

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF100996.D
 Acq On : 29 Nov 2017 23:25
 Operator : SJ/JU
 Sample : I6610-19 MSD5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127MSD

Manual Integrations
 APPROVED

Quant Time: Nov 30 07:27:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	80141	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	297765	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	127504	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	205998	20.00	ng	0.00
75) Chrysene-d12	14.03	240	139313	20.00	ng	0.00
86) Perylene-d12	15.50	264	138079	20.00	ng	0.01

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System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	79882	15.98	ng	-0.01
7) Phenol-d6	6.48	99	95566	15.50	ng	-0.01
23) Nitrobenzene-d5	7.42	82	55965	12.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	22010	16.94	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	126062	15.05	ng	0.00
78) Terphenyl-d14	12.96	244	84338	13.91	ng	0.00

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Target Compounds

						Qvalue
2) 1,4-Dioxane	2.63	88	8340	3.423	ng	97
3) Pyridine	3.44	79	20760	3.123	ng	95
4) n-Nitrosodimethylamine	3.35	42	12354	3.828	ng	88
6) Aniline	6.52	93	20464	2.350	ng	95
8) 2-Chlorophenol	6.64	128	28970	5.477	ng	90
9) Benzaldehyde	6.40	77	13946	3.168	ng	93
10) Phenol	6.49	94	36813	5.688	ng	97
11) bis(2-Chloroethyl)ether	6.59	93	27305	5.023	ng	96
12) 1,3-Dichlorobenzene	6.79	146	32546	5.337	ng	95
13) 1,4-Dichlorobenzene	6.87	146	32860	5.324	ng	98
14) 1,2-Dichlorobenzene	7.02	146	32066	5.619	ng	94
15) Benzyl Alcohol	6.99	79	22532	4.683	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.12	45	43308	4.981	ng	100
17) 2-Methylphenol	7.10	107	23191	5.131	ng	97
18) Hexachloroethane	7.36	117	7991	3.927	ng	92
19) n-Nitroso-di-n-propylamine	7.26	70	20122	4.706	ng	93
20) 3+4-Methylphenols	7.26	107	31427	5.495	ng	# 55
22) Acetophenone	7.26	105	39732	5.472	ng	# 91
24) Nitrobenzene	7.43	77	26732	5.767	ng	94
25) Isophorone	7.67	82	50730	5.360	ng	98
26) 2-Nitrophenol	7.75	139	12300	10.404	ng	96
27) 2,4-Dimethylphenol	7.79	122	24247	5.715	ng	95
28) bis(2-Chloroethoxy)methane	7.88	93	32189	5.199	ng	97
29) 2,4-Dichlorophenol	8.00	162	23885	5.897	ng	94
30) 1,2,4-Trichlorobenzene	8.07	180	26393	6.024	ng	97
31) Naphthalene	8.16	128	102830	7.170	ng	99
32) Benzoic acid	7.88	122	445m	9.481	ng	
33) 4-Chloroaniline	8.21	127	17816	2.984	ng	94
34) Hexachlorobutadiene	8.27	225	15715	6.033	ng	95
35) Caprolactam	8.55	113	6297	4.530	ng	93
36) 4-Chloro-3-methylphenol	8.69	107	21867	5.027	ng	94
37) 2-Methylnaphthalene	8.85	142	64706	6.796	ng	96
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	25372	6.000	ng	# 96
42) 2,4,6-Trichlorophenol	9.13	196	16383	6.113	ng	98

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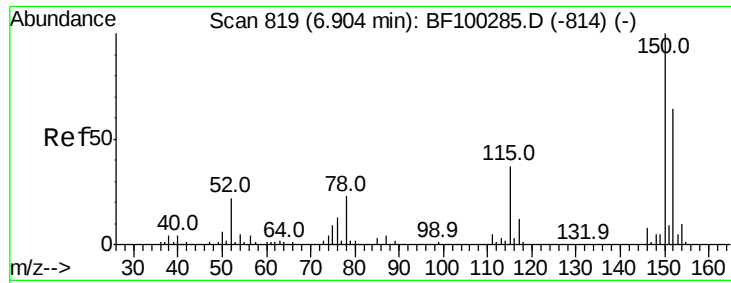
Manual Integrations
 APPROVED

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) 2,4,5-Trichlorophenol	9.17	196	16387	5.901	nq	# 93
45) 1,1'-Biphenyl	9.31	154	68553	6.216	nq	96
46) 2-Chloronaphthalene	9.34	162	49711	6.214	nq	93
47) 2-Nitroaniline	9.43	65	12652	7.826	nq	95
48) Acenaphthylene	9.75	152	121652	9.176	nq	100
49) Dimethylphthalate	9.60	163	69147	7.103	nq	99
50) 2,6-Dinitrotoluene	9.67	165	10131	5.257	nq	88
51) Acenaphthene	9.93	154	77700	9.636	nq	99
52) 3-Nitroaniline	9.85	138	10707	4.705	nq	89
53) 2,4-Dinitrophenol	9.96	184	1242m	9.837	nq	
54) Dibenzofuran	10.10	168	88495	7.830	nq	96
55) 4-Nitrophenol	10.01	139	13327	7.213	nq	88
56) 2,4-Dinitrotoluene	10.08	165	12381	5.093	nq	# 86
57) Fluorene	10.44	166	94412	11.404	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.22	232	12144	5.336	nq	# 86
59) Diethylphthalate	10.30	149	56319	5.781	nq	97
60) 4-Chlorophenyl-phenylether	10.43	204	26007	6.403	nq	92
61) 4-Nitroaniline	10.45	138	11253	5.215	nq	93
62) Azobenzene	10.59	77	43716	4.764	nq	90
64) 4,6-Dinitro-2-methylphenol	10.49	198	1638	9.864	nq	90
65) n-Nitrosodiphenylamine	10.55	169	48993	6.840	nq	97
66) 4-Bromophenyl-phenylether	10.92	248	15002	6.794	nq	# 82
67) Hexachlorobenzene	10.99	284	13765	5.960	nq	# 88
68) Atrazine	11.07	200	13004	5.998	nq	93
69) Pentachlorophenol	11.19	266	10525	6.355	nq	97
70) Phenanthrene	11.41	178	688324	63.463	nq	99
71) Anthracene	11.46	178	257372	23.389	nq	98
72) Carbazole	11.61	167	86931	8.562	nq	97
73) Di-n-butylphthalate	11.93	149	77063	6.486	nq	98
74) Fluoranthene	12.61	202	1074399	93.468	nq	95
77) Pyrene	12.84	202	975231	98.203	nq	99
79) Butylbenzylphthalate	13.43	149	32333	7.984	nq	97
80) Benzo(a)anthracene	14.02	228	571930	68.173	nq	99
81) 3,3'-Dichlorobenzidine	13.97	252	14777	4.916	nq	99
82) Chrysene	14.06	228	471989	58.098	nq	97
83) Bis(2-ethylhexyl)phthalate	13.99	149	37319	7.006	nq	99
84) Di-n-octyl phthalate	14.60	149	70922	7.750	nq	# 99
85) Indeno(1,2,3-cd)pyrene	17.00	276	268484	40.858	nq	# 89
87) Benzo(b)fluoranthene	15.08	252	539928m	66.002	nq	
88) Benzo(k)fluoranthene	15.10	252	248204m	32.112	nq	
89) Benzo(a)pyrene	15.45	252	417749	57.603	nq	97
90) Dibenzo(a,h)anthracene	17.00	278	92519m	15.599	nq	
91) Benzo(g,h,i)perylene	17.45	276	237501	40.908	nq	# 89

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



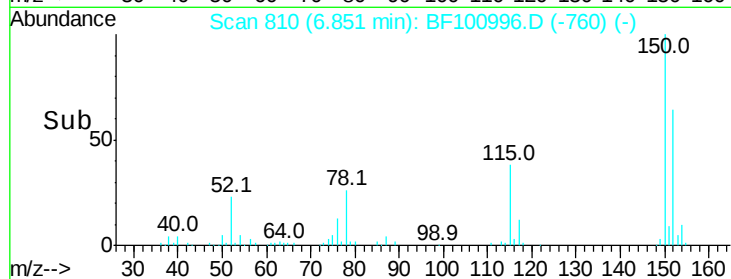
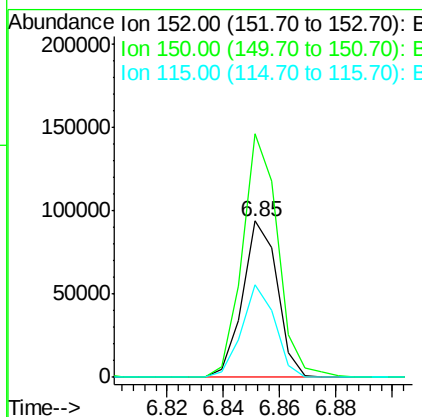
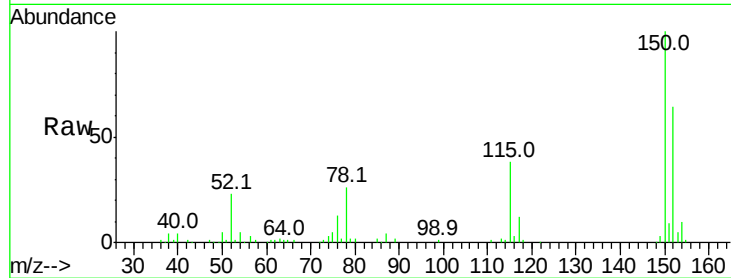
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

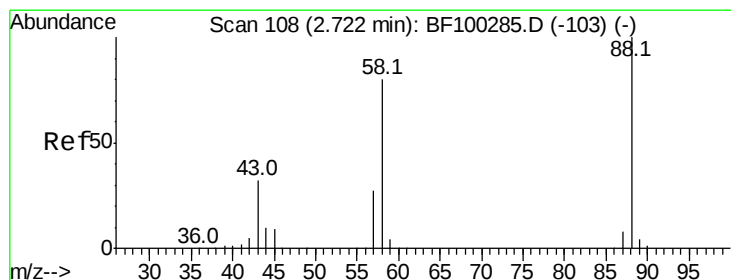
Tot Ion	Ratio	Lower	Upper
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150	155.9	124.6	186.8
115	59.3	50.1	75.1

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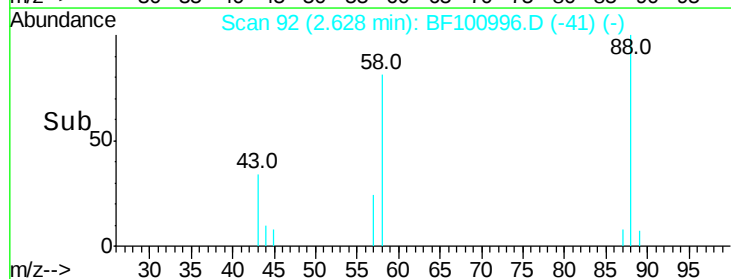
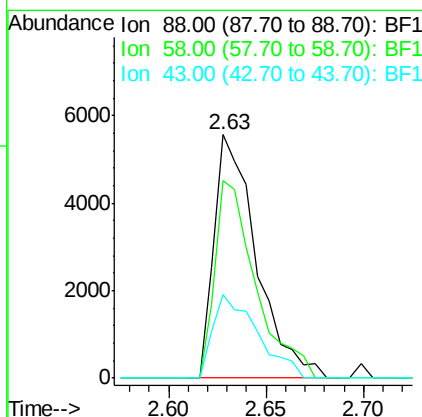
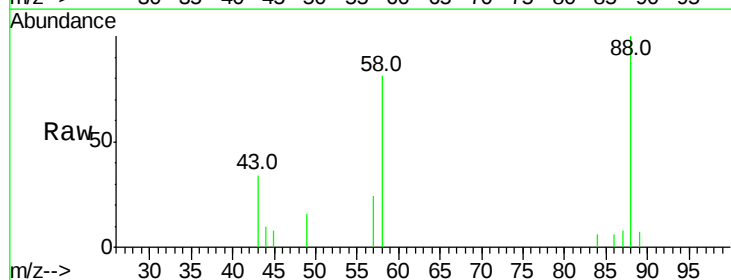
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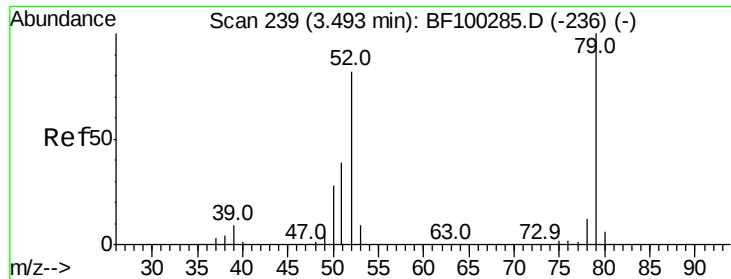


#2

1,4-Dioxane
Concen: 3.423 ng
RT: 2.63 min Scan# 92
Delta R.T. -0.00 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	78.3	62.6	93.8
43	36.0	24.6	37.0



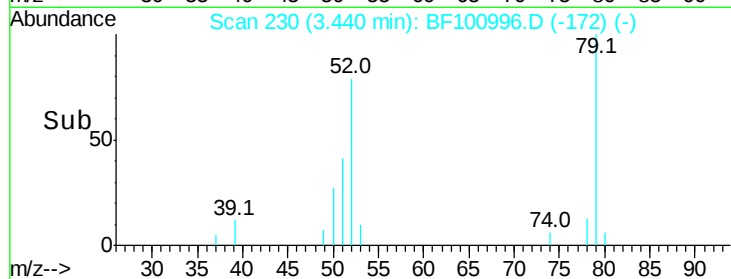
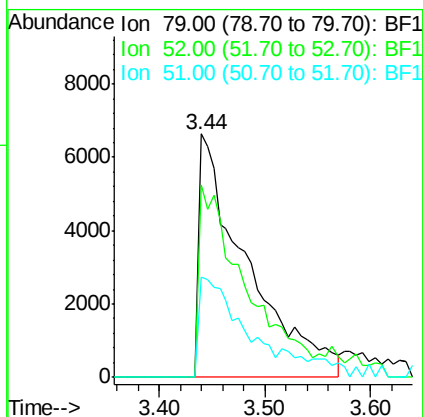
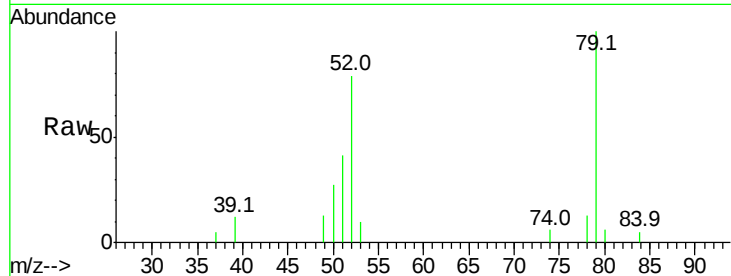


#3
 Pvrindine
 Concen: 3.123 ng
 RT: 3.44 min Scan# 230
 Delta R.T. 0.04 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Instrument :
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 ClientSampleId :
 SB-12(0-2)-20171127MSD

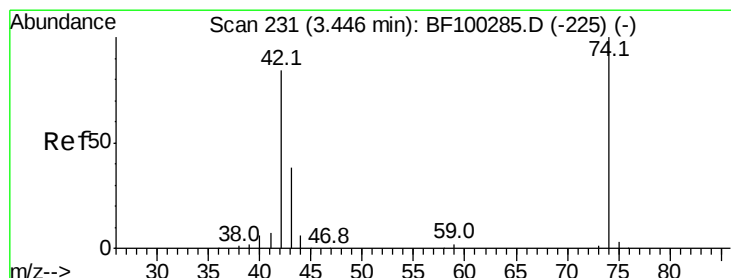
Tot Ion	Ratio	Lower	Upper
79	100		
52	78.9	59.8	89.6
51	41.2	29.8	44.8

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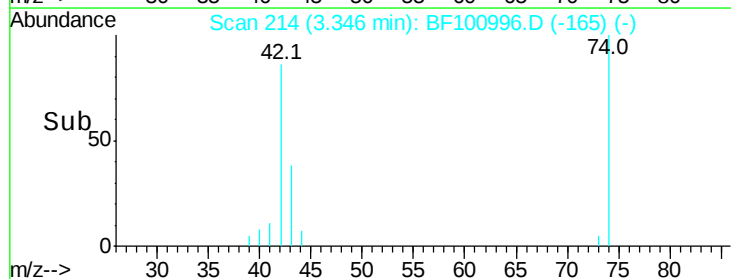
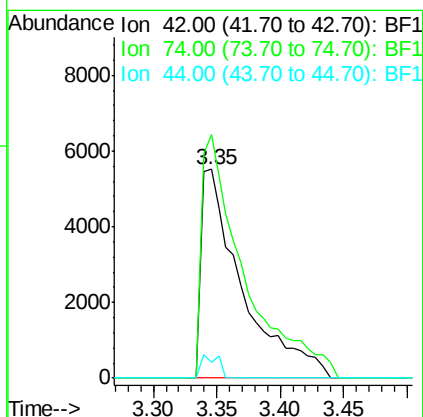
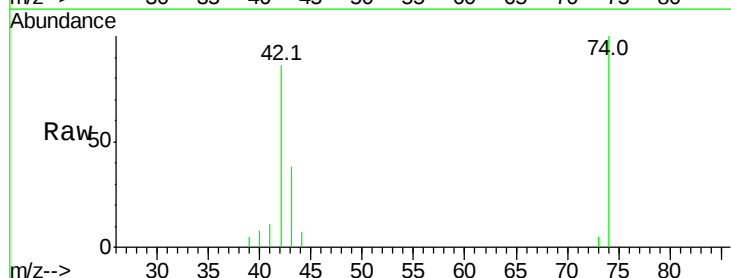
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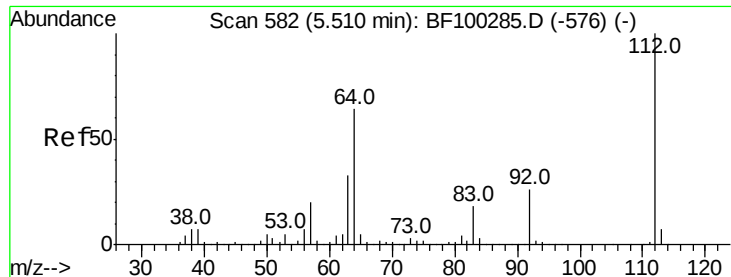
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#4
 n-Nitrosodimethylamine
 Concen: 3.828 ng
 RT: 3.35 min Scan# 214
 Delta R.T. -0.01 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
42	100		
74	116.6	104.9	157.3
44	7.7	6.9	10.3





#5

2-Fluorophenol

Concen: 15.978 ng

RT: 5.46 min Scan# 574

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

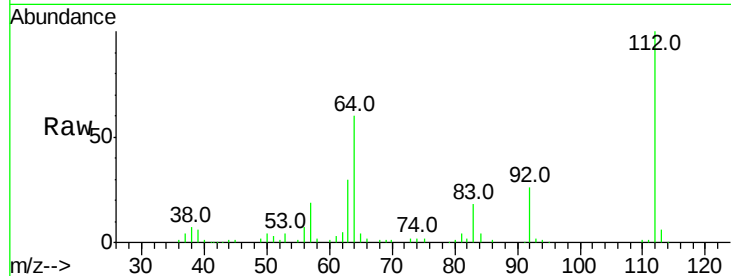
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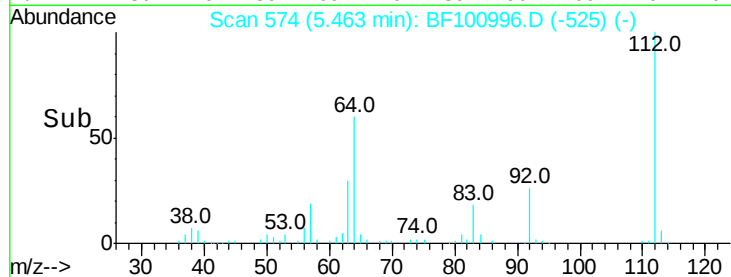
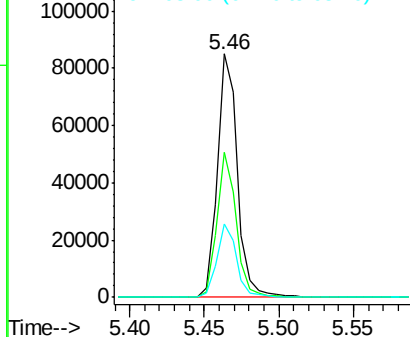
SB-12(0-2)-20171127MSD

Tot Ion:	112	Resp:	79882
Ion Ratio	Lower	Upper	
112	100		
64	59.7	47.9	71.9
63	30.2	23.7	35.5

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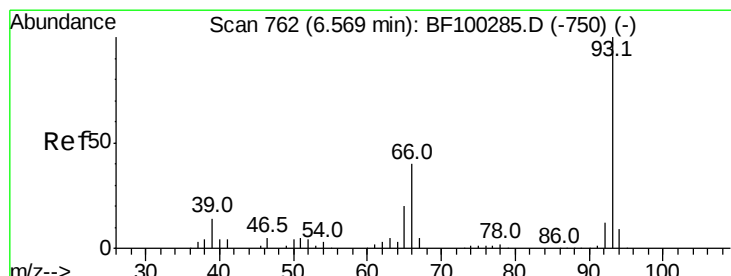


Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



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#6

Aniline

Concen: 2.350 ng

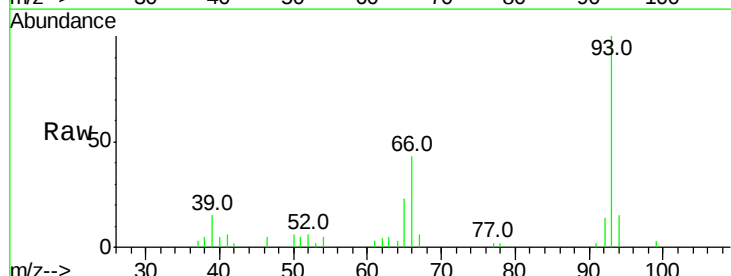
RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

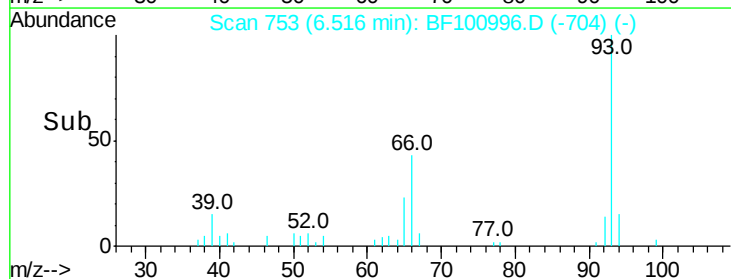
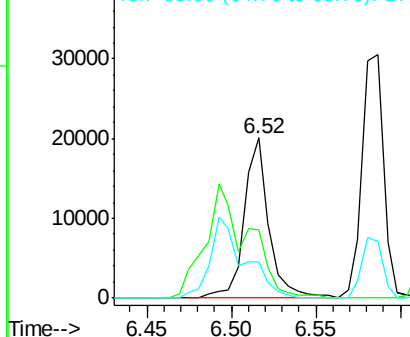
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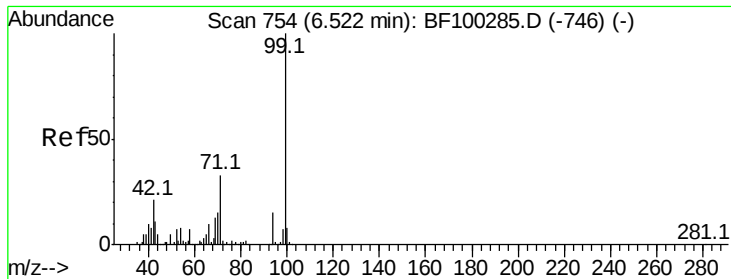
Acq: 29 Nov 2017 23:25

Tgt Ion:	93	Resp:	20464
Ion Ratio	Lower	Upper	
93	100		
66	42.9	32.2	48.2
65	22.9	16.4	24.6



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 15.501 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

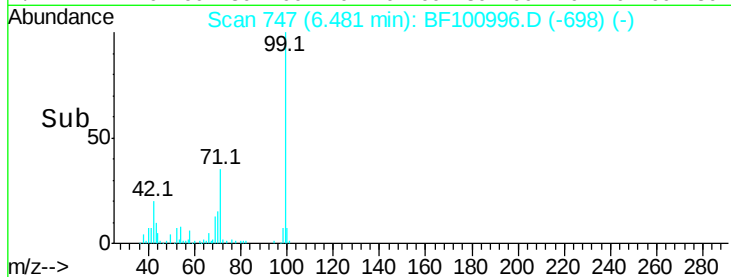
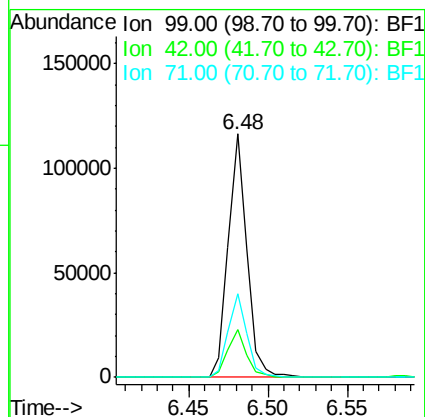
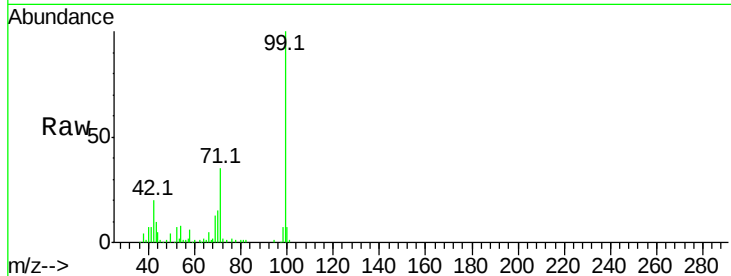
BNA_F

ClientSampleId :

SB-12(0-2)-20171127MSD

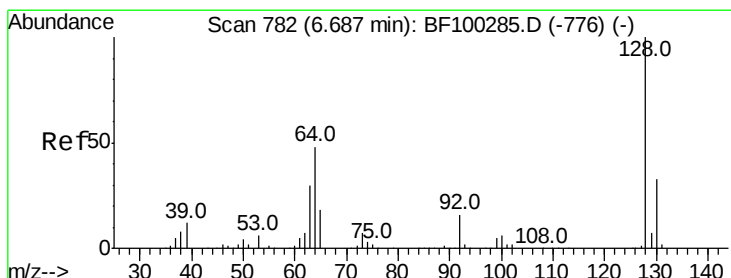
Tot Ion:	99	Resp:	95566
Ion Ratio	Lower	Upper	
99	100		
42	19.5	14.5	21.7
71	34.5	25.4	38.0

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#8

2-Chlorophenol

Concen: 5.477 ng

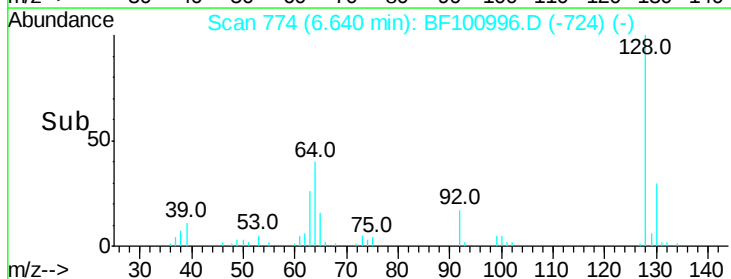
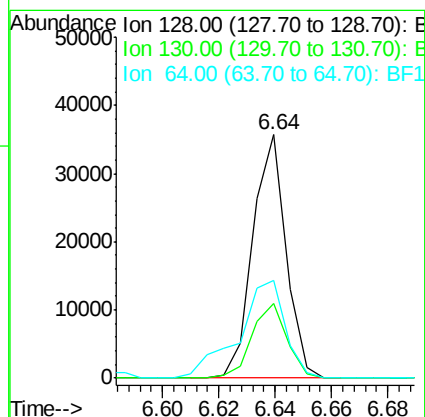
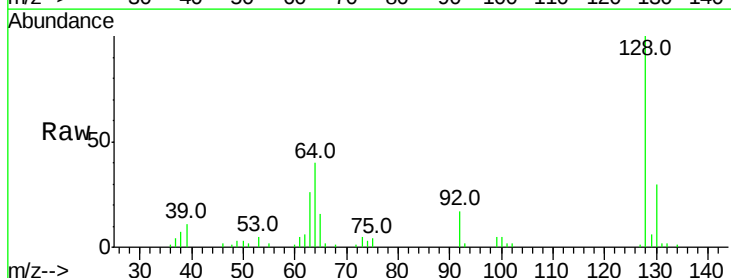
RT: 6.64 min Scan# 774

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Tgt Ion:	128	Resp:	28970
Ion Ratio	Lower	Upper	
128	100		
130	30.4	13.0	53.0
64	40.4	29.4	69.4



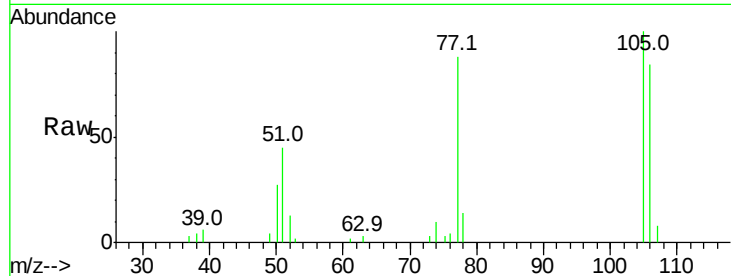


#9
Benzaldehyde
Concen: 3.168 ng
RT: 6.40 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

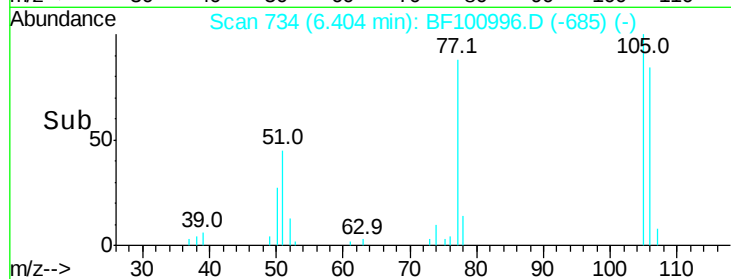
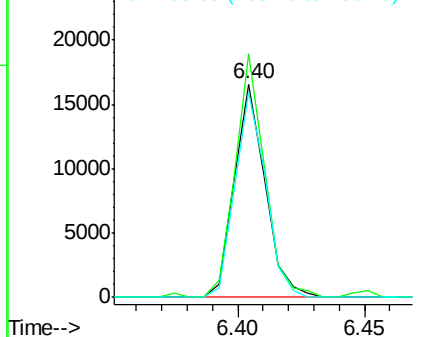
Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

Tot Ion: 77 Resp: 13946
Ion Ratio Lower Upper
77 100
105 114.0 81.1 121.1
106 96.1 74.5 114.5

Manual Integrations
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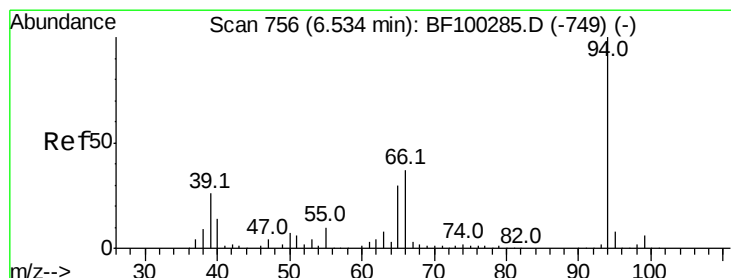


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1



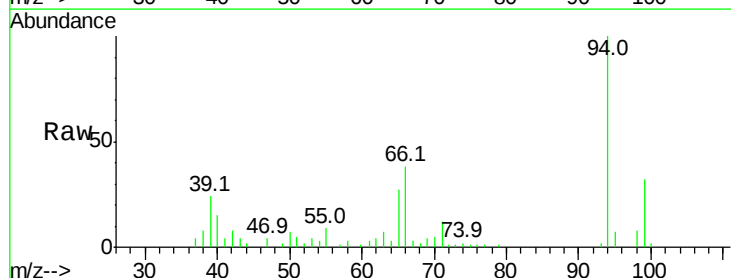
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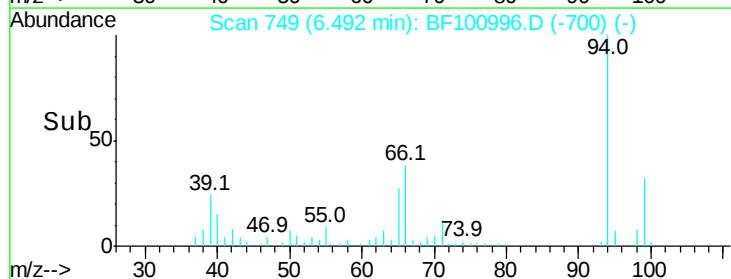
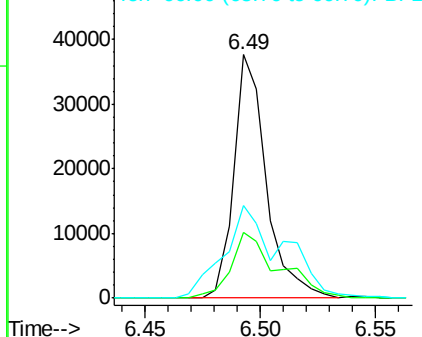


#10
Phenol
Concen: 5.688 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion: 94 Resp: 36813
Ion Ratio Lower Upper
94 100
65 27.0 7.9 47.9
66 38.2 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





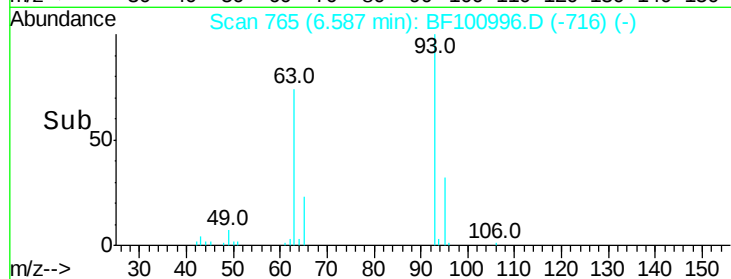
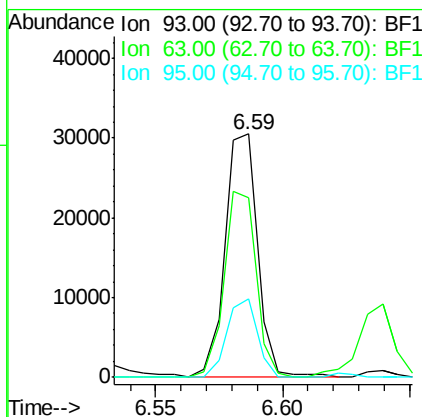
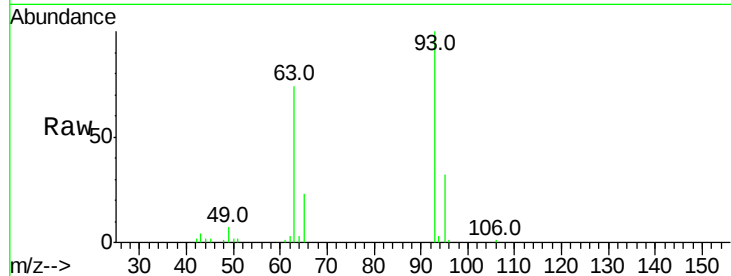
#11

bis(2-Chloroethyl)ether
Concen: 5.023 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

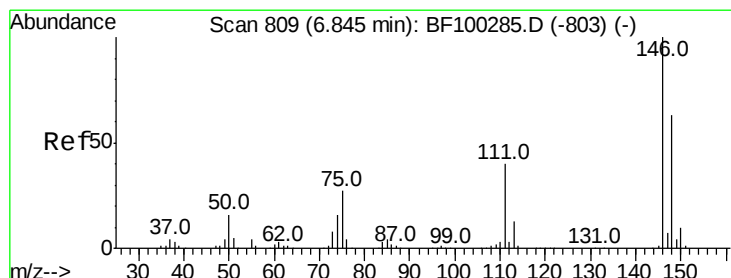
Tot Ion:	93	Resp:	27305
Ion Ratio	Lower	Upper	
93	100		
63	74.0	58.6	98.6
95	32.4	11.8	51.8

Manual Integrations
APPROVED



Sohil

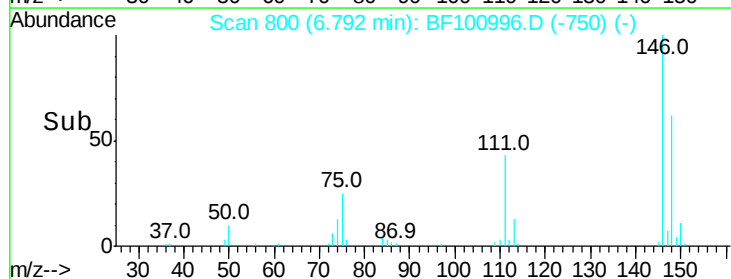
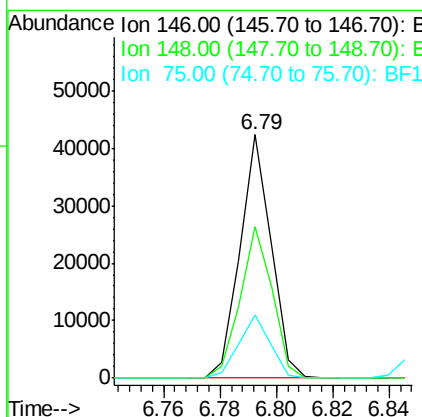
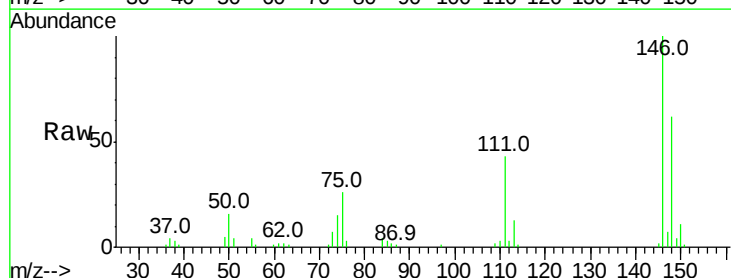
11/30/2017 4:30:19 PM

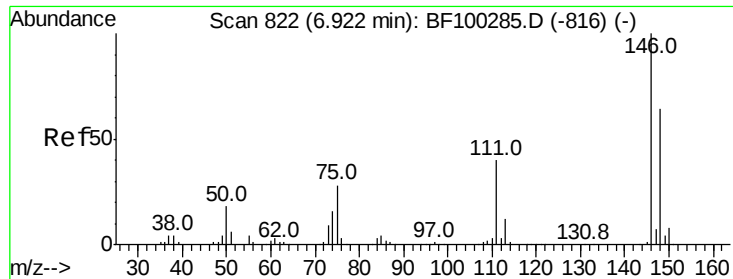


#12

1,3-Dichlorobenzene
Concen: 5.337 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion:	146	Resp:	32546
Ion Ratio	Lower	Upper	
146	100		
148	62.3	51.8	77.8
75	25.9	24.2	36.4





#13

1,4-Dichlorobenzene

Concen: 5.324 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

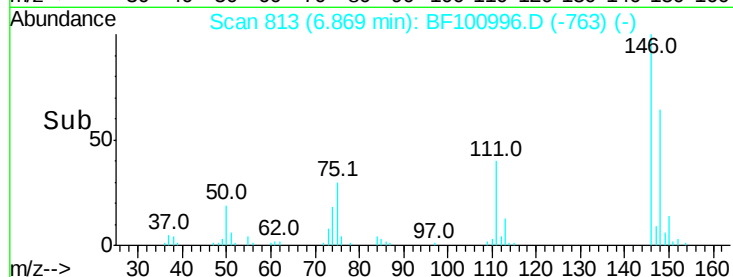
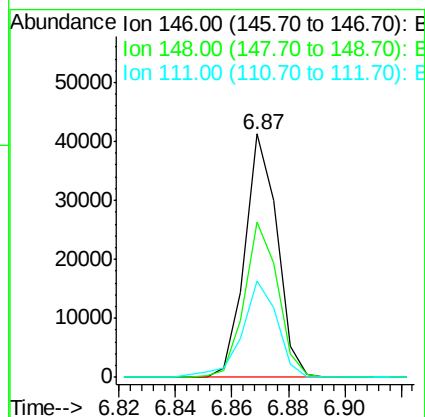
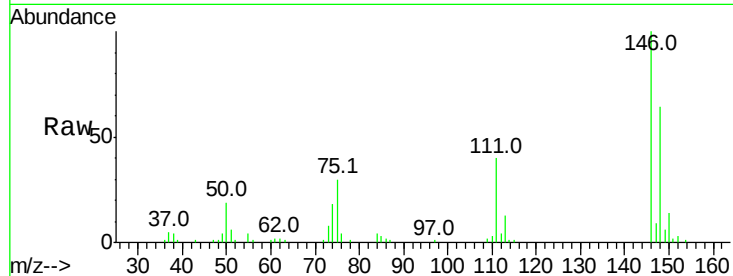
BNA_F

ClientSampleId :

SB-12(0-2)-20171127MSD

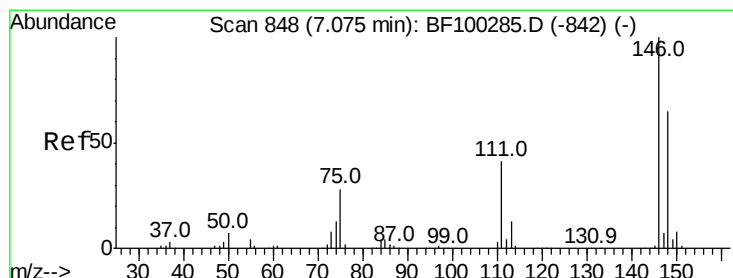
Tot Ion:	146	Resp:	32860
Ion Ratio	Lower	Upper	
146	100		
148	63.8	50.8	76.2
111	39.6	34.2	51.2

Manual Integrations
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Sohil

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#14

1,2-Dichlorobenzene

Concen: 5.619 ng

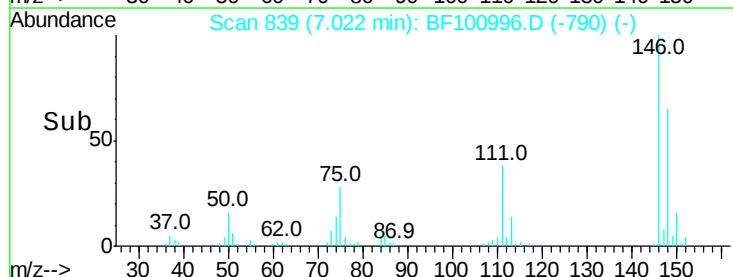
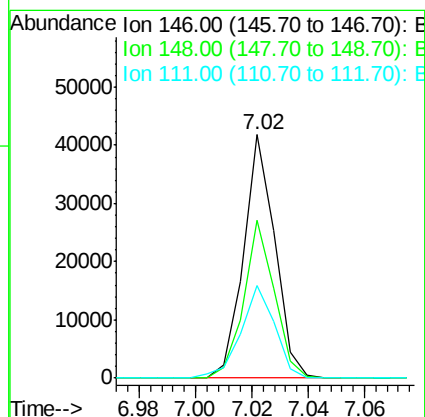
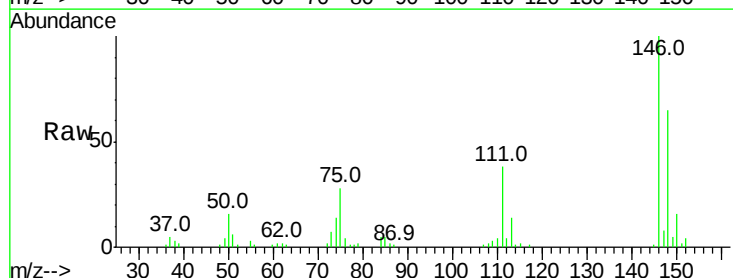
RT: 7.02 min Scan# 839

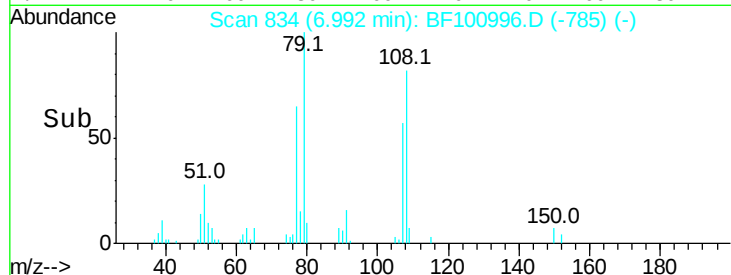
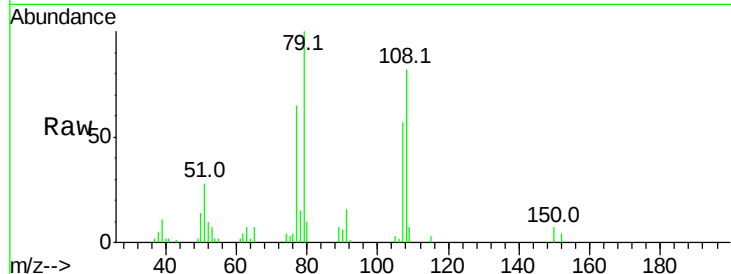
Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Tgt Ion:	146	Resp:	32066
Ion Ratio	Lower	Upper	
146	100		
148	64.8	50.6	75.8
111	38.0	36.0	54.0



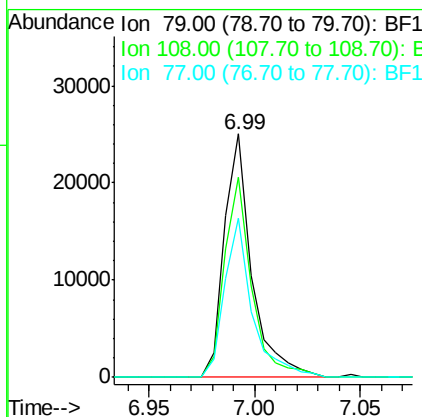


#15
Benzyl Alcohol
Concen: 4.683 ng
RT: 6.99 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tot Ion:	79	Resp:	22532
Ion Ratio	Lower	Upper	
79	100		
108	82.1	65.1	97.7
77	65.4	50.6	75.8

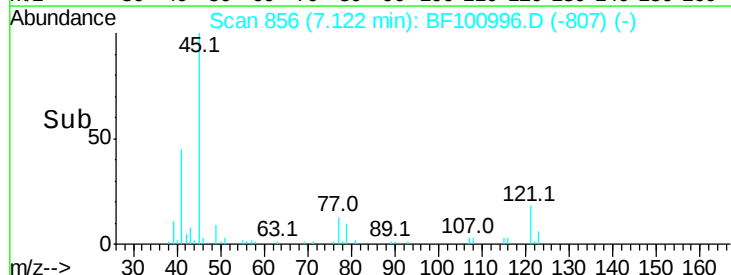
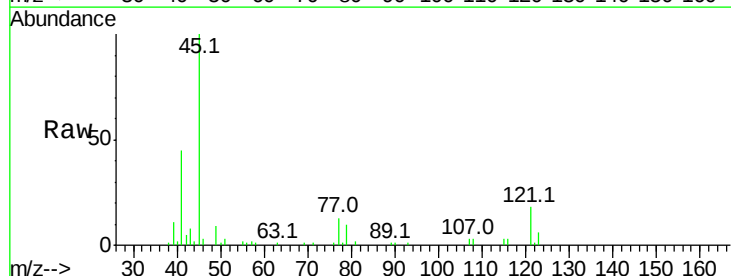
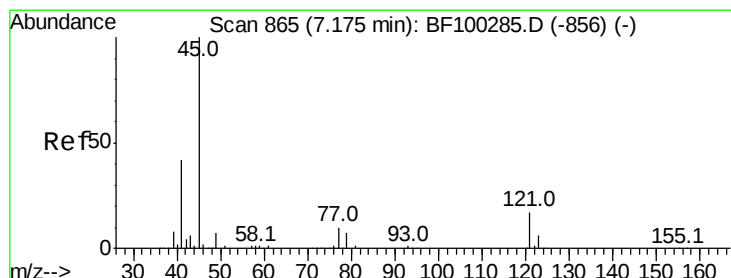
Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

Manual Integrations
APPROVED



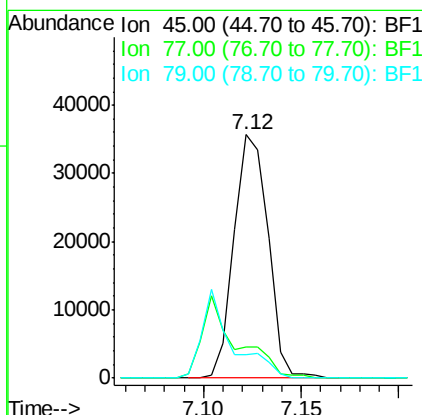
Sohil

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#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.981 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion:	45	Resp:	43308
Ion Ratio	Lower	Upper	
45	100		
77	12.8	0.0	32.9
79	9.7	0.0	29.6



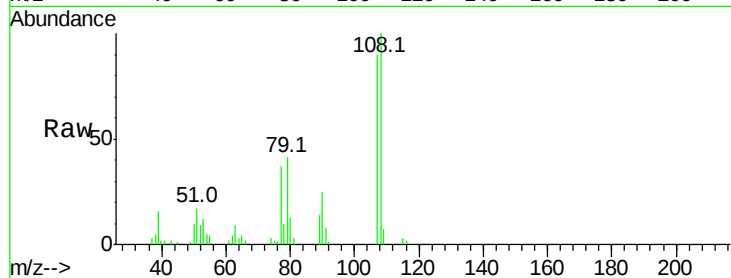


#17
2-Methylphenol
Concen: 5.131 ng
RT: 7.10 min Scan# 853
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

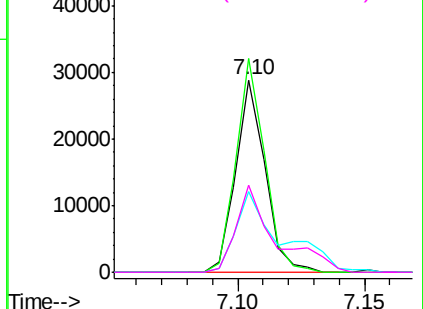
Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

Tot Ion:	107	Resp:	23191
Ion	Ratio	Lower	Upper
107	100		
108	110.9	91.7	137.5
77	41.6	33.8	50.8
79	45.1	33.8	50.8

Manual Integrations
APPROVED

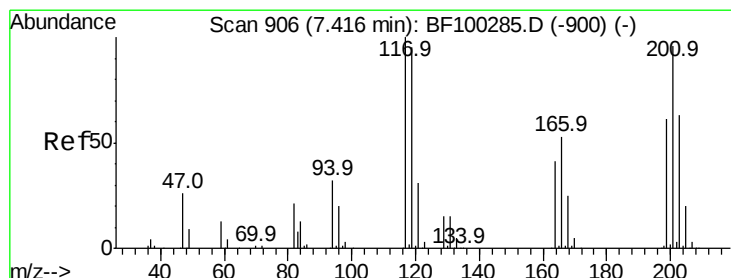
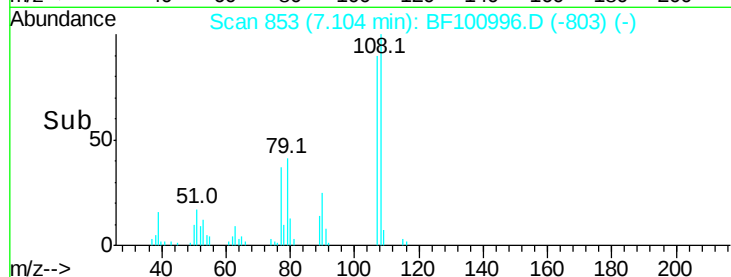


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1



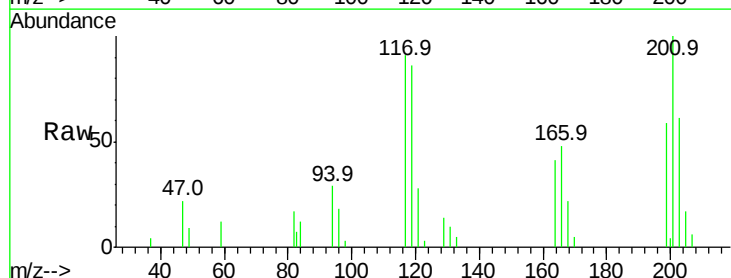
Sohil

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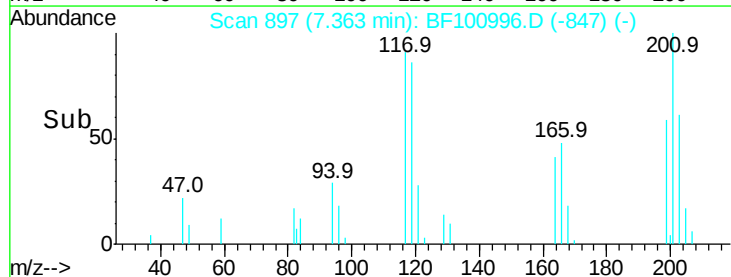
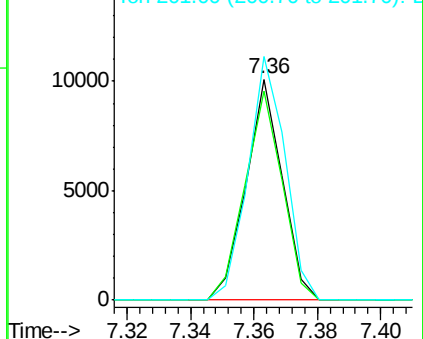


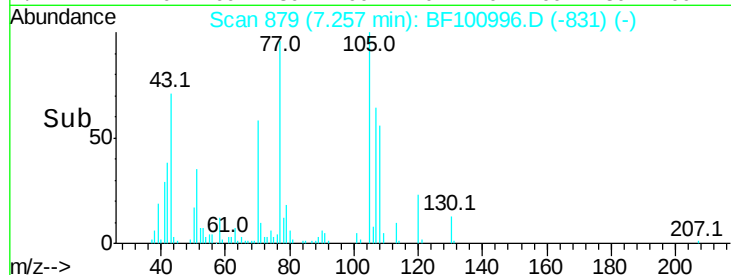
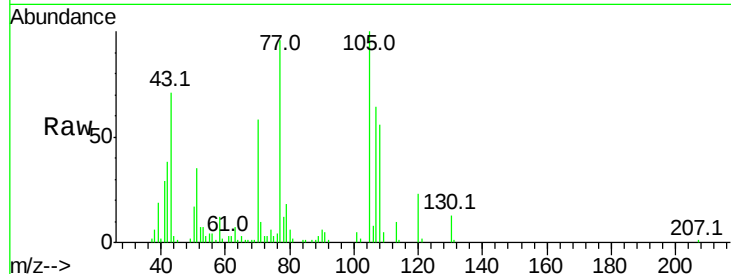
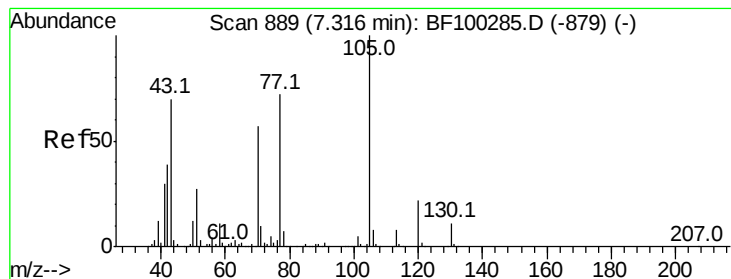
#18
Hexachloroethane
Concen: 3.927 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion:	117	Resp:	7991
Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.8	113.8
201	110.3	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: 4.706 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.02 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

BNA_F

ClientSampleId :

SB-12(0-2)-20171127MSD

Tot Ion: 70 Resp: 20122

Ion Ratio Lower Upper

70 100

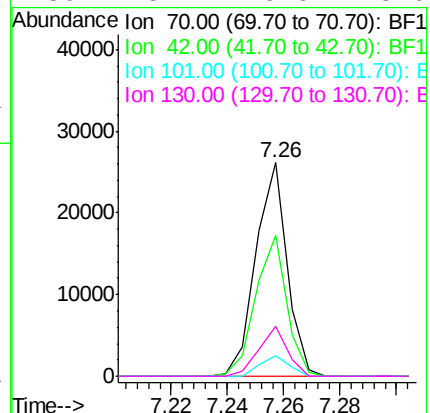
42 66.2 47.5 71.3

101 9.4 7.4 11.2

130 23.2 16.6 25.0

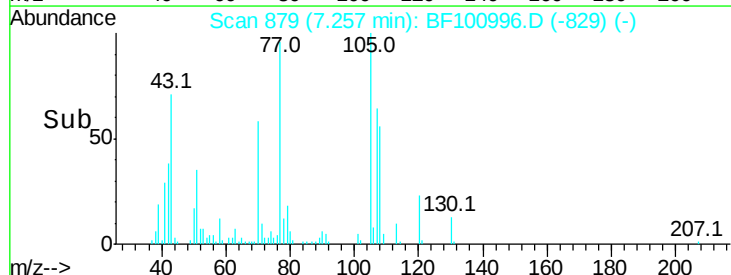
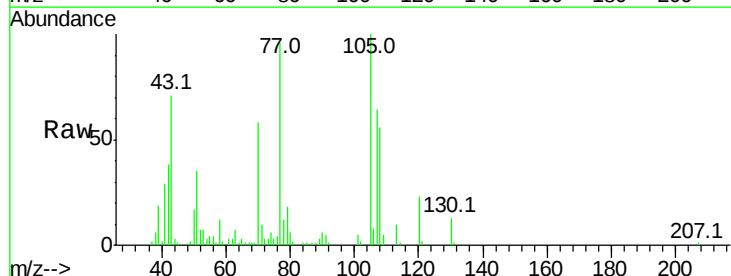
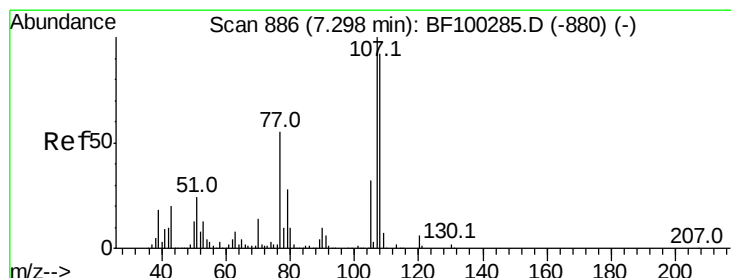
Manual Integrations

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#20

3+4-Methylphenols

Concen: 5.495 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Tgt Ion: 107 Resp: 31427

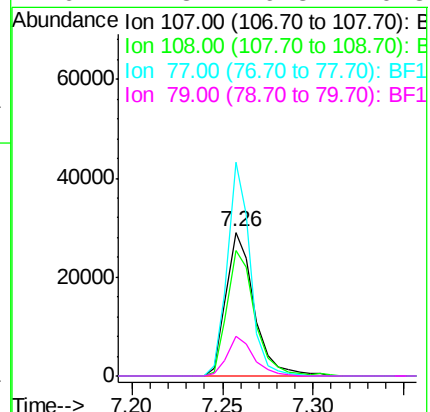
Ion Ratio Lower Upper

107 100

108 87.5 68.2 108.2

77 148.7 26.7 66.7#

79 27.3 6.3 46.3



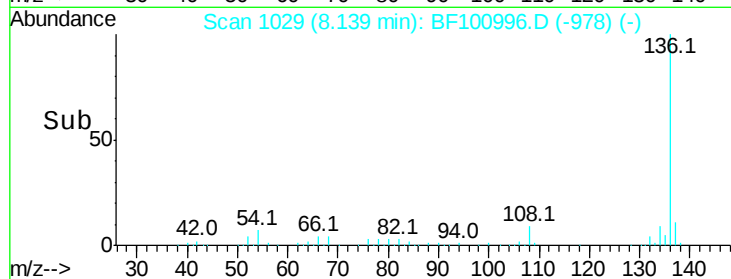
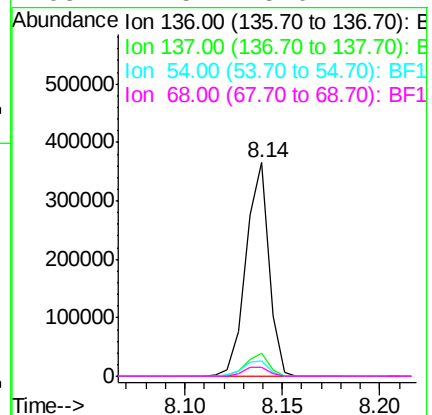
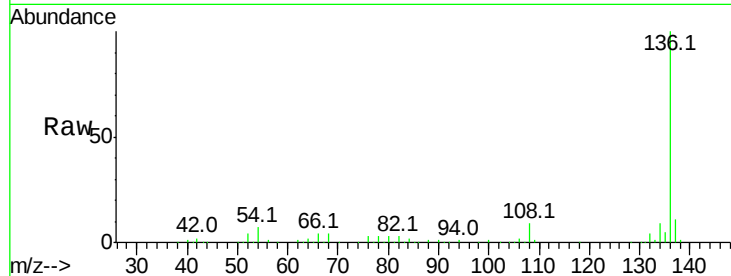


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

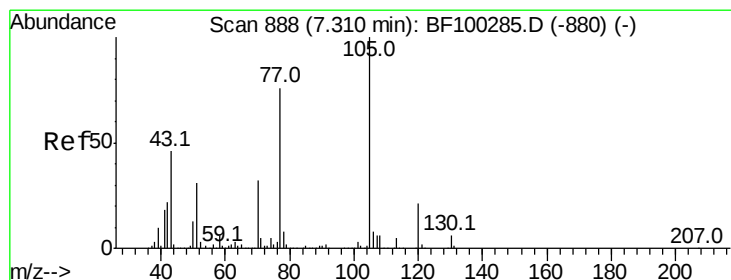
Tot Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.3	6.6	9.8
68	4.5	5.0	7.4#

Manual Integrations
APPROVED



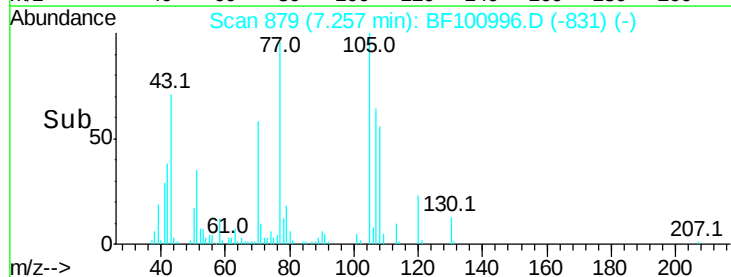
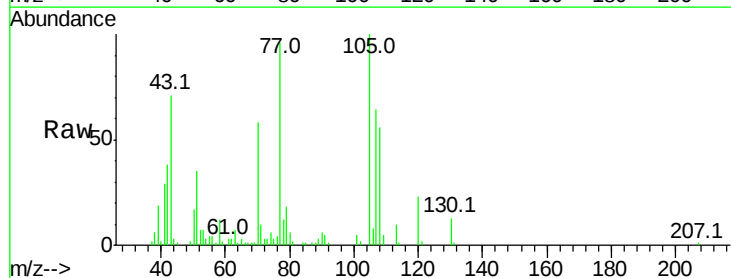
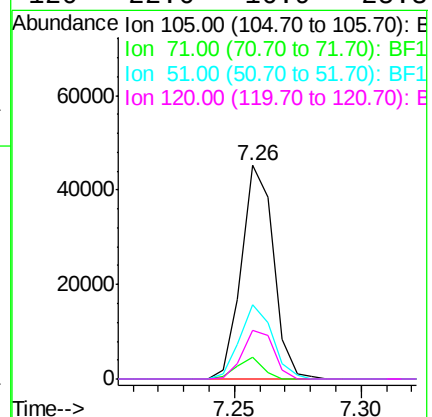
Sohil

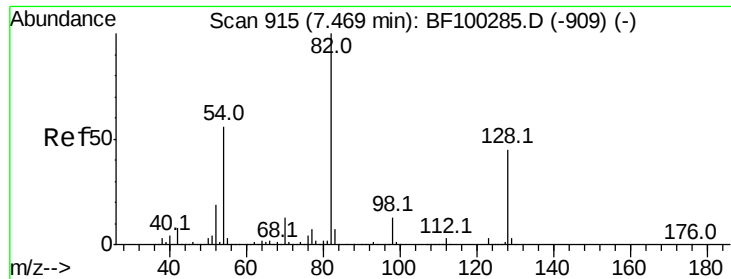
11/30/2017 4:30:19 PM



#22
Acetophenone
Concen: 5.472 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.02 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
105	100		
71	10.1	4.4	6.6#
51	34.6	22.3	33.5#
120	22.6	16.9	25.3



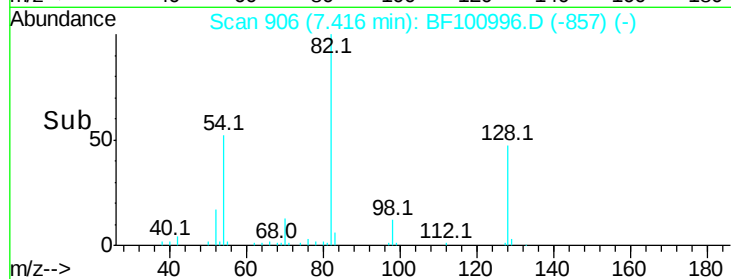
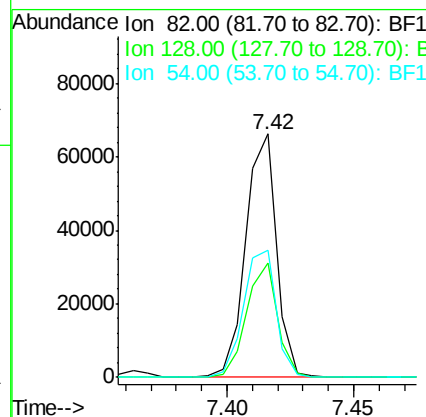
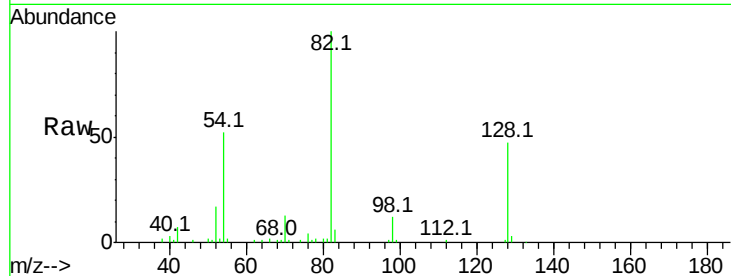


#23
 Nitrobenzene-d5
 Concen: 12.426 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127MSD

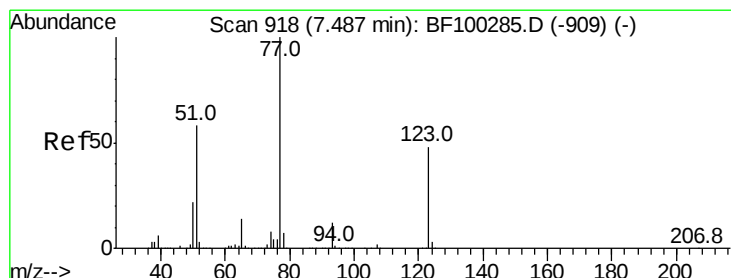
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.1	54.1
54	52.2	41.4	62.2

Manual Integrations
 APPROVED



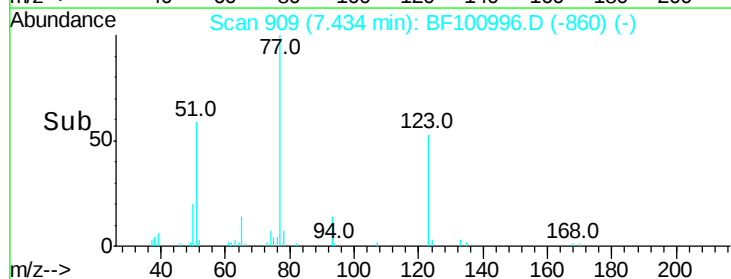
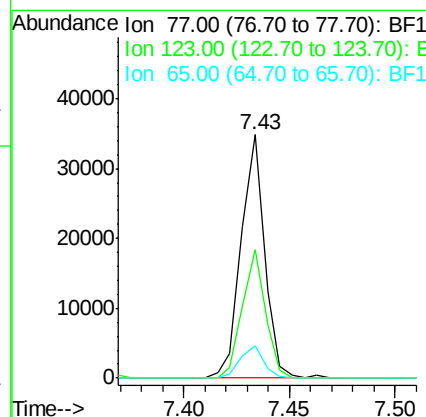
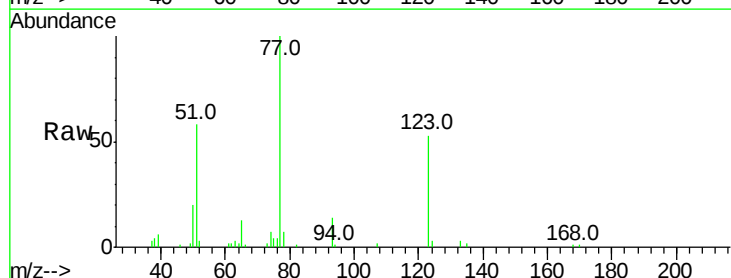
Sohil

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#24
 Nitrobenzene
 Concen: 5.767 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
77	100		
123	52.7	37.9	56.9
65	13.4	11.0	16.4



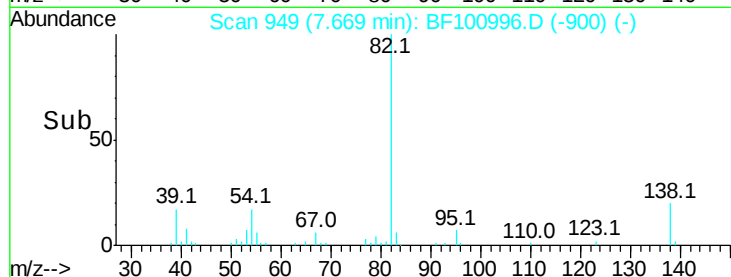
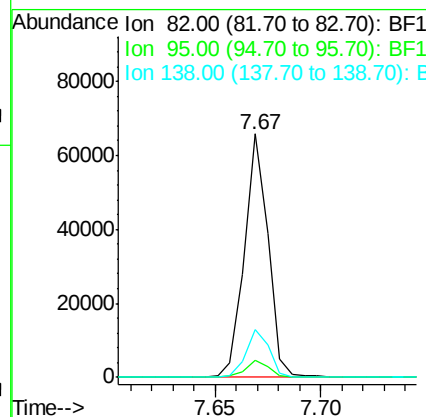
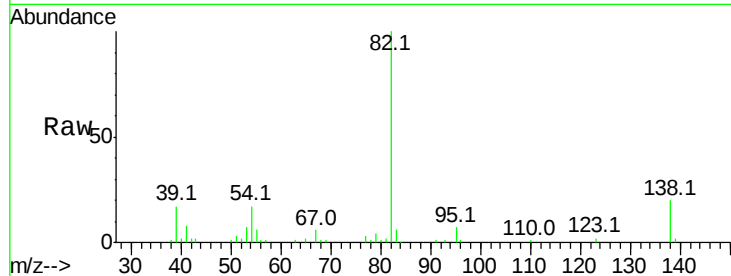


#25
Isophorone
Concen: 5.360 ng
RT: 7.67 min Scan# 949
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

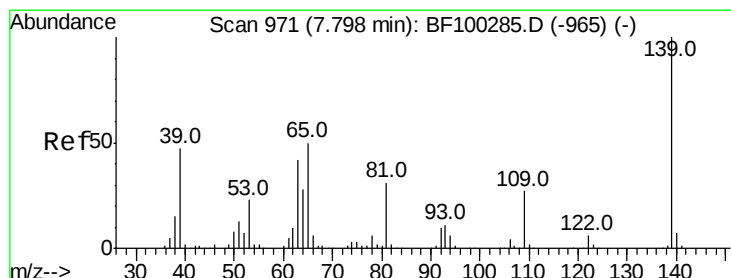
Tot Ion:	82	Resp:	50730
Ion Ratio	Lower	Upper	
82	100		
95	7.1	5.2	7.8
138	19.5	14.9	22.3

Manual Integrations
APPROVED



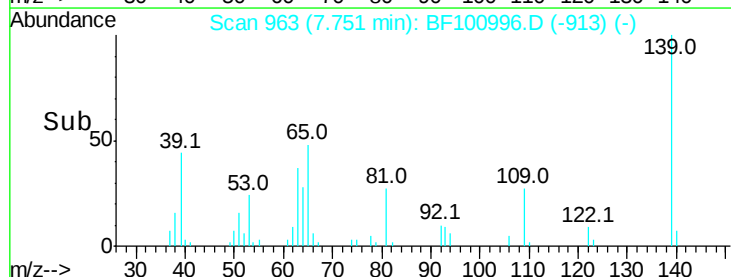
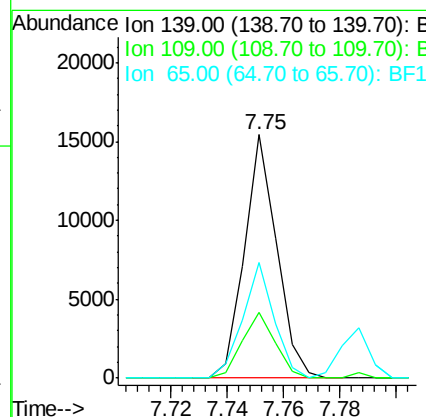
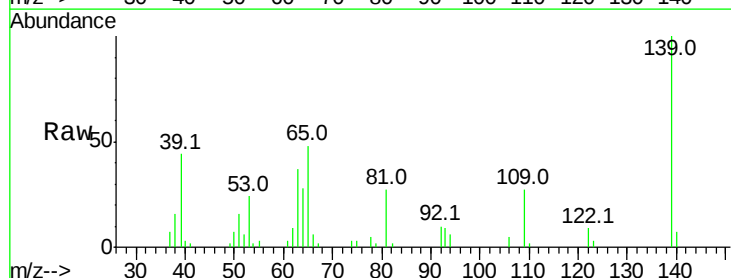
Sohil

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#26
2-Nitrophenol
Concen: 10.404 ng
RT: 7.75 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion:	139	Resp:	12300
Ion Ratio	Lower	Upper	
139	100		
109	27.1	22.7	34.1
65	47.7	40.5	60.7



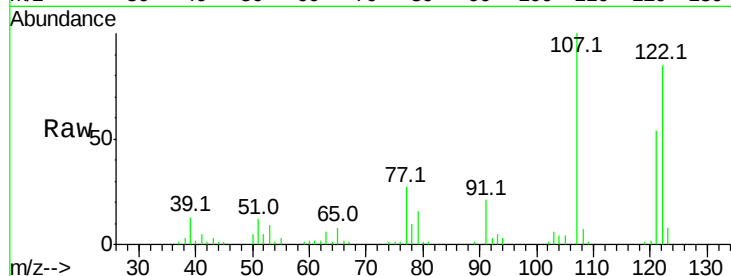


#27
2,4-Dimethylphenol
Concen: 5.715 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

Tot Ion	Ion	Ratio	Lower	Upper
122	100			
107	117.9	91.2	136.8	
121	64.0	47.2	70.8	

Manual Integrations
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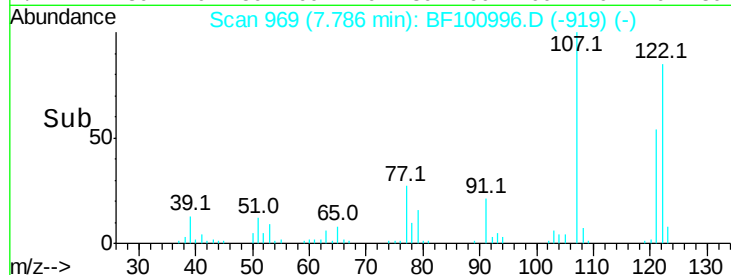
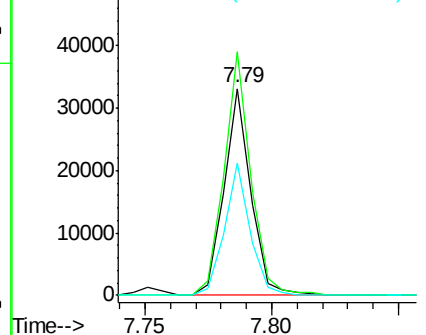


Abundance

Ion 122.00 (121.70 to 122.70): E

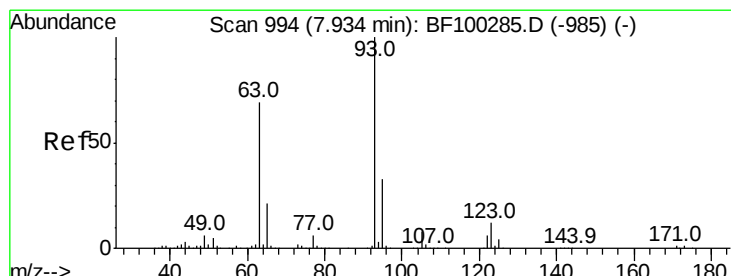
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



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#28
bis(2-Chloroethoxy)methane
Concen: 5.199 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

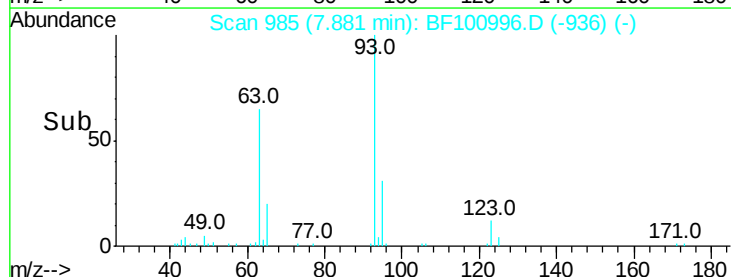
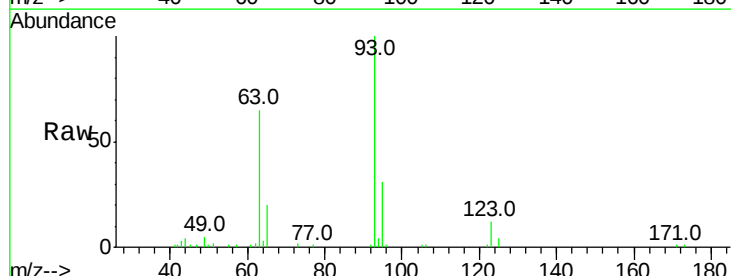
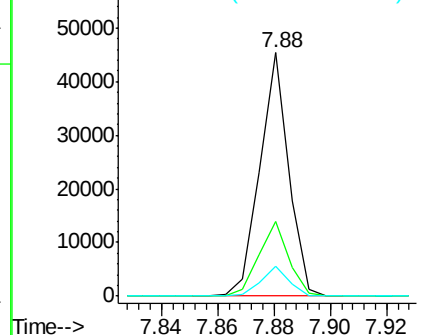
Tgt Ion	Ion	Ratio	Lower	Upper
93	100			
95	30.7	26.3	39.5	
123	12.0	9.8	14.6	

Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 5.897 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

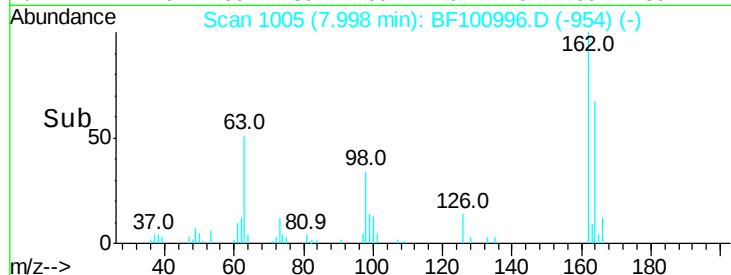
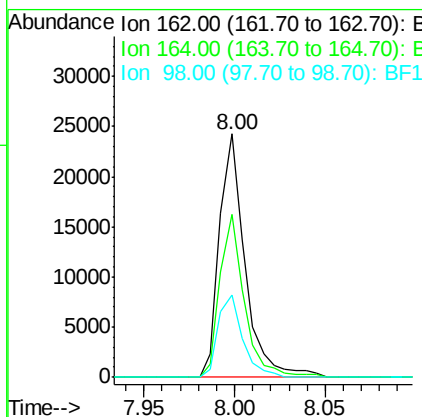
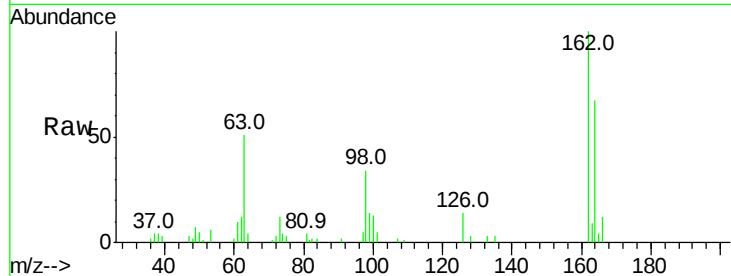
BNA_F

ClientSampleId :

SB-12(0-2)-20171127MSD

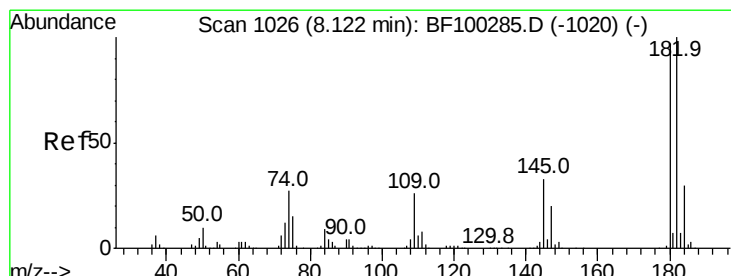
Tot Ion:	162	Resp:	23885
Ion Ratio	Lower	Upper	
162	100		
164	67.0	42.7	82.7
98	33.7	18.1	58.1

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 6.024 ng

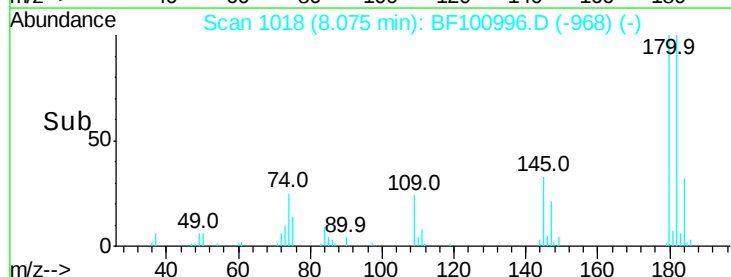
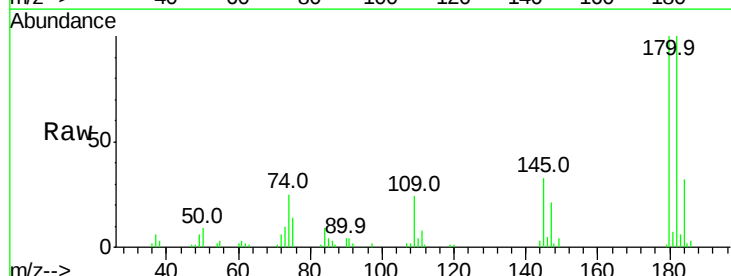
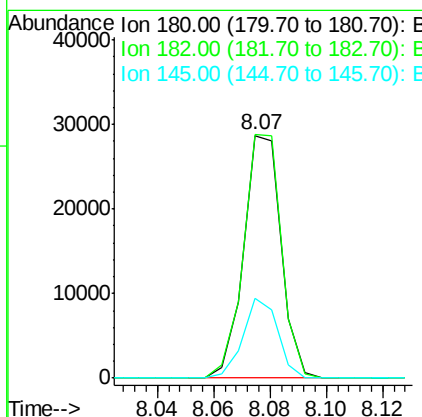
RT: 8.07 min Scan# 1018

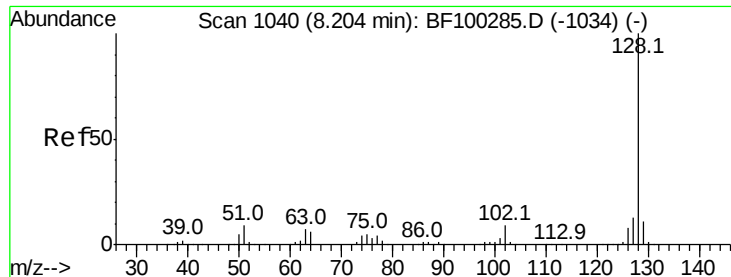
Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Tgt Ion:	180	Resp:	26393
Ion Ratio	Lower	Upper	
180	100		
182	100.3	76.8	115.2
145	32.7	26.5	39.7



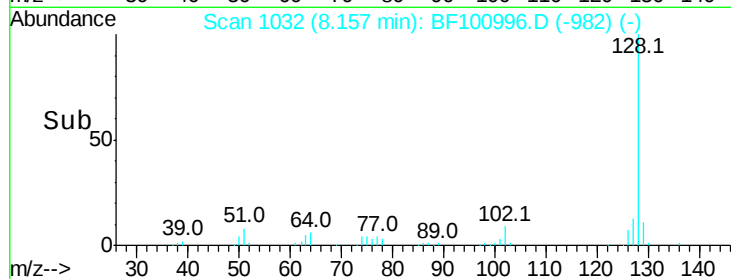
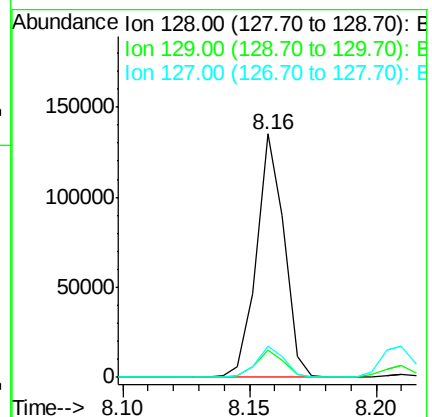
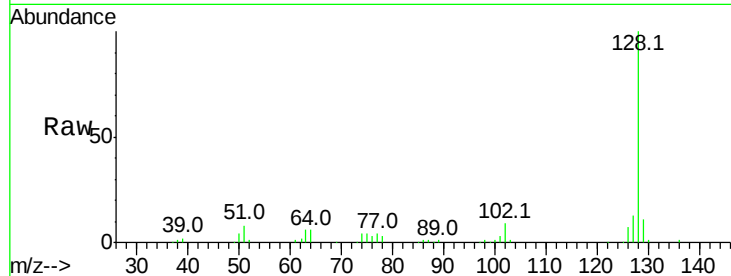


#31
Naphthalene
Concen: 7.170 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

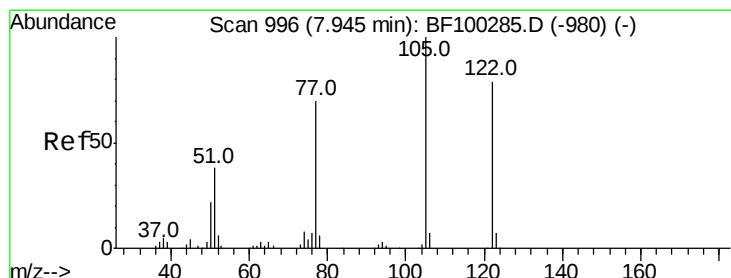
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.6	10.9	16.3

Manual Integrations
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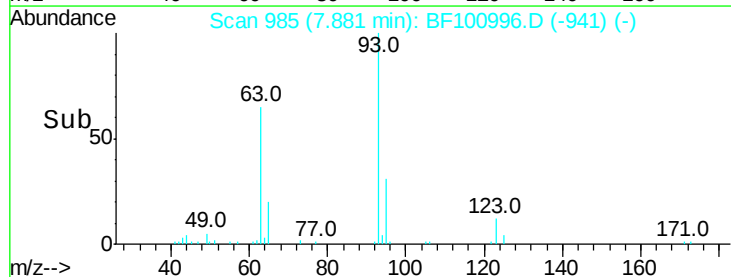
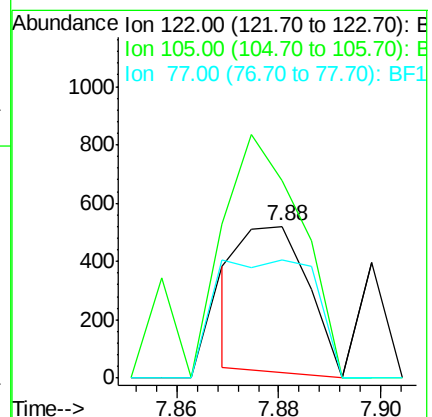
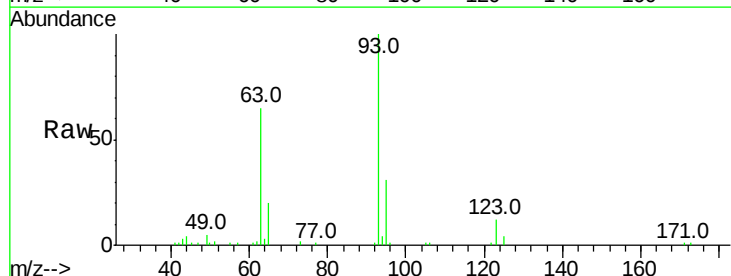
Sohil

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#32
Benzoic acid
Concen: 9.481 ng m
RT: 7.88 min Scan# 985
Delta R.T. -0.04 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
122	100		
105	130.2	101.1	141.1
77	78.3	70.7	110.7



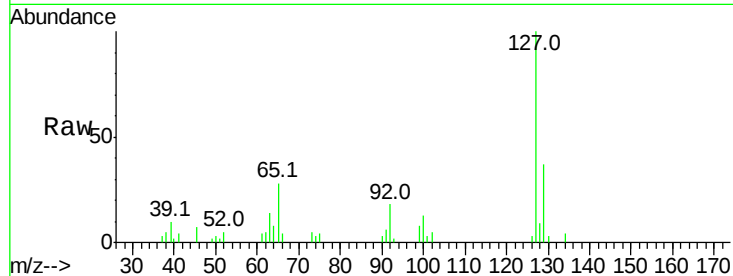


#33
4-Chloroaniline
Concen: 2.984 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

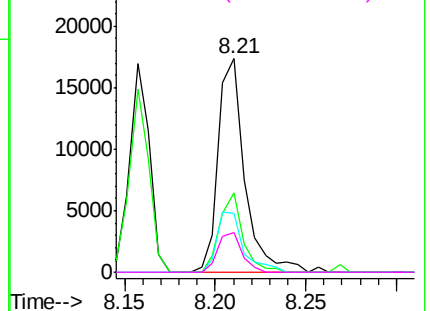
Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	37.3	25.9	38.9		
65	27.6	25.0	37.4		
92	18.4	15.2	22.8		

Manual Integrations
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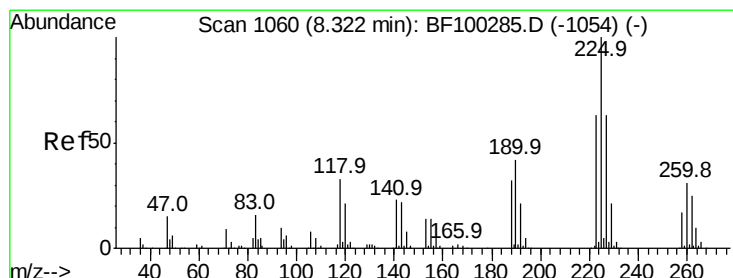
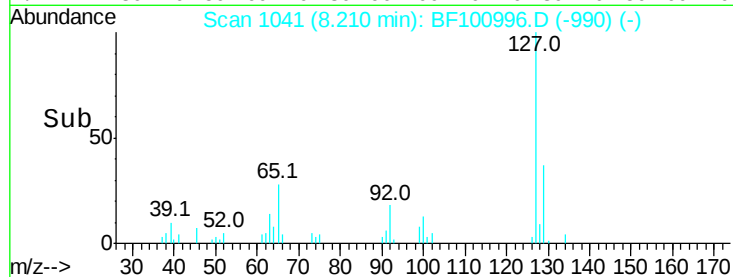


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1



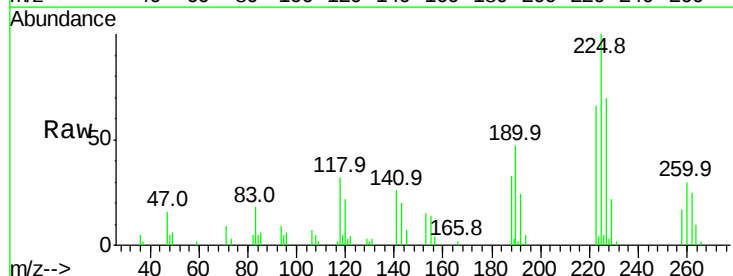
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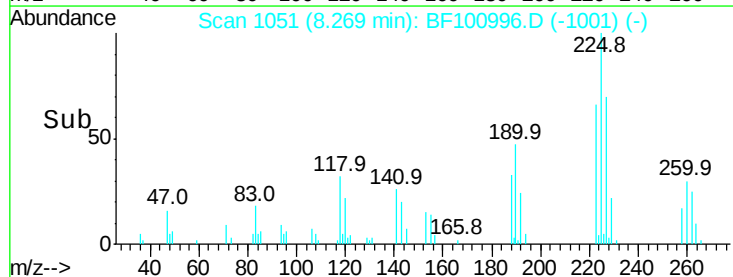
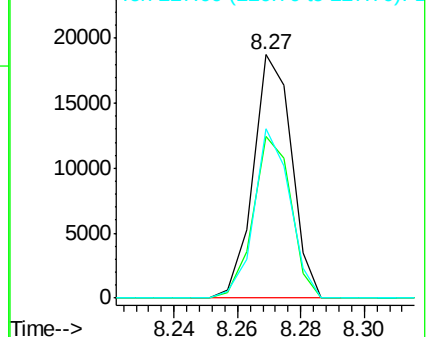


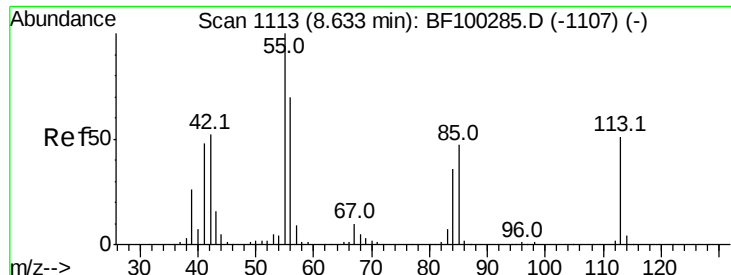
#34
Hexachlorobutadiene
Concen: 6.033 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	66.3	50.6	76.0		
227	69.6	51.9	77.9		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E



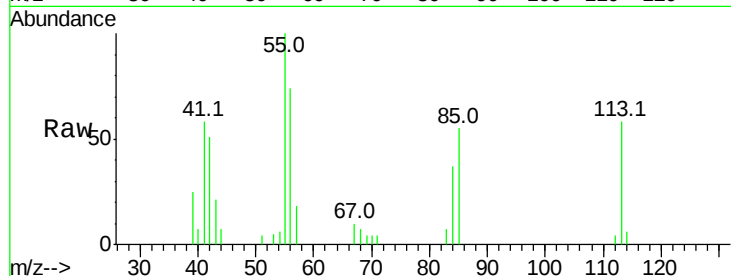


#35
 Caprolactam
 Concen: 4.530 ng
 RT: 8.55 min Scan# 1098
 Delta R.T. -0.05 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

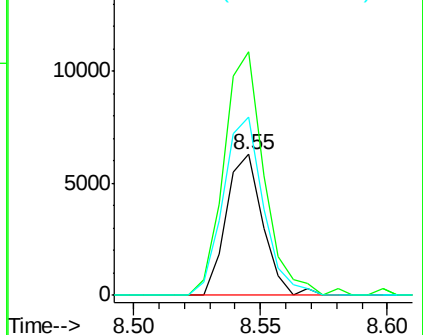
Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	172.6	163.3	203.3
56	126.9	115.7	155.7

Manual Integrations
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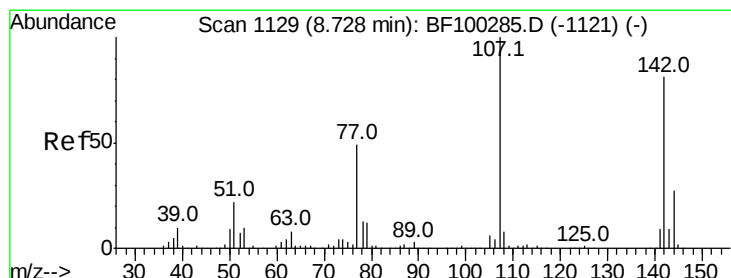
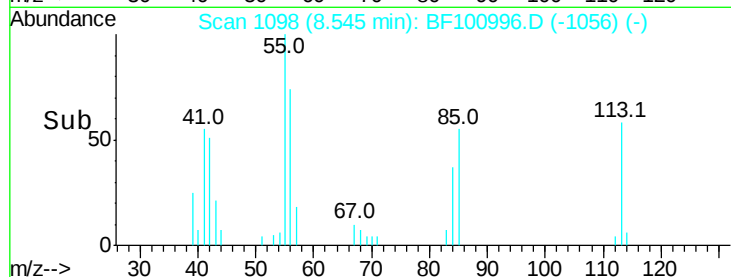


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1



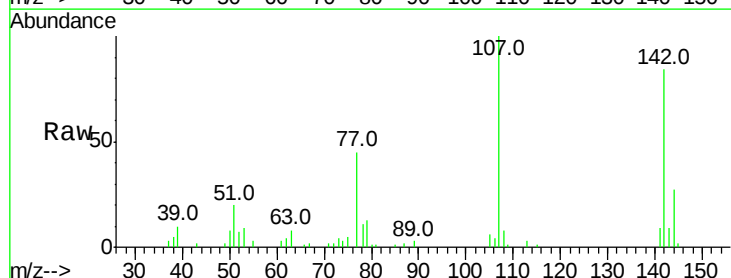
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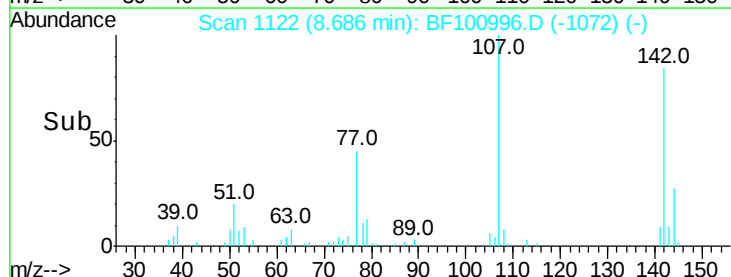
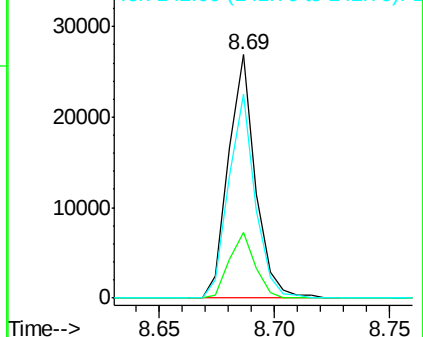


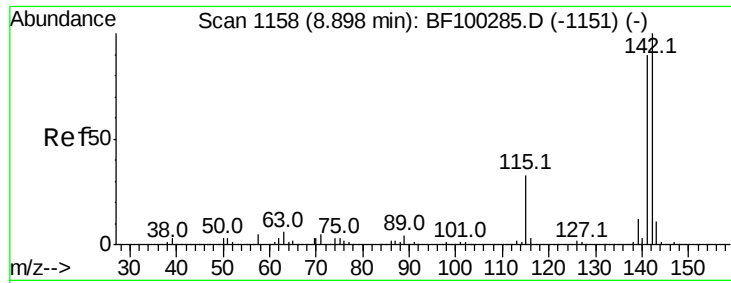
#36
 4-Chloro-3-methylphenol
 Concen: 5.027 ng
 RT: 8.69 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.7	20.5	30.7
142	83.6	62.0	93.0



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E



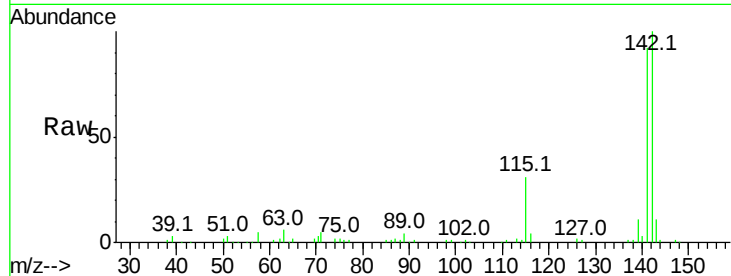


#37
2-Methylnaphthalene
Concen: 6.796 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.0	70.8	106.2
115	31.0	26.1	39.1

Manual Integrations
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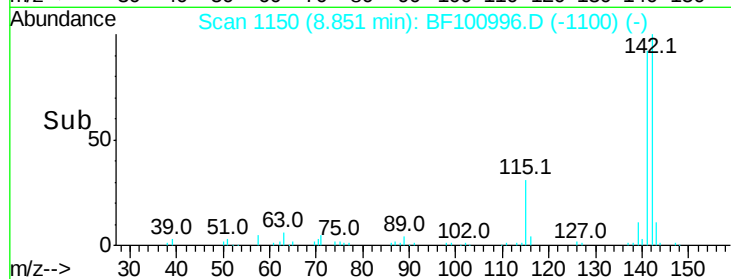
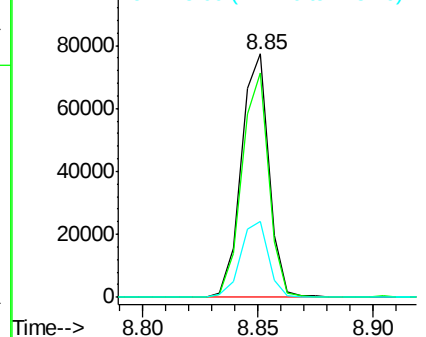


Abundance

Ion 142.00 (141.70 to 142.70): E

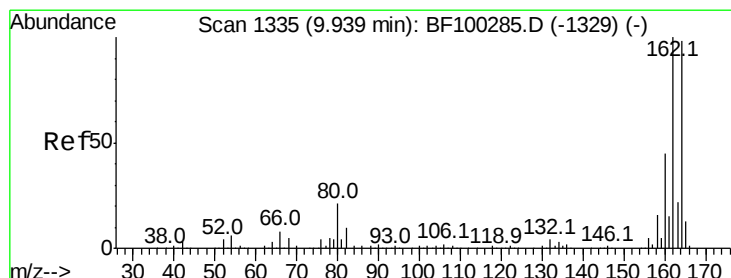
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

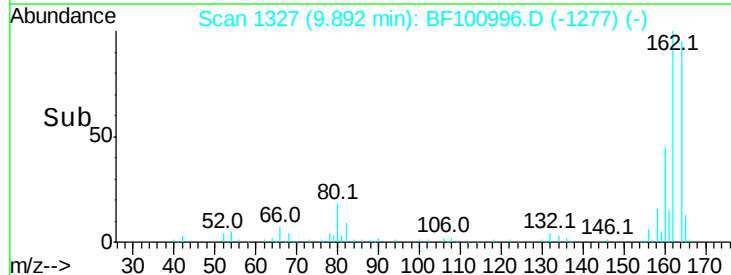
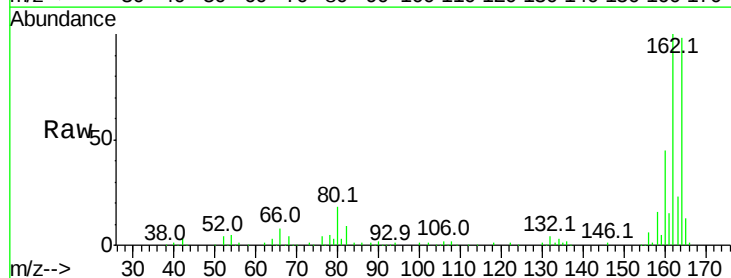
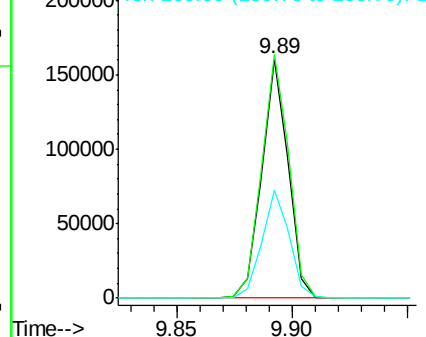
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	86.1	129.1
160	45.4	38.3	57.5

Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



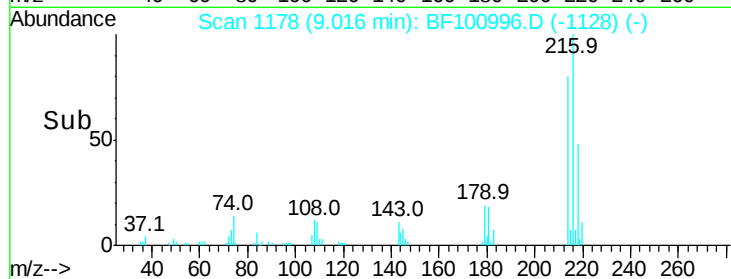
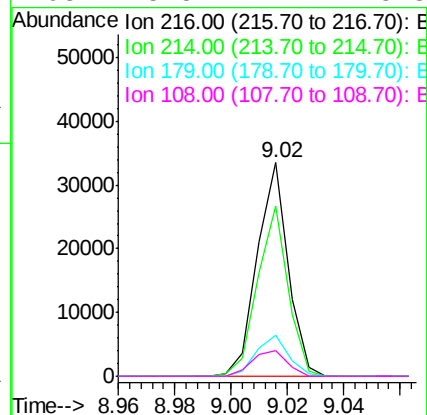
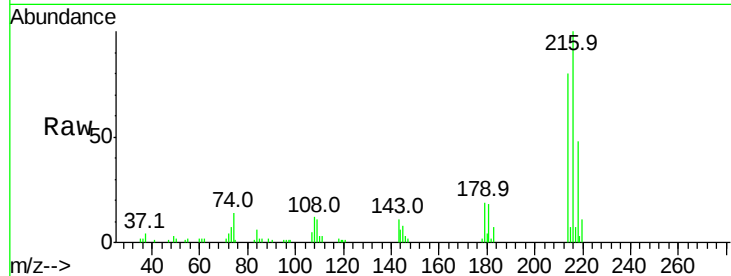


#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 6.000 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127MSD

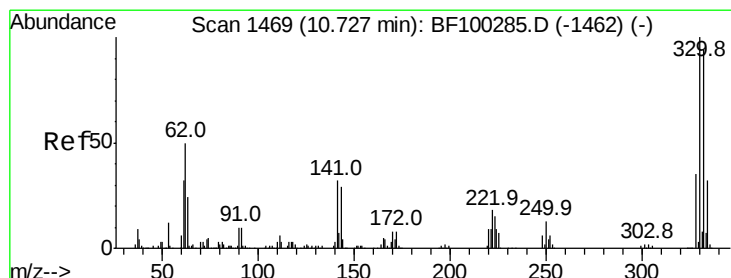
Tot Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.0	94.4
179	20.3	18.1	27.1
108	13.8	17.2	25.8

Manual Integrations
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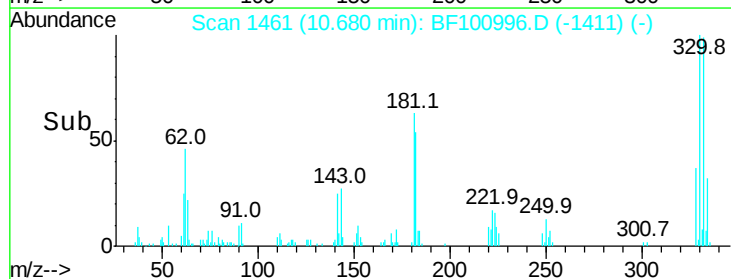
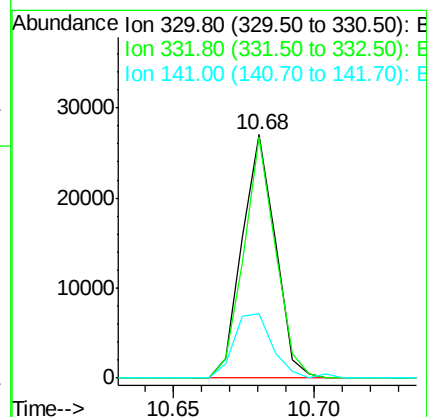
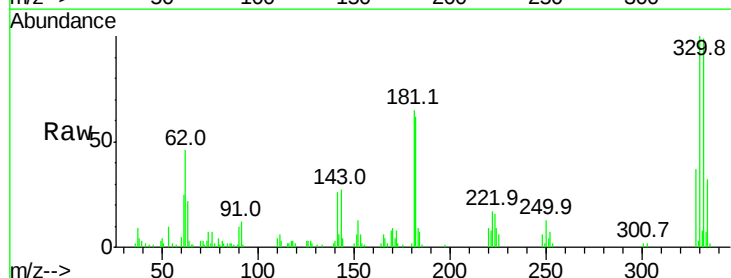
Sohil

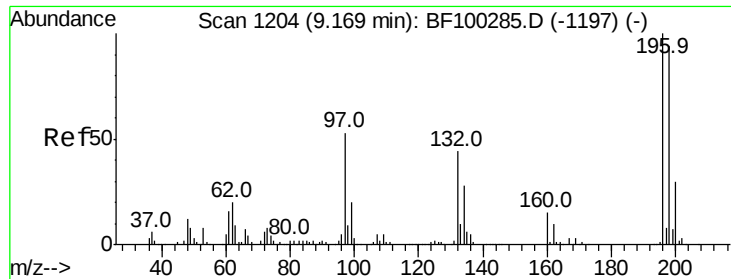
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#41
 2,4,6-Tribromophenol
 Concen: 16.940 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	31.3	29.9	44.9



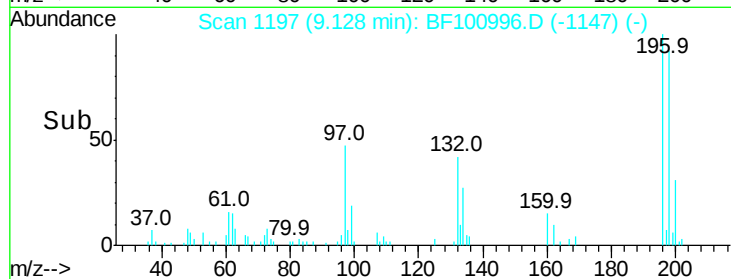
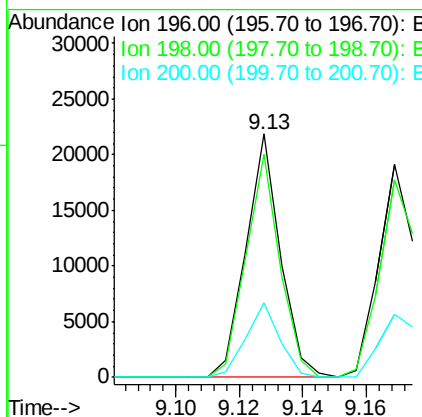
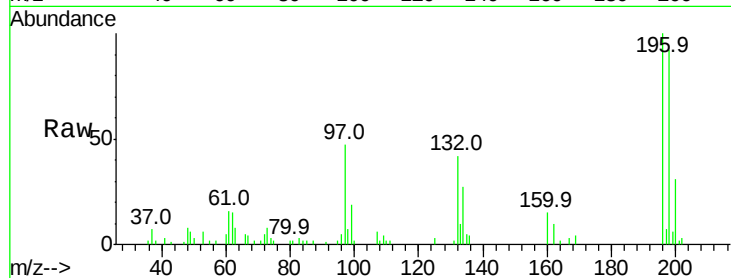


#42
 2,4,6-Trichlorophenol
 Concen: 6.113 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127MSD

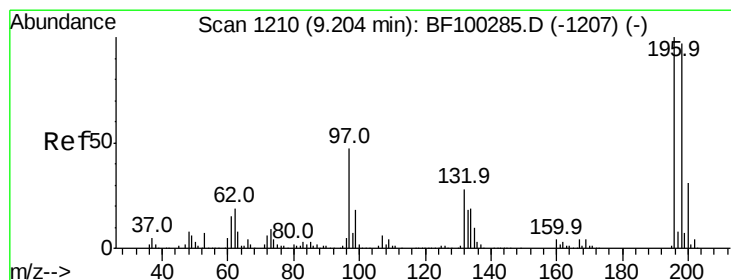
Tot Ion:	196	Resp:	16383
Ion Ratio	Lower	Upper	
196	100		
198	91.7	75.7	113.5
200	30.6	24.5	36.7

Manual Integrations
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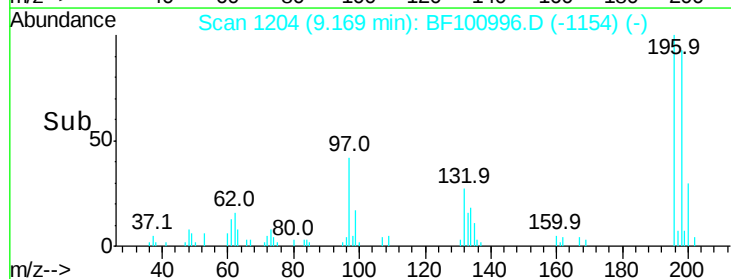
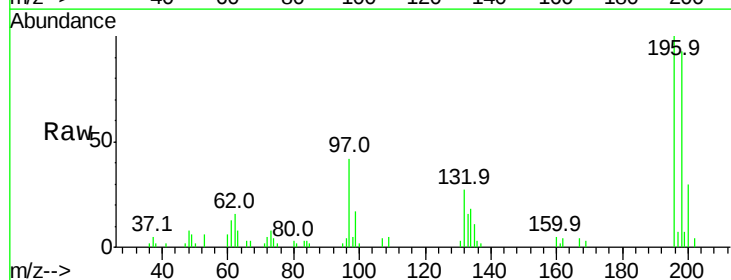
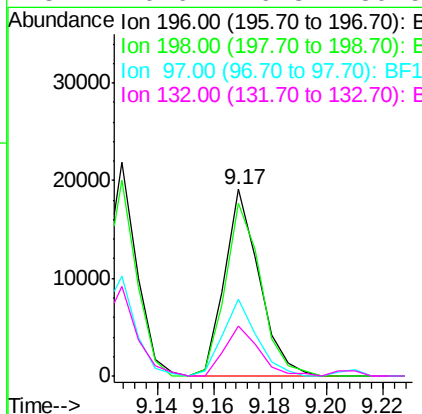
Sohil

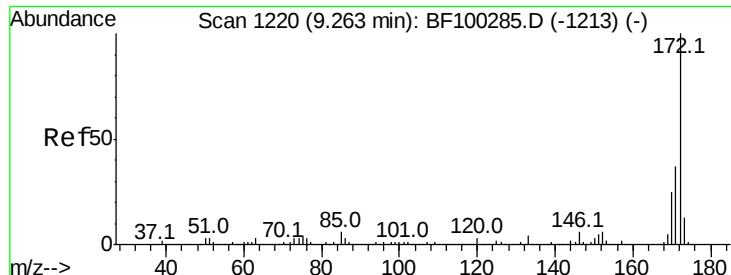
11/30/2017 4:30:19 PM



#43
 2,4,5-Trichlorophenol
 Concen: 5.901 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Tgt Ion:	196	Resp:	16387
Ion Ratio	Lower	Upper	
196	100		
198	92.7	74.6	112.0
97	41.5	42.9	64.3#
132	26.6	26.3	39.5



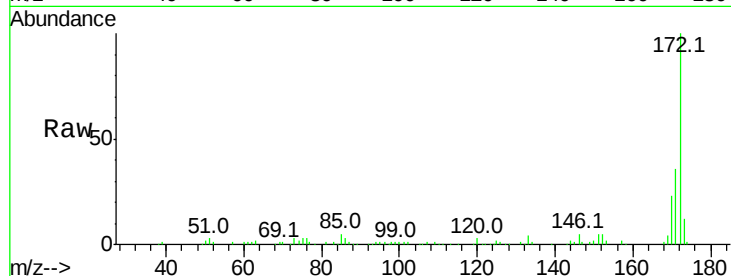


#44
2-Fluorobiphenyl
Concen: 15.055 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

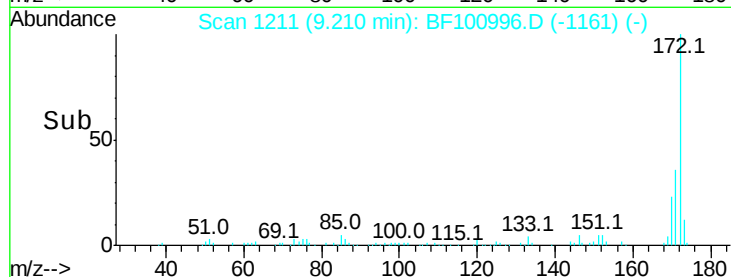
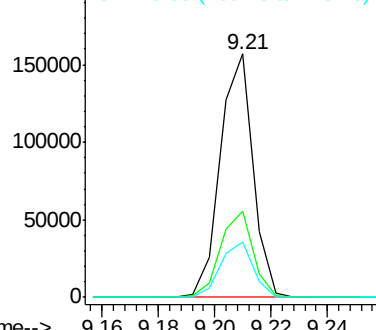
Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.7	44.5	
170	22.9	19.6	29.4	

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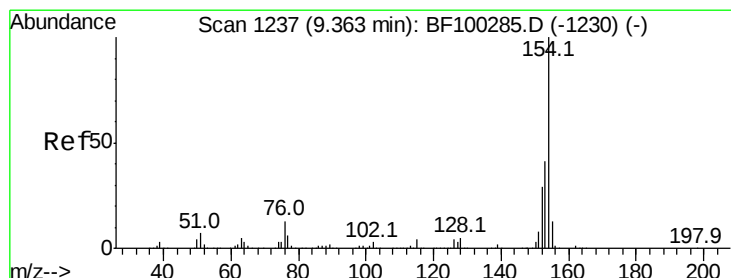
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



Time--> 9.16 9.18 9.20 9.22 9.24

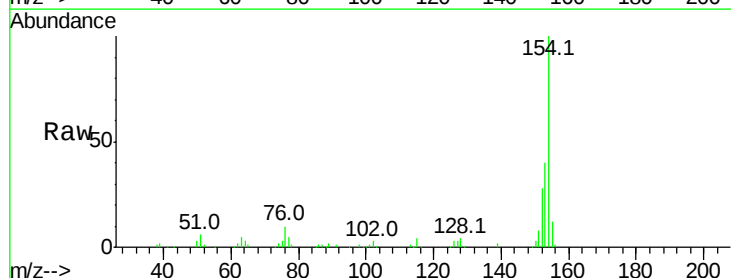
Sohil

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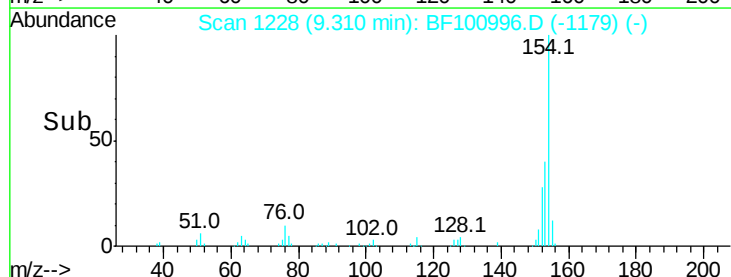
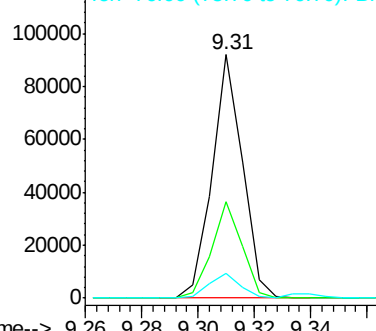


#45
1,1'-Biphenyl
Concen: 6.216 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

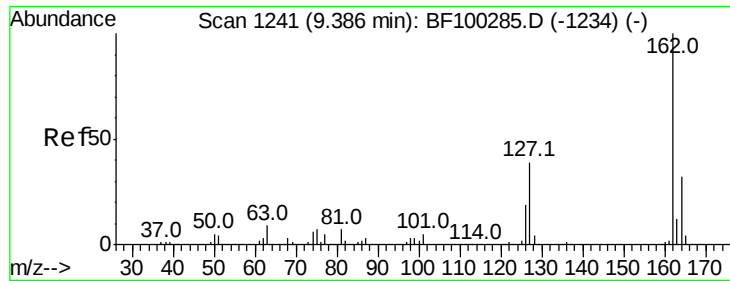
Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	39.8	21.3	61.3	
76	10.0	0.0	34.0	



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



Time--> 9.26 9.28 9.30 9.32 9.34

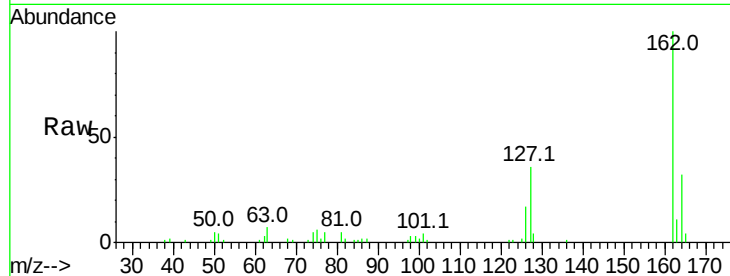


#46
2-Chloronaphthalene
Concen: 6.214 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

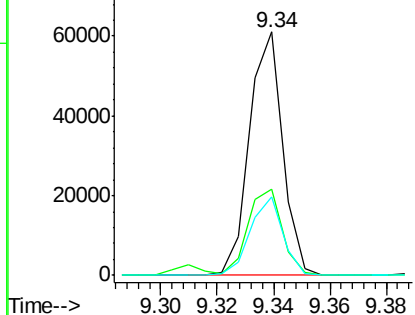
Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	35.7	33.9	50.9
164	32.3	26.5	39.7

Manual Integrations
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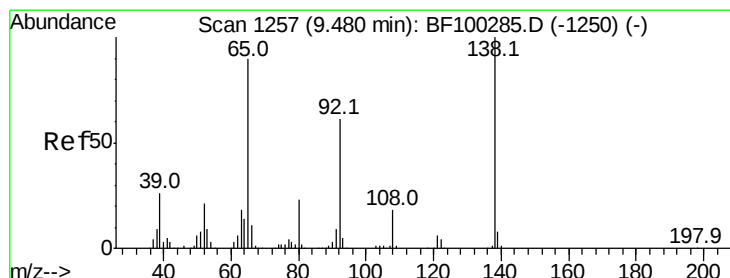
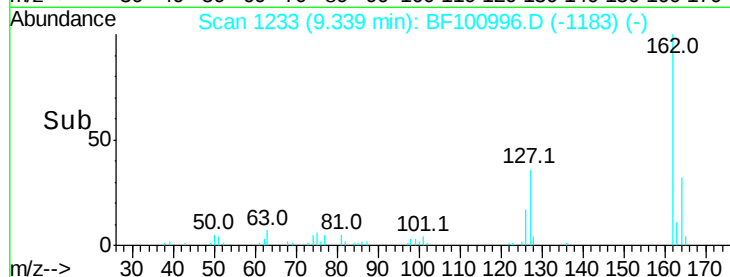


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E



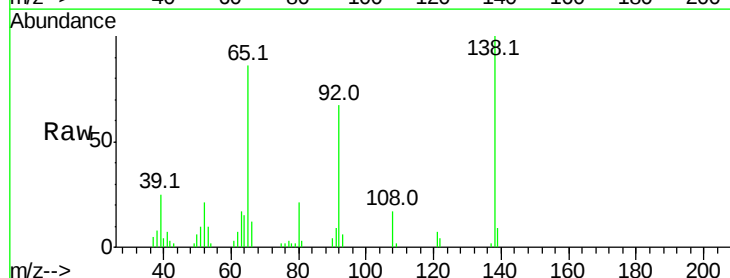
Sohil

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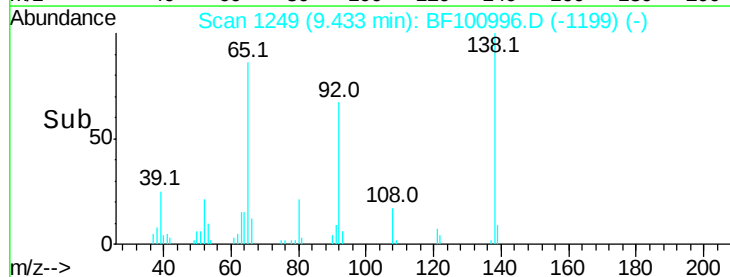
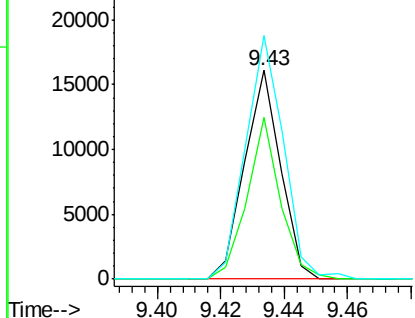


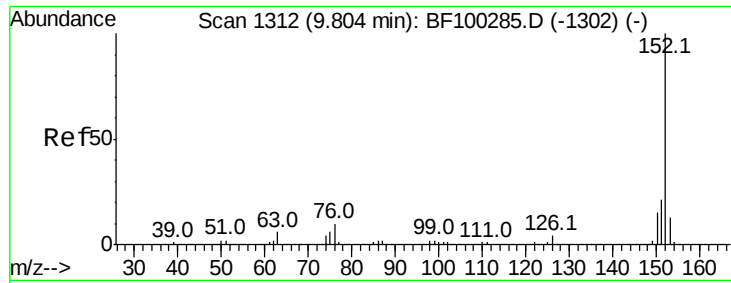
#47
2-Nitroaniline
Concen: 7.826 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
65	100		
92	77.6	55.8	83.6
138	116.6	91.2	136.8



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E



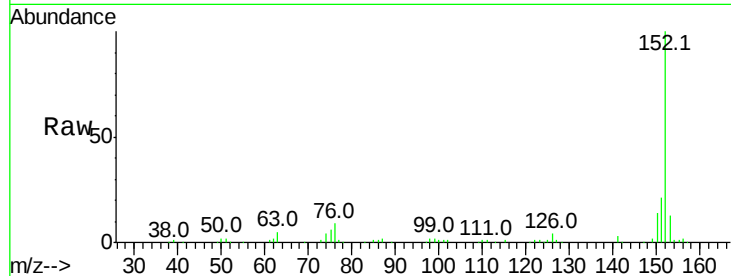


#48
Acenaphthylene
Concen: 9.176 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

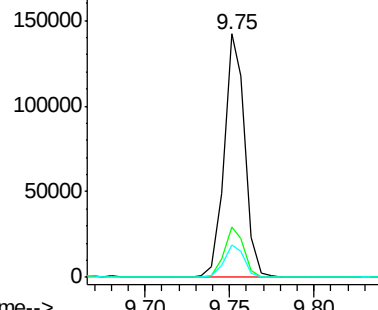
Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.4	10.7	16.1

Manual Integrations
APPROVED

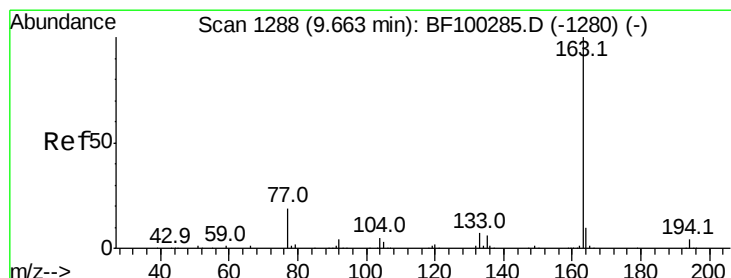
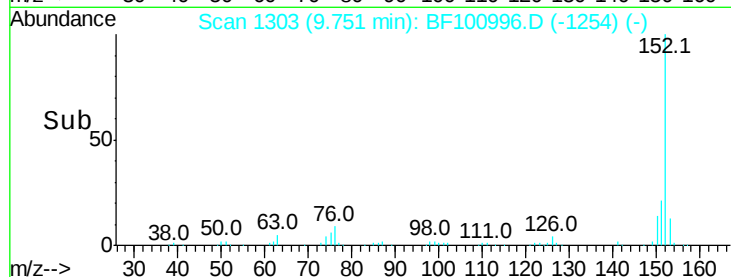


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



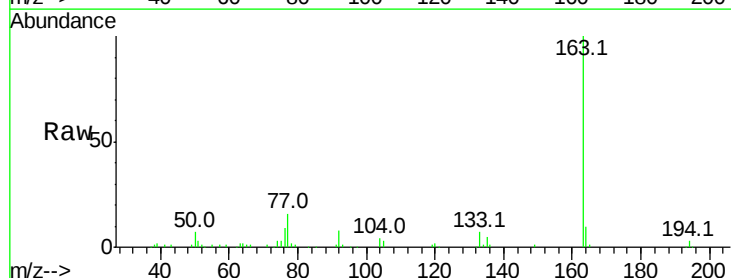
Sohil

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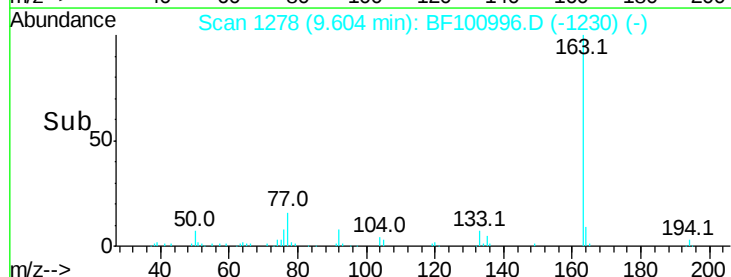
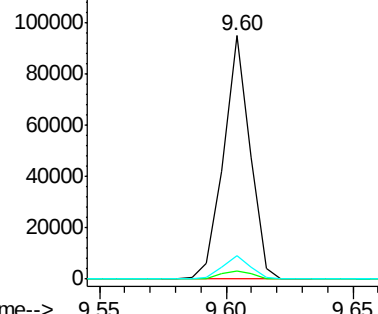


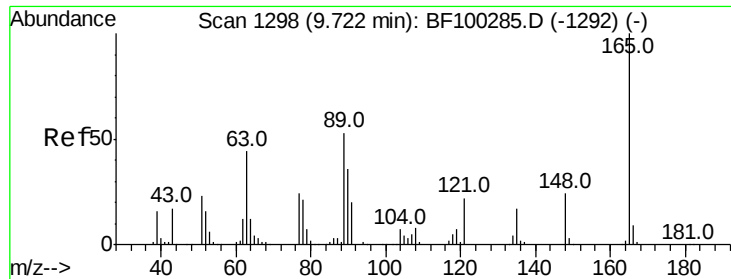
#49
Dimethylphthalate
Concen: 7.103 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.7	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



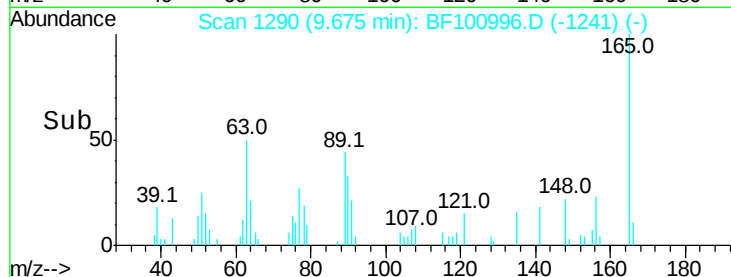
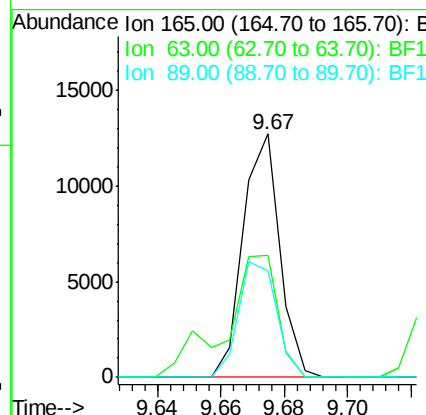
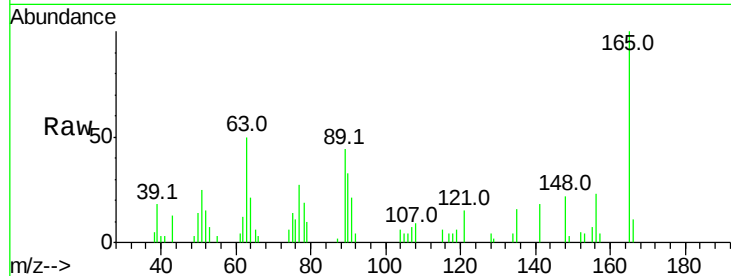


#50
2,6-Dinitrotoluene
Concen: 5.257 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

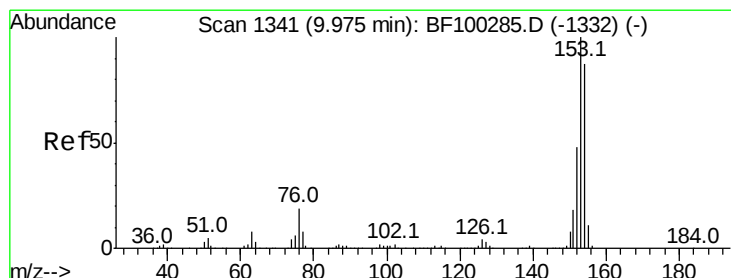
Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	50.0	44.7	67.1	
89	44.0	44.0	66.0	

Manual Integrations
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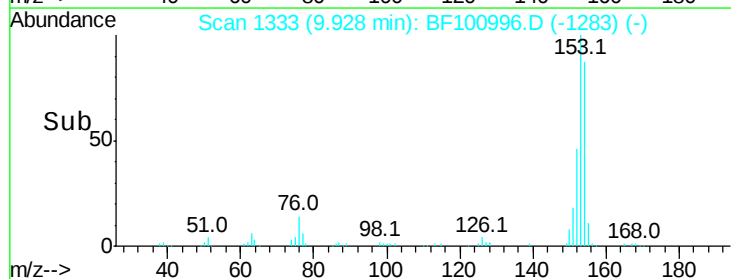
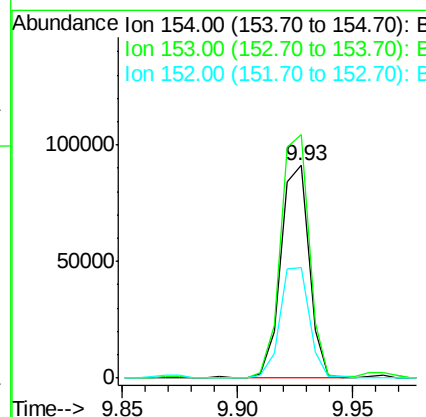
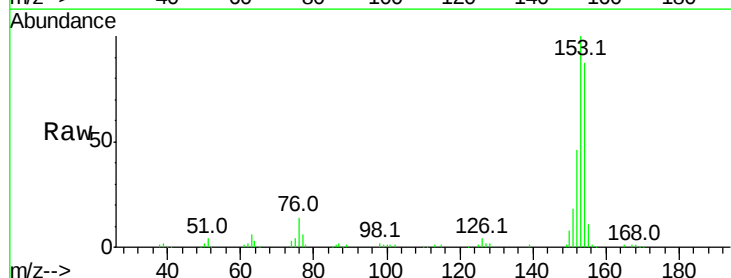
Sohil

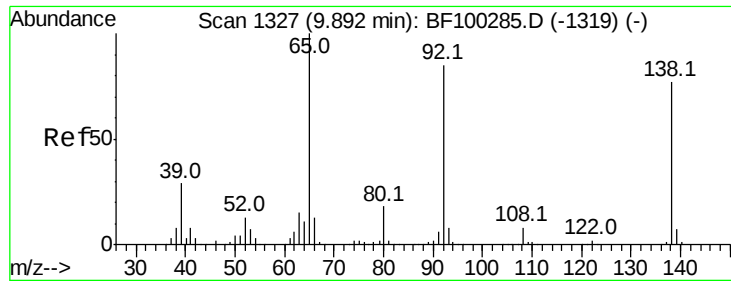
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#51
Acenaphthene
Concen: 9.636 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	114.4	91.2	136.8	
152	52.2	43.8	65.8	



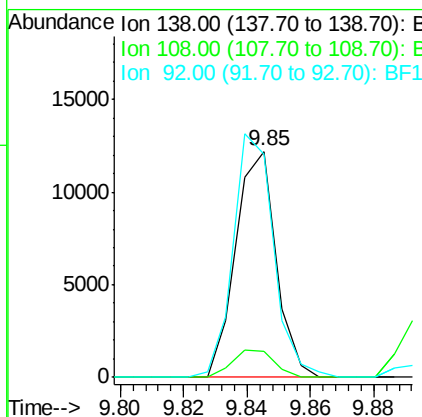
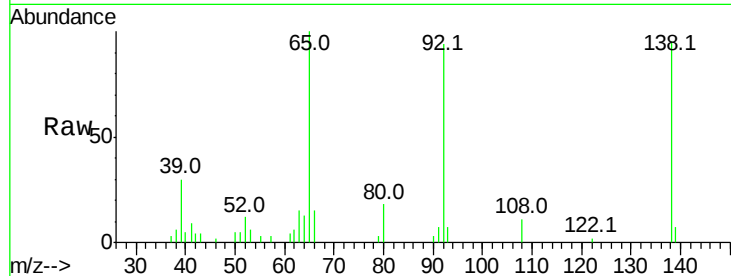


#52
3-Nitroaniline
Concen: 4.705 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

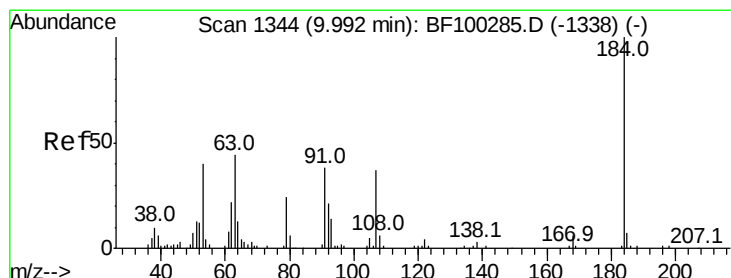
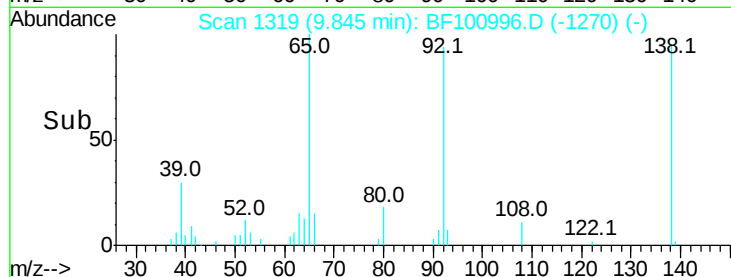
Tot Ion	Ratio	Lower	Upper
138	100		
108	11.4	9.4	14.0
92	98.7	89.4	134.2

Manual Integrations
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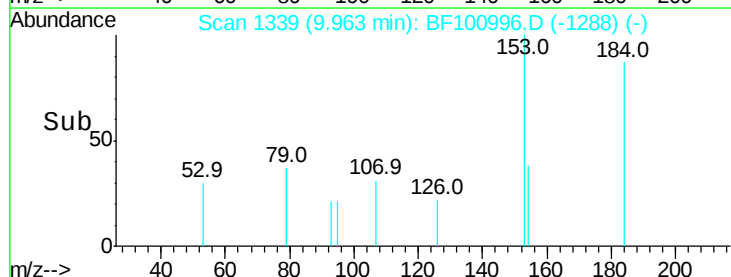
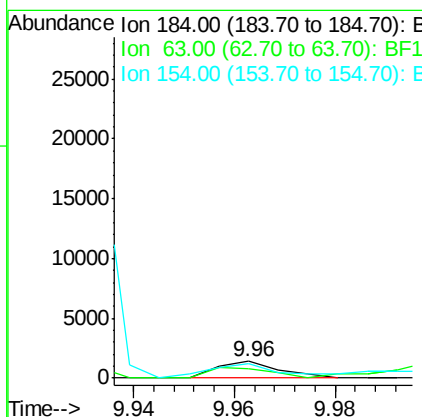
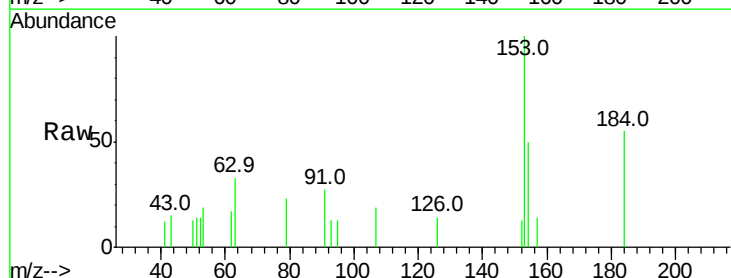
Sohil

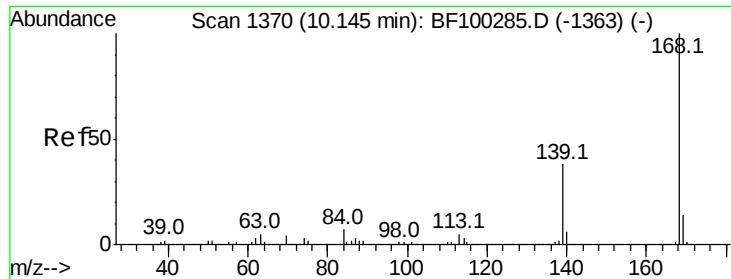
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#53
2,4-Dinitrophenol
Concen: 9.837 ng m
RT: 9.96 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
184	100		
63	60.0	54.2	81.2
154	90.8	184.0	276.0#



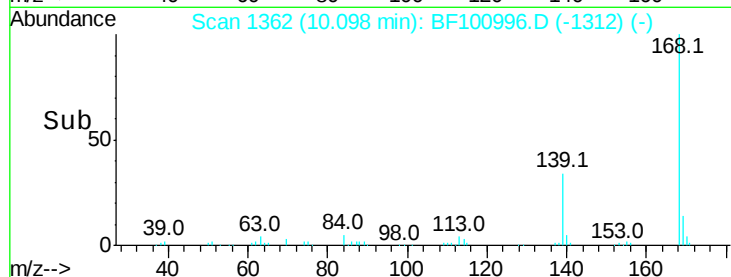
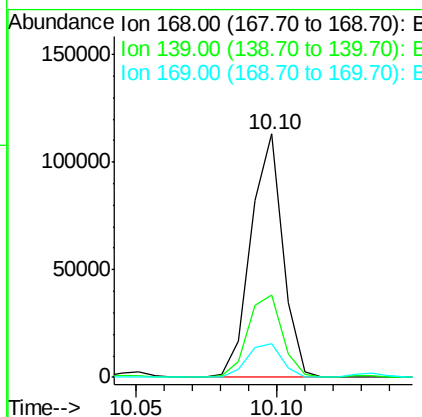
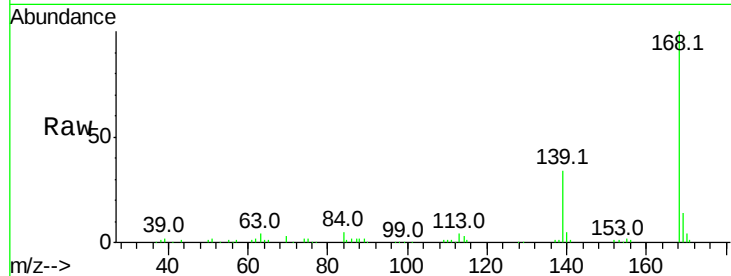


#54
Dibenzenofuran
Concen: 7.830 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

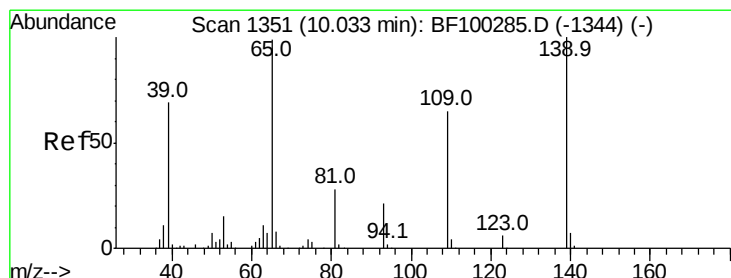
Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	33.9		30.1	45.1
169	13.6		10.9	16.3

Manual Integrations
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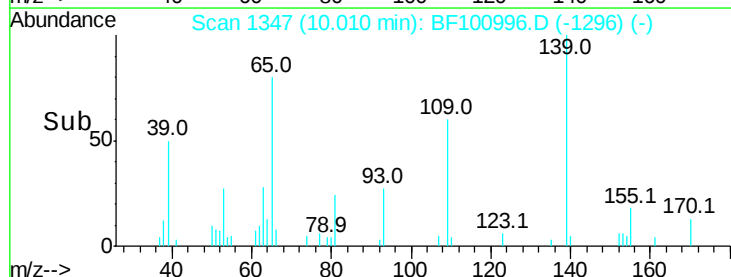
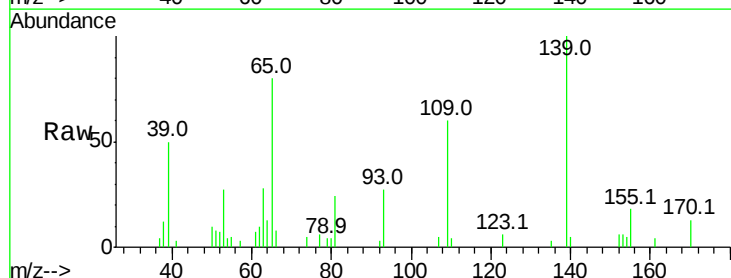
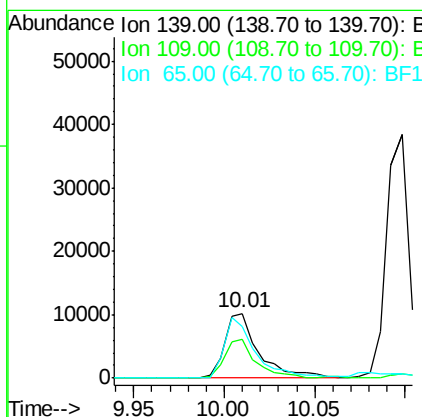
Sohil

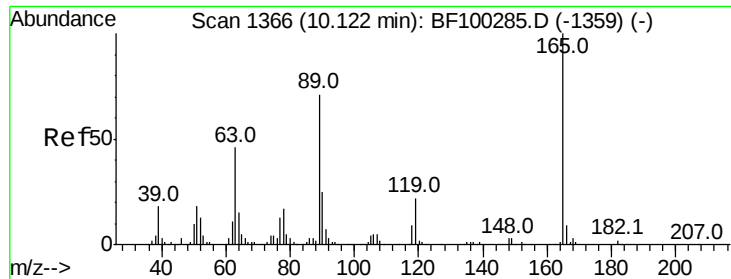
11/30/2017 4:30:19 PM



#55
4-Nitrophenol
Concen: 7.213 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	59.6		48.4	88.4
65	80.3		72.6	112.6



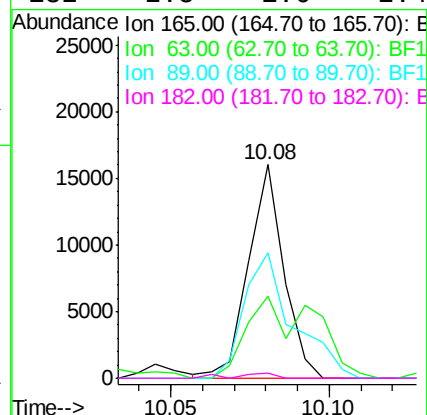
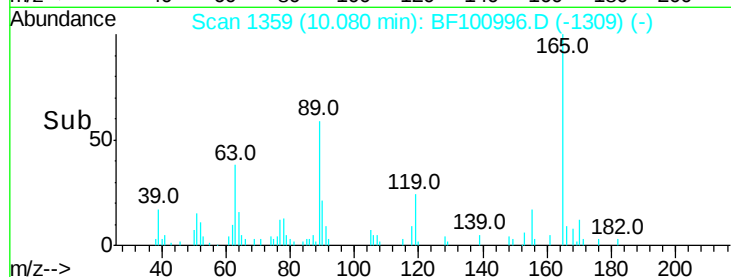
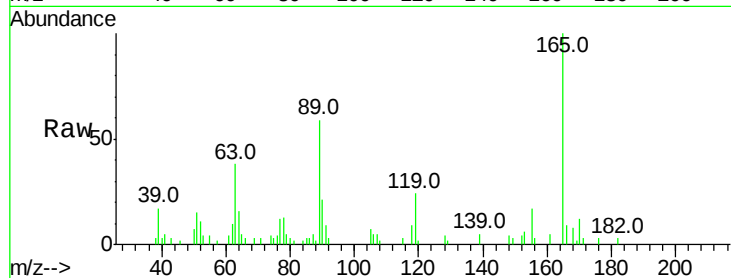


#56
2,4-Dinitrotoluene
Concen: 5.093 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

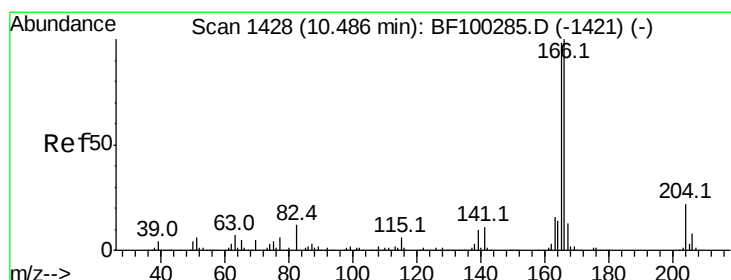
Tot Ion	Ratio	Lower	Upper
165	100		
63	38.4	36.4	54.6
89	58.8	57.8	86.6
182	2.5	1.6	2.4#

Manual Integrations
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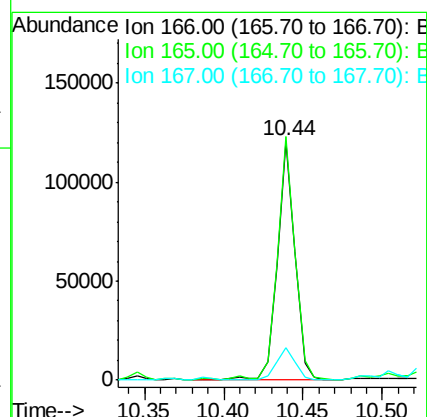
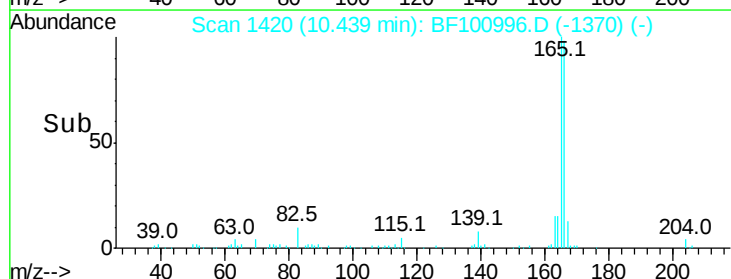
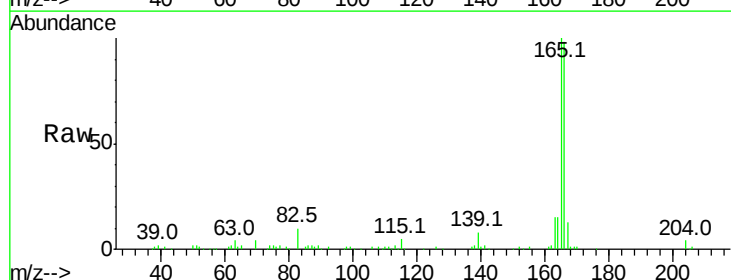
Sohil

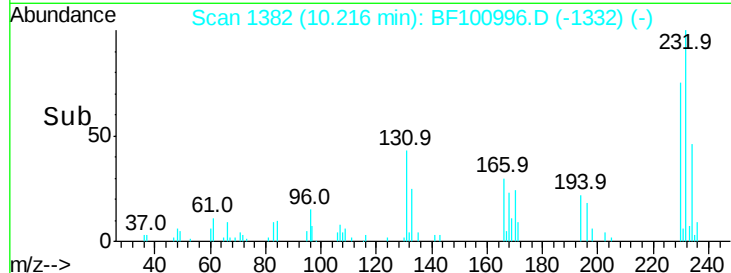
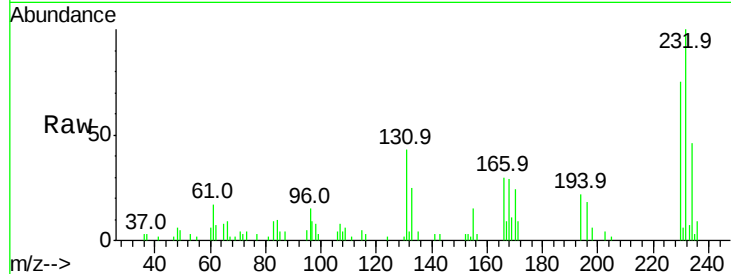
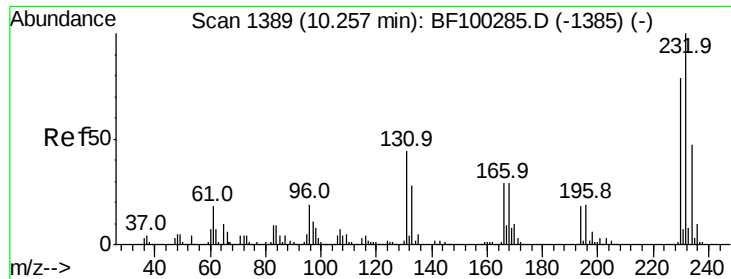
11/30/2017 4:30:19 PM



#57
Fluorene
Concen: 11.404 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.9	79.8	119.8
167	13.4	10.6	16.0



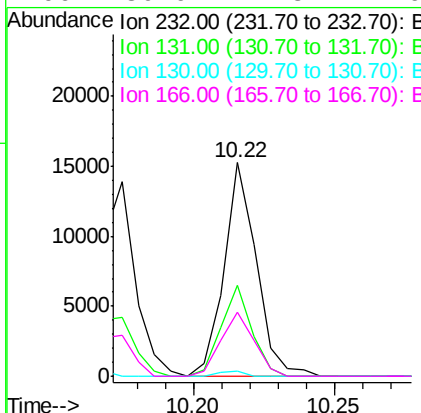


#58
2,3,4,6-Tetrachlorophenol
Concen: 5.336 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

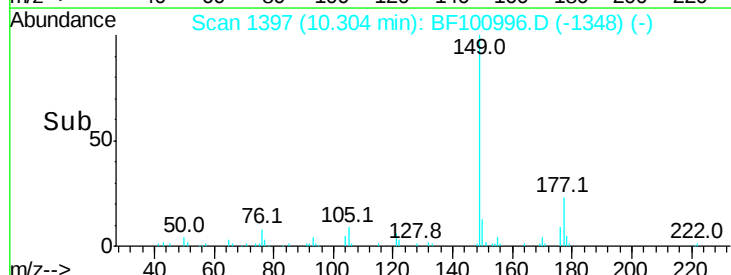
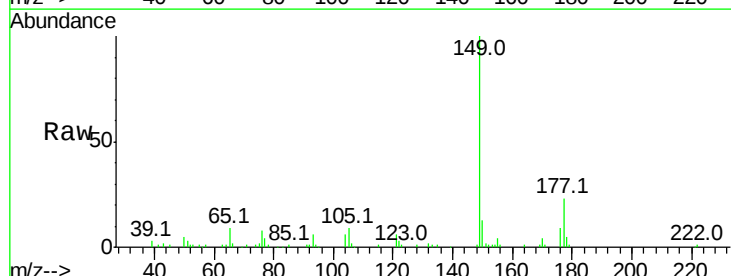
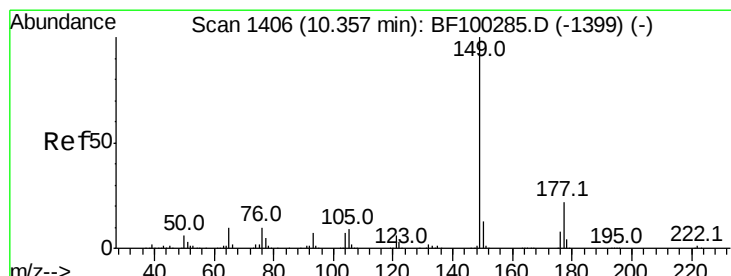
Tot Ion	Ratio	Resp	Lower	Upper
232	100	12144		
131	40.5		43.8	65.8#
130	1.9		2.1	3.1#
166	30.9		27.8	41.6

Manual Integrations
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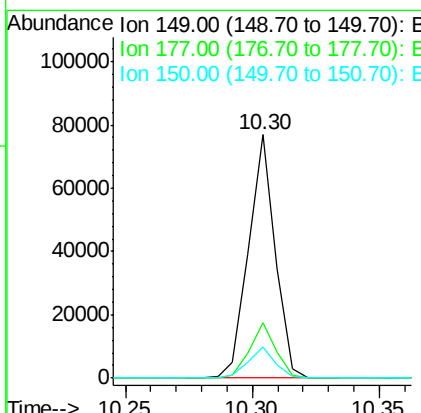
Sohil

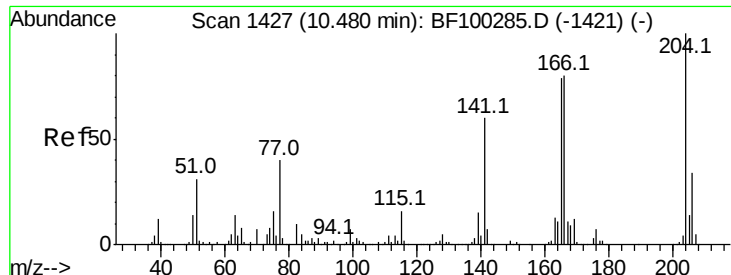
11/30/2017 4:30:19 PM



#59
Diethylphthalate
Concen: 5.781 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	56319		
177	22.6		16.1	24.1
150	12.5		10.1	15.1



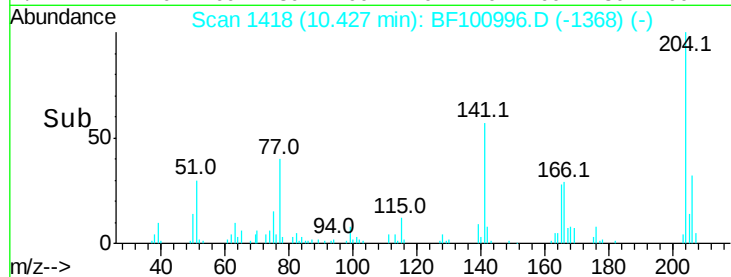
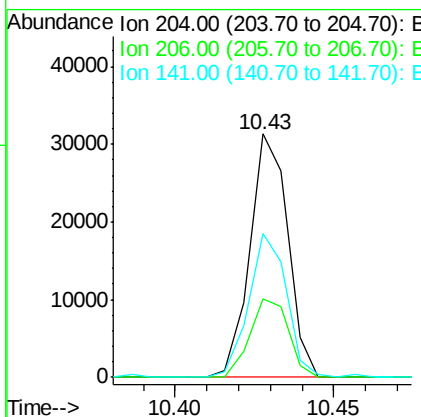
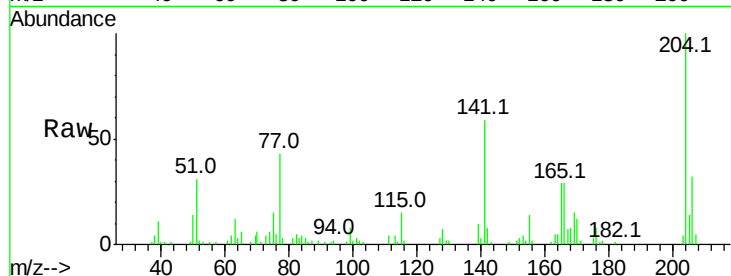


#60
 4-Chlorophenyl-phenylether
 Concen: 6.403 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127MSD

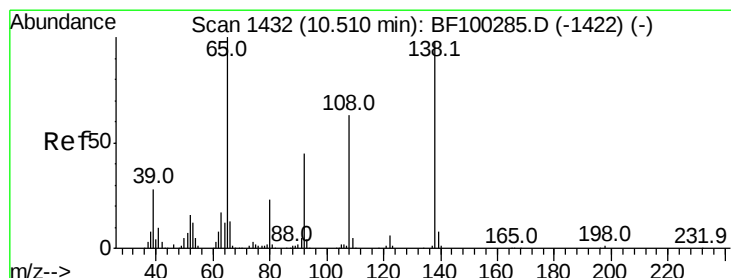
Tot Ion:	204	Resp:	26007
Ion Ratio	Lower	Upper	
204	100		
206	32.2	26.5	39.7
141	58.8	54.6	81.8

Manual Integrations
 APPROVED



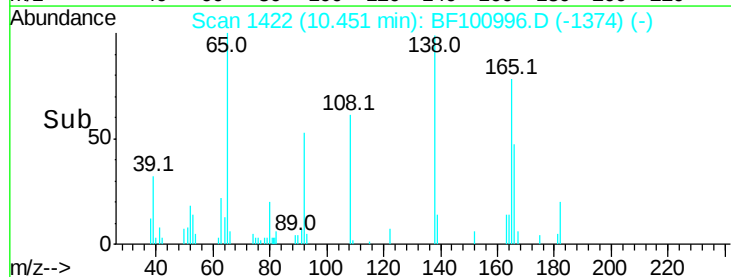
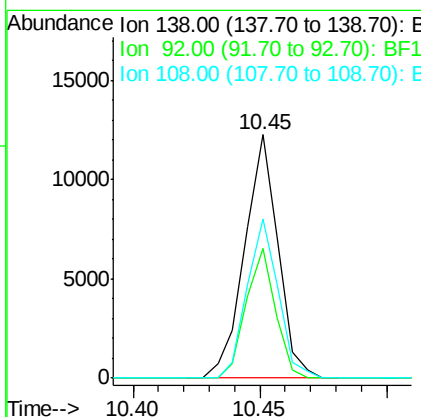
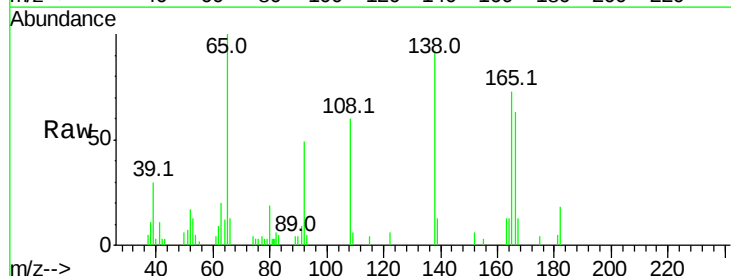
Sohil

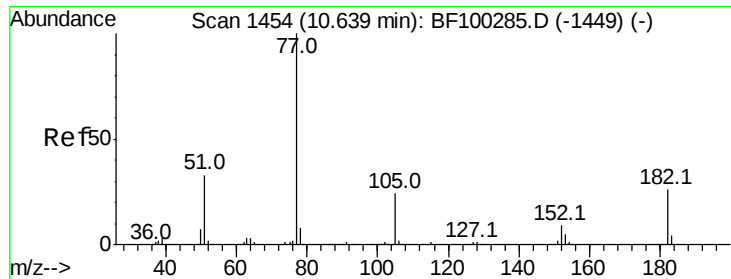
11/30/2017 4:30:19 PM



#61
 4-Nitroaniline
 Concen: 5.215 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Tgt Ion:	138	Resp:	11253
Ion Ratio	Lower	Upper	
138	100		
92	53.4	30.2	70.2
108	65.5	52.5	92.5





#62

Azobenzene

Concen: 4.764 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

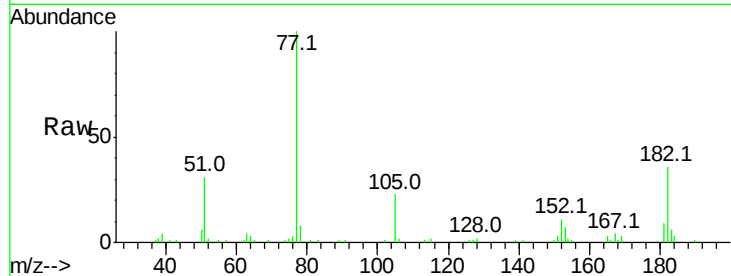
BNA_F

ClientSampleId :

SB-12(0-2)-20171127MSD

Tot Ion:	77	Resp:	43716
Ion	Ratio	Lower	Upper
77	100		
182	36.1	1.7	41.7
105	22.7	3.0	43.0
51	30.9	9.9	49.9

Manual Integrations
APPROVED

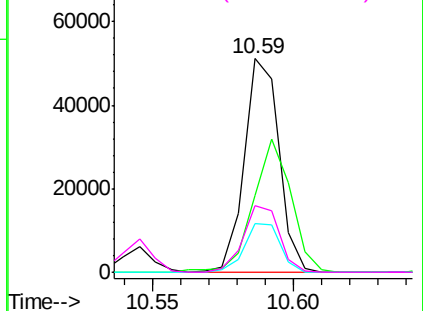


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

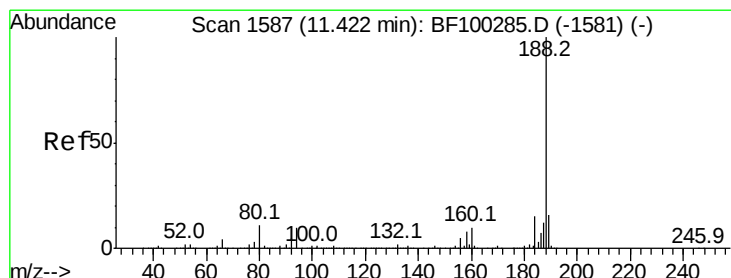
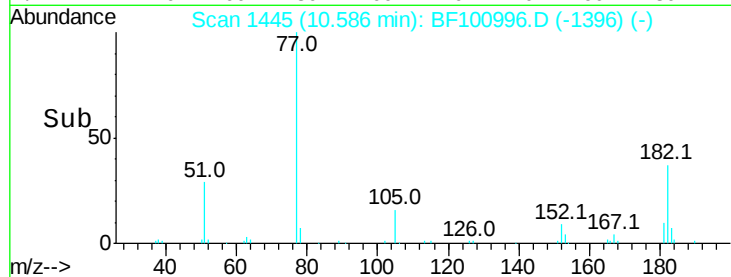
Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



Sohil

11/30/2017 4:30:19 PM



#63

Phenanthrene-d10

Concen: 20.000 ng

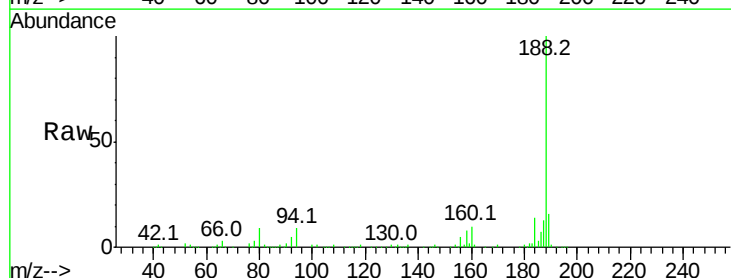
RT: 11.38 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

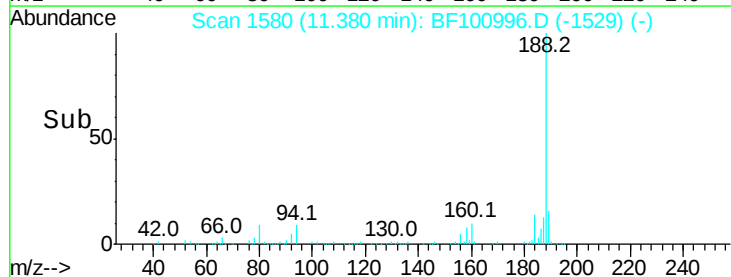
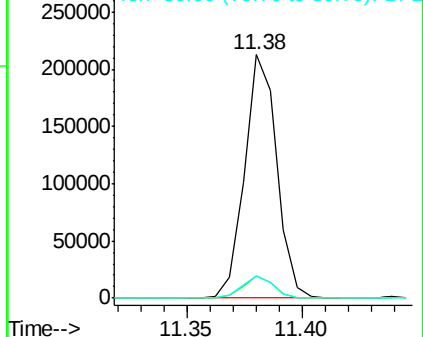
Tgt Ion:	188	Resp:	205998
Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	9.4	9.2	13.8

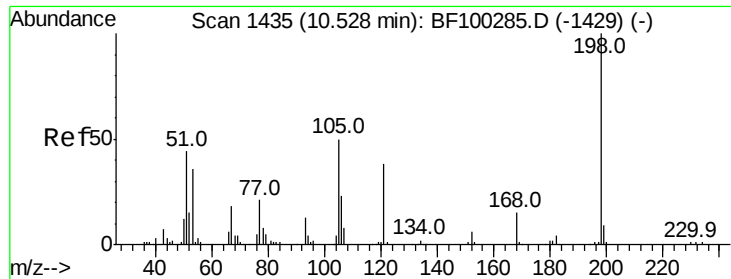


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



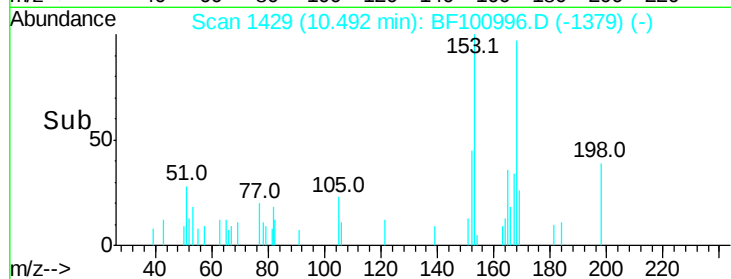
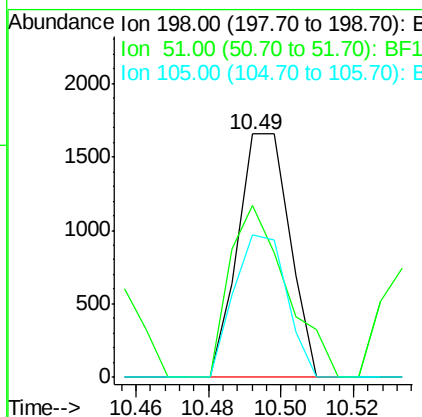
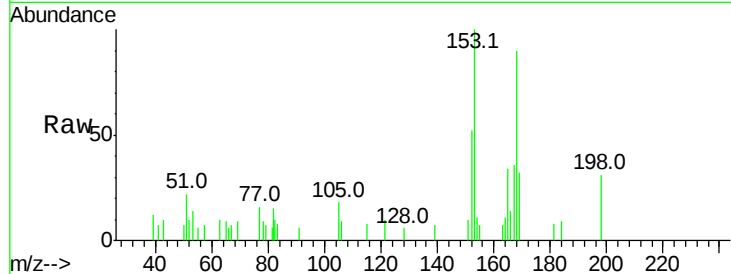


#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.864 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127MSD

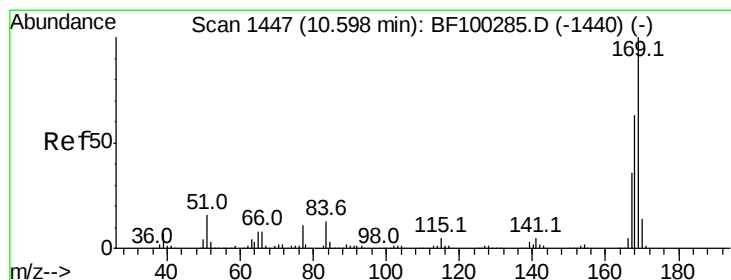
Tot Ion	Ratio	Lower	Upper
198	100		
51	70.7	37.7	77.7
105	58.5	36.3	76.3

Manual Integrations
 APPROVED



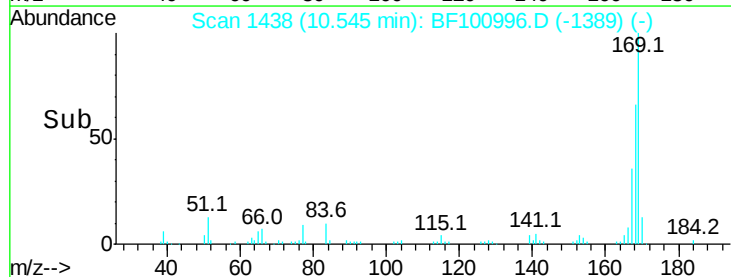
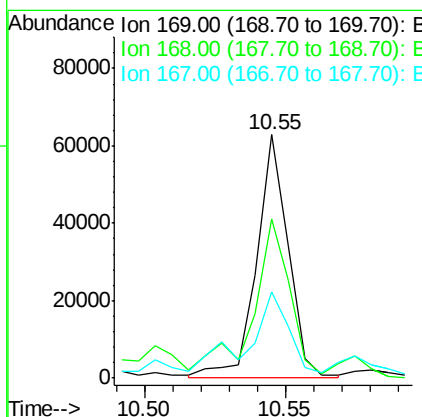
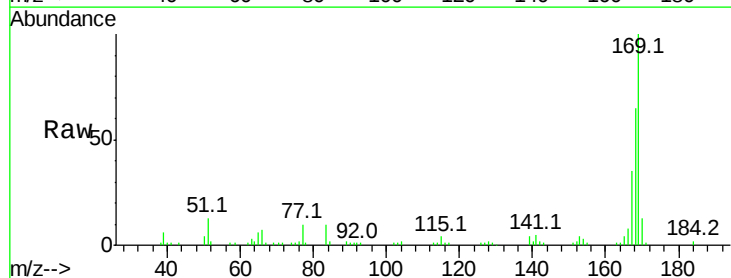
Sohil

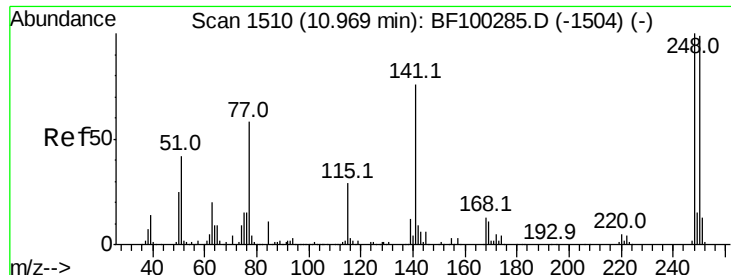
11/30/2017 4:30:19 PM



#65
 n-Nitrosodiphenylamine
 Concen: 6.840 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.2	54.4	81.6
167	35.5	29.8	44.6



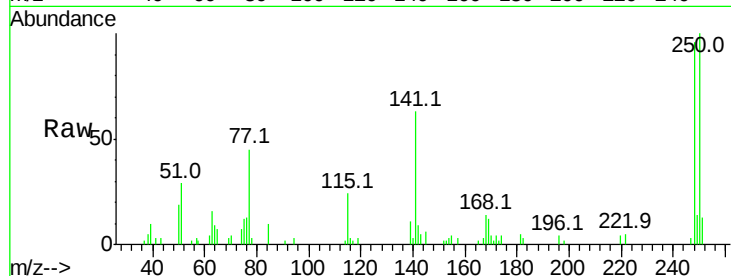


#66
4-Bromophenyl-phenylether
Concen: 6.794 ng
RT: 10.92 min Scan# 1502
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	103.6	76.9	115.3
141	65.1	74.4	111.6

Manual Integrations
APPROVED

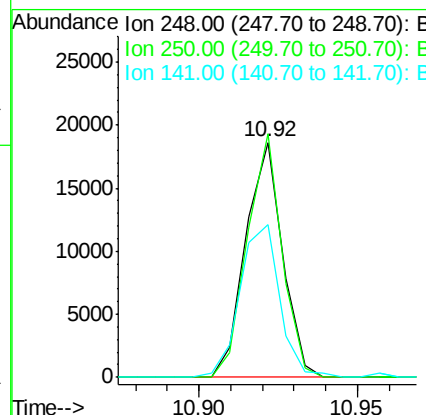
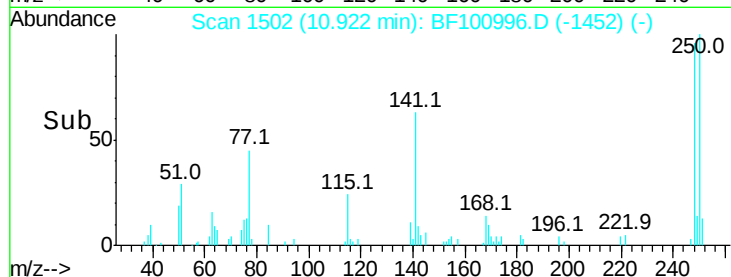


Abundance

Ion 248.00 (247.70 to 248.70): E

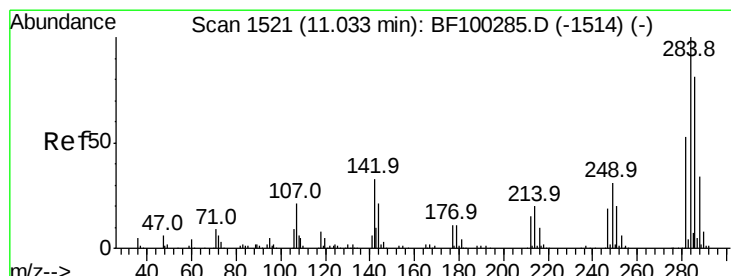
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



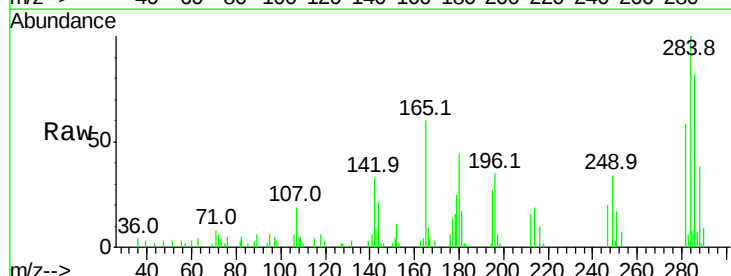
Sohil

11/30/2017 4:30:19 PM



#67
Hexachlorobenzene
Concen: 5.960 ng
RT: 10.99 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.8	34.6	52.0
249	33.7	24.8	37.2

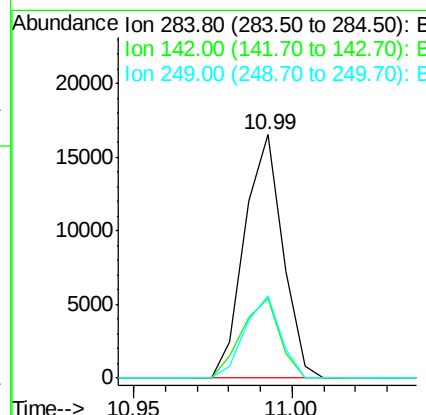
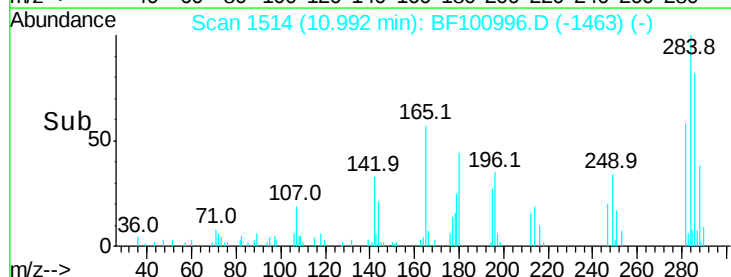


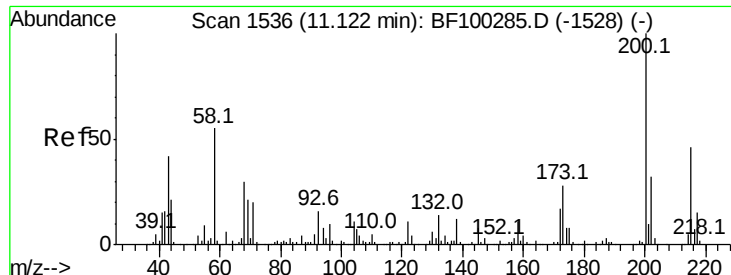
Abundance

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



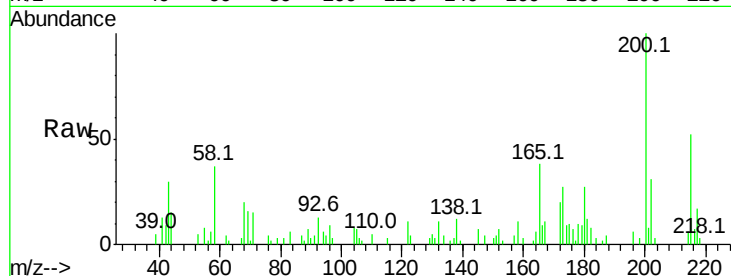


#68
Atrazine
Concen: 5.998 ng
RT: 11.07 min Scan# 1528
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

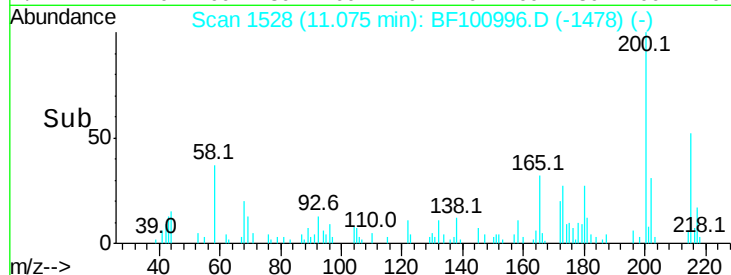
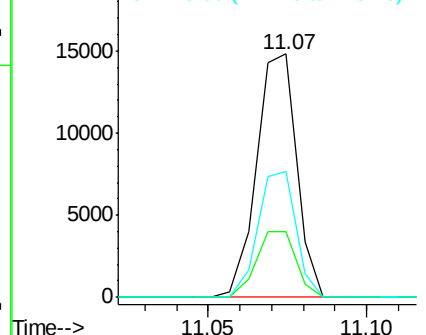
Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.0	8.6	48.6
215	51.5	25.1	65.1

Manual Integrations
APPROVED

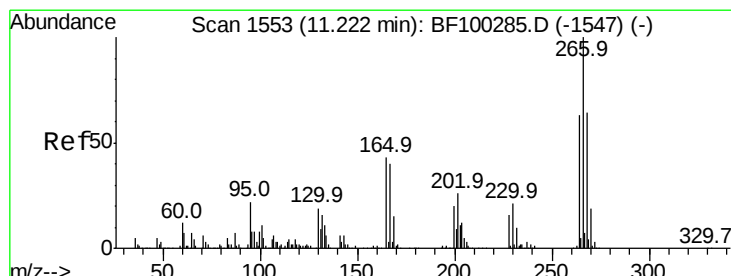


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



Sohil

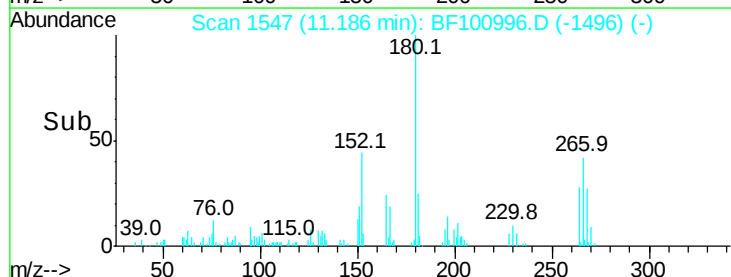
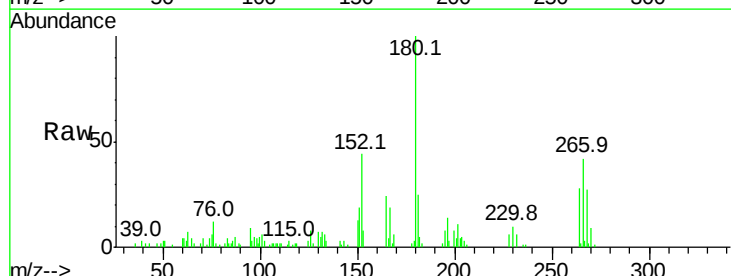
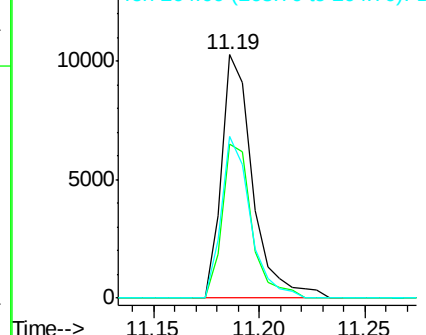
11/30/2017 4:30:19 PM

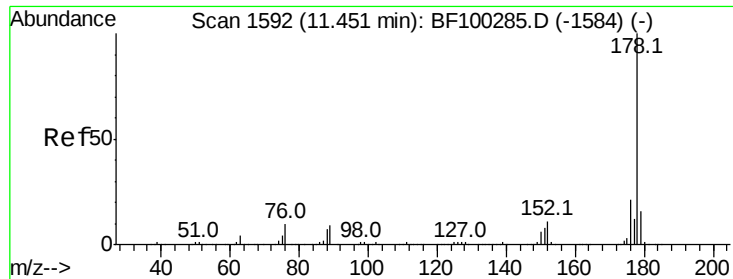


#69
Pentachlorophenol
Concen: 6.355 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.00 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.1	76.7
264	66.3	49.5	74.3

Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



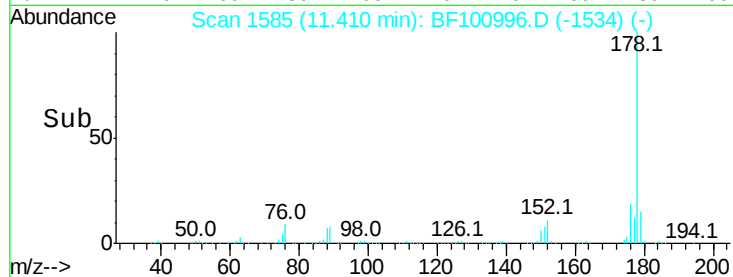
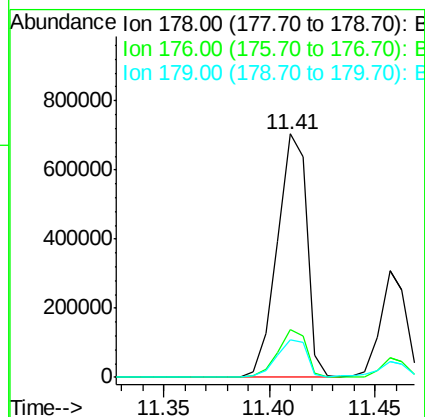
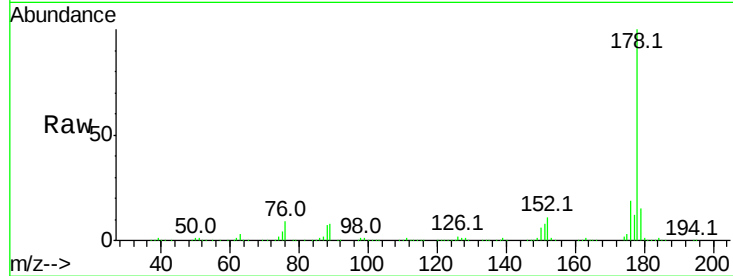


#70
Phenanthrene
Concen: 63.463 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

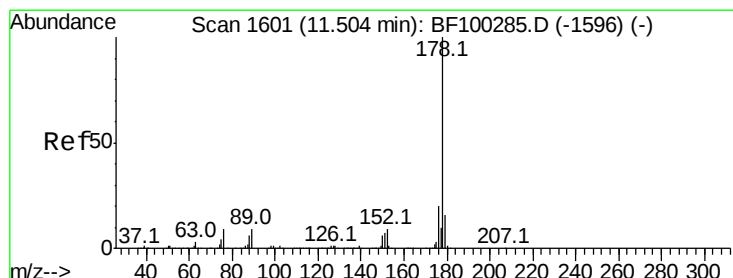
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.3	13.0	19.6

Manual Integrations
APPROVED



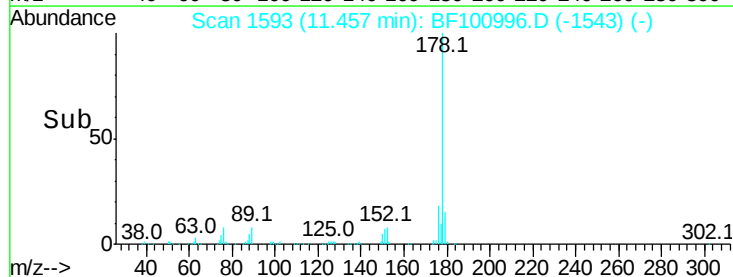
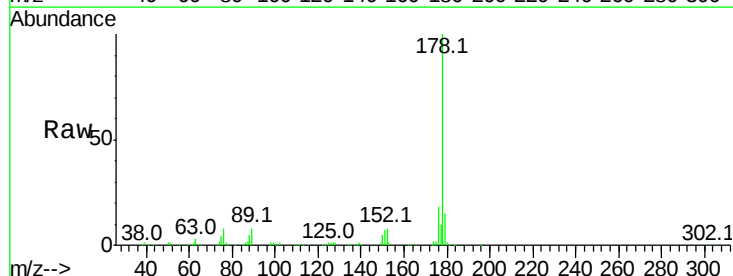
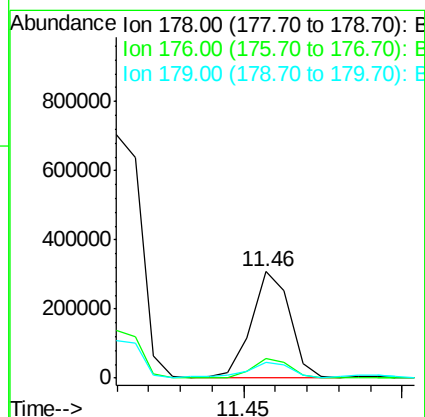
Sohil

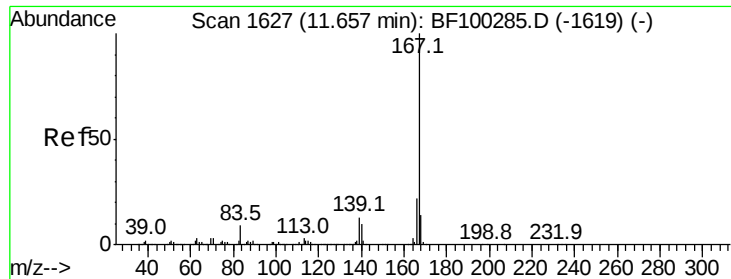
11/30/2017 4:30:19 PM



#71
Anthracene
Concen: 23.389 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.0	12.6	19.0



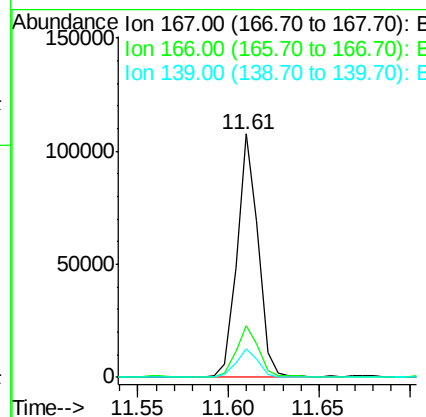
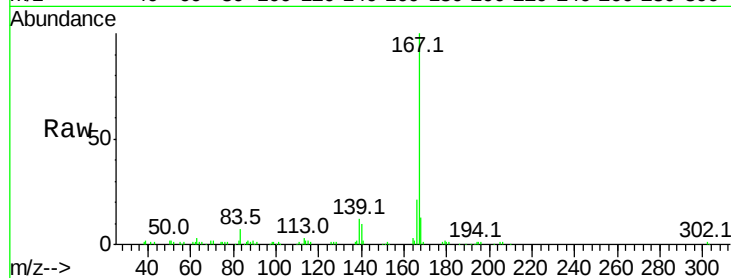


#72
 Carbazole
 Concen: 8.562 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127MSD

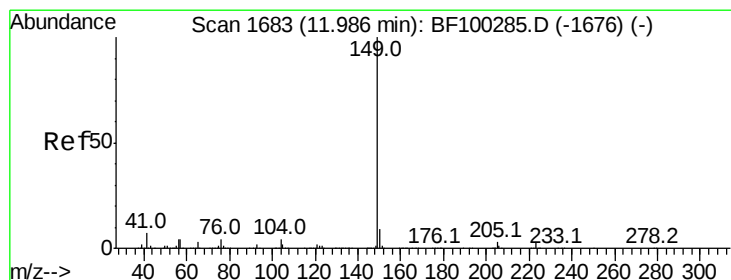
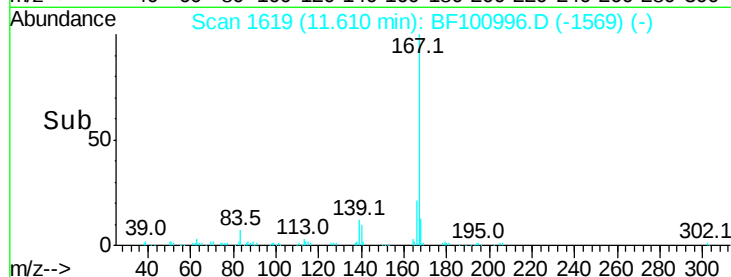
Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	21.0		17.6	26.4
139	11.9		10.9	16.3

Manual Integrations
 APPROVED



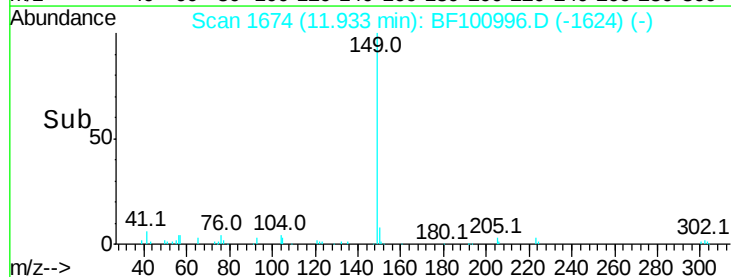
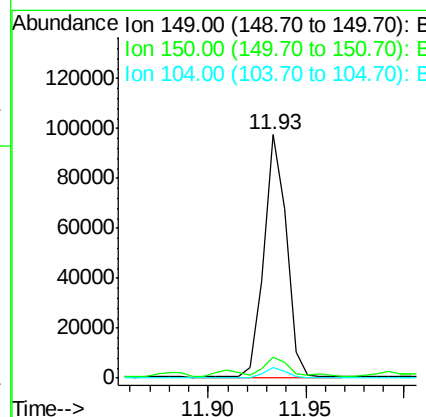
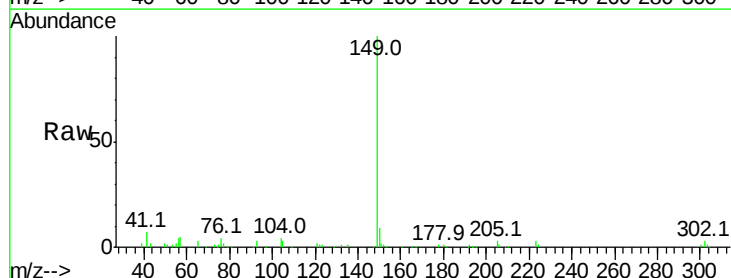
Sohil

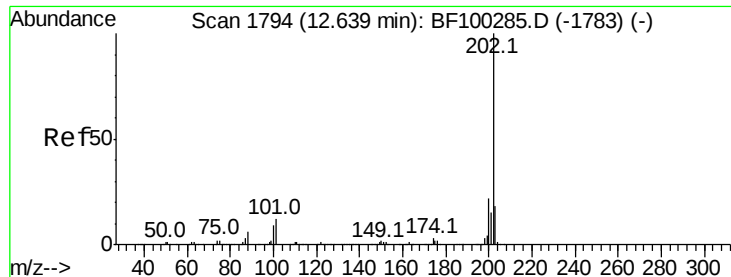
11/30/2017 4:30:19 PM



#73
 Di-n-butylphthalate
 Concen: 6.486 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	8.7		7.8	11.6
104	4.2		3.8	5.8





#74

Fluoranthene

Concen: 93.468 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

Instrument :

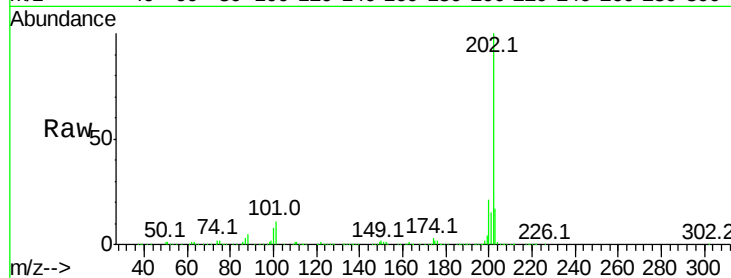
BNA_F

ClientSampleId :

SB-12(0-2)-20171127MSD

Tot Ion:	202	Resp:	1074399
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	34.1
203	17.0	0.0	38.1

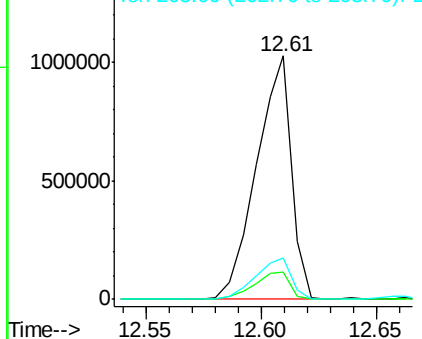
Manual Integrations
APPROVED



Abundance Ion 202.00 (201.70 to 202.70): E

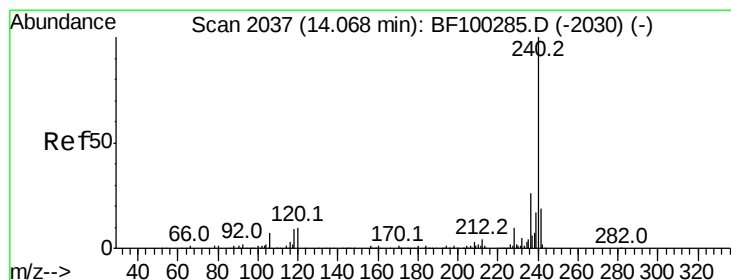
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Sohil

11/30/2017 4:30:19 PM



#75

Chrysene-d12

Concen: 20.000 ng

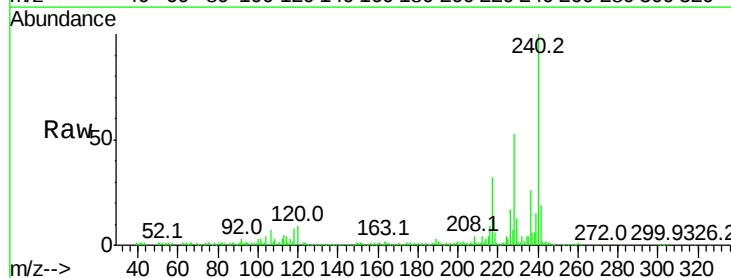
RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BF100996.D

Acq: 29 Nov 2017 23:25

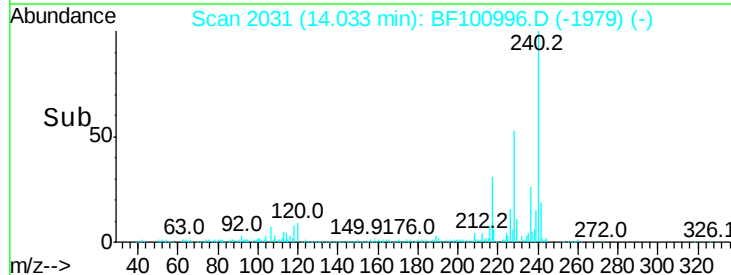
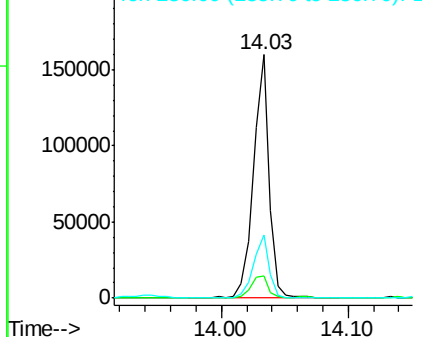
Tgt Ion:	240	Resp:	139313
Ion Ratio	Lower	Upper	
240	100		
120	9.4	9.5	14.3#
236	26.1	20.7	31.1

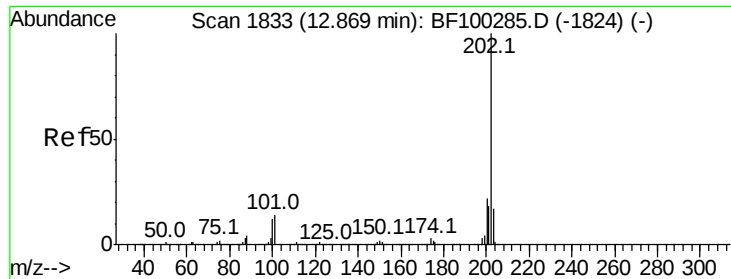


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



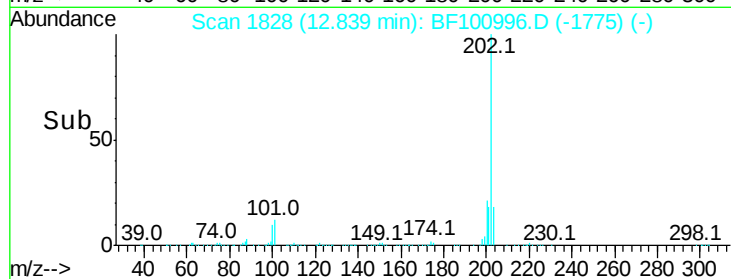
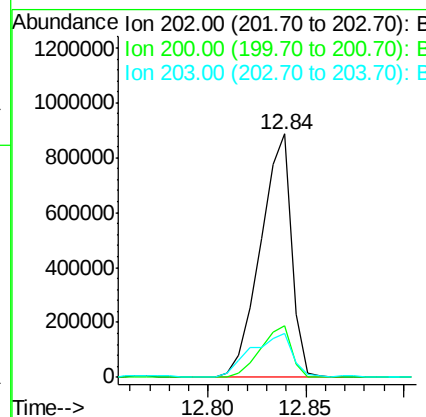
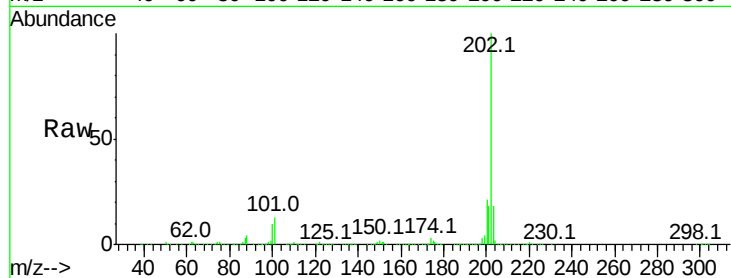


#77
Pvrene
Concen: 98.203 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

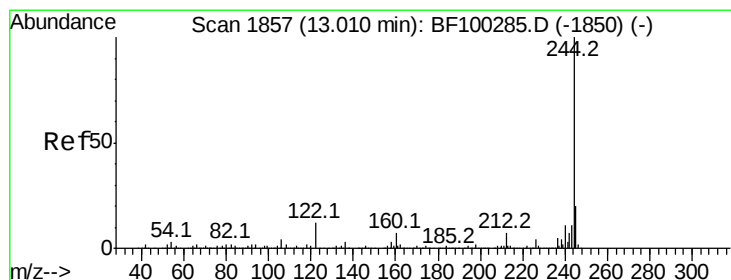
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.1	14.3	21.5

Manual Integrations
APPROVED



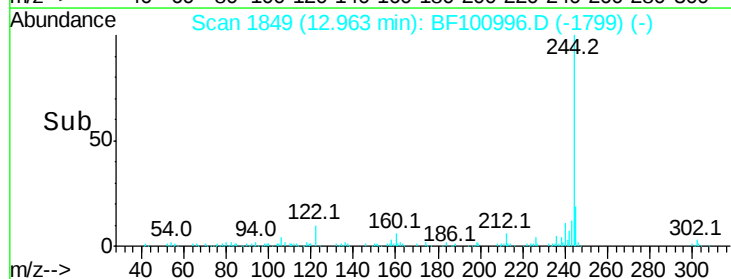
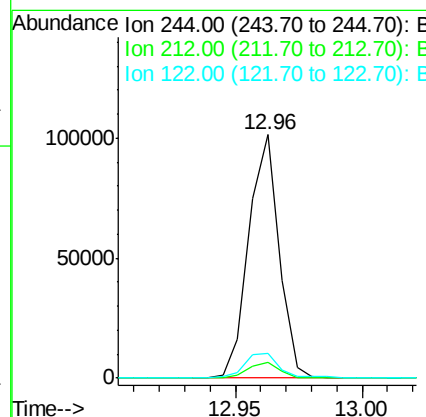
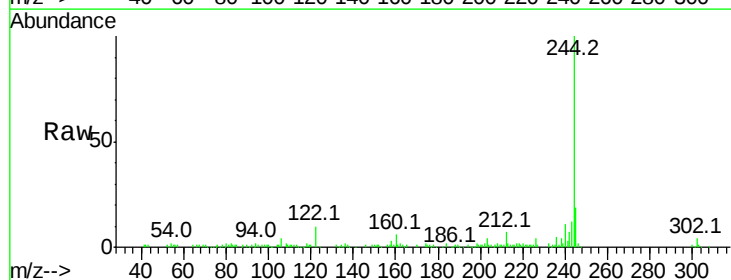
Sohil

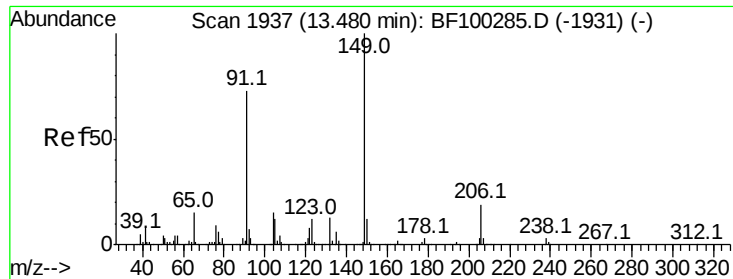
11/30/2017 4:30:19 PM



#78
Terphenyl-d14
Concen: 13.910 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.1	11.0	16.4#



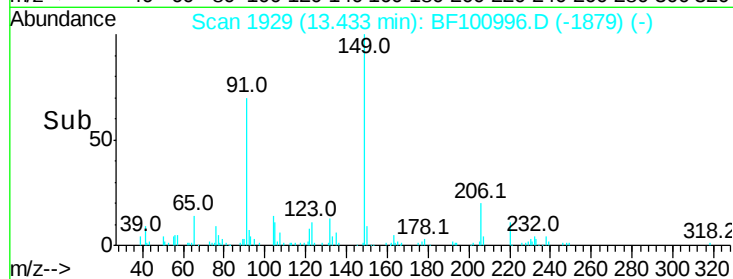
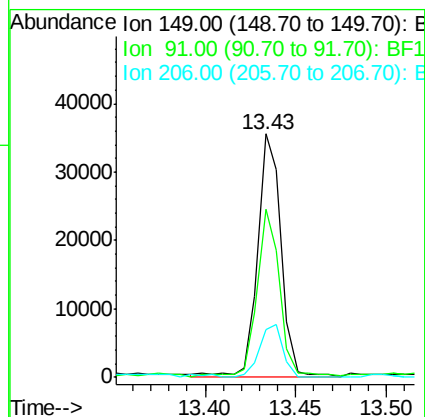
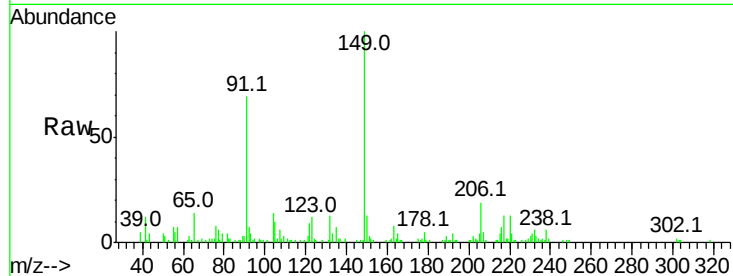


#79
Butylbenzylphthalate
Concen: 7.984 ng
RT: 13.43 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

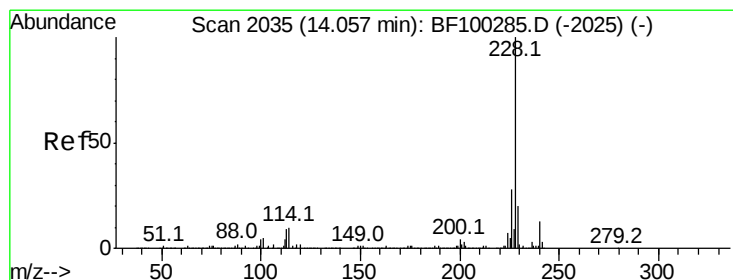
Tot Ion	Ratio	Lower	Upper
149	100		
91	69.0	56.8	85.2
206	19.5	14.1	21.1

Manual Integrations
APPROVED



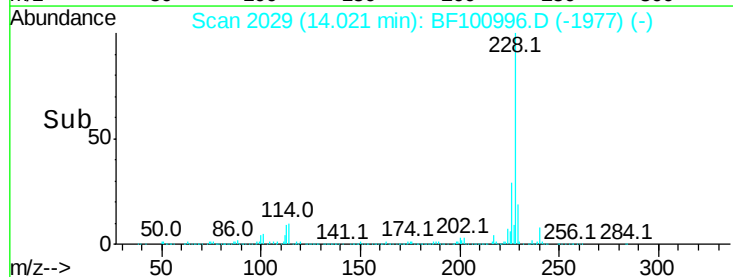
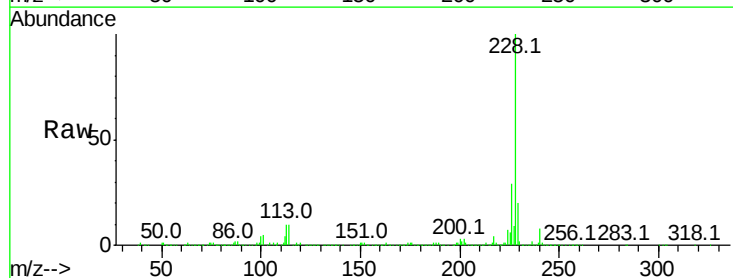
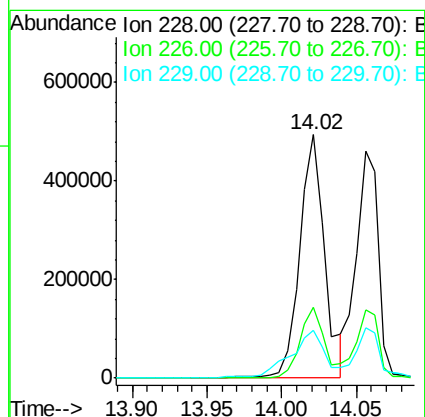
Sohil

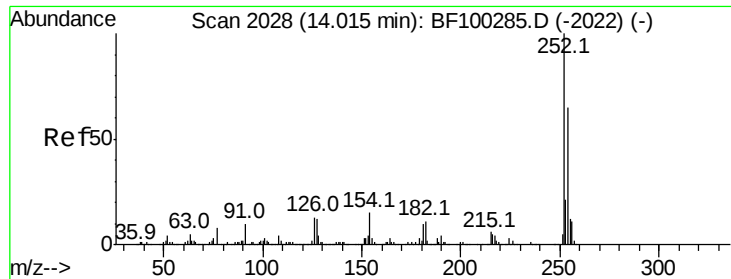
11/30/2017 4:30:19 PM



#80
Benzo(a)anthracene
Concen: 68.173 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	19.9	15.8	23.6



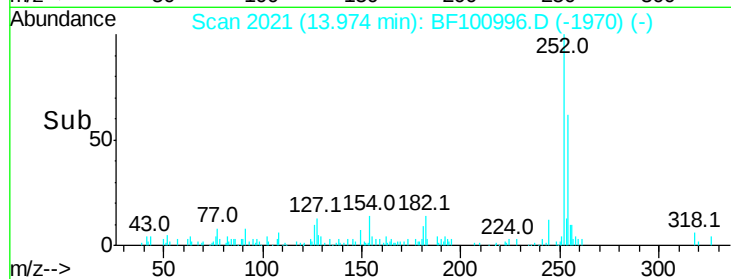
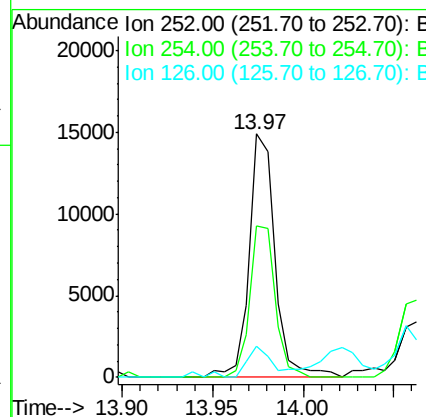
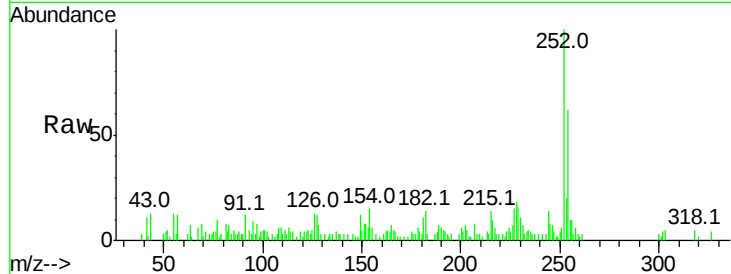


#81
 3,3'-Dichlorobenzidine
 Concen: 4.916 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127MSD

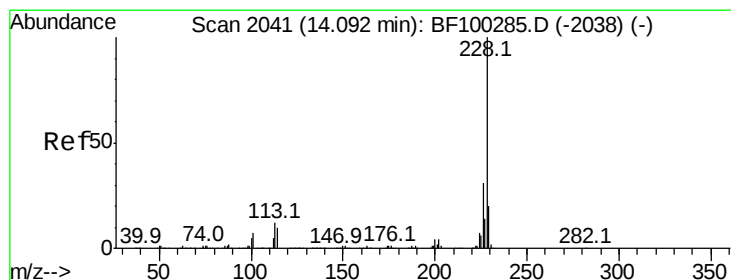
Tot Ion	Ratio	Lower	Upper
252	100		
254	62.3	50.4	75.6
126	12.6	11.3	16.9

Manual Integrations
 APPROVED



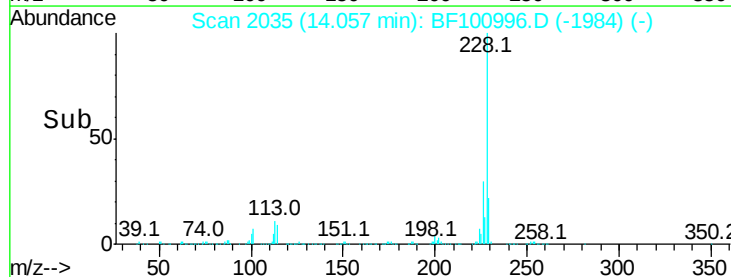
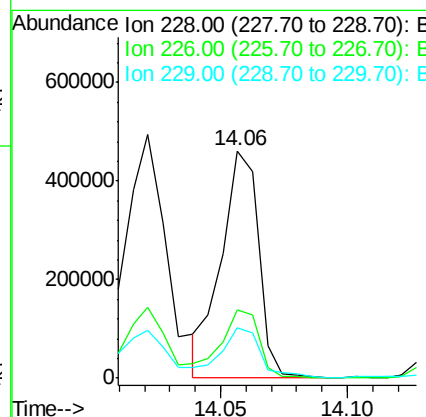
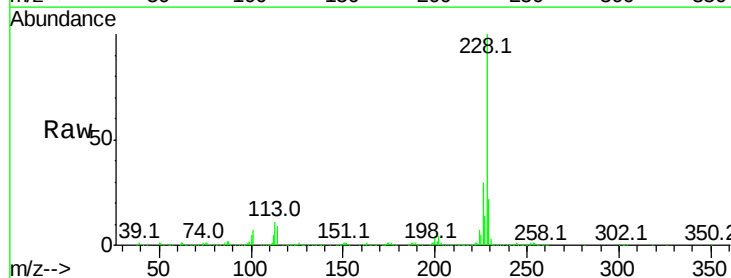
Sohil

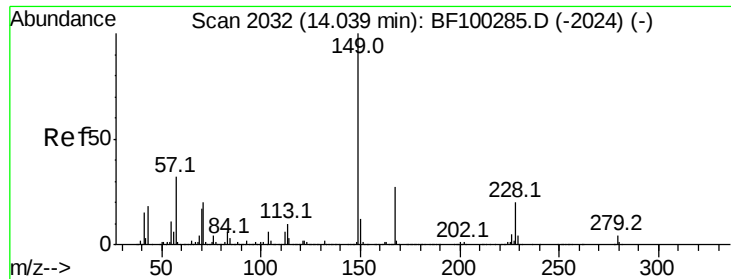
11/30/2017 4:30:19 PM



#82
 Chrysene
 Concen: 58.098 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.1	16.2	24.4



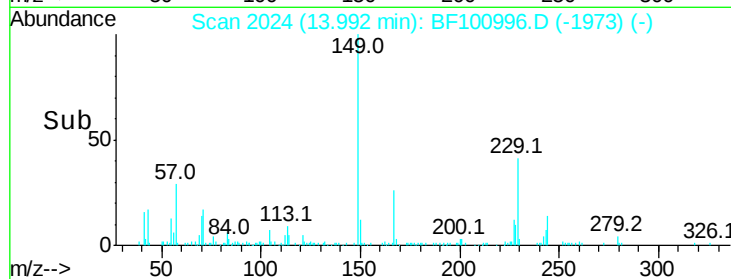
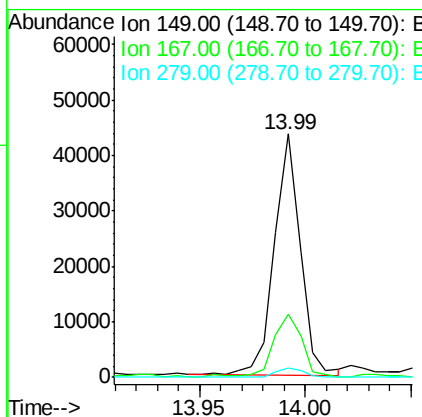
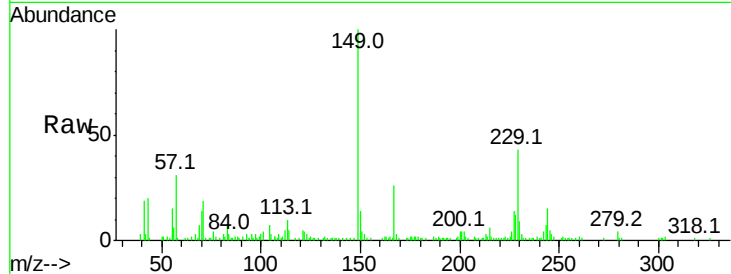


#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.006 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.00 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127MSD

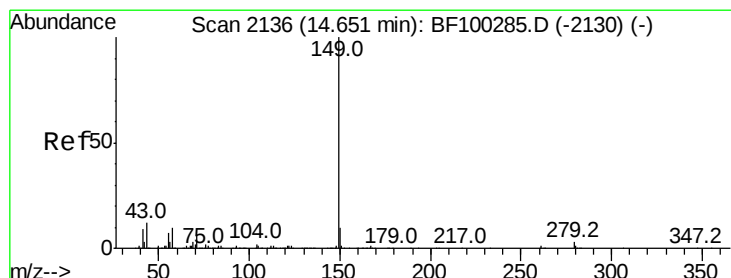
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.3	31.9
279	3.7	3.0	4.4

Manual Integrations
 APPROVED



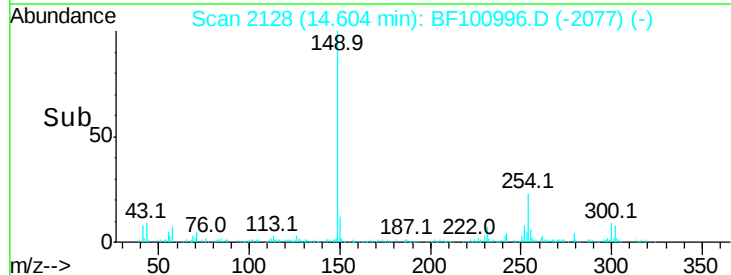
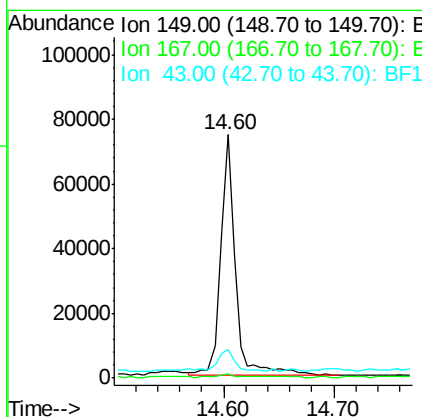
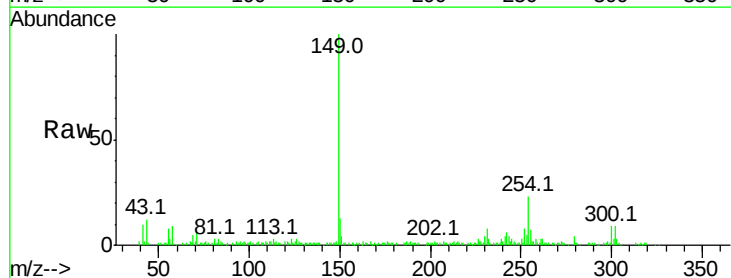
Sohil

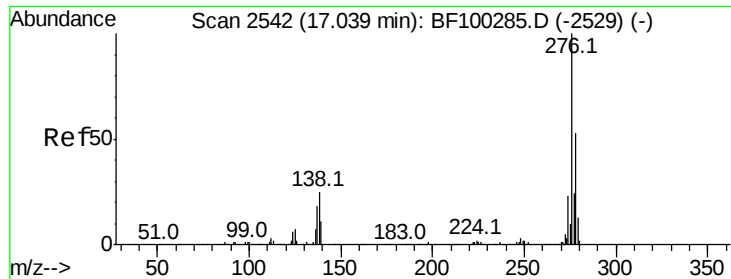
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#84
 Di-n-octyl phthalate
 Concen: 7.750 ng
 RT: 14.60 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
149	100		
167	2.9	1.2	1.8#
43	10.8	8.4	12.6



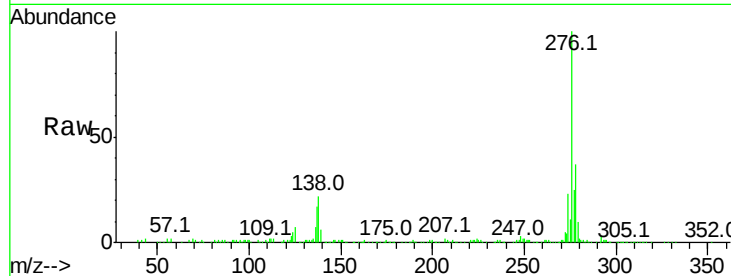


#85
Indeno(1,2,3-cd)pyrene
Concen: 40.858 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.02 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

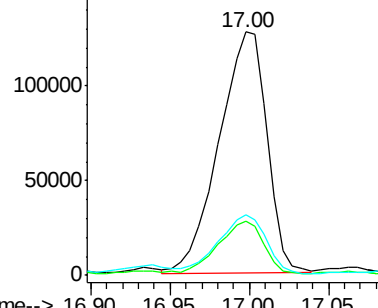
Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	25.0	37.6#
277	24.0	20.1	30.1

Manual Integrations
APPROVED

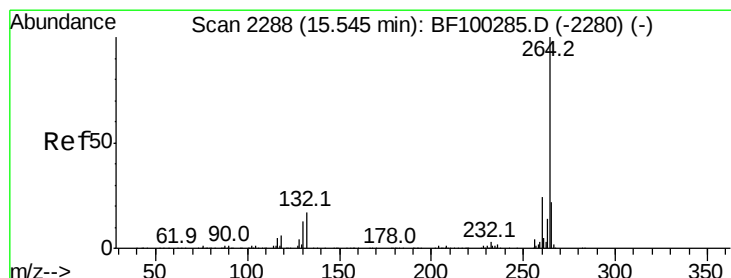
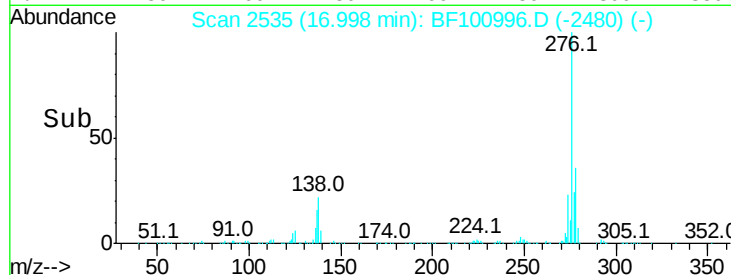


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



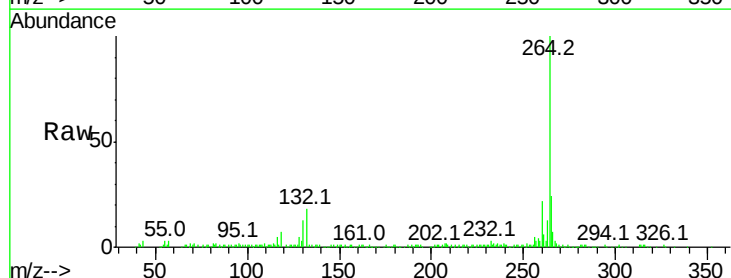
Sohil

11/30/2017 4:30:19 PM

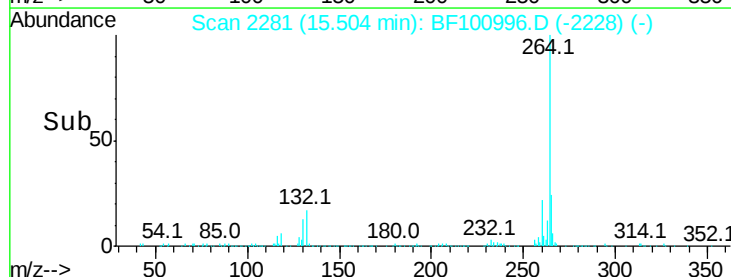
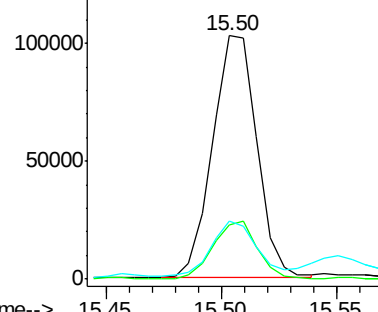


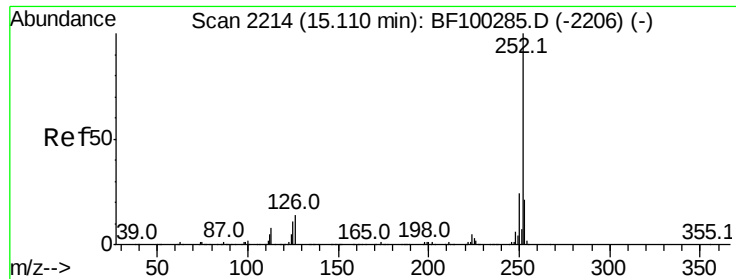
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.2	28.8
265	24.0	17.5	26.3



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



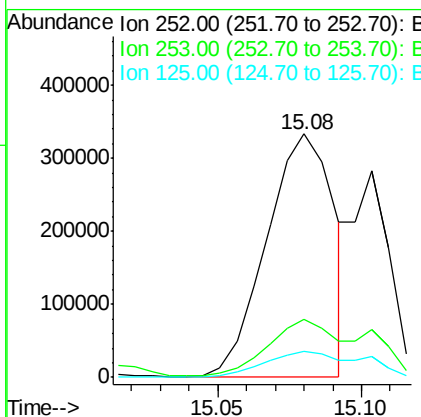
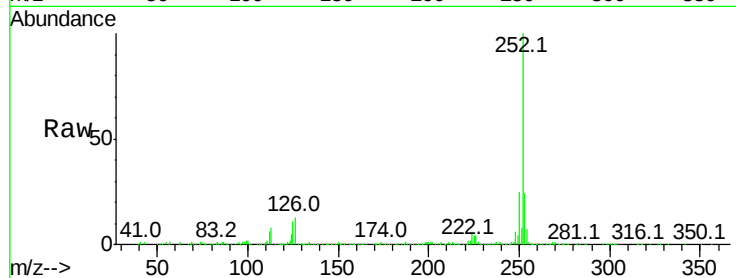


#87
Benzo(b)fluoranthene
Concen: 66.002 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.02 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

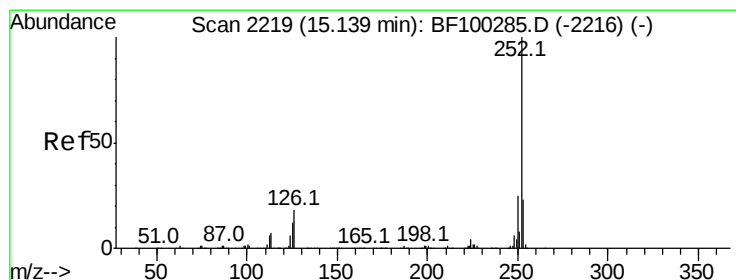
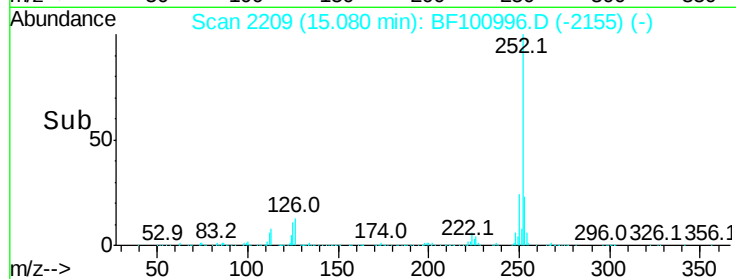
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	10.9	9.0	13.6

Manual Integrations
APPROVED



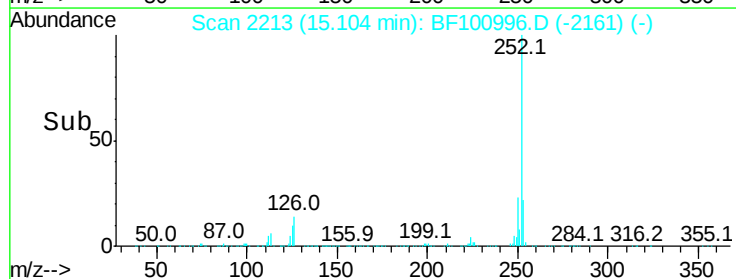
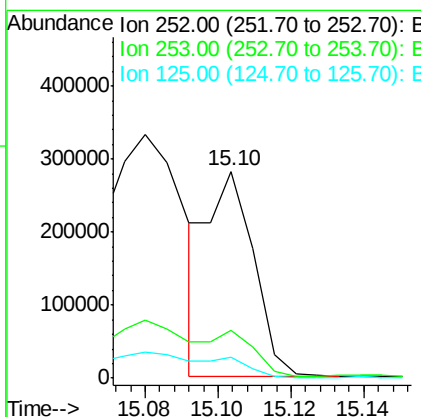
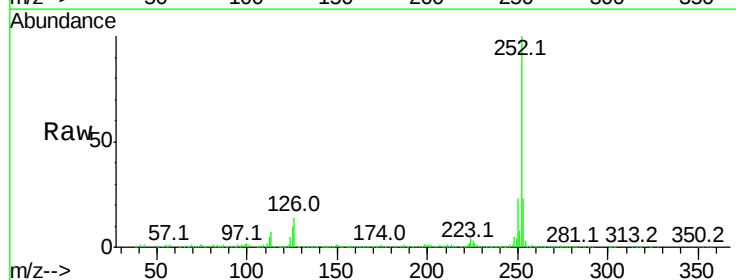
Sohil

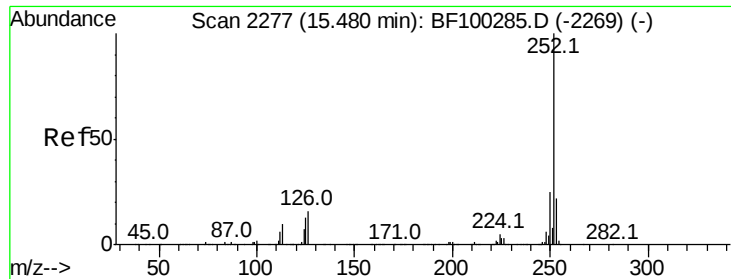
11/30/2017 4:30:19 PM



#88
Benzo(k)fluoranthene
Concen: 32.112 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	10.0	10.2	15.2#



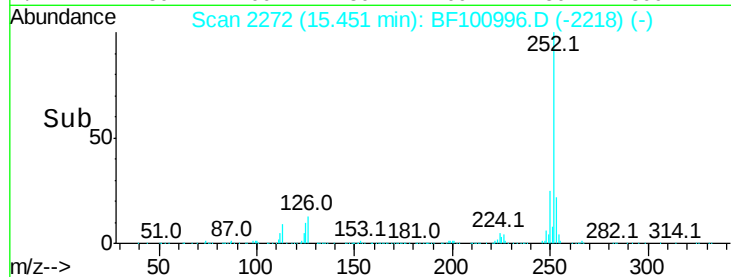
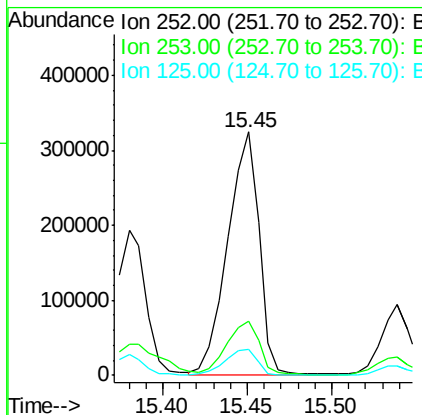
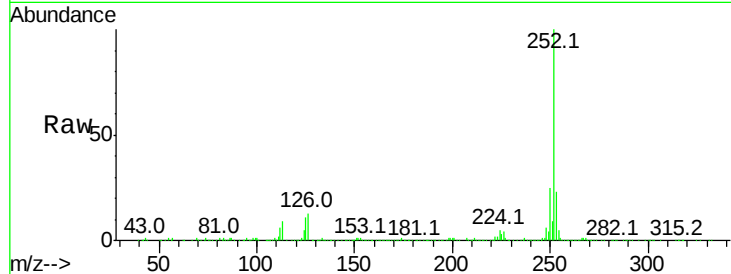


#89
Benzo(a)pyrene
Concen: 57.603 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.02 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127MSD

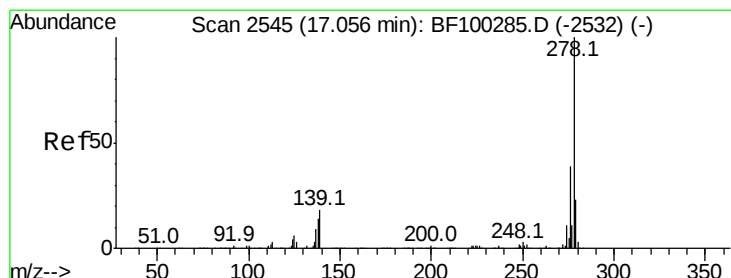
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	10.6	9.8	14.6

Manual Integrations
APPROVED



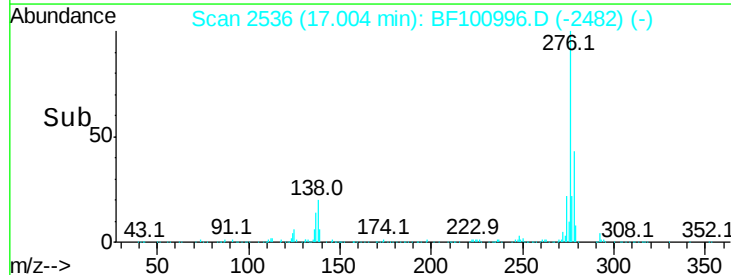
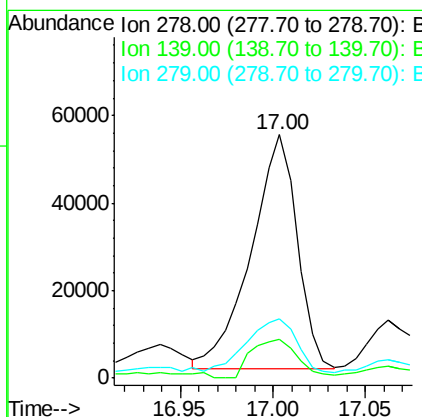
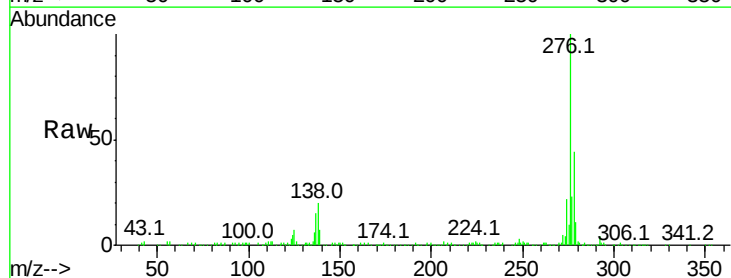
Sohil

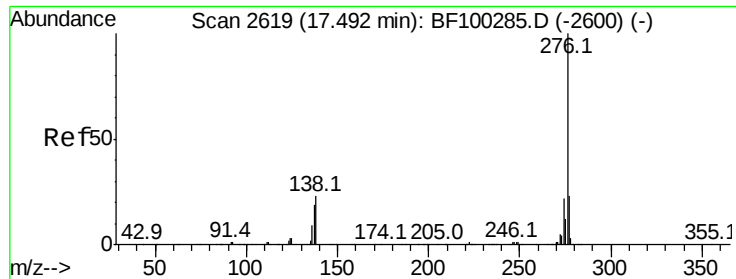
11/30/2017 4:30:19 PM



#90
Dibenzo(a,h)anthracene
Concen: 15.599 ng m
RT: 17.00 min Scan# 2536
Delta R.T. 0.02 min
Lab File: BF100996.D
Acq: 29 Nov 2017 23:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.9	15.9	23.9#
279	24.6	19.0	28.4



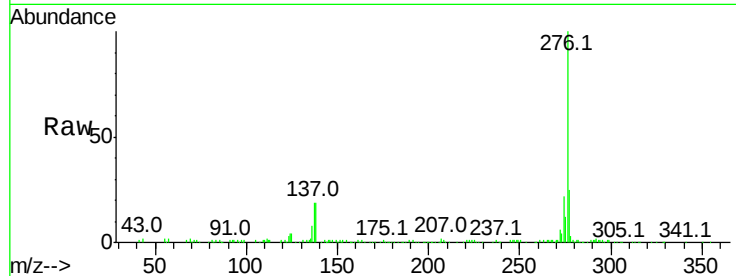


#91
 Benzo(a,h,i)perylene
 Concen: 40.908 ng
 RT: 17.45 min Scan# 2612
 Delta R.T. 0.03 min
 Lab File: BF100996.D
 Acq: 29 Nov 2017 23:25

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	19.0	21.8	32.8

Manual Integrations
 APPROVED

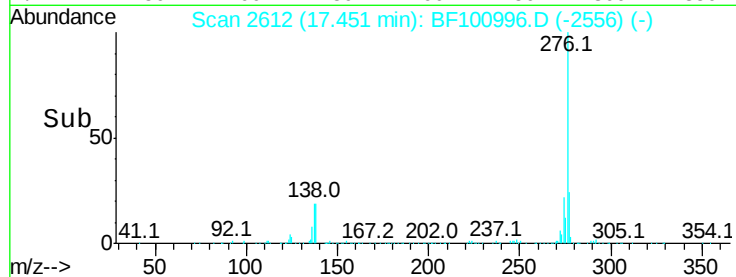
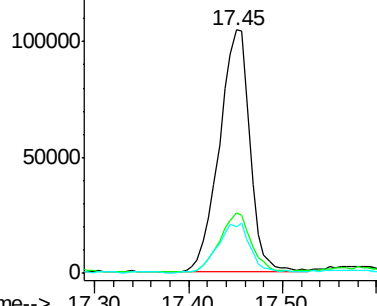


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Sohil

11/30/2017 4:30:19 PM