

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111017\
 Data File : BF100411.D
 Acq On : 11 Nov 2017 00:46
 Operator : SJ/JU
 Sample : I6332-03MSD
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S22-0029MSD

Manual Integrations
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 11/13/2017 4:43:35 PM

Quant Time: Nov 13 07:27:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 10 15:44:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	176077	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	681806	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	275816	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	426277	20.00	ng	0.00
75) Chrysene-d12	14.07	240	330092	20.00	ng	0.00
86) Perylene-d12	15.55	264	270720	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	558065	50.81	ng	0.00
7) Phenol-d6	6.53	99	524447	38.72	ng	0.00
23) Nitrobenzene-d5	7.47	82	999592	96.93	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	295606	105.18	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1630978	90.04	ng	0.00
78) Terphenyl-d14	13.01	244	1175000	81.79	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.75	88	89856	16.786	ng	96
3) Pyridine	3.54	79	131438	9.000	ng	94
4) n-Nitrosodimethylamine	3.46	42	118594	16.725	ng	98
6) Aniline	6.57	93	299365	15.644	ng	100
8) 2-Chlorophenol	6.69	128	437427	37.643	ng	99
9) Benzaldehyde	6.46	77	242917	25.112	ng	# 32
10) Phenol	6.54	94	232912	16.380	ng	99
11) bis(2-Chloroethyl)ether	6.64	93	525410	43.991	ng	94
12) 1,3-Dichlorobenzene	6.85	146	588626	43.936	ng	99
13) 1,4-Dichlorobenzene	6.92	146	589582	43.480	ng	99
14) 1,2-Dichlorobenzene	7.08	146	542375	43.261	ng	96
15) Benzyl Alcohol	7.05	79	288277	27.270	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.18	45	972072	50.887	ng	99
17) 2-Methylphenol	7.16	107	314131	31.634	ng	99
18) Hexachloroethane	7.42	117	186211	41.650	ng	98
19) n-Nitroso-di-n-propylamine	7.32	70	378269	40.269	ng	92
20) 3+4-Methylphenols	7.30	107	322669	25.678	ng	# 79
22) Acetophenone	7.32	105	890033	53.534	ng	98
24) Nitrobenzene	7.49	77	567168	53.434	ng	99
25) Isophorone	7.73	82	1053011	48.590	ng	99
26) 2-Nitrophenol	7.80	139	241054	48.388	ng	96
27) 2,4-Dimethylphenol	7.84	122	509233	52.418	ng	98
28) bis(2-Chloroethoxy)methane	7.93	93	702086	49.528	ng	98
29) 2,4-Dichlorophenol	8.05	162	401417	43.283	ng	97
30) 1,2,4-Trichlorobenzene	8.13	180	454117	45.267	ng	97
31) Naphthalene	8.21	128	1432164	43.611	ng	99
32) Benzoic acid	7.93	122	71027	17.054	ng	# 82
33) 4-Chloroaniline	8.26	127	269947	19.748	ng	98
34) Hexachlorobutadiene	8.32	225	258888	43.403	ng	98
35) Caprolactam	8.66	113	20635m	6.483	ng	
36) 4-Chloro-3-methylphenol	8.73	107	388471	39.001	ng	100
37) 2-Methylnaphthalene	8.90	142	927622	42.547	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	426664	46.643	ng	97
40) Hexachlorocyclopentadiene	9.05	237	66704	15.494	ng	99

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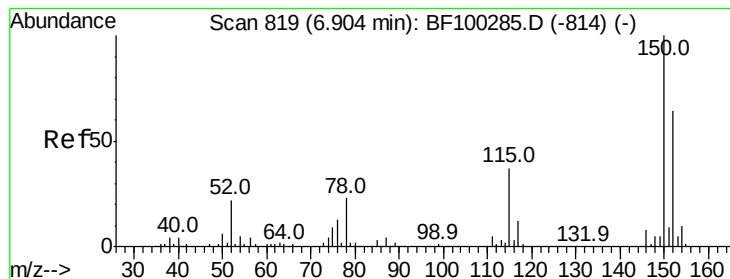
Manual Integrations
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	279886	48.277	ng	98
43) 2,4,5-Trichlorophenol	9.22	196	284177	47.310	ng	93
45) 1,1'-Biphenyl	9.36	154	1083379	45.415	ng	100
46) 2-Chloronaphthalene	9.39	162	833482	48.161	ng	97
47) 2-Nitroaniline	9.49	65	281480	54.636	ng	96
48) Acenaphthylene	9.81	152	1233756	43.018	ng	99
49) Dimethylphthalate	9.66	163	1054741	50.085	ng	99
50) 2,6-Dinitrotoluene	9.73	165	213017	51.102	ng	94
51) Acenaphthene	9.98	154	734724	42.122	ng	100
52) 3-Nitroaniline	9.89	138	170494	34.637	ng	98
53) 2,4-Dinitrophenol	9.99	184	22365	23.137	ng #	32
54) Dibenzofuran	10.15	168	1079063	44.139	ng	98
55) 4-Nitrophenol	10.05	139	113047	28.284	ng	96
56) 2,4-Dinitrotoluene	10.13	165	256611	48.797	ng #	94
57) Fluorene	10.49	166	754973	42.156	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.26	232	215928	43.862	ng #	86
59) Diethylphthalate	10.36	149	977025	46.361	ng	97
60) 4-Chlorophenyl-phenylether	10.48	204	400736	45.613	ng	94
61) 4-Nitroaniline	10.51	138	191535	41.036	ng	91
62) Azobenzene	10.65	77	868494	43.756	ng	94
64) 4,6-Dinitro-2-methylphenol	10.53	198	19289	15.932	ng	80
65) n-Nitrosodiphenylamine	10.60	169	765118	51.620	ng	96
66) 4-Bromophenyl-phenylether	10.97	248	248283	54.333	ng #	83
67) Hexachlorobenzene	11.04	284	242581	50.757	ng #	85
68) Atrazine	11.13	200	235347	52.454	ng	97
69) Pentachlorophenol	11.23	266	246011	71.786	ng	97
70) Phenanthrene	11.46	178	1047578	46.675	ng	99
71) Anthracene	11.50	178	1073002	47.122	ng	100
72) Carbazole	11.66	167	951700	45.296	ng	99
73) Di-n-butylphthalate	11.99	149	1320126	53.691	ng	99
74) Fluoranthene	12.64	202	1055995	44.395	ng	96
76) Benzidine	12.76	184	262386	19.848	ng	98
77) Pyrene	12.87	202	1082840	46.019	ng	100
79) Butylbenzylphthalate	13.49	149	498990	52.000	ng	93
80) Benzo(a)anthracene	14.06	228	959420	48.265	ng	100
81) 3,3'-Dichlorobenzidine	14.02	252	321290	45.112	ng #	98
82) Chrysene	14.10	228	914789	47.524	ng	99
83) Bis(2-ethylhexyl)phthalate	14.04	149	685473	54.312	ng	99
84) Di-n-octyl phthalate	14.65	149	1182817	54.553	ng	99
85) Indeno(1,2,3-cd)pyrene	17.04	276	689522	44.286	ng	96
87) Benzo(b)fluoranthene	15.12	252	787039	49.071	ng	98
88) Benzo(k)fluoranthene	15.14	252	770643	50.853	ng	99
89) Benzo(a)pyrene	15.49	252	699834	49.219	ng	98
90) Dibenzo(a,h)anthracene	17.07	278	574431	49.399	ng	98
91) Benzo(g,h,i)perylene	17.50	276	577171	50.705	ng	96

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



#1

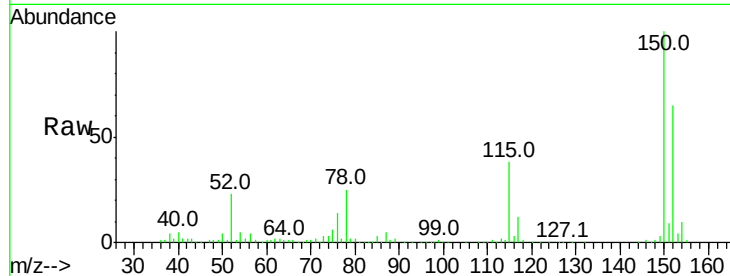
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

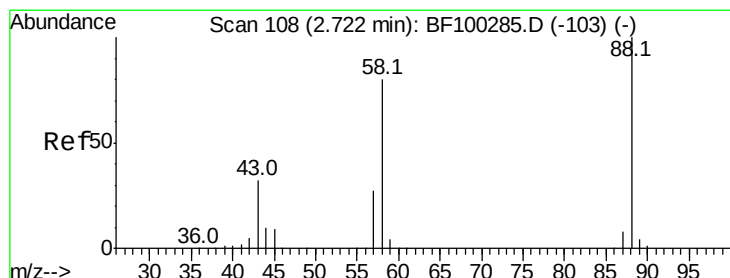
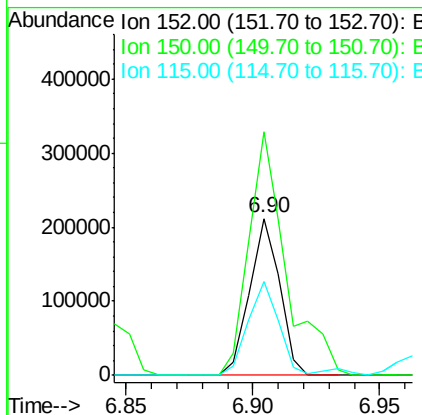
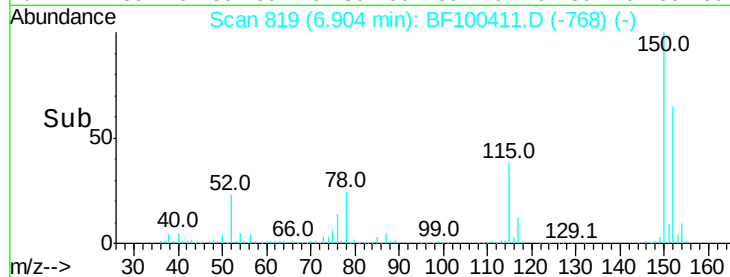
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	59.4	50.1	75.1

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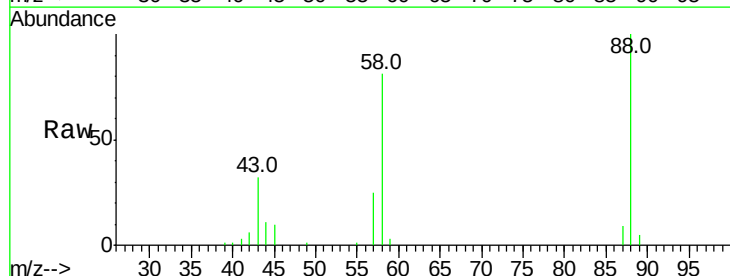
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



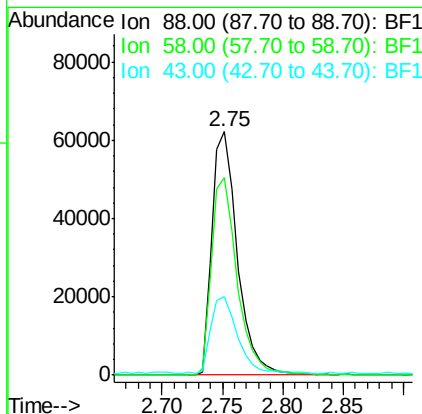
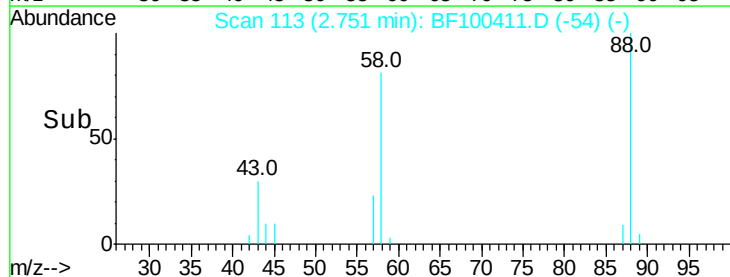
#2

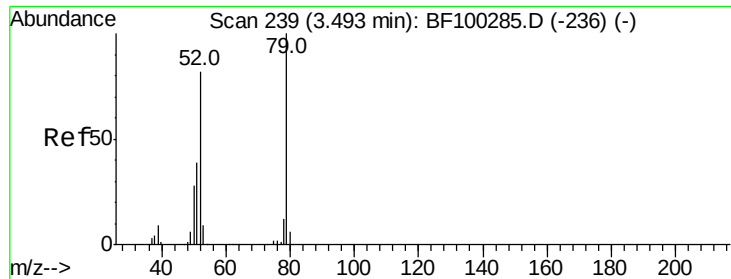
1,4-Dioxane
Concen: 16.786 ng
RT: 2.75 min Scan# 113
Delta R.T. 0.05 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Lower	Upper
88	100		
58	82.2	62.6	93.8
43	32.7	24.6	37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





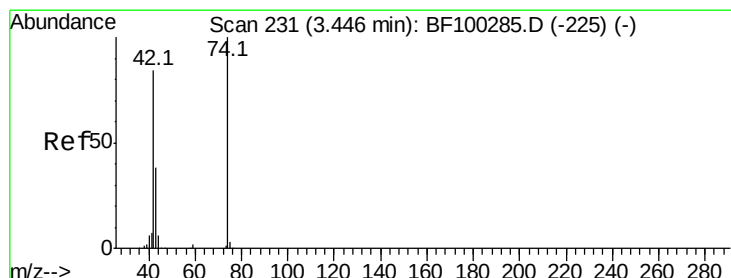
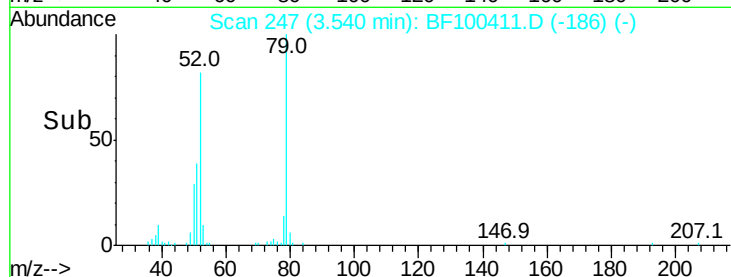
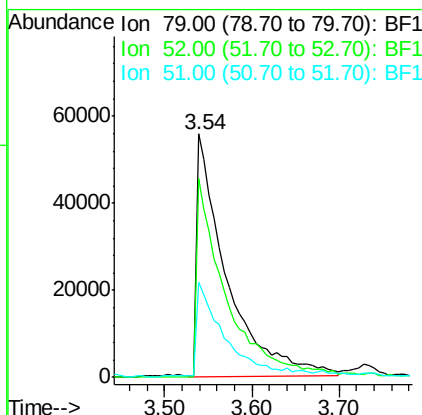
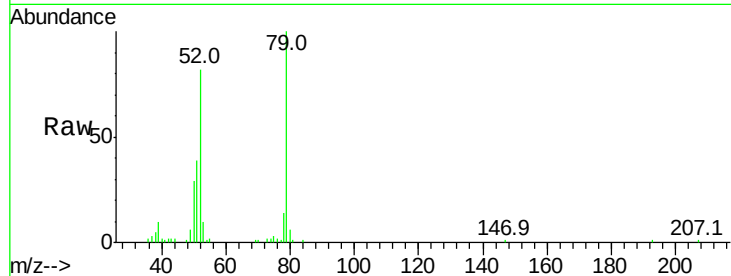
#3
Pvridine
Concen: 9.000 ng
RT: 3.54 min Scan# 247
Delta R.T. 0.06 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	81.5	59.8	89.6
51	39.0	29.8	44.8

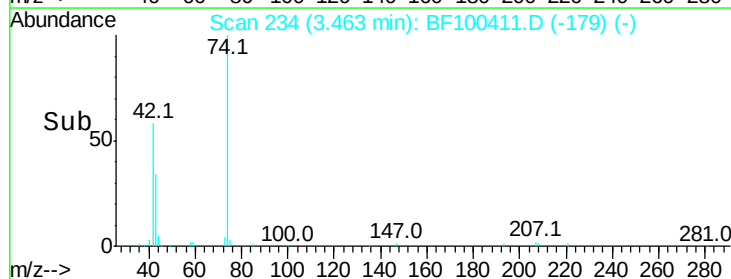
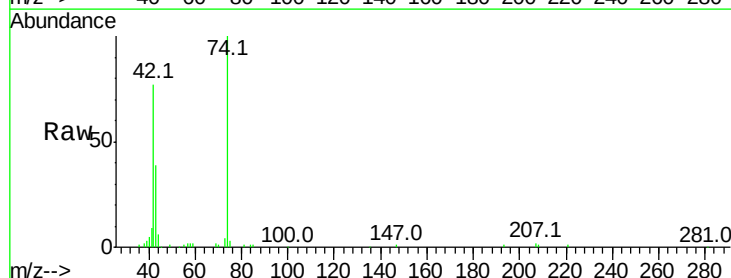
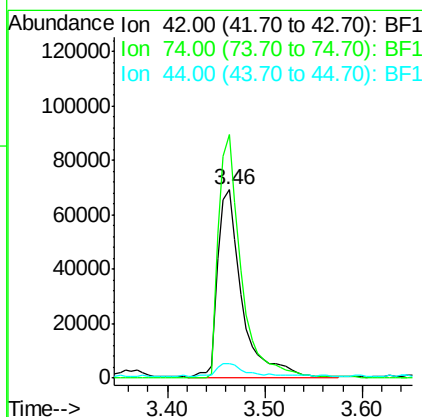
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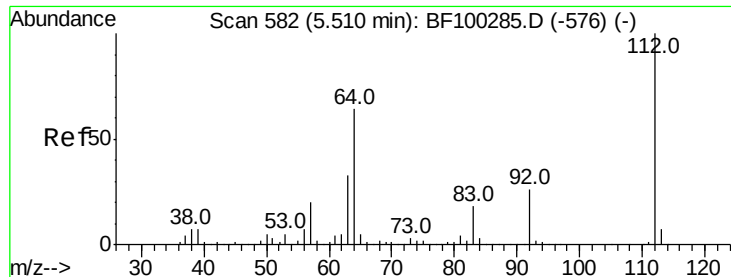
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#4
n-Nitrosodimethylamine
Concen: 16.725 ng
RT: 3.46 min Scan# 234
Delta R.T. 0.02 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Lower	Upper
42	100		
74	129.4	104.9	157.3
44	7.4	6.9	10.3





#5

2-Fluorophenol

Concen: 50.806 ng

RT: 5.52 min Scan# 584

Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

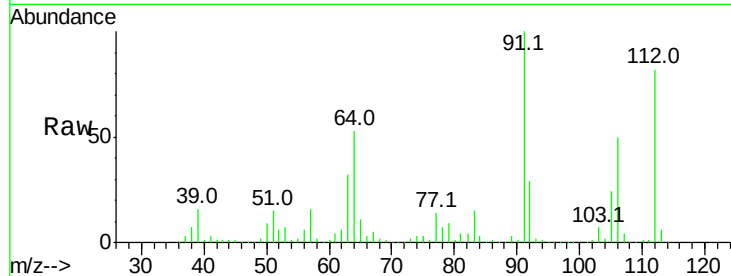
ClientSampled :

S22-0029MSD

Tot Ion:	112	Resp:	558065
Ion Ratio	Lower	Upper	
112	100		
64	64.3	47.9	71.9
63	39.1	23.7	35.5#

Manual Integrations
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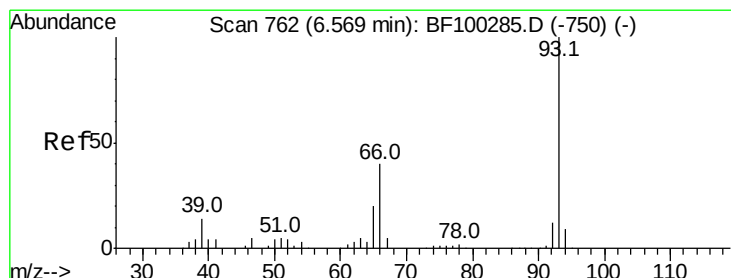
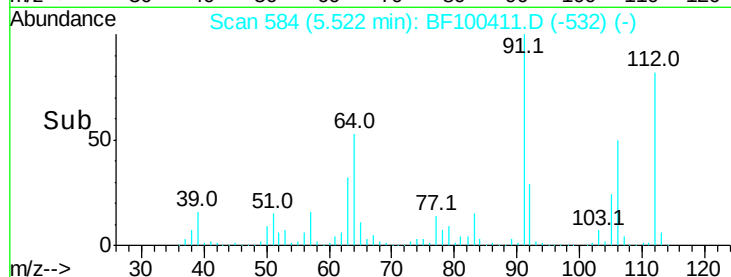
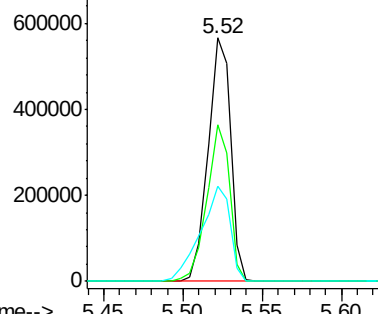
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 15.644 ng

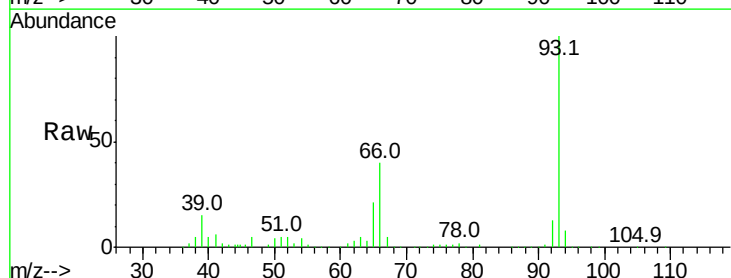
RT: 6.57 min Scan# 762

Delta R.T. -0.00 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

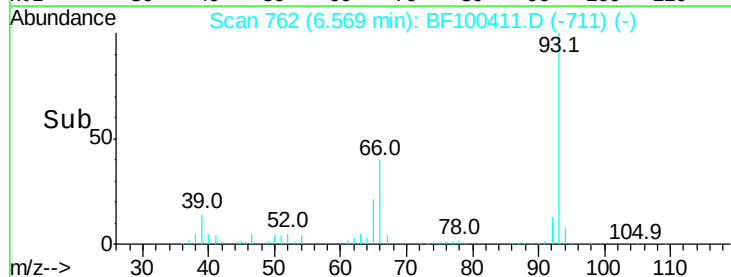
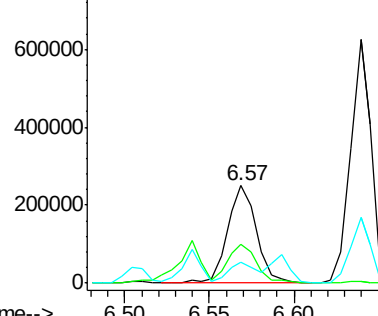
Tgt Ion:	93	Resp:	299365
Ion Ratio	Lower	Upper	
93	100		
66	40.1	32.2	48.2
65	20.9	16.4	24.6

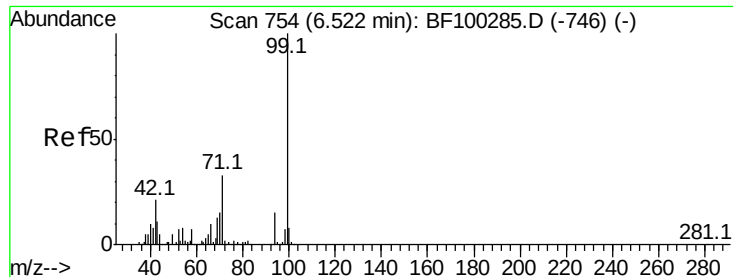


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 38.719 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

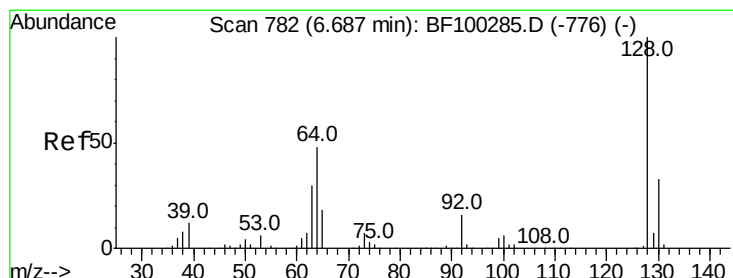
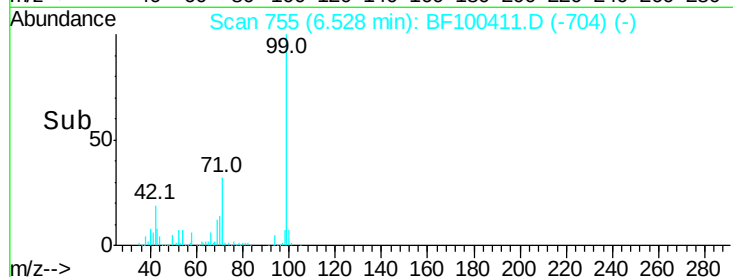
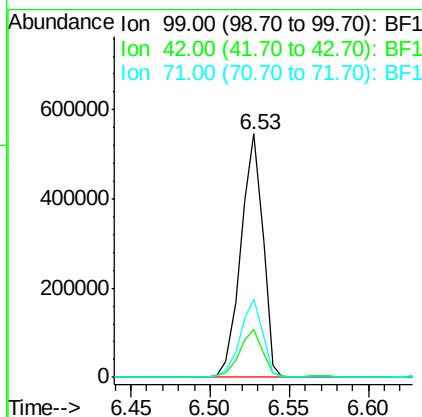
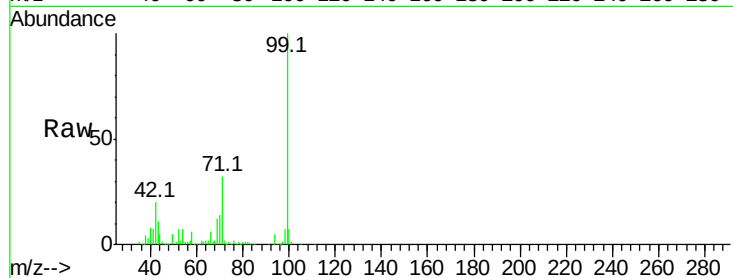
ClientSampleId :

S22-0029MSD

Tot Ion:	99	Resp:	524447
Ion Ratio	Lower	Upper	
99	100		
42	19.7	14.5	21.7
71	32.0	25.4	38.0

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#8

2-Chlorophenol

Concen: 37.643 ng

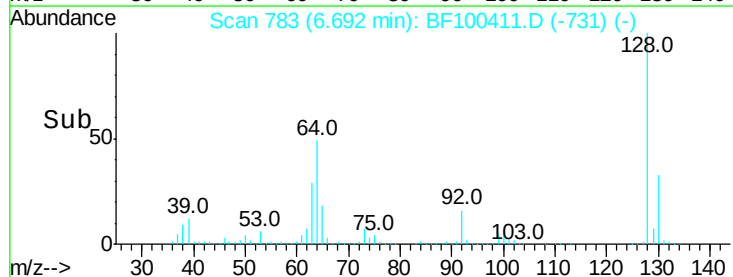
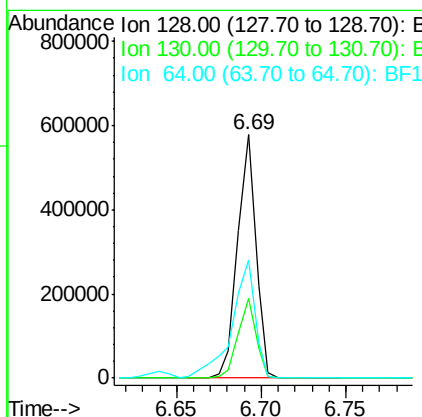
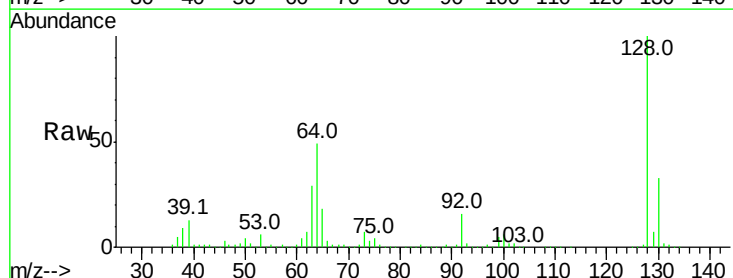
RT: 6.69 min Scan# 783

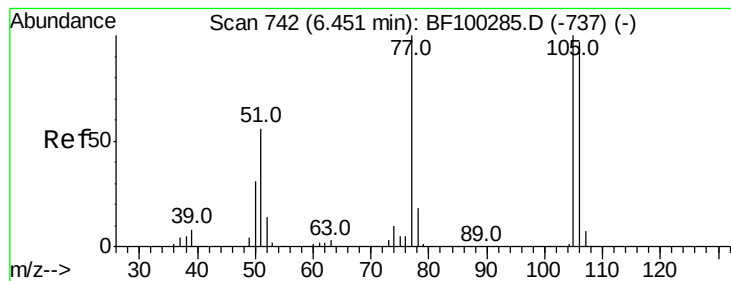
Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Tgt Ion:	128	Resp:	437427
Ion Ratio	Lower	Upper	
128	100		
130	32.9	13.0	53.0
64	48.7	29.4	69.4





#9

Benzaldehyde

Concen: 25.112 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

ClientSampleId :

S22-0029MSD

Tot Ion: 77 Resp: 242917

Ion Ratio Lower Upper

77 100

105 232.6 81.1 121.1#

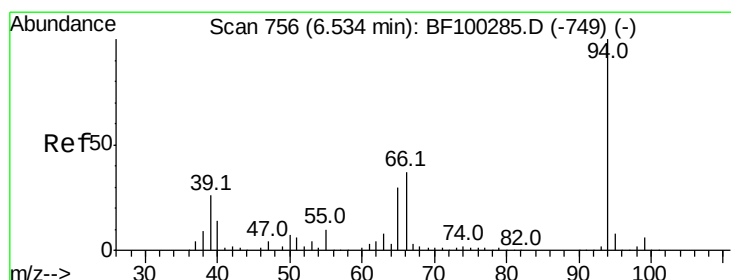
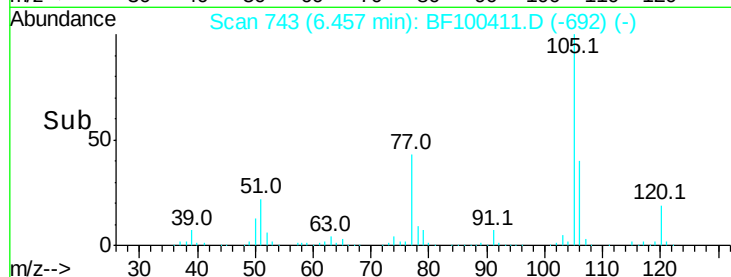
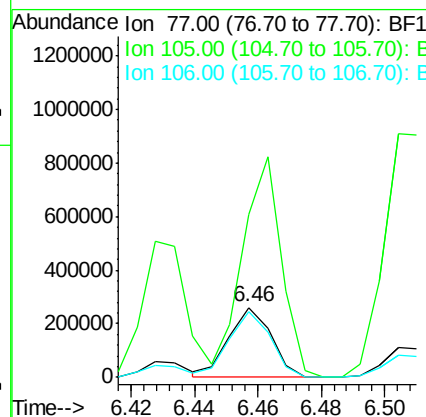
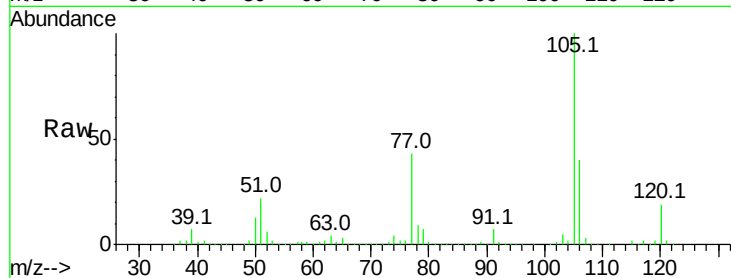
106 94.1 74.5 114.5

Manual Integrations

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#10

Phenol

Concen: 16.380 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.00 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

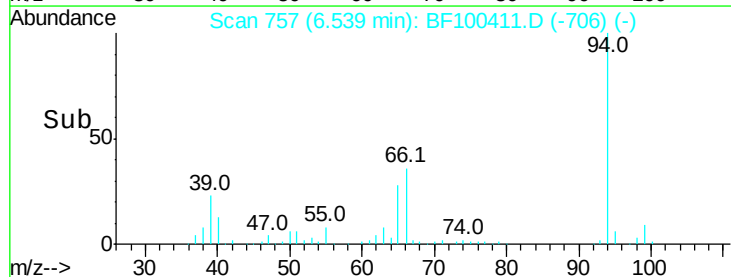
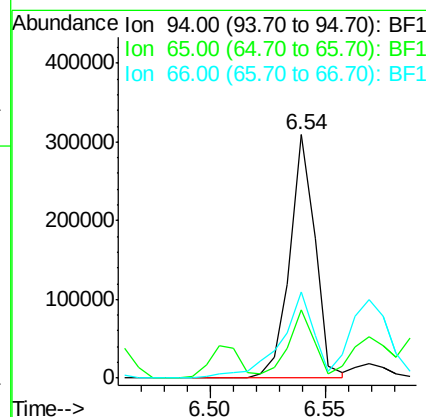
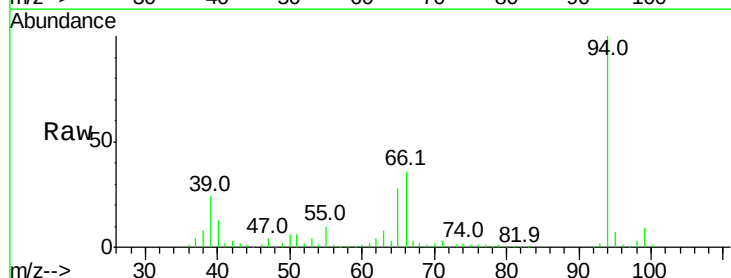
Tgt Ion: 94 Resp: 232912

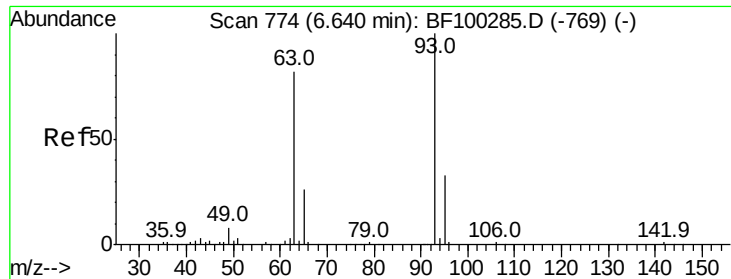
Ion Ratio Lower Upper

94 100

65 28.0 7.9 47.9

66 35.7 16.2 56.2





#11

bis(2-Chloroethyl)ether

Concen: 43.991 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.00 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

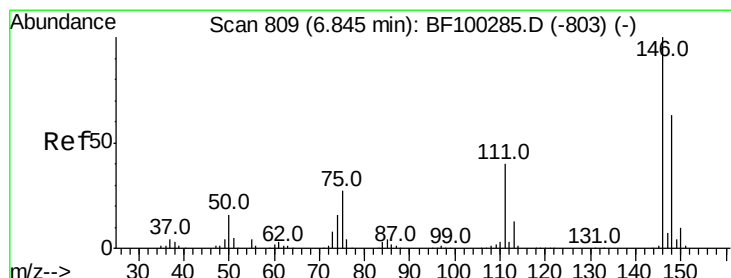
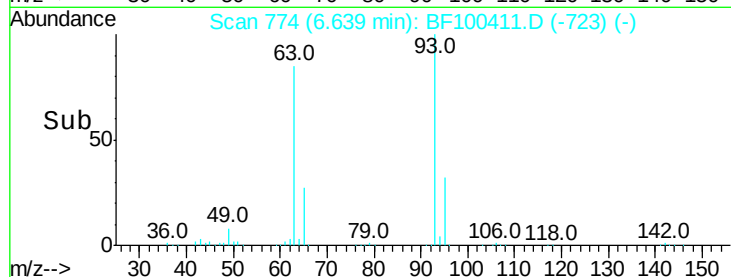
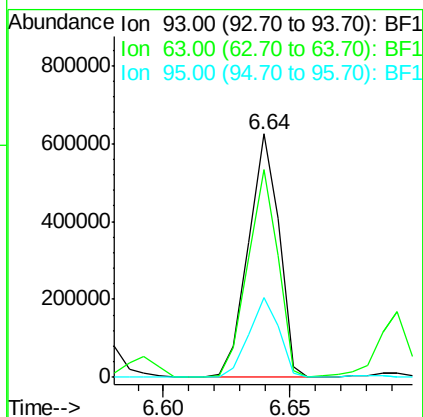
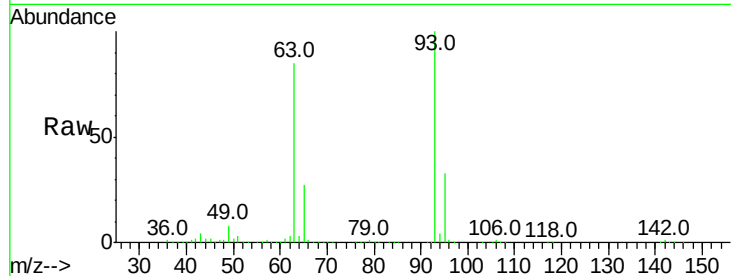
ClientSampleId :

S22-0029MSD

Tot Ion:	93	Resp:	525410
Ion Ratio	Lower	Upper	
93	100		
63	85.2	58.6	98.6
95	32.9	11.8	51.8

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 43.936 ng

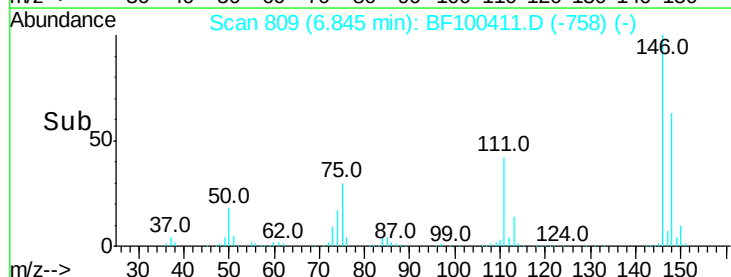
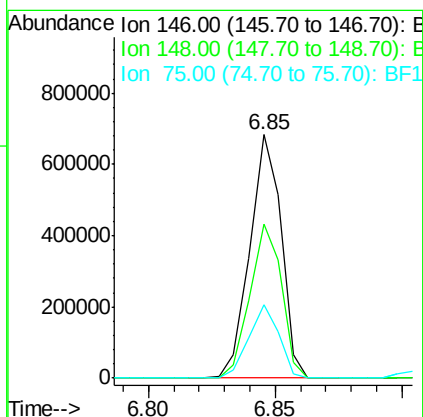
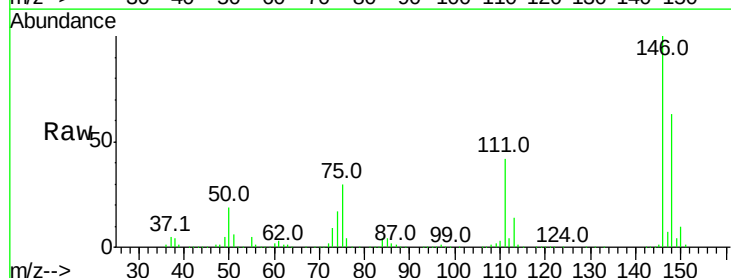
RT: 6.85 min Scan# 809

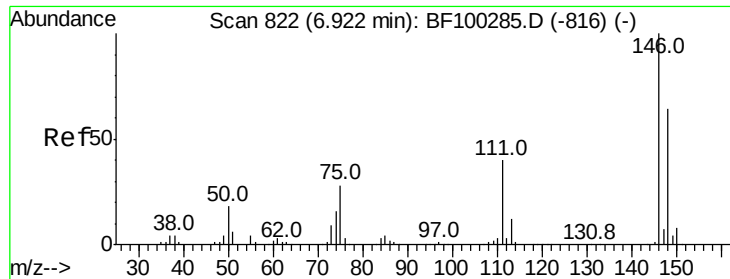
Delta R.T. -0.00 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Tgt Ion:	146	Resp:	588626
Ion Ratio	Lower	Upper	
146	100		
148	63.5	51.8	77.8
75	30.0	24.2	36.4





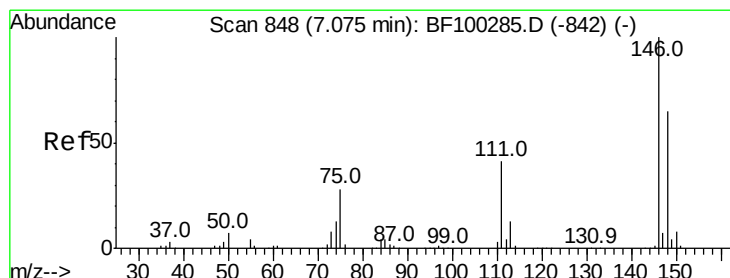
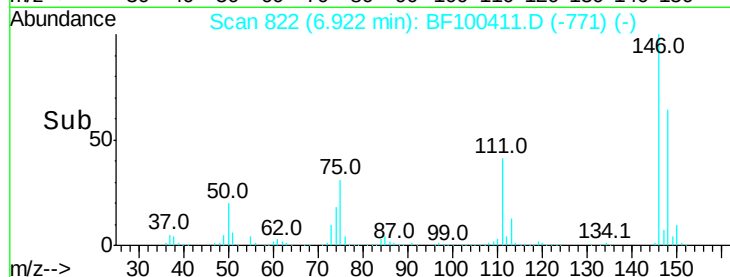
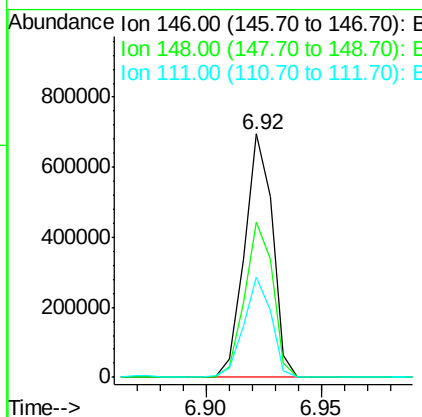
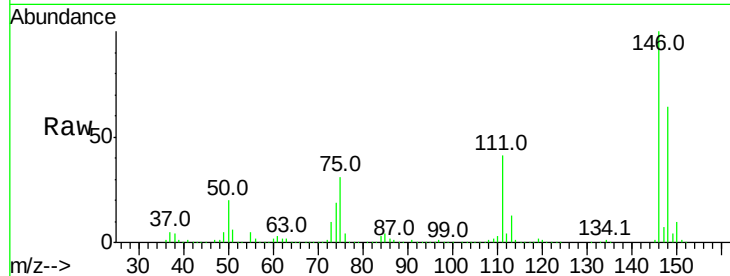
#13
 1,4-Dichlorobenzene
 Concen: 43.480 ng
 RT: 6.92 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 S22-0029MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.8	76.2
111	41.0	34.2	51.2

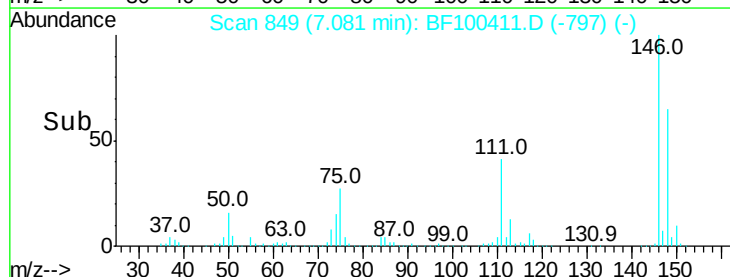
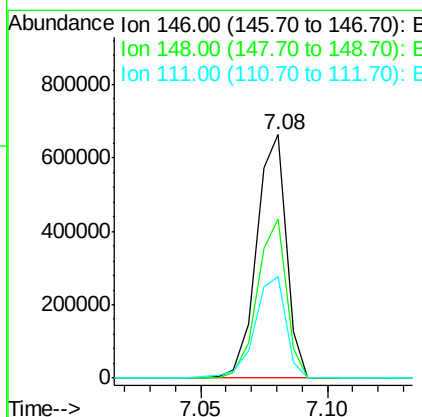
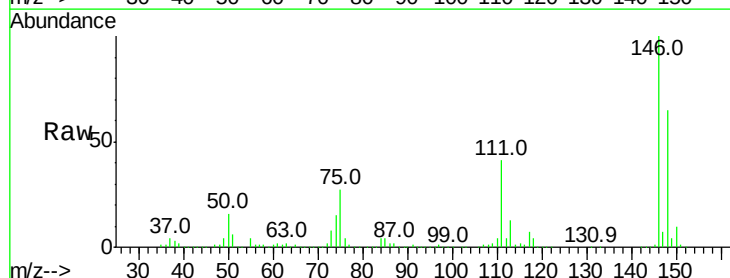
Manual Integrations
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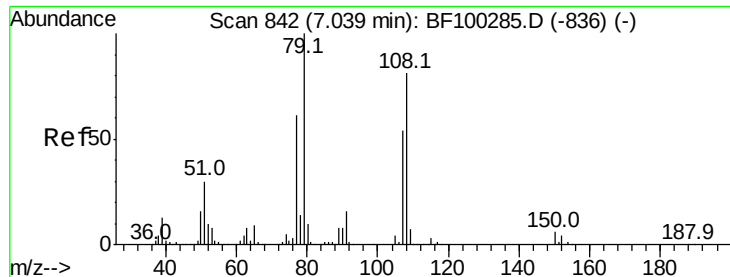
SOHIL
 11/13/2017 4:43:35 PM



#14
 1,2-Dichlorobenzene
 Concen: 43.261 ng
 RT: 7.08 min Scan# 849
 Delta R.T. 0.01 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.4	50.6	75.8
111	41.5	36.0	54.0





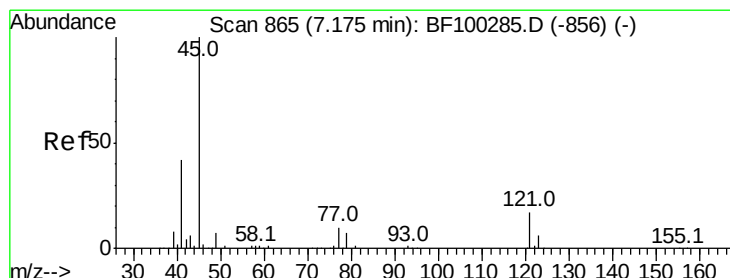
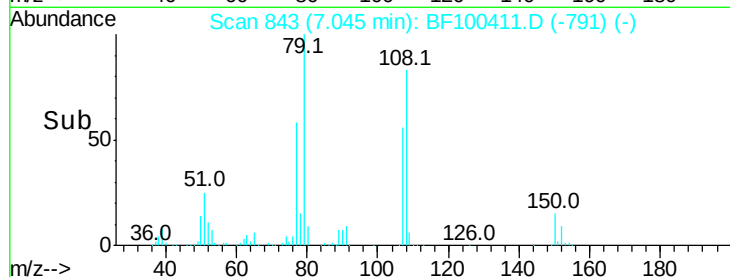
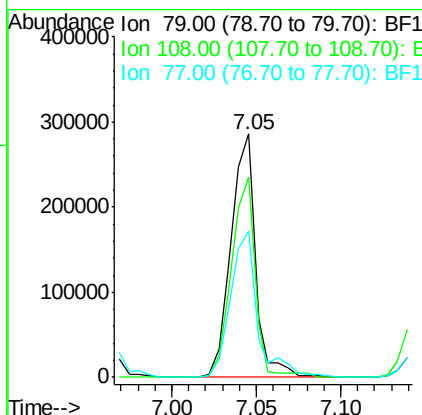
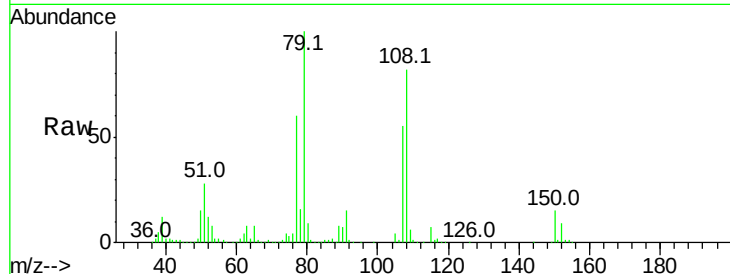
#15
Benzyl Alcohol
Concen: 27.270 ng
RT: 7.05 min Scan# 843
Delta R.T. 0.01 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	82.0	65.1	97.7
77	60.0	50.6	75.8

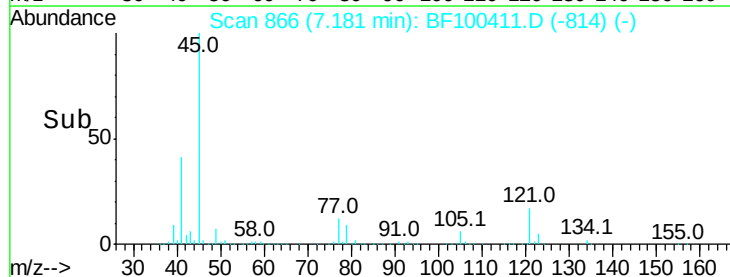
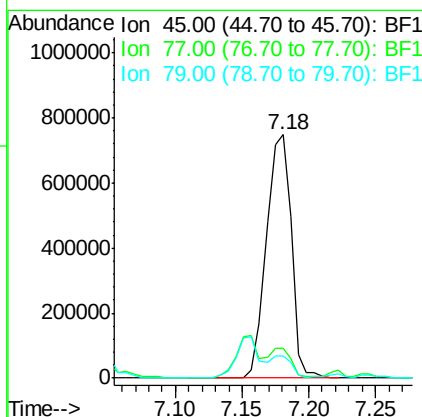
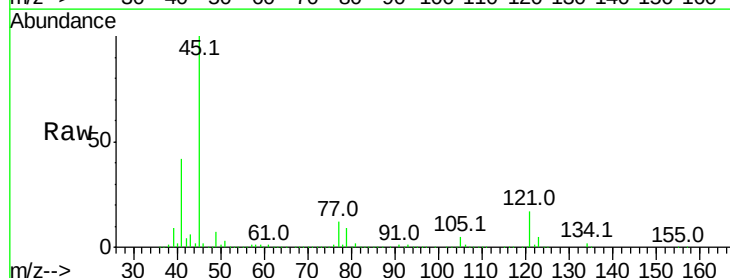
Manual Integrations
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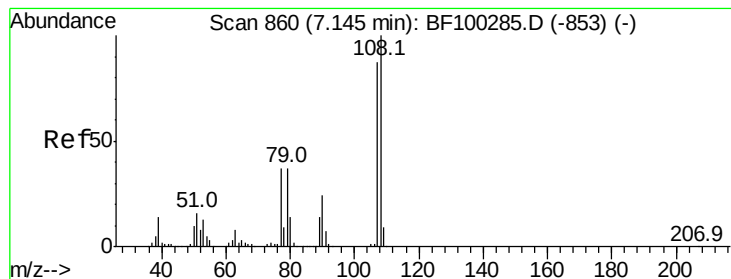
SOHIL
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#16
2,2'-oxybis(1-chloropropane)
Concen: 50.887 ng
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Lower	Upper
45	100		
77	12.2	0.0	32.9
79	9.2	0.0	29.6





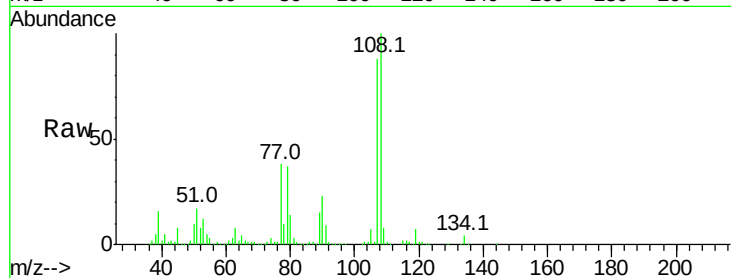
#17
2-Methylphenol
Concen: 31.634 ng
RT: 7.16 min Scan# 862
Delta R.T. 0.01 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.1	91.7	137.5	
77	43.5	33.8	50.8	
79	42.1	33.8	50.8	

Manual Integrations
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SOHIL
11/13/2017 4:43:35 PM



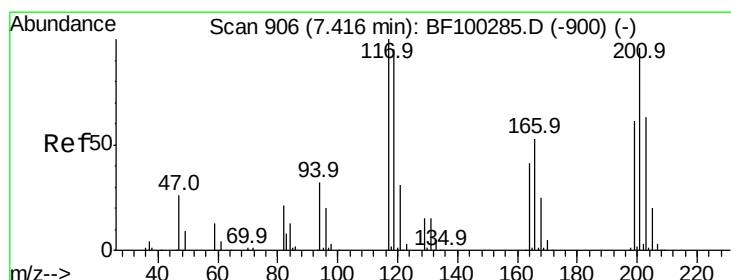
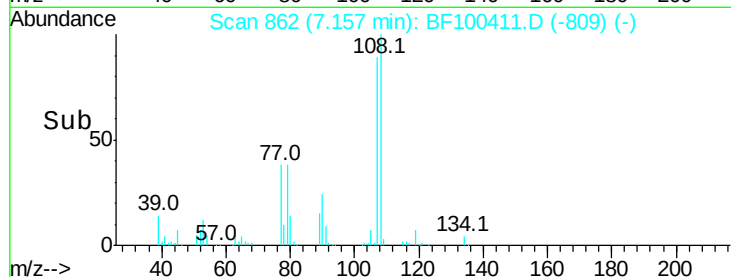
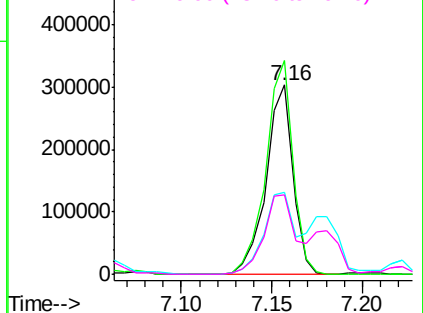
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

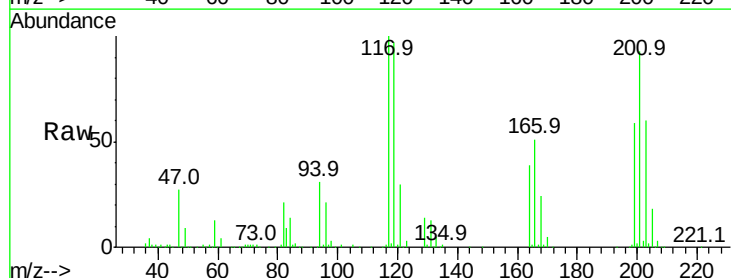
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 41.650 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.3	75.8	113.8	
201	93.0	75.7	113.5	

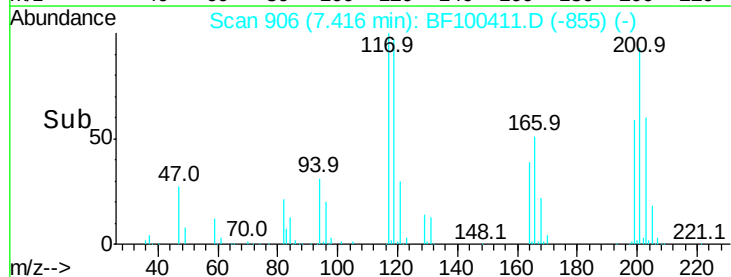
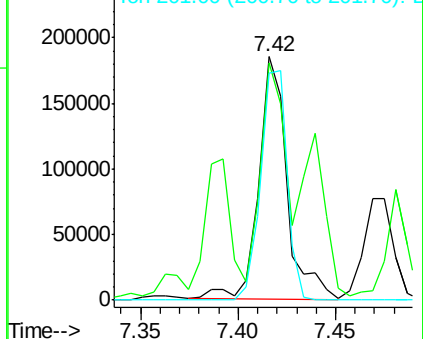


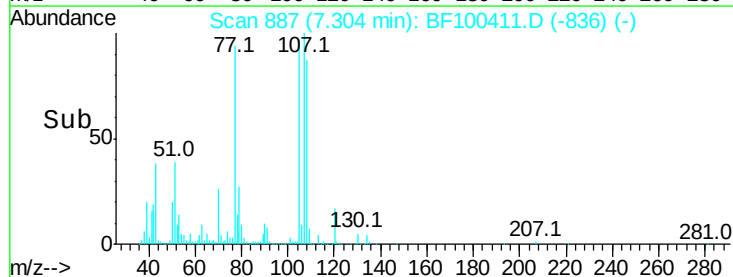
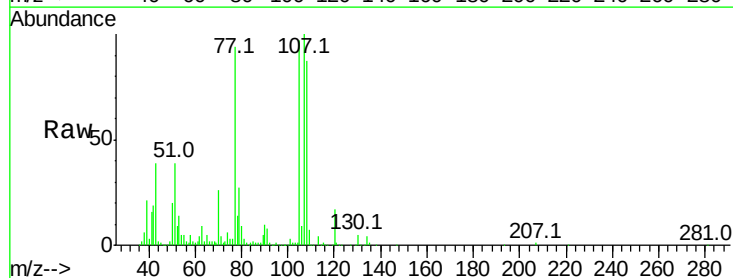
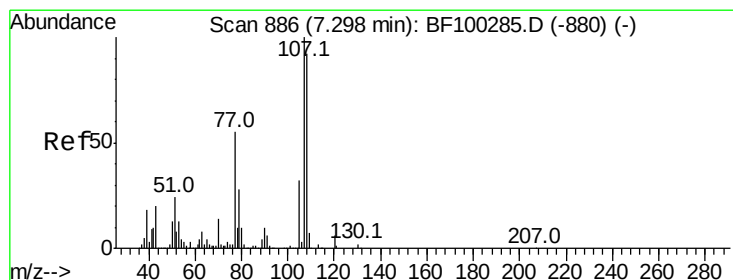
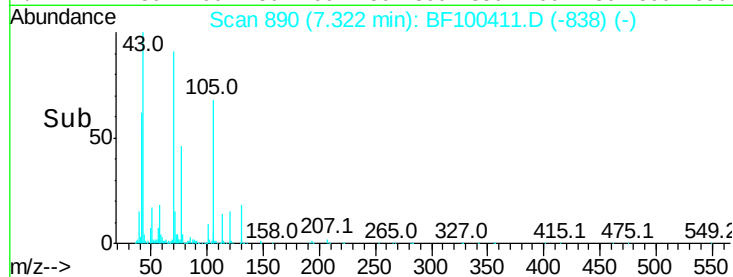
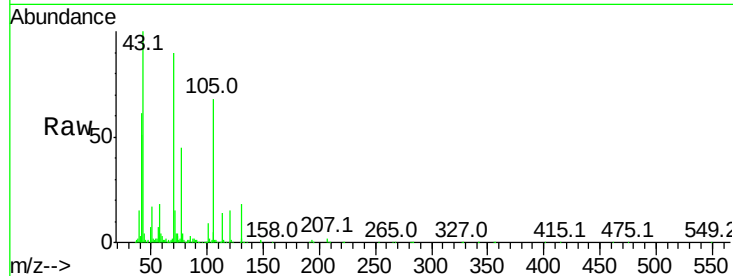
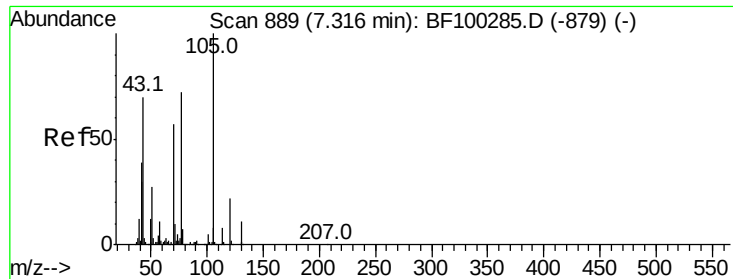
Abundance

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





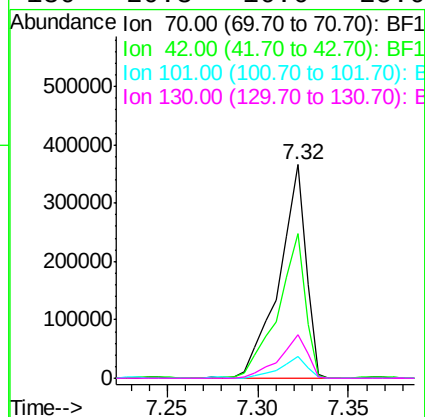
#19
n-Nitroso-di-n-propylamine
Concen: 40.269 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.01 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	67.9	47.5	71.3
101	10.0	7.4	11.2
130	20.3	16.6	25.0

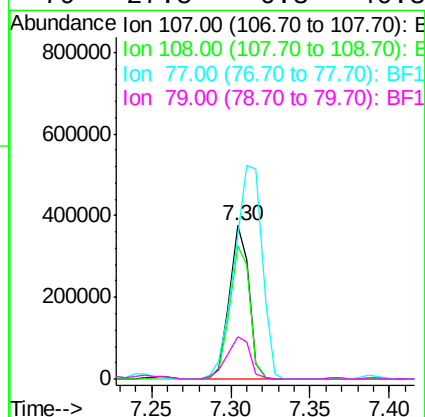
Manual Integrations
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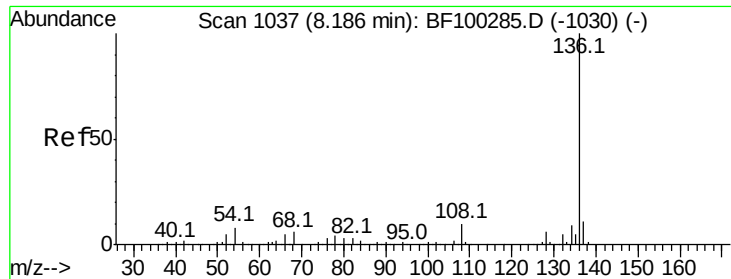
SOHIL
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#20
3+4-Methylphenols
Concen: 25.678 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.3	68.2	108.2
77	94.0	26.7	66.7#
79	27.5	6.3	46.3





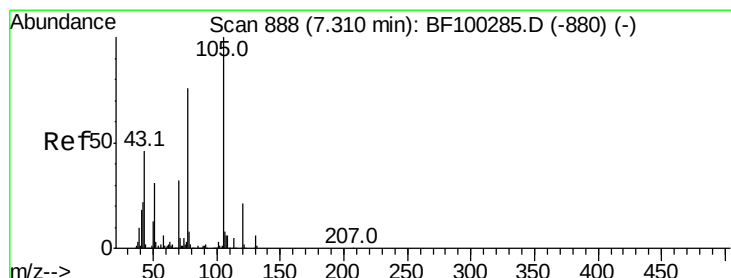
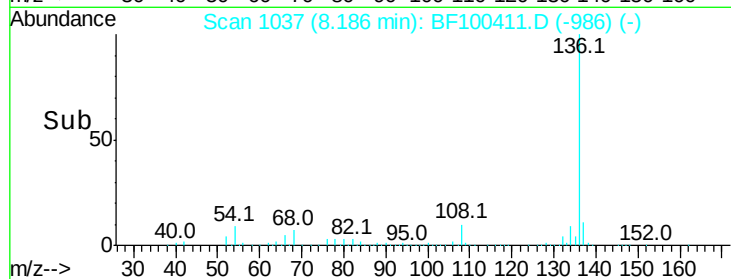
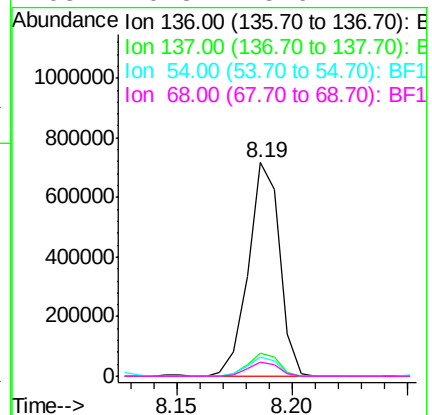
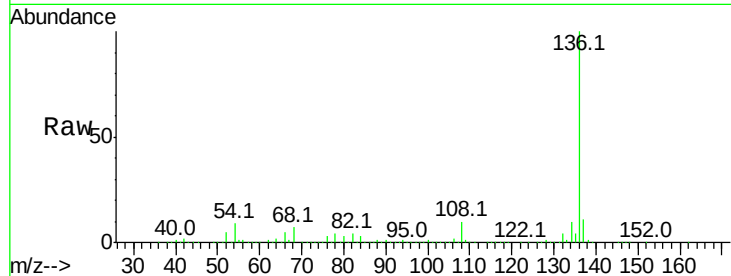
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampled :
S22-0029MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	681806		
137	11.0	8.9	13.3	
54	9.3	6.6	9.8	
68	6.8	5.0	7.4	

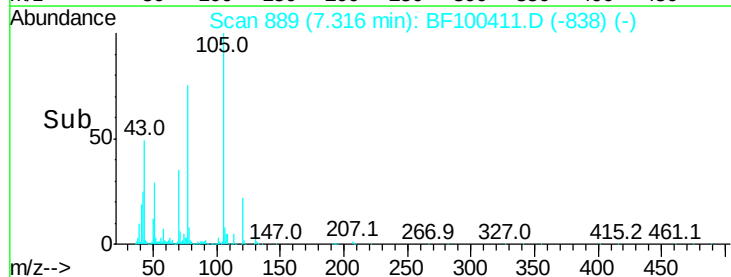
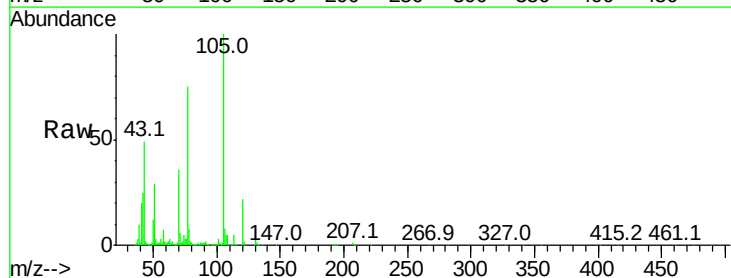
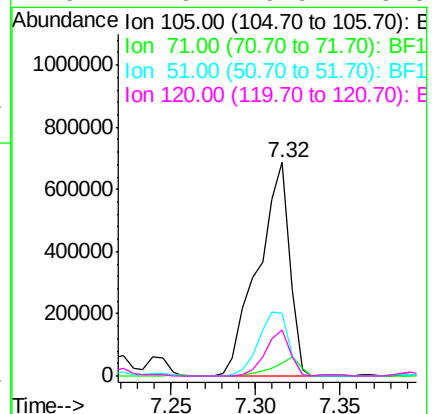
Manual Integrations
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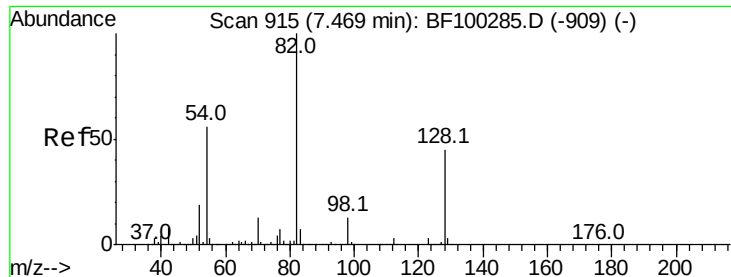
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#22
Acetophenone
Concen: 53.534 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	890033		
71	6.0	4.4	6.6	
51	29.1	22.3	33.5	
120	21.9	16.9	25.3	





#23

Nitrobenzene-d5

Concen: 96.928 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

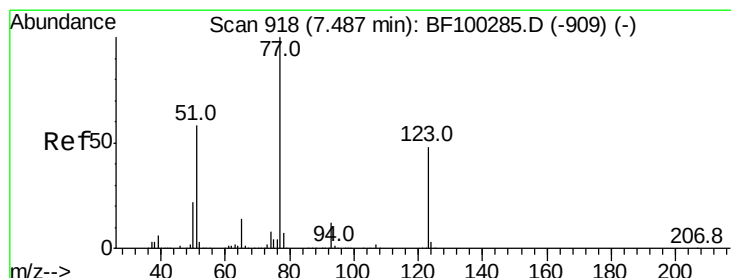
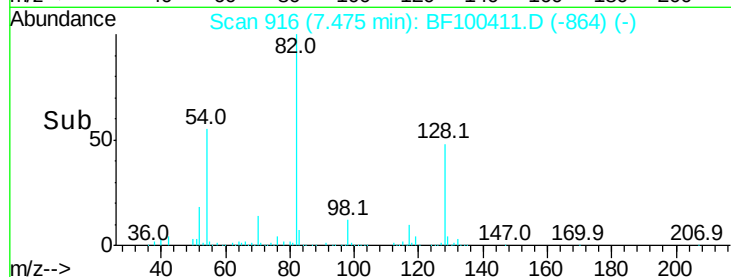
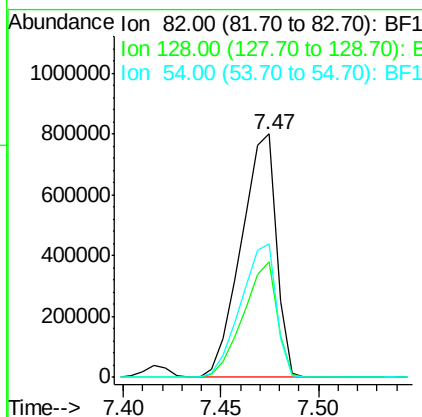
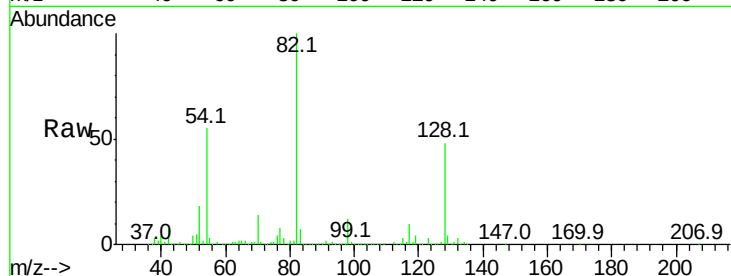
ClientSampleId :

S22-0029MSD

Tot Ion:	82	Resp:	999592
Ion Ratio	Lower	Upper	
82	100		
128	47.6	36.1	54.1
54	54.9	41.4	62.2

Manual Integrations
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11/13/2017 4:43:35 PM



#24

Nitrobenzene

Concen: 53.434 ng

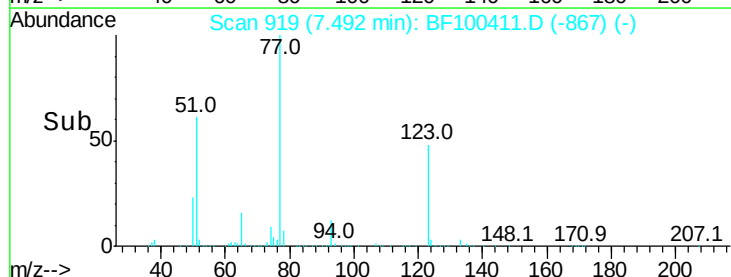
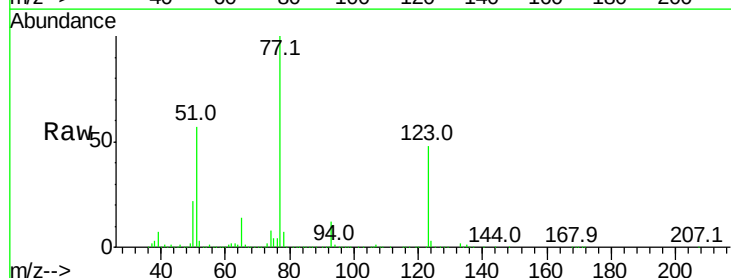
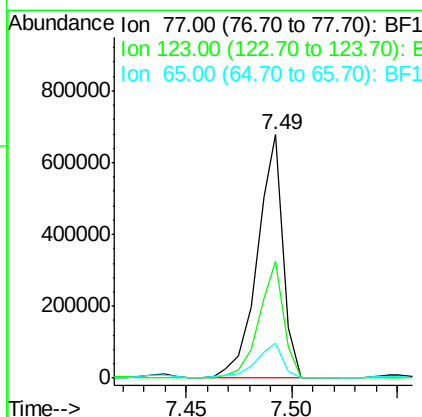
RT: 7.49 min Scan# 919

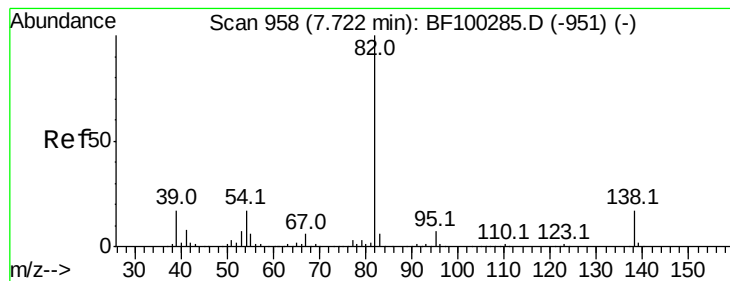
Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Tgt Ion:	77	Resp:	567168
Ion Ratio	Lower	Upper	
77	100		
123	48.2	37.9	56.9
65	14.4	11.0	16.4





#25

Isophorone

Concen: 48.590 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.00 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

ClientSampleId :

S22-0029MSD

Tot Ion: 82 Resp: 1053011

Ion Ratio Lower Upper

82 100

95 6.7 5.2 7.8

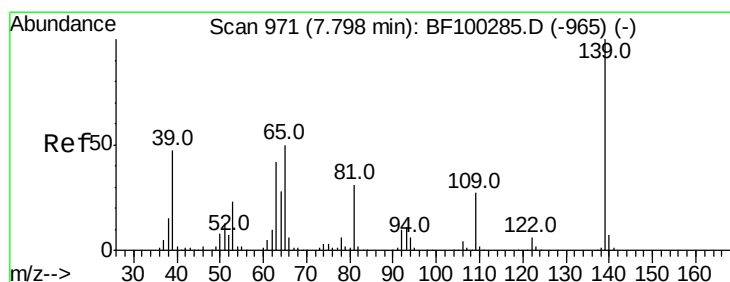
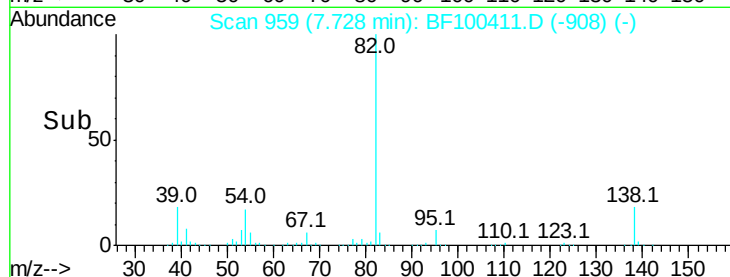
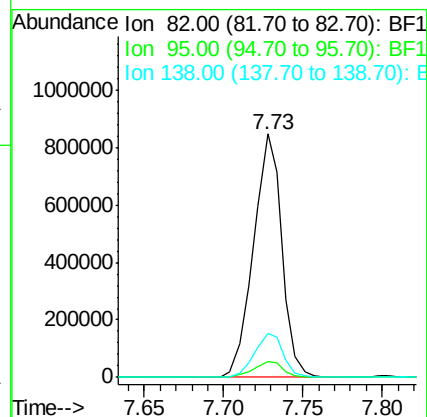
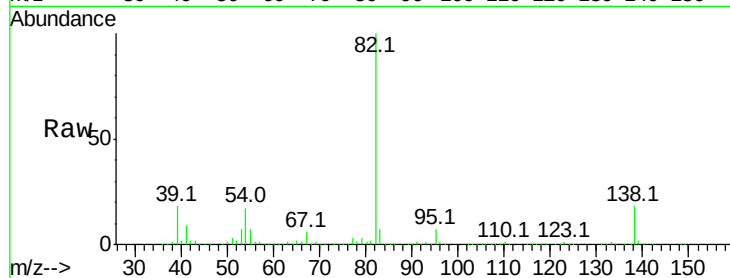
138 18.1 14.9 22.3

Manual Integrations

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SOHIL

11/13/2017 4:43:35 PM



#26

2-Nitrophenol

Concen: 48.388 ng

RT: 7.80 min Scan# 972

Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

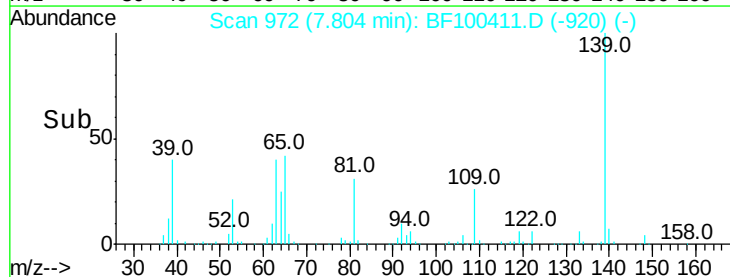
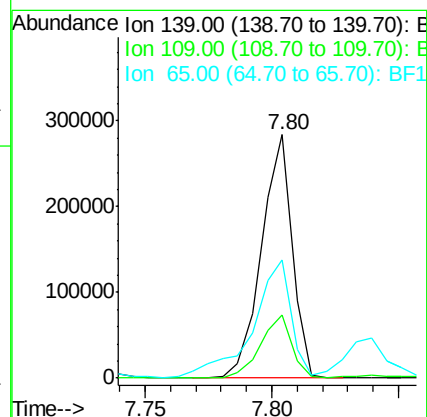
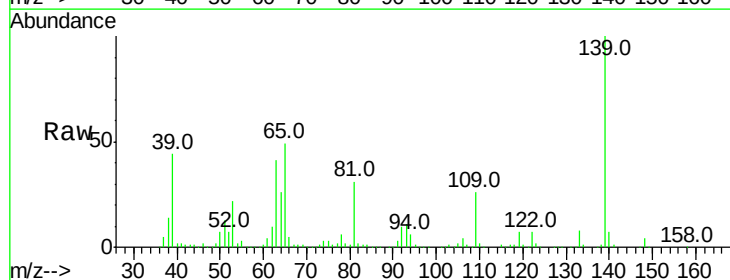
Tgt Ion: 139 Resp: 241054

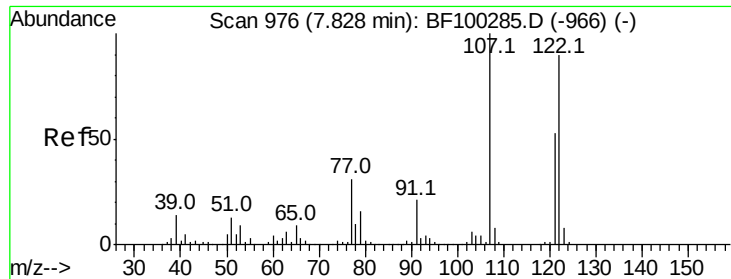
Ion Ratio Lower Upper

139 100

109 25.9 22.7 34.1

65 48.5 40.5 60.7





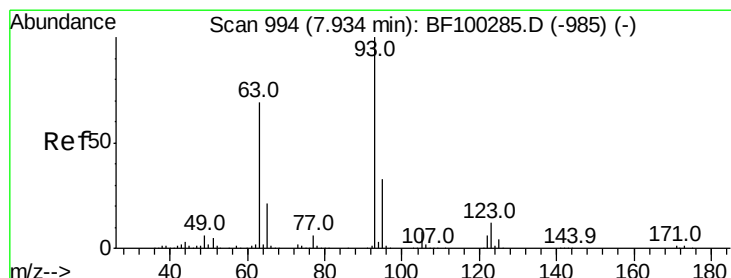
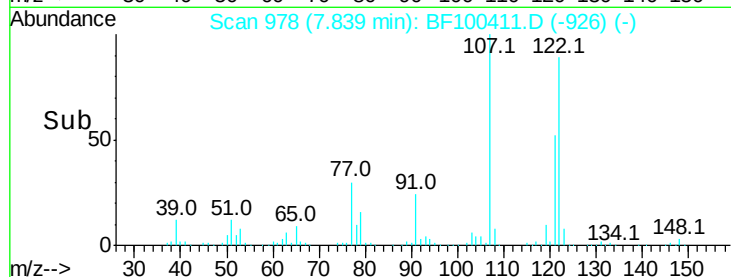
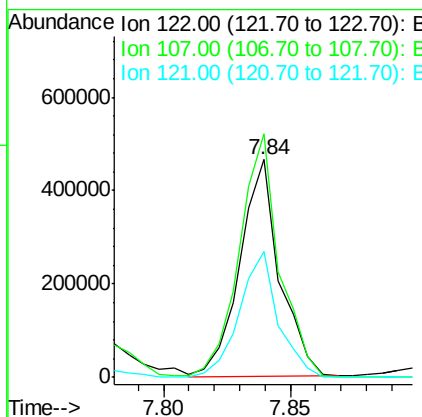
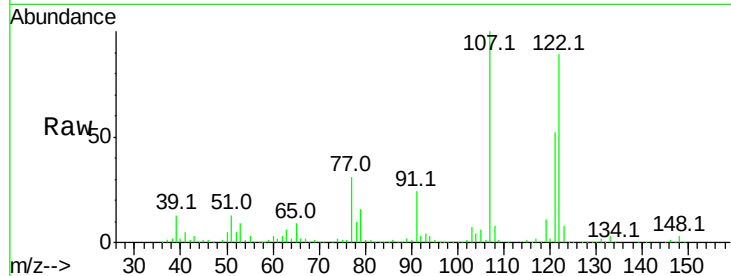
#27
2,4-Dimethylphenol
Concen: 52.418 ng
RT: 7.84 min Scan# 978
Delta R.T. 0.01 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	111.9	91.2	136.8
121	57.7	47.2	70.8

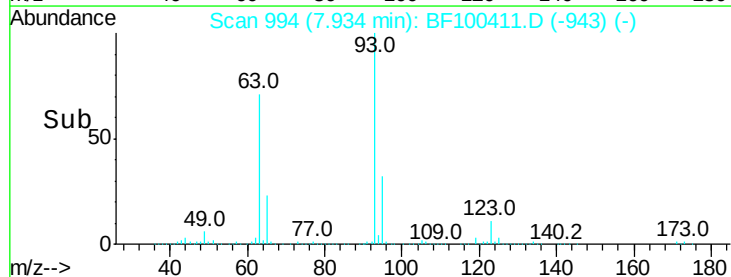
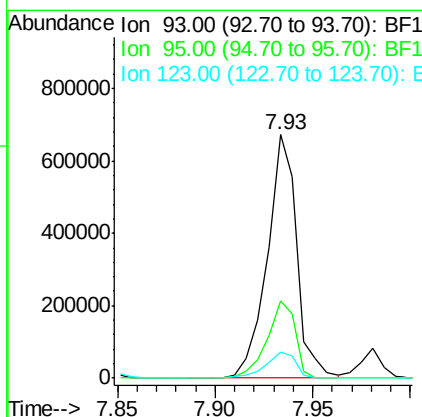
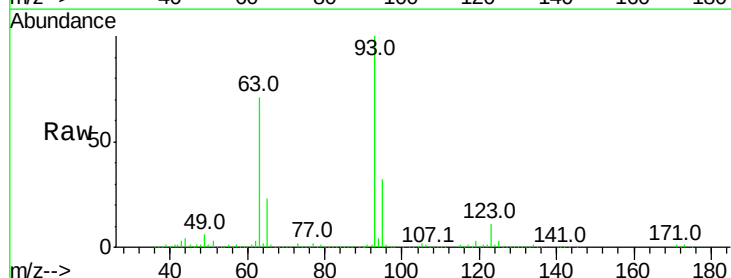
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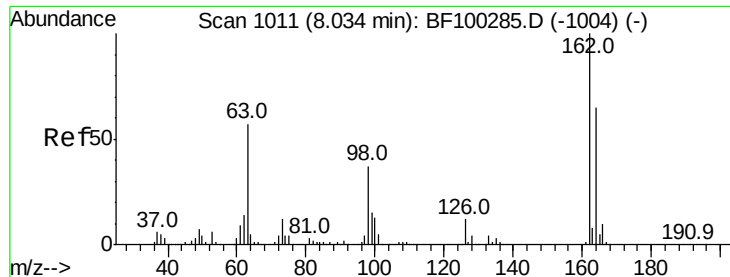
SOHIL
11/13/2017 4:43:35 PM



#28
bis(2-Chloroethoxy)methane
Concen: 49.528 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.3	39.5
123	10.9	9.8	14.6





#29

2,4-Dichlorophenol

Concen: 43.283 ng

RT: 8.05 min Scan# 1013

Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

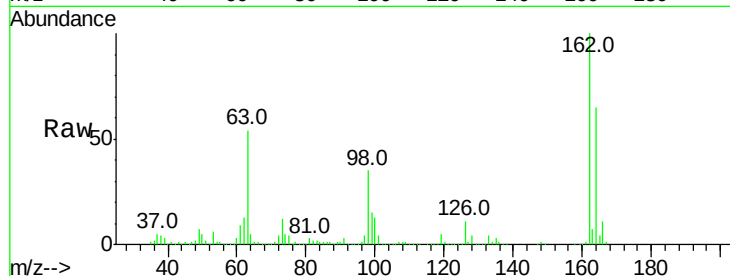
ClientSampleId :

S22-0029MSD

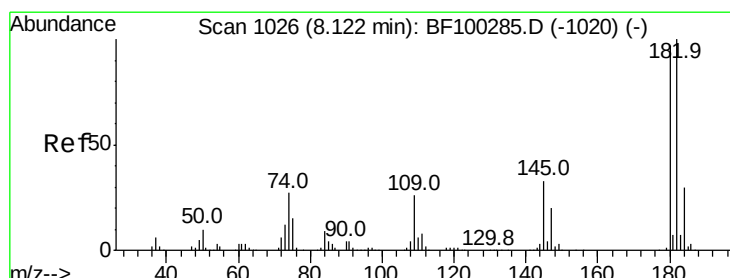
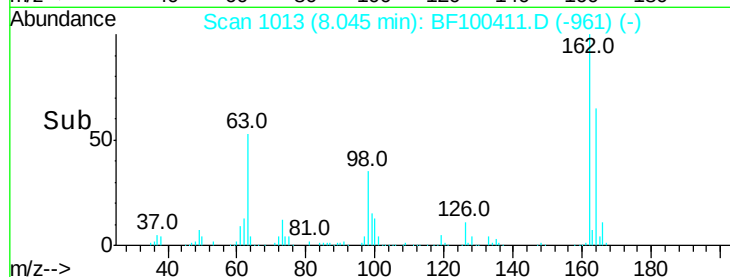
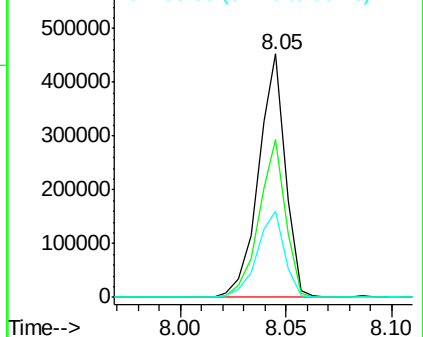
Tot Ion	Ratio	Resp	Lower	Upper
162	100	401417		
164	64.6	42.7	82.7	
98	35.2	18.1	58.1	

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



#30

1,2,4-Trichlorobenzene

Concen: 45.267 ng

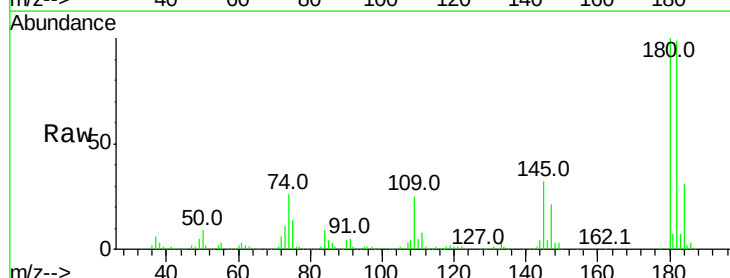
RT: 8.13 min Scan# 1027

Delta R.T. -0.00 min

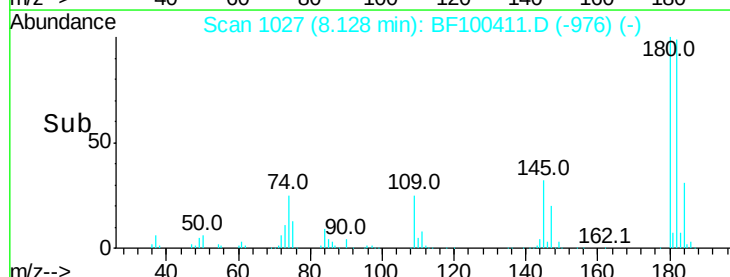
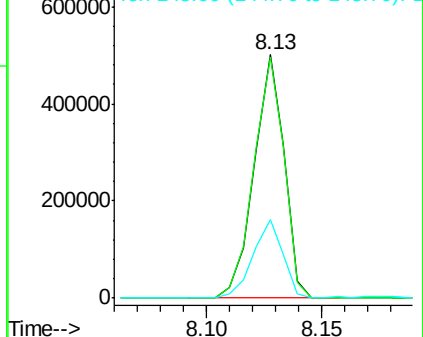
Lab File: BF100411.D

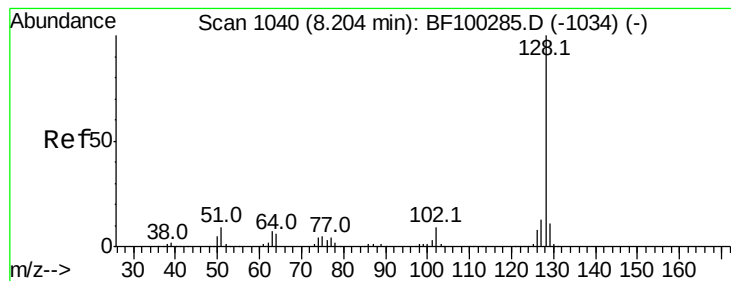
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	454117		
182	99.1	76.8	115.2	
145	32.3	26.5	39.7	



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





#31

Naphthalene

Concen: 43.611 ng

RT: 8.21 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

ClientSampleId :

S22-0029MSD

Tot Ion:128 Resp: 1432164

Ion Ratio Lower Upper

128 100

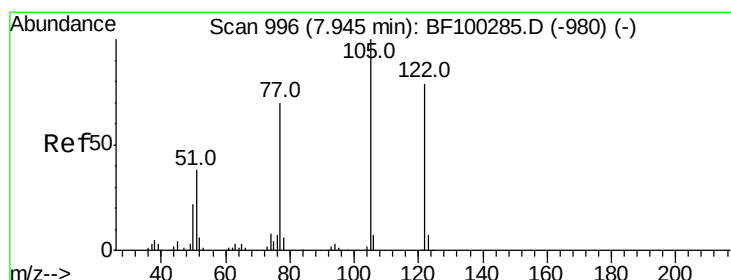
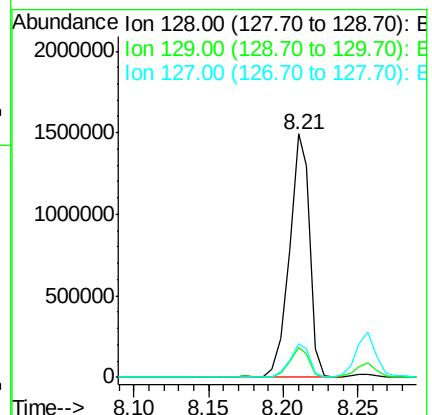
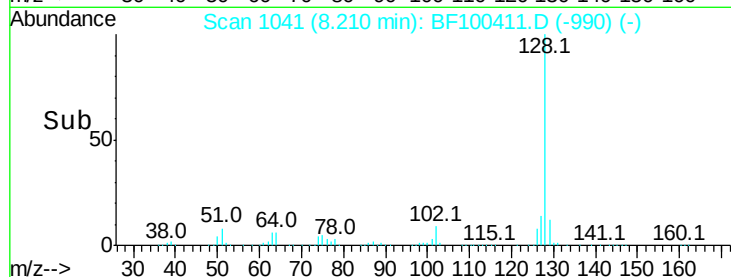
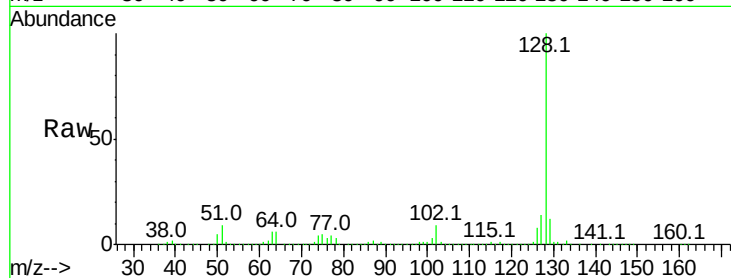
129 12.1 8.8 13.2

127 13.8 10.9 16.3

Manual Integrations
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#32

Benzoic acid

Concen: 17.054 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

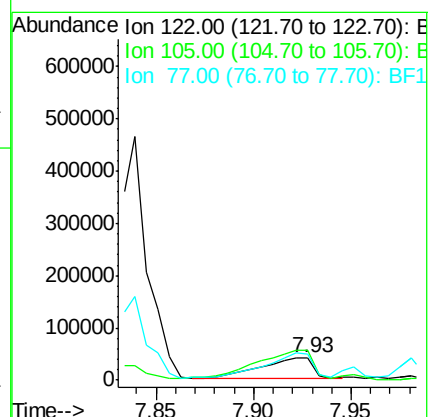
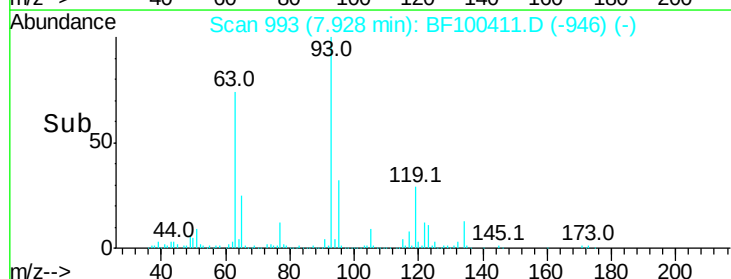
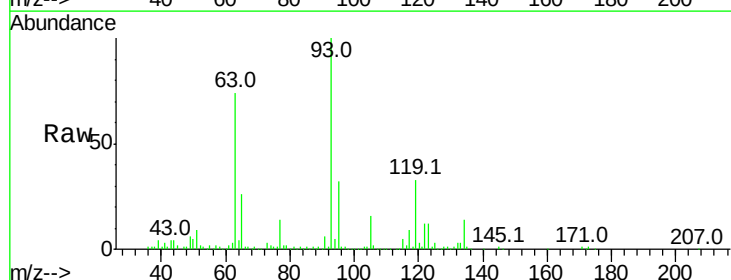
Tgt Ion:122 Resp: 71027

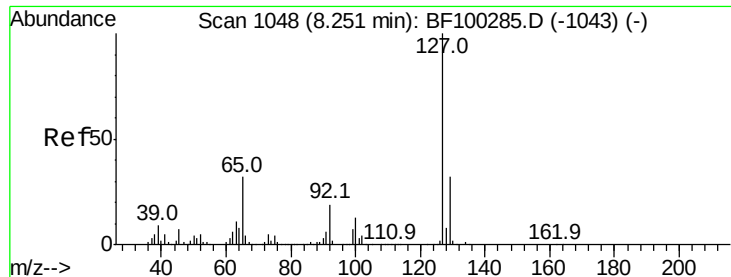
Ion Ratio Lower Upper

122 100

105 132.8 101.1 141.1

77 116.9 70.7 110.7#





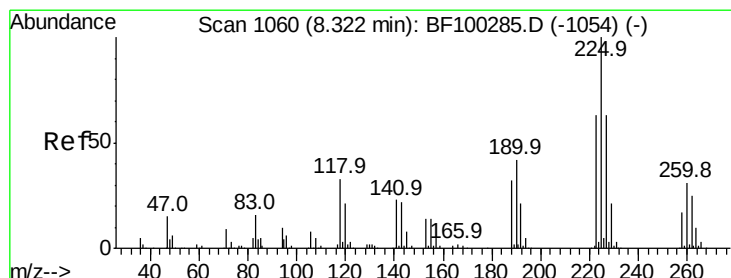
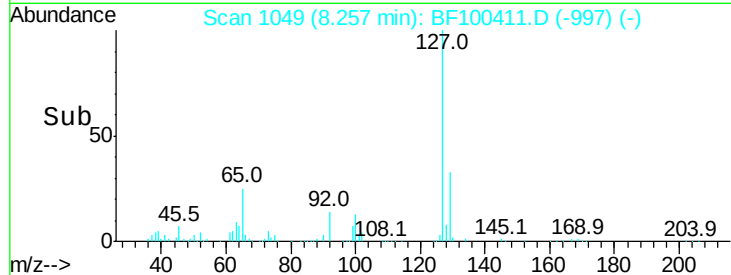
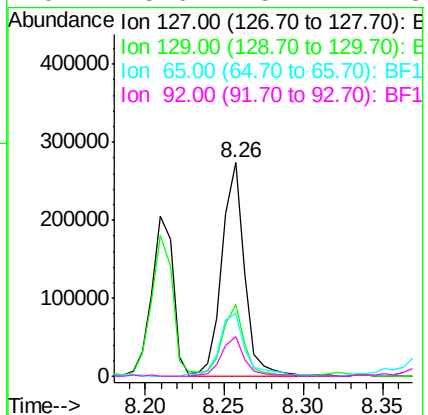
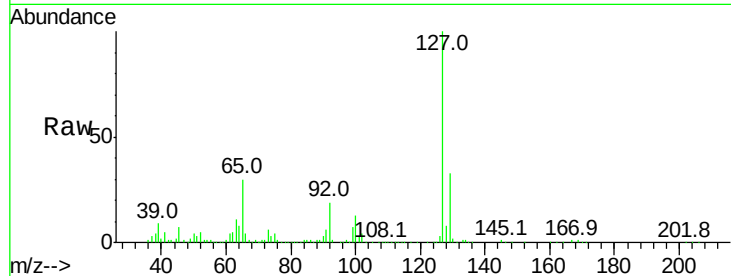
#33
 4-Chloroaniline
 Concen: 19.748 ng
 RT: 8.26 min Scan# 1049
 Delta R.T. 0.01 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 S22-0029MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100	269947		
129	33.4	25.9	38.9	
65	29.5	25.0	37.4	
92	18.6	15.2	22.8	

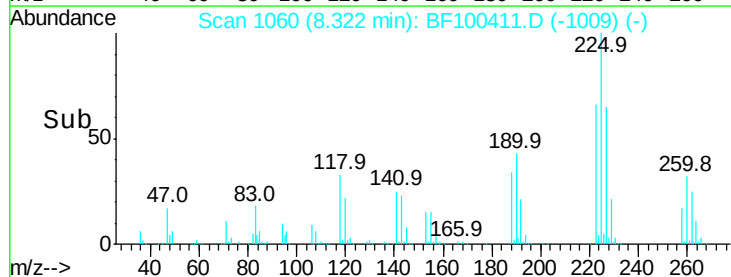
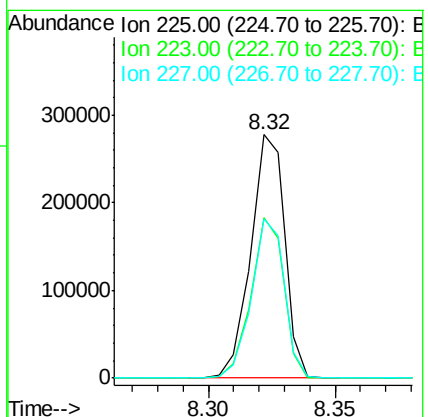
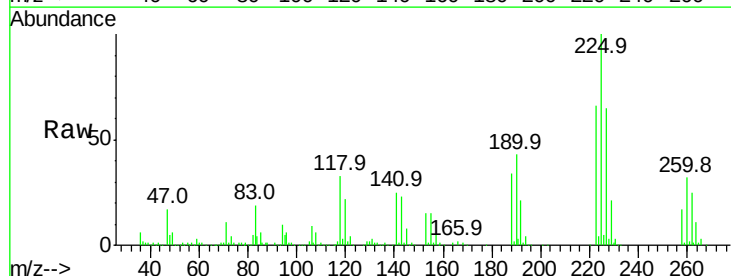
Manual Integrations
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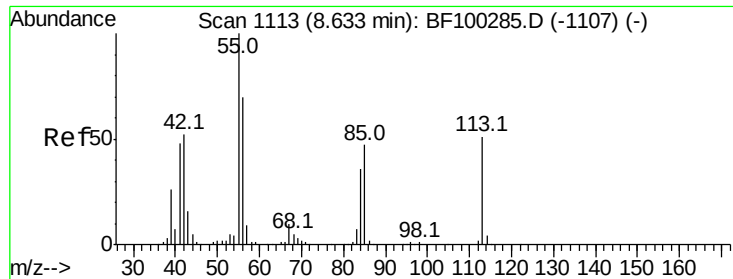
SOHIL
 11/13/2017 4:43:35 PM



#34
 Hexachlorobutadiene
 Concen: 43.403 ng
 RT: 8.32 min Scan# 1060
 Delta R.T. -0.00 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	258888		
223	65.8	50.6	76.0	
227	65.5	51.9	77.9	





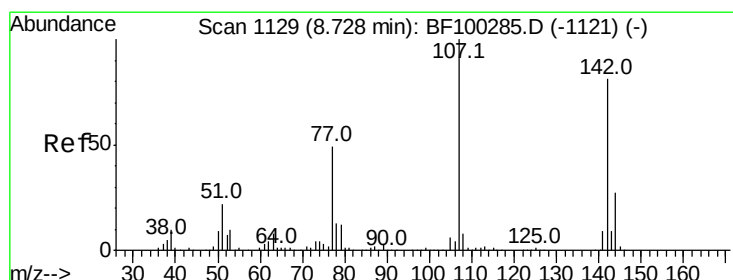
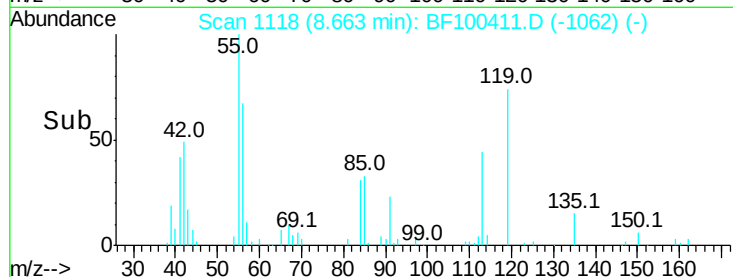
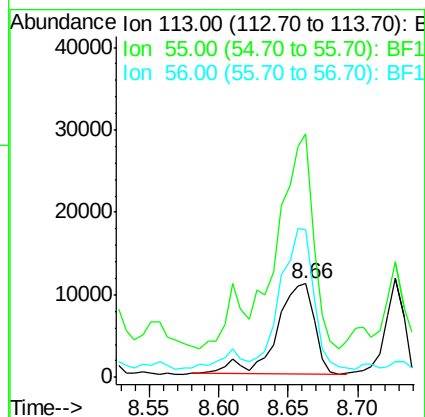
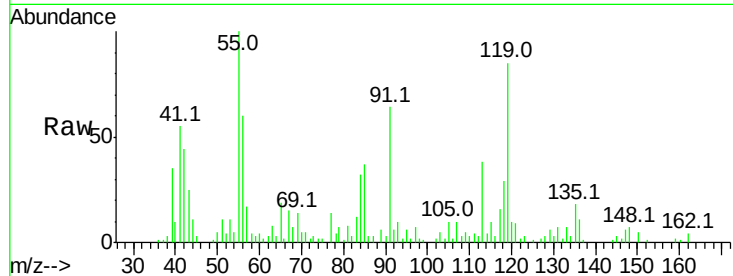
#35
Caprolactam
Concen: 6.483 ng m
RT: 8.66 min Scan# 1118
Delta R.T. 0.03 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	260.2	163.3	203.3#
56	157.1	115.7	155.7#

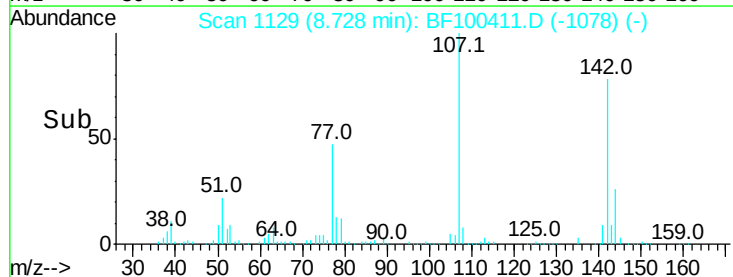
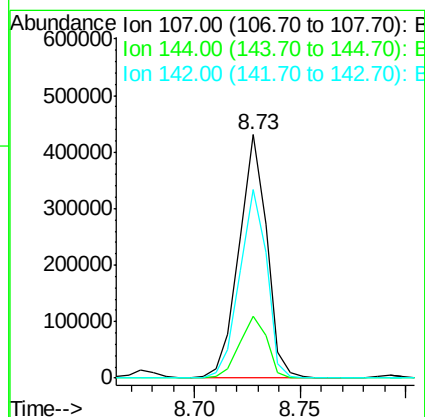
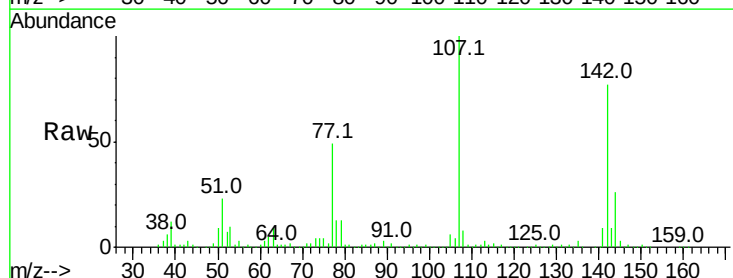
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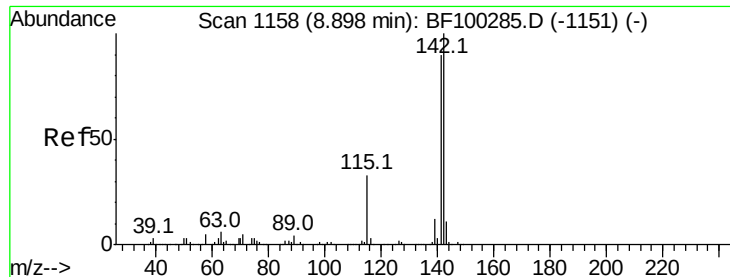
SOHIL
11/13/2017 4:43:35 PM



#36
4-Chloro-3-methylphenol
Concen: 39.001 ng
RT: 8.73 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.5	30.7
142	77.2	62.0	93.0





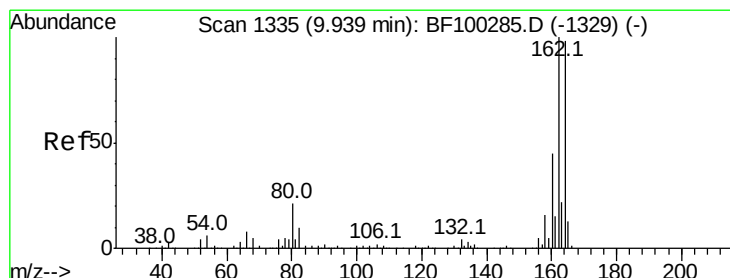
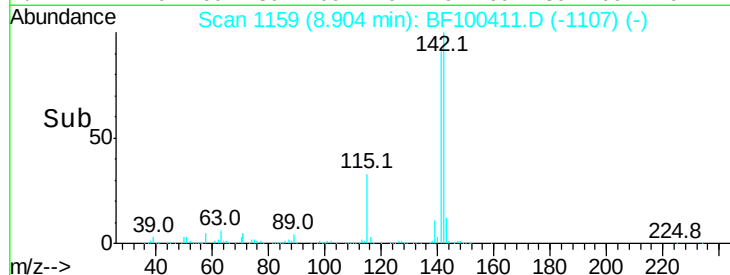
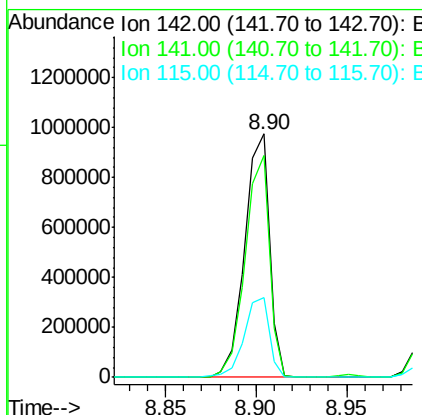
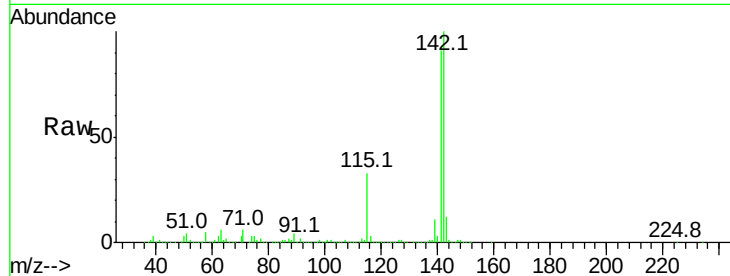
#37
2-Methylnaphthalene
Concen: 42.547 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	70.8	106.2
115	32.7	26.1	39.1

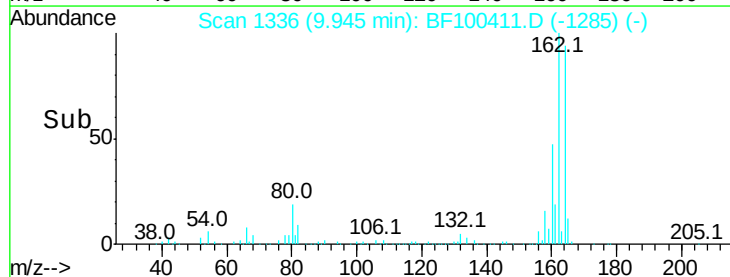
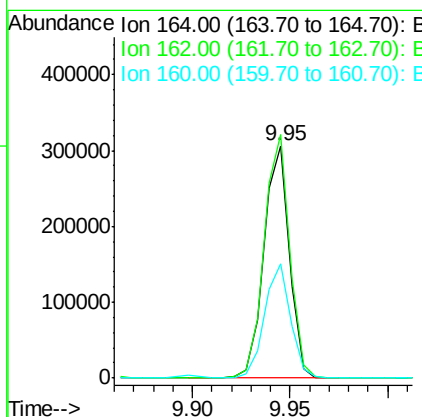
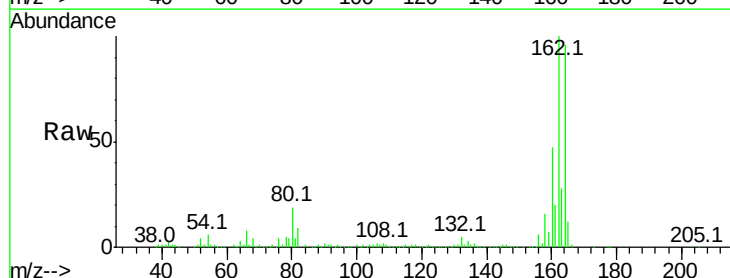
Manual Integrations
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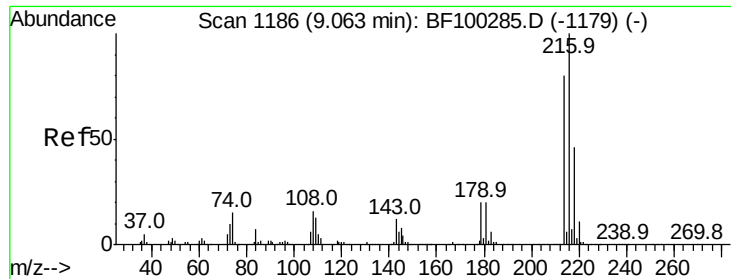
SOHIL
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	49.2	38.3	57.5





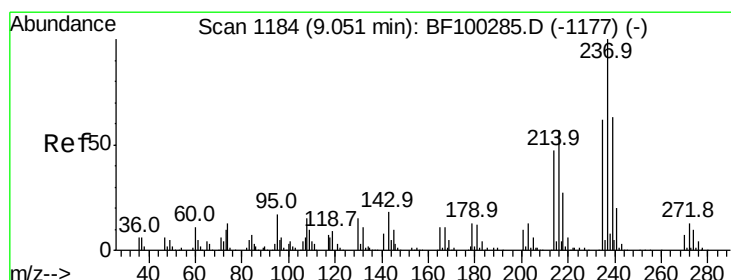
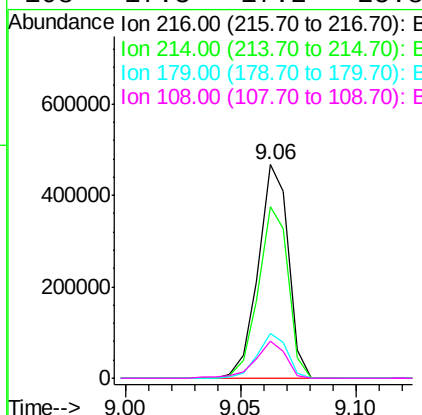
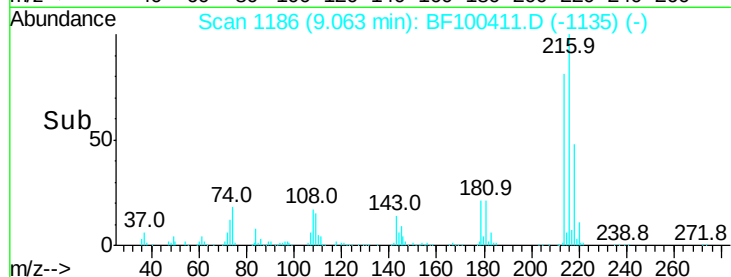
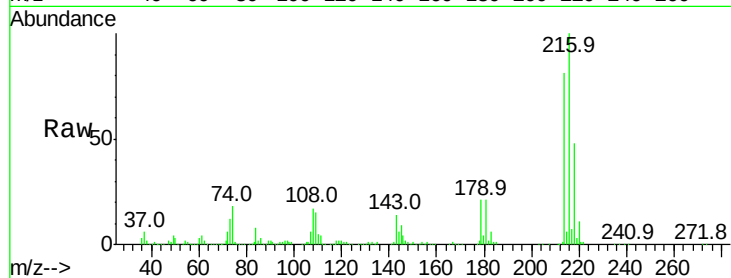
#39
1,2,4,5-Tetrachlorobenzene
Concen: 46.643 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	426664		
214	79.9	63.0	94.4	
179	20.8	18.1	27.1	
108	17.3	17.2	25.8	

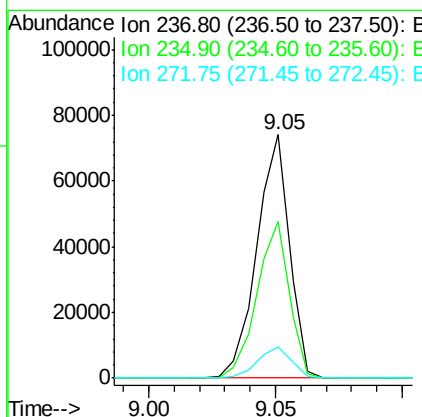
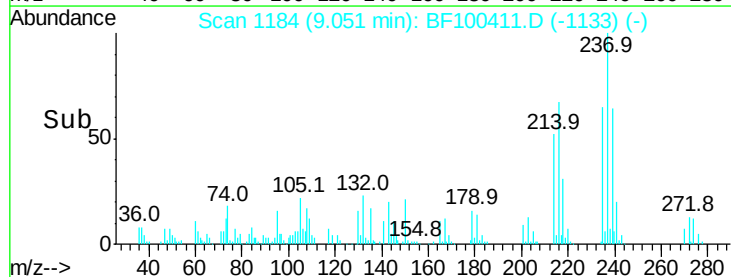
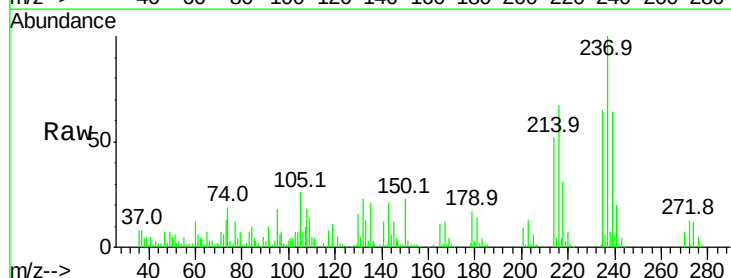
Manual Integrations
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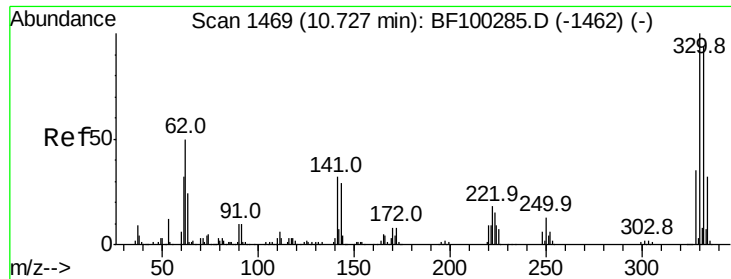
SOHIL
11/13/2017 4:43:35 PM



#40
Hexachlorocyclopentadiene
Concen: 15.494 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	66704		
235	64.5	44.8	84.8	
272	12.6	0.0	33.3	





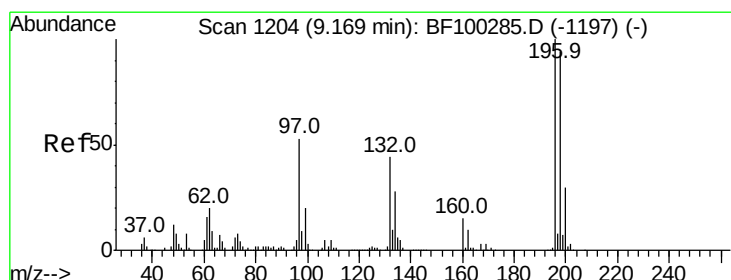
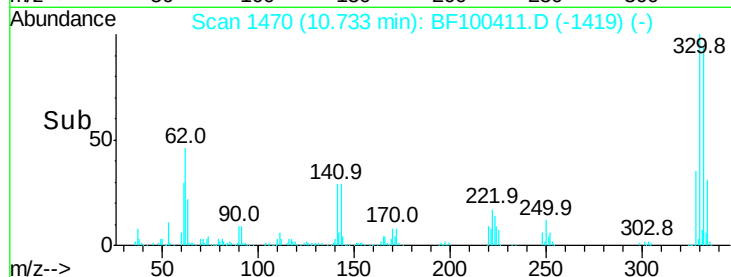
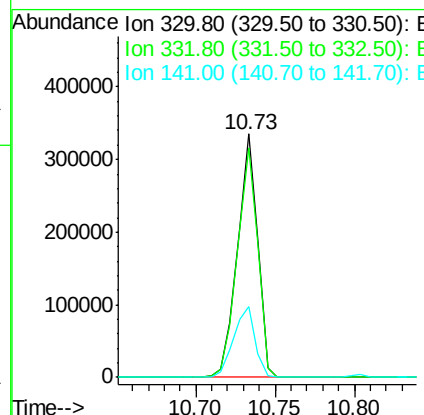
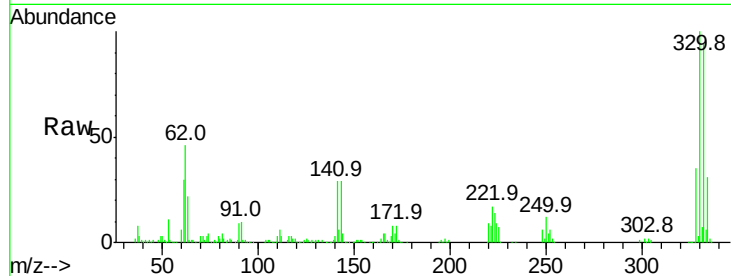
#41
 2,4,6-Tribromophenol
 Concen: 105.177 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 S22-0029MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	295606		
332	96.1	77.0	115.6	
141	31.2	29.9	44.9	

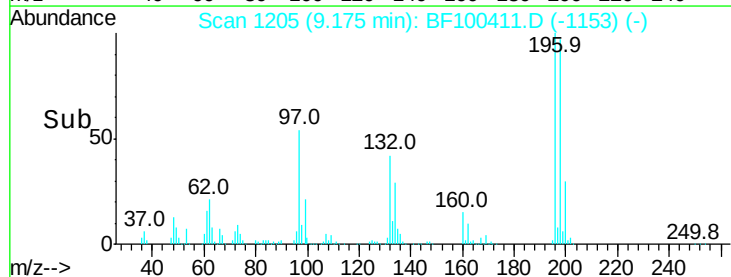
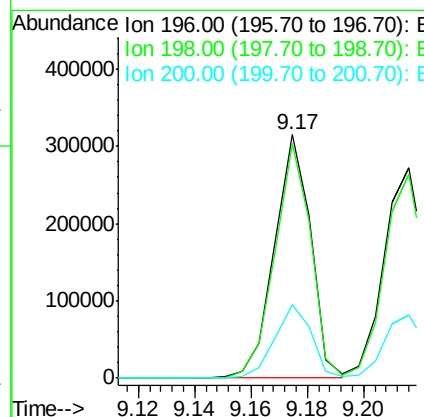
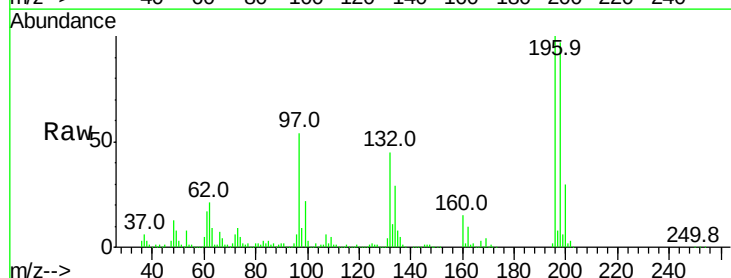
Manual Integrations
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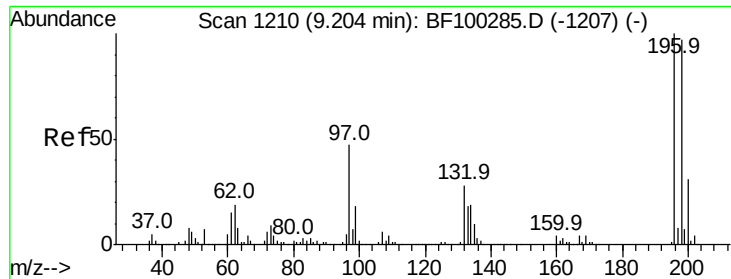
SOHIL
 11/13/2017 4:43:35 PM



#42
 2,4,6-Trichlorophenol
 Concen: 48.277 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.01 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	279886		
198	96.5	75.7	113.5	
200	30.2	24.5	36.7	





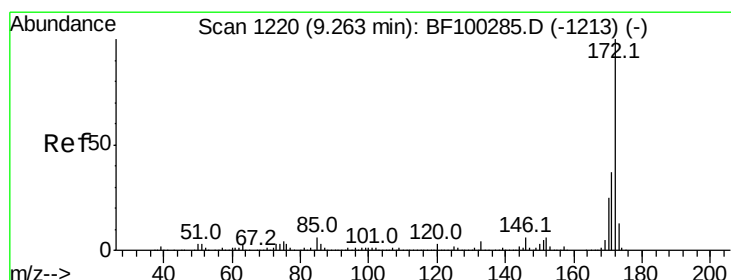
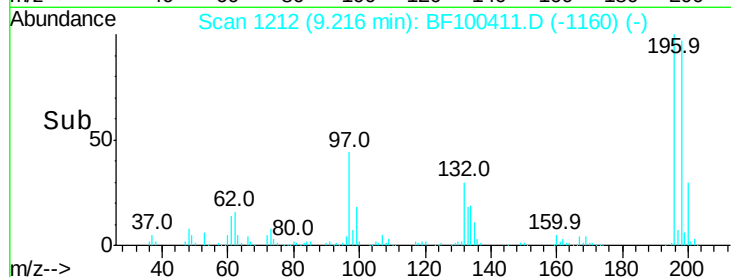
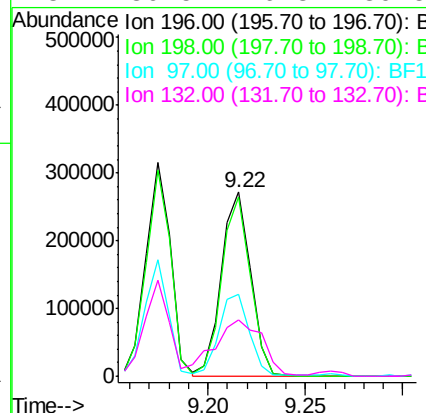
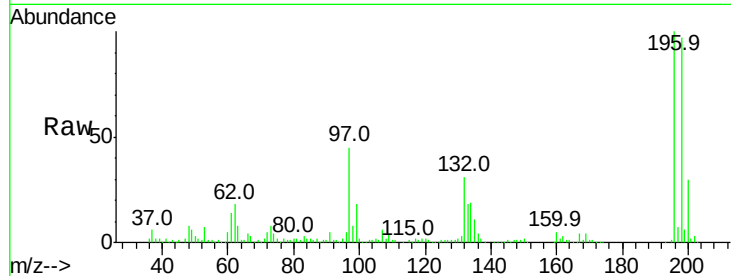
#43
 2,4,5-Trichlorophenol
 Concen: 47.310 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.01 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 S22-0029MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	284177		
198	97.2	74.6	112.0	
97	44.8	42.9	64.3	
132	30.5	26.3	39.5	

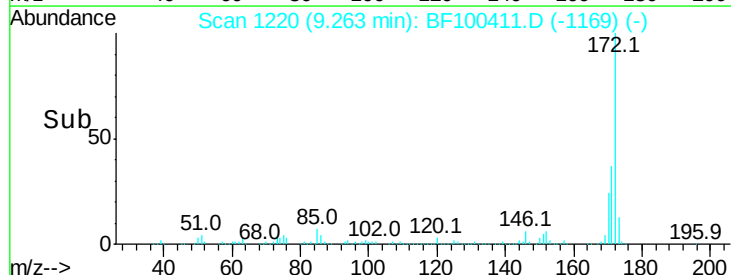
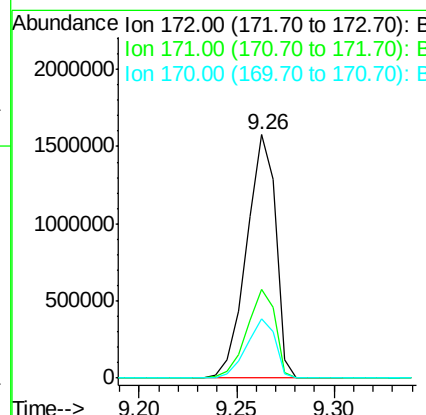
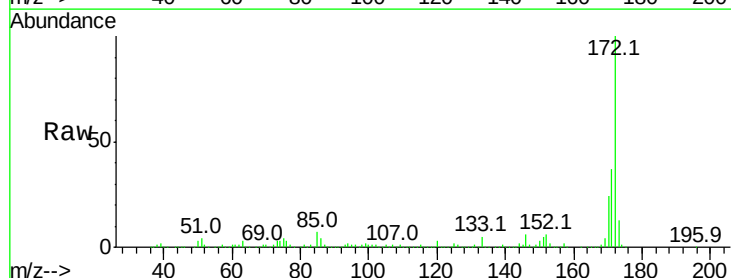
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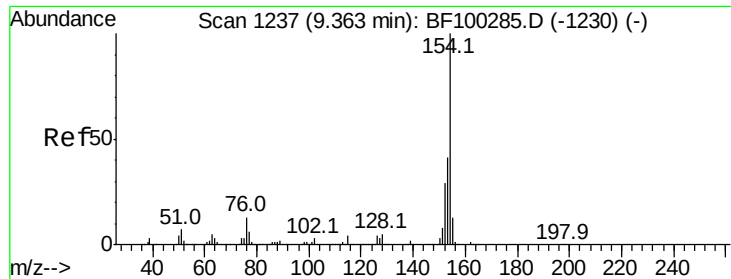
SOHIL
 11/13/2017 4:43:35 PM



#44
 2-Fluorobiphenyl
 Concen: 90.042 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1630978		
171	36.6	29.7	44.5	
170	24.3	19.6	29.4	





#45

1,1'-Biphenyl

Concen: 45.415 ng

RT: 9.36 min Scan# 1237

Delta R.T. -0.00 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

ClientSampleId :

S22-0029MSD

Tot Ion:154 Resp: 1083379

Ion Ratio Lower Upper

154 100

153 41.0 21.3 61.3

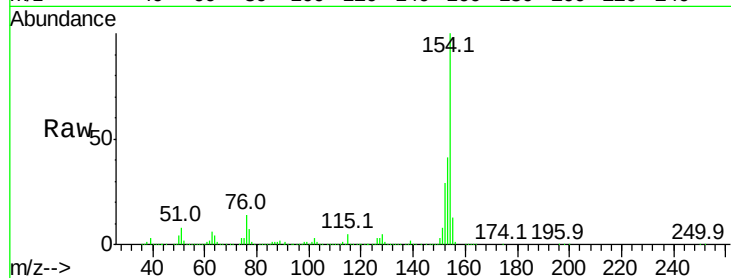
76 14.1 0.0 34.0

Manual Integrations

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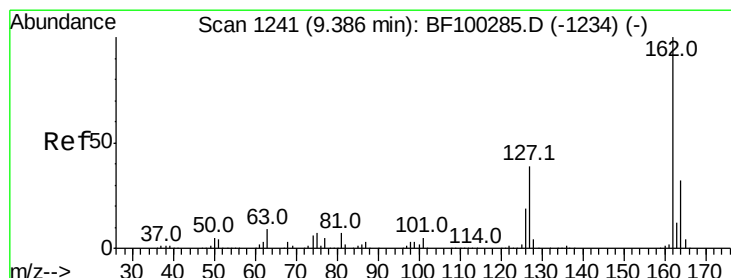
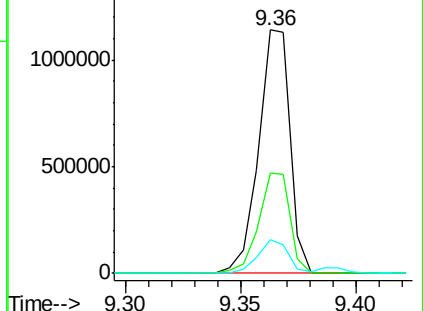
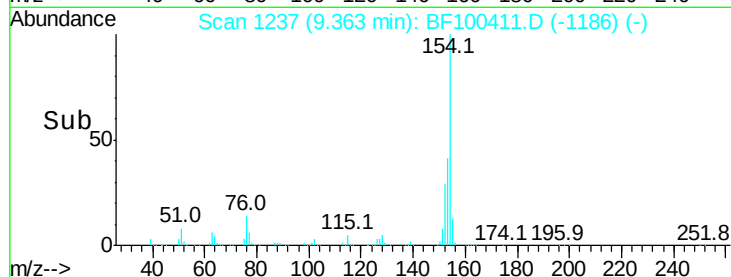
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 48.161 ng

RT: 9.39 min Scan# 1242

Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

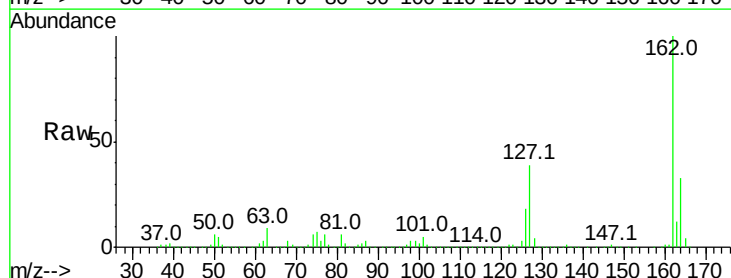
Tgt Ion:162 Resp: 833482

Ion Ratio Lower Upper

162 100

127 39.3 33.9 50.9

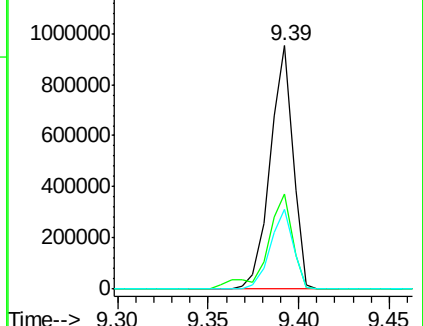
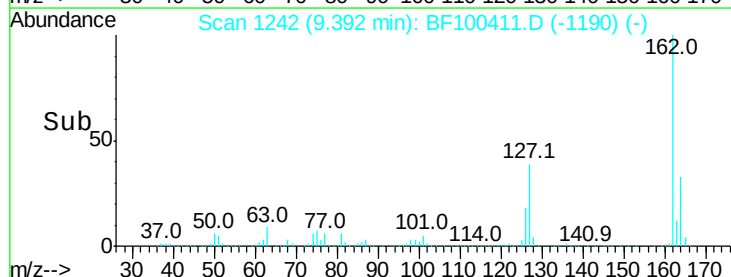
164 32.9 26.5 39.7

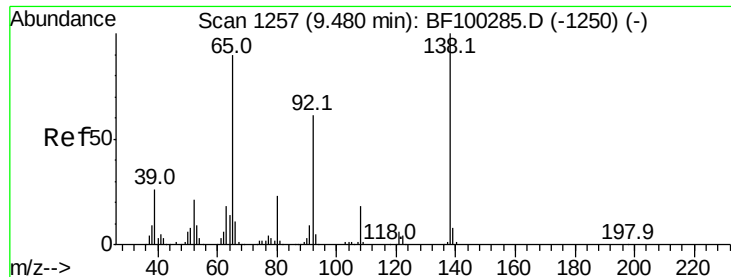


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 54.636 ng

RT: 9.49 min Scan# 1258

Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

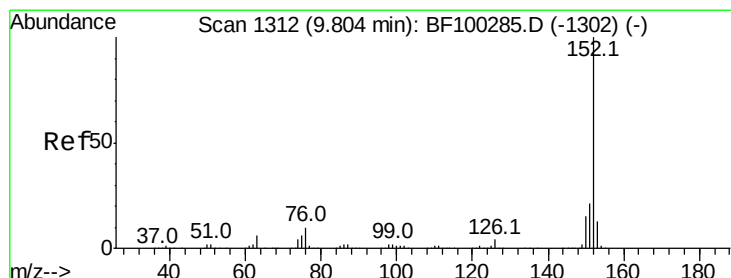
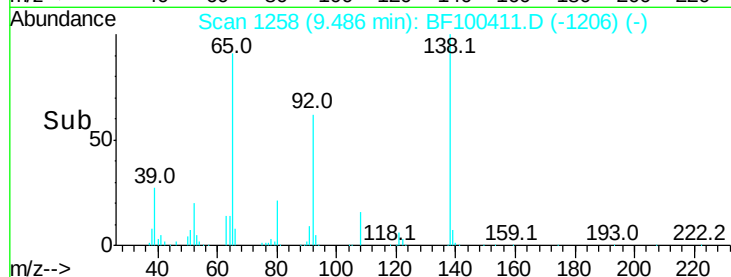
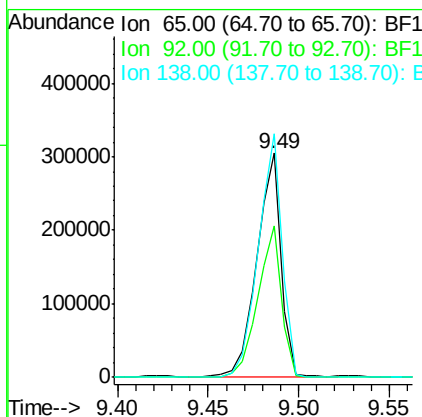
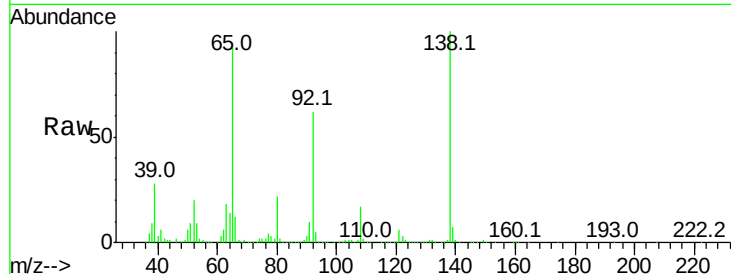
ClientSampleId :

S22-0029MSD

Tot Ion:	65	Resp:	281480
Ion Ratio	Lower	Upper	
65	100		
92	67.8	55.8	83.6
138	108.7	91.2	136.8

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#48

Acenaphthylene

Concen: 43.018 ng

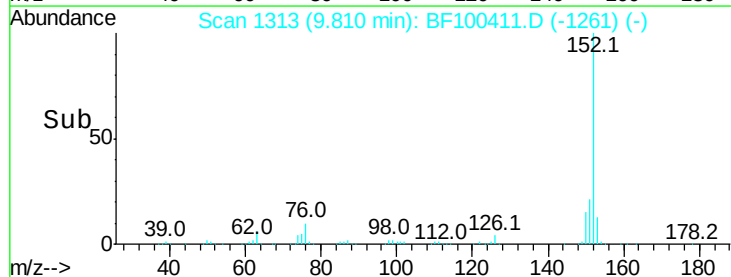
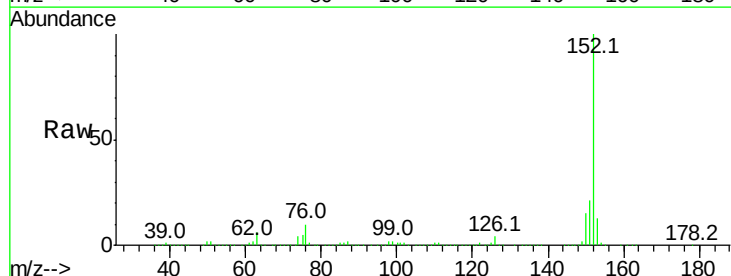
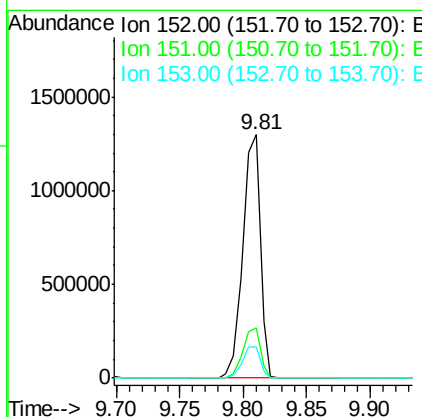
RT: 9.81 min Scan# 1313

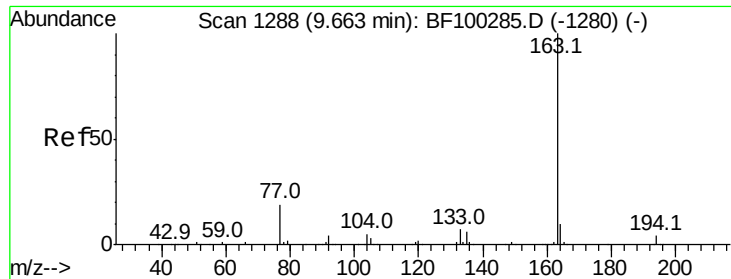
Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Tgt Ion:	152	Resp:	1233756
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.3	24.5
153	12.9	10.7	16.1





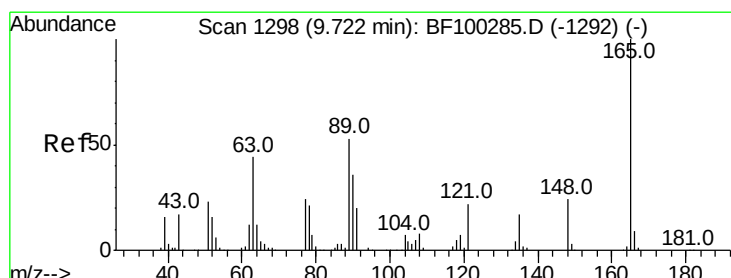
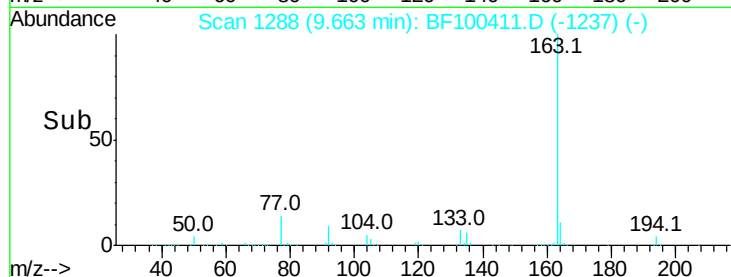
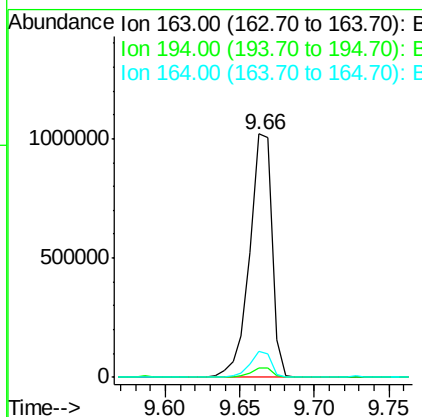
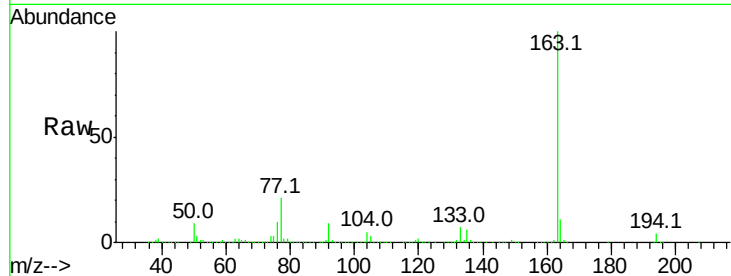
#49
Dimethylphthalate
Concen: 50.085 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.6	8.2	12.2

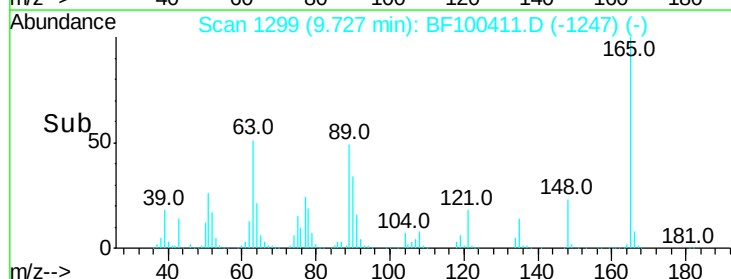
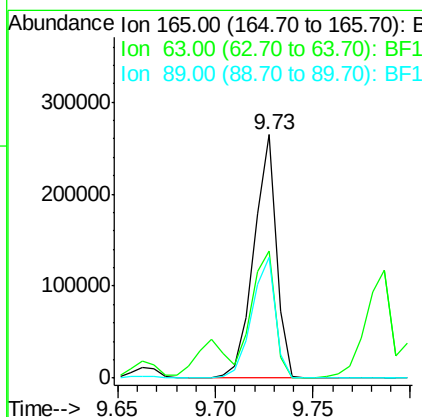
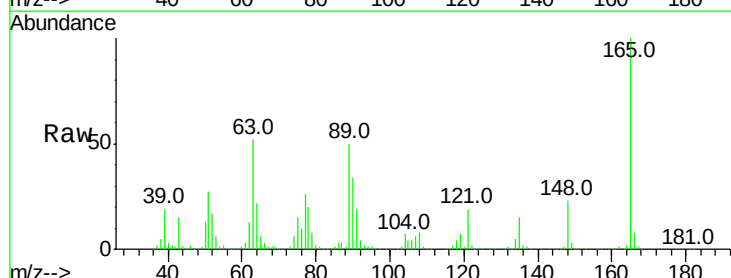
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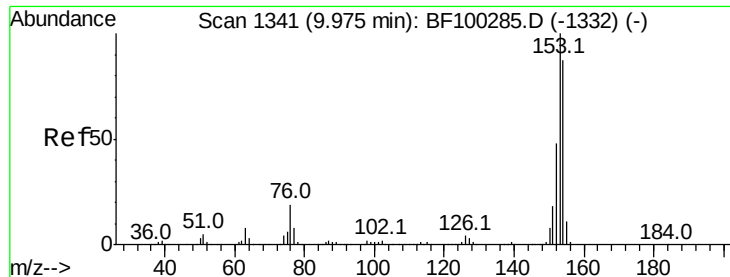
SOHIL
11/13/2017 4:43:35 PM



#50
2,6-Dinitrotoluene
Concen: 51.102 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	52.0	44.7	67.1
89	49.6	44.0	66.0





#51

Acenaphthene

Concen: 42.122 ng

RT: 9.98 min Scan# 1342

Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

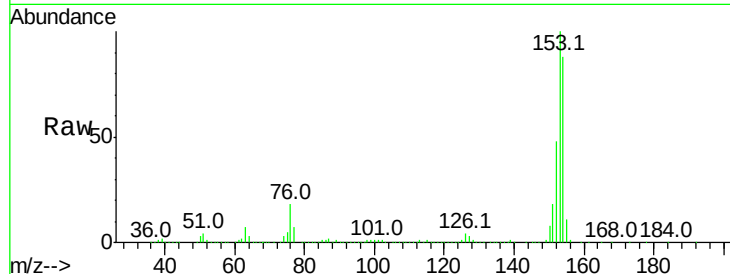
ClientSampleId :

S22-0029MSD

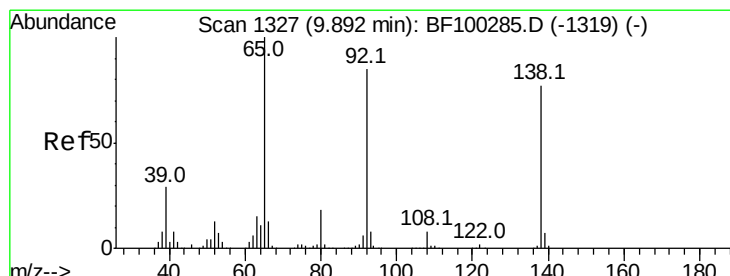
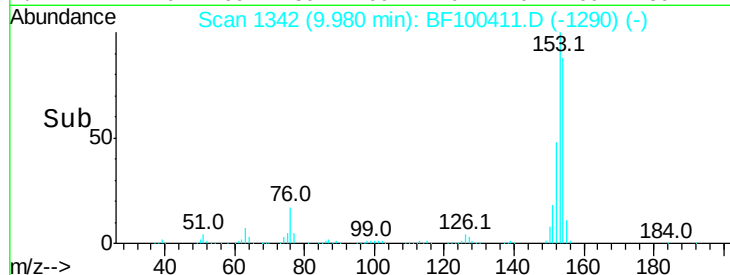
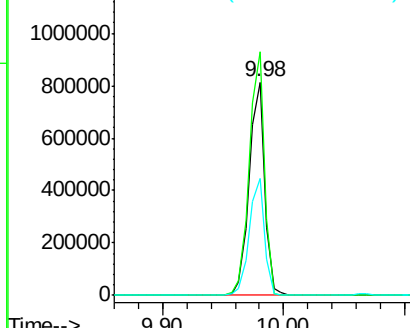
Tot Ion:	154	Resp:	734724
Ion Ratio	Lower	Upper	
154	100		
153	114.1	91.2	136.8
152	54.8	43.8	65.8

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



#52

3-Nitroaniline

Concen: 34.637 ng

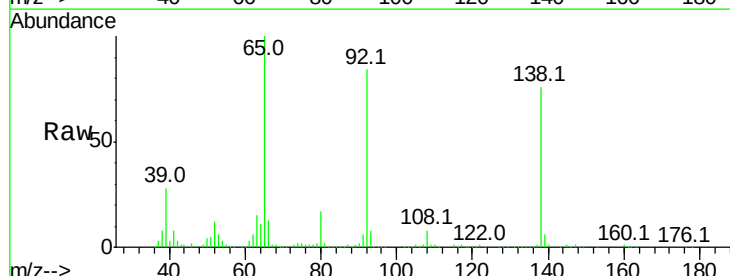
RT: 9.89 min Scan# 1327

Delta R.T. -0.00 min

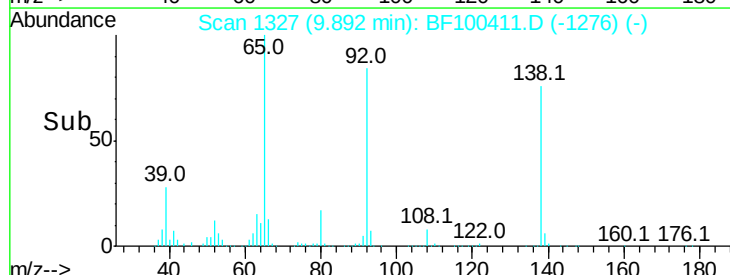
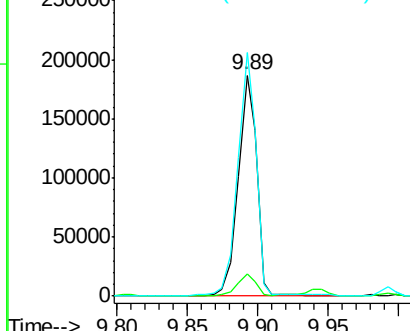
Lab File: BF100411.D

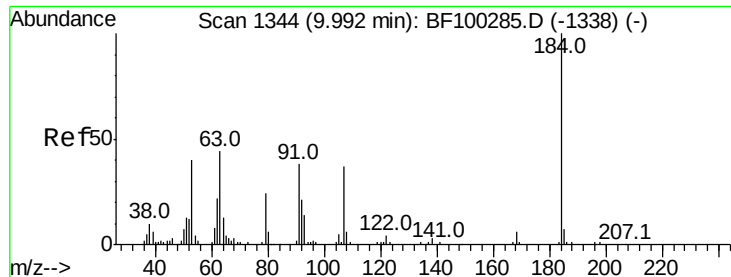
Acq: 11 Nov 2017 00:46

Tgt Ion:	138	Resp:	170494
Ion Ratio	Lower	Upper	
138	100		
108	10.1	9.4	14.0
92	110.1	89.4	134.2



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1





#53

2,4-Dinitrophenol

Concen: 23.137 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.00 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

ClientSampleId :

S22-0029MSD

Tot Ion:184 Resp: 22365

Ion Ratio Lower Upper

184 100

63 67.4 54.2 81.2

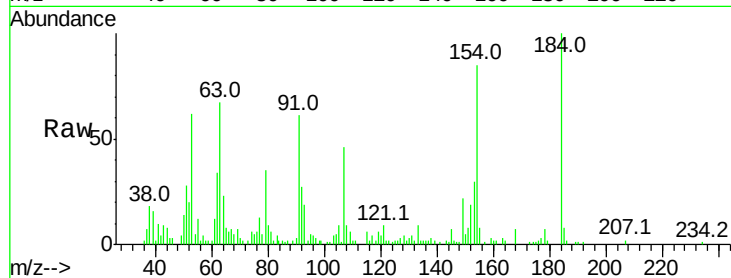
154 84.7 184.0 276.0#

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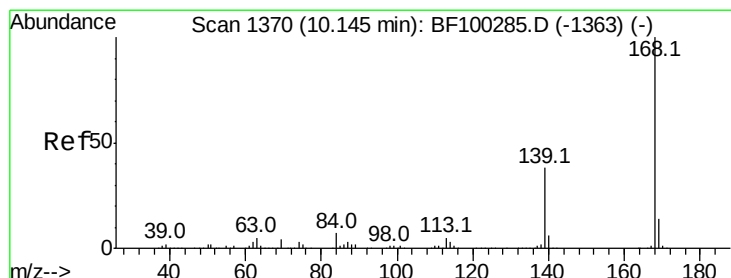
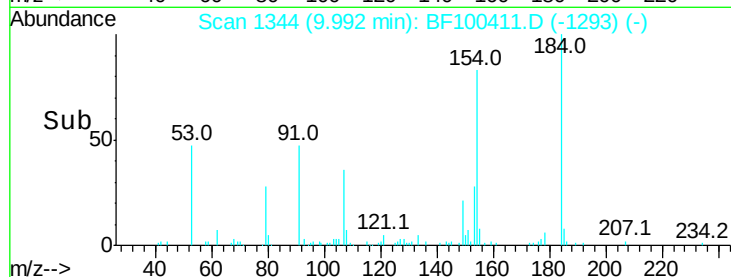
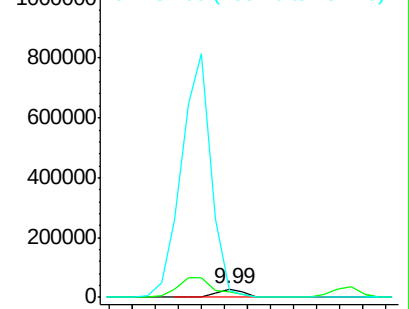
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 44.139 ng

RT: 10.15 min Scan# 1371

Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

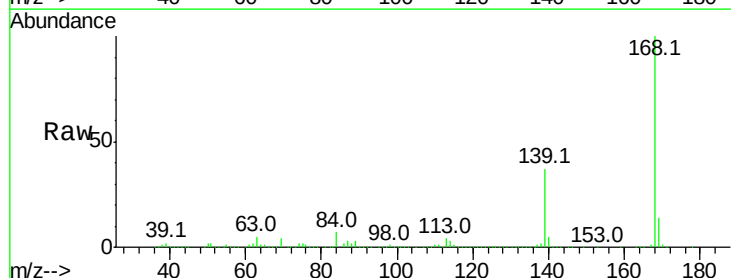
Tgt Ion:168 Resp: 1079063

Ion Ratio Lower Upper

168 100

139 36.5 30.1 45.1

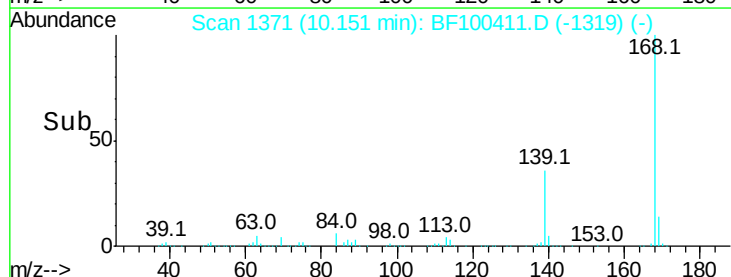
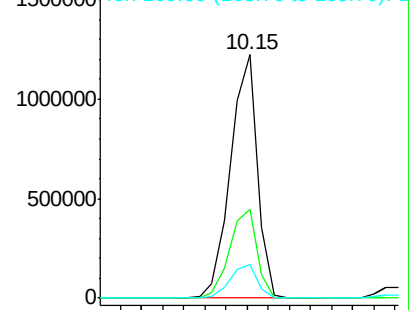
169 13.9 10.9 16.3

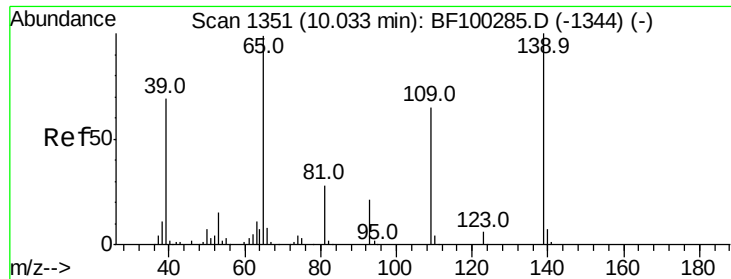


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 28.284 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

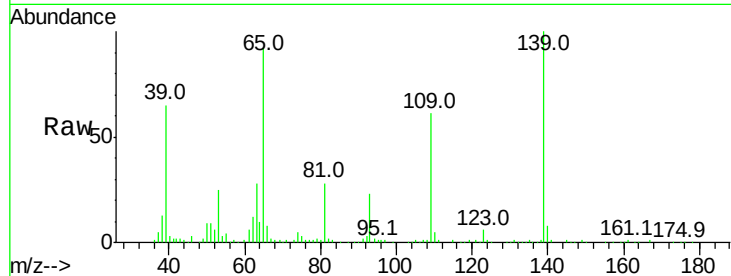
ClientSampleId :

S22-0029MSD

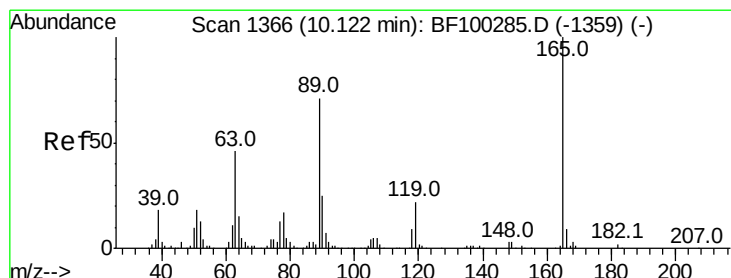
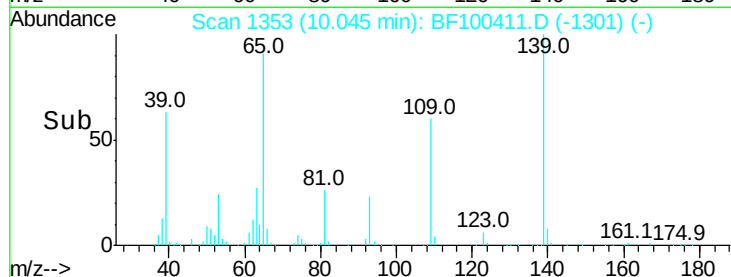
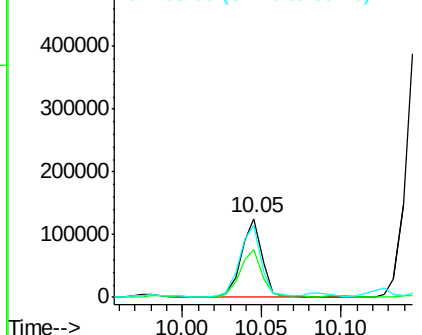
Tot Ion:	139	Resp:	113047
Ion Ratio	Lower	Upper	
139	100		
109	61.3	48.4	88.4
65	91.9	72.6	112.6

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Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 48.797 ng

RT: 10.13 min Scan# 1367

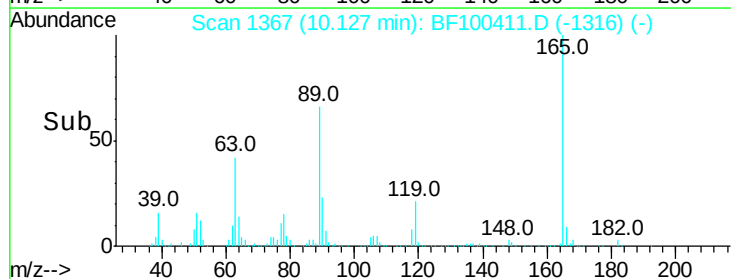
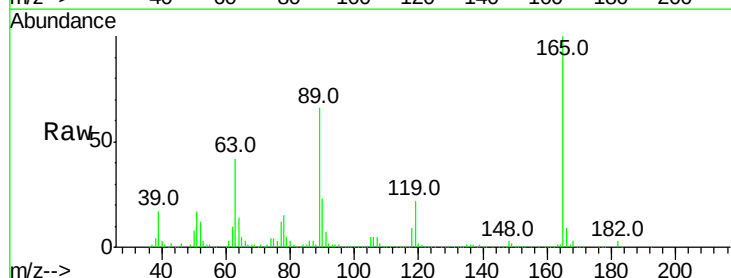
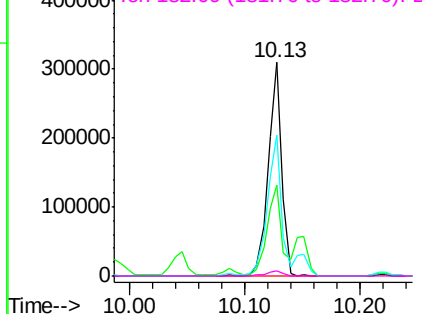
Delta R.T. -0.00 min

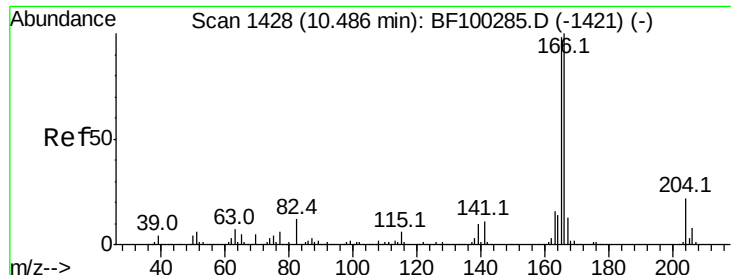
Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Tgt Ion:	165	Resp:	256611
Ion Ratio	Lower	Upper	
165	100		
63	42.4	36.4	54.6
89	66.1	57.8	86.6
182	2.6	1.6	2.4#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 42.156 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.00 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

ClientSampleId :

S22-0029MSD

Tot Ion:166 Resp: 754973

Ion Ratio Lower Upper

166 100

165 97.5 79.8 119.8

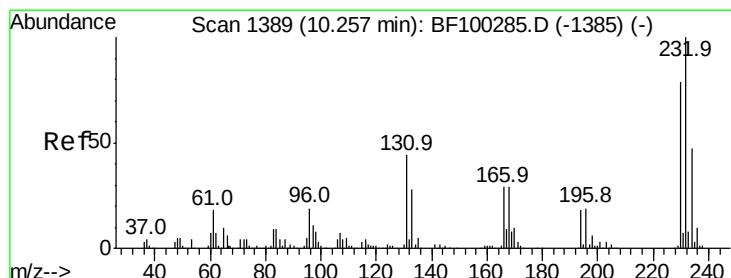
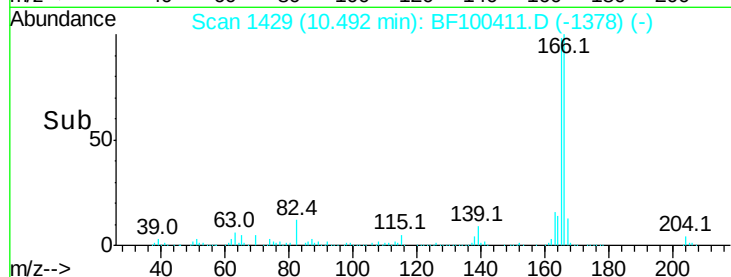
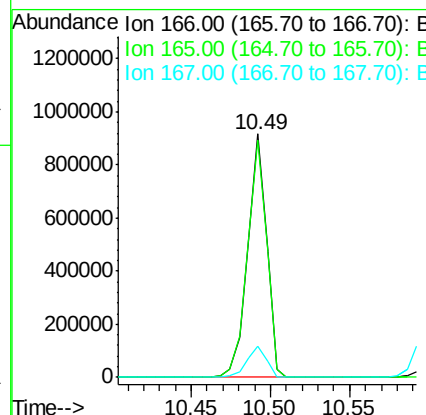
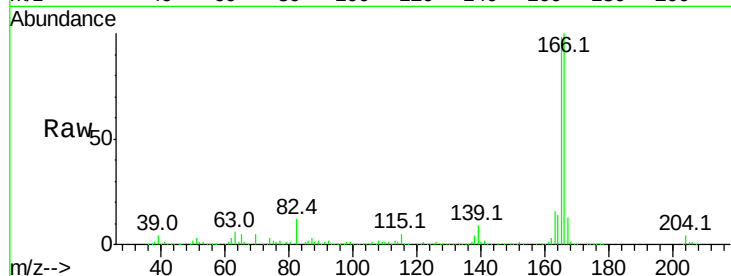
167 13.0 10.6 16.0

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#58

2,3,4,6-Tetrachlorophenol

Concen: 43.862 ng

RT: 10.26 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Tgt Ion:232 Resp: 215928

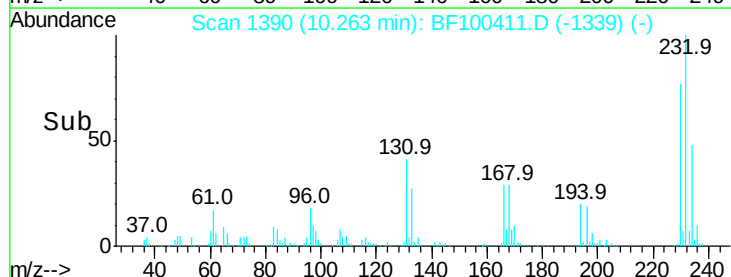
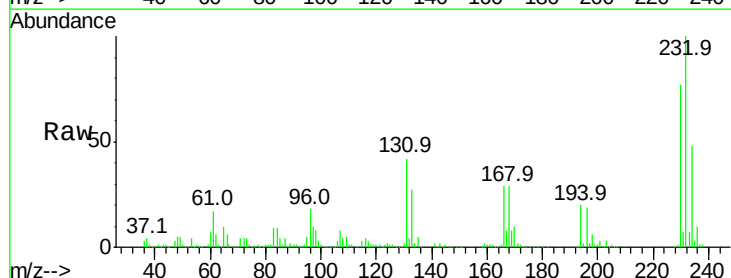
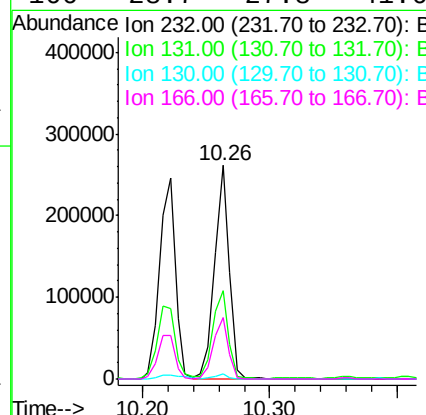
Ion Ratio Lower Upper

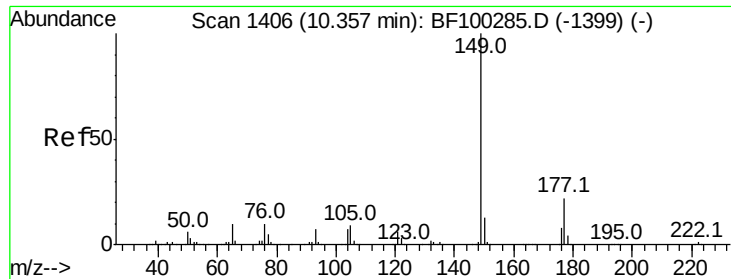
232 100

131 43.1 43.8 65.8#

130 2.3 2.1 3.1

166 28.7 27.8 41.6





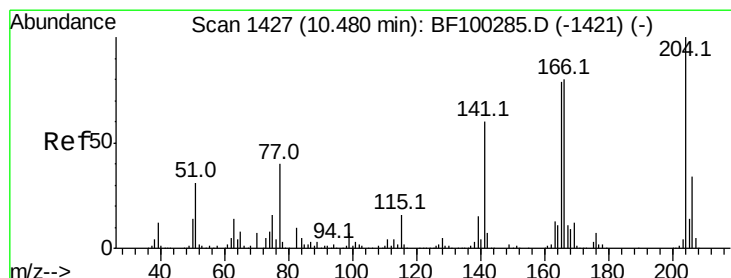
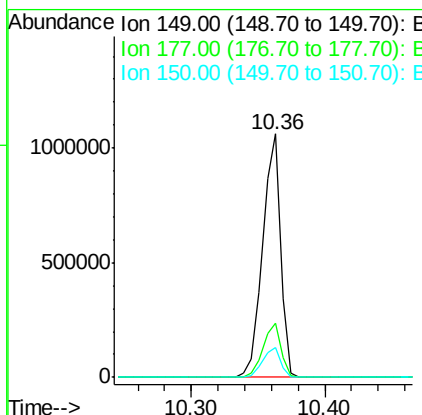
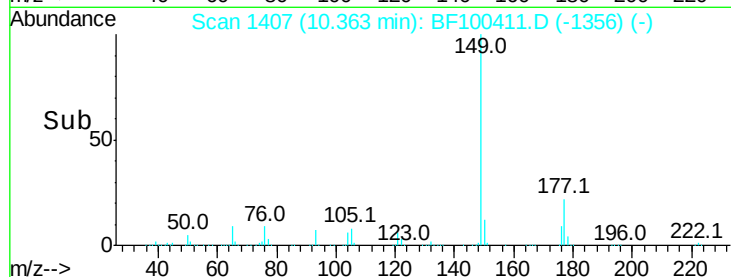
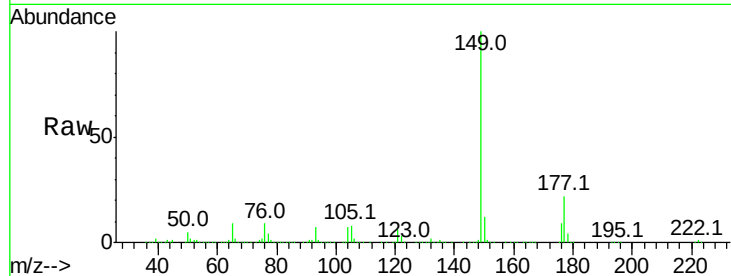
#59
Diethylphthalate
Concen: 46.361 ng
RT: 10.36 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampled :
S22-0029MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	977025		
177	22.2	16.1	24.1	
150	12.2	10.1	15.1	

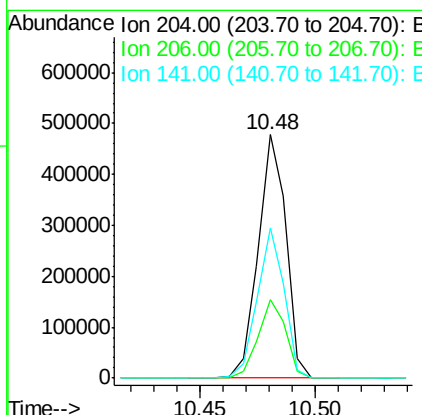
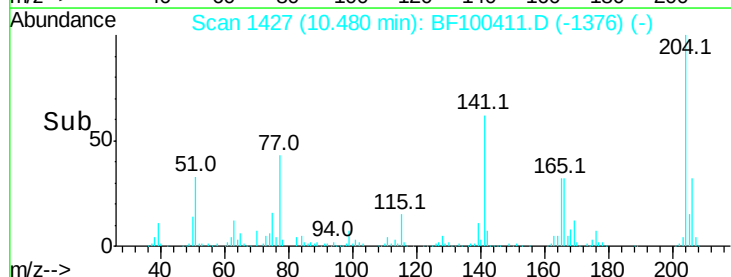
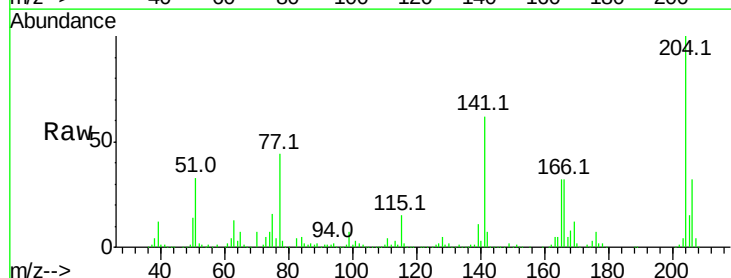
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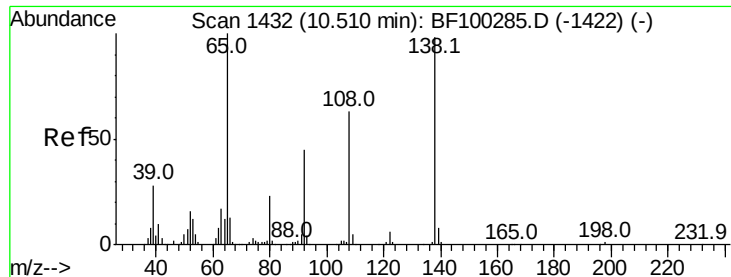
SOHIL
11/13/2017 4:43:35 PM



#60
4-Chlorophenyl-phenylether
Concen: 45.613 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	400736		
206	32.2	26.5	39.7	
141	61.7	54.6	81.8	





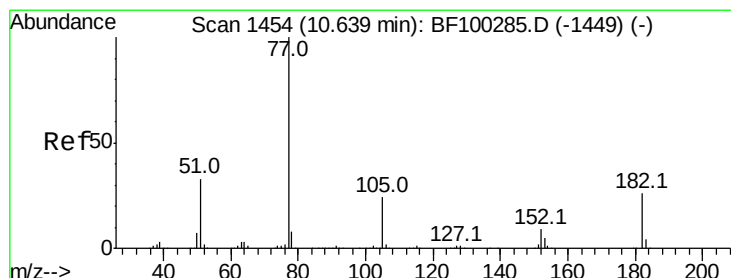
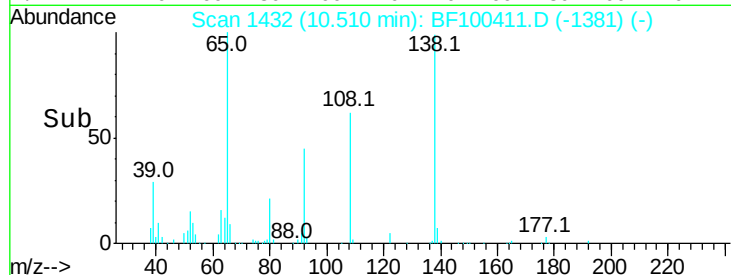
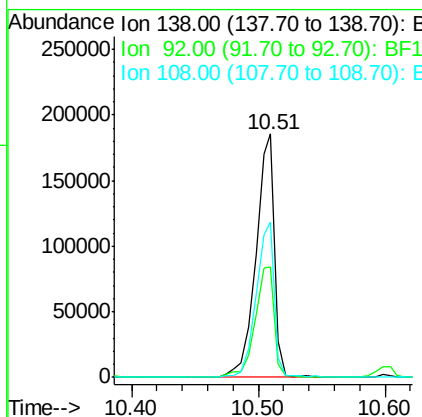
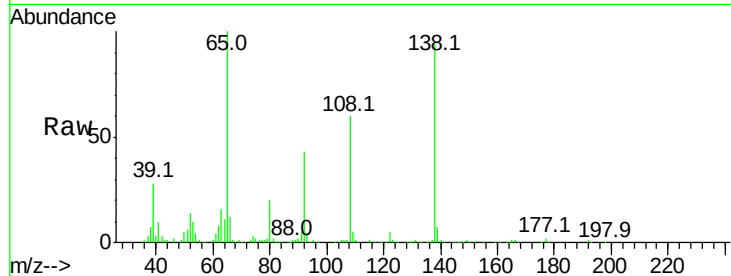
#61
4-Nitroaniline
Concen: 41.036 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	45.5	30.2	70.2
108	64.0	52.5	92.5

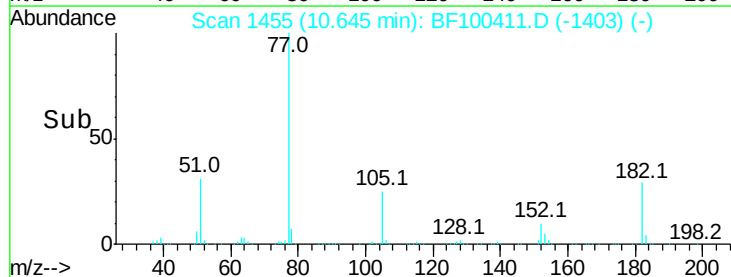
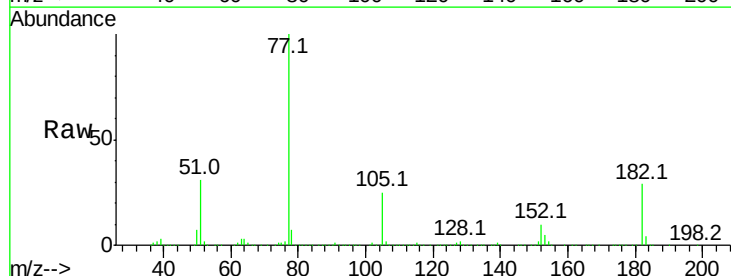
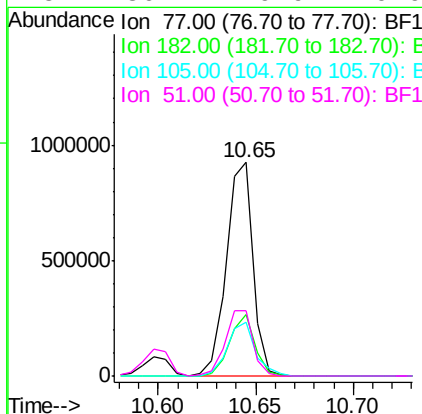
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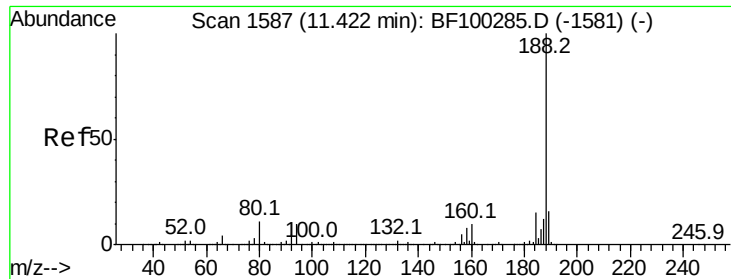
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#62
Azobenzene
Concen: 43.756 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.01 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Lower	Upper
77	100		
182	28.9	1.7	41.7
105	25.2	3.0	43.0
51	30.7	9.9	49.9





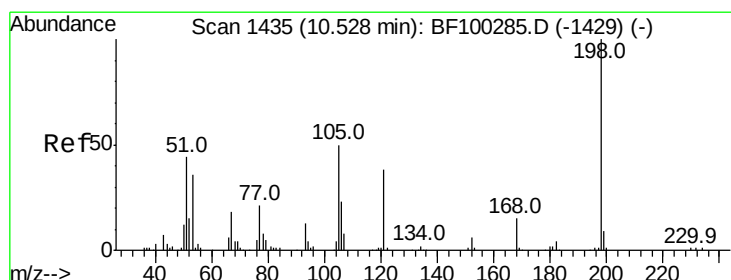
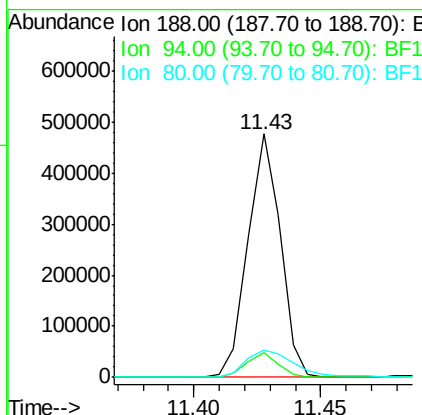
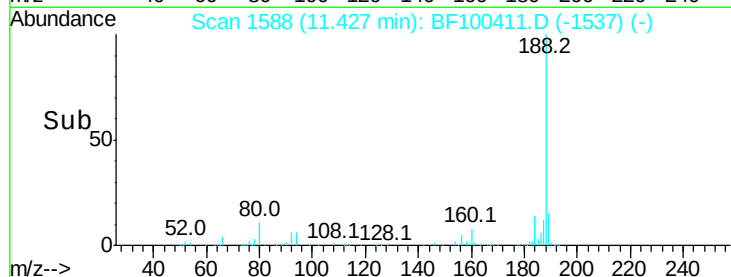
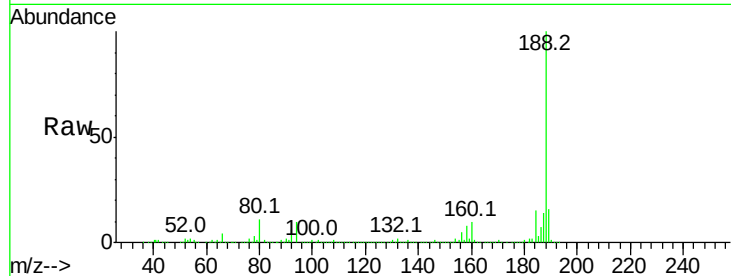
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	426277		
94	10.3		8.5	12.7
80	11.3		9.2	13.8

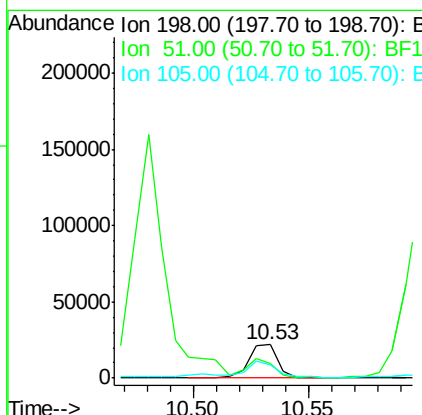
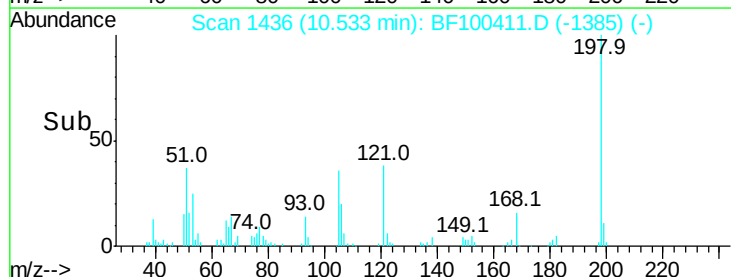
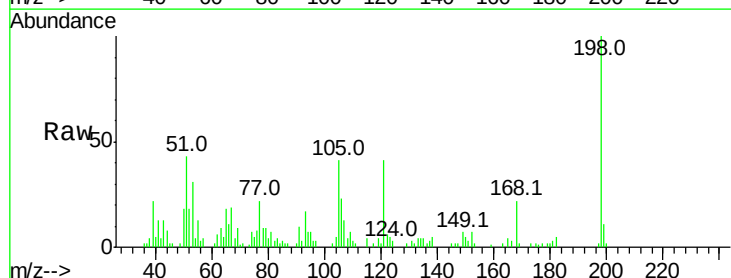
Manual Integrations
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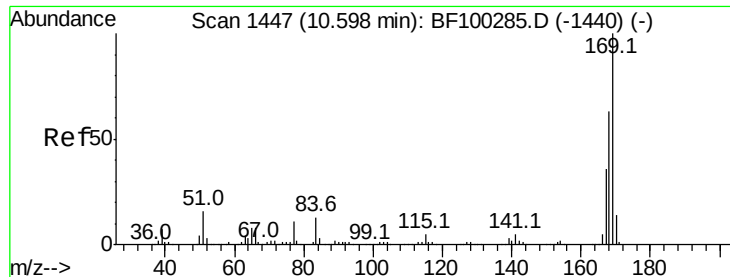
SOHIL
11/13/2017 4:43:35 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 15.932 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	19289		
51	43.4		37.7	77.7
105	40.8		36.3	76.3





#65

n-Nitrosodiphenylamine

Concen: 51.620 ng

RT: 10.60 min Scan# 1448

Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

ClientSampleId :

S22-0029MSD

Tot Ion:169 Resp: 765118

Ion Ratio Lower Upper

169 100

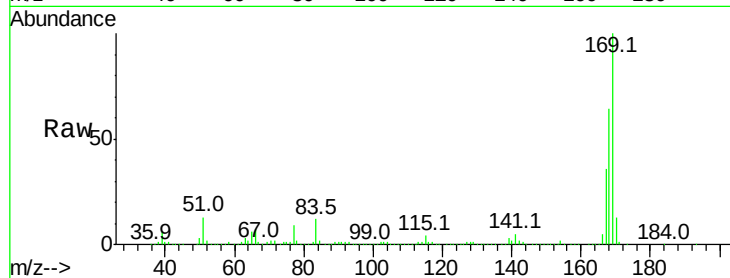
168 64.2 54.4 81.6

167 35.6 29.8 44.6

Manual Integrations
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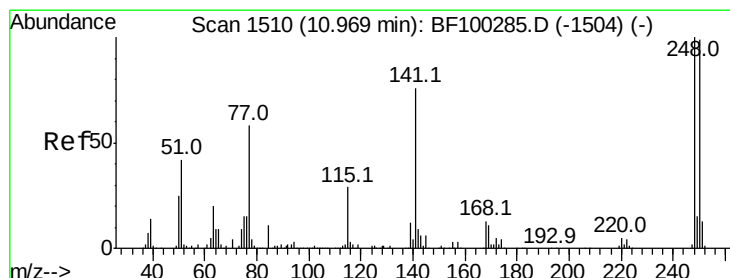
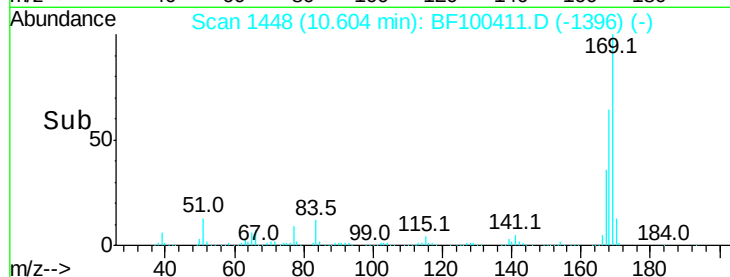
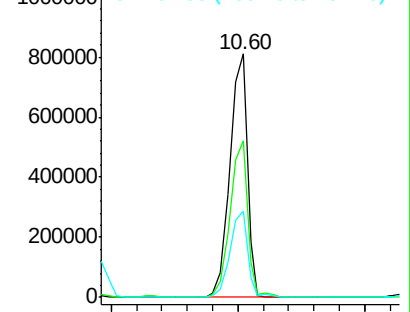
11/13/2017 4:43:35 PM



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 54.333 ng

RT: 10.97 min Scan# 1511

Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

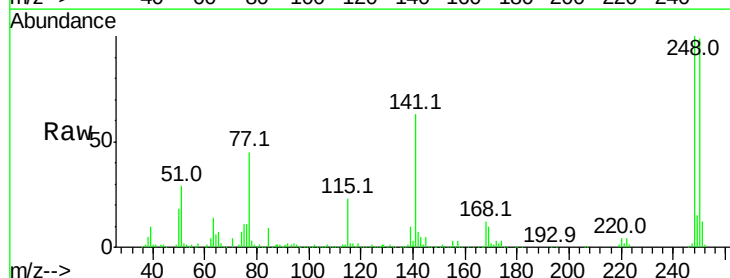
Tgt Ion:248 Resp: 248283

Ion Ratio Lower Upper

248 100

250 98.8 76.9 115.3

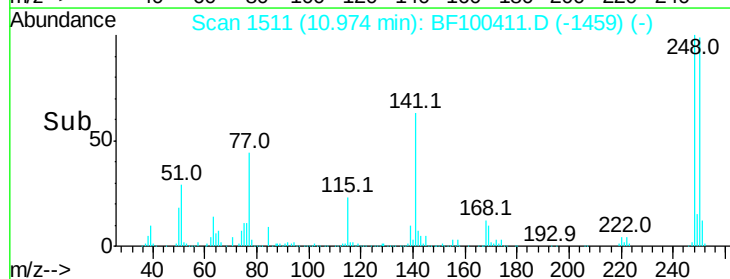
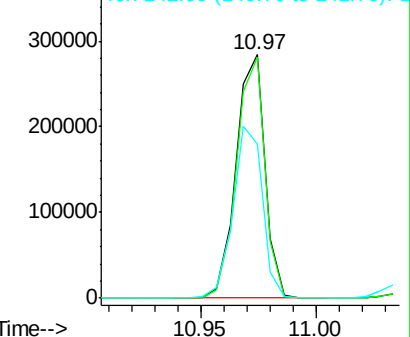
141 63.5 74.4 111.6#

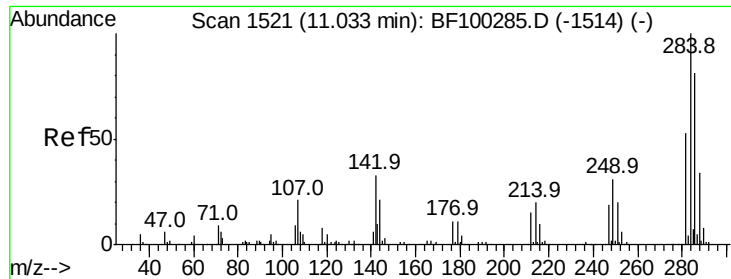


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 50.757 ng

RT: 11.04 min Scan# 1522

Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

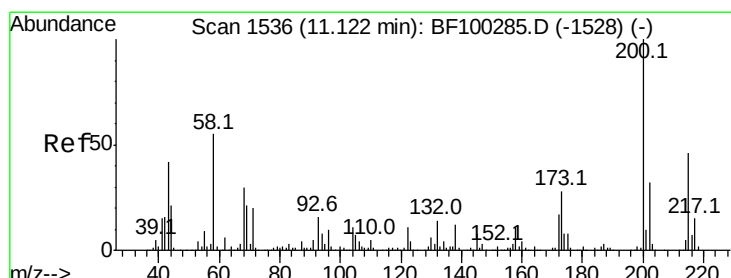
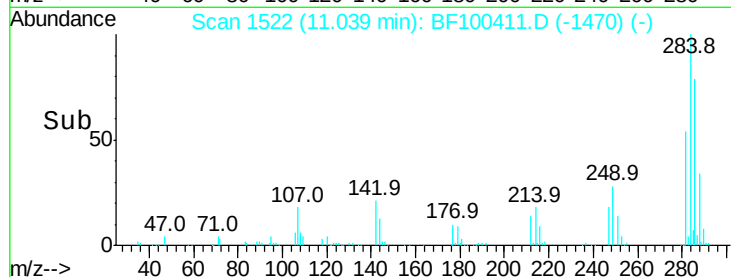
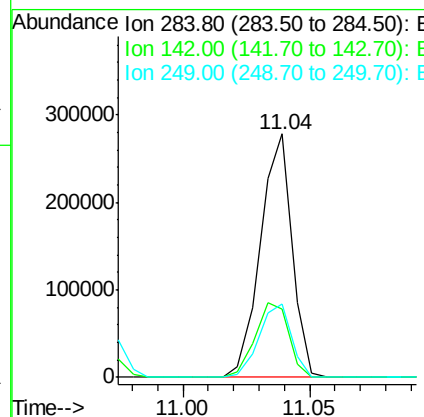
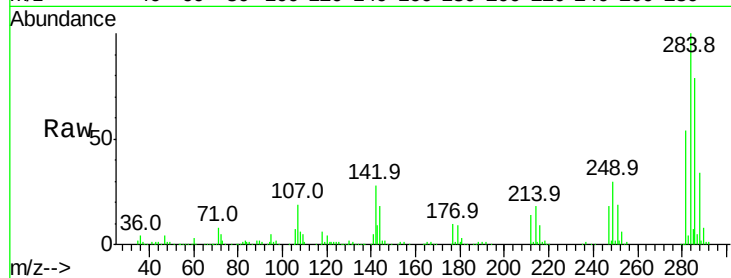
ClientSampleId :

S22-0029MSD

Tot Ion:	284	Resp:	242581
Ion Ratio	Lower	Upper	
284	100		
142	28.0	34.6	52.0#
249	30.0	24.8	37.2

Manual Integrations
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#68

Atrazine

Concen: 52.454 ng

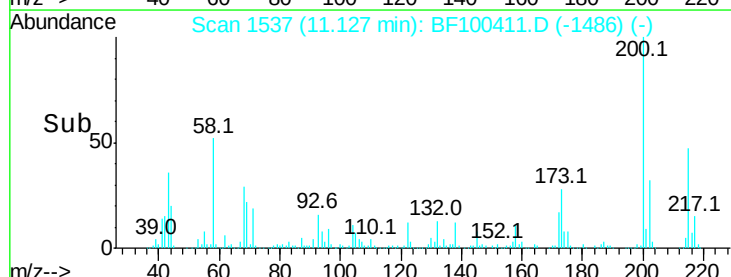
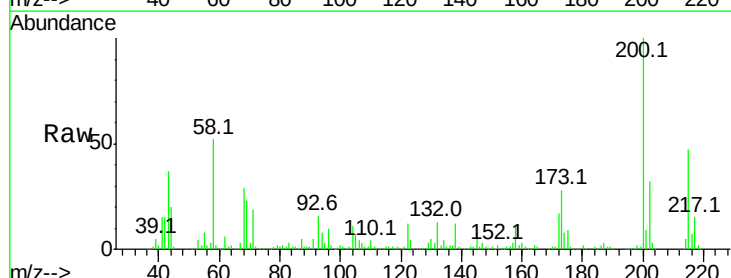
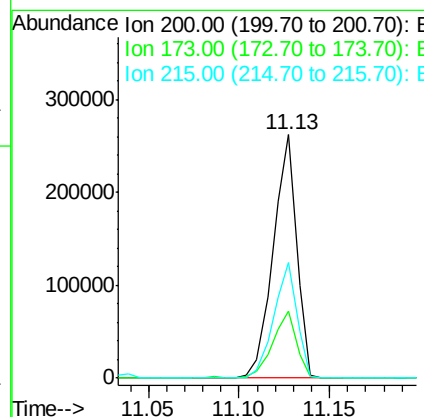
RT: 11.13 min Scan# 1537

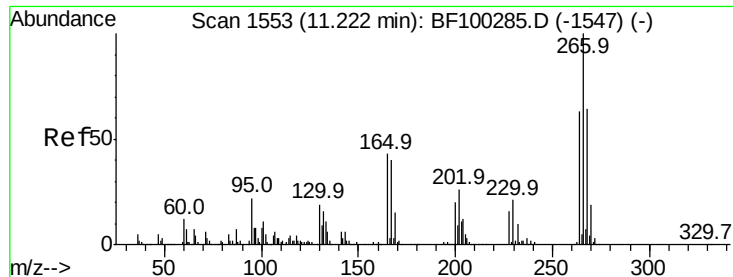
Delta R.T. -0.00 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Tgt Ion:	200	Resp:	235347
Ion Ratio	Lower	Upper	
200	100		
173	27.5	8.6	48.6
215	47.4	25.1	65.1





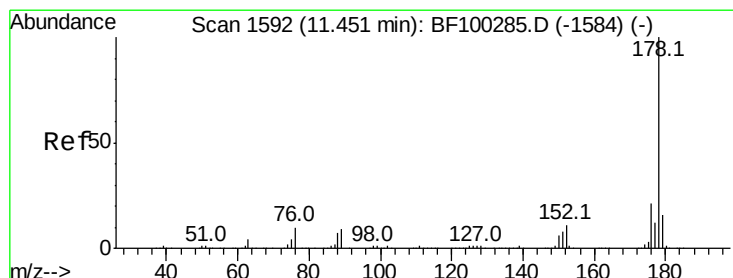
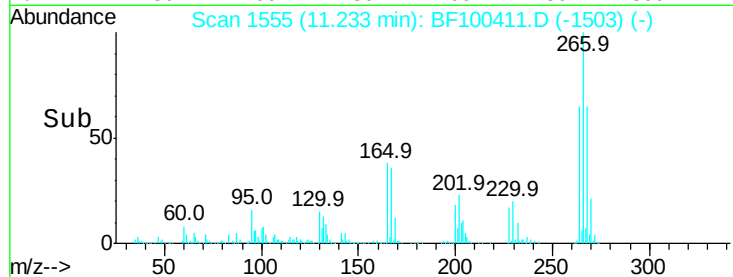
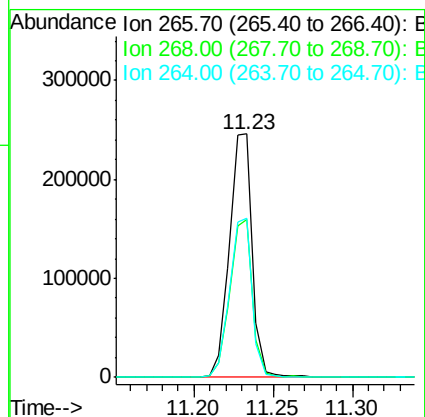
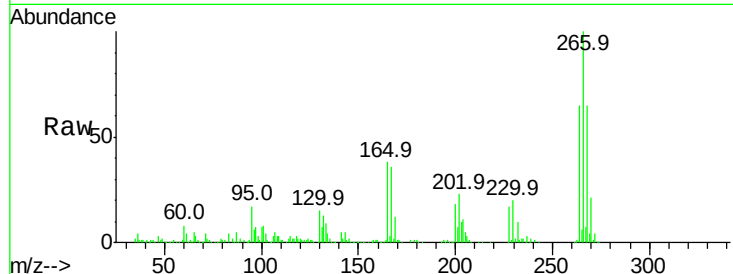
#69
 Pentachlorophenol
 Concen: 71.786 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. 0.01 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 S22-0029MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	246011		
268	65.0		51.1	76.7
264	65.2		49.5	74.3

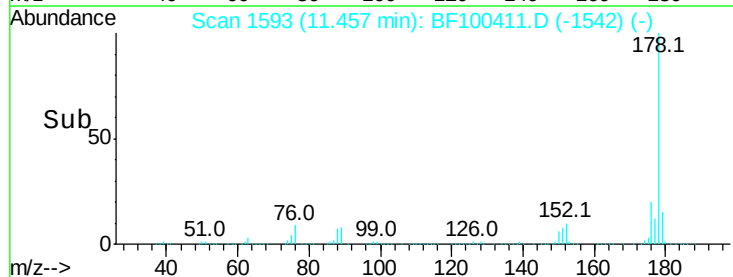
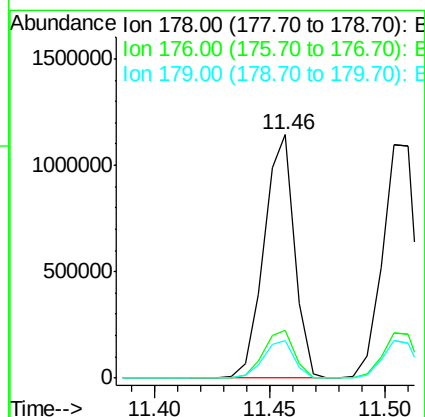
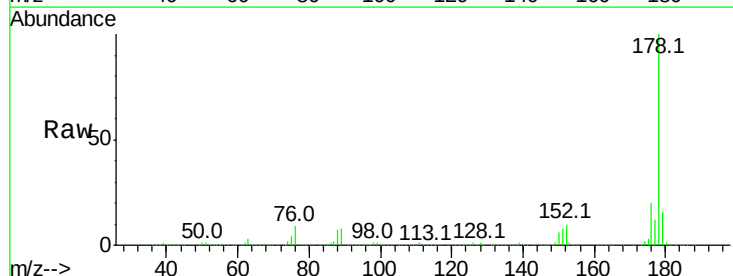
Manual Integrations
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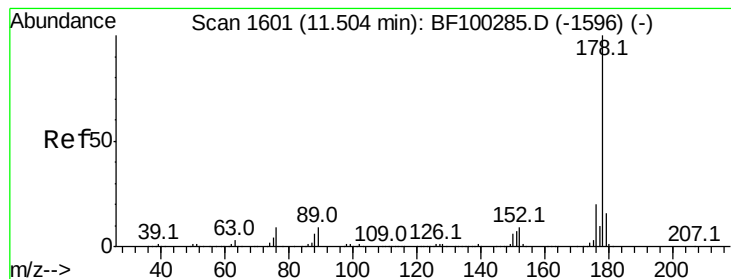
SOHIL
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#70
 Phenanthrene
 Concen: 46.675 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.00 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1047578		
176	19.7		15.8	23.8
179	15.7		13.0	19.6





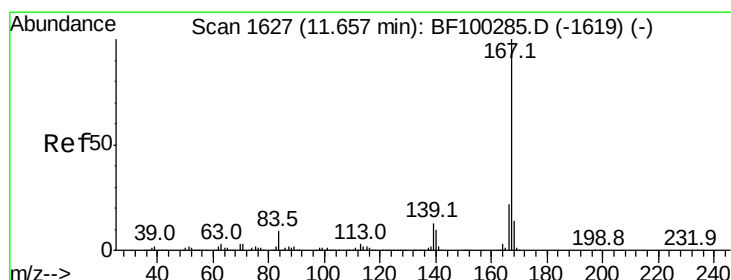
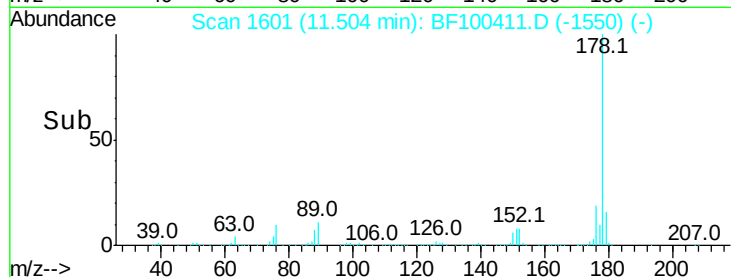
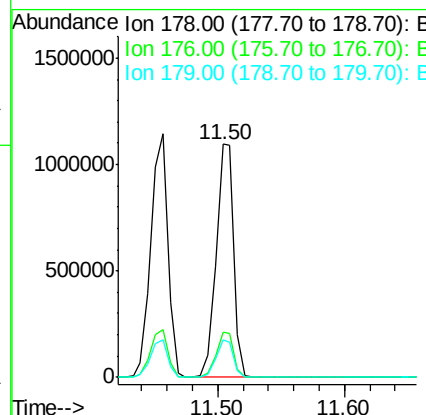
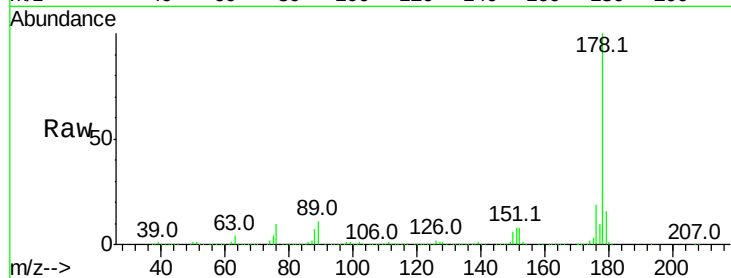
#71
 Anthracene
 Concen: 47.122 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.00 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 S22-0029MSD

Tot Ion:178 Resp: 1073002
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 16.1 12.6 19.0

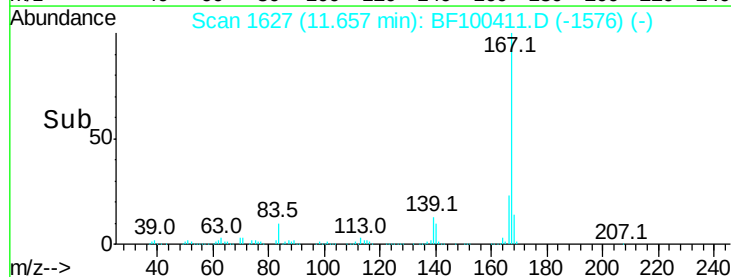
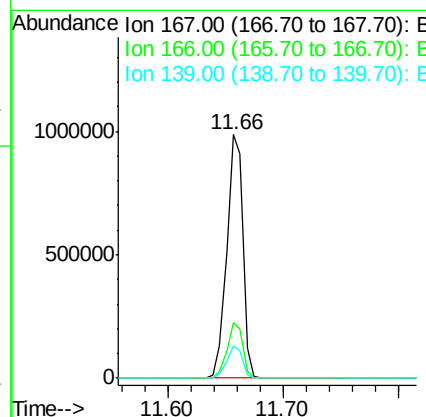
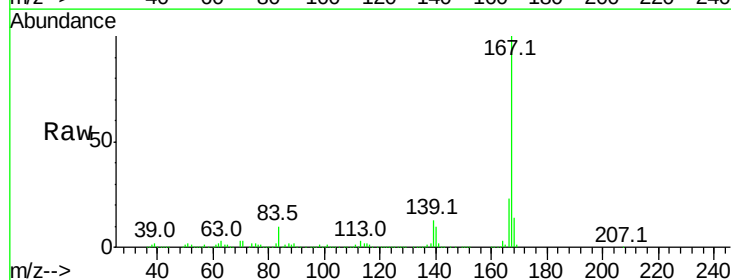
Manual Integrations
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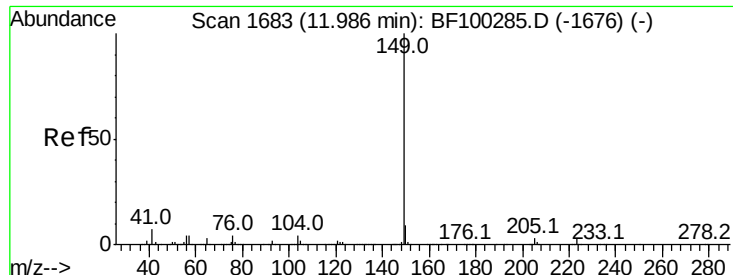
SOHIL
 11/13/2017 4:43:35 PM



#72
 Carbazole
 Concen: 45.296 ng
 RT: 11.66 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Tgt Ion:167 Resp: 951700
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.6 26.4
 139 13.4 10.9 16.3





#73

Di-n-butylphthalate

Concen: 53.691 ng

RT: 11.99 min Scan# 1683

Delta R.T. -0.00 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

ClientSampleId :

S22-0029MSD

Tot Ion:149 Resp: 1320126

Ion Ratio Lower Upper

149 100

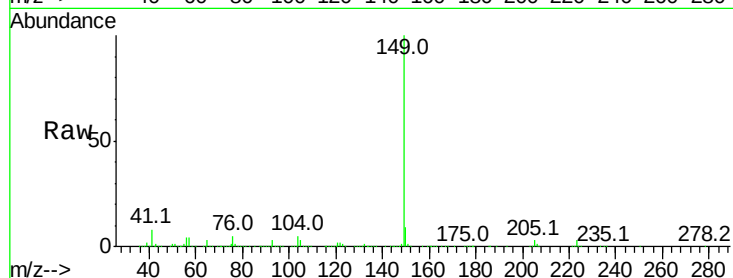
150 9.1 7.8 11.6

104 4.5 3.8 5.8

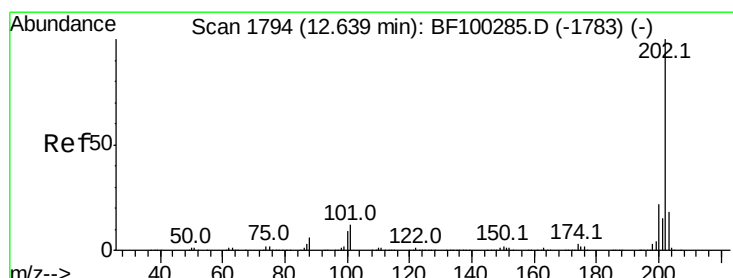
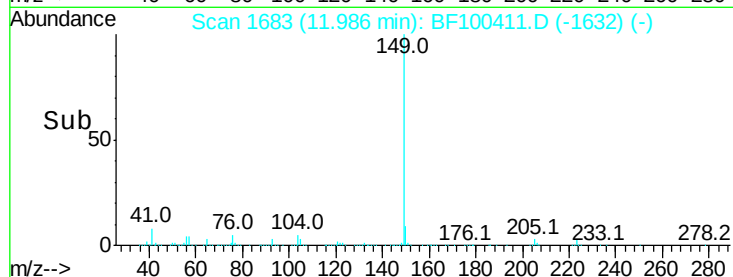
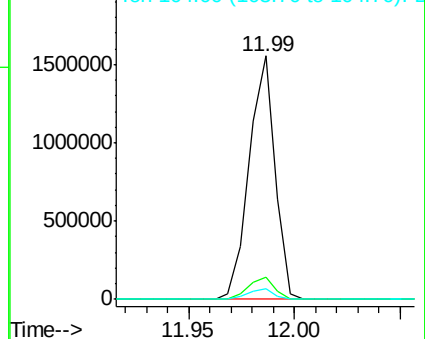
Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 44.395 ng

RT: 12.64 min Scan# 1795

Delta R.T. 0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

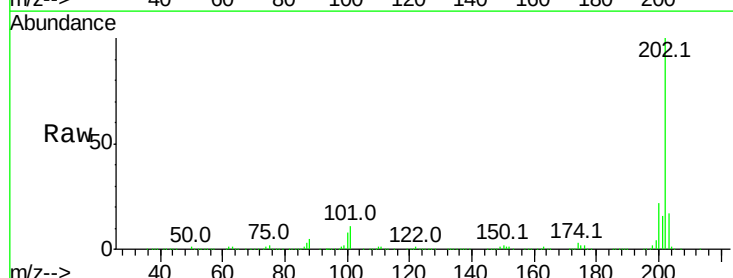
Tgt Ion:202 Resp: 1055995

Ion Ratio Lower Upper

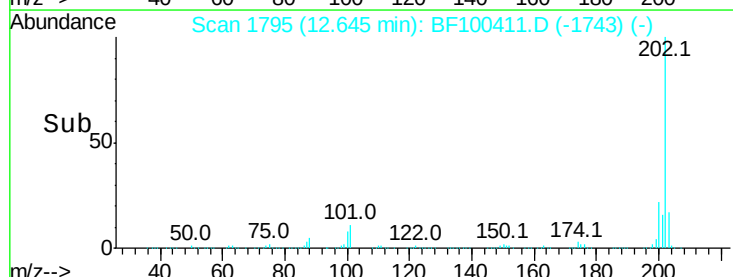
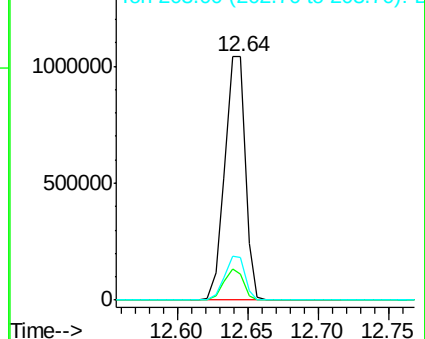
202 100

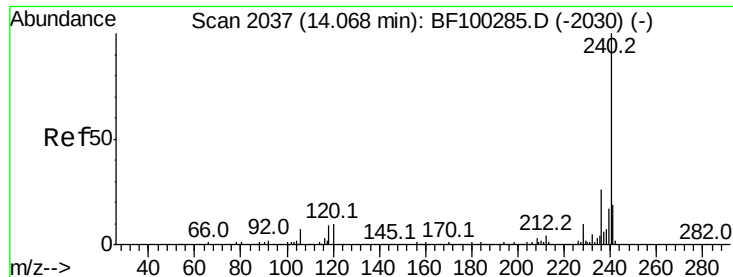
101 10.8 0.0 34.1

203 17.4 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Instrument :

BNA_F

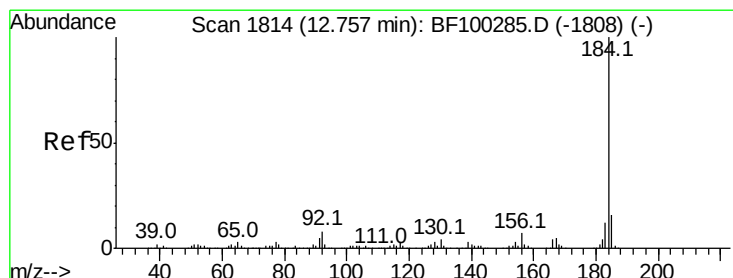
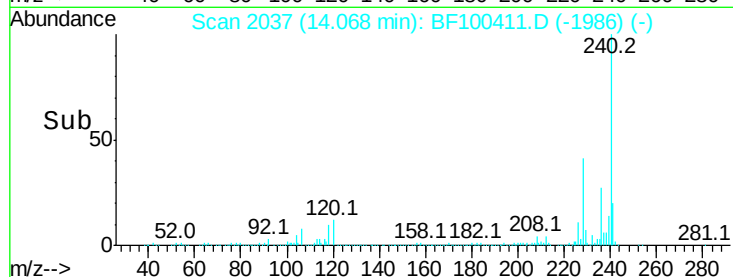
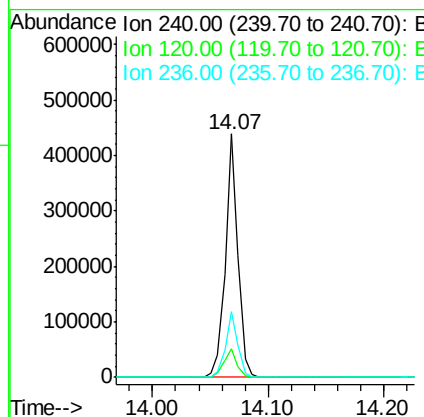
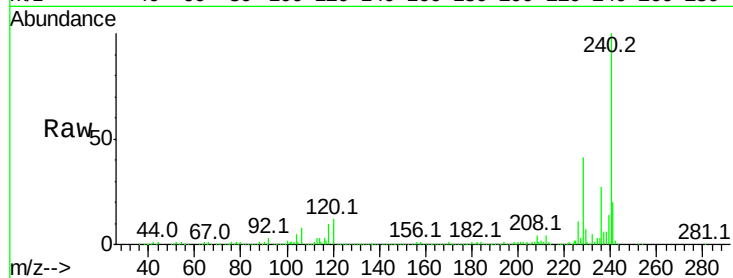
ClientSampleId :

S22-0029MSD

Tot Ion:	240	Resp:	330092
Ion Ratio	Lower	Upper	
240	100		
120	11.6	9.5	14.3
236	26.8	20.7	31.1

Manual Integrations
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SOHIL
11/13/2017 4:43:35 PM



#76

Benzidine

Concen: 19.848 ng

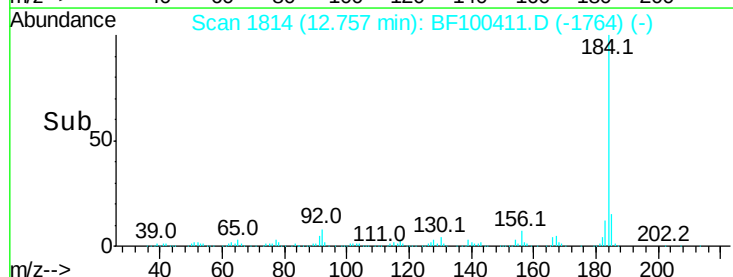
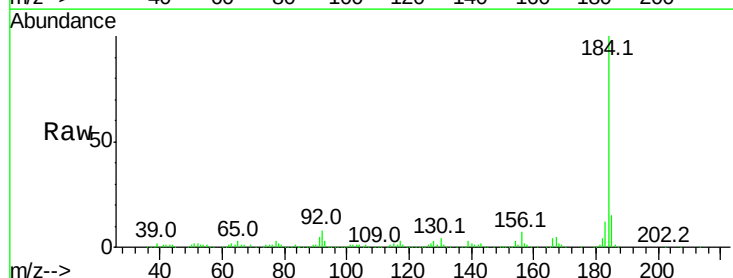
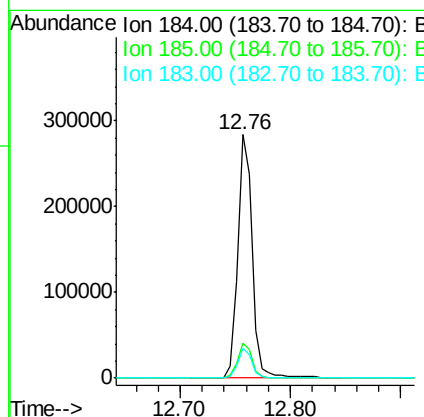
RT: 12.76 min Scan# 1814

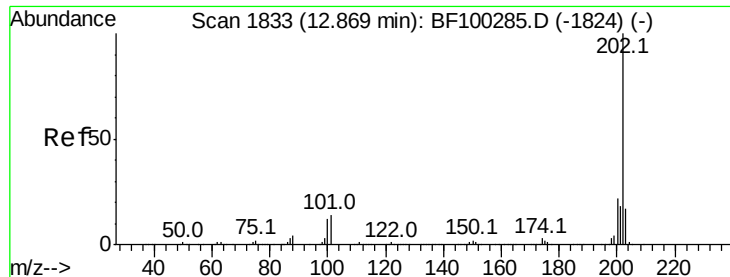
Delta R.T. -0.01 min

Lab File: BF100411.D

Acq: 11 Nov 2017 00:46

Tgt Ion:	184	Resp:	262386
Ion Ratio	Lower	Upper	
184	100		
185	14.6	12.6	18.8
183	12.4	9.3	13.9





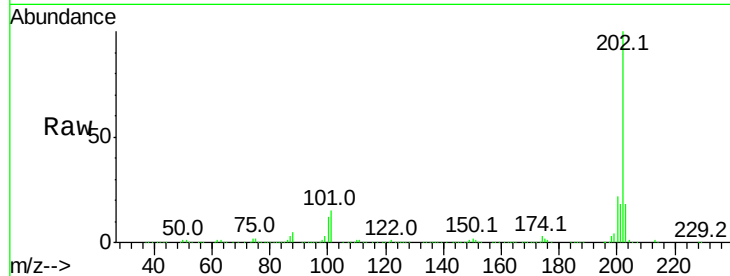
#77
Pvrene
Concen: 46.019 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

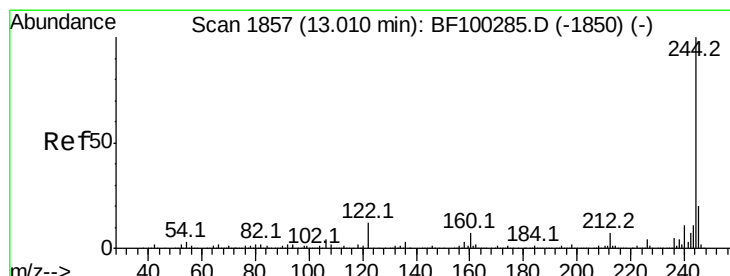
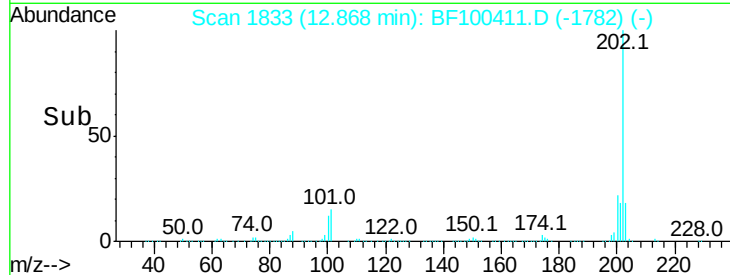
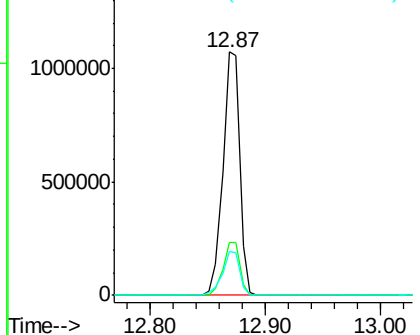
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	18.0	14.3	21.5

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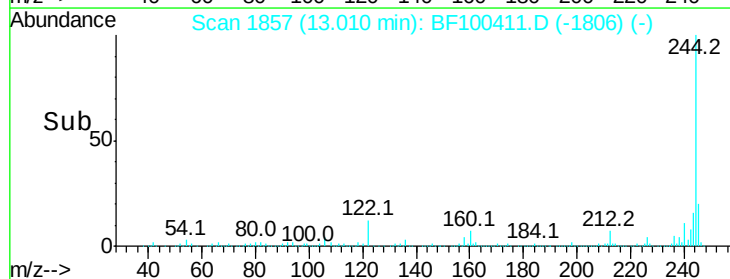
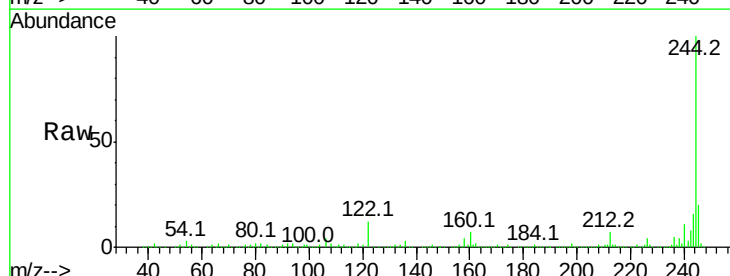
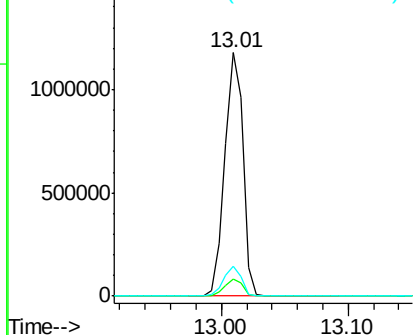
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

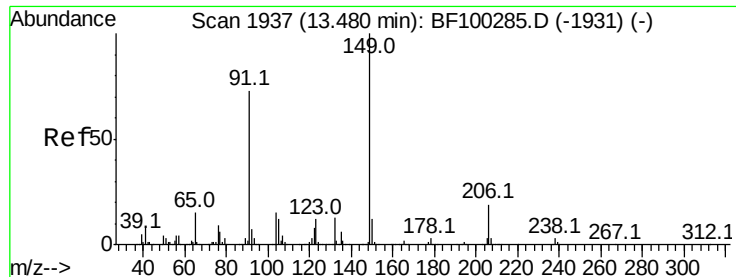


#78
Terphenyl-d14
Concen: 81.790 ng
RT: 13.01 min Scan# 1857
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.0	11.0	16.4

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





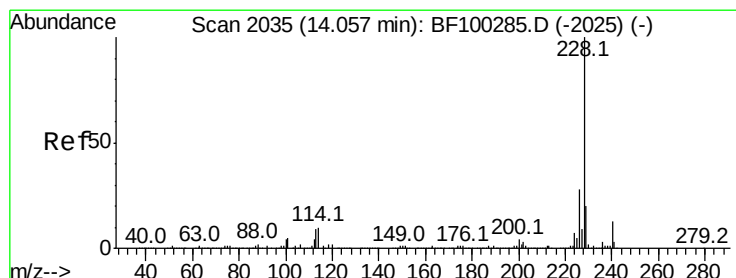
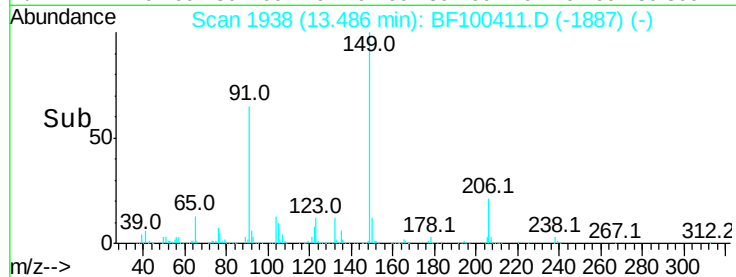
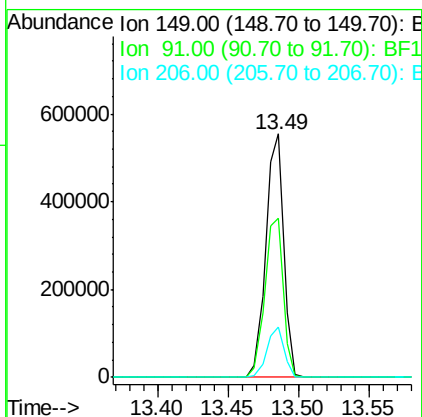
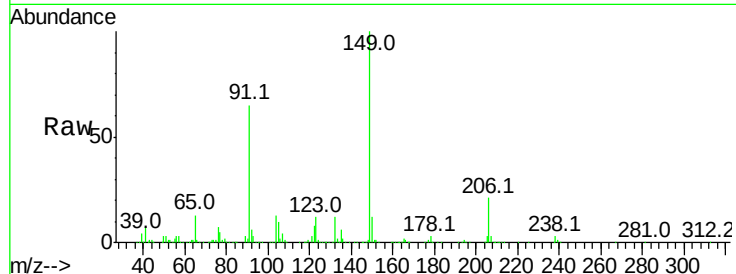
#79
Butylbenzylphthalate
Concen: 52.000 ng
RT: 13.49 min Scan# 1938
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	498990		
91	65.1	56.8	85.2	
206	20.7	14.1	21.1	

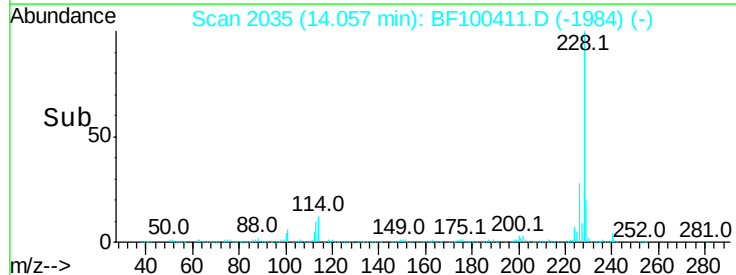
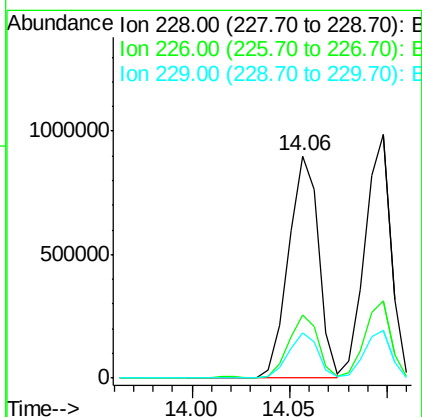
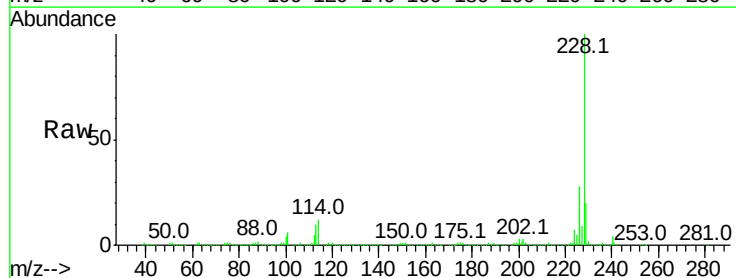
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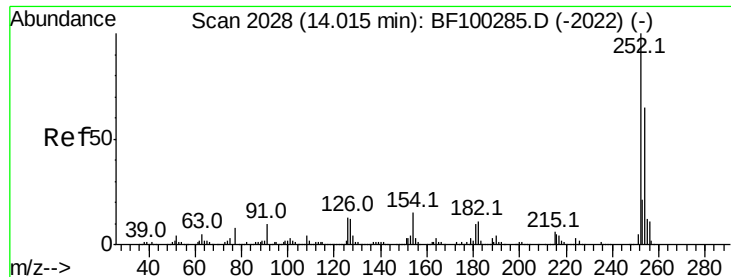
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#80
Benzo(a)anthracene
Concen: 48.265 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	959420		
226	28.4	22.6	33.8	
229	20.0	15.8	23.6	





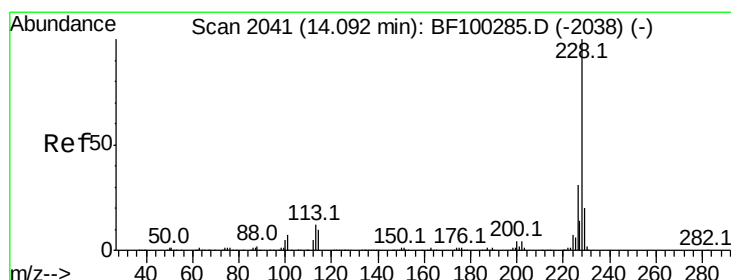
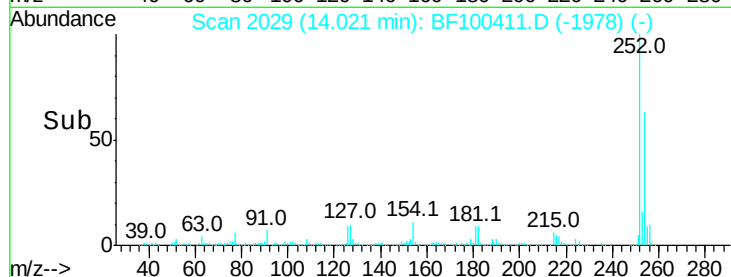
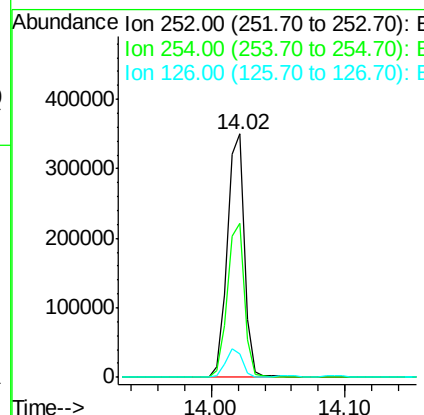
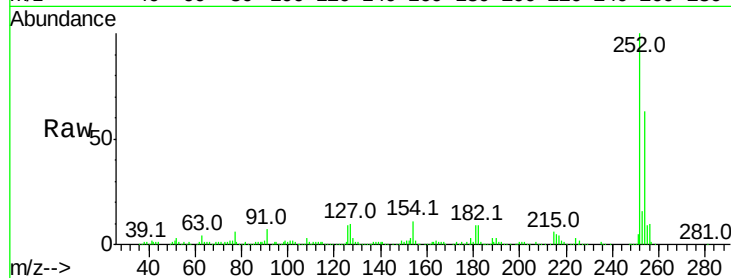
#81
 3,3'-Dichlorobenzidine
 Concen: 45.112 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 S22-0029MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	321290		
254	63.0		50.4	75.6
126	9.4		11.3	16.9

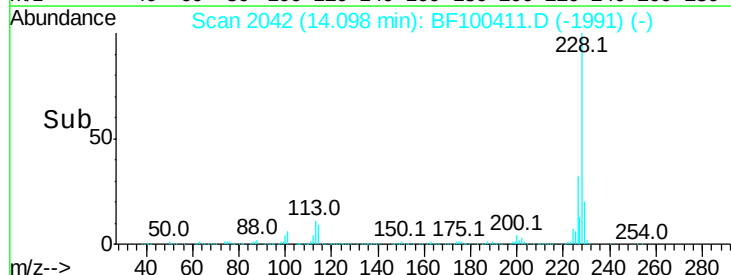
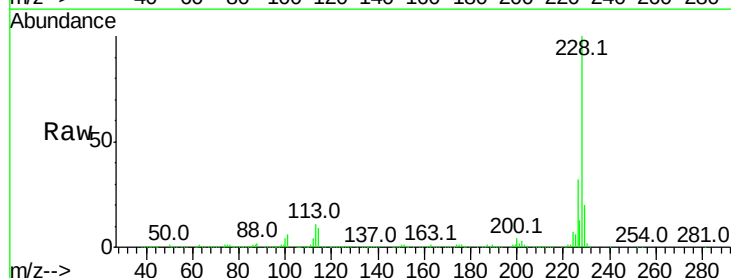
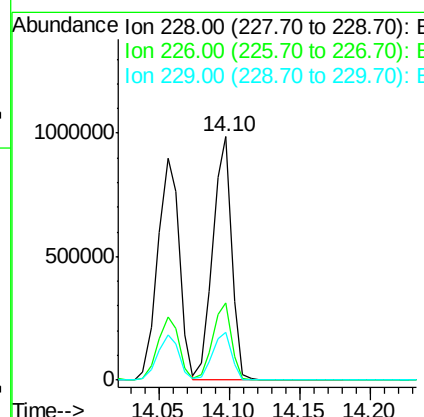
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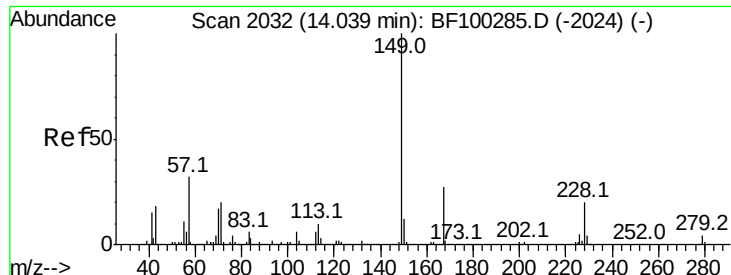
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#82
 Chrysene
 Concen: 47.524 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.00 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	914789		
226	31.6		25.0	37.6
229	19.9		16.2	24.4





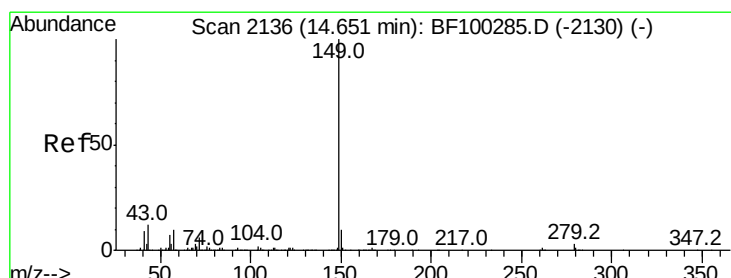
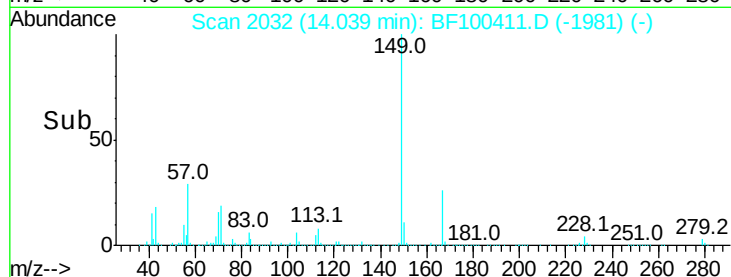
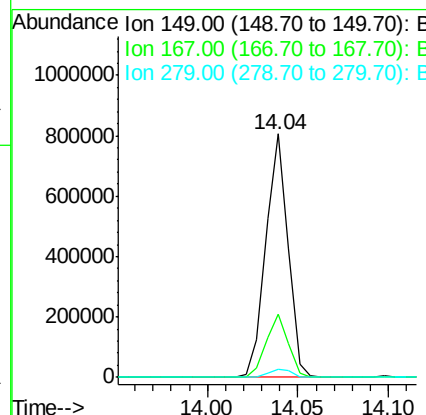
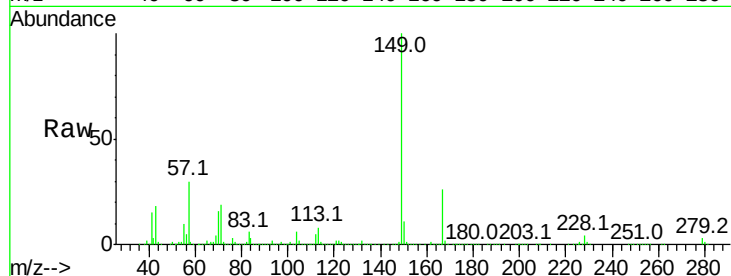
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 54.312 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 S22-0029MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.2	21.3	31.9
279	3.5	3.0	4.4

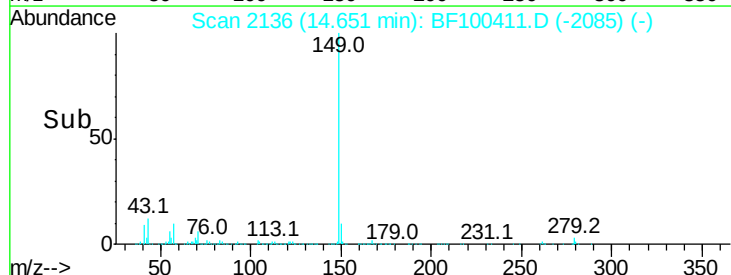
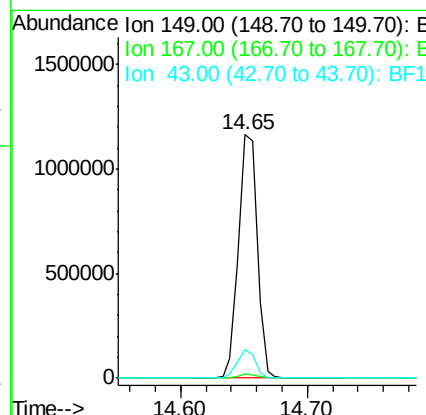
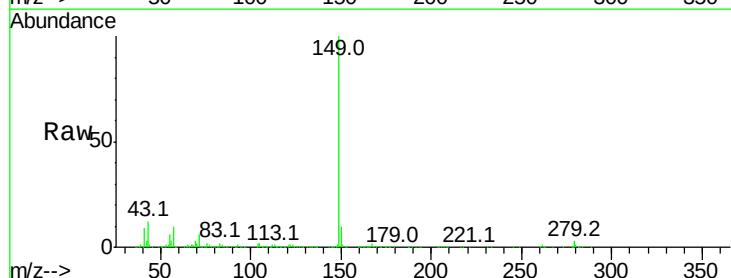
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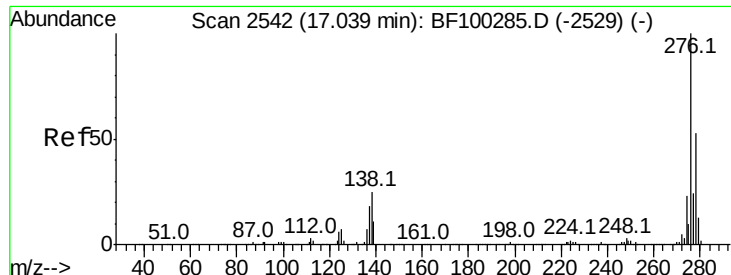
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#84
 Di-n-octyl phthalate
 Concen: 54.553 ng
 RT: 14.65 min Scan# 2136
 Delta R.T. -0.00 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.1	8.4	12.6





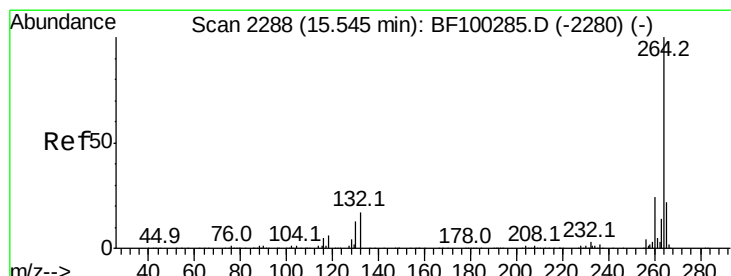
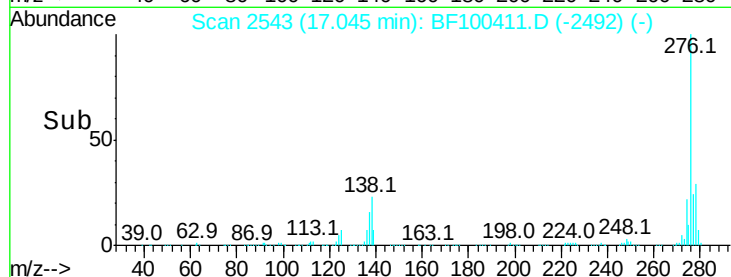
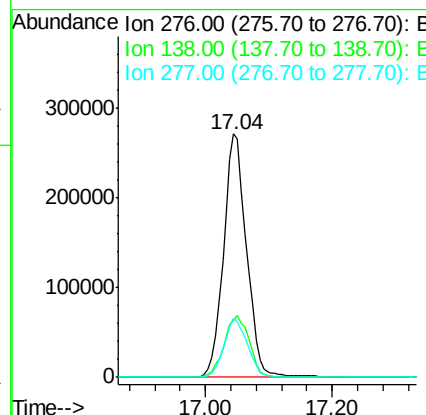
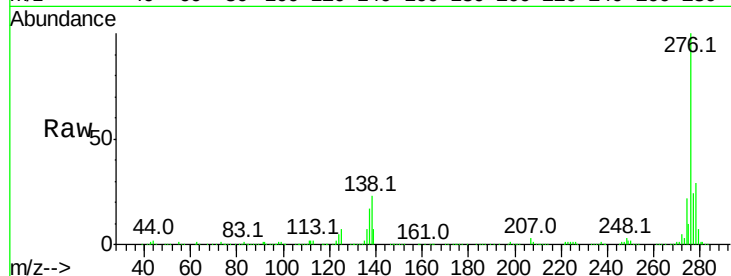
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 44.286 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 S22-0029MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.8	25.0	37.6
277	24.5	20.1	30.1

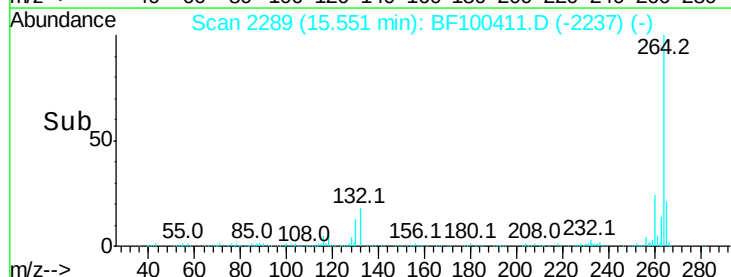
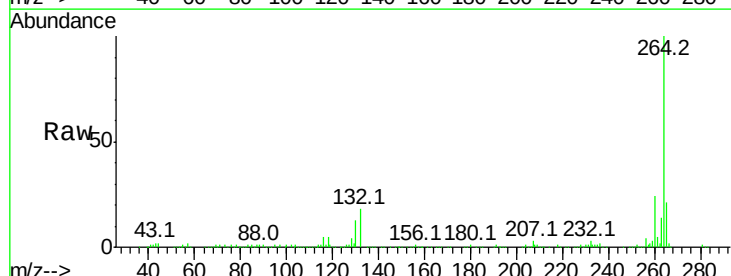
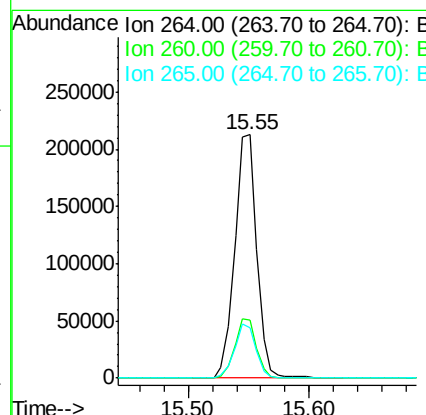
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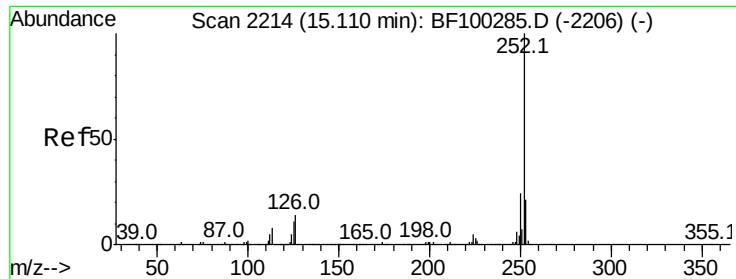
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. 0.01 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	20.9	17.5	26.3





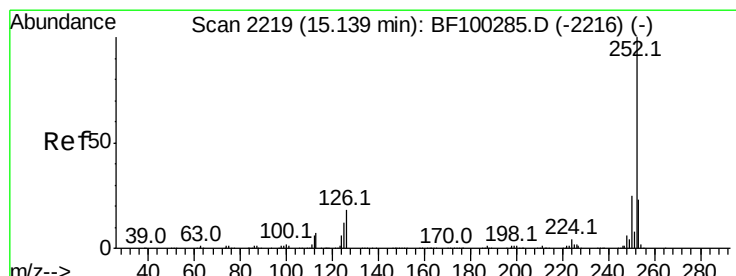
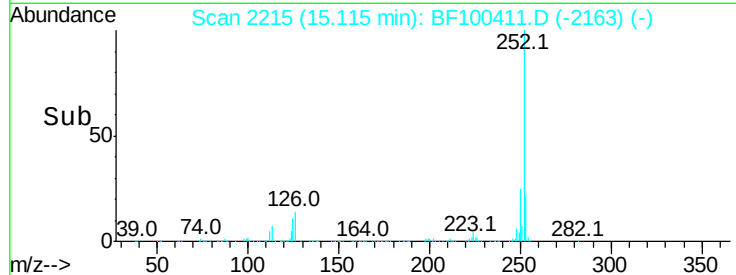
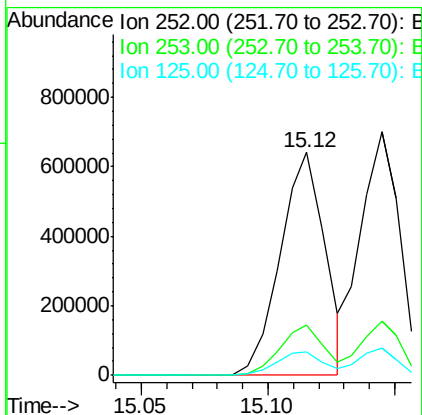
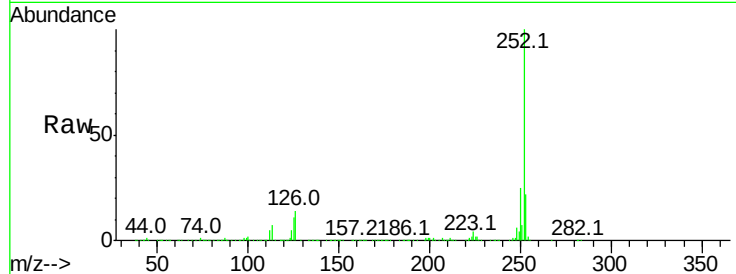
#87
Benzo(b)fluoranthene
Concen: 49.071 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	10.7	9.0	13.6

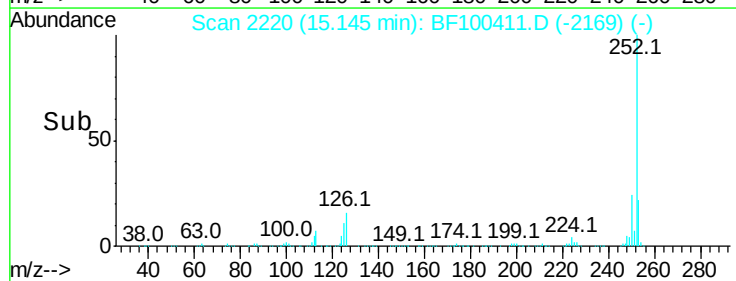
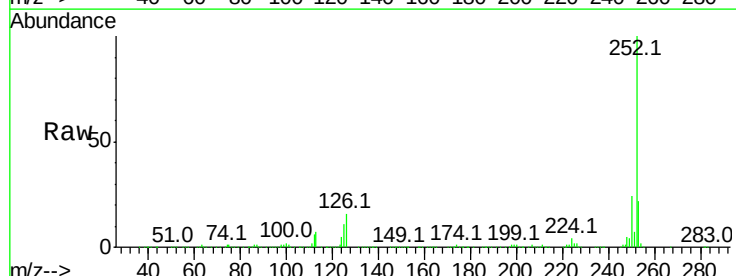
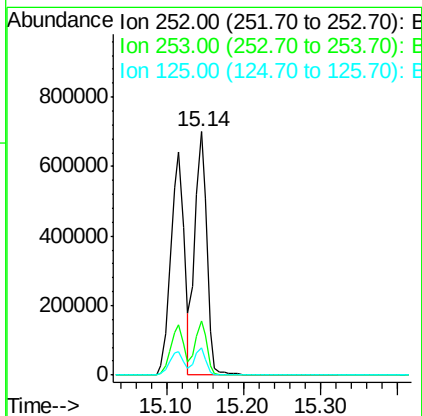
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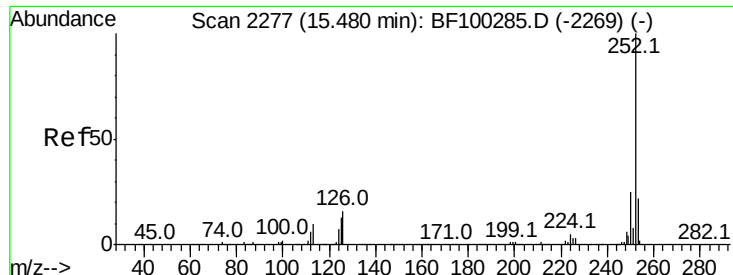
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#88
Benzo(k)fluoranthene
Concen: 50.853 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	11.3	10.2	15.2





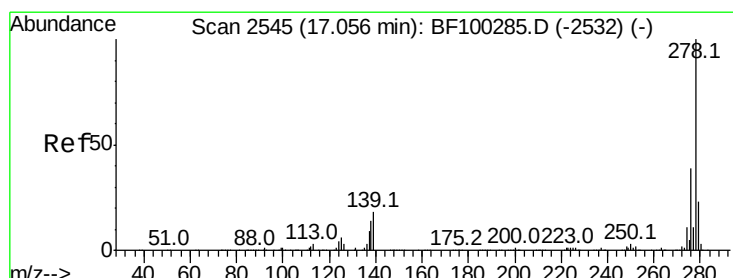
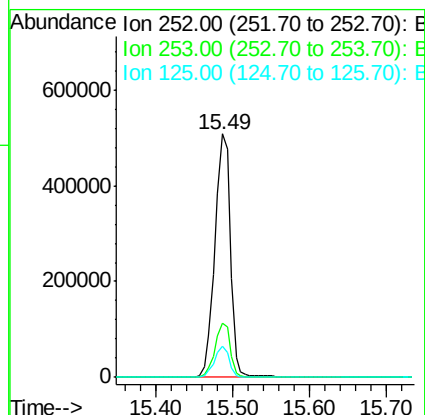
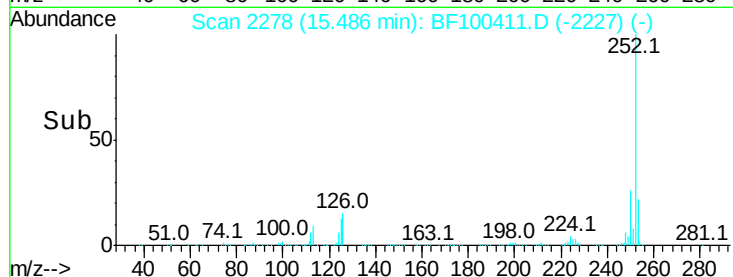
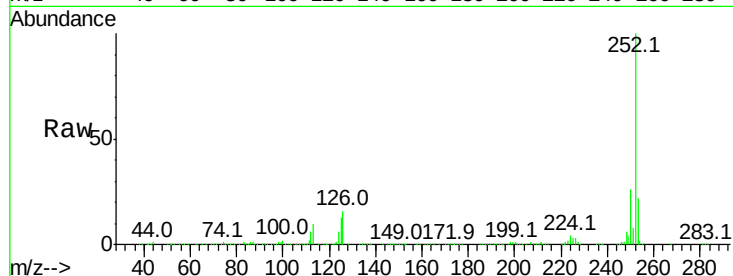
#89
Benzo(a)pyrene
Concen: 49.219 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.00 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Instrument :
BNA_F
ClientSampleId :
S22-0029MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	12.8	9.8	14.6

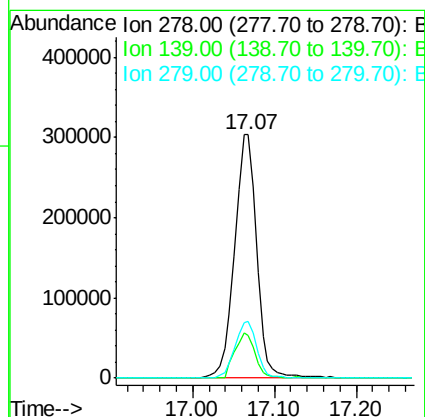
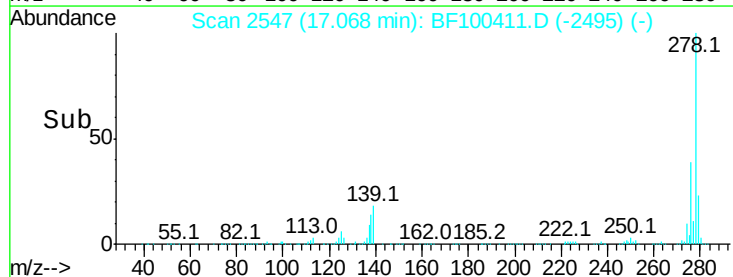
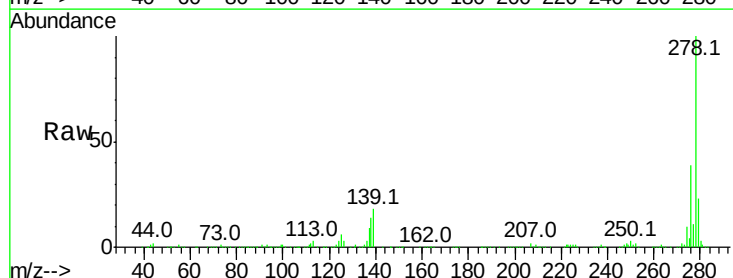
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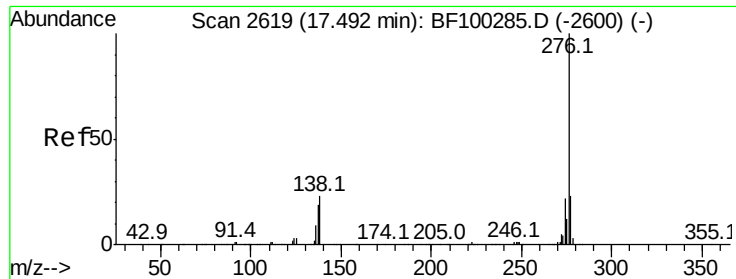
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#90
Dibenzo(a,h)anthracene
Concen: 49.399 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.01 min
Lab File: BF100411.D
Acq: 11 Nov 2017 00:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.7	15.9	23.9
279	23.5	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 50.705 ng
 RT: 17.50 min Scan# 2621
 Delta R.T. 0.01 min
 Lab File: BF100411.D
 Acq: 11 Nov 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 S22-0029MSD

Tot Ion:	276	Resp:	577171
Ion Ratio		Lower	Upper
276	100		
277	22.9	17.9	26.9
138	24.3	21.8	32.8

Manual Integrations
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