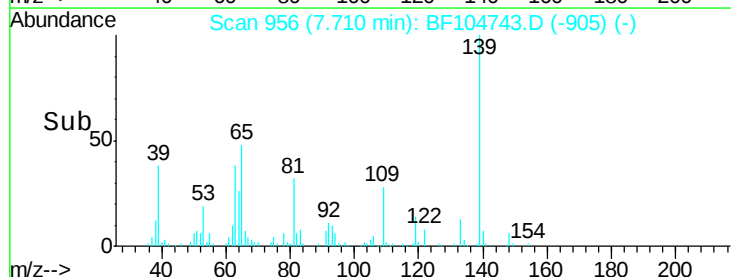
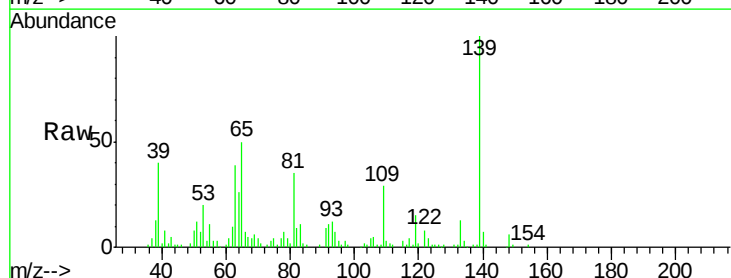
Tgt Ion: 139 Resp: 60879

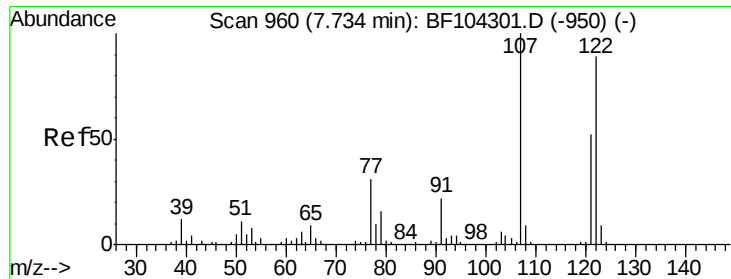
Ion Ratio Lower Upper

139 100

109 28.8 22.7 34.1

65 50.0 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 55.615 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.02 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

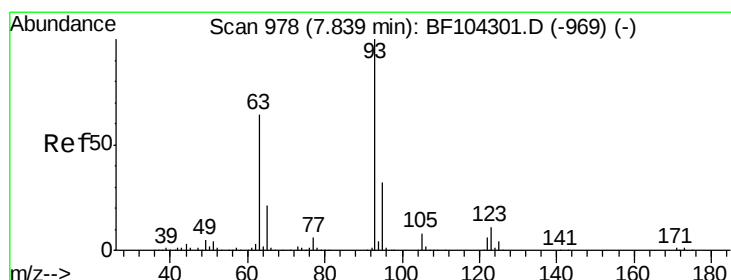
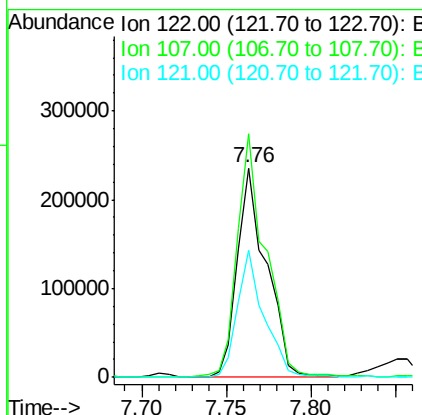
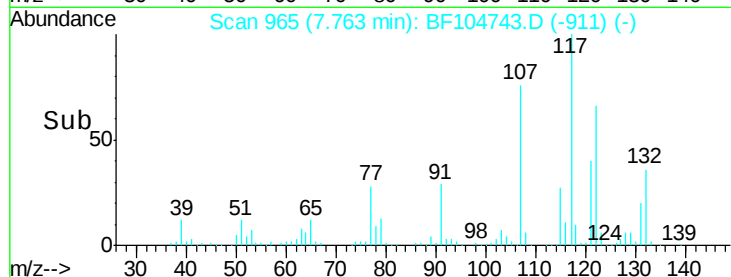
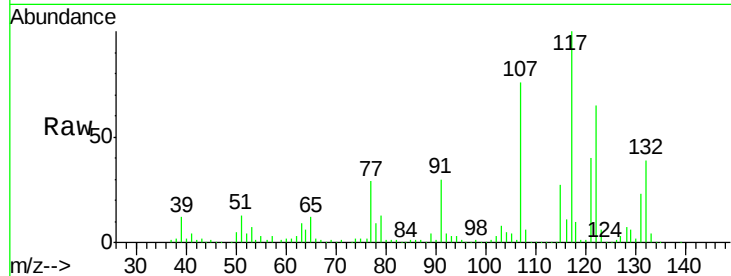
A2-SB01-BOT-4.5MS

Tot Ion:	122	Resp:	281279
Ion Ratio	Lower	Upper	
122	100		
107	116.4	91.2	136.8
121	60.5	47.2	70.8

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#28

bis(2-Chloroethoxy)methane

Concen: 38.929 ng

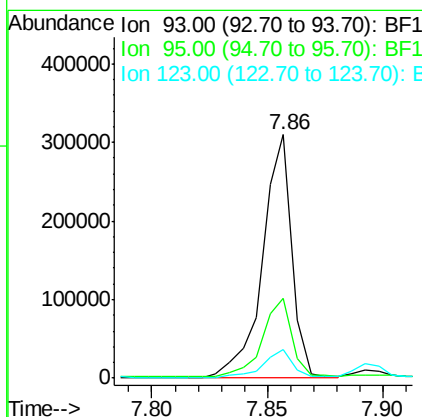
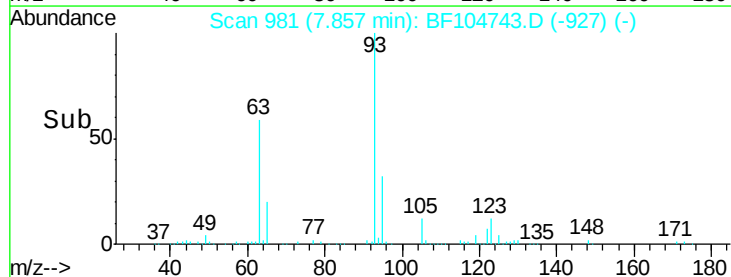
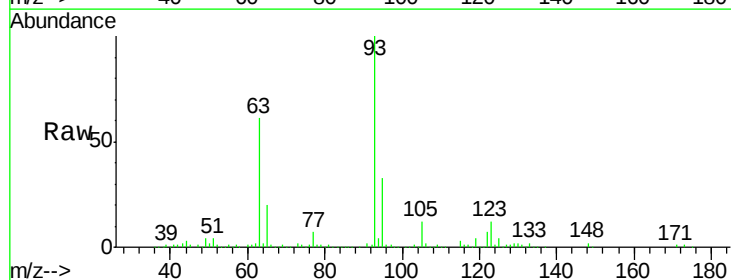
RT: 7.86 min Scan# 981

Delta R.T. 0.02 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Tgt Ion:	93	Resp:	272762
Ion Ratio	Lower	Upper	
93	100		
95	33.0	26.3	39.5
123	11.7	9.8	14.6





#29

2,4-Dichlorophenol

Concen: 37.197 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.02 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

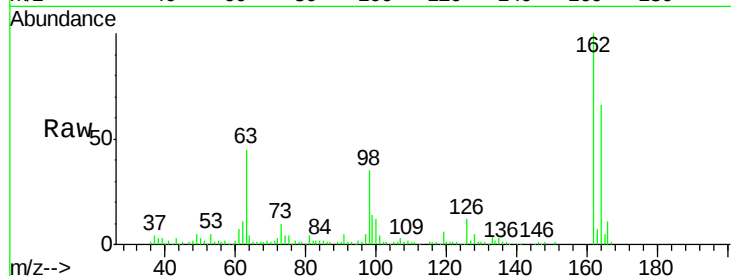
A2-SB01-BOT-4.5MS

Tot Ion:	162	Resp:	179500
Ion Ratio	Lower	Upper	
162	100		
164	65.8	42.7	82.7
98	34.8	18.1	58.1

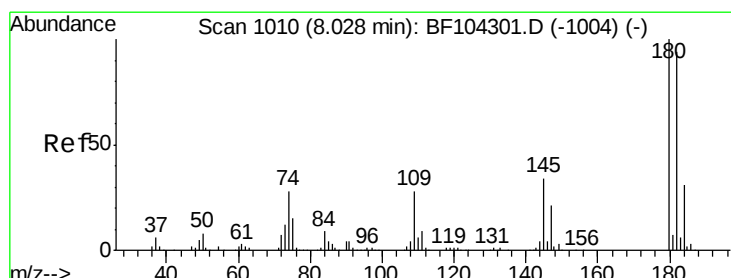
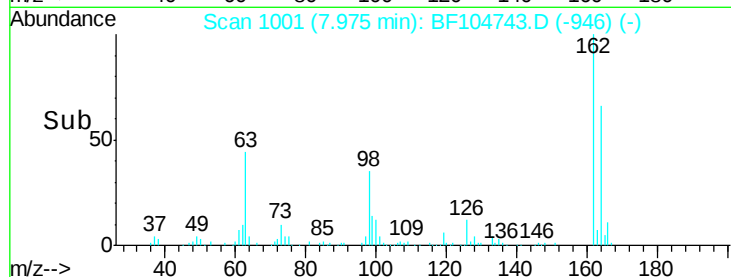
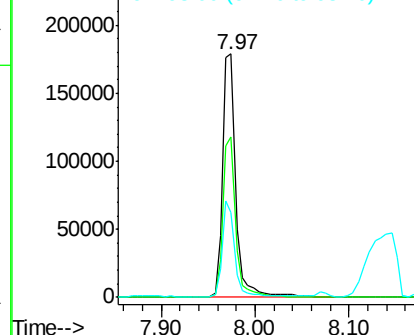
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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 37.054 ng

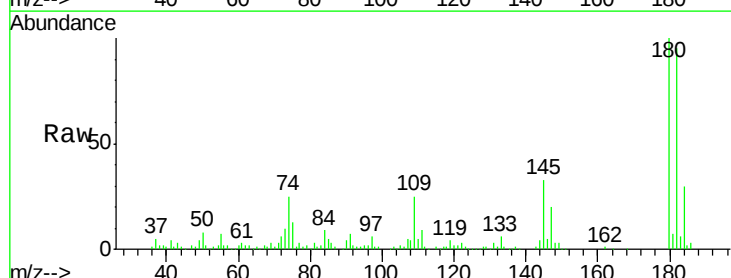
RT: 8.05 min Scan# 1014

Delta R.T. 0.02 min

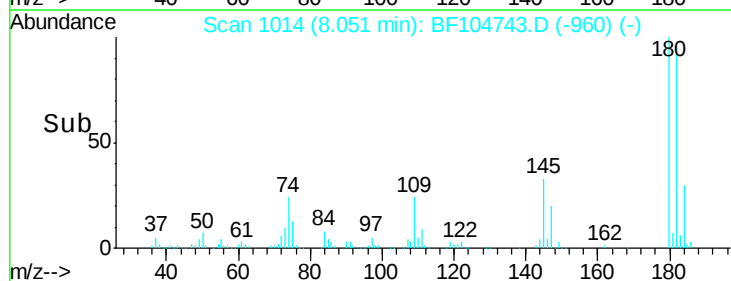
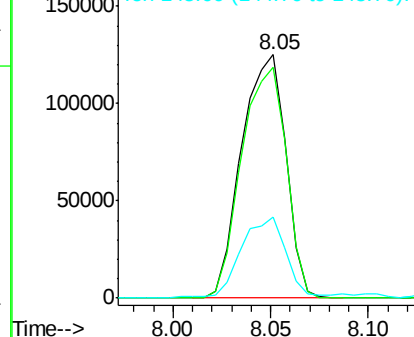
Lab File: BF104743.D

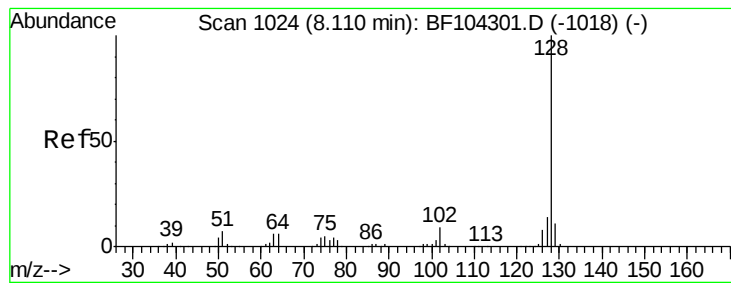
Acq: 24 Apr 2018 8:16

Tgt Ion:	180	Resp:	196235
Ion Ratio	Lower	Upper	
180	100		
182	94.6	76.8	115.2
145	33.3	26.5	39.7



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





#31

Naphthalene

Concen: 341.756 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.02 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MS

Tot Ion:128 Resp: 6021987

Ion Ratio Lower Upper

128 100

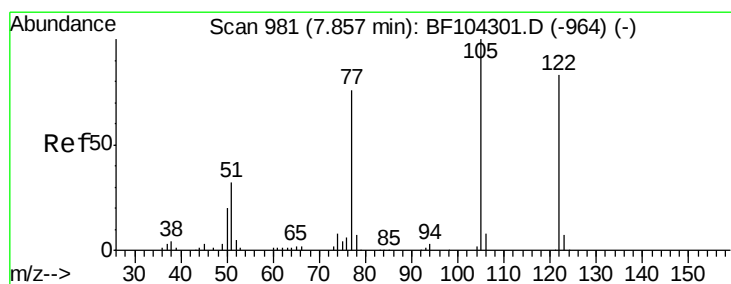
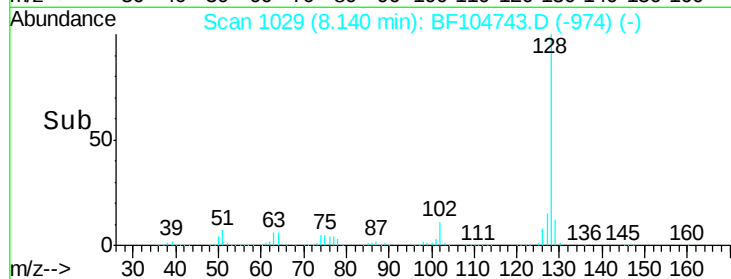
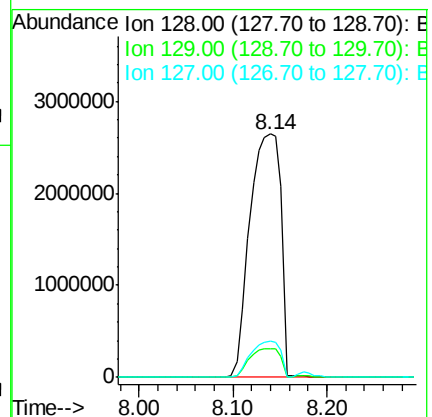
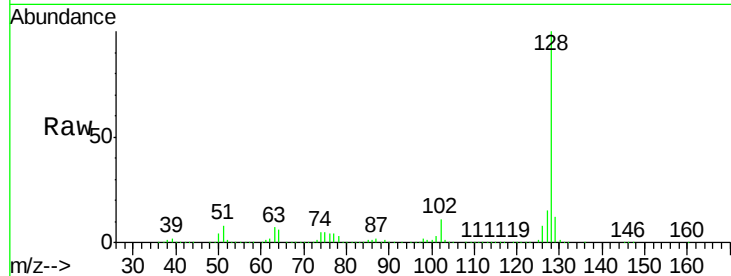
129 11.9 8.8 13.2

127 14.7 10.9 16.3

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#32

Benzoic acid

Concen: 45.834 ng

RT: 7.89 min Scan# 987

Delta R.T. 0.02 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

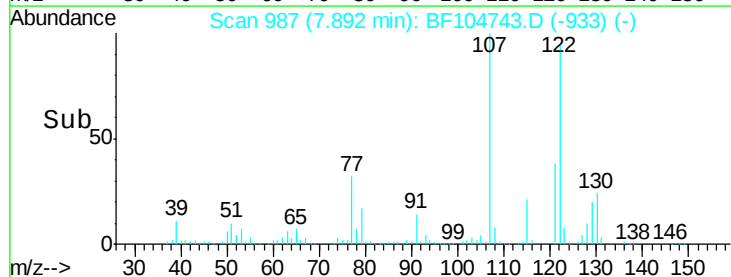
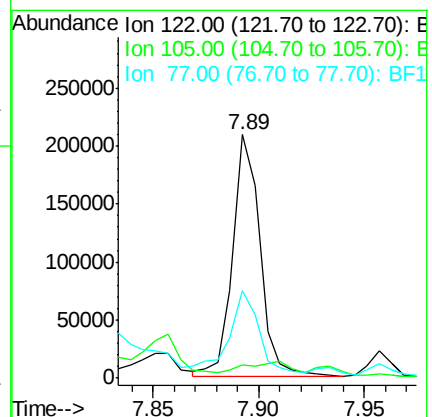
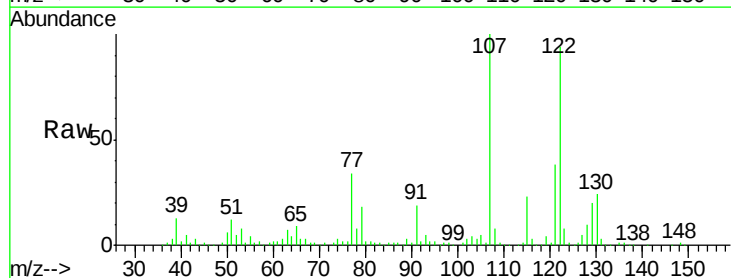
Tgt Ion:122 Resp: 184956

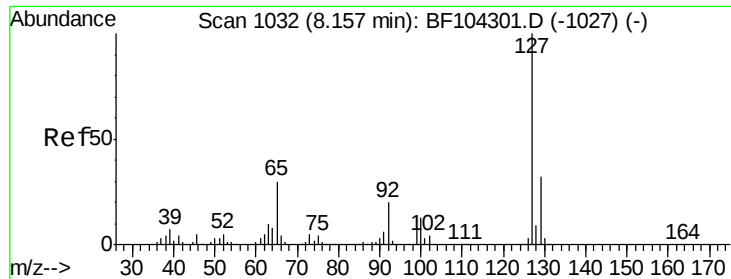
Ion Ratio Lower Upper

122 100

105 5.2 101.1 141.1#

77 36.2 70.7 110.7#





#33
4-Chloroaniline
Concen: 9.500 ng
RT: 8.17 min Scan# 1035
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

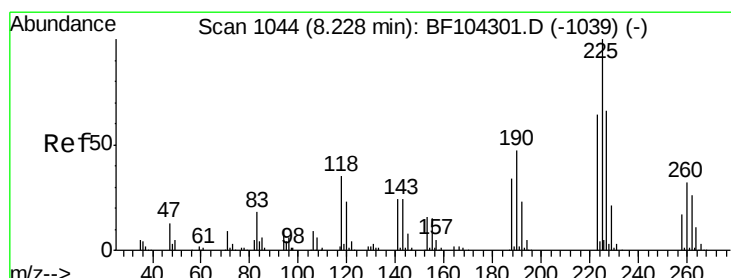
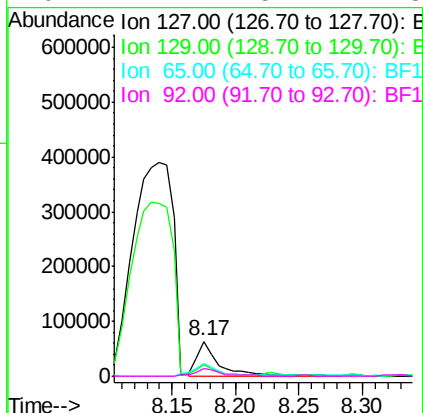
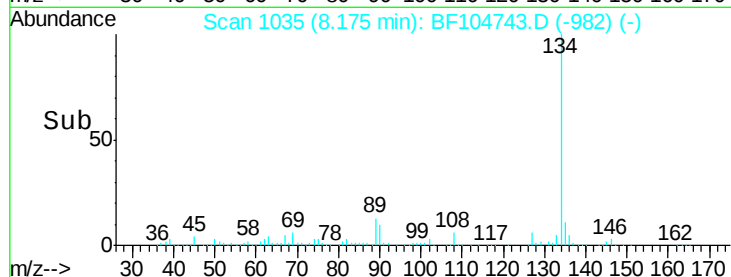
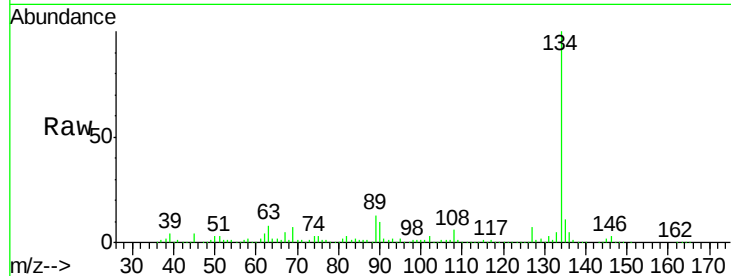
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.7	25.9	38.9		
65	36.4	25.0	37.4		
92	22.1	15.2	22.8		

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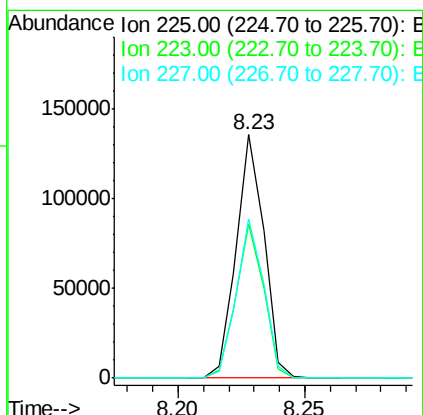
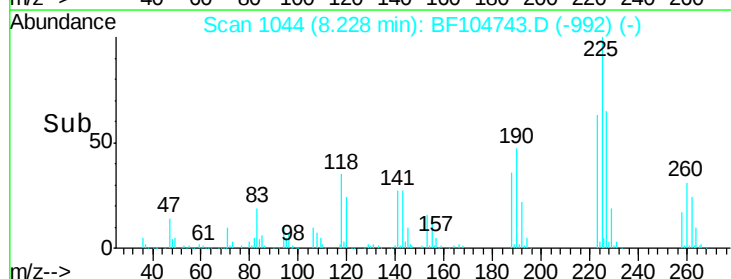
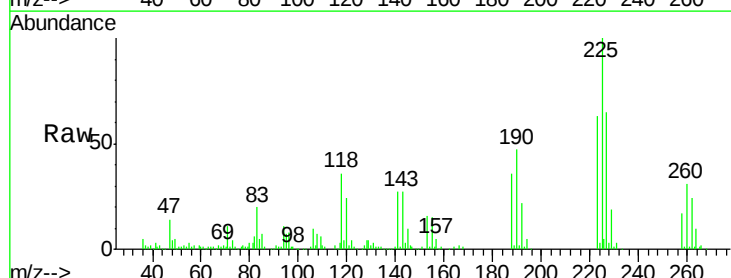
Sohil

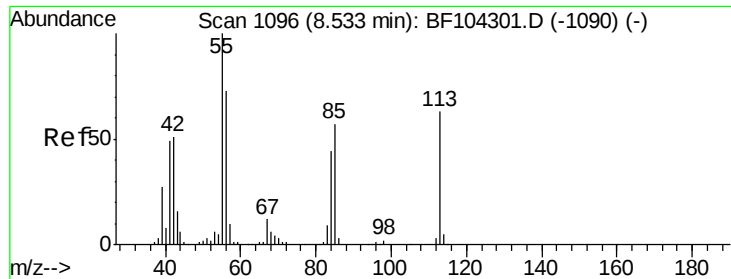
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#34
Hexachlorobutadiene
Concen: 35.678 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.0	50.6	76.0		
227	65.3	51.9	77.9		





#35
 Caprolactam
 Concen: 34.273 ng
 RT: 8.54 min Scan# 1097
 Delta R.T. -0.01 min
 Lab File: BF104743.D
 Acq: 24 Apr 2018 8:16

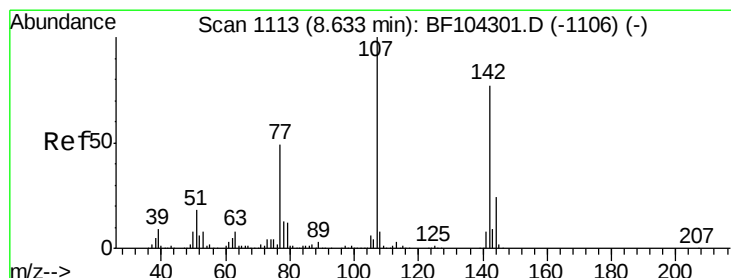
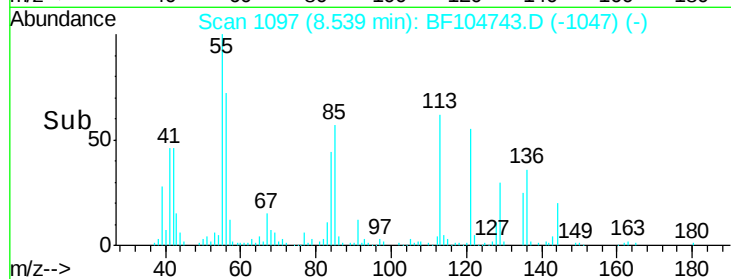
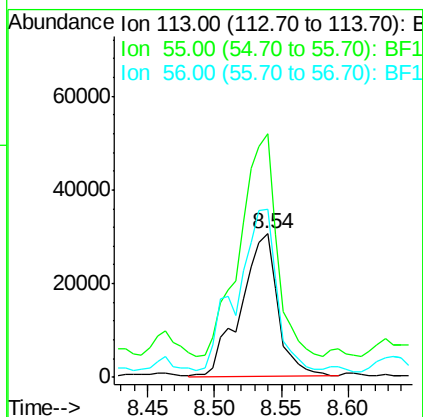
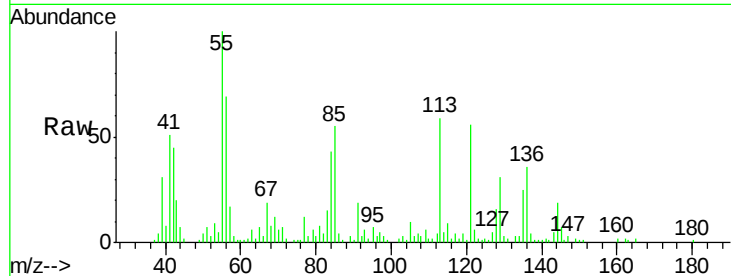
Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	170.0	163.3	203.3
56	117.5	115.7	155.7

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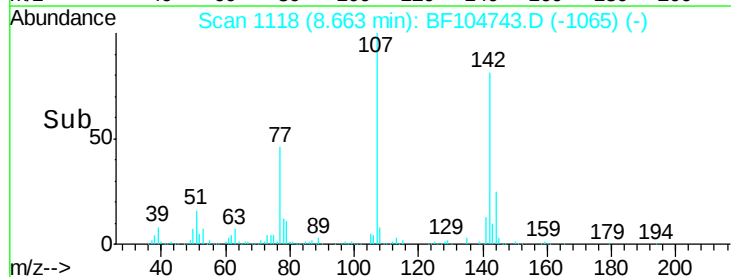
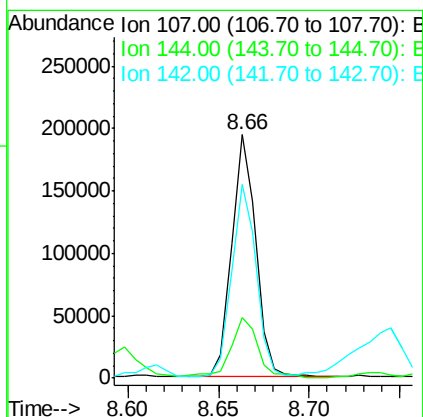
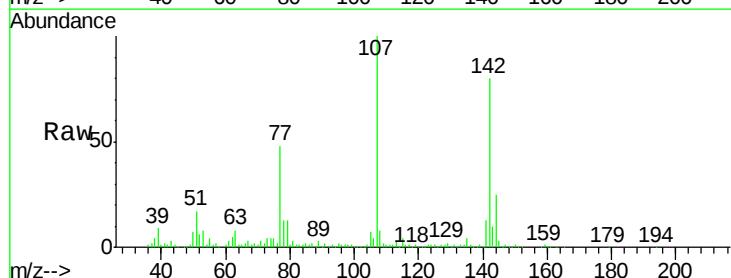
Sohil

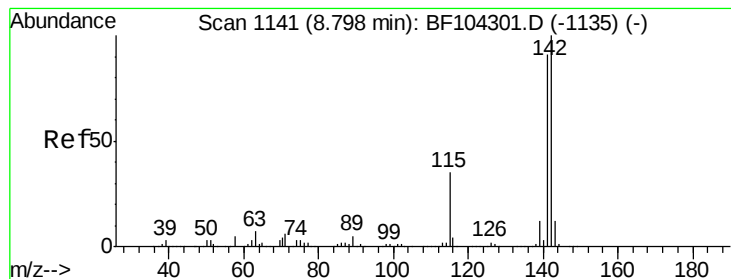
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#36
 4-Chloro-3-methylphenol
 Concen: 34.677 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. 0.01 min
 Lab File: BF104743.D
 Acq: 24 Apr 2018 8:16

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.5	30.7
142	79.7	62.0	93.0





#37
2-Methylnaphthalene
Concen: 73.003 ng
RT: 8.81 min Scan# 1143
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

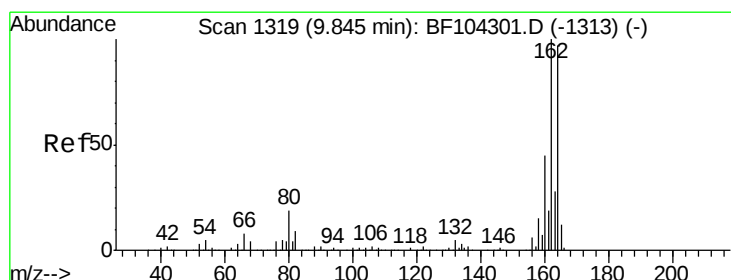
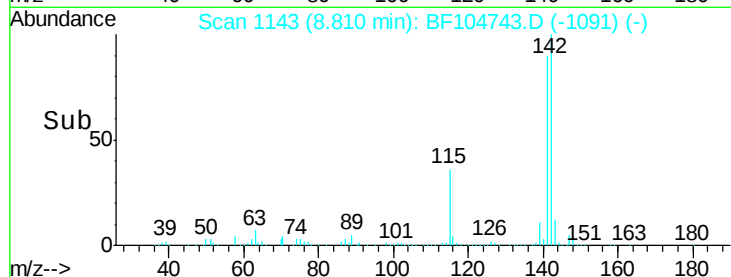
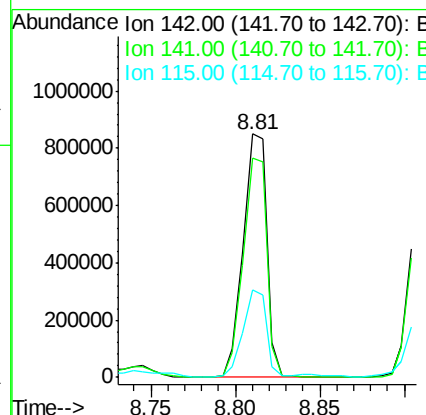
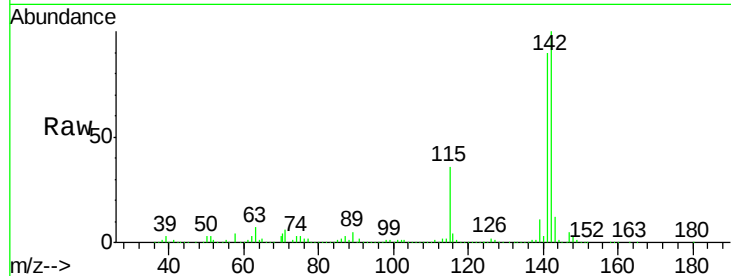
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.8	106.2
115	35.7	26.1	39.1

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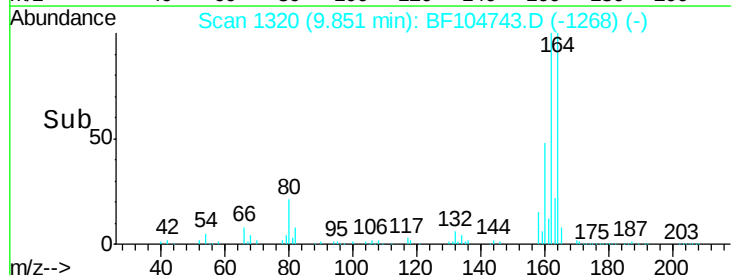
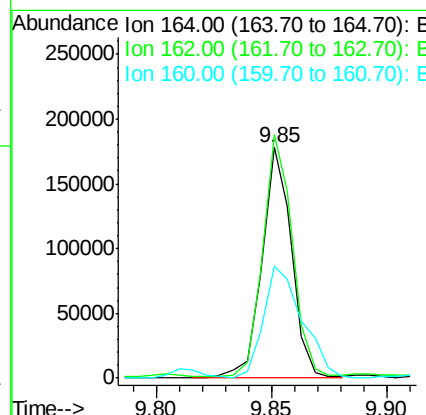
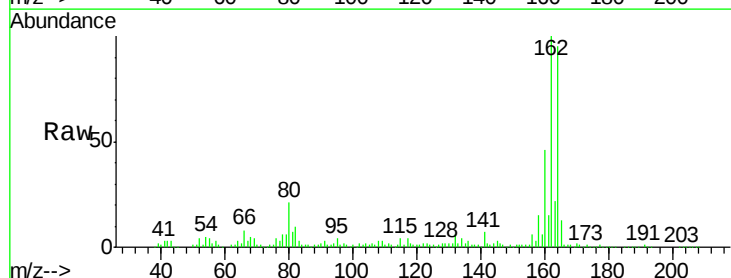
Sohil

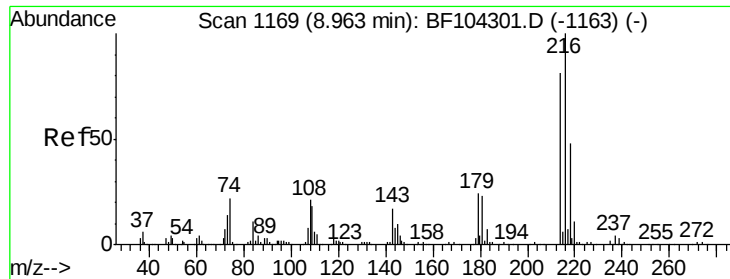
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	86.1	129.1
160	48.7	38.3	57.5





#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 36.500 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: BF104743.D
 Acq: 24 Apr 2018 8:16

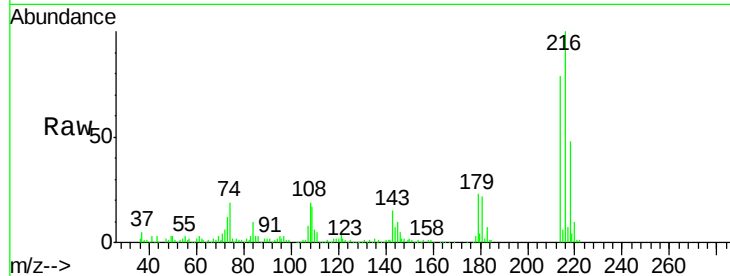
Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MS

Tot Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.0	94.4
179	22.9	18.1	27.1
108	18.9	17.2	25.8

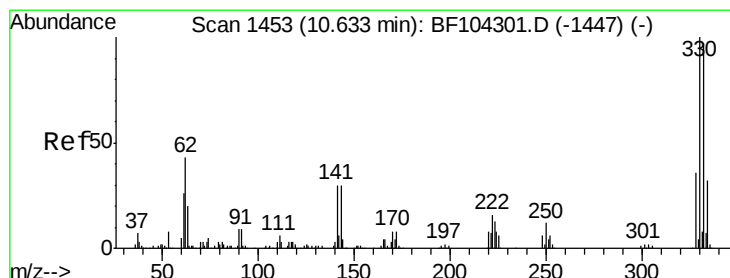
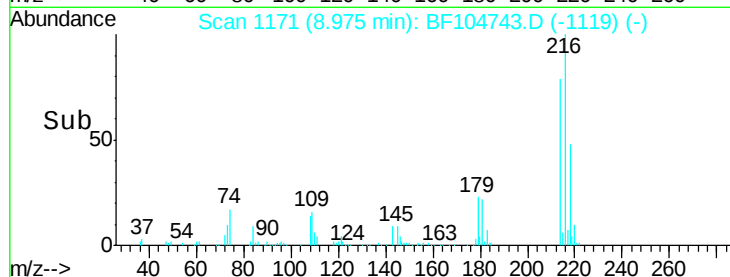
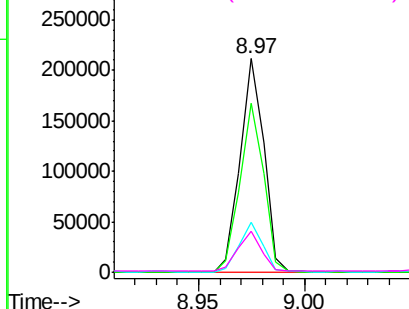
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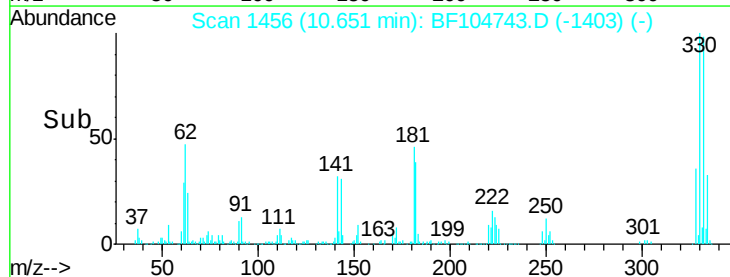
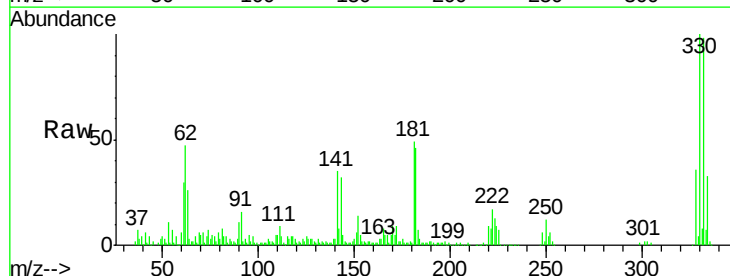
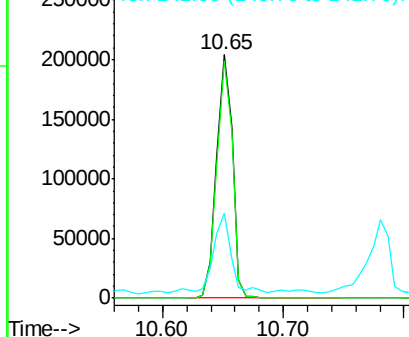
Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

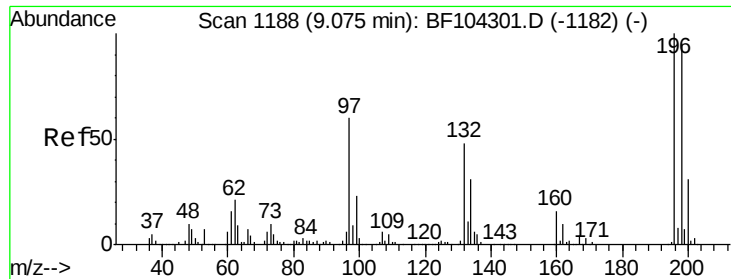


#41
 2,4,6-Tribromophenol
 Concen: 112.969 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.01 min
 Lab File: BF104743.D
 Acq: 24 Apr 2018 8:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	34.0	29.9	44.9

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





#42
 2,4,6-Trichlorophenol
 Concen: 33.953 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: BF104743.D
 Acq: 24 Apr 2018 8:16

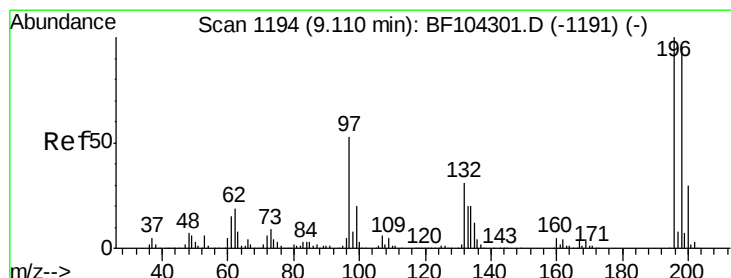
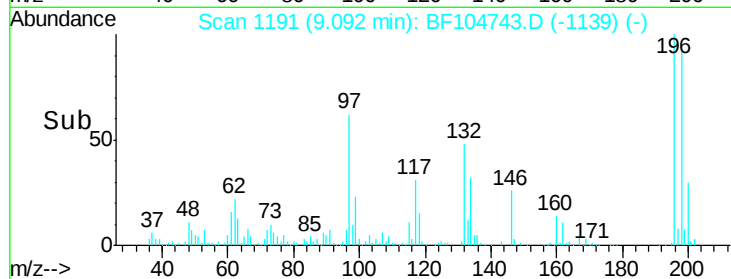
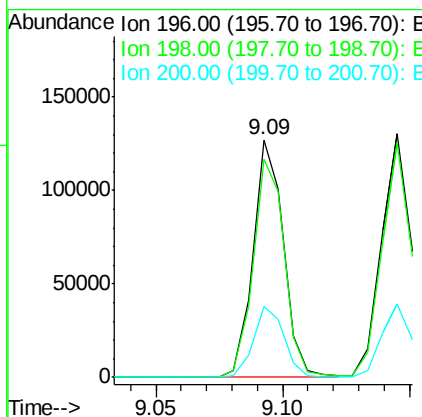
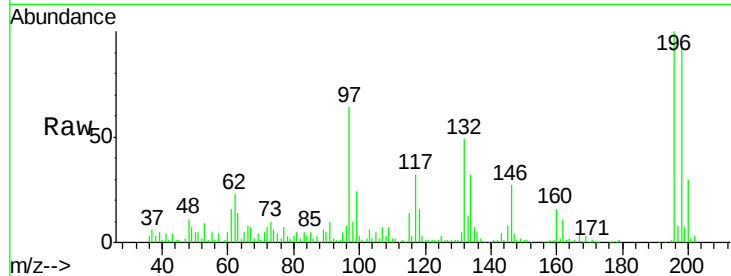
Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MS

Tot Ion:	196	Resp:	106301
Ion Ratio	Lower	Upper	
196	100		
198	91.6	75.7	113.5
200	29.6	24.5	36.7

Manual Integrations
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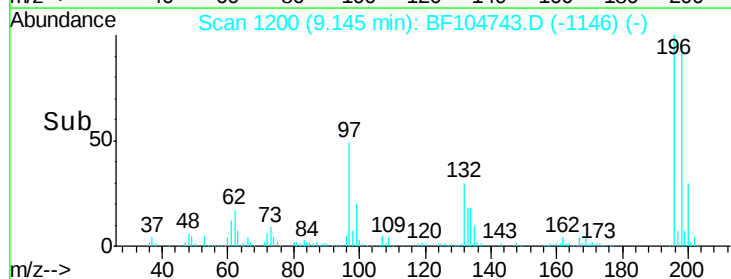
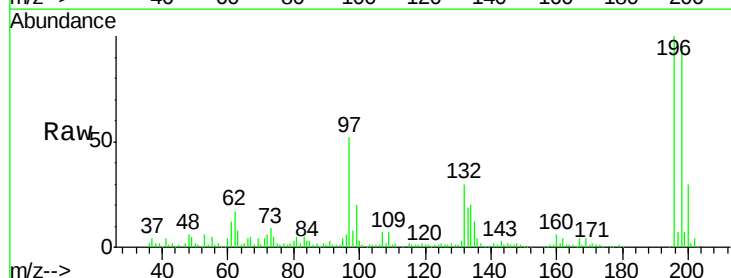
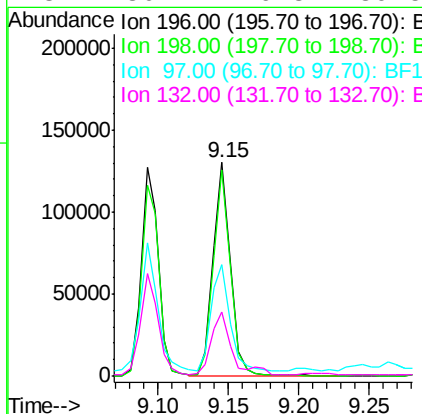
Sohil

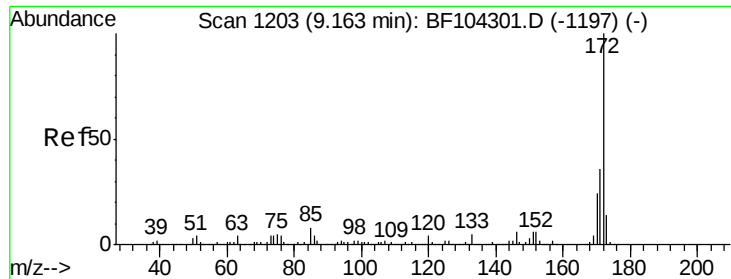
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#43
 2,4,5-Trichlorophenol
 Concen: 32.144 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.02 min
 Lab File: BF104743.D
 Acq: 24 Apr 2018 8:16

Tgt Ion:	196	Resp:	112617
Ion Ratio	Lower	Upper	
196	100		
198	96.4	74.6	112.0
97	51.9	42.9	64.3
132	30.2	26.3	39.5





#44
2-Fluorobiphenyl
Concen: 93.047 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

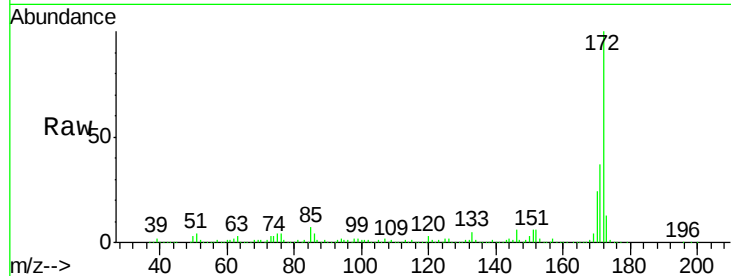
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
172	100		927980		
171	36.8	29.7		44.5	
170	24.2	19.6		29.4	

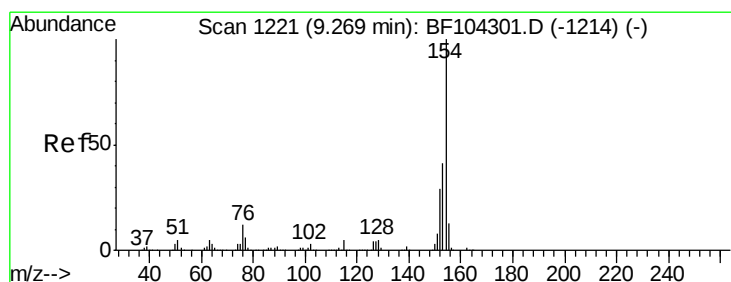
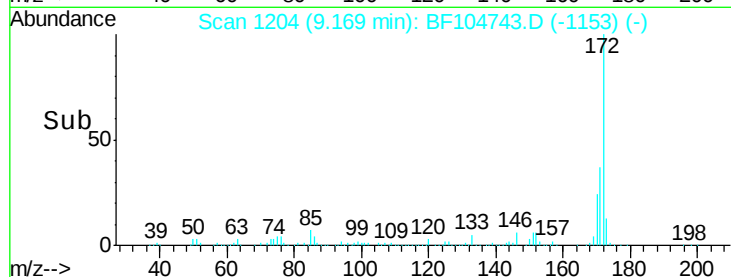
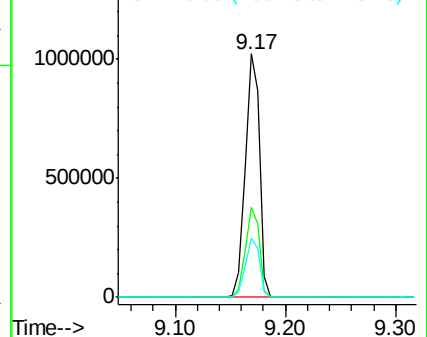
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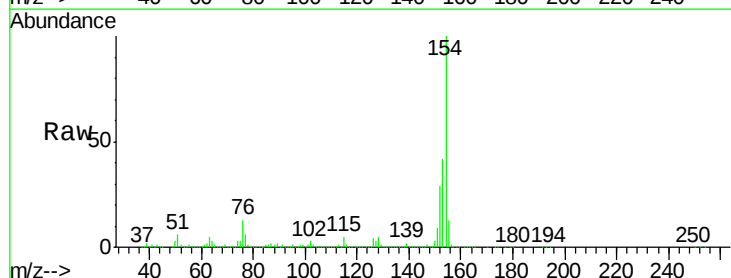


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

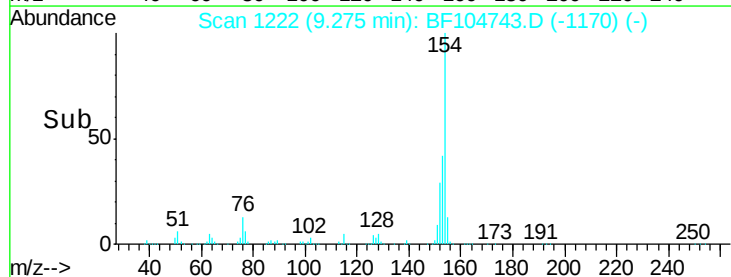
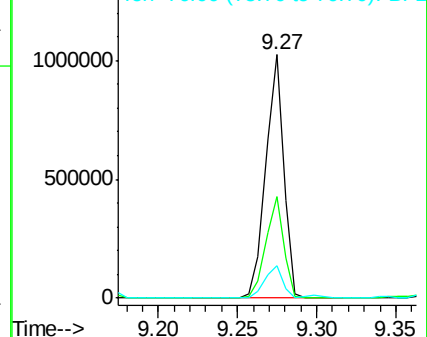


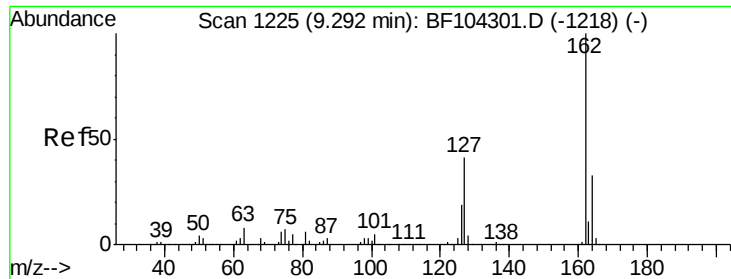
#45
1,1'-Biphenyl
Concen: 61.983 ng
RT: 9.27 min Scan# 1222
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100		820380		
153	41.6	21.3		61.3	
76	13.3	0.0		34.0	



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





#46
2-Chloronaphthalene
Concen: 33.490 ng
RT: 9.30 min Scan# 1226
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

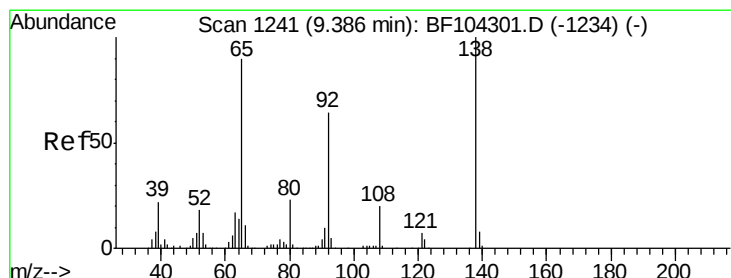
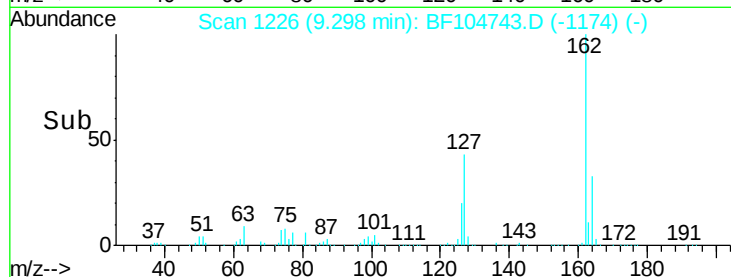
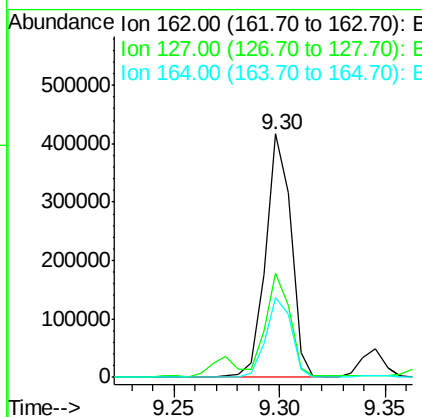
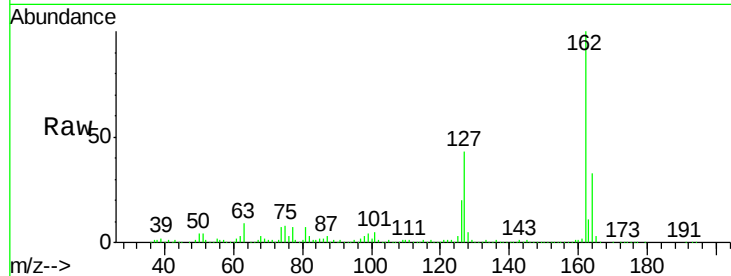
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion:	162	Resp:	350121
Ion Ratio	Lower	Upper	
162	100		
127	42.9	33.9	50.9
164	32.8	26.5	39.7

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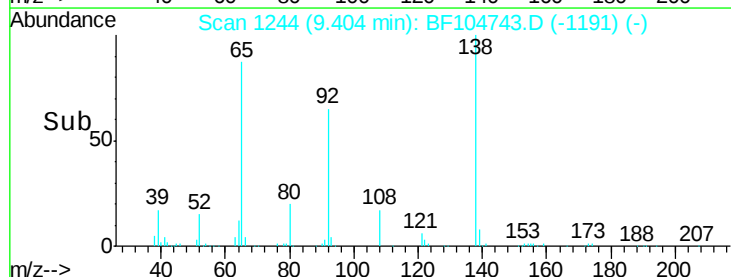
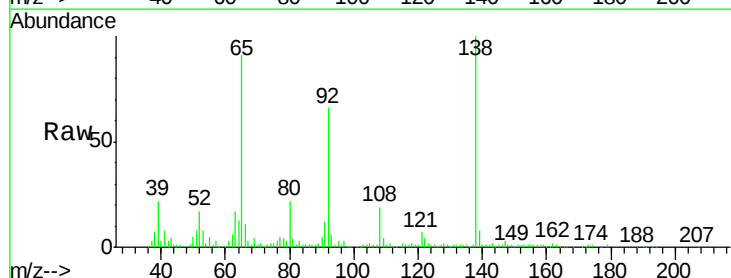
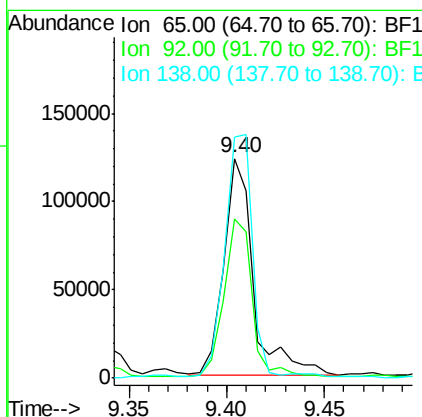
Sohil

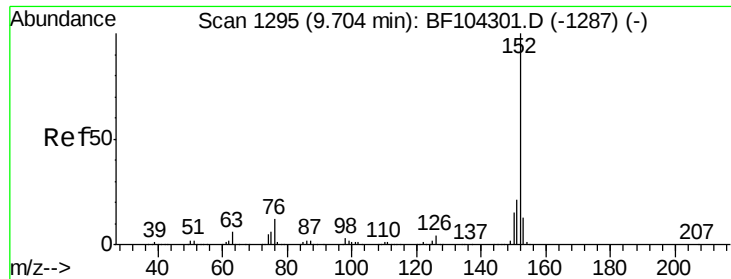
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#47
2-Nitroaniline
Concen: 50.612 ng
RT: 9.40 min Scan# 1244
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion:	65	Resp:	130851
Ion Ratio	Lower	Upper	
65	100		
92	72.5	55.8	83.6
138	109.7	91.2	136.8





#48

Acenaphthylene

Concen: 91.768 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.01 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MS

Tot Ion:152 Resp: 1505240

Ion Ratio Lower Upper

152 100

151 21.3 16.3 24.5

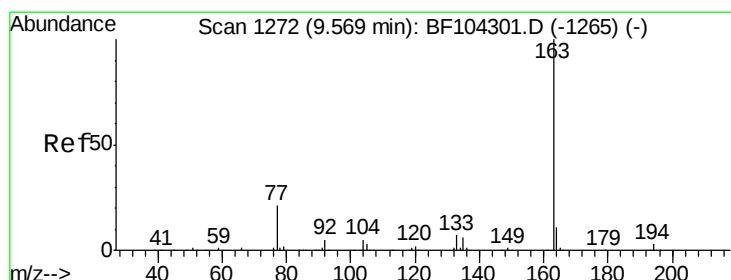
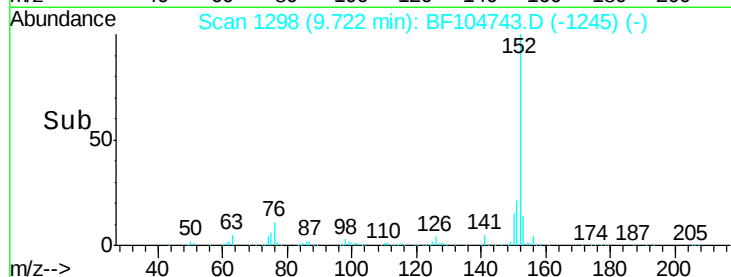
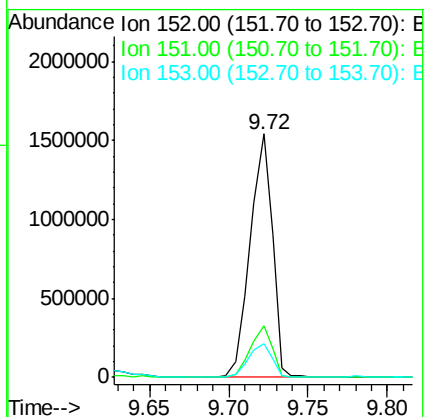
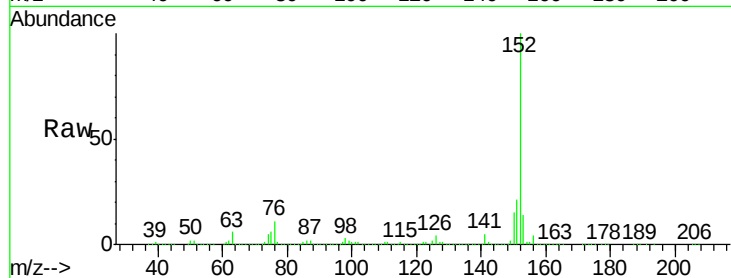
153 14.1 10.7 16.1

Manual Integrations

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Sohil

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#49

Dimethylphthalate

Concen: 37.469 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.00 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

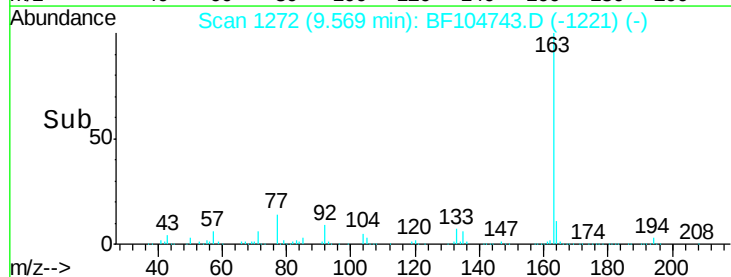
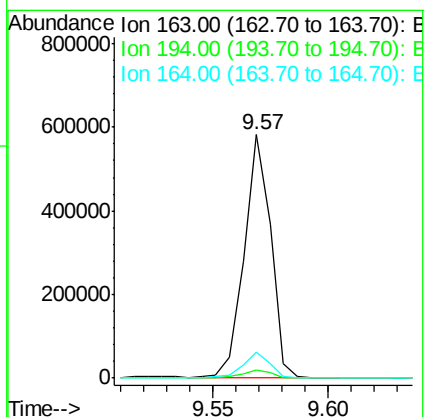
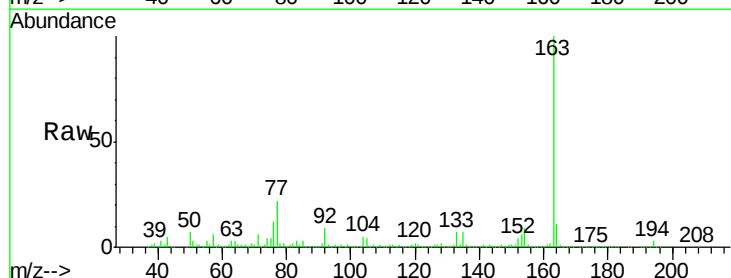
Tgt Ion:163 Resp: 465526

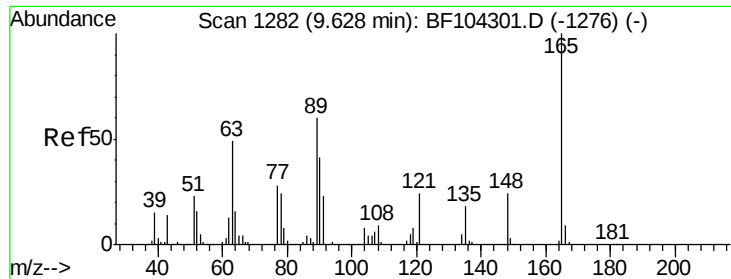
Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

164 10.7 8.2 12.2





#50
 2,6-Dinitrotoluene
 Concen: 22.862 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: BF104743.D
 Acq: 24 Apr 2018 8:16

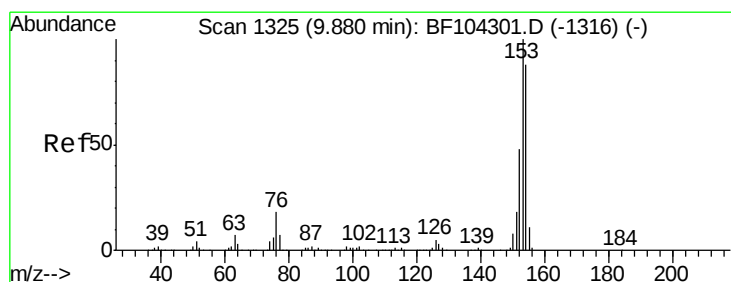
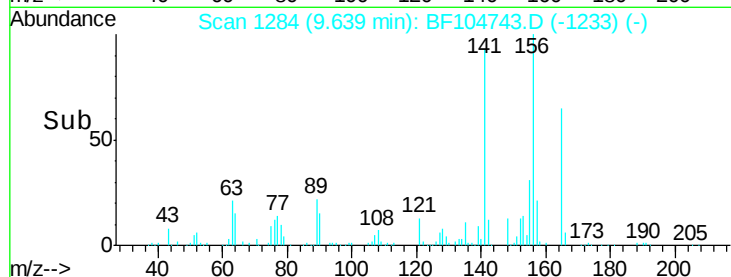
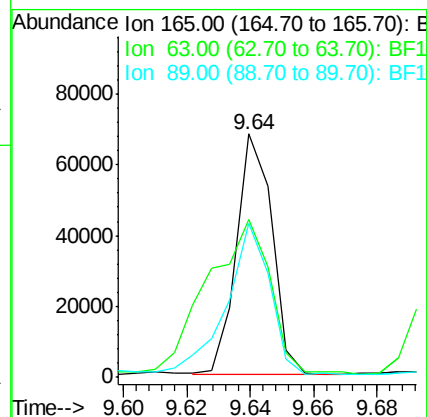
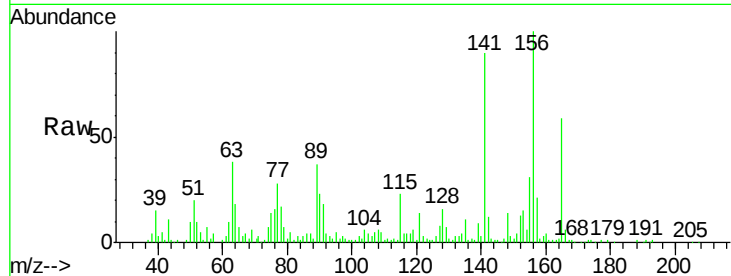
Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MS

Tot Ion:	165	Resp:	52560
Ion Ratio	Lower	Upper	
165	100		
63	65.0	44.7	67.1
89	63.2	44.0	66.0

Manual Integrations
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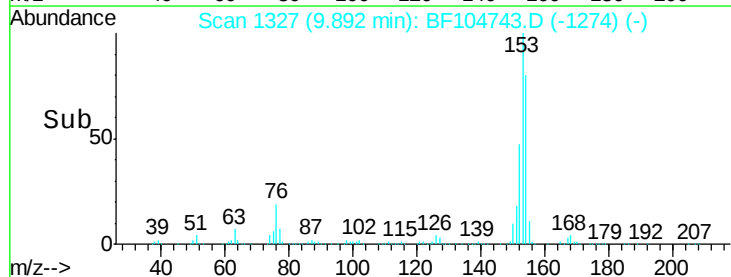
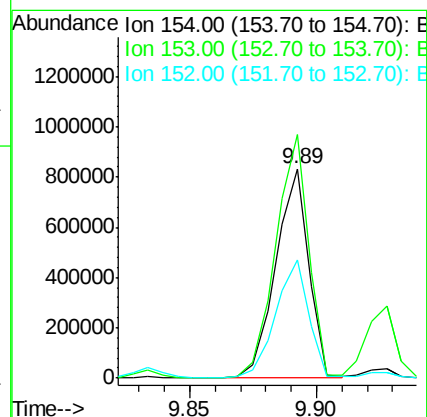
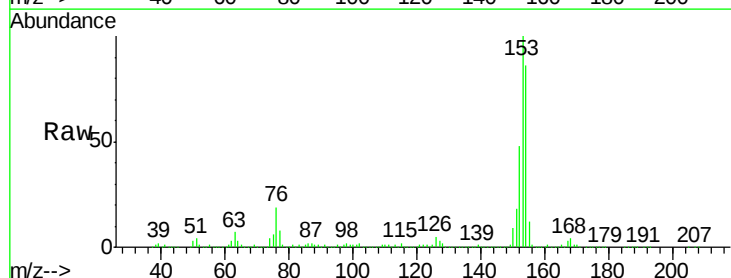
Sohil

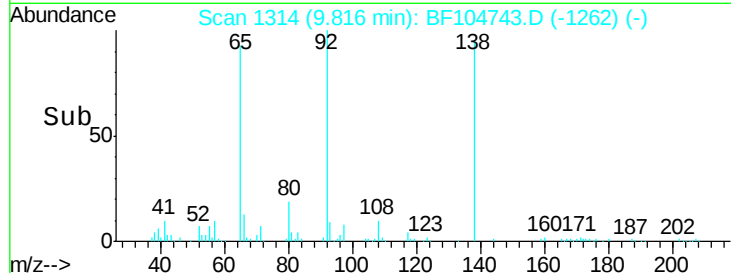
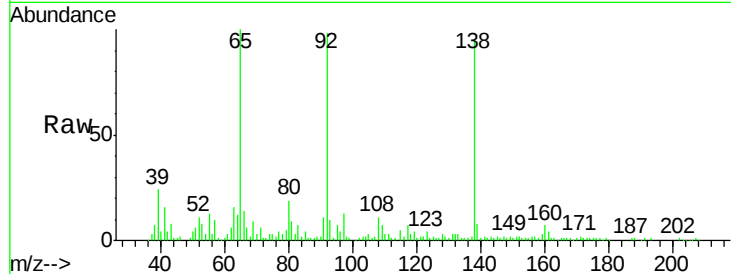
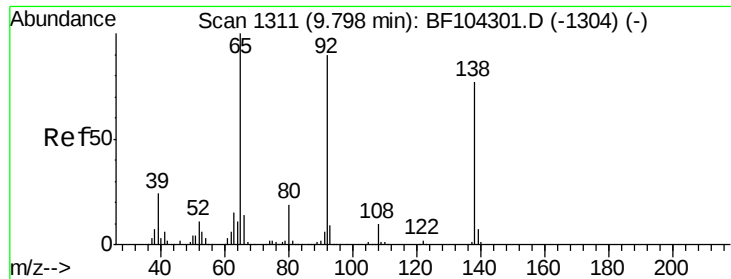
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#51
 Acenaphthene
 Concen: 75.582 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF104743.D
 Acq: 24 Apr 2018 8:16

Tgt Ion:	154	Resp:	756413
Ion Ratio	Lower	Upper	
154	100		
153	116.2	91.2	136.8
152	56.3	43.8	65.8





#52
3-Nitroaniline
Concen: 28.984 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

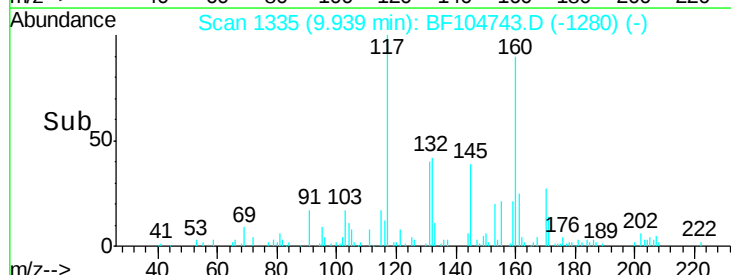
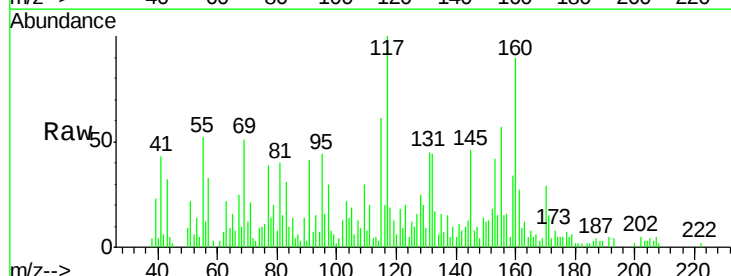
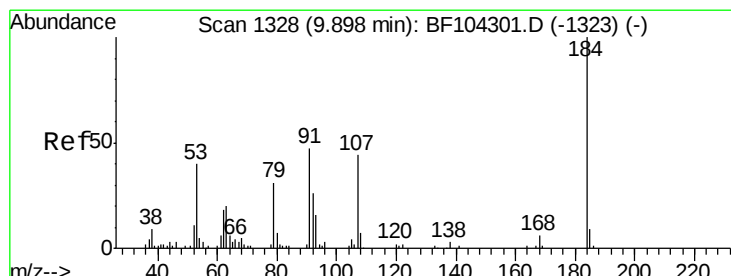
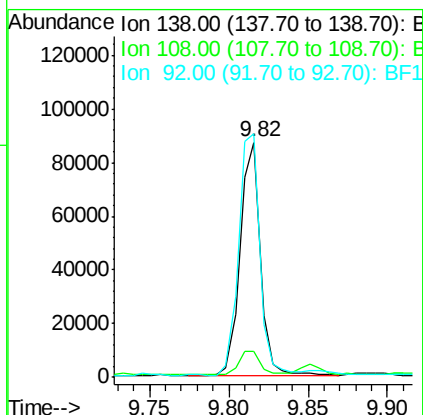
Tot Ion:138	Resp:	78007
Ion Ratio	Lower	Upper
138	100	
108	11.3	9.4 14.0
92	103.7	89.4 134.2

Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Manual Integrations
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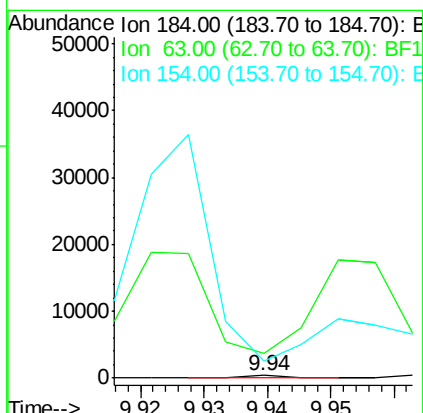
Sohil

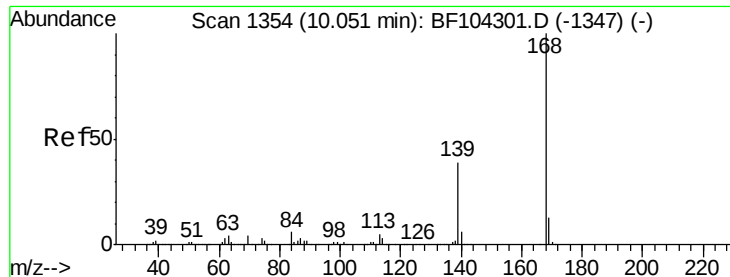
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#53
2,4-Dinitrophenol
Concen: 5.348 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.02 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion:184	Resp:	140
Ion Ratio	Lower	Upper
184	100	
63	913.4	54.2 81.2#
154	632.1	184.0 276.0#





#54
Dibenzofuran
Concen: 52.107 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

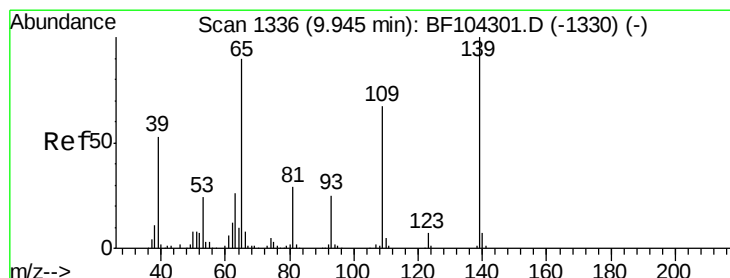
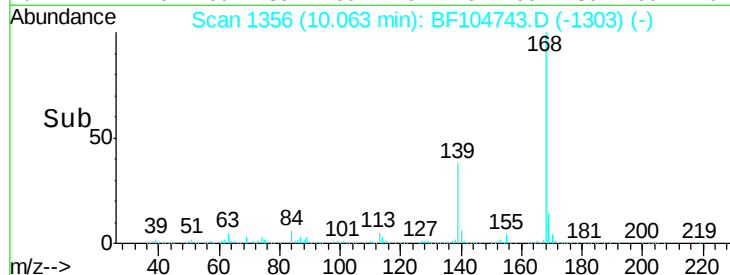
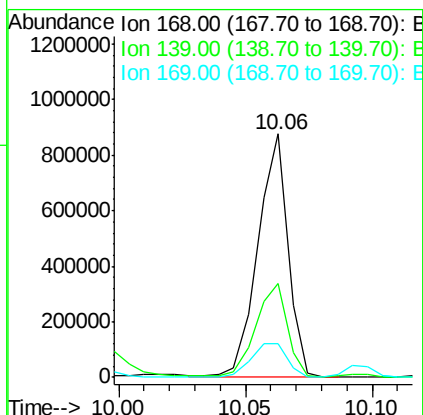
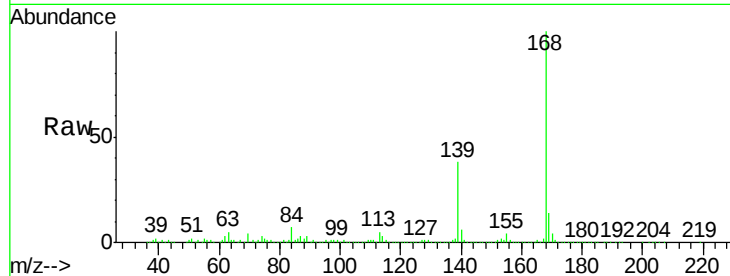
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.4	30.1	45.1
169	13.9	10.9	16.3

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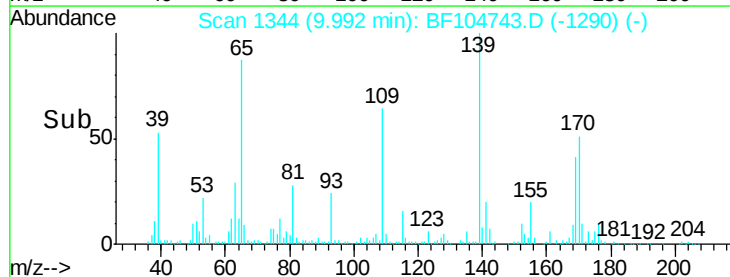
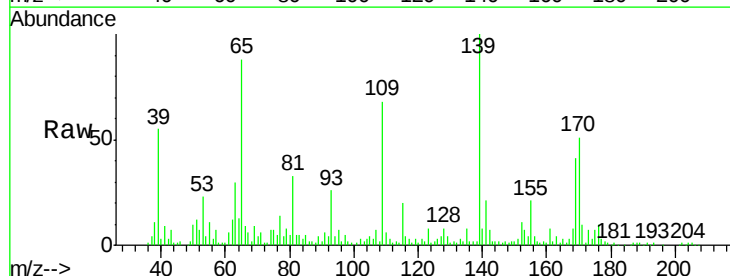
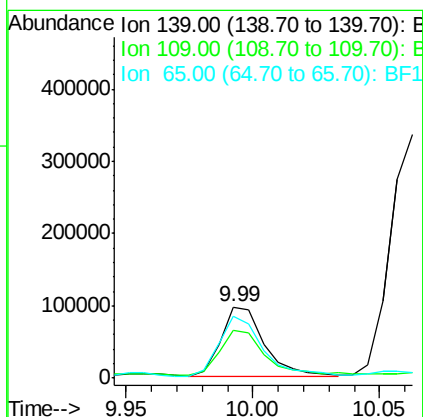
Sohil

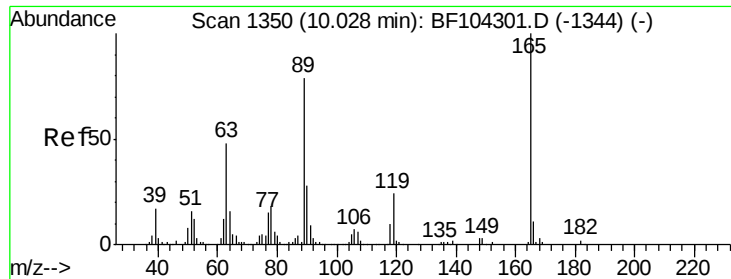
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#55
4-Nitrophenol
Concen: 54.397 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.02 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion	Ratio	Lower	Upper
139	100		
109	68.1	48.4	88.4
65	88.2	72.6	112.6





#56
2,4-Dinitrotoluene
Concen: 20.265 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

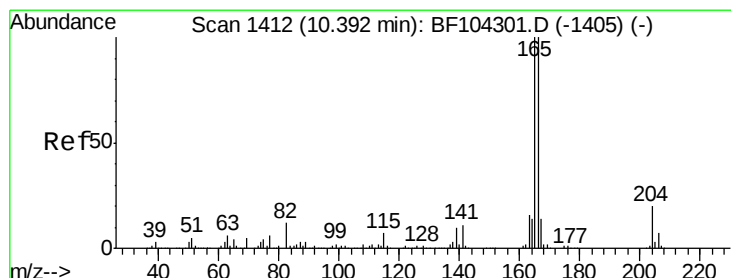
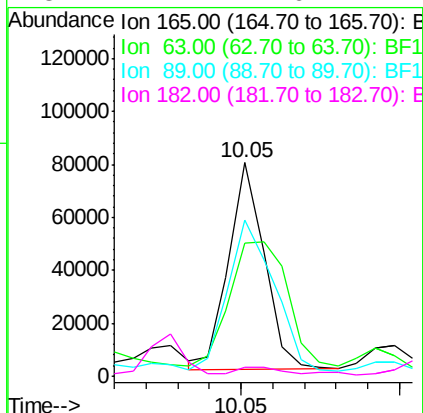
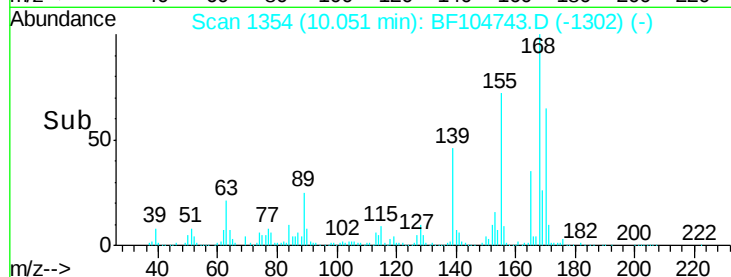
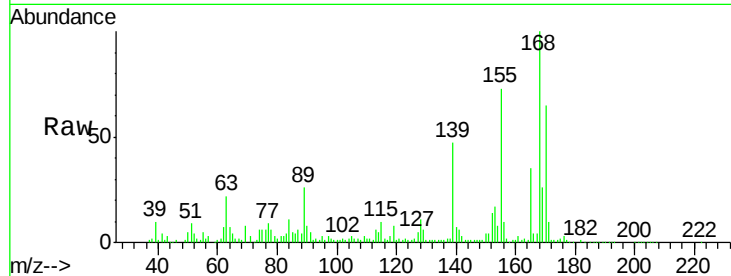
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		61110		
63	62.1	36.4	54.6#		
89	73.3	57.8	86.6		
182	4.1	1.6	2.4#		

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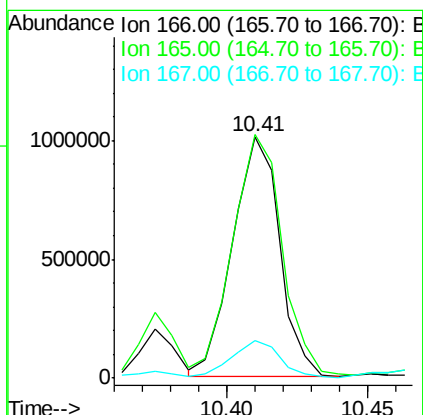
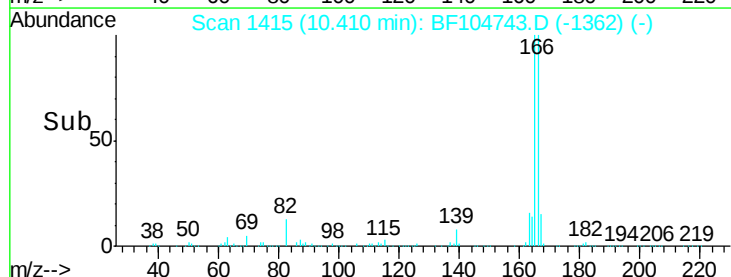
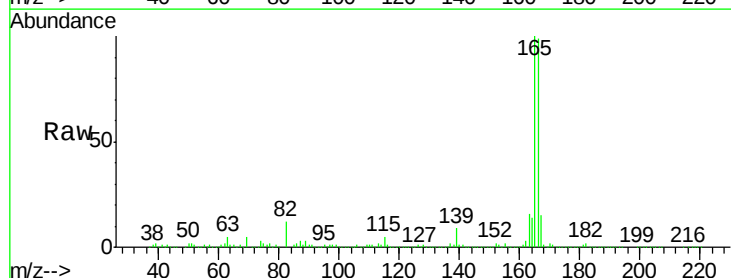
Sohil

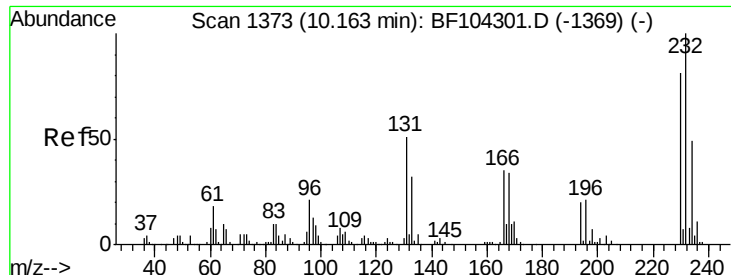
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#57
Fluorene
Concen: 114.832 ng
RT: 10.41 min Scan# 1415
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		1165725		
165	100.9	79.8	119.8		
167	15.4	10.6	16.0		





#58
2,3,4,6-Tetrachlorophenol
Concen: 30.684 ng
RT: 10.19 min Scan# 1377
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

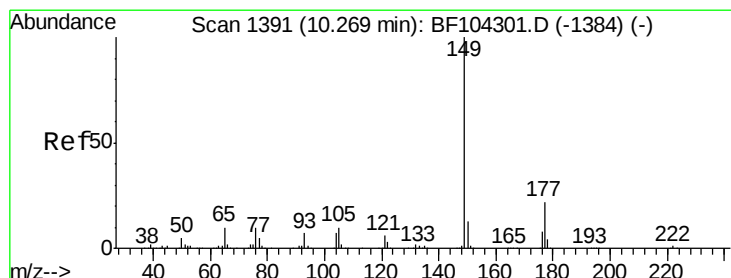
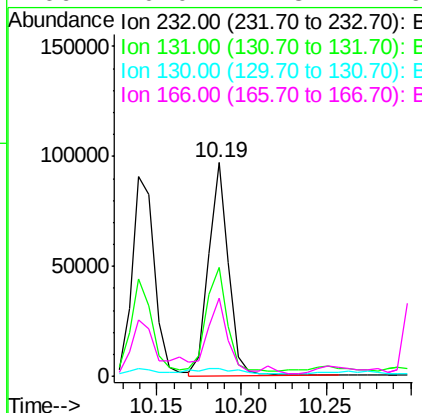
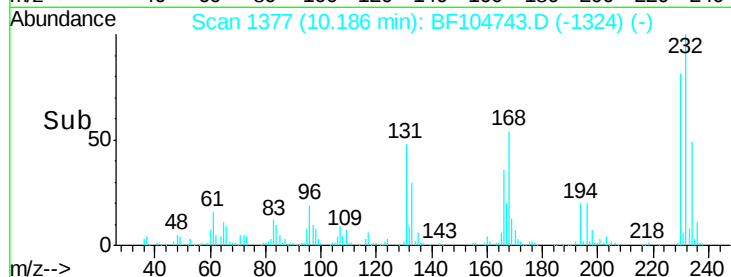
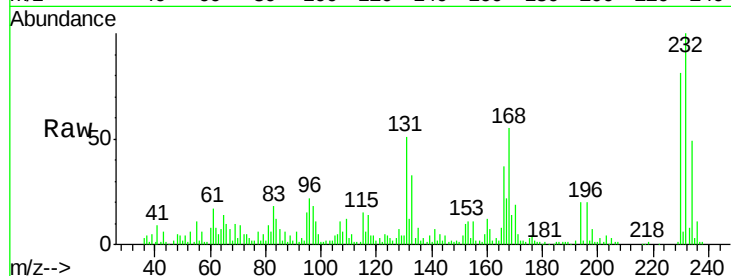
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion	Ratio	Lower	Upper
232	100		
131	50.3	43.8	65.8
130	5.9	2.1	3.1#
166	0.0	27.8	41.6#

Manual Integrations
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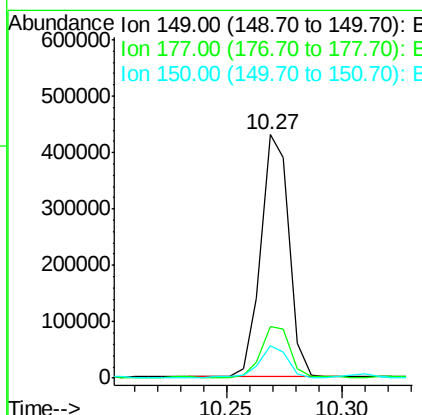
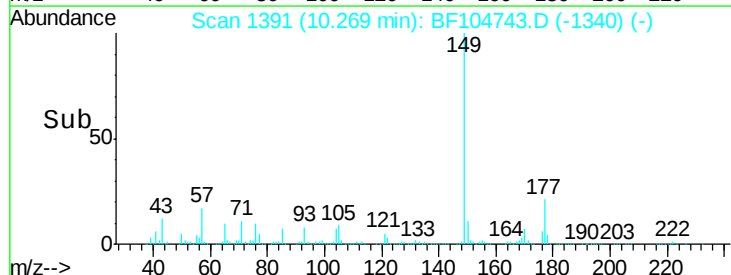
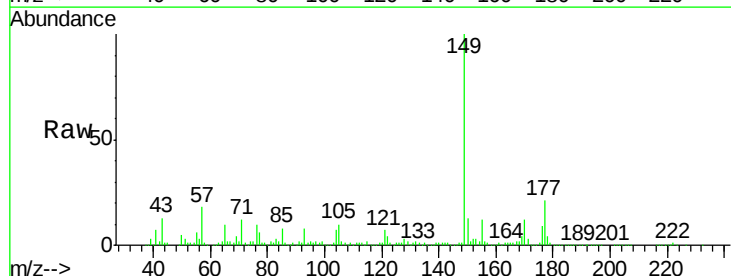
Sohil

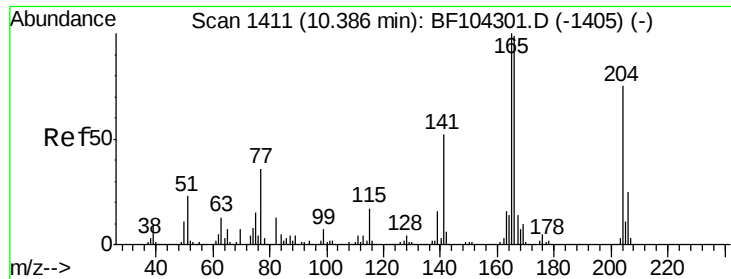
4/24/2018 3:49:15 PM



#59
Diethylphthalate
Concen: 29.598 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.0	16.1	24.1
150	13.1	10.1	15.1





#60
4-Chlorophenyl-phenylether
Concen: 33.728 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

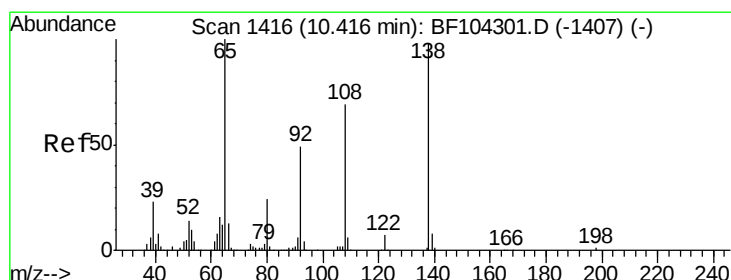
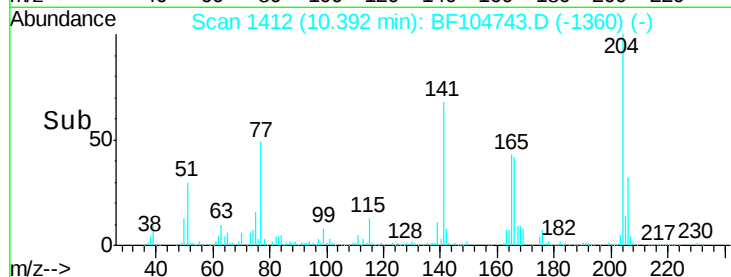
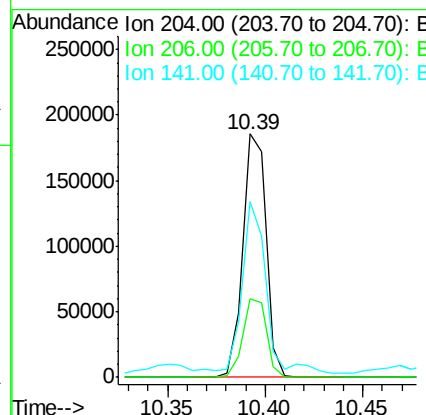
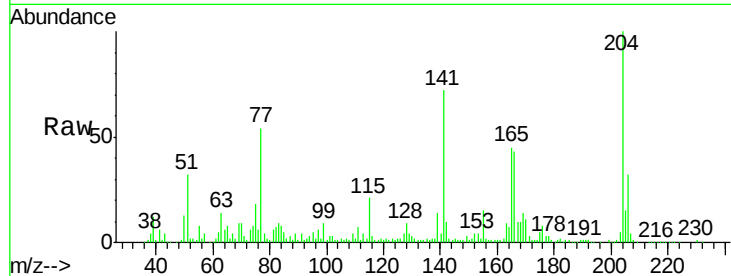
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.5	39.7
141	72.4	54.6	81.8

Manual Integrations
APPROVED

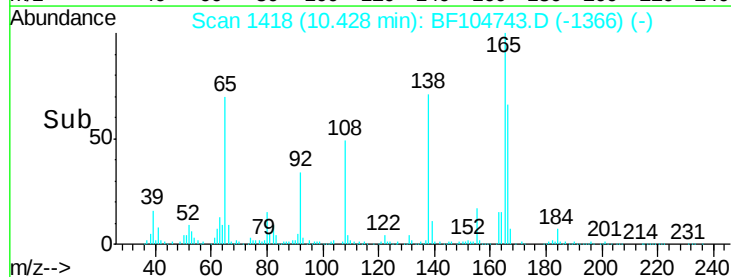
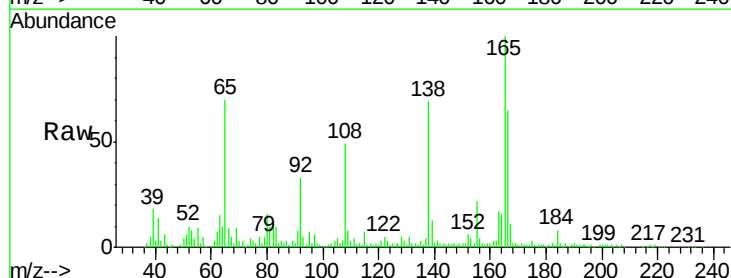
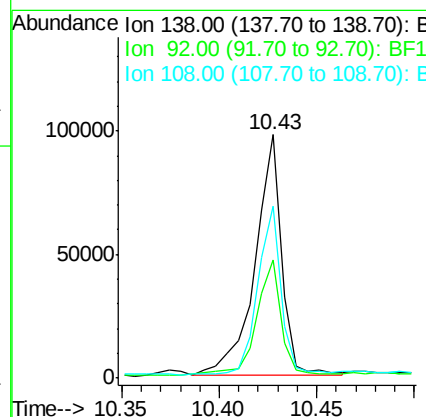
Sohil

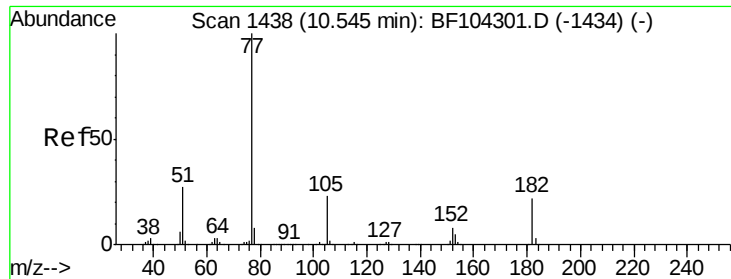
4/24/2018 3:49:15 PM



#61
4-Nitroaniline
Concen: 34.755 ng
RT: 10.43 min Scan# 1418
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.4	30.2	70.2
108	70.4	52.5	92.5





#62
Azobenzene
Concen: 27.199 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

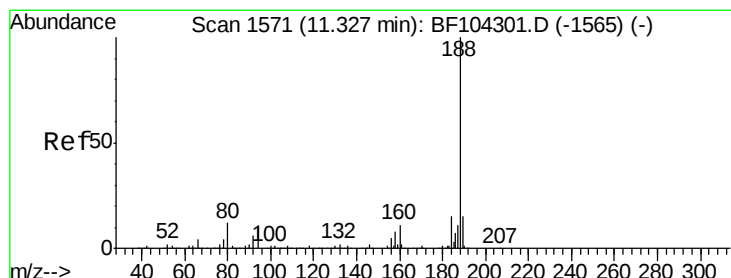
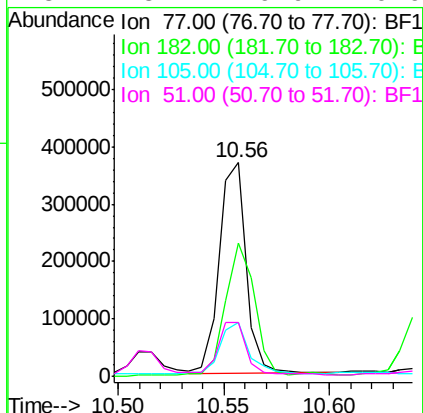
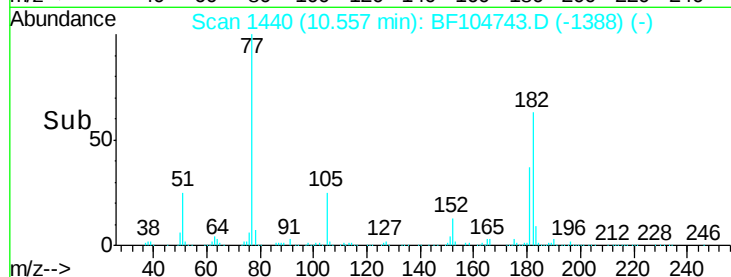
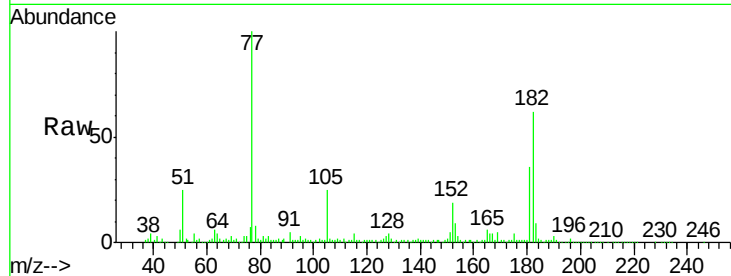
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	62.1	1.7	41.7#		
105	24.9	3.0	43.0		
51	25.4	9.9	49.9		

Manual Integrations
APPROVED

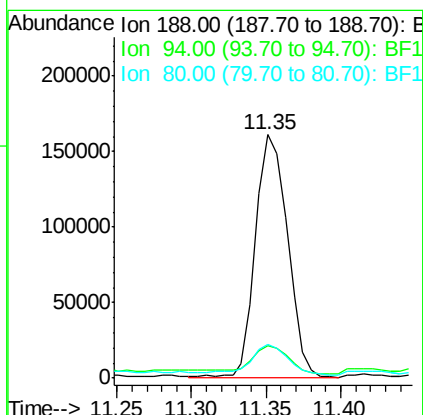
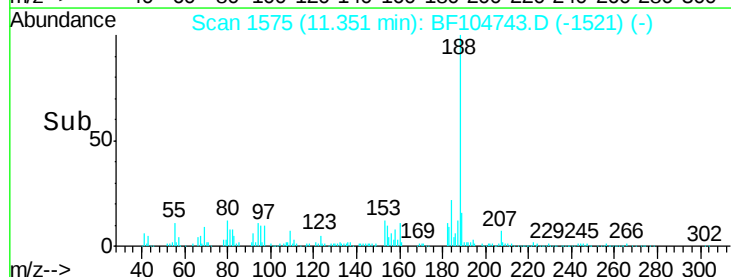
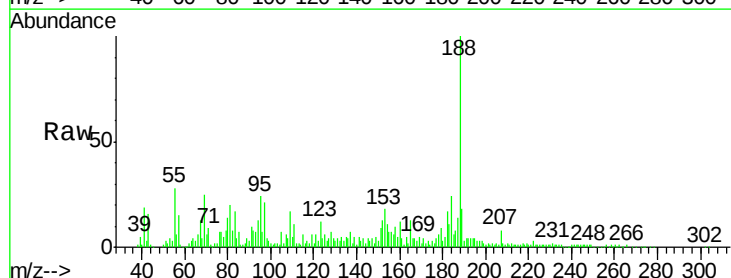
Sohil

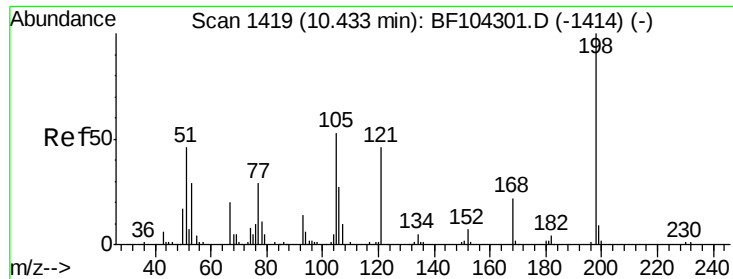
4/24/2018 3:49:15 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.02 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	13.2	8.5	12.7#		
80	13.7	9.2	13.8		





#64
4,6-Dinitro-2-methylphenol
Concen: 8.639 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

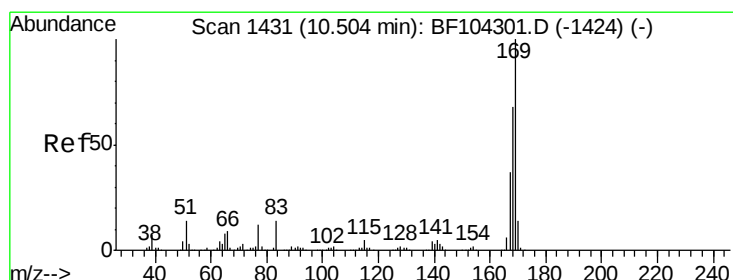
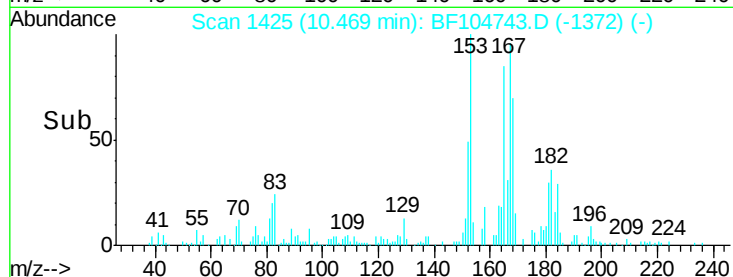
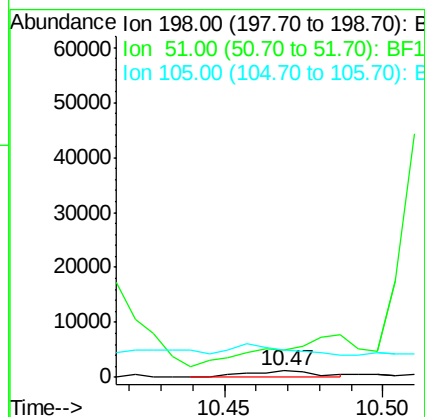
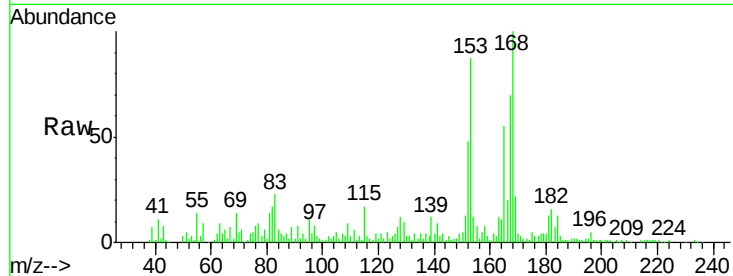
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion	Ratio	Lower	Upper
198	100		
51	418.2	37.7	77.7#
105	408.9	36.3	76.3#

Manual Integrations
APPROVED

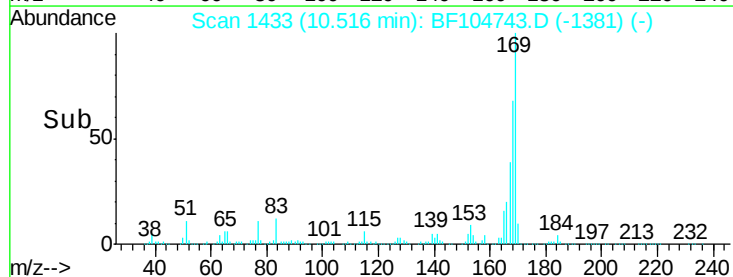
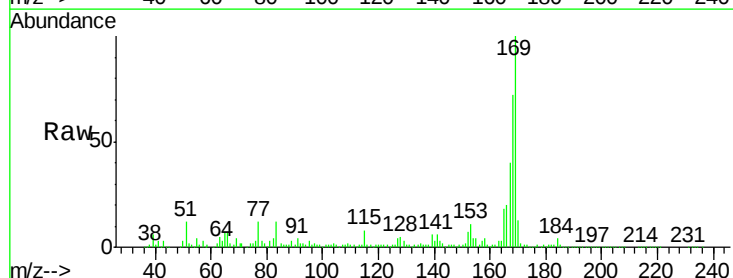
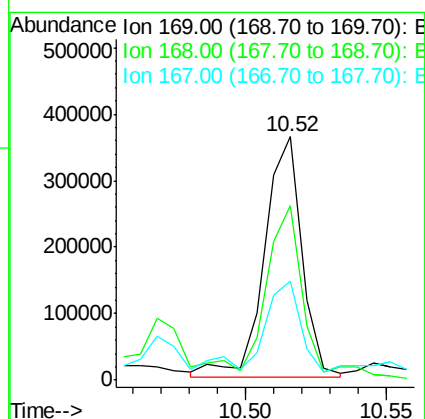
Sohil

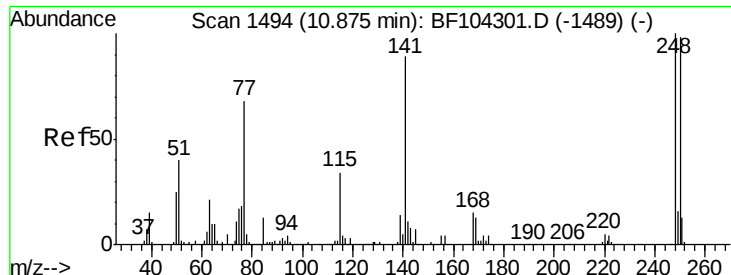
4/24/2018 3:49:15 PM



#65
n-Nitrosodiphenylamine
Concen: 40.073 ng
RT: 10.52 min Scan# 1433
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion	Ratio	Lower	Upper
169	100		
168	71.6	54.4	81.6
167	40.4	29.8	44.6





#66
4-Bromophenyl-phenylether
Concen: 35.947 ng
RT: 10.89 min Scan# 1496
Delta R.T. 0.01 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

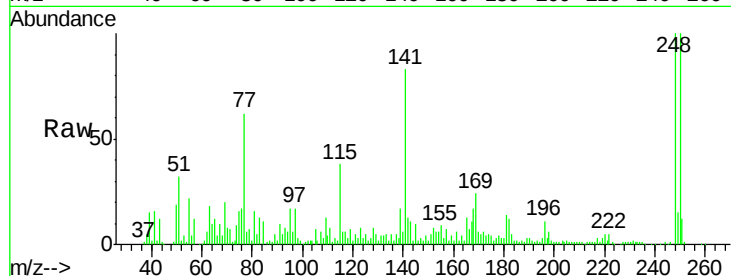
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	100.2	76.9	115.3
141	83.3	74.4	111.6

Manual Integrations
APPROVED

Sohil

4/24/2018 3:49:15 PM

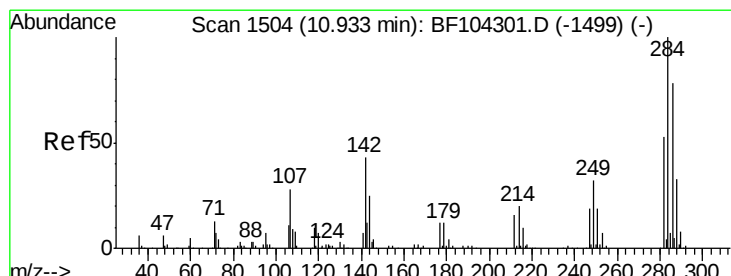
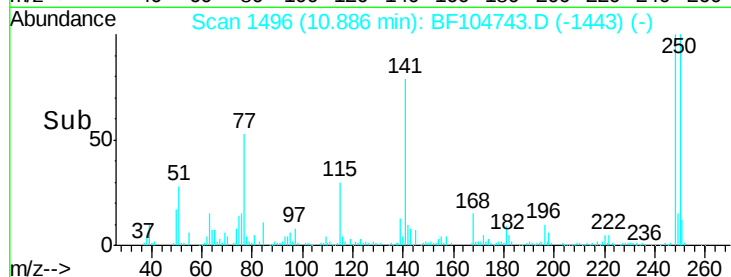
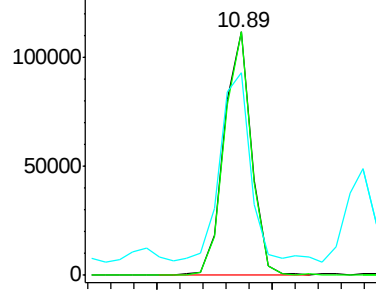


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#67
Hexachlorobenzene
Concen: 32.573 ng
RT: 10.97 min Scan# 1510
Delta R.T. 0.02 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

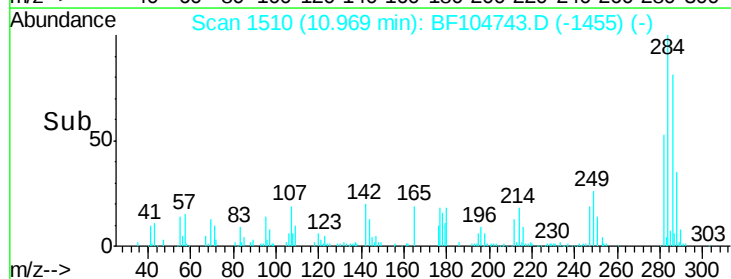
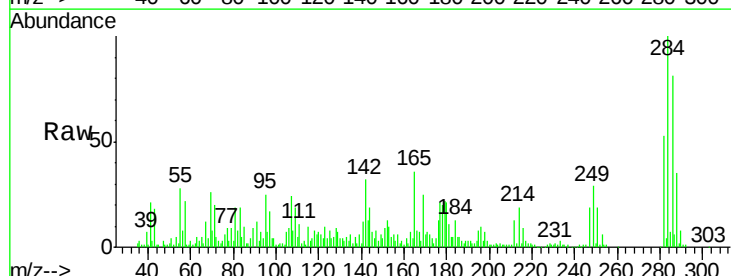
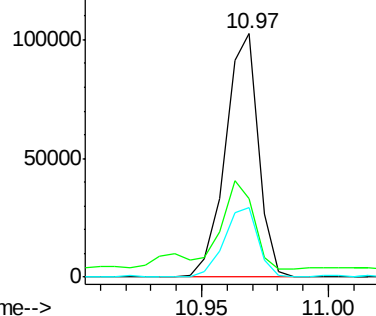
Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.1	34.6	52.0#
249	28.6	24.8	37.2

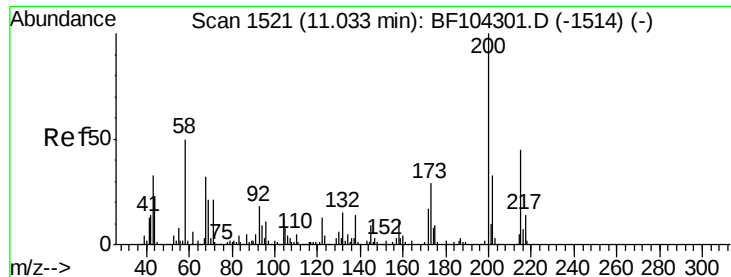
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#68
Atrazine
Concen: 33.733 ng
RT: 11.06 min Scan# 1525
Delta R.T. 0.02 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

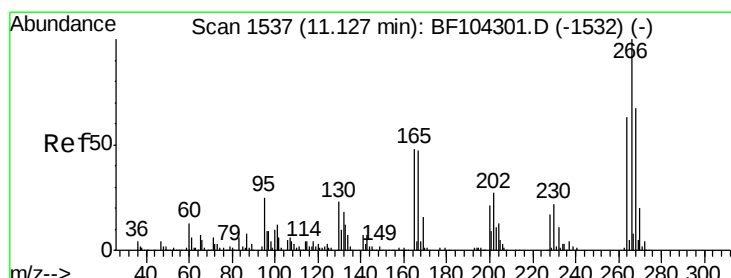
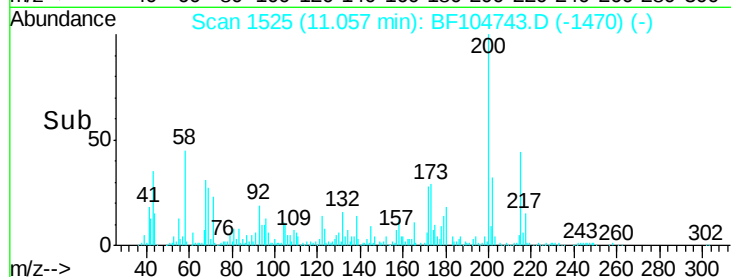
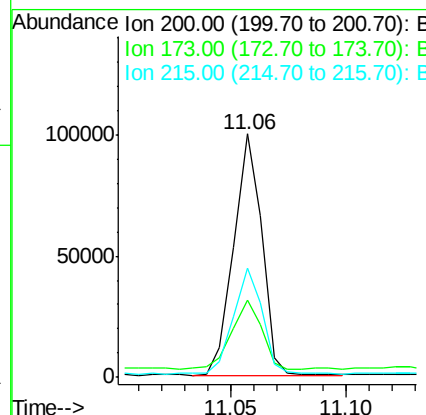
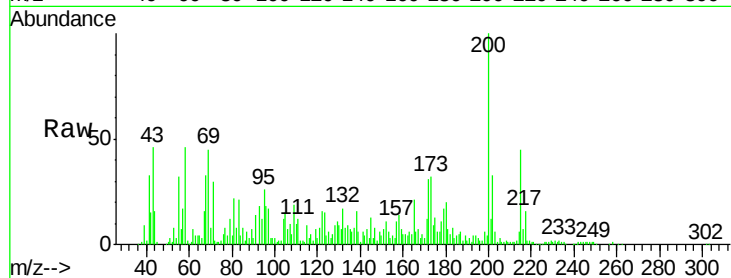
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion	Ratio	Lower	Upper
200	100		
173	31.9	8.6	48.6
215	44.9	25.1	65.1

Manual Integrations
APPROVED

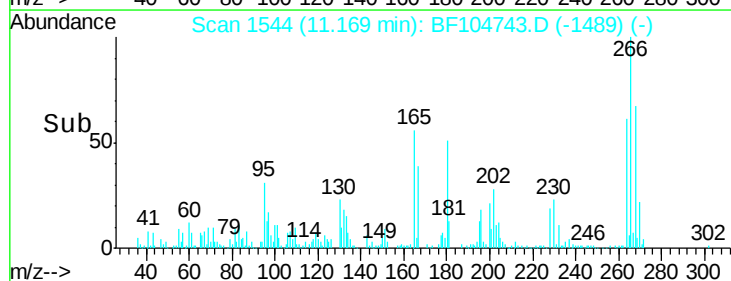
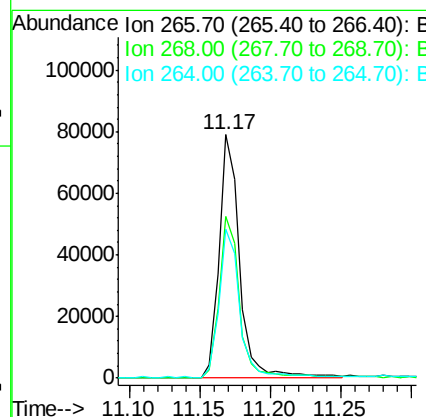
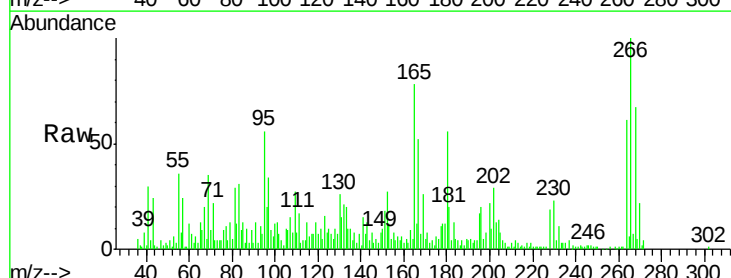
Sohil

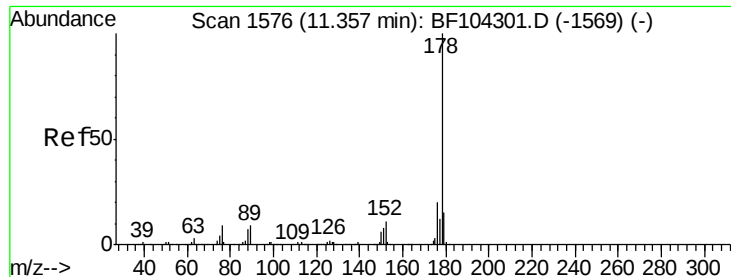
4/24/2018 3:49:15 PM



#69
Pentachlorophenol
Concen: 45.296 ng
RT: 11.17 min Scan# 1544
Delta R.T. 0.02 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.7	51.1	76.7
264	61.3	49.5	74.3





#70

Phenanthrene

Concen: 245.129 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.04 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MS

Tot Ion:178 Resp: 3256759

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

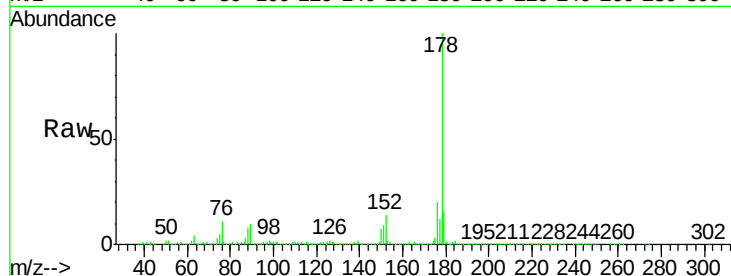
179 15.8 13.0 19.6

Manual Integrations

APPROVED

Sohil

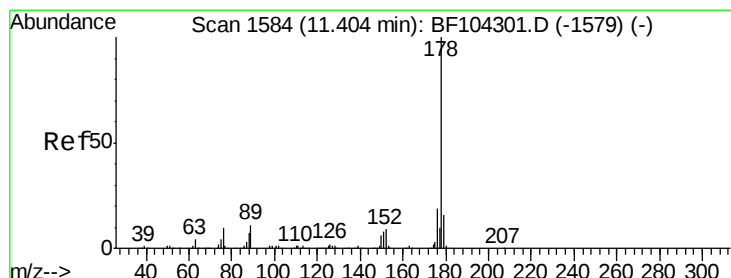
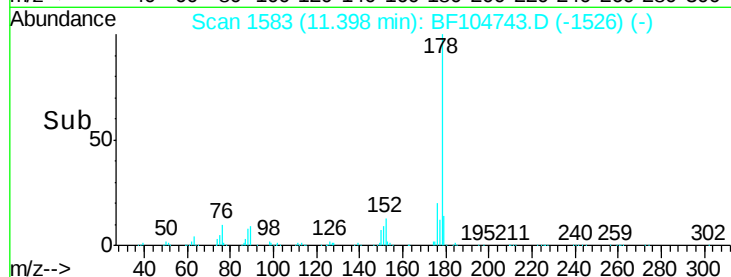
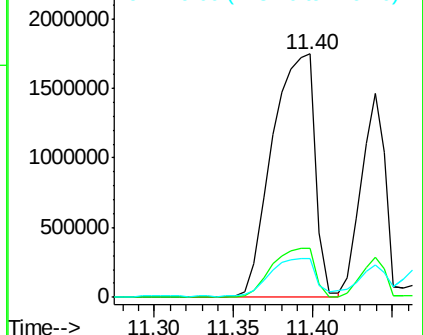
4/24/2018 3:49:15 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 113.885 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.02 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Tgt Ion:178 Resp: 1538054

Ion Ratio Lower Upper

178 100

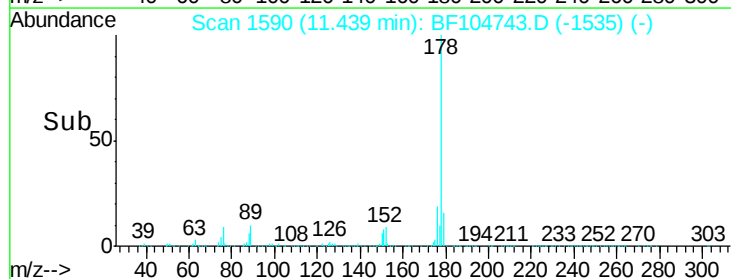
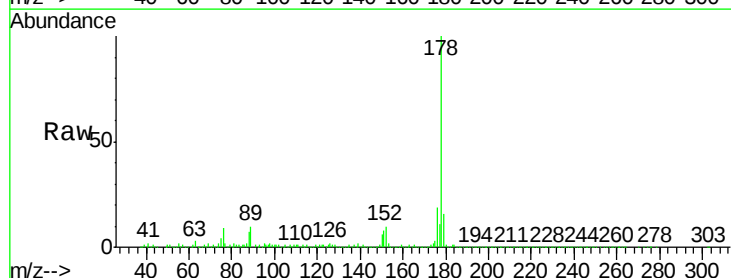
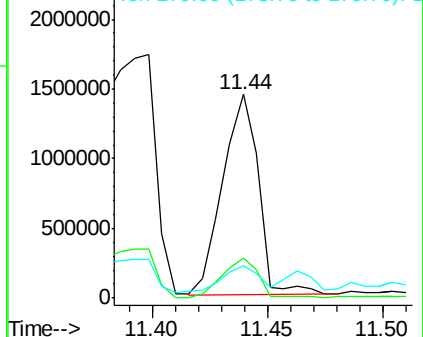
176 19.4 15.4 23.2

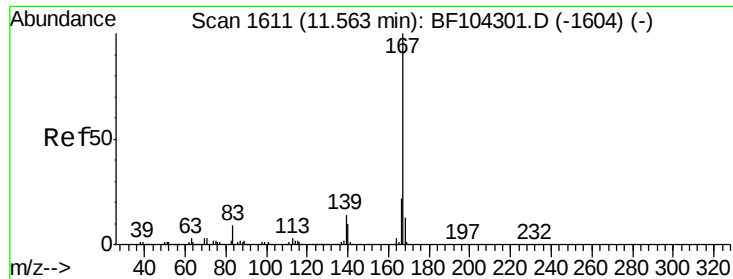
179 16.1 12.6 19.0

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 76.459 ng

RT: 11.59 min Scan# 1616

Delta R.T. 0.02 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

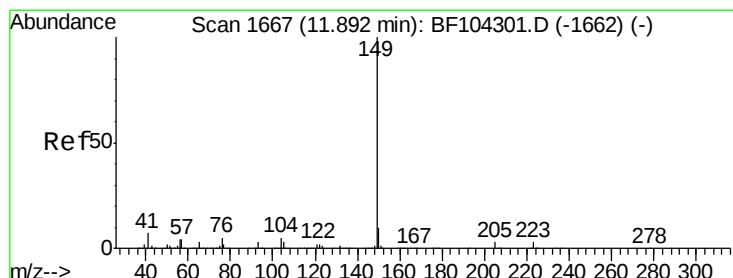
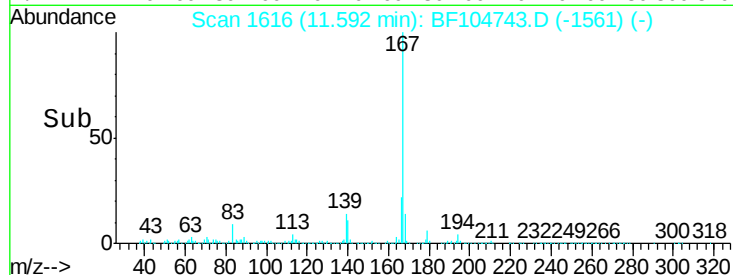
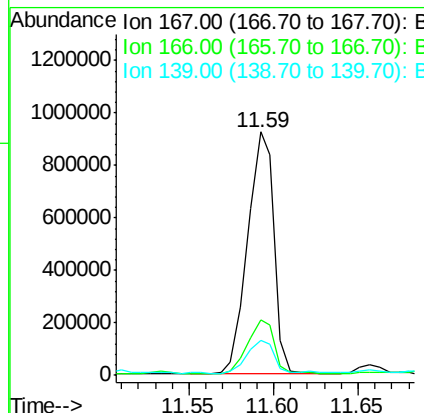
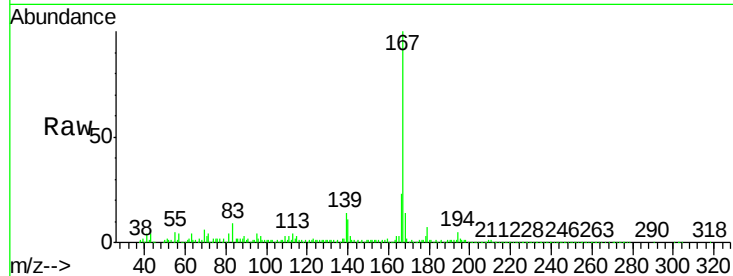
A2-SB01-BOT-4.5MS

Tot Ion:	167	Resp:	1009027
Ion Ratio	Lower	Upper	
167	100		
166	22.9	17.6	26.4
139	14.4	10.9	16.3

Manual Integrations
APPROVED

Sohil

4/24/2018 3:49:15 PM



#73

Di-n-butylphthalate

Concen: 31.368 ng

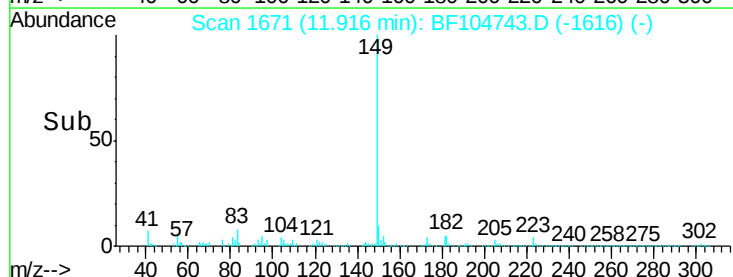
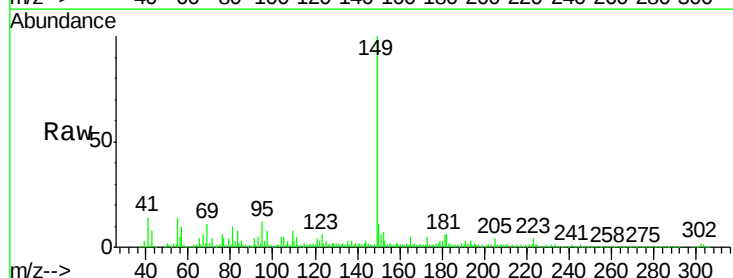
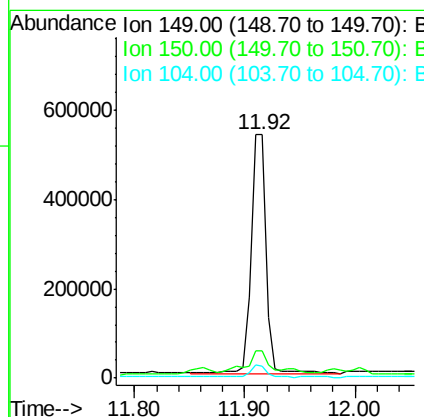
RT: 11.92 min Scan# 1671

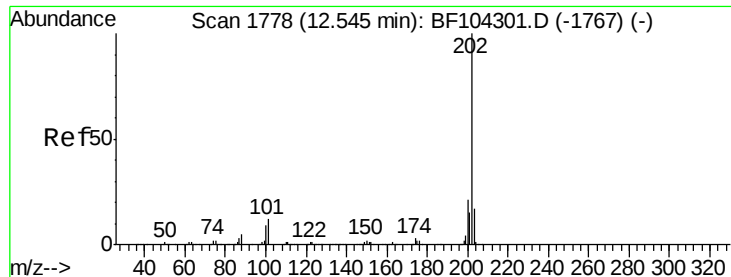
Delta R.T. 0.02 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Tgt Ion:	149	Resp:	505681
Ion Ratio	Lower	Upper	
149	100		
150	11.1	7.8	11.6
104	4.8	3.8	5.8





#74

Fluoranthene

Concen: 203.257 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.06 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

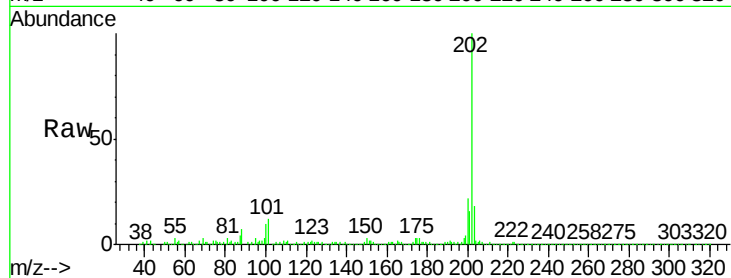
A2-SB01-BOT-4.5MS

Tot Ion:	202	Resp:	2821454
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.1
203	18.4	0.0	38.1

Manual Integrations
APPROVED

Sohil

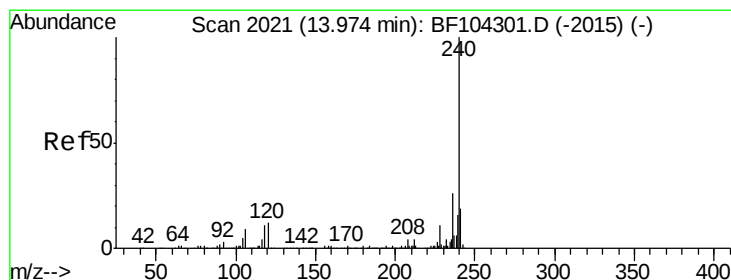
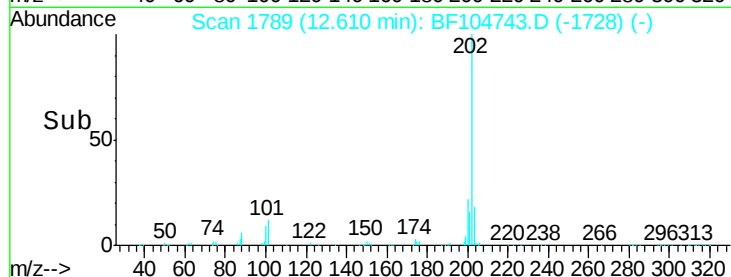
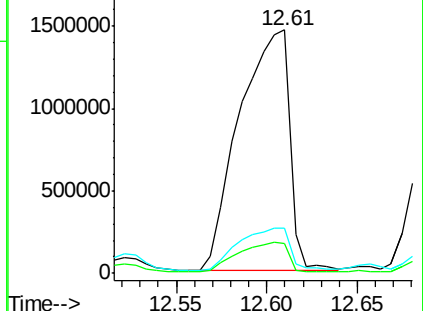
4/24/2018 3:49:15 PM



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.05 min

Lab File: BF104743.D

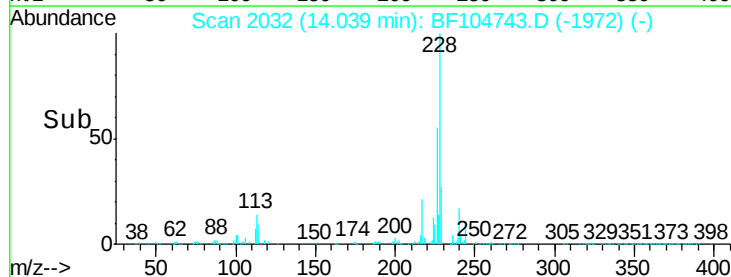
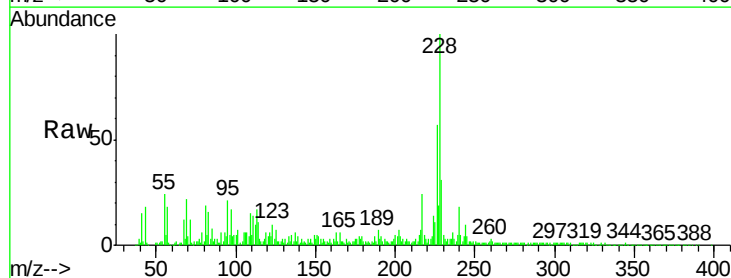
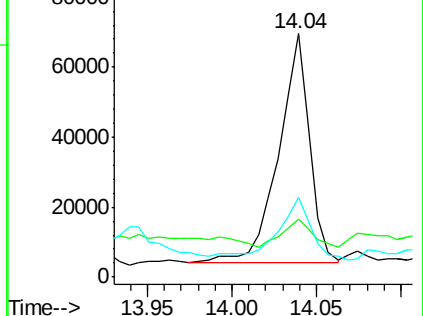
Acq: 24 Apr 2018 8:16

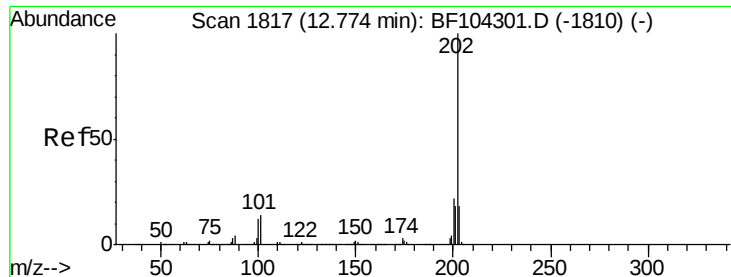
Tgt Ion:	240	Resp:	83866
Ion	Ratio	Lower	Upper
240	100		
120	23.6	9.5	14.3#
236	33.0	20.7	31.1#

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 502.601 ng

RT: 12.85 min Scan# 1829

Delta R.T. 0.06 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MS

Tot Ion:202 Resp: 3124389

Ion Ratio Lower Upper

202 100

200 22.2 17.4 26.2

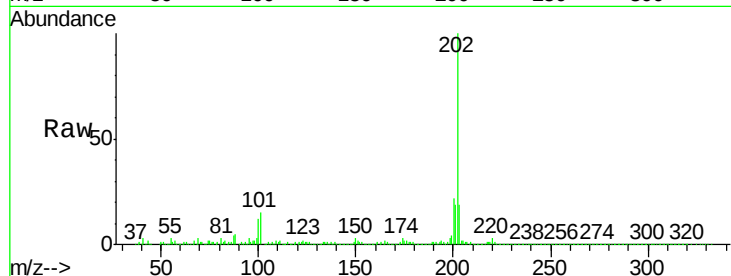
203 19.4 14.3 21.5

Manual Integrations

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Sohil

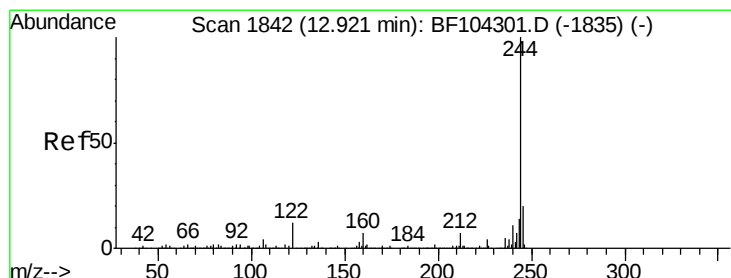
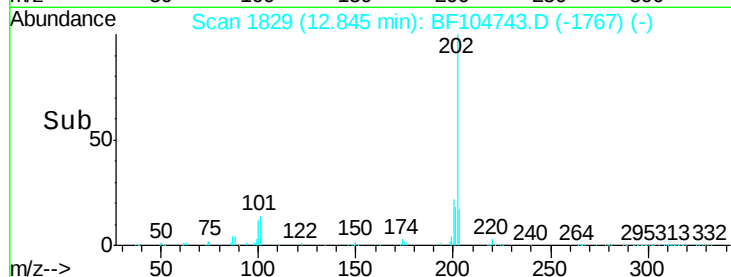
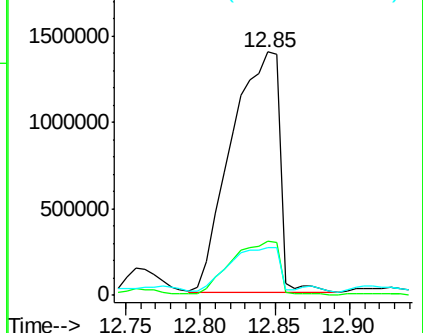
4/24/2018 3:49:15 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 162.613 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.03 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

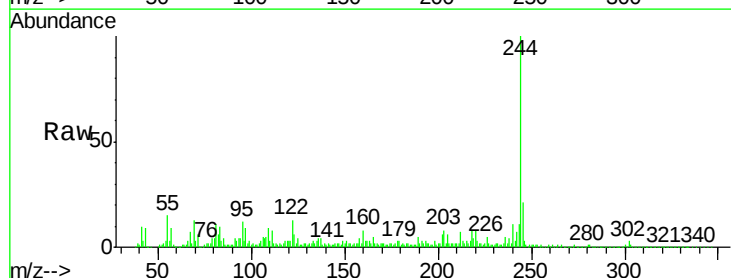
Tgt Ion:244 Resp: 598191

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

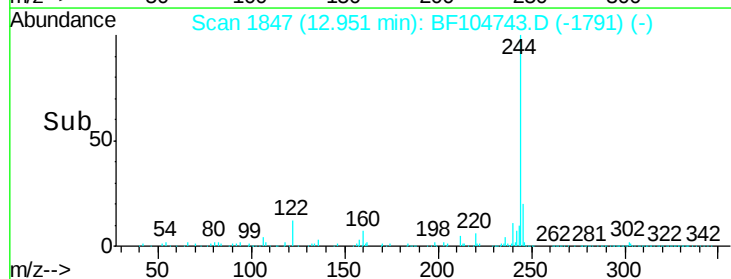
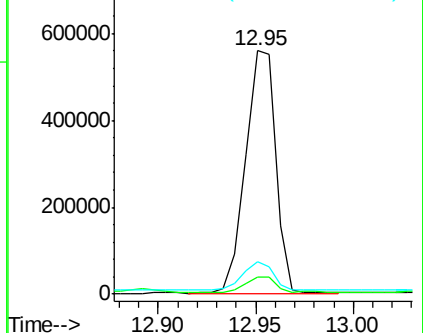
122 13.4 11.0 16.4

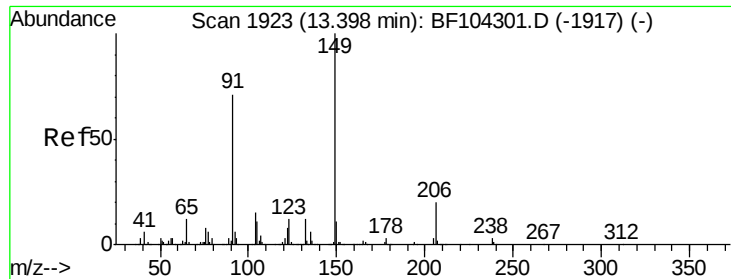


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79
Butylbenzylphthalate
Concen: 59.818 ng
RT: 13.43 min Scan# 1928
Delta R.T. 0.04 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

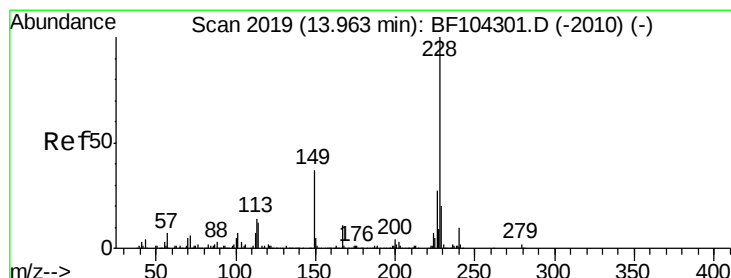
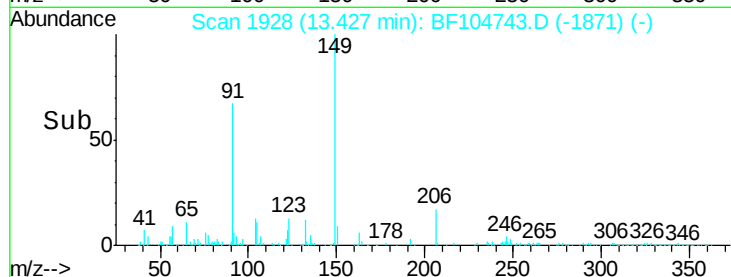
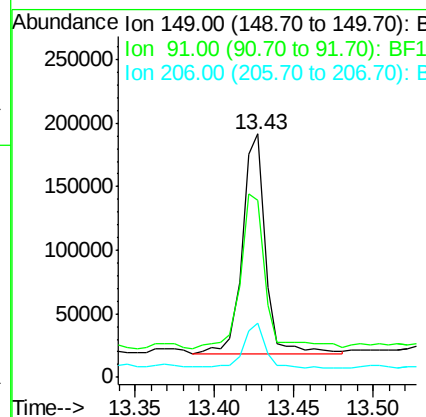
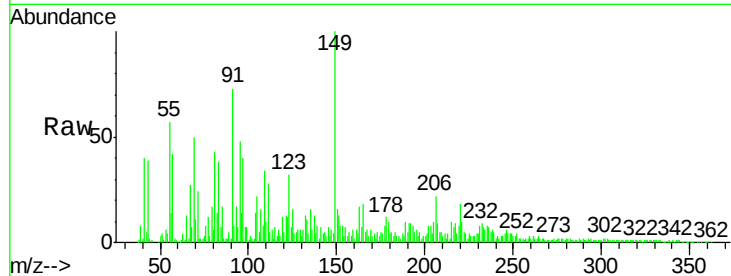
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
149	100		175187		
91	72.7	56.8	85.2		
206	22.2	14.1	21.1		

Manual Integrations
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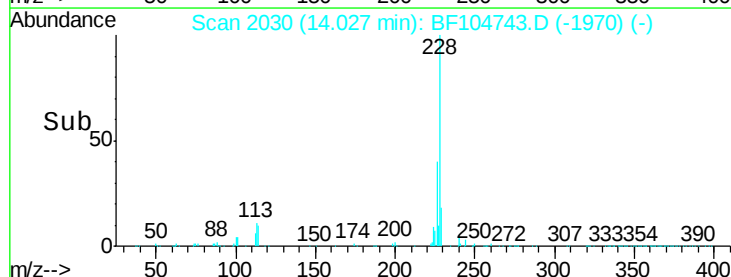
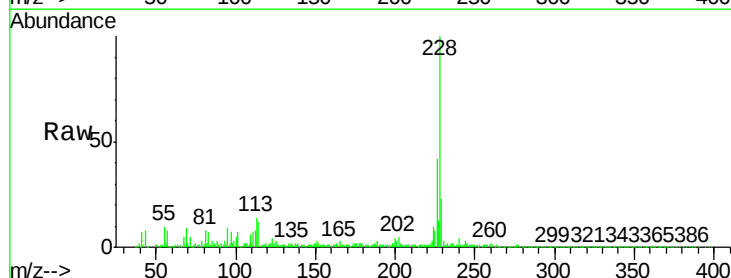
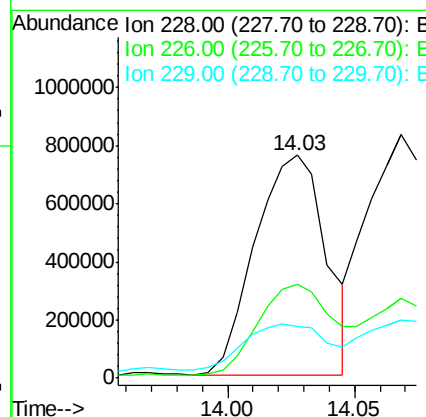
Sohil

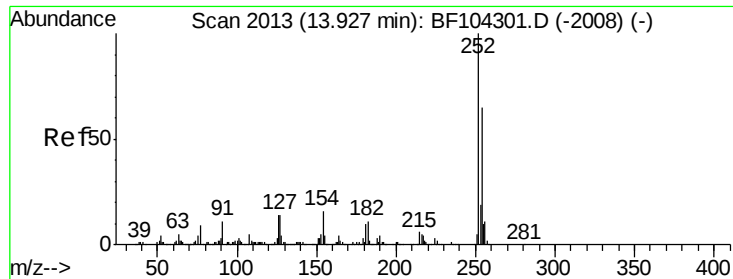
4/24/2018 3:49:15 PM



#80
Benzo(a)anthracene
Concen: 293.430 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.05 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		1470157		
226	42.3	22.6	33.8		
229	23.3	15.8	23.6		





#81
 3,3'-Dichlorobenzidine
 Concen: 9.149 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. 0.05 min
 Lab File: BF104743.D
 Acq: 24 Apr 2018 8:16

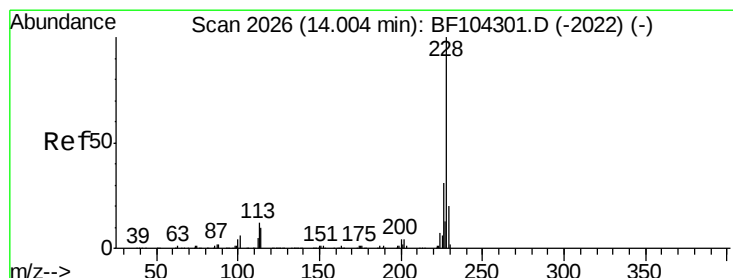
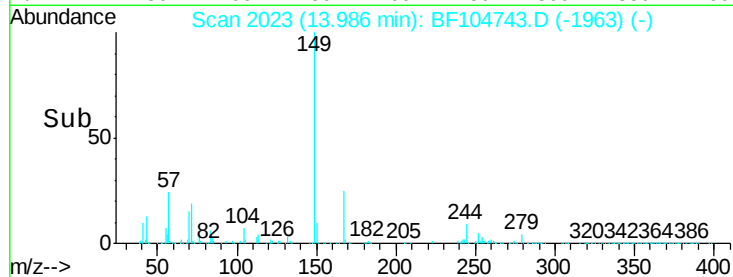
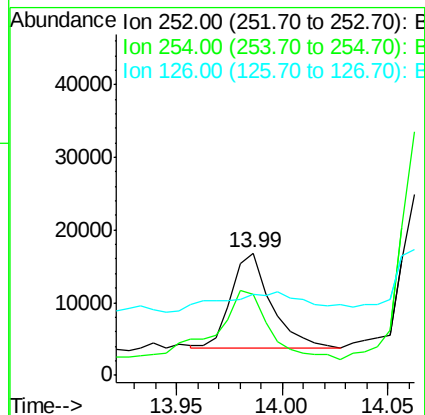
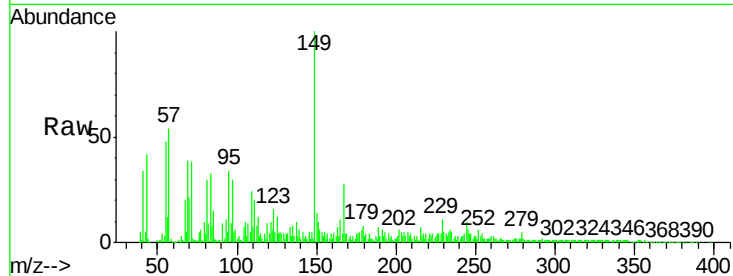
Instrument :
 BNA_F
 ClientSampleId :
 A2-SB01-BOT-4.5MS

Tot Ion:	252	Resp:	17091
Ion Ratio	Lower	Upper	
252	100		
254	66.1	50.4	75.6
126	66.6	11.3	16.9

Manual Integrations
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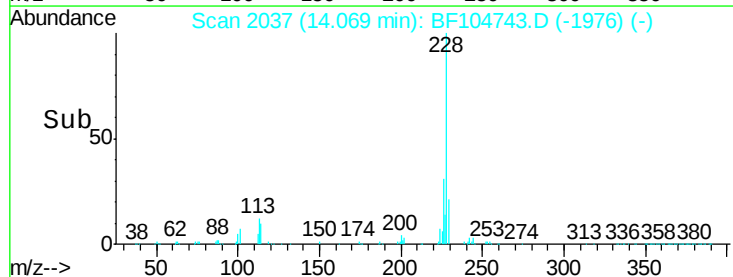
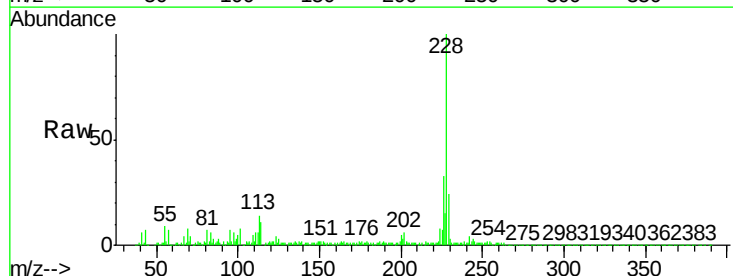
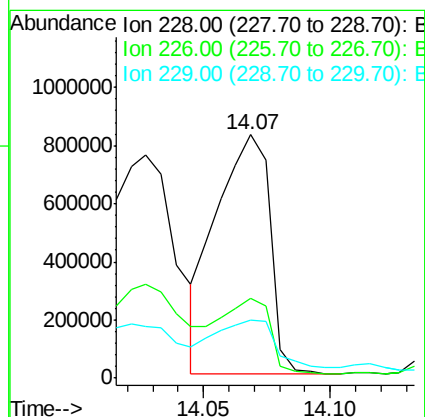
Sohil

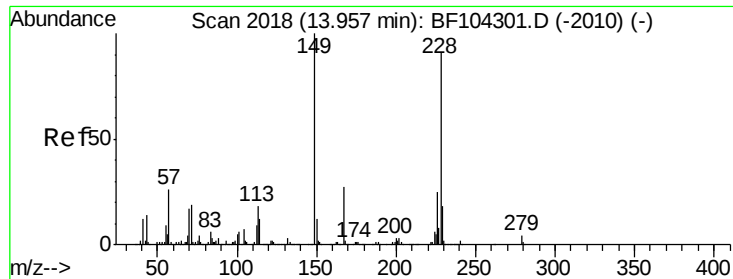
4/24/2018 3:49:15 PM



#82
 Chrysene
 Concen: 236.872 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. 0.06 min
 Lab File: BF104743.D
 Acq: 24 Apr 2018 8:16

Tgt Ion:	228	Resp:	1219013
Ion Ratio	Lower	Upper	
228	100		
226	32.7	25.0	37.6
229	23.8	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 59.788 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.04 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

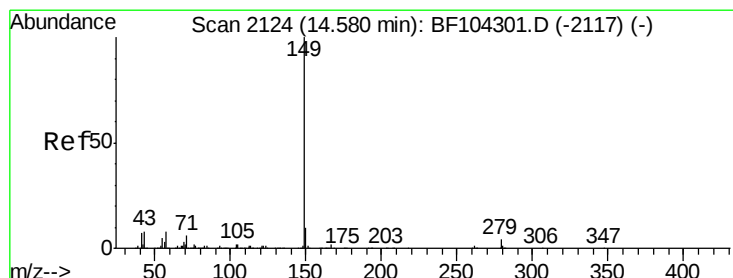
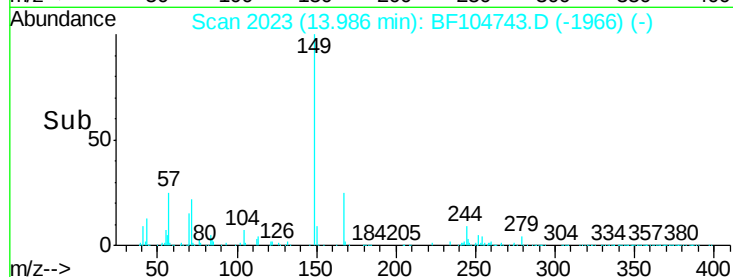
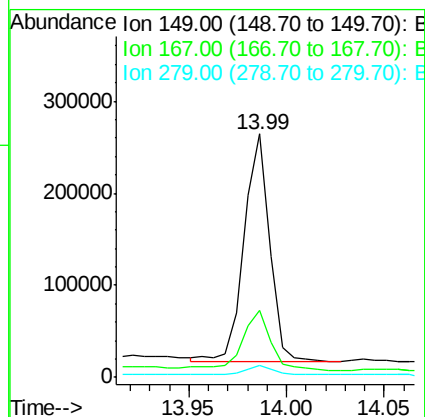
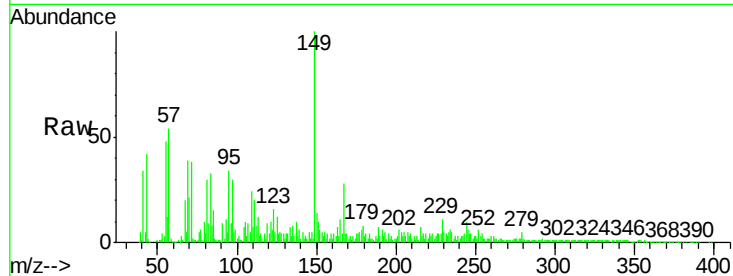
A2-SB01-BOT-4.5MS

Tot Ion:	149	Resp:	225220
Ion Ratio	Lower	Upper	
149	100		
167	27.6	21.3	31.9
279	5.0	3.0	4.4

Manual Integrations
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Sohil

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#84

Di-n-octyl phthalate

Concen: 50.931 ng

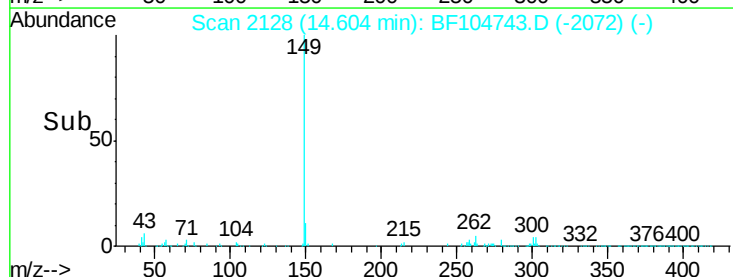
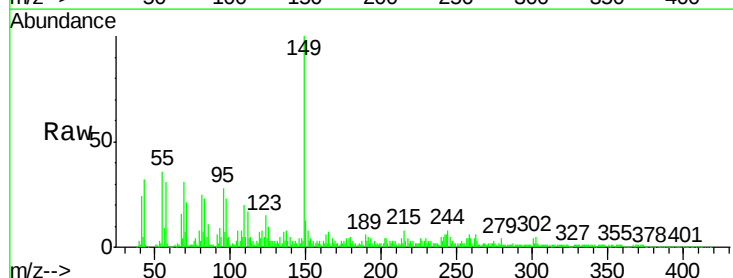
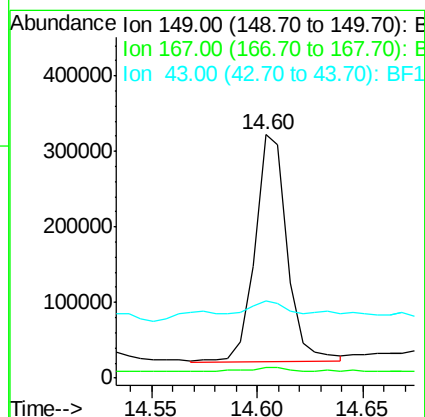
RT: 14.60 min Scan# 2128

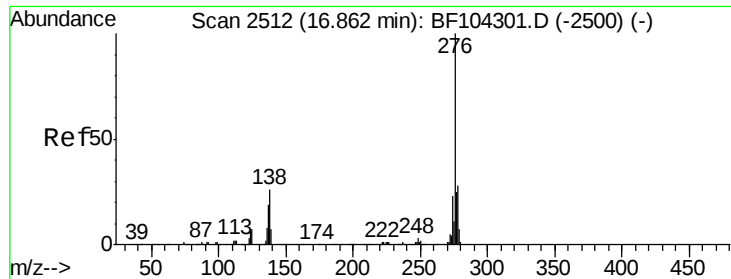
Delta R.T. 0.03 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Tgt Ion:	149	Resp:	320578
Ion Ratio	Lower	Upper	
149	100		
167	1.9	1.2	1.8
43	5.6	8.4	12.6





#85
Indeno(1,2,3-cd)pyrene
Concen: 290.729 ng
RT: 17.06 min Scan# 2545
Delta R.T. 0.15 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

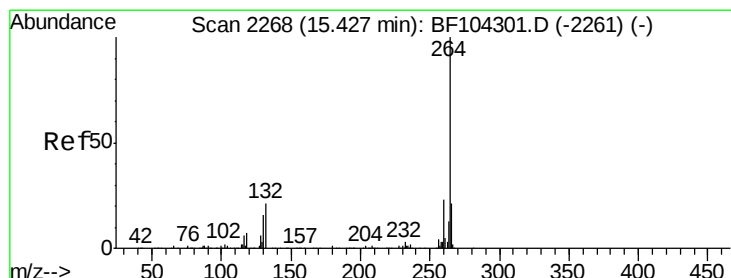
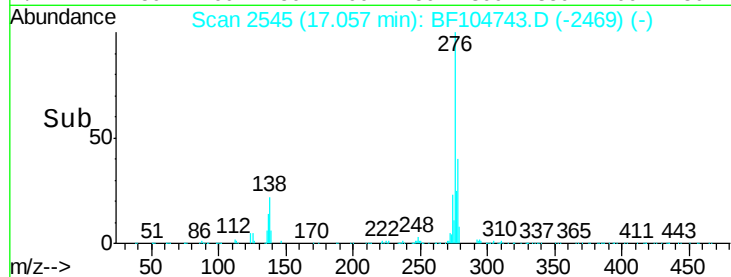
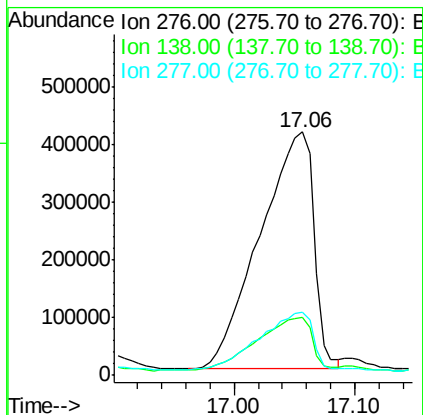
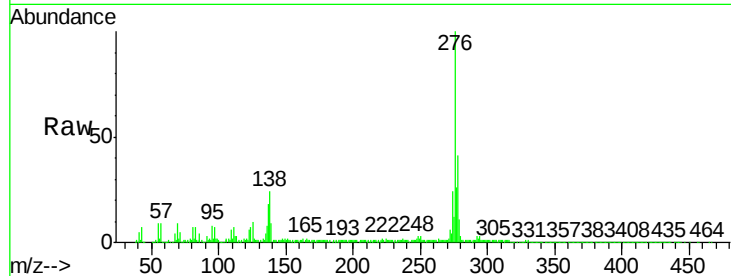
Instrument :
BNA_F
ClientSampleId :
A2-SB01-BOT-4.5MS

Tot Ion:276 Resp: 1270981
Ion Ratio Lower Upper
276 100
138 22.9 25.0 37.6#
277 24.4 20.1 30.1

Manual Integrations
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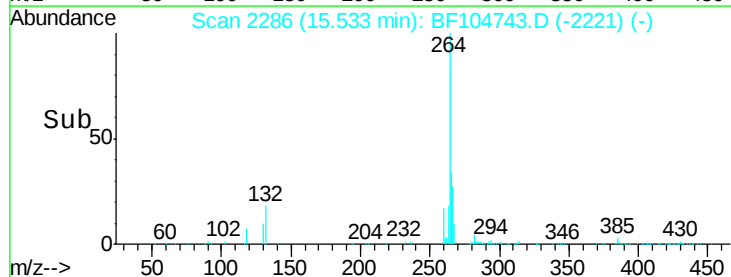
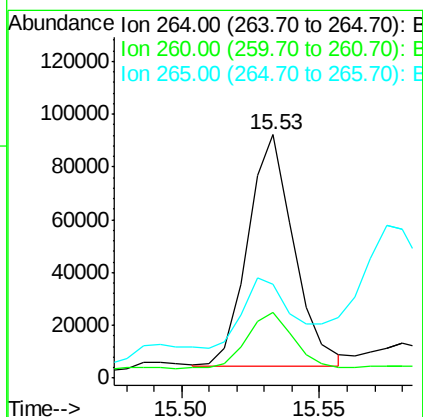
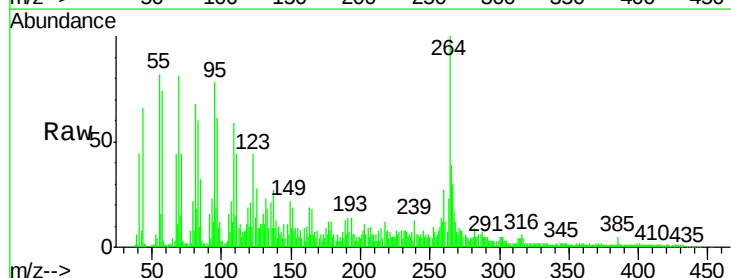
Sohil

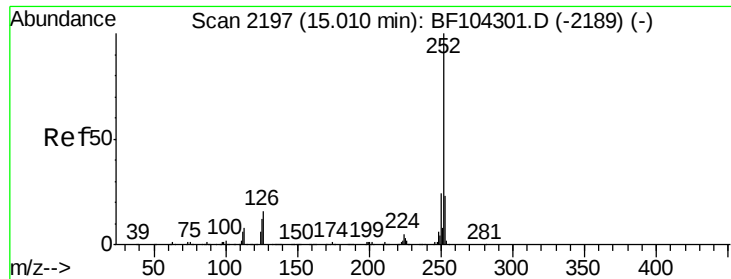
4/24/2018 3:49:15 PM



#86
Perylene-d12
Concen: 20.000 ng m
RT: 15.53 min Scan# 2286
Delta R.T. 0.08 min
Lab File: BF104743.D
Acq: 24 Apr 2018 8:16

Tgt Ion:264 Resp: 102270
Ion Ratio Lower Upper
264 100
260 27.3 19.2 28.8
265 38.6 17.5 26.3#





#87

Benzo(b)fluoranthene

Concen: 241.146 ng m

RT: 15.11 min Scan# 2214

Delta R.T. 0.08 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MS

Tot Ion:252 Resp: 1557607

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

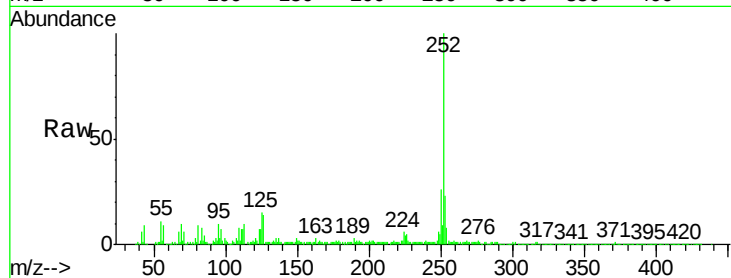
125 14.8 9.0 13.6#

Manual Integrations

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Sohil

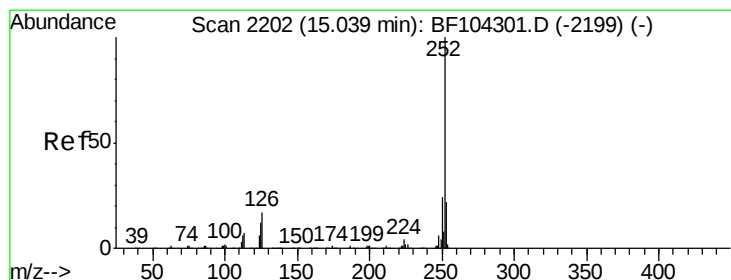
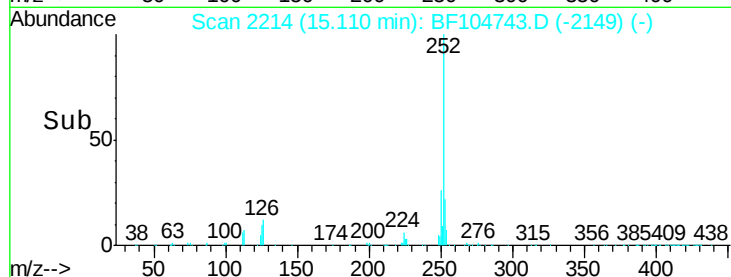
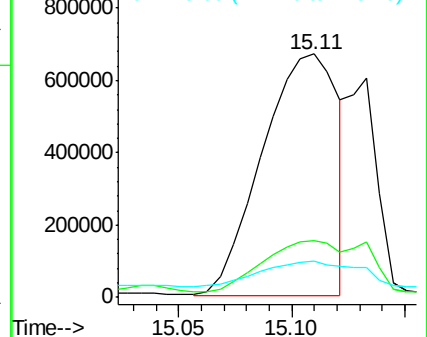
4/24/2018 3:49:15 PM



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 85.608 ng m

RT: 15.13 min Scan# 2218

Delta R.T. 0.08 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Tgt Ion:252 Resp: 522042

Ion Ratio Lower Upper

252 100

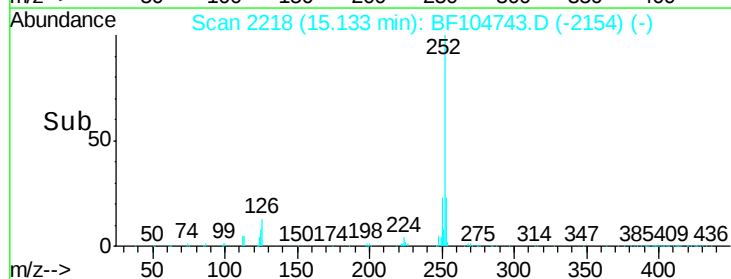
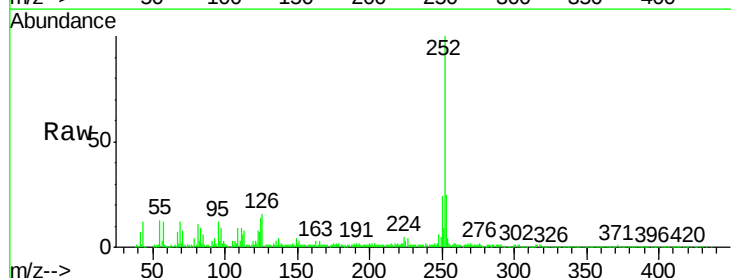
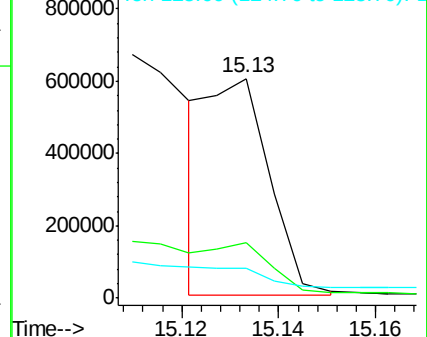
253 25.1 17.9 26.9

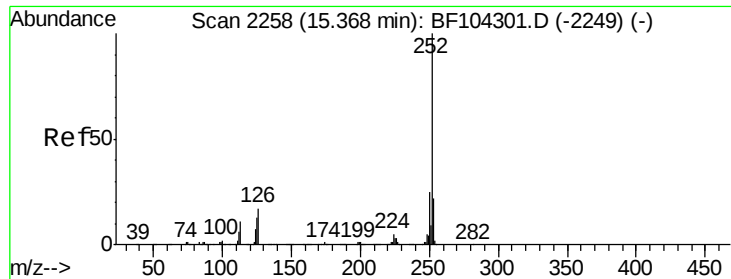
125 13.6 10.2 15.2

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 216.945 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.09 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MS

Tot Ion:252 Resp: 1253806

Ion Ratio Lower Upper

252 100

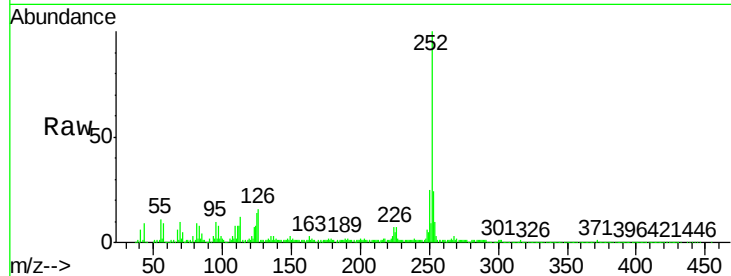
253 24.1 17.1 25.7

125 14.4 9.8 14.6

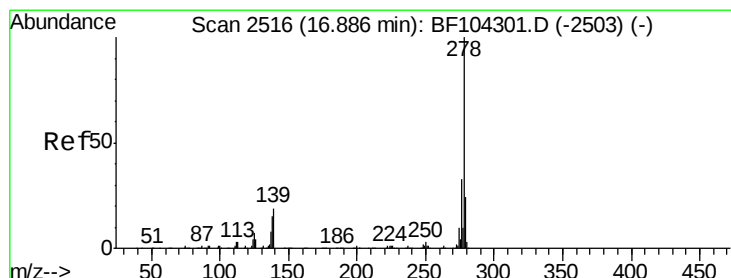
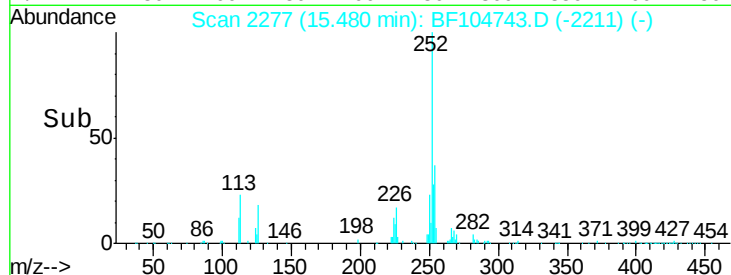
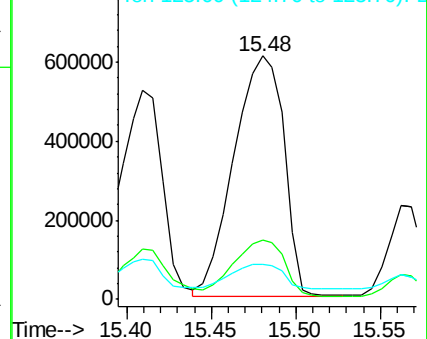
Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 87.491 ng m

RT: 17.05 min Scan# 2544

Delta R.T. 0.12 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

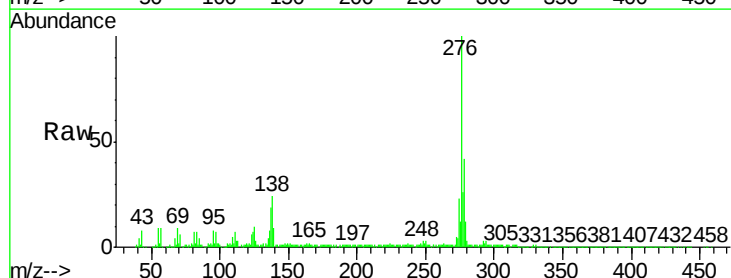
Tgt Ion:278 Resp: 415284

Ion Ratio Lower Upper

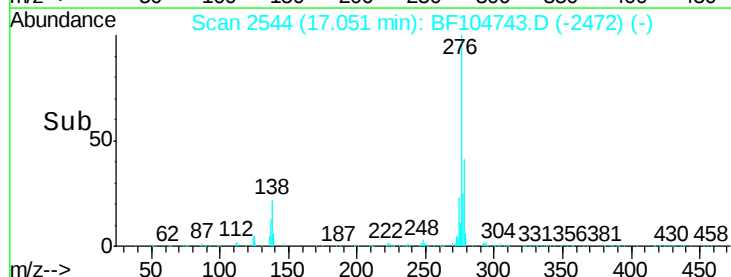
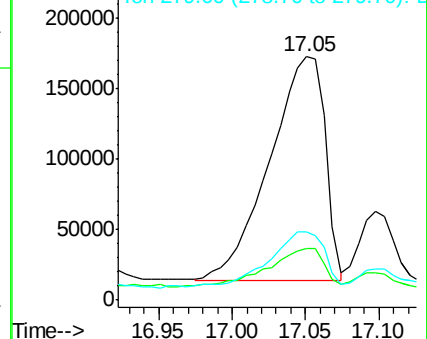
278 100

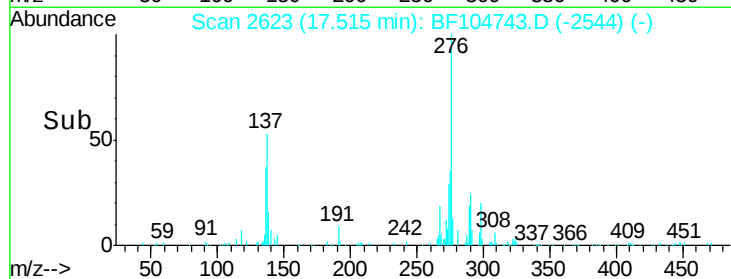
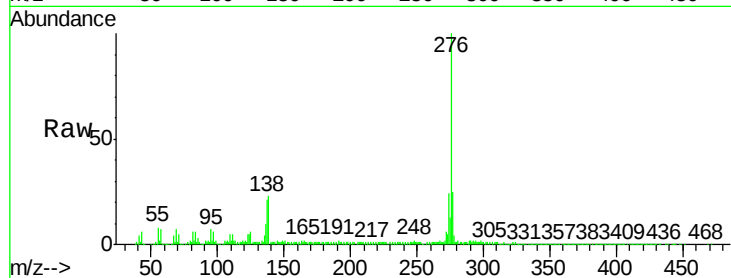
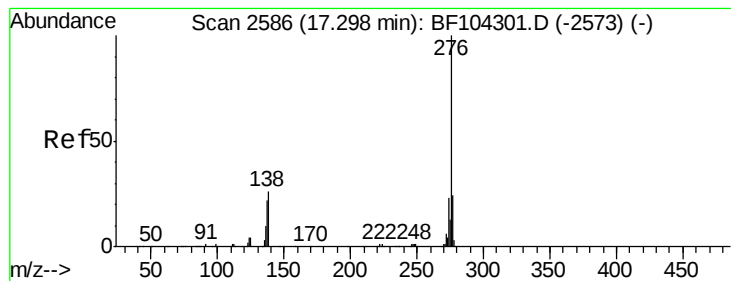
139 21.1 15.9 23.9

279 27.9 19.0 28.4



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





#91

Benzo(a,h,i)perylene

Concen: 307.515 ng

RT: 17.52 min Scan# 2623

Delta R.T. 0.16 min

Lab File: BF104743.D

Acq: 24 Apr 2018 8:16

Tot Ion: 276 Resp: 1414159

Ion Ratio Lower Upper

276 100

277 25.2 17.9 26.9

138 23.4 21.8 32.8

Instrument :

BNA_F

ClientSampleId :

A2-SB01-BOT-4.5MS

Manual Integrations

APPROVED

Sohil

4/24/2018 3:49:15 PM

