

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100617\
 Data File : BF099155.D
 Acq On : 6 Oct 2017 18:51
 Operator : SJ/JU
 Sample : I5571-02MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAMT-COMP-CMS

Manual Integrations
 APPROVED

Sohil
 10/9/2017 6:32:47 PM

Quant Time: Oct 08 05:20:22 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	141214	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	574828	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	256396	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	448752	20.00	ng	0.00
75) Chrysene-d12	14.02	240	310738	20.00	ng	-0.01
86) Perylene-d12	15.50	264	238579	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	20923	2.36	ng	0.00
7) Phenol-d6	6.48	99	22019	2.01	ng	-0.02
23) Nitrobenzene-d5	7.42	82	62061	6.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	6411	3.06	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	117784	7.67	ng	-0.01
78) Terphenyl-d14	12.96	244	77869	5.70	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.65	88	8505	2.01	ng	# 85
6) Aniline	6.52	93	30144	2.04	ng	98
9) Benzaldehyde	6.42	77	15655	2.47	ng	95
11) bis(2-Chloroethyl)ether	6.59	93	29661	3.12	ng	94
12) 1,3-Dichlorobenzene	6.80	146	30065	2.86	ng	97
13) 1,4-Dichlorobenzene	6.88	146	30199	2.82	ng	98
14) 1,2-Dichlorobenzene	7.03	146	28522	2.88	ng	96
15) Benzyl Alcohol	7.00	79	19835	2.47	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.13	45	43092	2.91	ng	97
18) Hexachloroethane	7.37	117	9359	2.43	ng	99
19) n-Nitroso-di-n-propylamine	7.26	70	22097	3.16	ng	97
22) Acetophenone	7.26	105	46652	3.35	ng	# 97
24) Nitrobenzene	7.44	77	35608	3.50	ng	95
25) Isophorone	7.67	82	60243	3.25	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	37388	3.24	ng	98
30) 1,2,4-Trichlorobenzene	8.08	180	22742	2.87	ng	98
31) Naphthalene	8.16	128	85456	3.17	ng	100
33) 4-Chloroaniline	8.22	127	31144	2.76	ng	96
34) Hexachlorobutadiene	8.28	225	10430	2.55	ng	97
37) 2-Methylnaphthalene	8.86	142	56637	3.23	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	20621	2.70	ng	97
45) 1,1'-Biphenyl	9.32	154	66534	3.02	ng	100
46) 2-Chloronaphthalene	9.35	162	51686	3.12	ng	92
47) 2-Nitroaniline	9.44	65	14115	2.79	ng	99
48) Acenaphthylene	9.76	152	81469	3.22	ng	98
49) Dimethylphthalate	9.61	163	102278	5.29	ng	99
50) 2,6-Dinitrotoluene	9.67	165	13268	3.15	ng	98
51) Acenaphthene	9.93	154	46438	2.89	ng	99
52) 3-Nitroaniline	9.85	138	13600	2.77	ng	92
54) Dibenzofuran	10.10	168	73199	3.43	ng	98
56) 2,4-Dinitrotoluene	10.08	165	17382	3.18	ng	# 96
57) Fluorene	10.45	166	56925	3.32	ng	97
59) Diethylphthalate	10.31	149	66134	3.50	ng	100
60) 4-Chlorophenyl-phenylether	10.43	204	23611	3.06	ng	99

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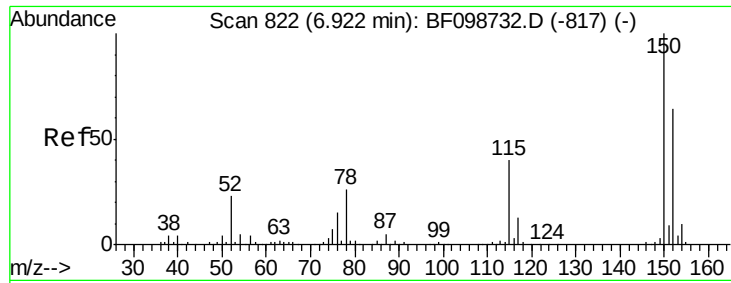
Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 4-Nitroaniline	10.46	138	10959	2.31	ng	87
62) Azobenzene	10.59	77	54798	3.15	ng	98
65) n-Nitrosodiphenylamine	10.55	169	46579	3.00	ng	98
66) 4-Bromophenyl-phenylether	10.93	248	12846	2.92	ng	# 88
67) Hexachlorobenzene	10.99	284	11842	2.52	ng	98
68) Atrazine	11.07	200	16944	3.62	ng	97
70) Phenanthrene	11.41	178	77385	3.22	ng	96
71) Anthracene	11.46	178	76593	3.12	ng	97
72) Carbazole	11.62	167	83376	3.46	ng	98
73) Di-n-butylphthalate	11.94	149	85957	2.97	ng	98
74) Fluoranthene	12.60	202	74548	3.06	ng	95
77) Pyrene	12.83	202	74402	3.14	ng	99
79) Butylbenzylphthalate	13.44	149	31066	2.79	ng	92
80) Benzo(a)anthracene	14.01	228	51925	2.76	ng	97
82) Chrysene	14.04	228	49781	2.78	ng	98
83) Bis(2-ethylhexyl)phthalate	13.99	149	43500	2.84	ng	# 96
84) Di-n-octyl phthalate	14.60	149	53876	2.18	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	38379	2.68	ng	97
87) Benzo(b)fluoranthene	15.06	252	38006	2.59	ng	96
88) Benzo(k)fluoranthene	15.09	252	38267	2.64	ng	99
89) Benzo(a)pyrene	15.43	252	34246	2.54	ng	97
90) Dibenzo(a,h)anthracene	16.98	278	31702	2.94	ng	96
91) Benzo(g,h,i)perylene	17.42	276	32894	3.09	ng	95

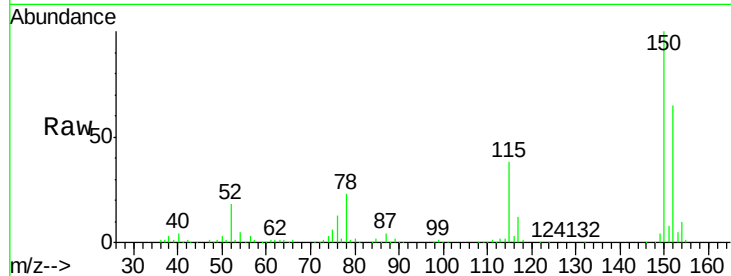
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

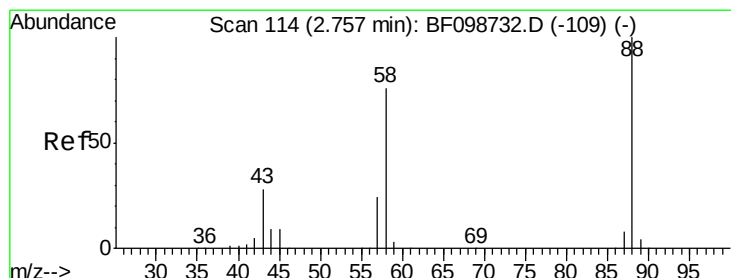
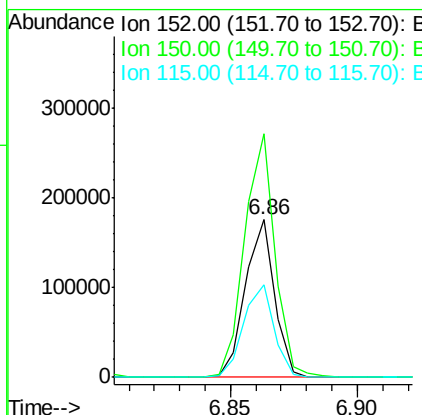
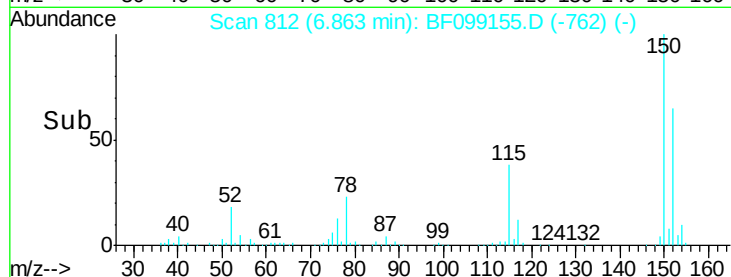
Instrument :
BNA_F
ClientSampleId :
PAMT-COMP-CMS



Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	58.4	50.1	75.1

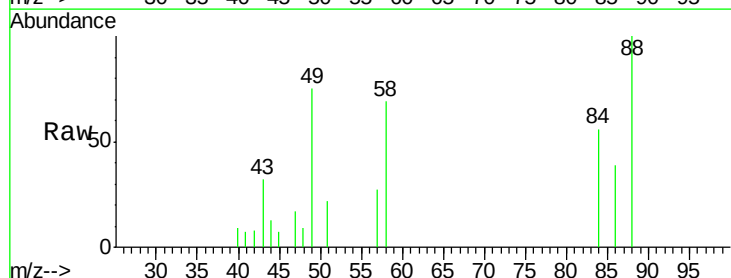
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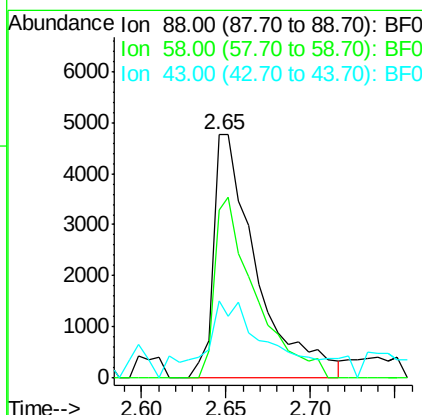
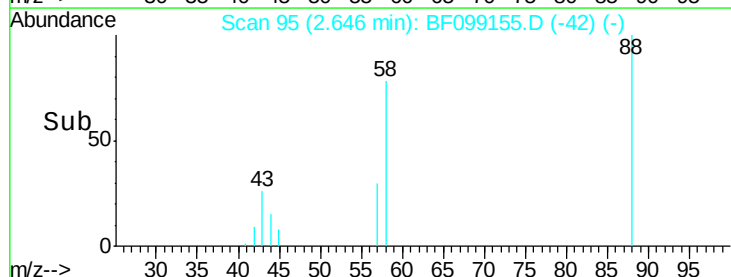


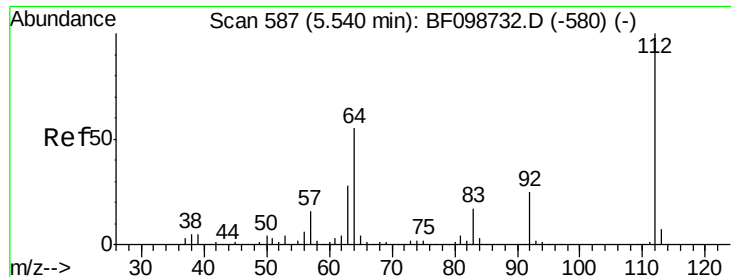
#2

1,4-Dioxane
Concen: 2.01 ng
RT: 2.65 min Scan# 95
Delta R.T. 0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51



Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.8	62.6	93.8
43	45.7	24.6	37.0





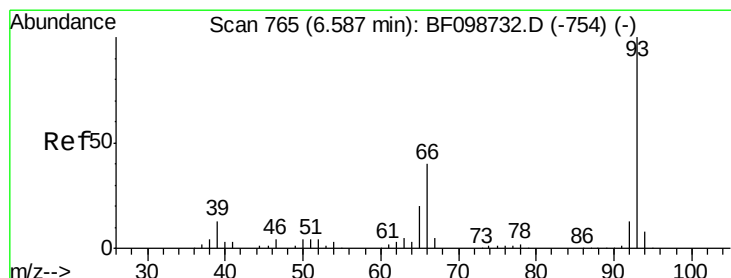
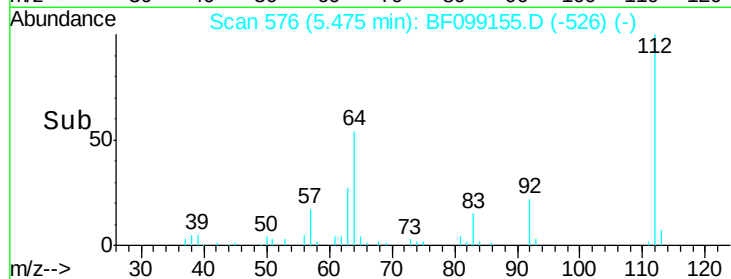
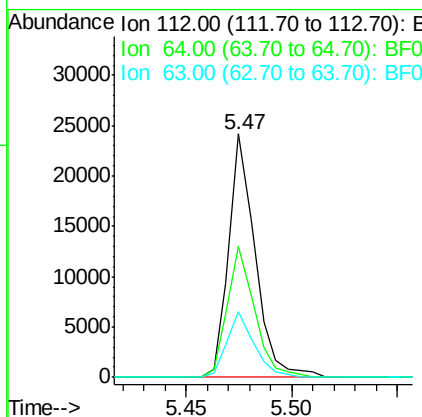
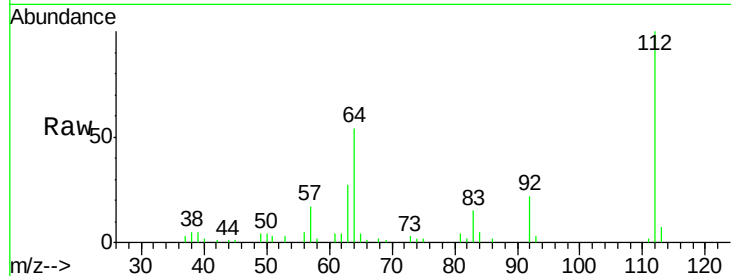
#5
2-Fluorophenol
Concen: 2.36 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
112	100	20923		
64	54.0	47.9	71.9	
63	27.0	23.7	35.5	

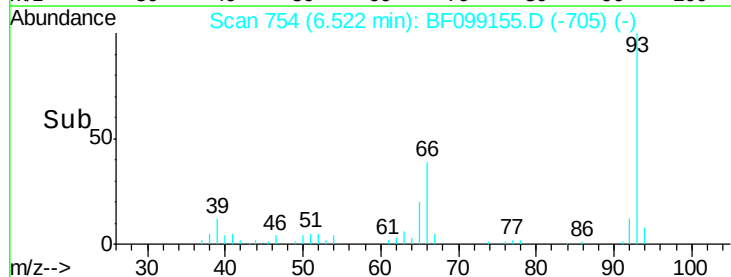
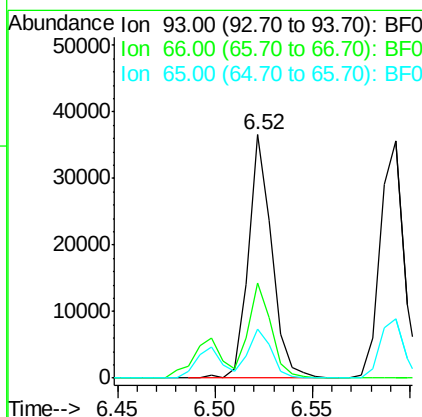
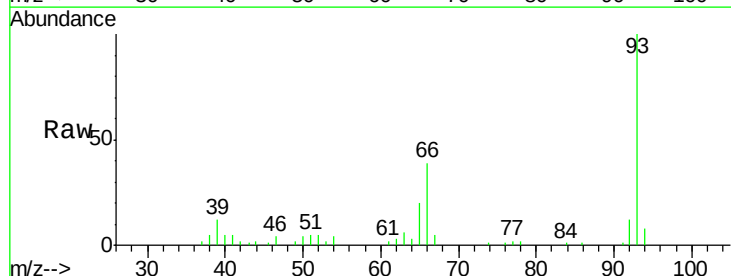
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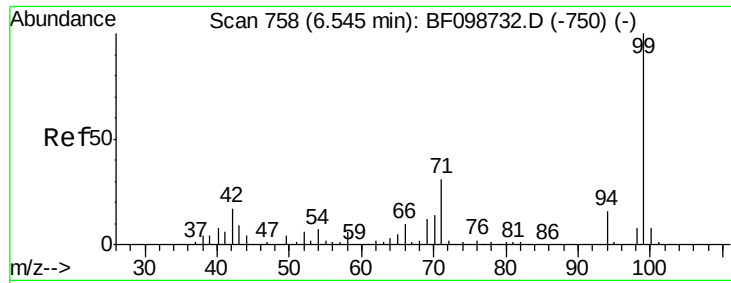
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#6
Aniline
Concen: 2.04 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	30144		
66	38.9	32.2	48.2	
65	20.3	16.4	24.6	





#7

Phenol-d6

Concen: 2.01 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.02 min

Lab File: BF099155.D

Acq: 6 Oct 2017 18:51

Instrument :

BNA_F

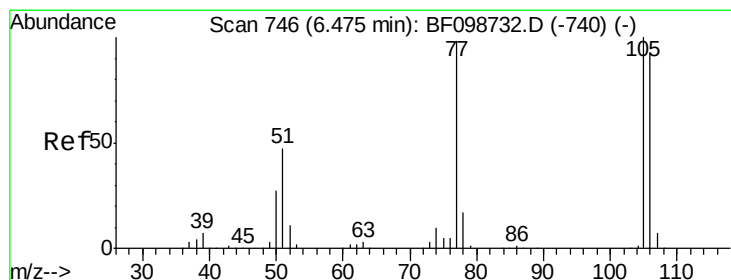
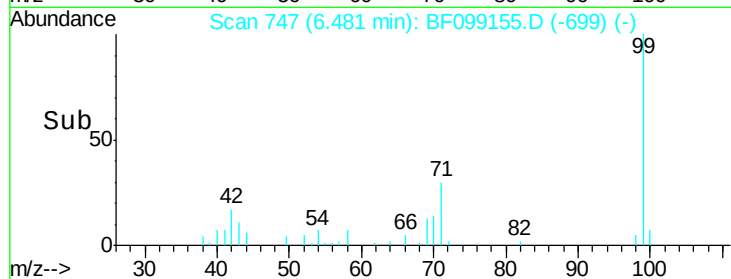
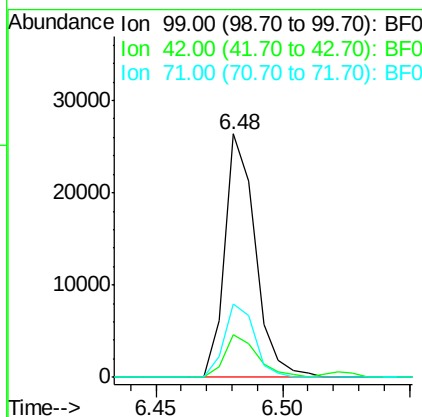
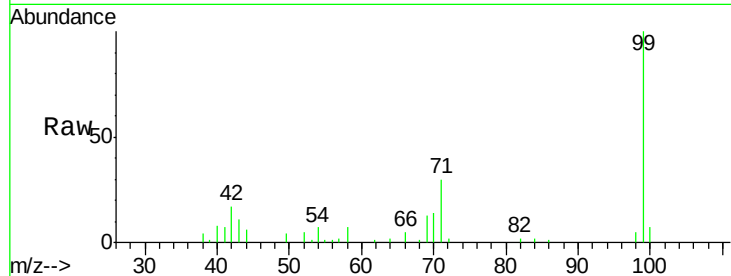
ClientSampleId :

PAMT-COMP-CMS

Tgt Ion:	99	Resp:	22019
Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.5	21.7
71	30.3	25.4	38.0

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#9

Benzaldehyde

Concen: 2.47 ng

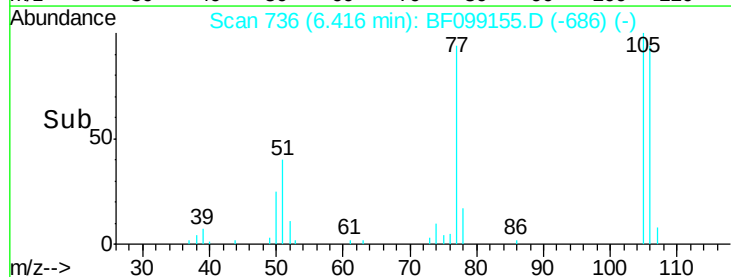
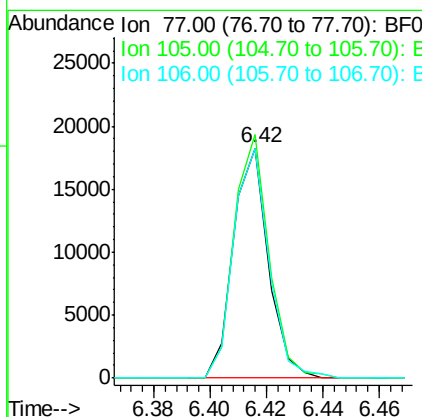
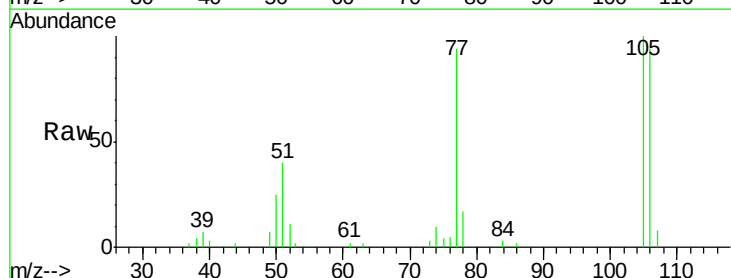
RT: 6.42 min Scan# 736

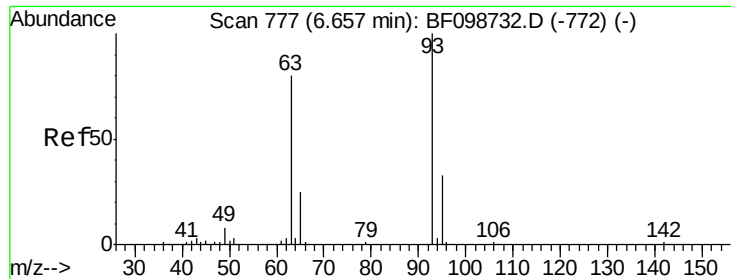
Delta R.T. -0.01 min

Lab File: BF099155.D

Acq: 6 Oct 2017 18:51

Tgt Ion:	77	Resp:	15655
Ion	Ratio	Lower	Upper
77	100		
105	106.0	81.1	121.1
106	100.0	74.5	114.5





#11

bis(2-Chloroethyl)ether

Concen: 3.12 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF099155.D

Acq: 6 Oct 2017 18:51

Instrument :

BNA_F

ClientSampleId :

PAMT-COMP-CMS

Tgt Ion: 93 Resp: 29661

Ion Ratio Lower Upper

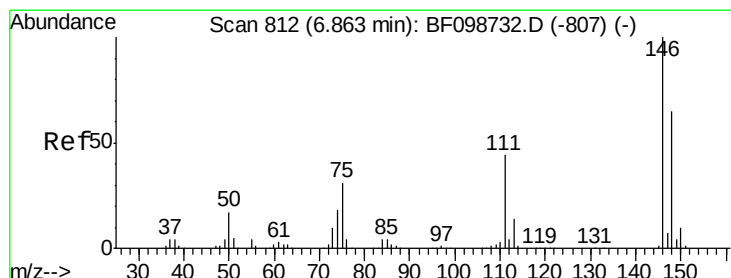
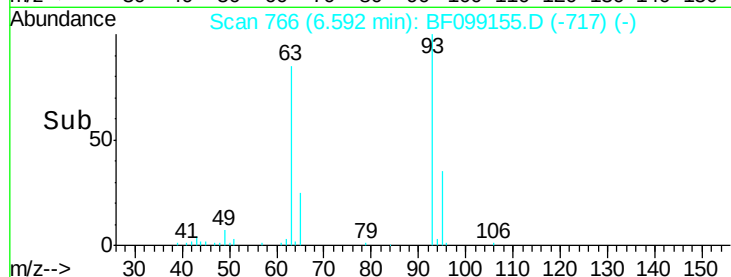
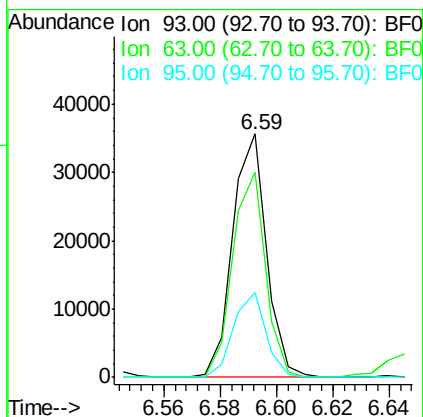
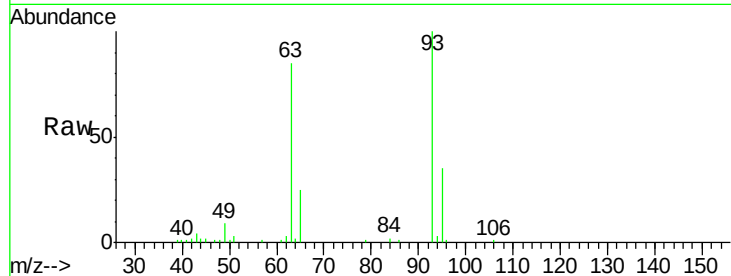
93 100

63 84.5 58.6 98.6

95 34.8 11.8 51.8

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#12

1,3-Dichlorobenzene

Concen: 2.86 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF099155.D

Acq: 6 Oct 2017 18:51

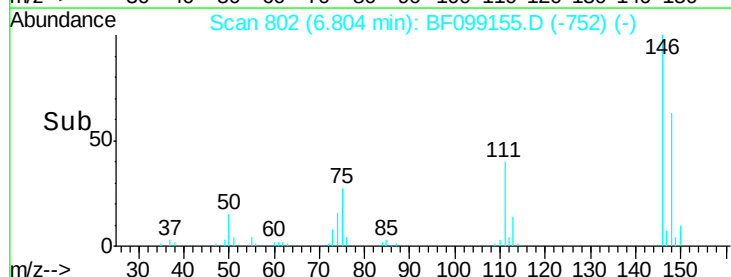
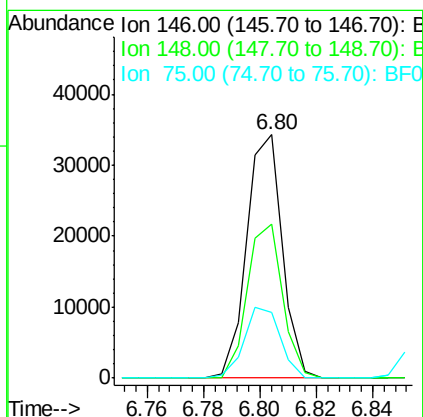
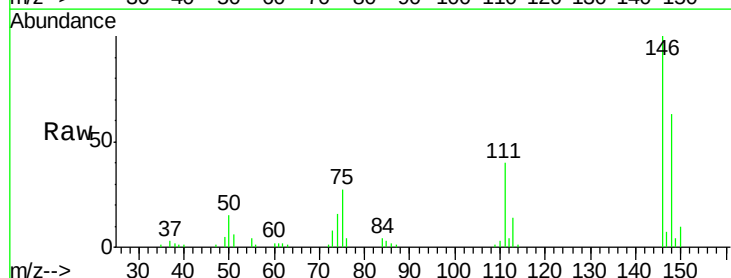
Tgt Ion: 146 Resp: 30065

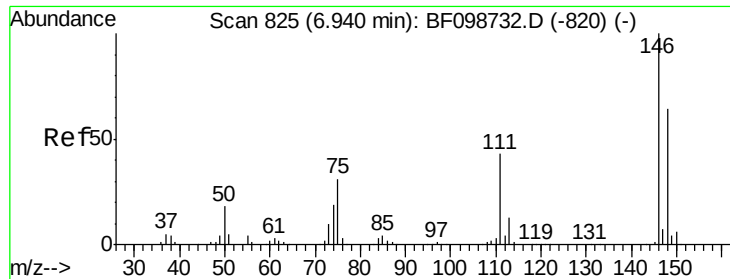
Ion Ratio Lower Upper

146 100

148 63.3 51.8 77.8

75 27.0 24.2 36.4





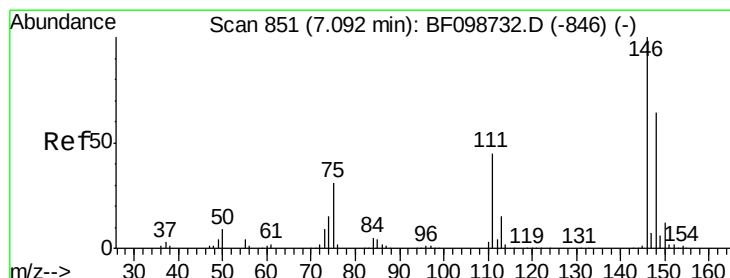
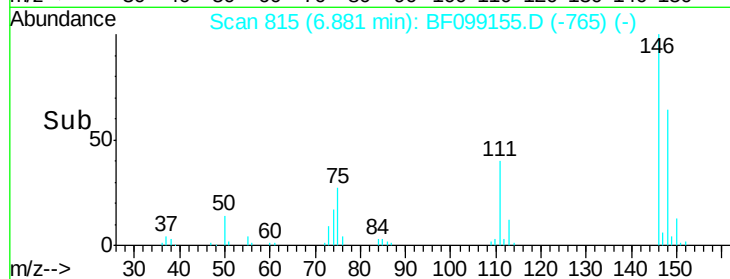
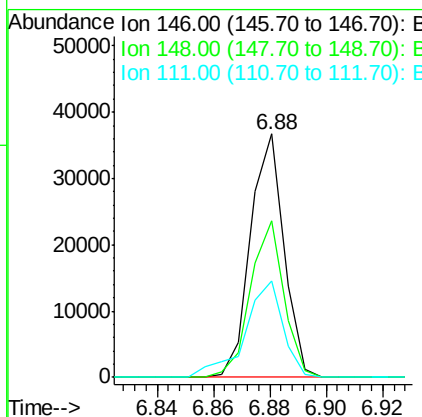
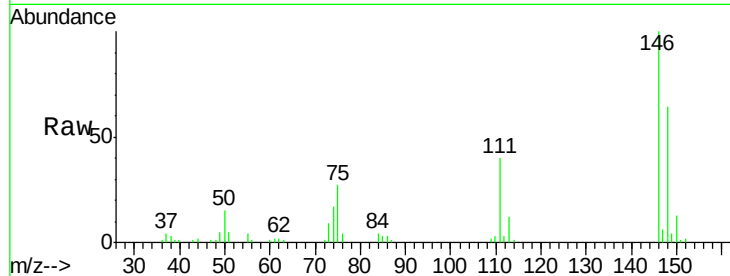
#13
 1,4-Dichlorobenzene
 Concen: 2.82 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Instrument :
 BNA_F
 ClientSampleId :
 PAMT-COMP-CMS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.8	76.2
111	39.7	34.2	51.2

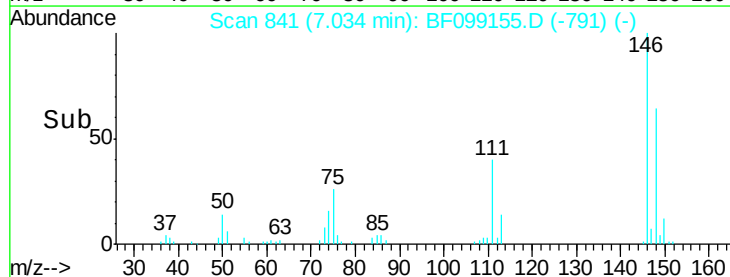
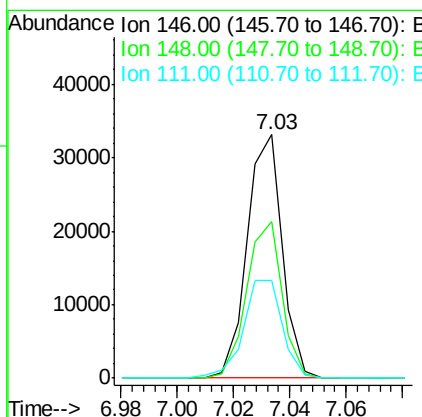
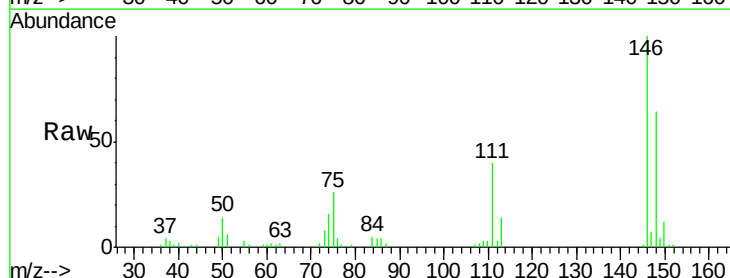
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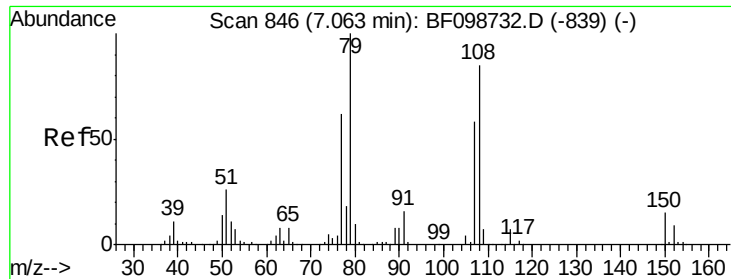
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#14
 1,2-Dichlorobenzene
 Concen: 2.88 ng
 RT: 7.03 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	75.8
111	40.2	36.0	54.0





#15

Benzyl Alcohol

Concen: 2.47 ng

RT: 7.00 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF099155.D

Acq: 6 Oct 2017 18:51

Instrument :

BNA_F

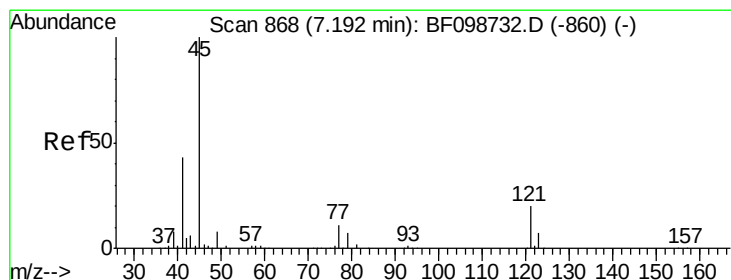
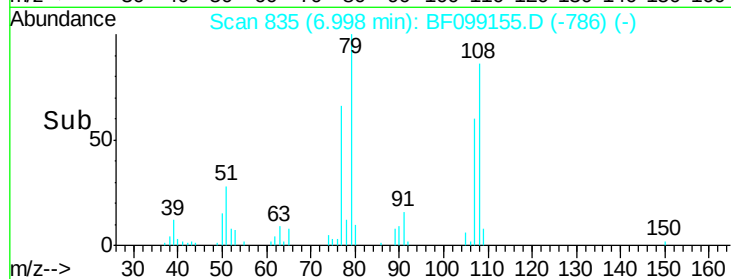
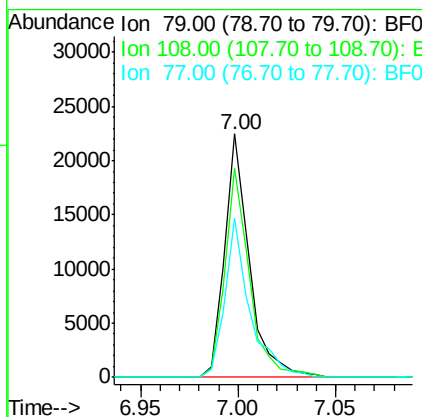
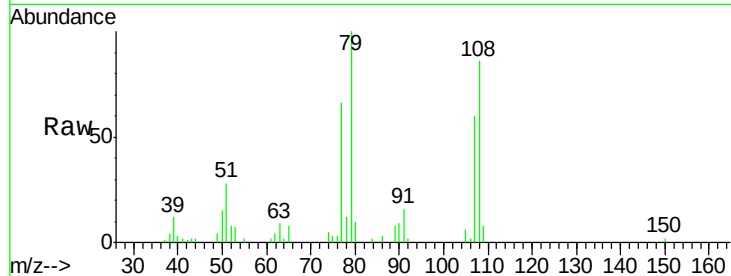
ClientSampleId :

PAMT-COMP-CMS

Tgt Ion:	79	Resp:	19835
Ion Ratio	Lower	Upper	
79	100		
108	85.7	65.1	97.7
77	65.6	50.6	75.8

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 2.91 ng

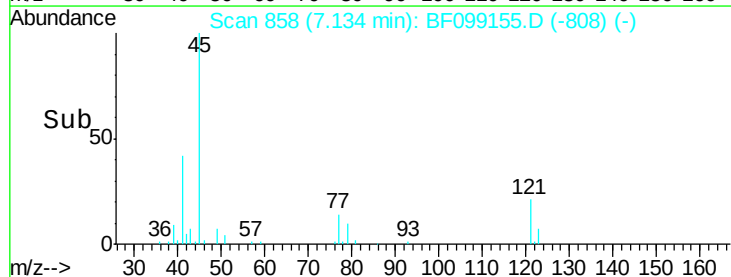
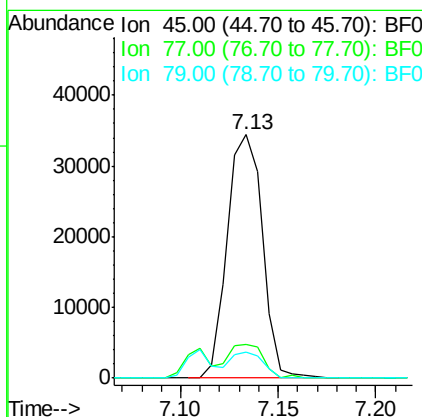
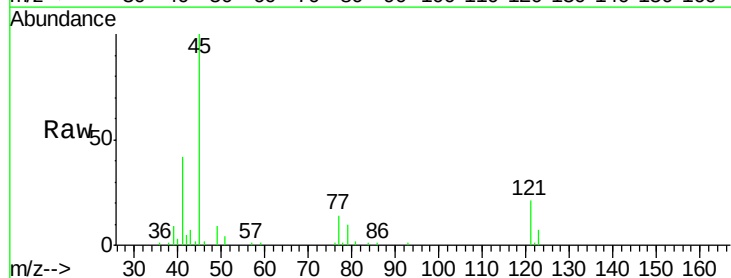
RT: 7.13 min Scan# 858

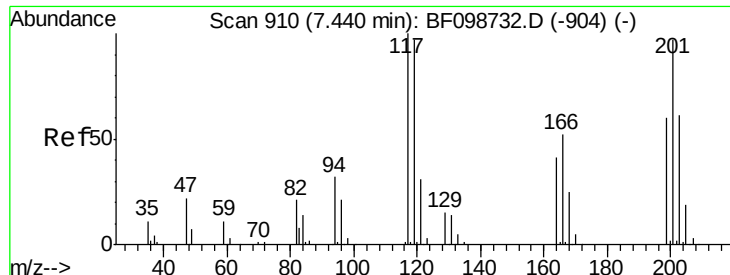
Delta R.T. -0.01 min

Lab File: BF099155.D

Acq: 6 Oct 2017 18:51

Tgt Ion:	45	Resp:	43092
Ion Ratio	Lower	Upper	
45	100		
77	14.1	0.0	32.9
79	10.5	0.0	29.6





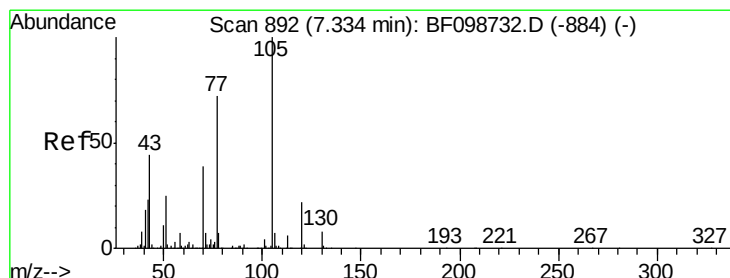
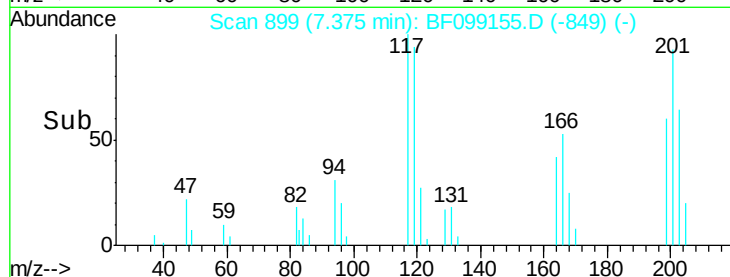
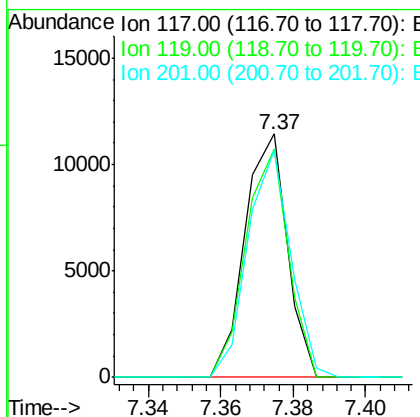
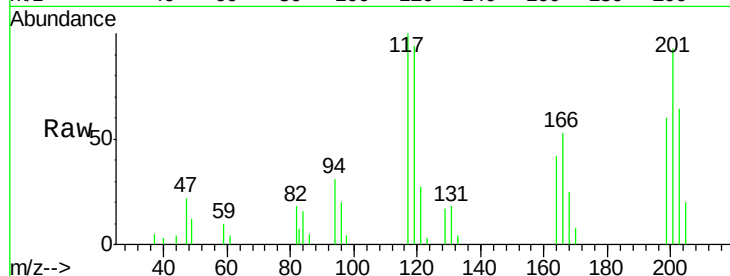
#18
Hexachloroethane
Concen: 2.43 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Instrument :
BNA_F
ClientSampleId :
PAMT-COMP-CMS

Tgt Ion: 117 Resp: 9359
Ion Ratio Lower Upper
117 100
119 93.6 75.8 113.8
201 93.4 75.7 113.5

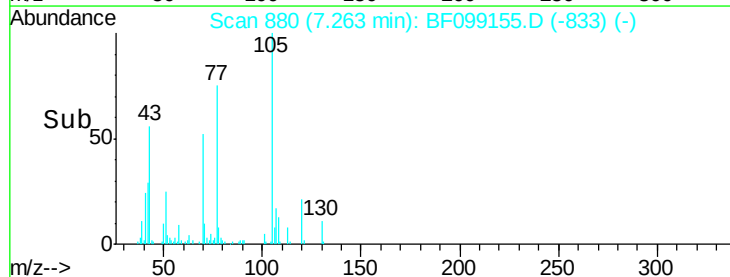
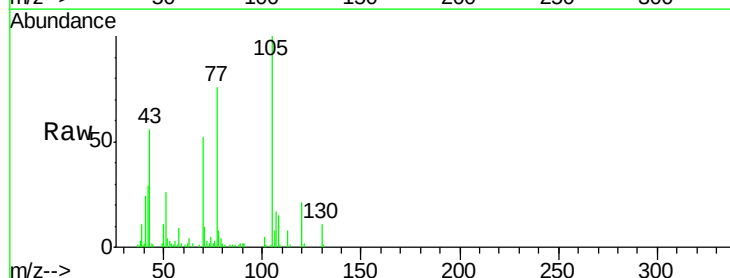
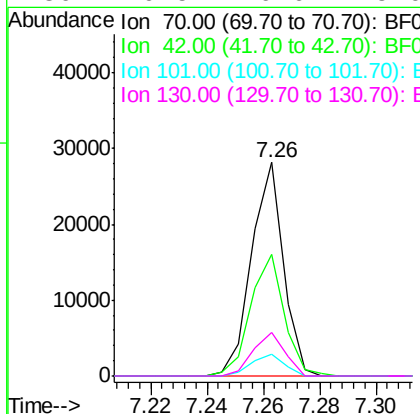
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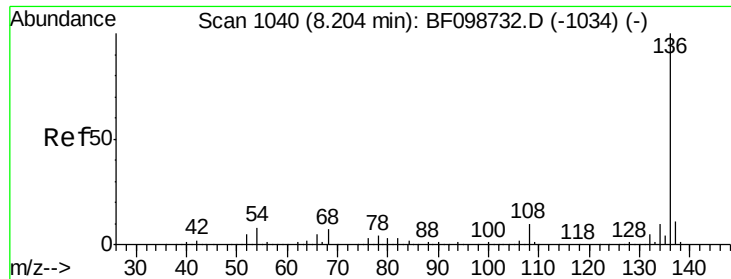
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#19
n-Nitroso-di-n-propylamine
Concen: 3.16 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Tgt Ion: 70 Resp: 22097
Ion Ratio Lower Upper
70 100
42 56.9 47.5 71.3
101 10.0 7.4 11.2
130 20.5 16.6 25.0





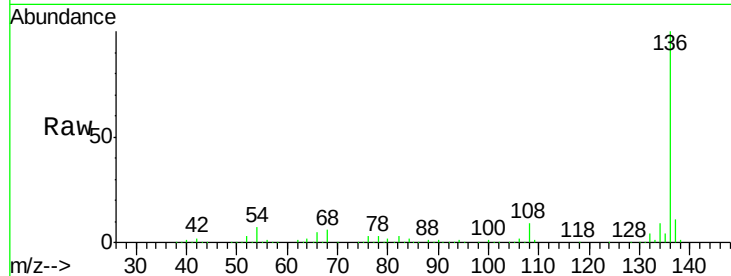
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Instrument :
BNA_F
ClientSampleId :
PAMT-COMP-CMS

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	574828		
137	11.1	8.9	13.3	
54	7.3	6.6	9.8	
68	6.0	5.0	7.4	

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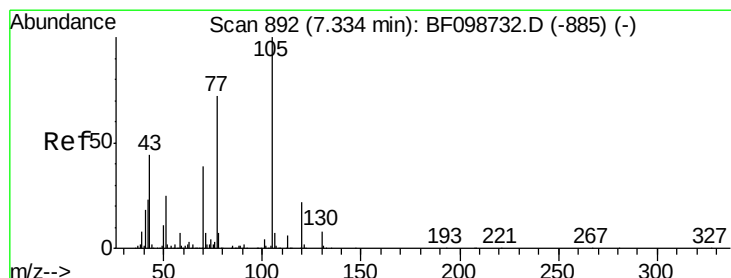
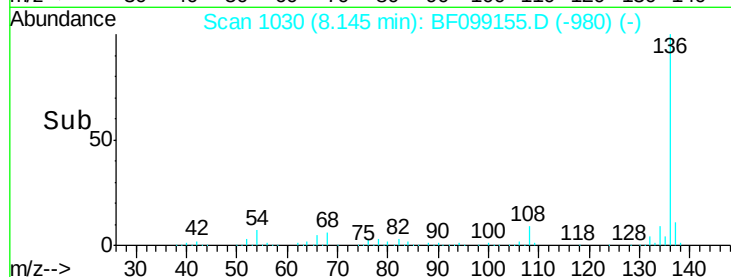
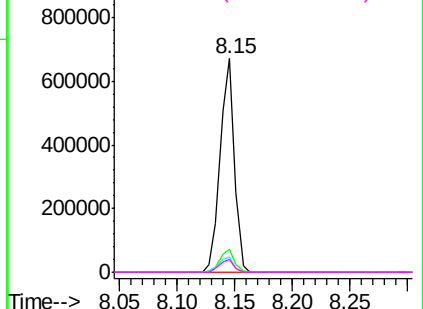
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 3.35 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	46652		
71	9.6	4.4	6.6#	
51	26.5	22.3	33.5	
120	21.1	16.9	25.3	

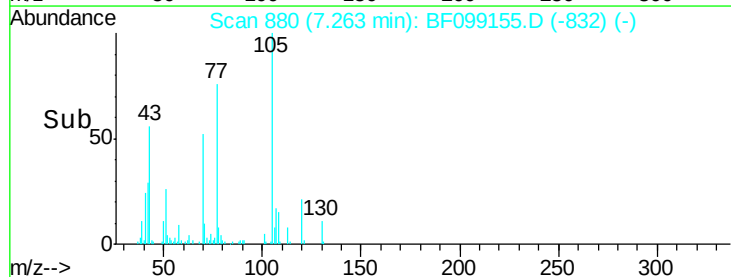
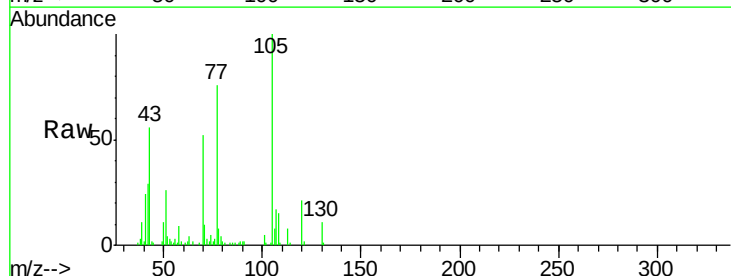
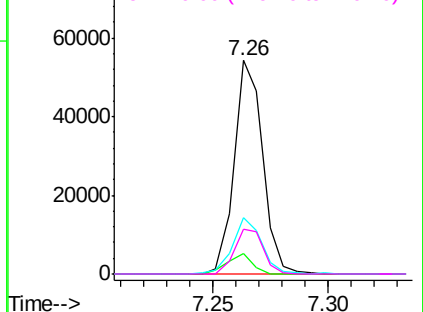
Abundance

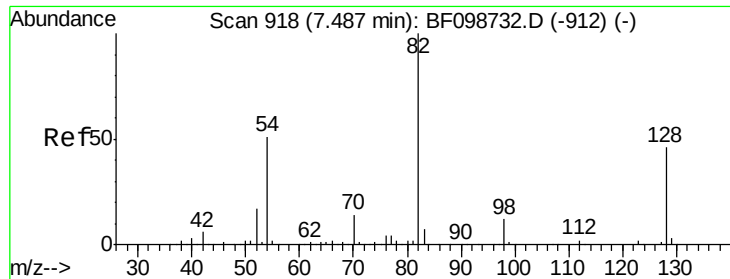
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





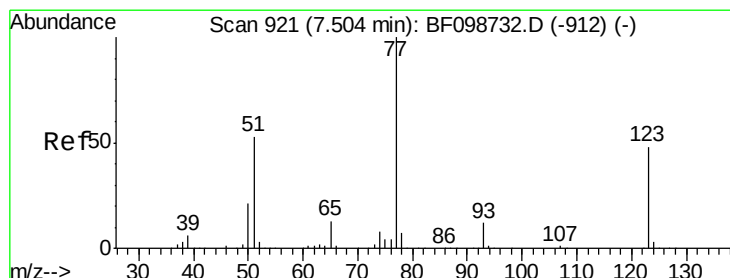
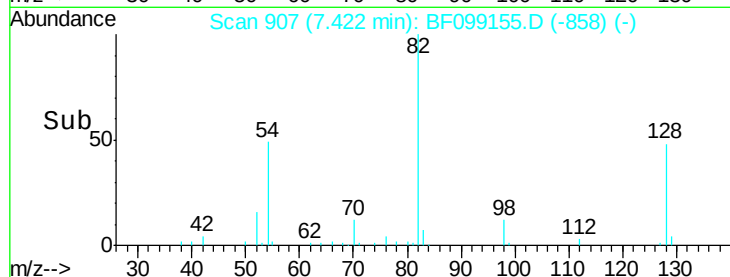
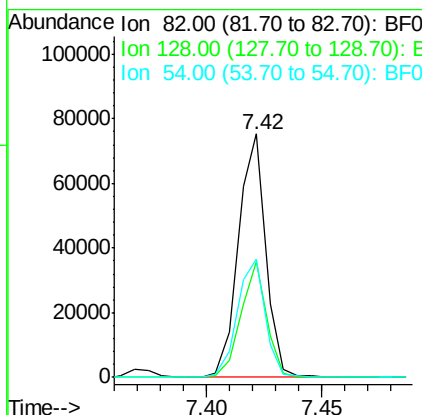
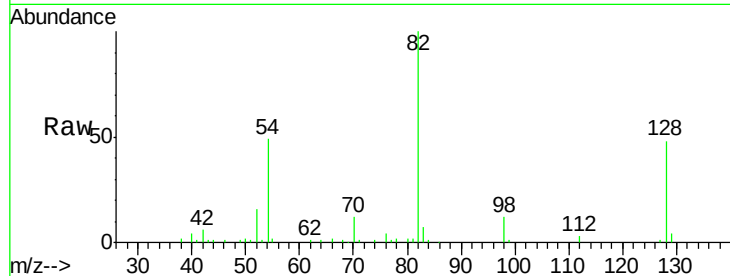
#23
 Nitrobenzene-d5
 Concen: 6.92 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Instrument :
 BNA_F
 ClientSampleId :
 PAMT-COMP-CMS

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.1	54.1
54	48.6	41.4	62.2

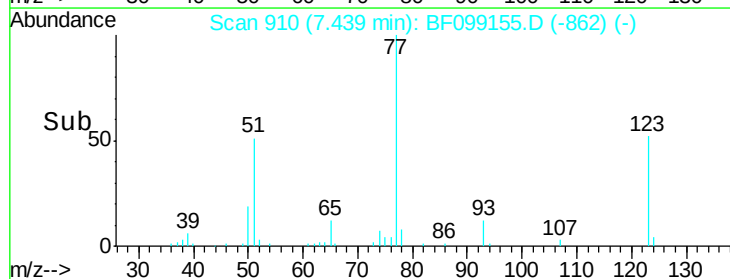
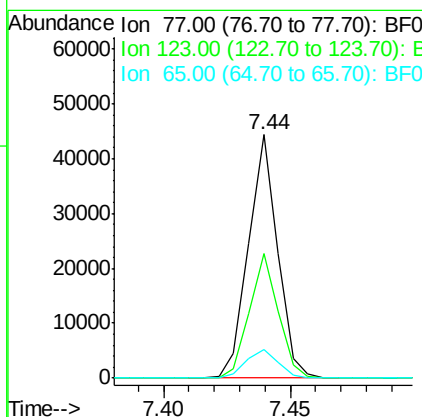
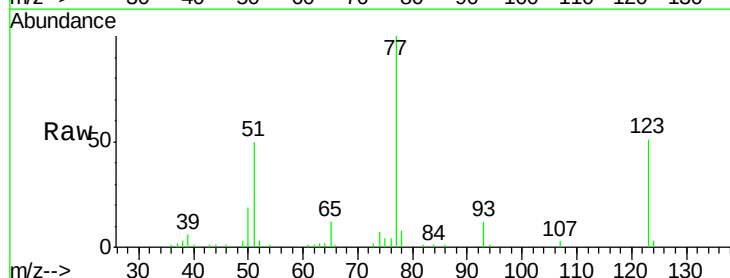
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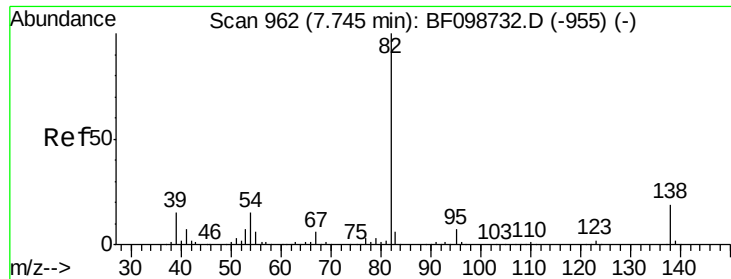
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#24
 Nitrobenzene
 Concen: 3.50 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Lower	Upper
77	100		
123	51.0	37.9	56.9
65	11.6	11.0	16.4





#25

Isophorone

Concen: 3.25 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF099155.D

Acq: 6 Oct 2017 18:51

Instrument :

BNA_F

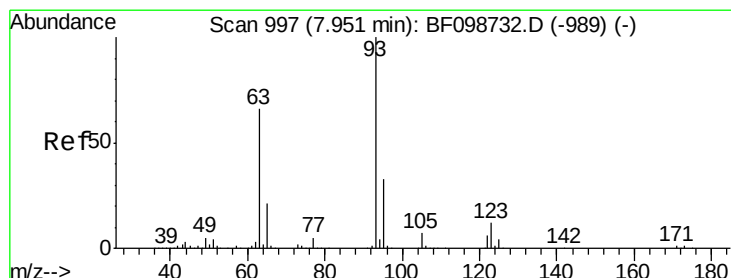
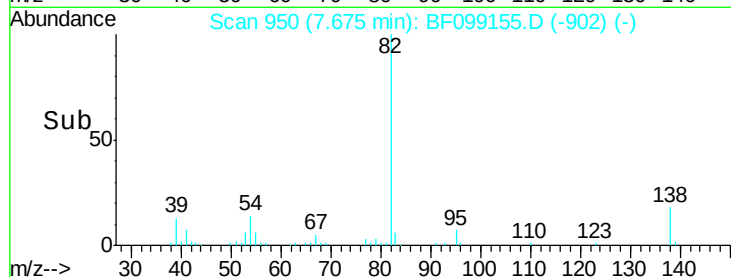
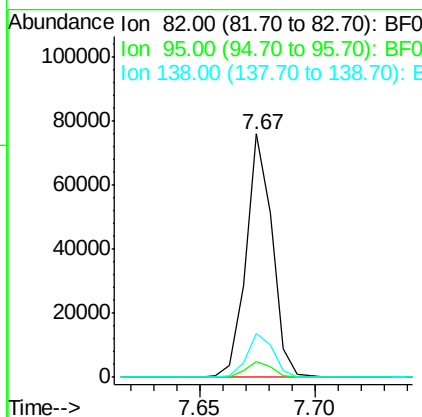
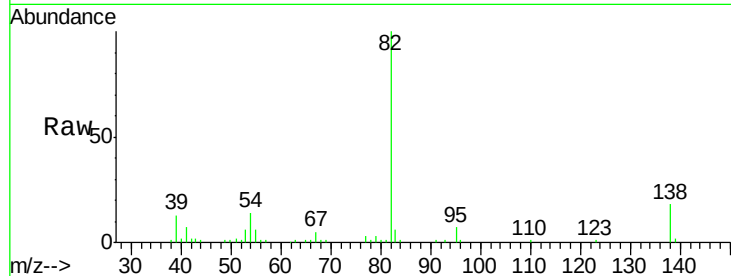
ClientSampleId :

PAMT-COMP-CMS

Tgt Ion:	82	Resp:	60243
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.2	7.8
138	18.2	14.9	22.3

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#28

bis(2-Chloroethoxy)methane

Concen: 3.24 ng

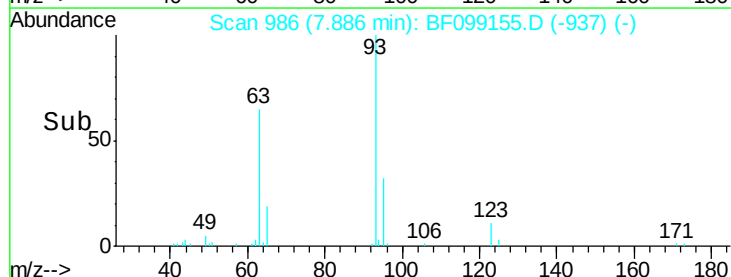
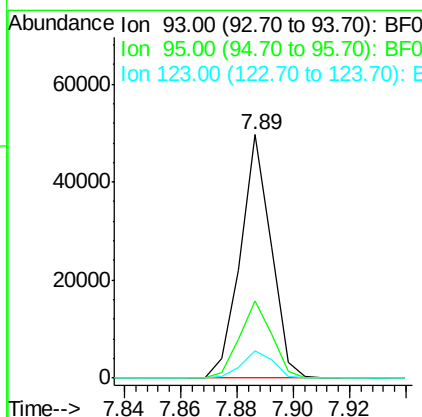
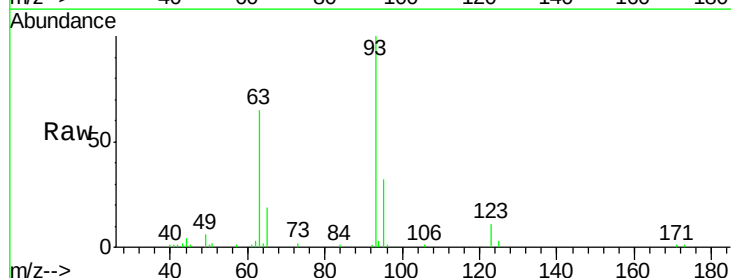
RT: 7.89 min Scan# 986

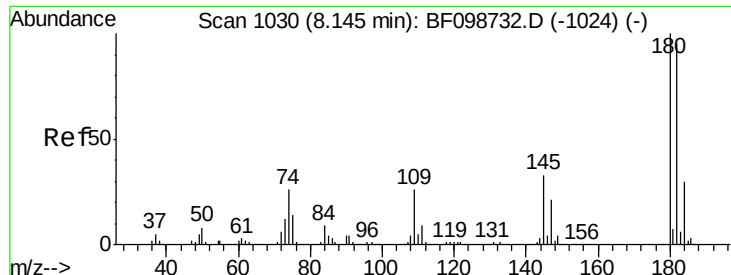
Delta R.T. -0.01 min

Lab File: BF099155.D

Acq: 6 Oct 2017 18:51

Tgt Ion:	93	Resp:	37388
Ion Ratio	Lower	Upper	
93	100		
95	31.6	26.3	39.5
123	11.3	9.8	14.6





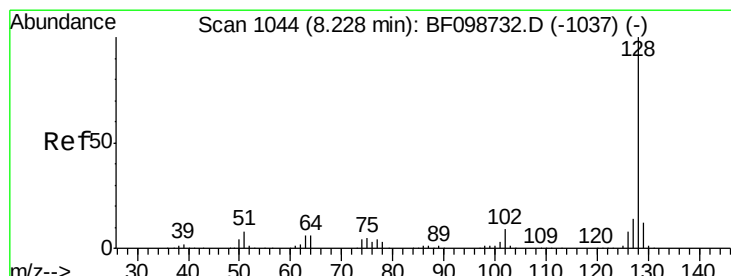
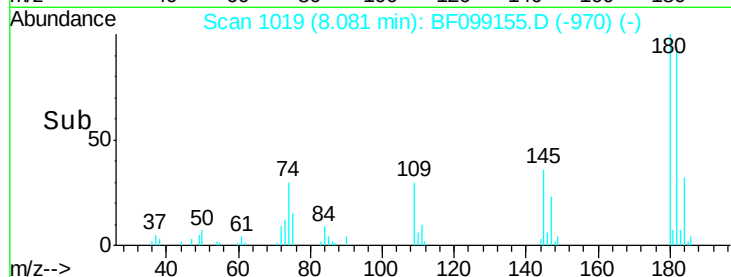
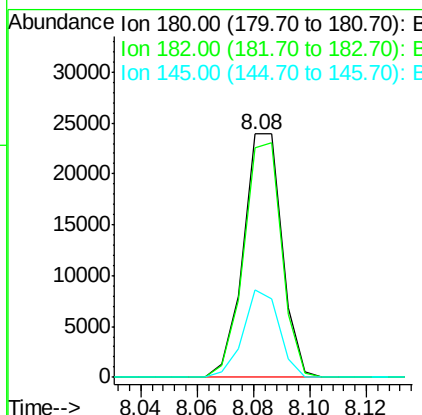
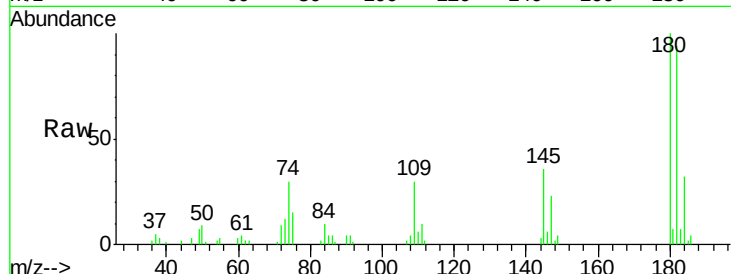
#30
 1,2,4-Trichlorobenzene
 Concen: 2.87 ng
 RT: 8.08 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Instrument :
 BNA_F
 ClientSampleId :
 PAMT-COMP-CMS

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.8	115.2
145	35.7	26.5	39.7

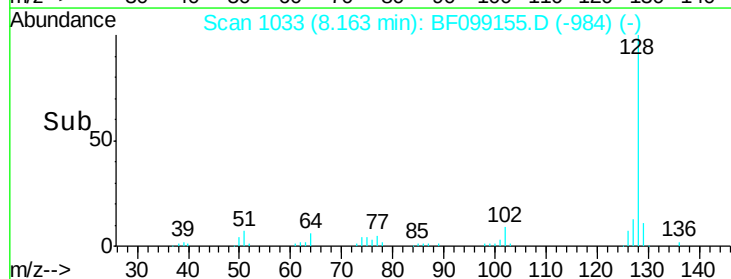
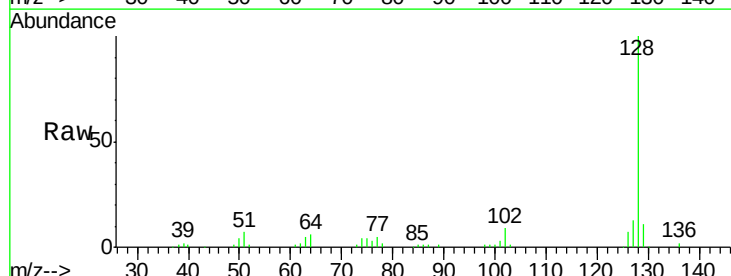
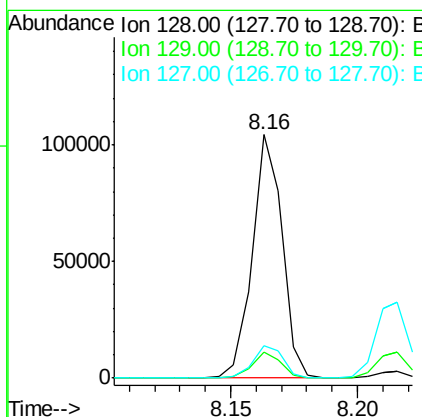
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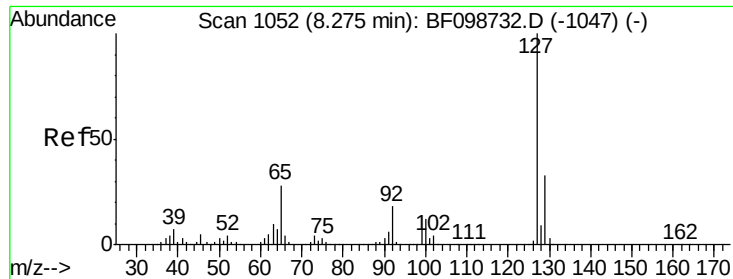
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#31
 Naphthalene
 Concen: 3.17 ng
 RT: 8.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.5	10.9	16.3





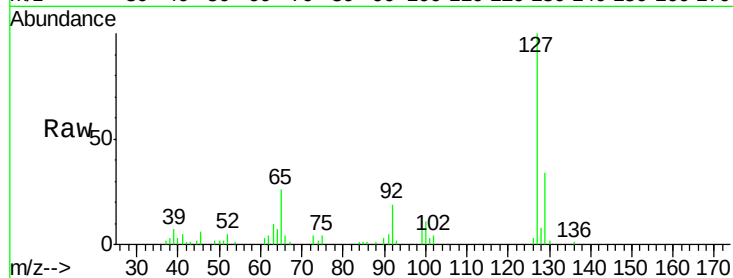
#33
4-Chloroaniline
Concen: 2.76 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Instrument :
BNA_F
ClientSampleId :
PAMT-COMP-CMS

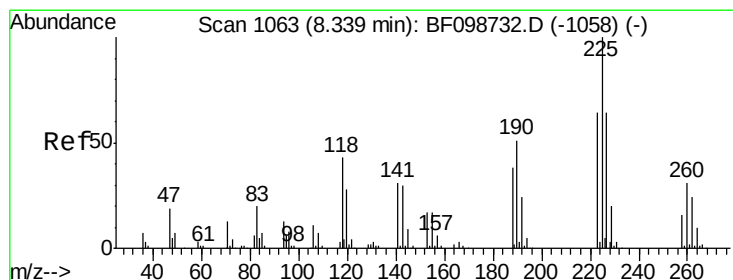
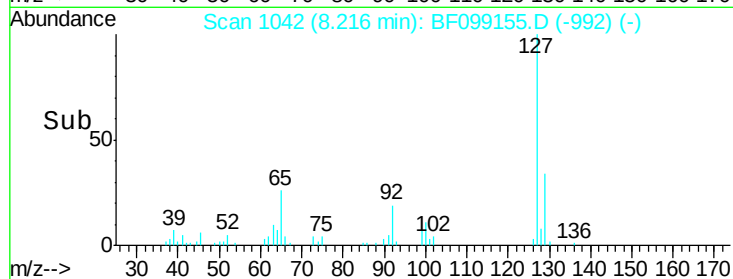
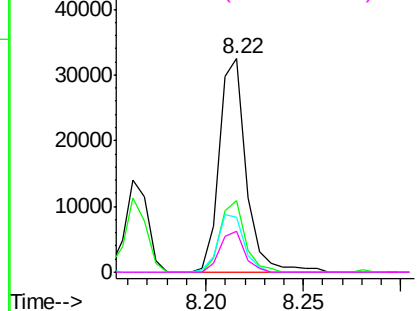
Tgt Ion:	127	Resp:	31144
Ion	Ratio	Lower	Upper
127	100		
129	33.6	25.9	38.9
65	26.0	25.0	37.4
92	19.1	15.2	22.8

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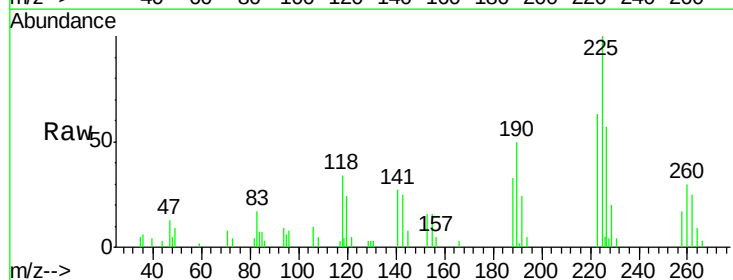


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

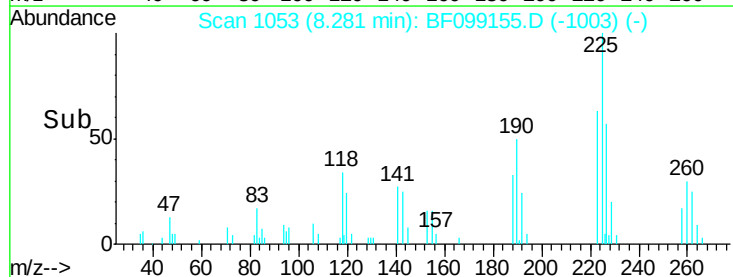
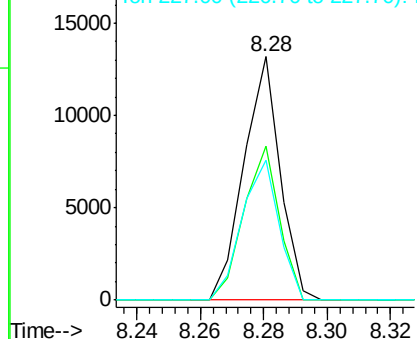


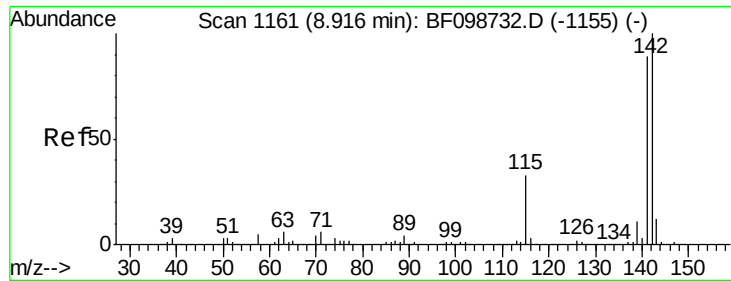
#34
Hexachlorobutadiene
Concen: 2.55 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Tgt Ion:	225	Resp:	10430
Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	76.0
227	60.8	51.9	77.9



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





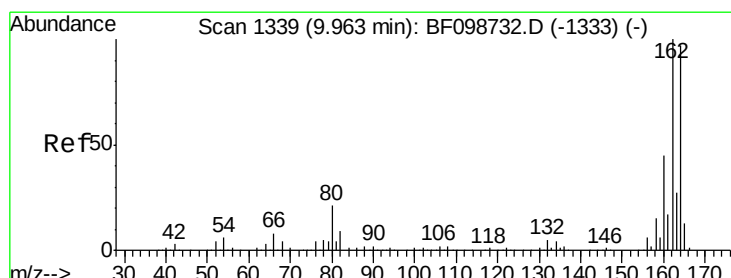
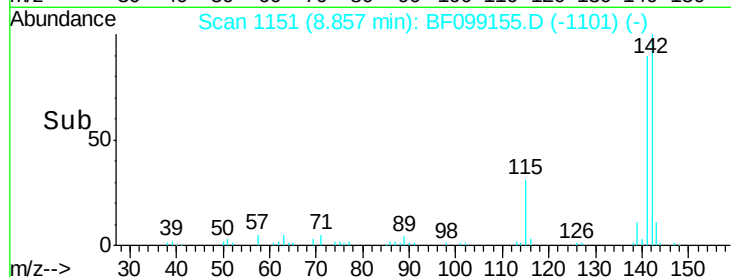
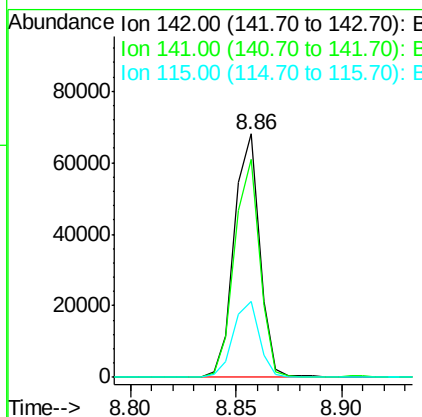
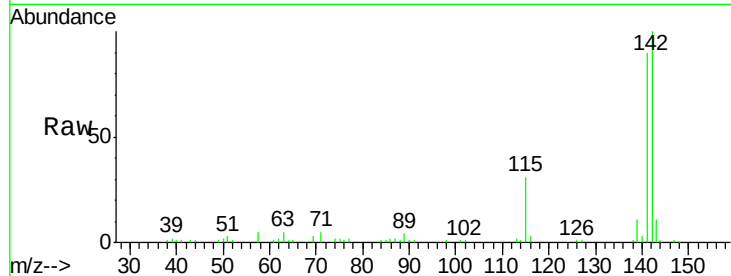
#37
2-Methylnaphthalene
Concen: 3.23 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Instrument :
BNA_F
ClientSampleId :
PAMT-COMP-CMS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.8	106.2
115	31.3	26.1	39.1

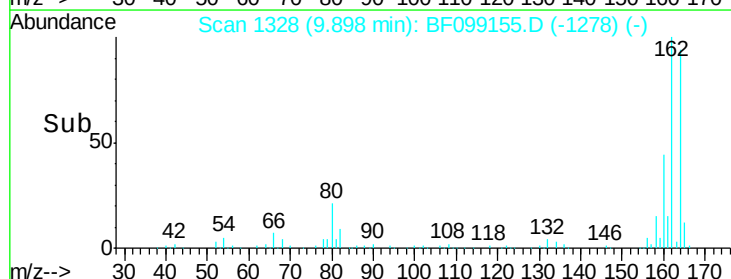
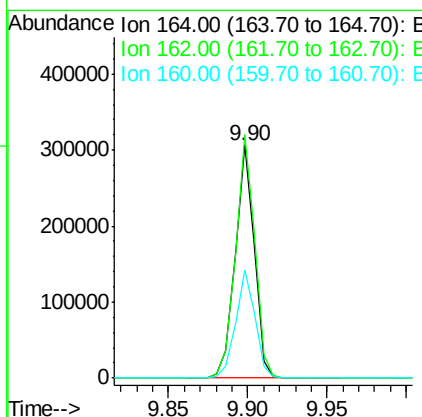
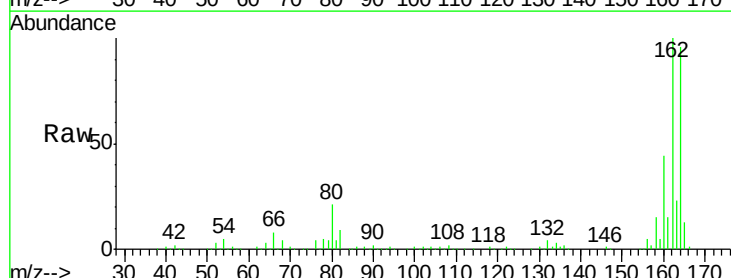
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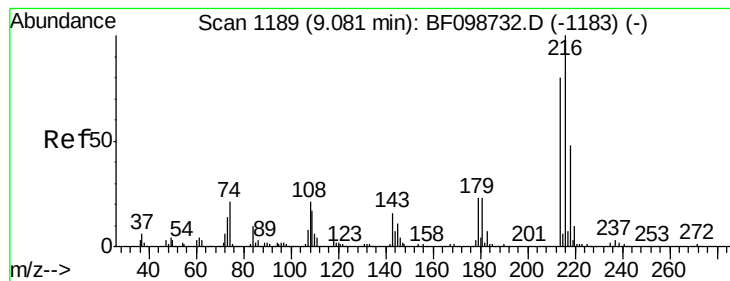
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	46.2	38.3	57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 2.70 ng

RT: 9.02 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF099155.D

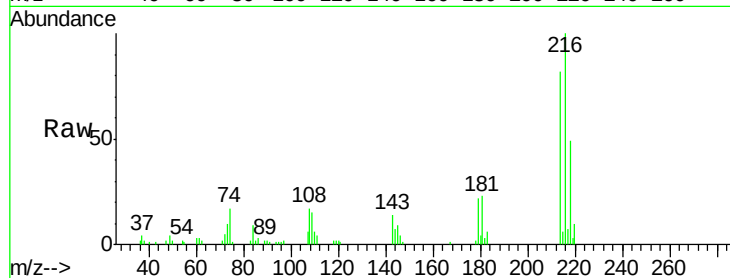
Acq: 6 Oct 2017 18:51

Instrument :

BNA_F

ClientSampleId :

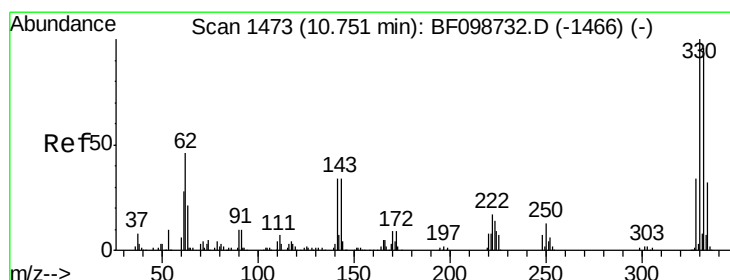
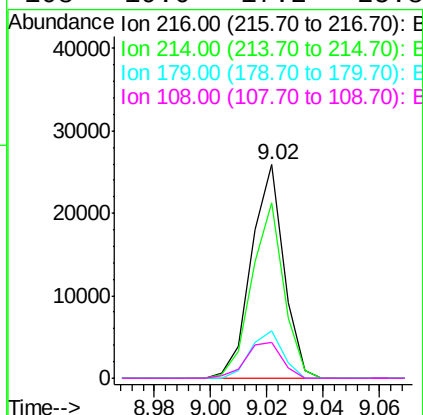
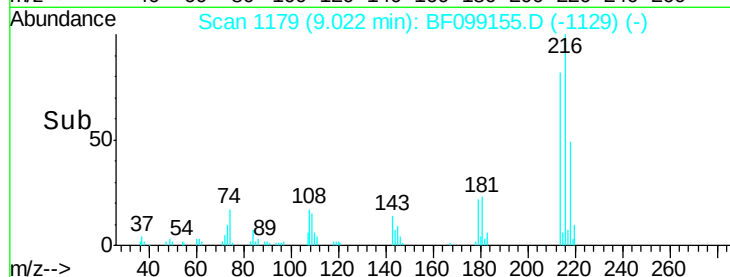
PAMT-COMP-CMS



Tgt Ion	Ratio	Resp	Lower	Upper
216	100	20621		
214	80.9	63.0	94.4	
179	22.1	18.1	27.1	
108	19.0	17.2	25.8	

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#41

2,4,6-Tribromophenol

Concen: 3.06 ng

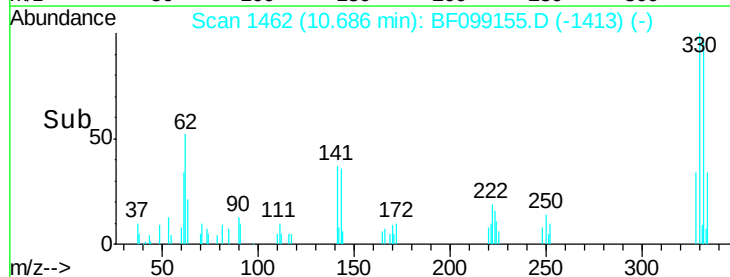
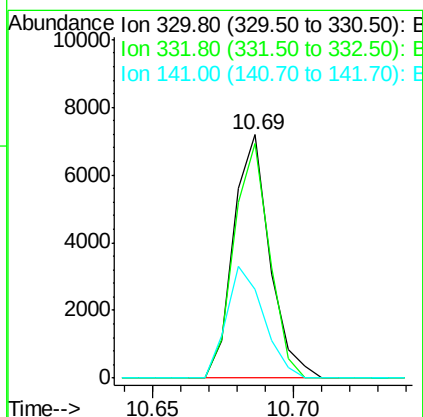
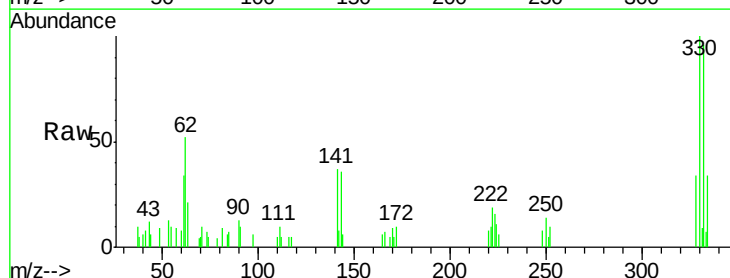
RT: 10.69 min Scan# 1462

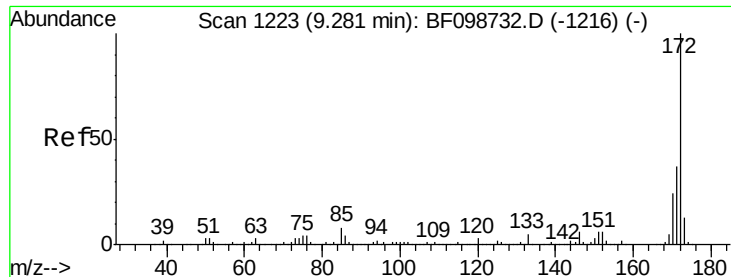
Delta R.T. -0.01 min

Lab File: BF099155.D

Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	6411		
332	94.3	77.0	115.6	
141	47.4	29.9	44.9	





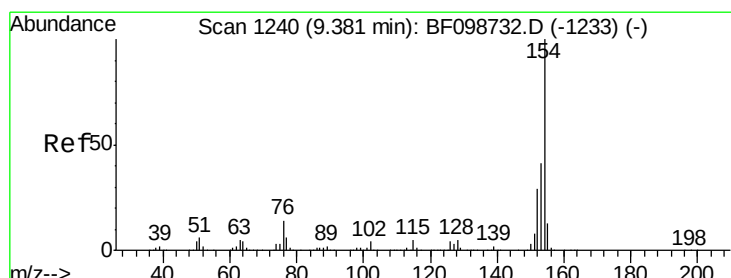
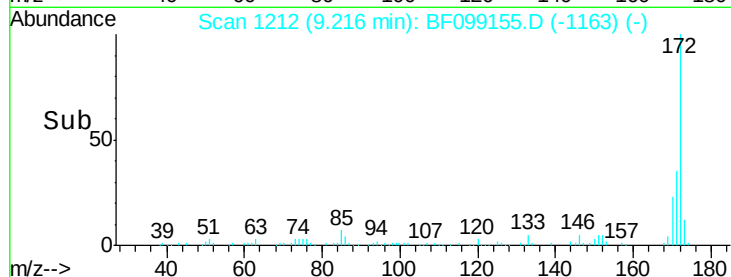
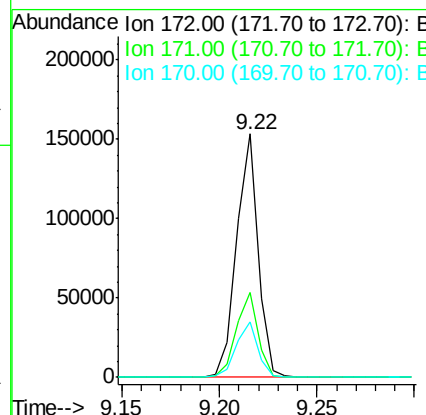
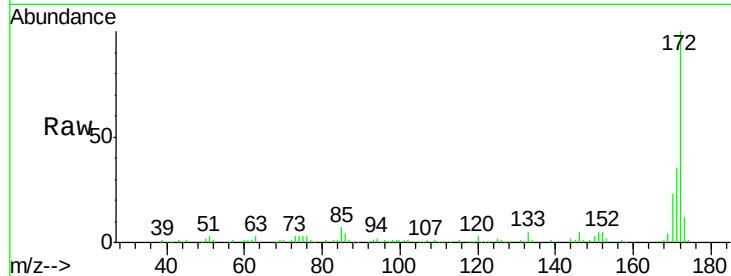
#44
2-Fluorobiphenyl
Concen: 7.67 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Instrument :
BNA_F
ClientSampleId :
PAMT-COMP-CMS

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	117784		
171	35.0	29.7	44.5	
170	22.7	19.6	29.4	

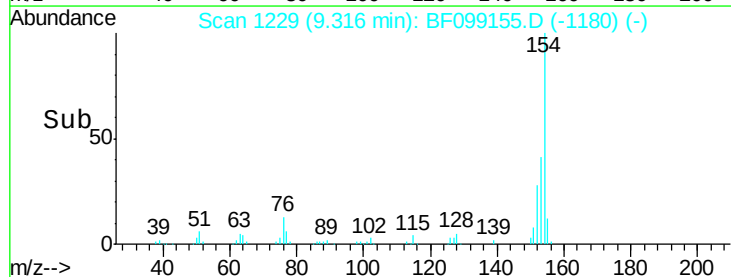
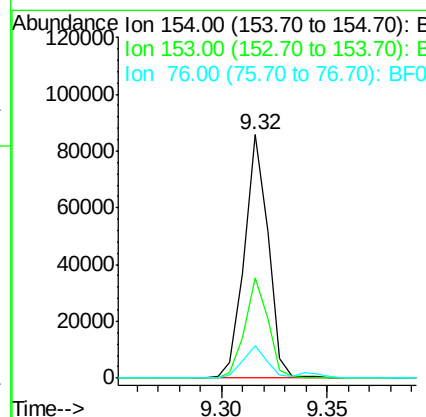
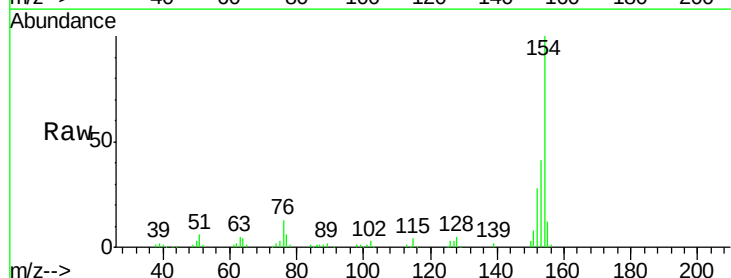
Manual Integrations
APPROVED

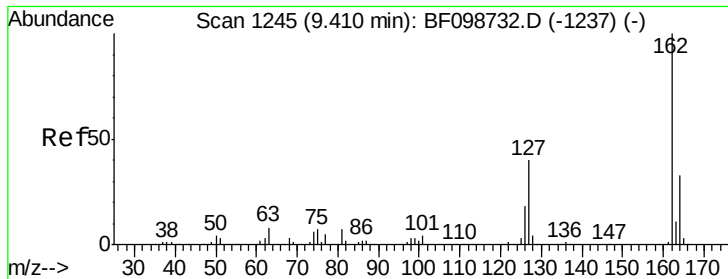
Sohil
10/9/2017 6:32:47 PM



#45
1,1'-Biphenyl
Concen: 3.02 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	66534		
153	41.3	21.3	61.3	
76	13.3	0.0	34.0	





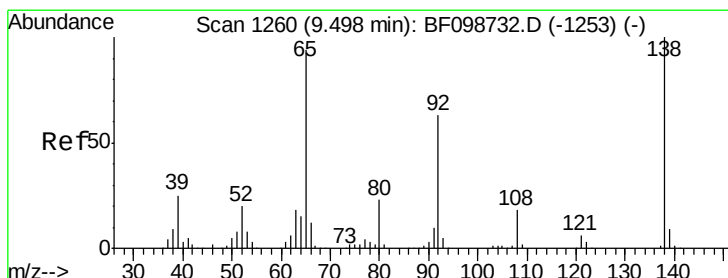
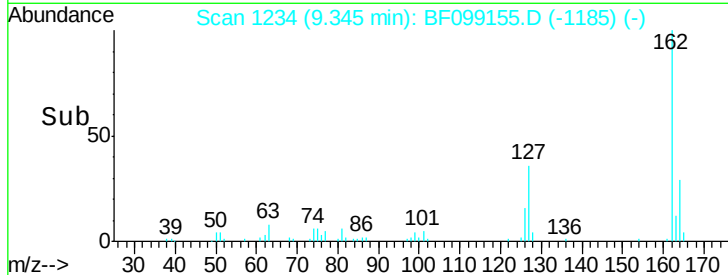
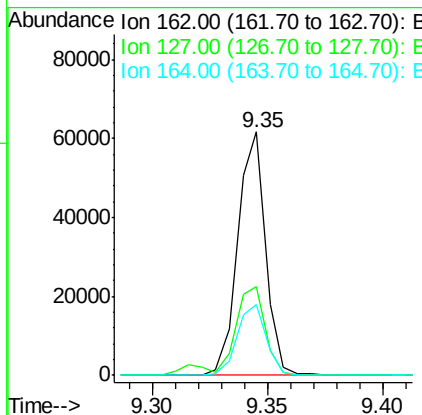
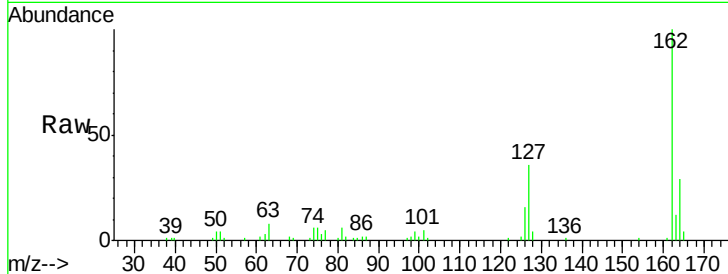
#46
 2-Chloronaphthalene
 Concen: 3.12 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Instrument :
 BNA_F
 ClientSampleId :
 PAMT-COMP-CMS

Tgt Ion	Ratio	Resp Lower	Upper
162	100		
127	36.5	33.9	50.9
164	29.1	26.5	39.7

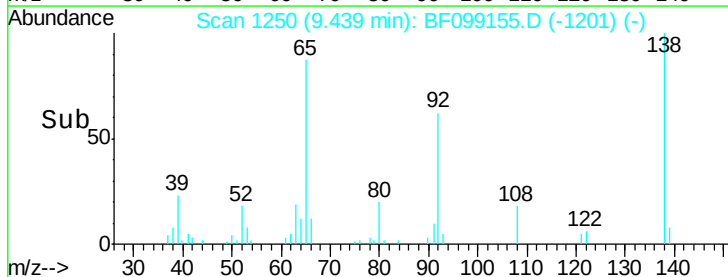
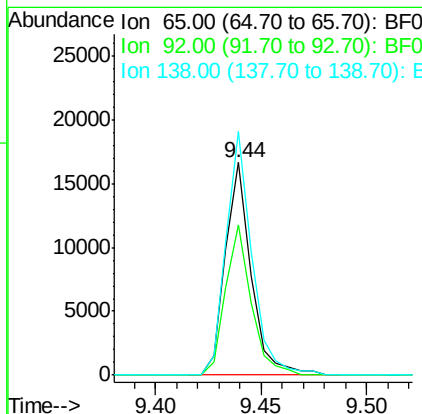
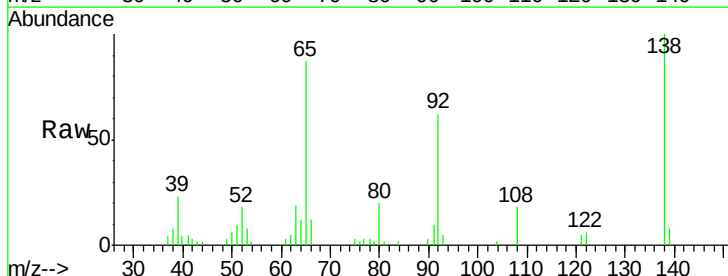
Manual Integrations
 APPROVED

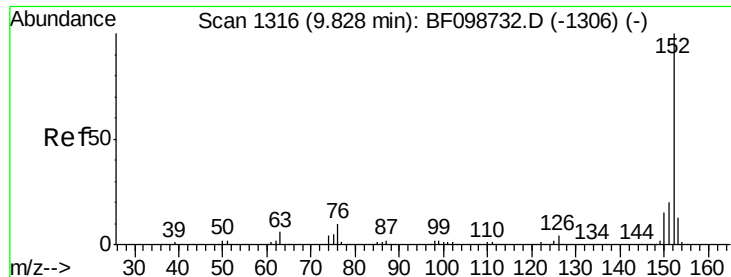
Sohil
 10/9/2017 6:32:47 PM



#47
 2-Nitroaniline
 Concen: 2.79 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	70.9	55.8	83.6
138	114.6	91.2	136.8





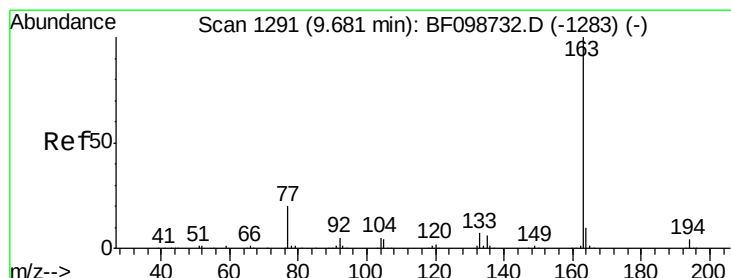
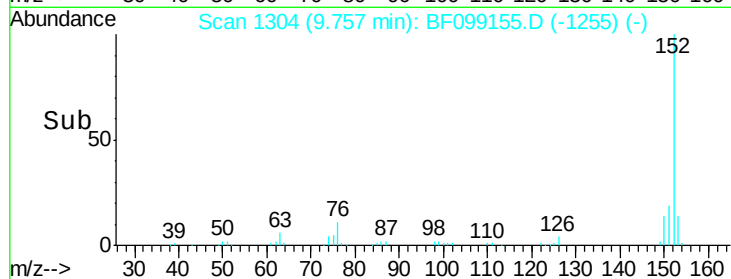
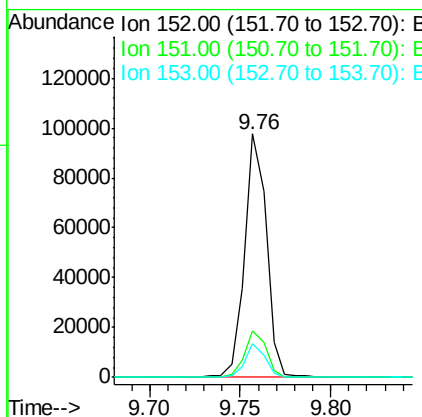
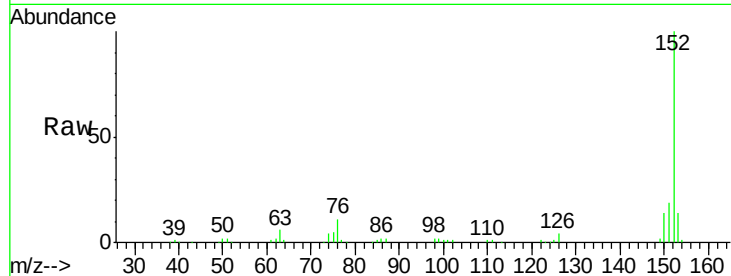
#48
Acenaphthylene
Concen: 3.22 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Instrument :
BNA_F
ClientSampleId :
PAMT-COMP-CMS

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.3	24.5
153	13.6	10.7	16.1

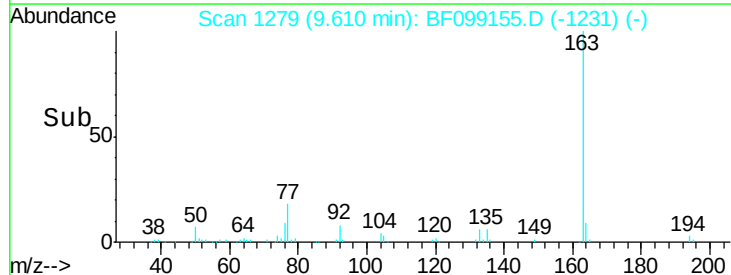
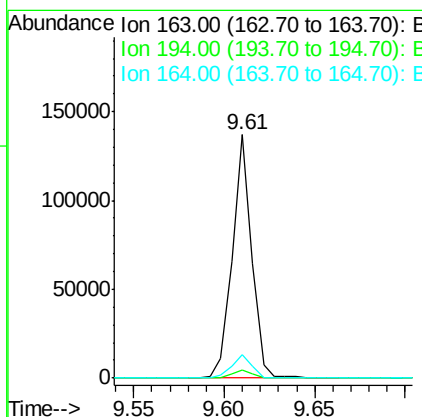
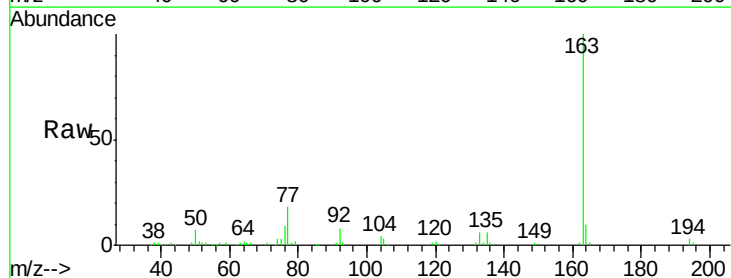
Manual Integrations
APPROVED

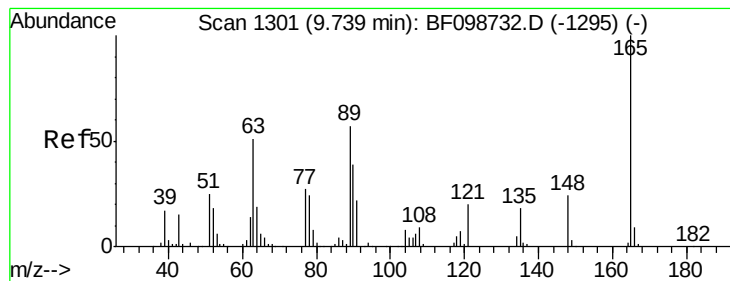
Sohil
10/9/2017 6:32:47 PM



#49
Dimethylphthalate
Concen: 5.29 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	9.7	8.2	12.2





#50

2,6-Dinitrotoluene

Concen: 3.15 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF099155.D

Acq: 6 Oct 2017 18:51

Instrument :

BNA_F

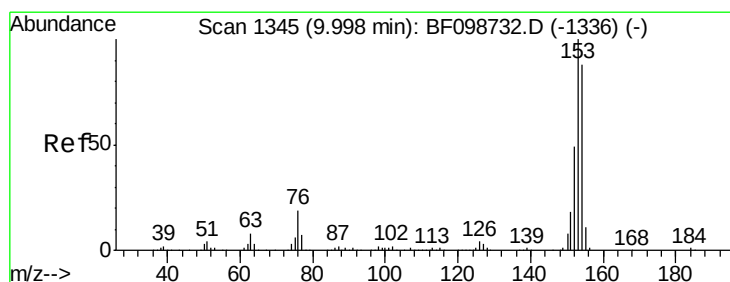
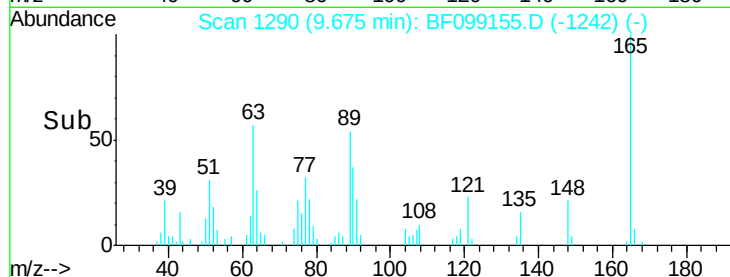
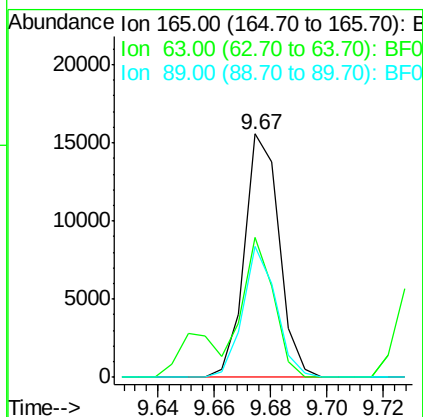
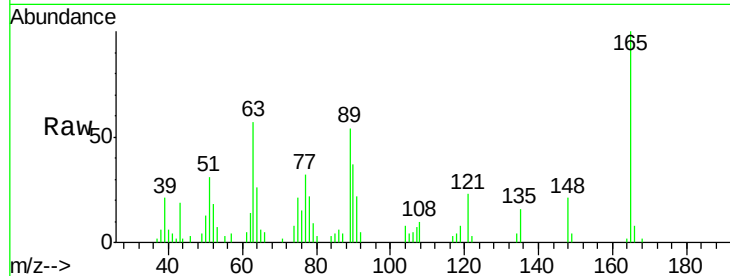
ClientSampleId :

PAMT-COMP-CMS

Tgt Ion:	165	Resp:	13268
Ion Ratio	Lower	Upper	
165	100		
63	57.3	44.7	67.1
89	53.7	44.0	66.0

Manual Integrations
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#51

Acenaphthene

Concen: 2.89 ng

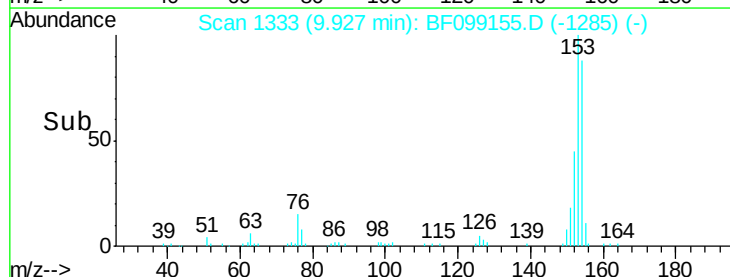
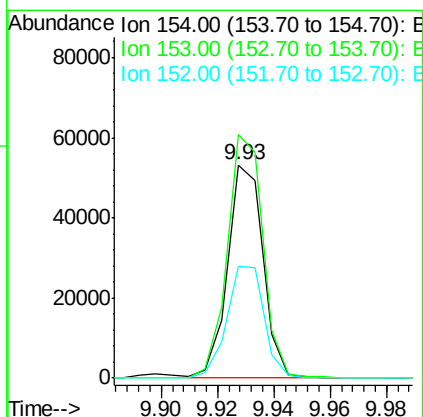
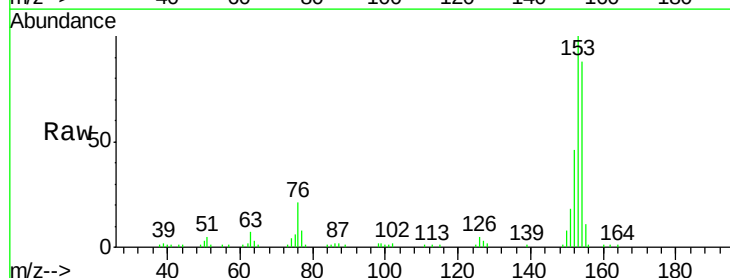
RT: 9.93 min Scan# 1333

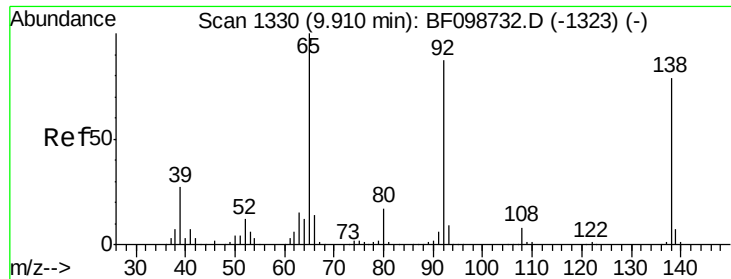
Delta R.T. -0.02 min

Lab File: BF099155.D

Acq: 6 Oct 2017 18:51

Tgt Ion:	154	Resp:	46438
Ion Ratio	Lower	Upper	
154	100		
153	114.3	91.2	136.8
152	52.4	43.8	65.8





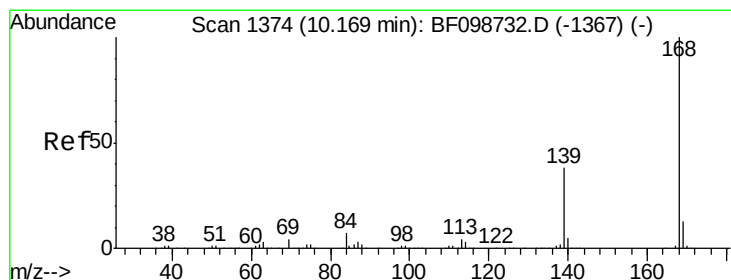
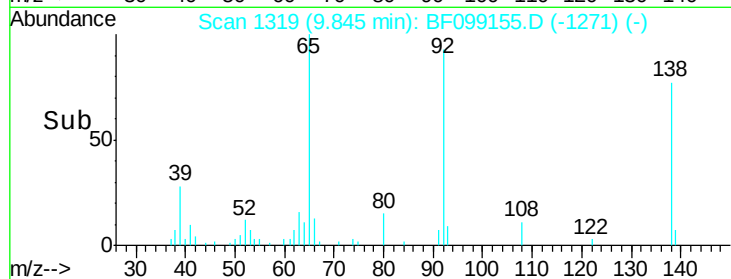
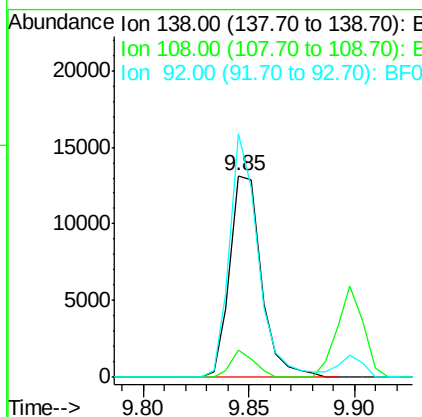
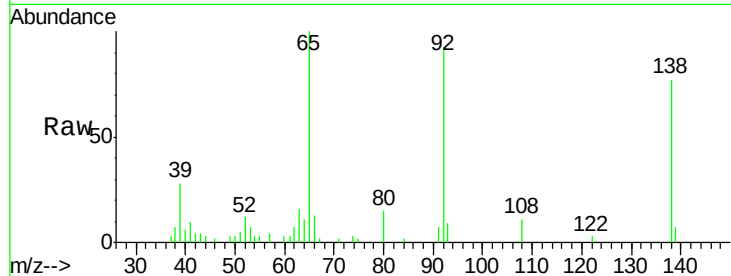
#52
3-Nitroaniline
Concen: 2.77 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Instrument :
BNA_F
ClientSampleId :
PAMT-COMP-CMS

Tgt Ion	Ratio	Lower	Upper
138	100		
108	13.7	9.4	14.0
92	120.6	89.4	134.2

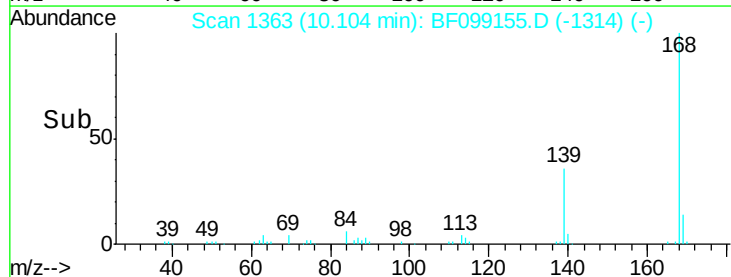
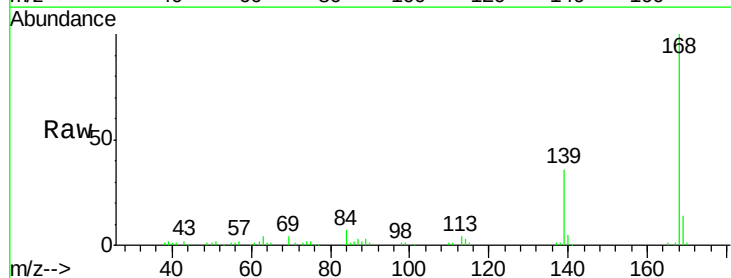
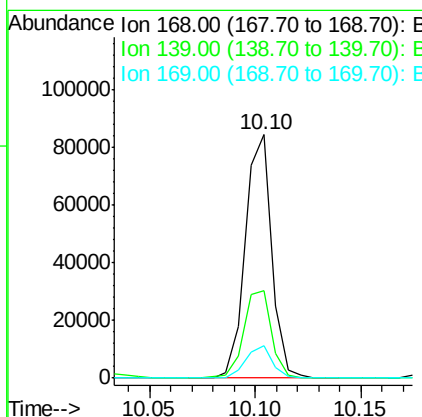
Manual Integrations
APPROVED

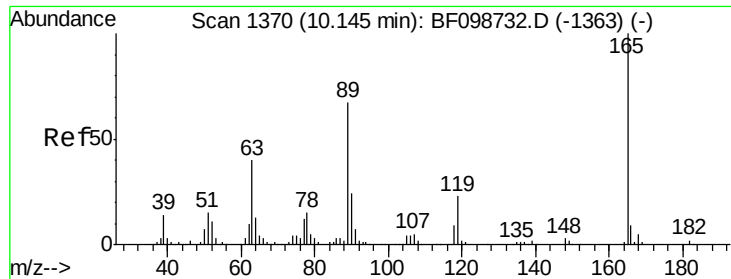
Sohil
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#54
Dibenzofuran
Concen: 3.43 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.0	30.1	45.1
169	13.5	10.9	16.3





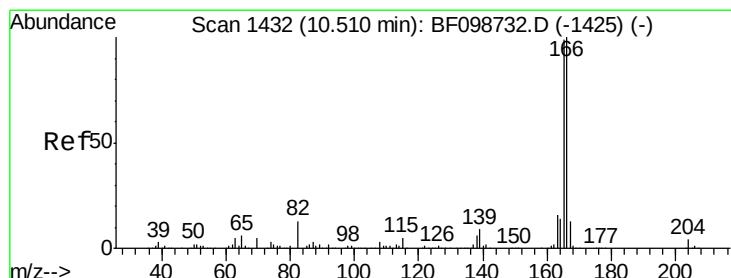
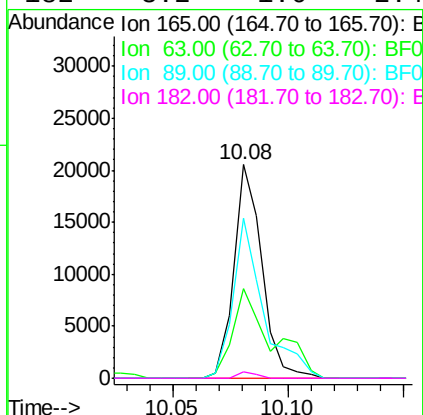
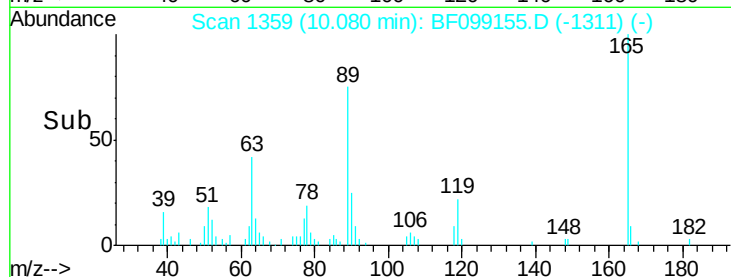
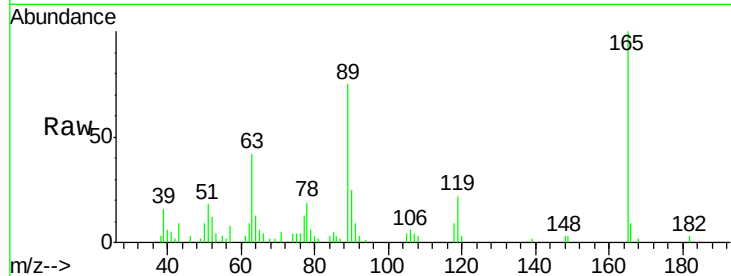
#56
2,4-Dinitrotoluene
Concen: 3.18 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.02 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Instrument :
BNA_F
ClientSampleId :
PAMT-COMP-CMS

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	42.0	36.4	54.6
89	74.7	57.8	86.6
182	3.2	1.6	2.4

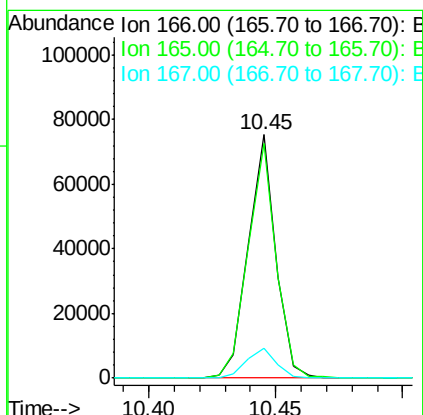
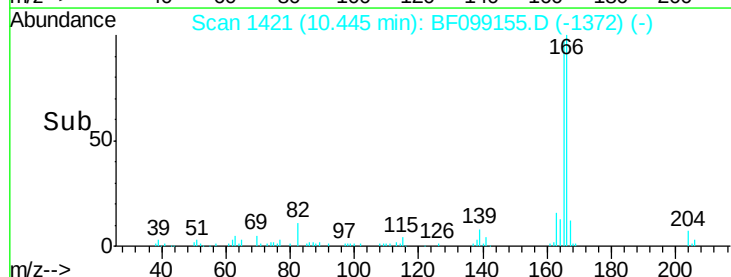
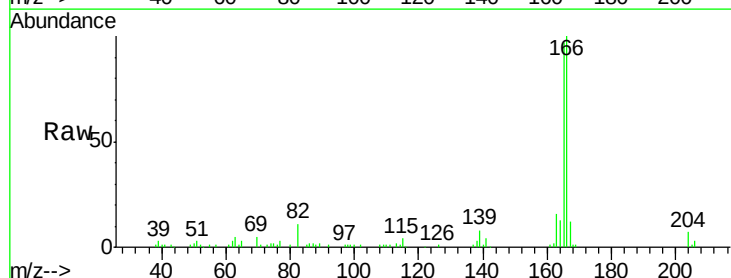
Manual Integrations
APPROVED

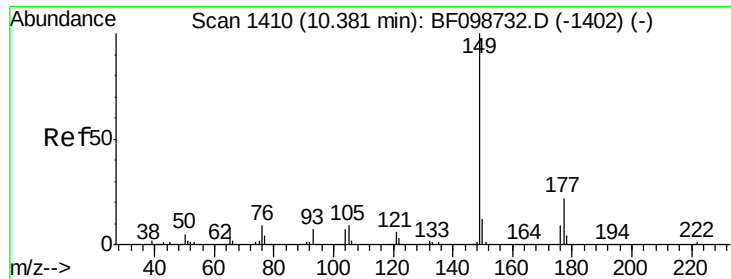
Sohil
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#57
Fluorene
Concen: 3.32 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	96.5	79.8	119.8
167	12.2	10.6	16.0





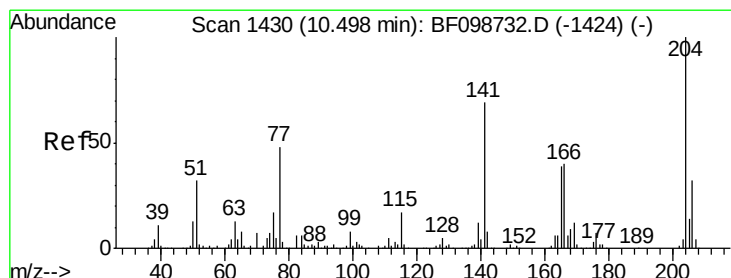
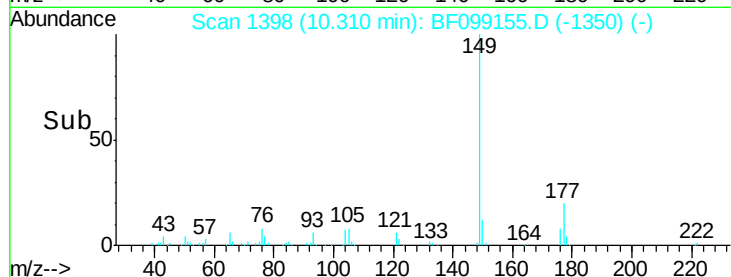
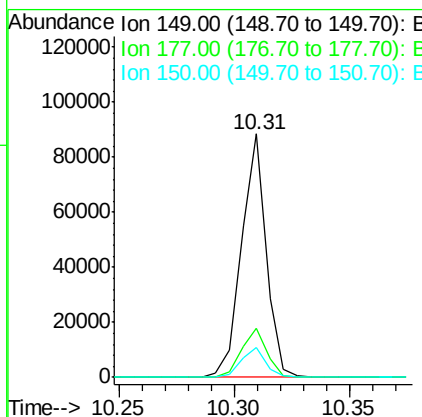
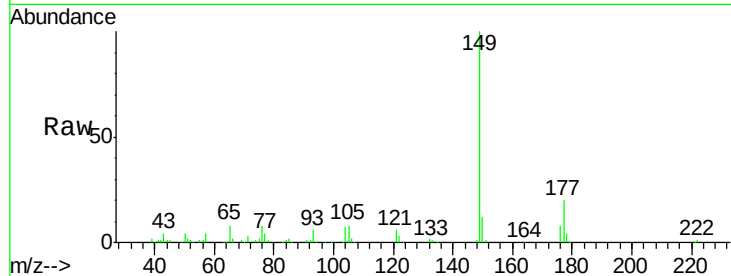
#59
Diethylphthalate
Concen: 3.50 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.02 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Instrument :
BNA_F
ClientSampleId :
PAMT-COMP-CMS

Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.2	16.1	24.1
150	12.3	10.1	15.1

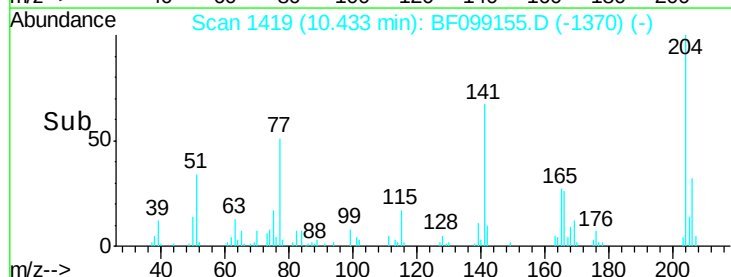
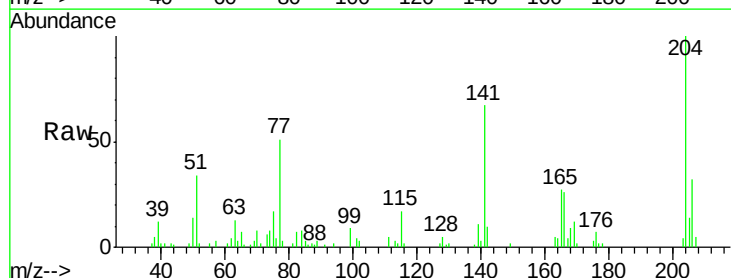
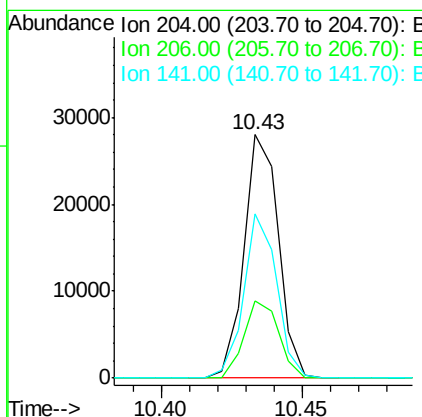
Manual Integrations
APPROVED

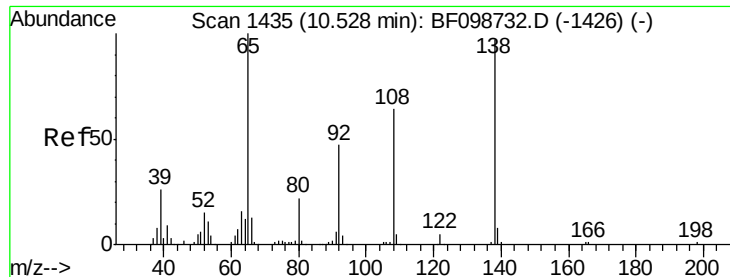
Sohil
10/9/2017 6:32:47 PM



#60
4-Chlorophenyl-phenylether
Concen: 3.06 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.5	39.7
141	67.5	54.6	81.8





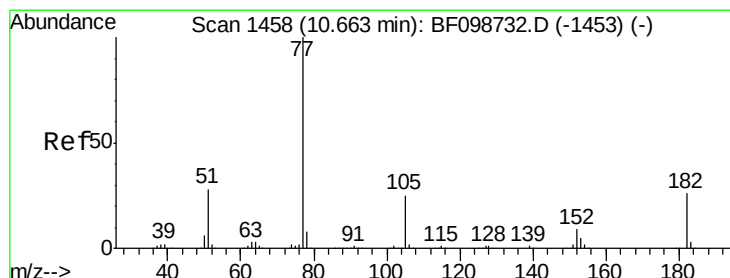
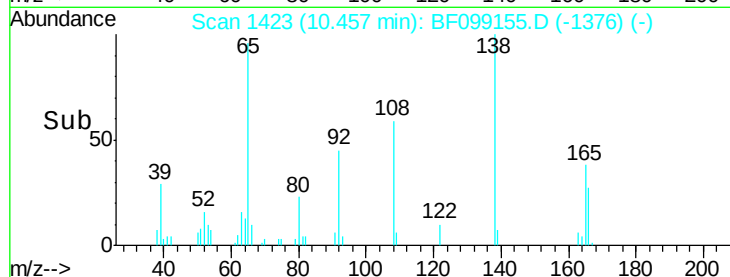
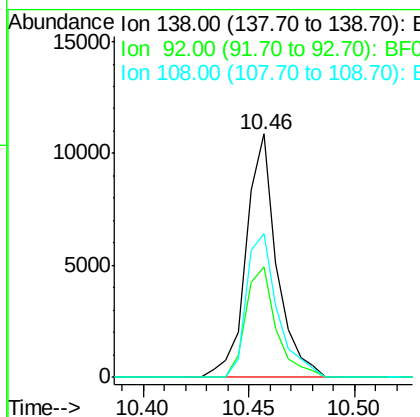
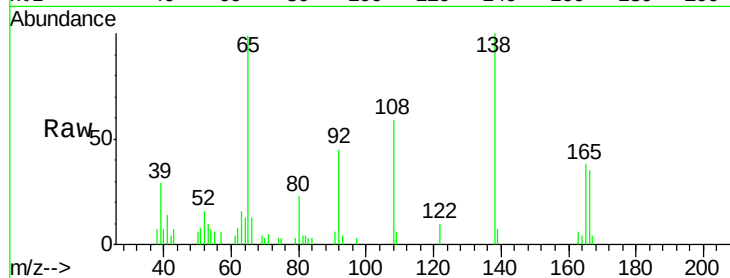
#61
4-Nitroaniline
Concen: 2.31 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.02 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Instrument :
BNA_F
ClientSampleId :
PAMT-COMP-CMS

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	10959		
92	45.2	30.2	70.2	
108	59.0	52.5	92.5	

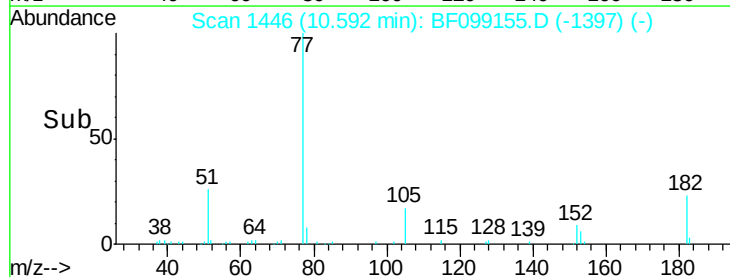
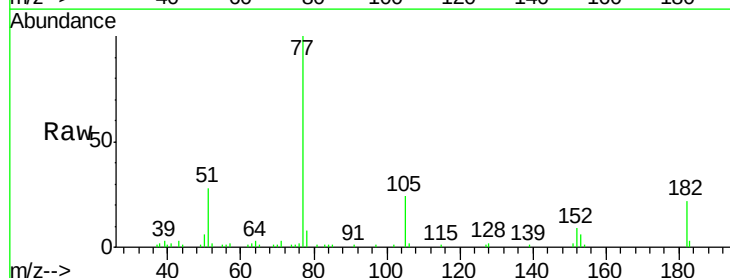
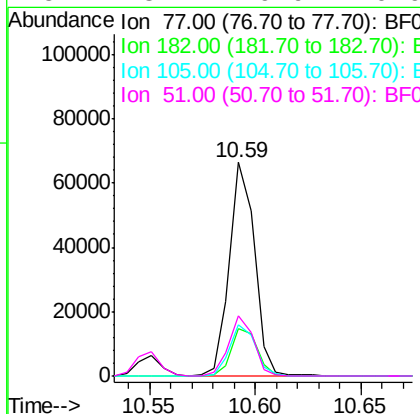
Manual Integrations
APPROVED

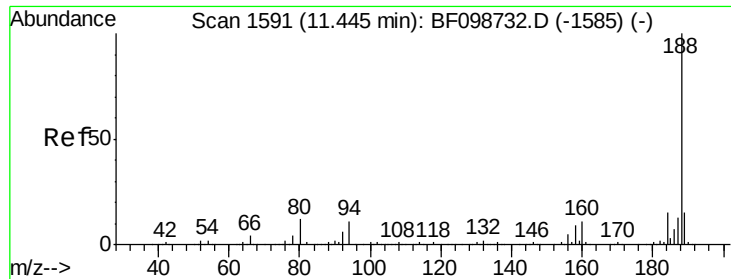
Sohil
10/9/2017 6:32:47 PM



#62
Azobenzene
Concen: 3.15 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	54798		
182	22.4	1.7	41.7	
105	24.0	3.0	43.0	
51	28.1	9.9	49.9	





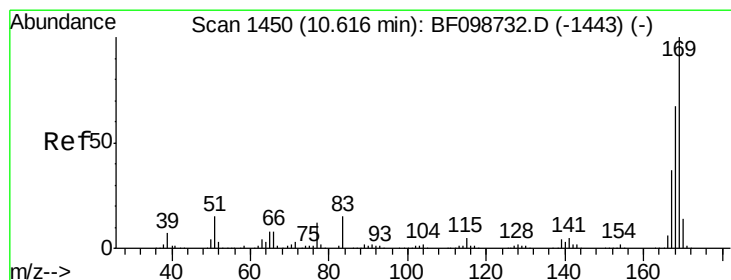
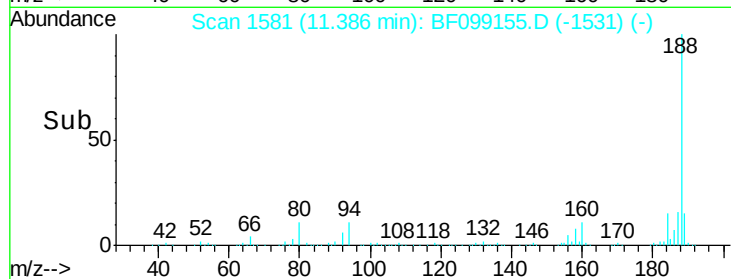
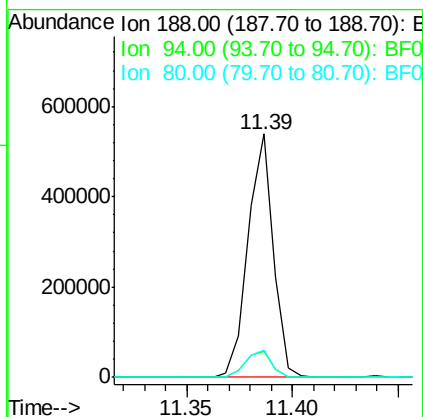
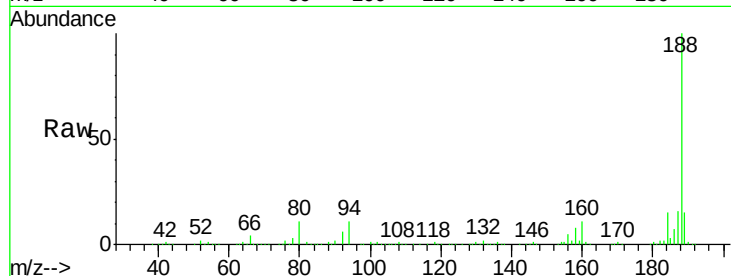
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Instrument :
BNA_F
ClientSampleId :
PAMT-COMP-CMS

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.5	8.5	12.7
80	11.4	9.2	13.8

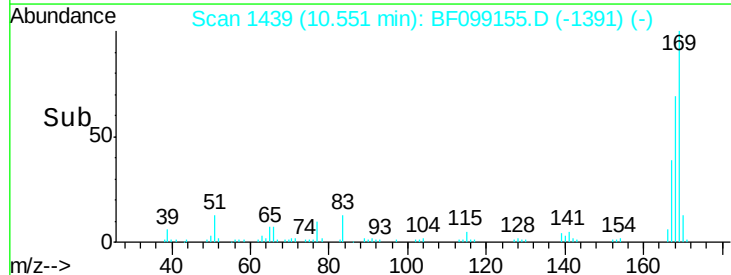
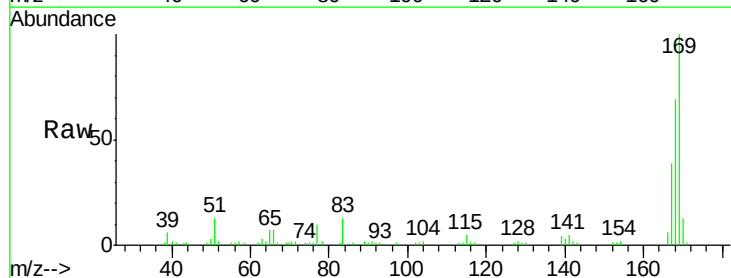
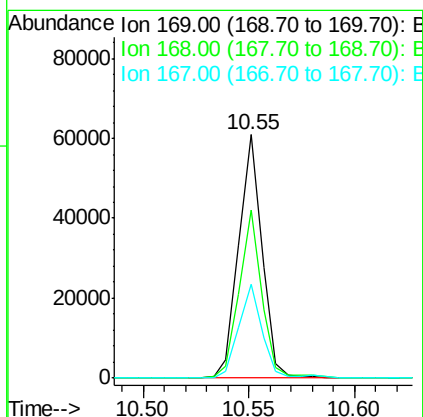
Manual Integrations
APPROVED

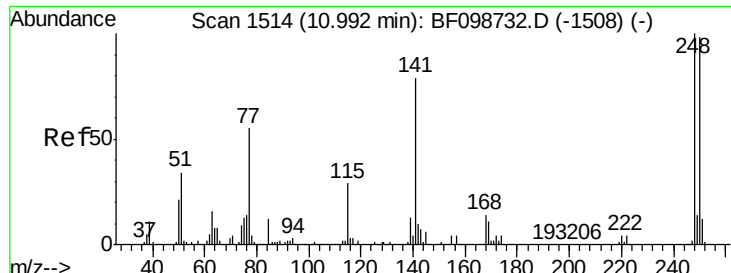
Sohil
10/9/2017 6:32:47 PM



#65
n-Nitrosodiphenylamine
Concen: 3.00 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.02 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
169	100		
168	69.0	54.4	81.6
167	38.5	29.8	44.6





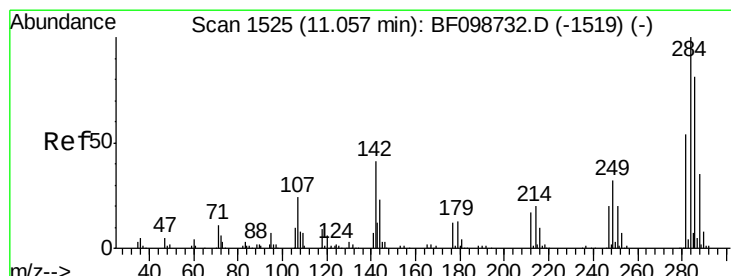
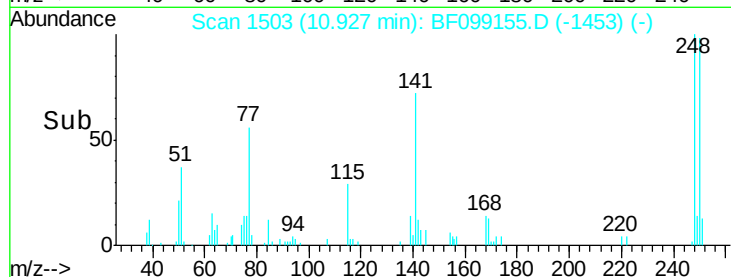
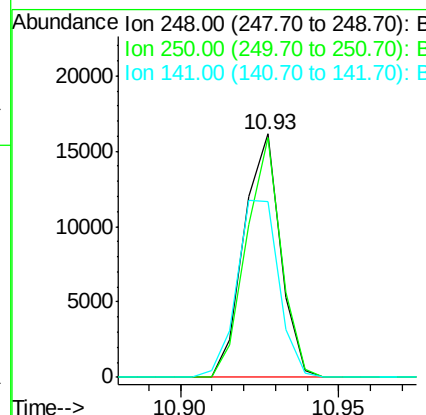
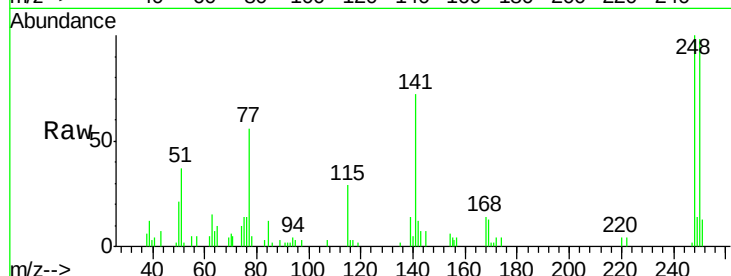
#66
 4-Bromophenyl-phenylether
 Concen: 2.92 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Instrument :
 BNA_F
 ClientSampleId :
 PAMT-COMP-CMS

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.3	76.9	115.3
141	72.3	74.4	111.6#

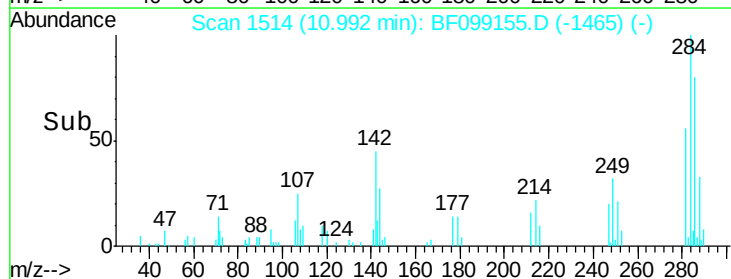
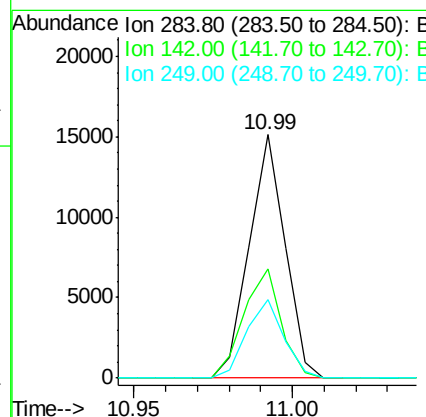
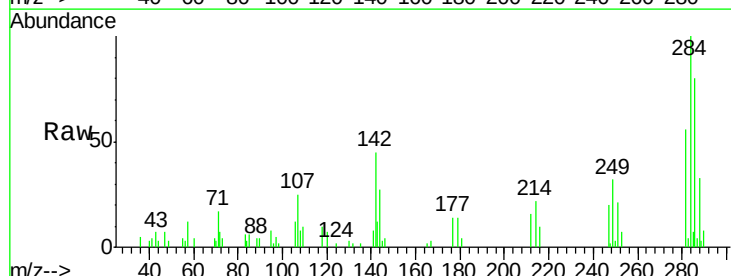
Manual Integrations
 APPROVED

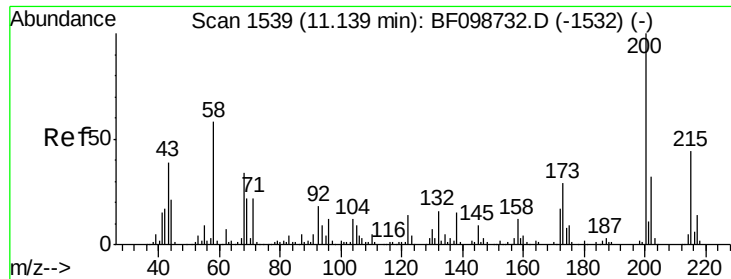
Sohil
 10/9/2017 6:32:47 PM



#67
 Hexachlorobenzene
 Concen: 2.52 ng
 RT: 10.99 min Scan# 1514
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Lower	Upper
284	100		
142	44.6	34.6	52.0
249	32.1	24.8	37.2





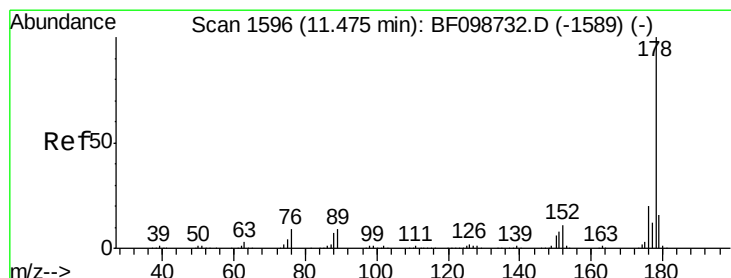
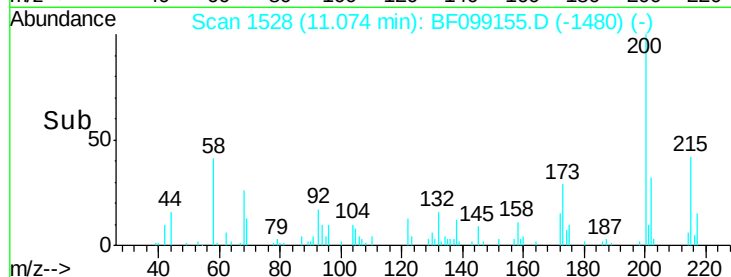
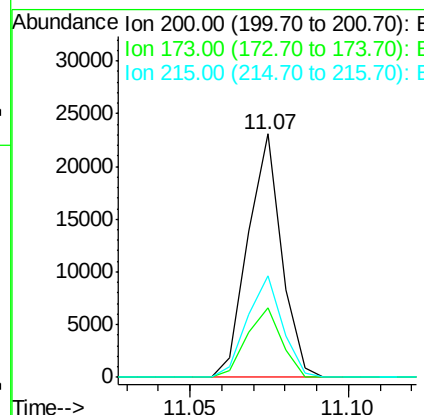
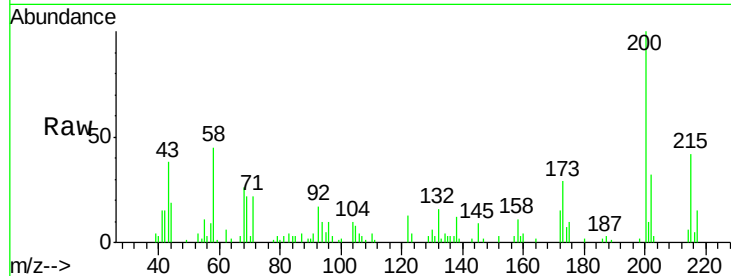
#68
 Atrazine
 Concen: 3.62 ng
 RT: 11.07 min Scan# 1528
 Delta R.T. -0.02 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Instrument :
 BNA_F
 ClientSampleId :
 PAMT-COMP-CMS

Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.7	8.6	48.6
215	41.9	25.1	65.1

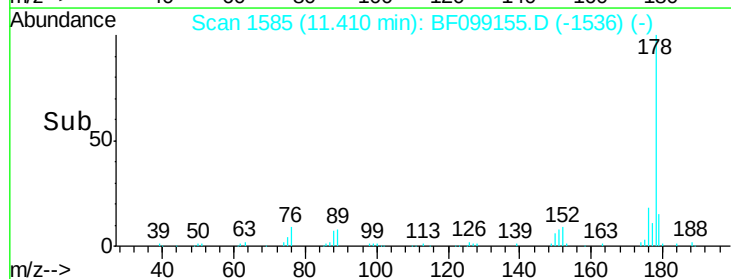
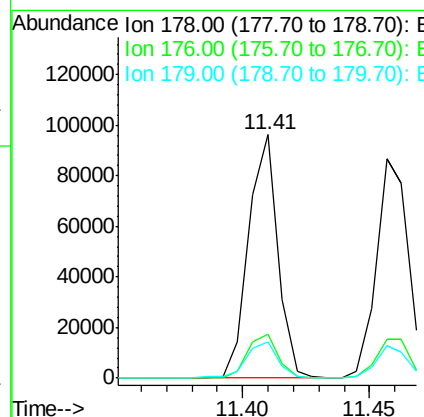
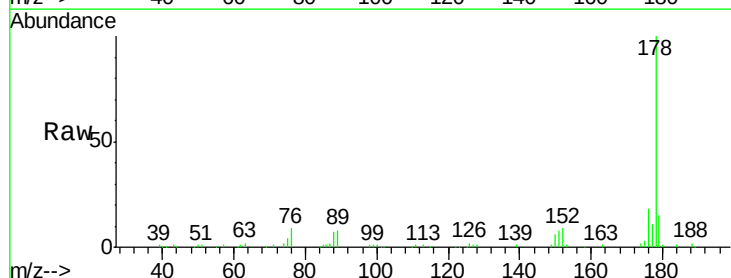
Manual Integrations
 APPROVED

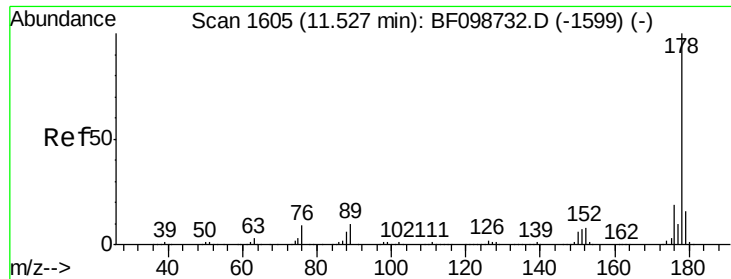
Sohil
 10/9/2017 6:32:47 PM



#70
 Phenanthrene
 Concen: 3.22 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	14.7	13.0	19.6





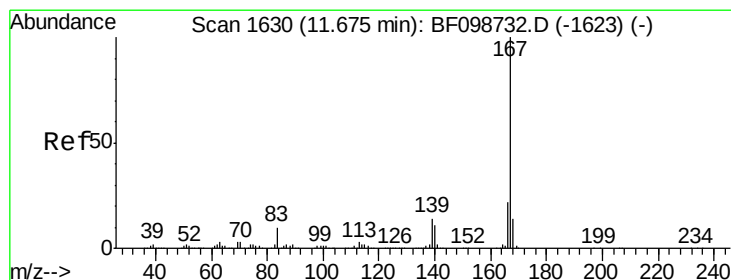
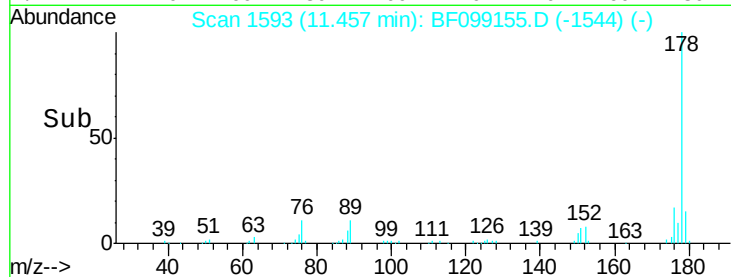
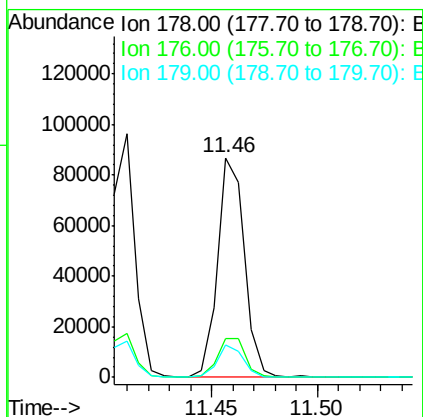
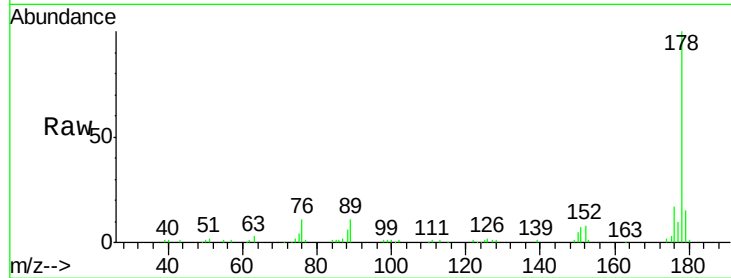
#71
 Anthracene
 Concen: 3.12 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Instrument :
 BNA_F
 ClientSampleId :
 PAMT-COMP-CMS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	14.8	12.6	19.0

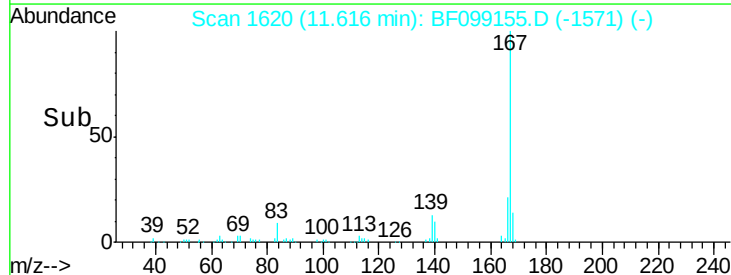
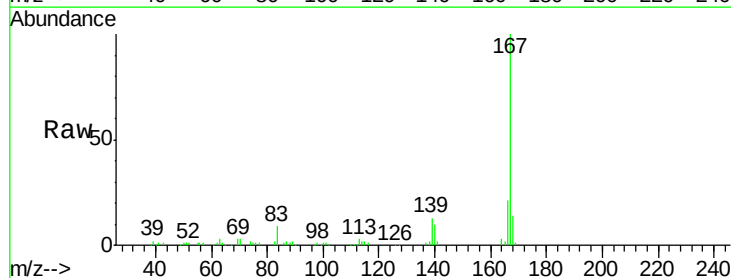
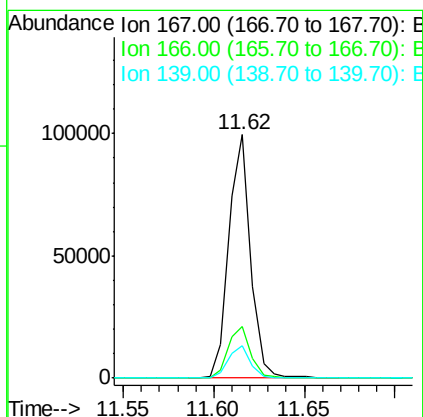
Manual Integrations
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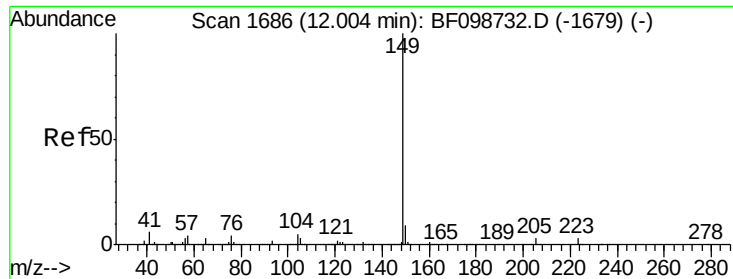
Sohil
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#72
 Carbazole
 Concen: 3.46 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.6	26.4
139	13.1	10.9	16.3





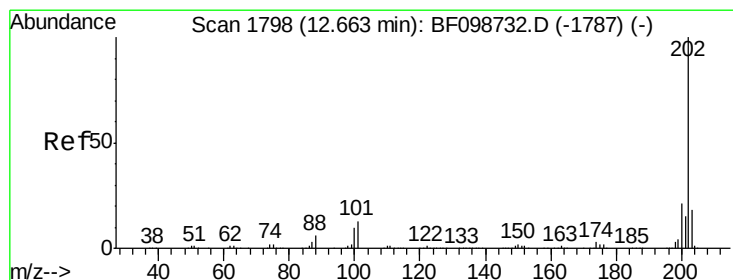
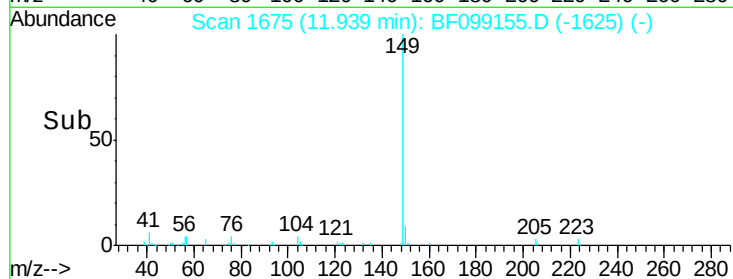
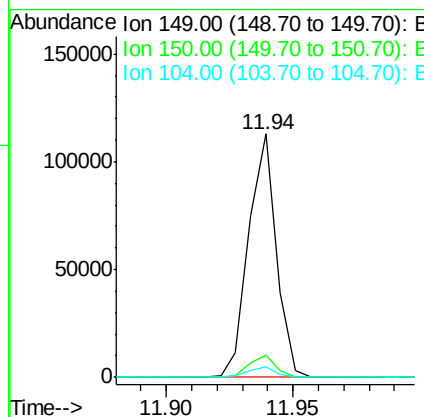
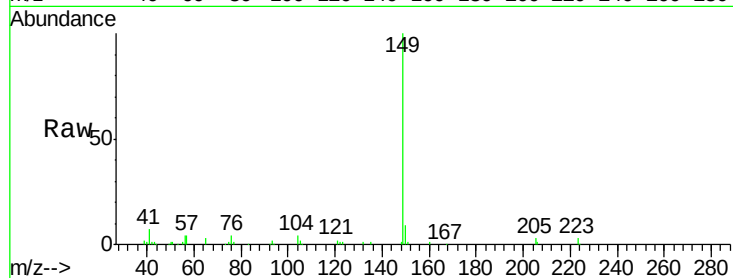
#73
Di-n-butylphthalate
Concen: 2.97 ng
RT: 11.94 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Instrument :
BNA_F
ClientSampleId :
PAMT-COMP-CMS

Tgt Ion:	149	Resp:	85957
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.8	11.6
104	4.2	3.8	5.8

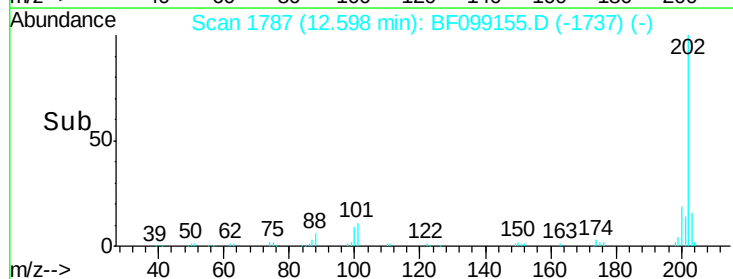
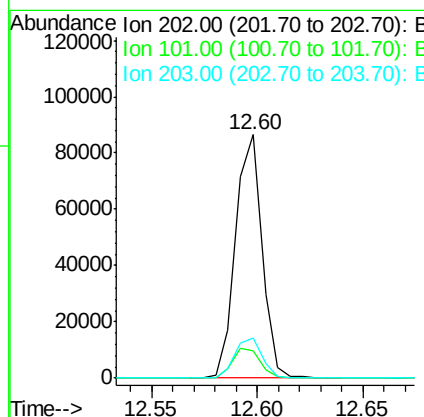
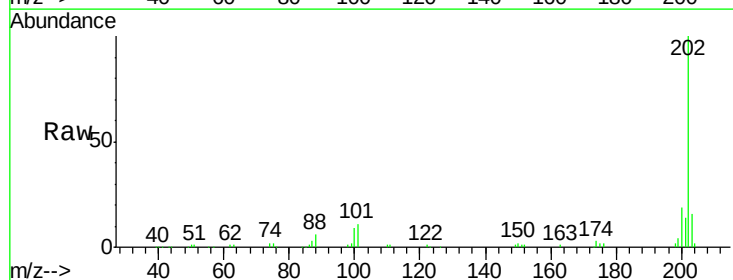
Manual Integrations
APPROVED

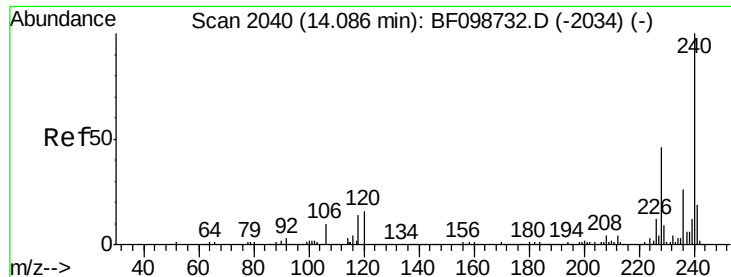
Sohil
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#74
Fluoranthene
Concen: 3.06 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Tgt Ion:	202	Resp:	74548
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	34.1
203	16.5	0.0	38.1





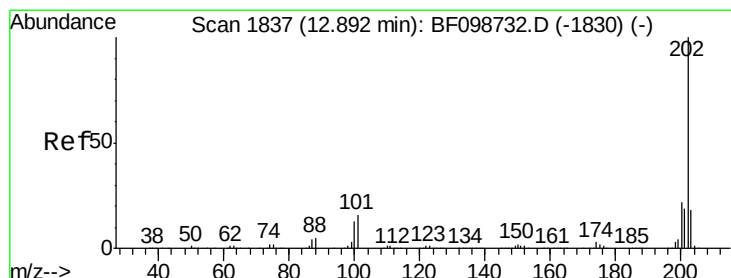
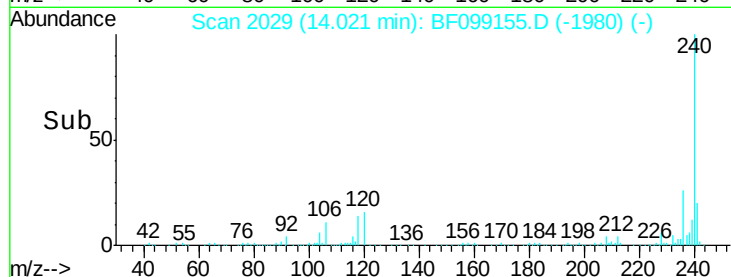
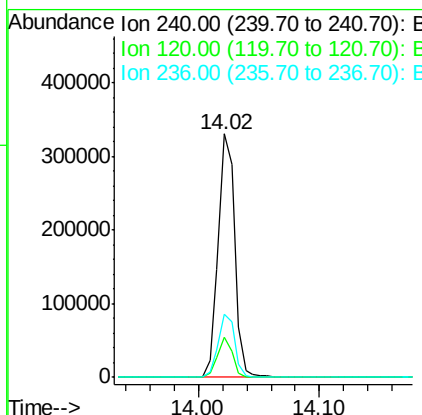
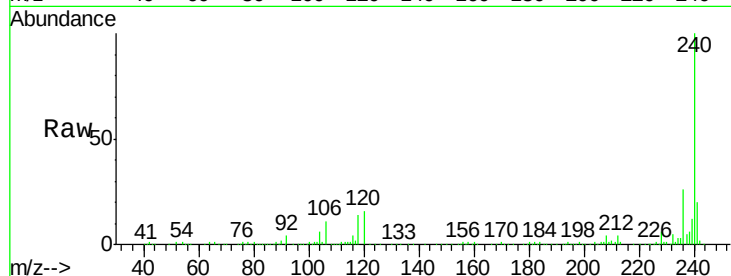
#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Instrument :
 BNA_F
 ClientSampleId :
 PAMT-COMP-CMS

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.5	9.5	14.3
236	26.0	20.7	31.1

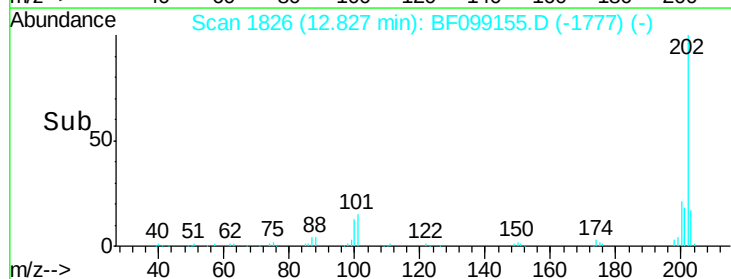
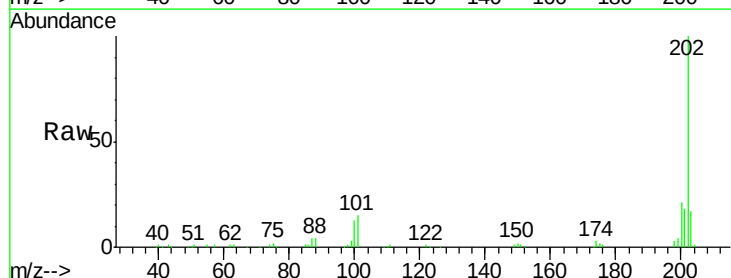
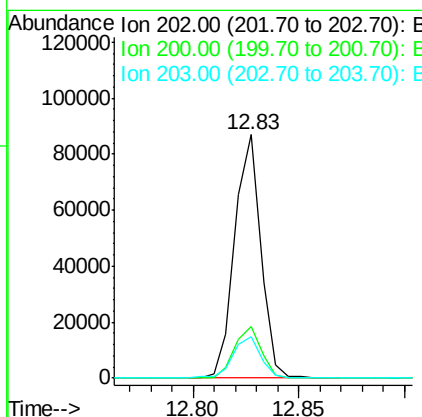
Manual Integrations
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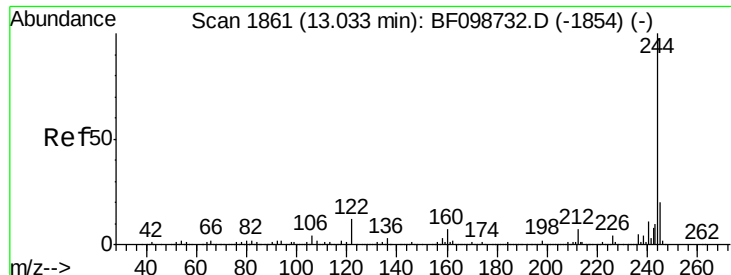
Sohil
 10/9/2017 6:32:47 PM



#77
Pyrene
 Concen: 3.14 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.2	14.3	21.5





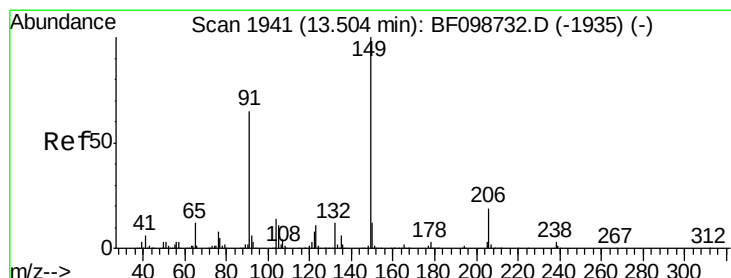
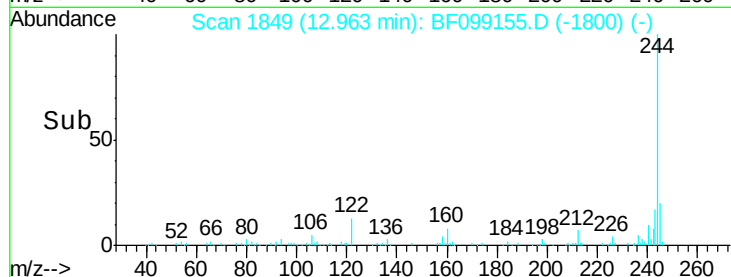
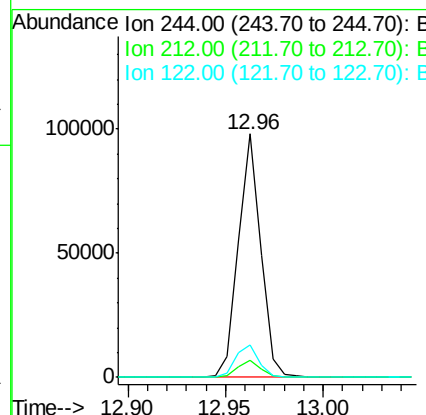
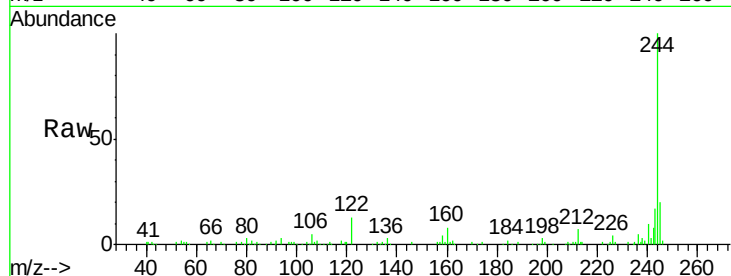
#78
 Terphenyl-d14
 Concen: 5.70 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Instrument :
 BNA_F
 ClientSampleId :
 PAMT-COMP-CMS

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	77869		
212	7.3		5.4	8.0
122	13.4		11.0	16.4

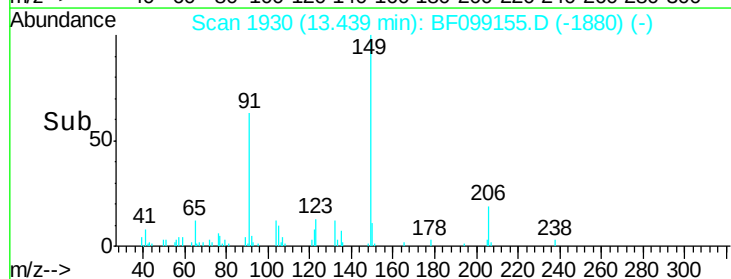
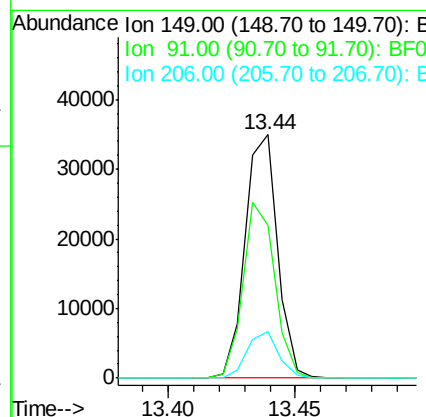
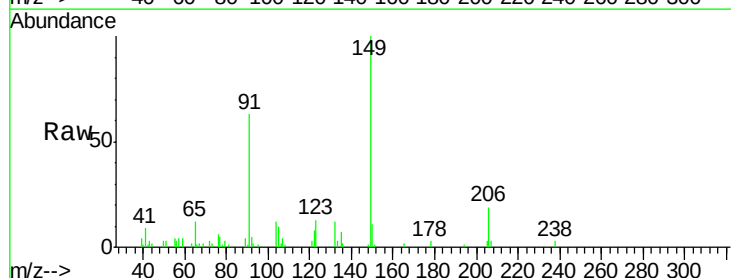
Manual Integrations
 APPROVED

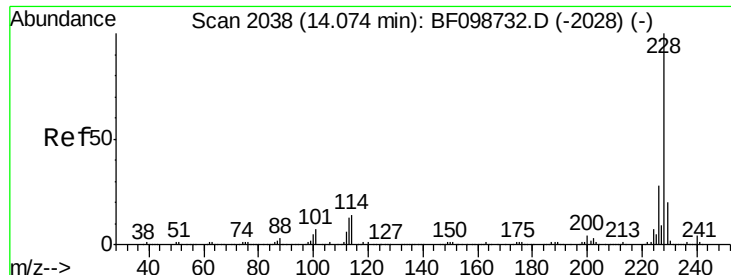
Sohil
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#79
 Butylbenzylphthalate
 Concen: 2.79 ng
 RT: 13.44 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	31066		
91	62.9		56.8	85.2
206	19.0		14.1	21.1





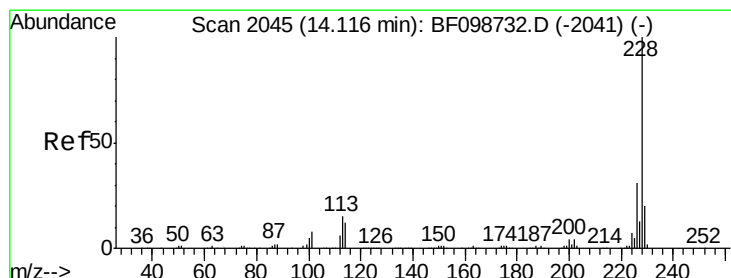
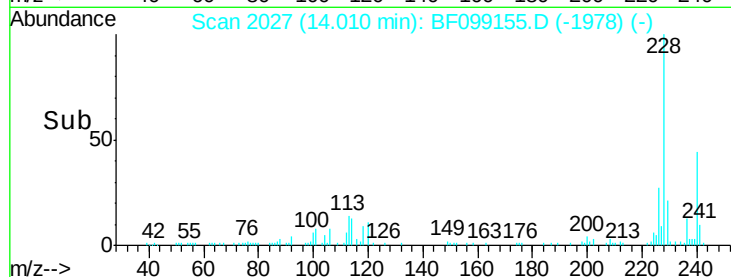
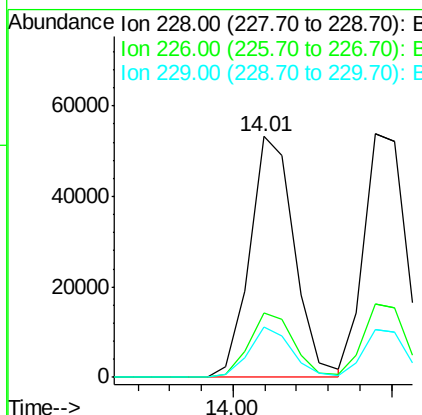
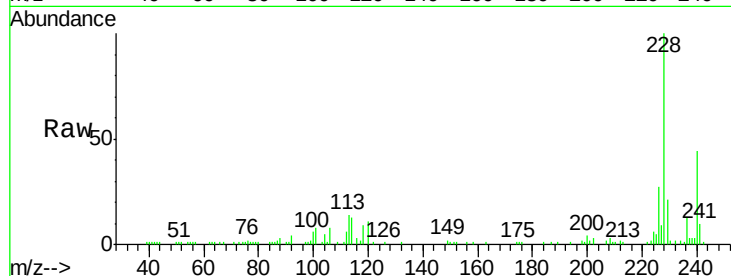
#80
Benzo(a)anthracene
Concen: 2.76 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Instrument :
BNA_F
ClientSampleId :
PAMT-COMP-CMS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	21.2	15.8	23.6

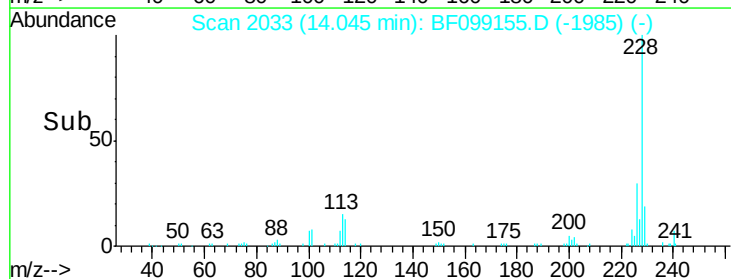
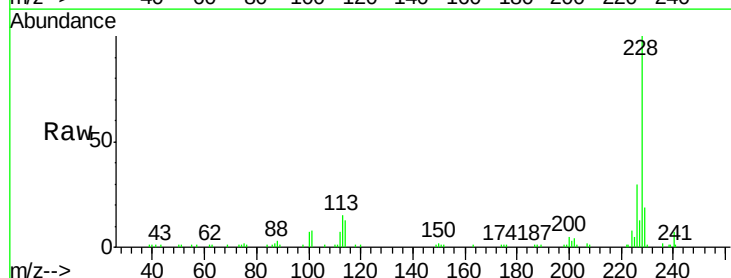
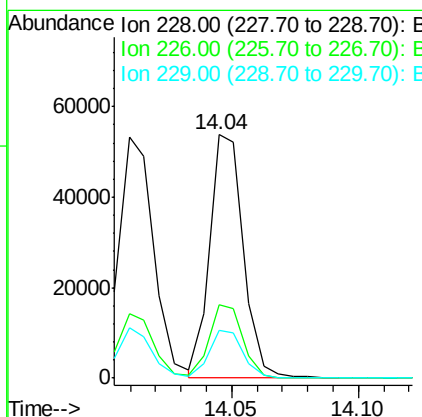
Manual Integrations
APPROVED

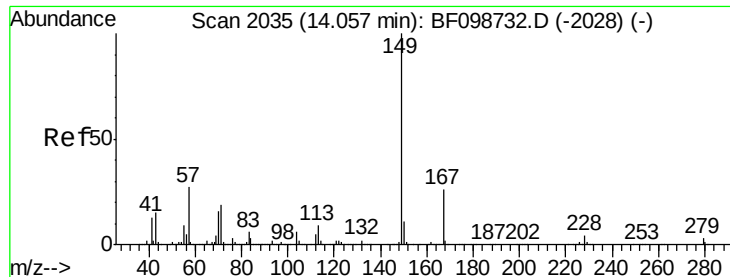
Sohil
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#82
Chrysene
Concen: 2.78 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.02 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	19.4	16.2	24.4





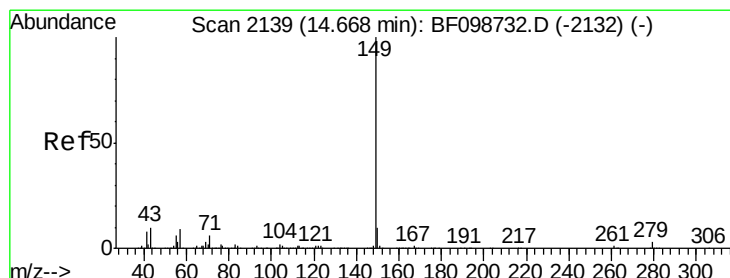
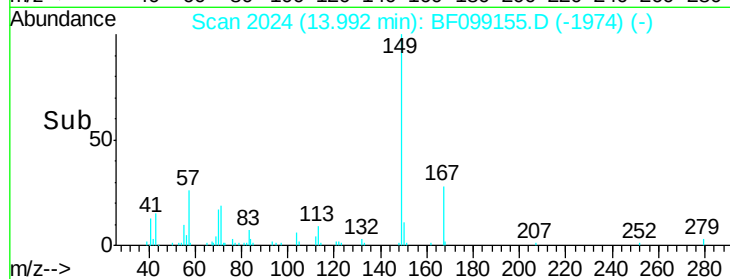
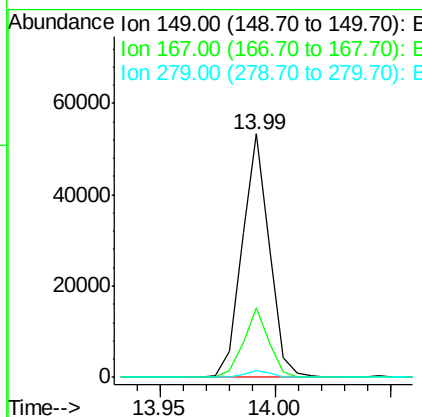
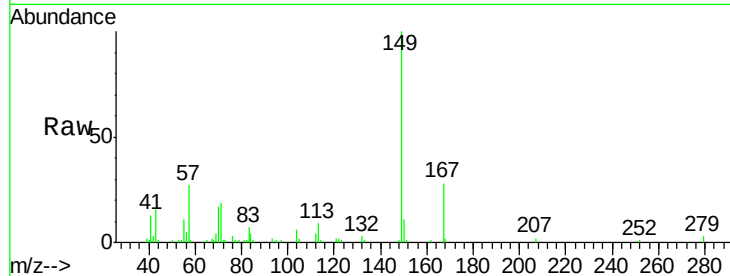
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.84 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Instrument :
 BNA_F
 ClientSampleId :
 PAMT-COMP-CMS

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	43500		
167	28.5	21.3	31.9	
279	2.8	3.0	4.4	

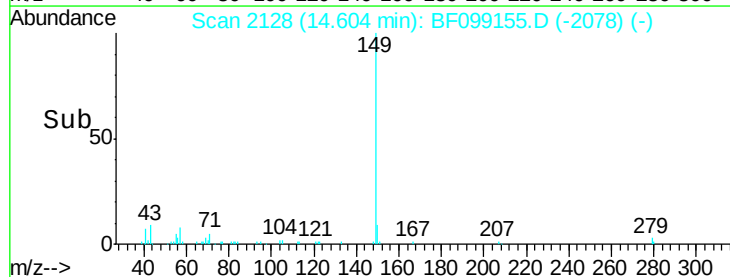
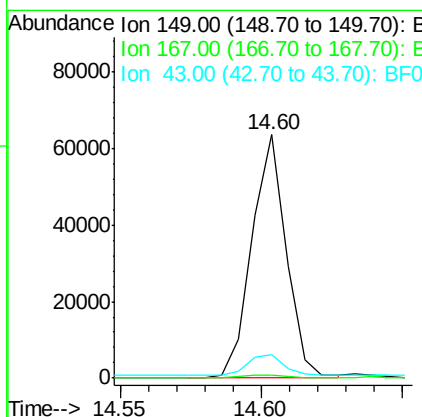
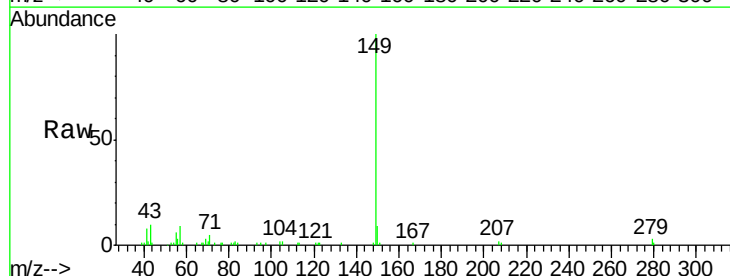
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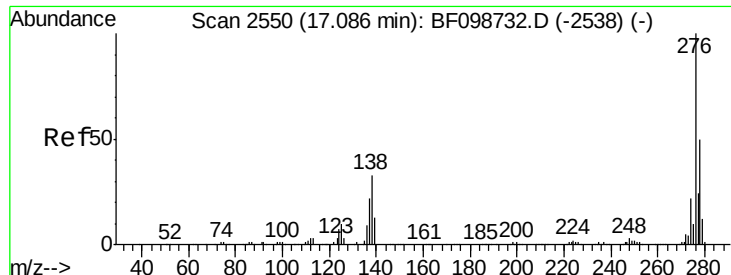
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#84
 Di-n-octyl phthalate
 Concen: 2.18 ng
 RT: 14.60 min Scan# 2128
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	53876		
167	1.6	1.2	1.8	
43	9.1	8.4	12.6	





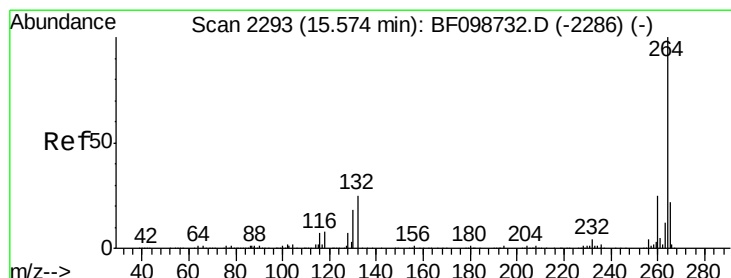
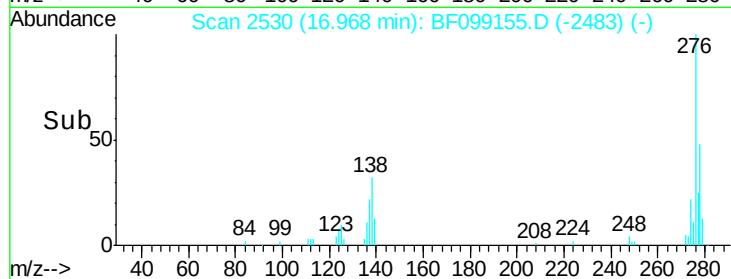
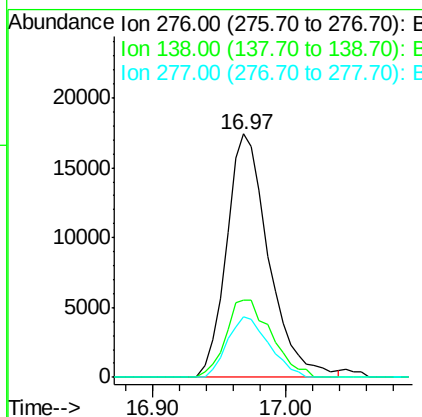
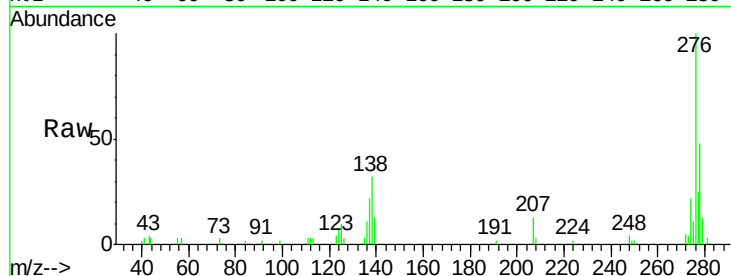
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.68 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. -0.02 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Instrument :
 BNA_F
 ClientSampleId :
 PAMT-COMP-CMS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.2	25.0	37.6
277	24.5	20.1	30.1

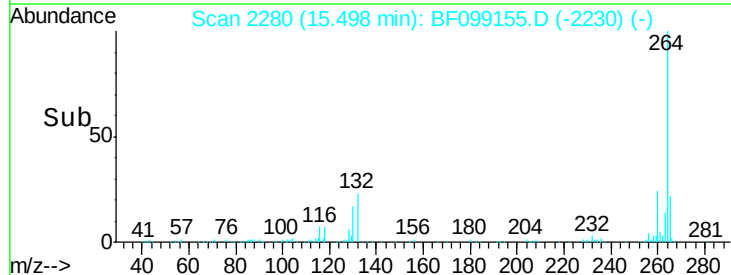
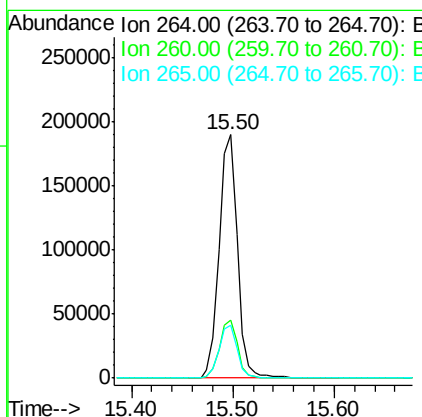
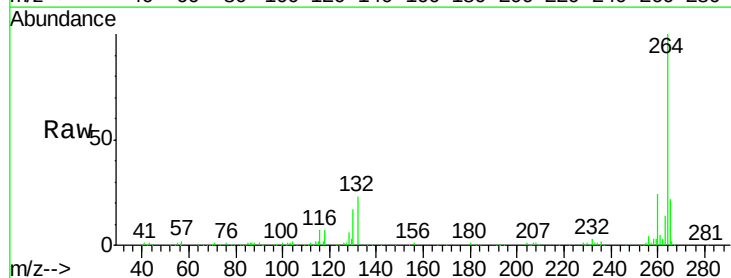
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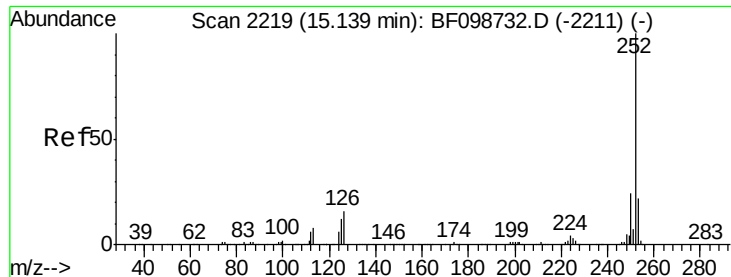
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 2.59 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BF099155.D

Acq: 6 Oct 2017 18:51

Instrument :

BNA_F

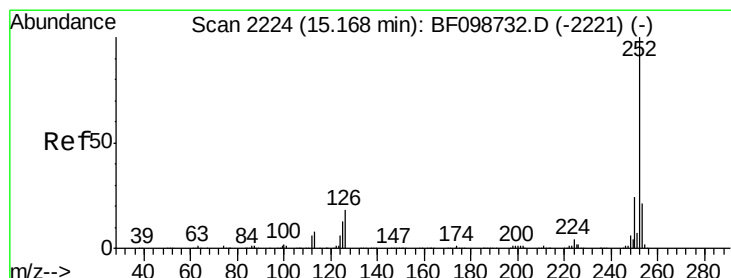
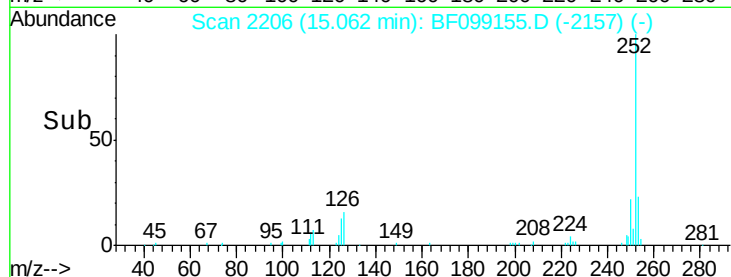
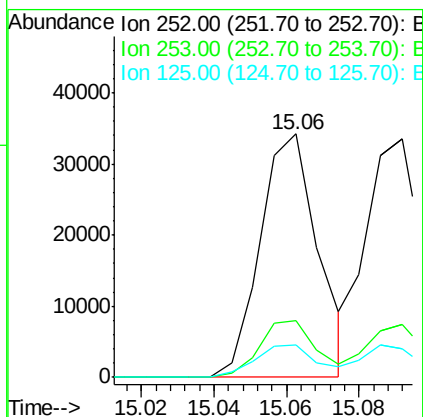
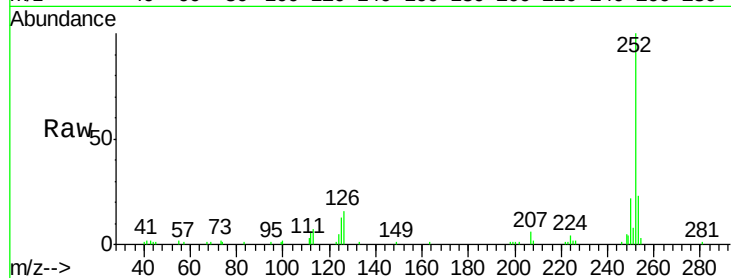
ClientSampleId :

PAMT-COMP-CMS

Tgt Ion:	252	Resp:	38006
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	13.4	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 2.64 ng

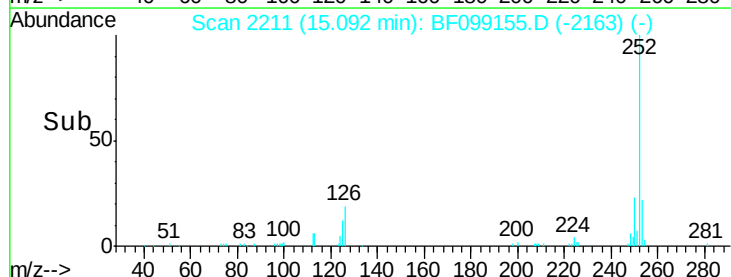
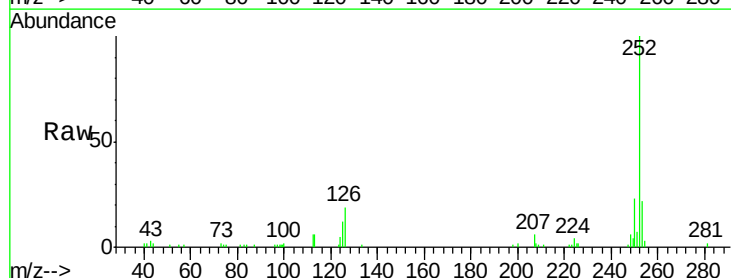
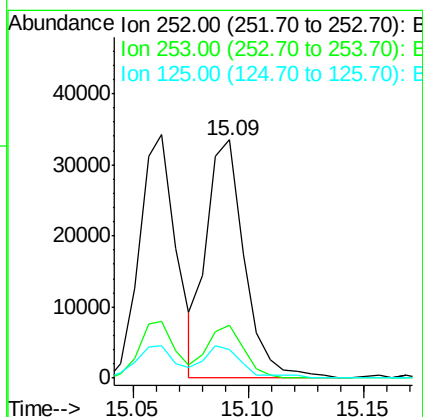
RT: 15.09 min Scan# 2211

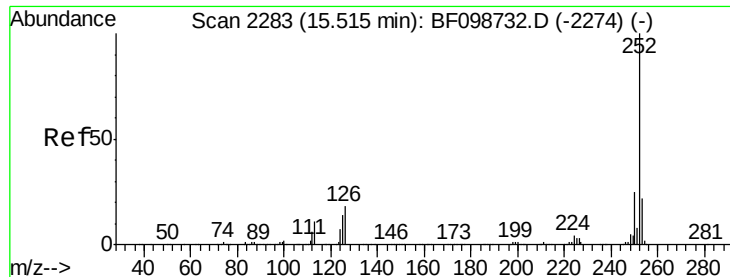
Delta R.T. -0.02 min

Lab File: BF099155.D

Acq: 6 Oct 2017 18:51

Tgt Ion:	252	Resp:	38267
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.9	26.9
125	11.9	10.2	15.2





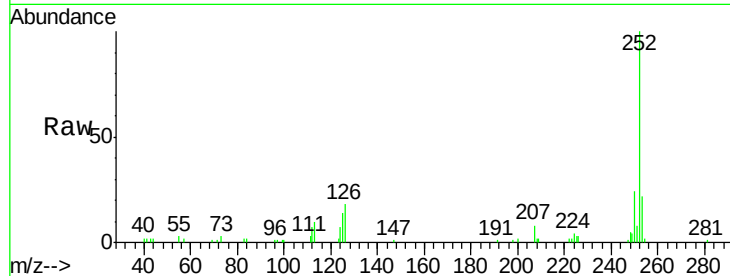
#89
Benzo(a)pyrene
Concen: 2.54 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Instrument :
BNA_F
ClientSampleId :
PAMT-COMP-CMS

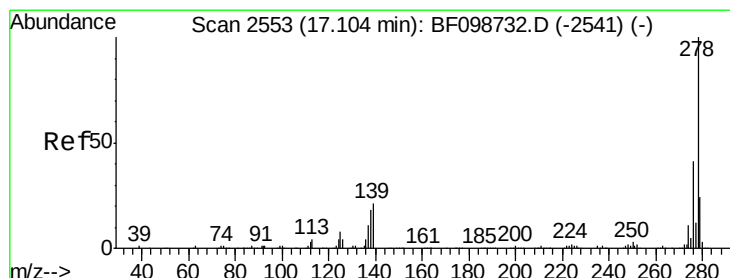
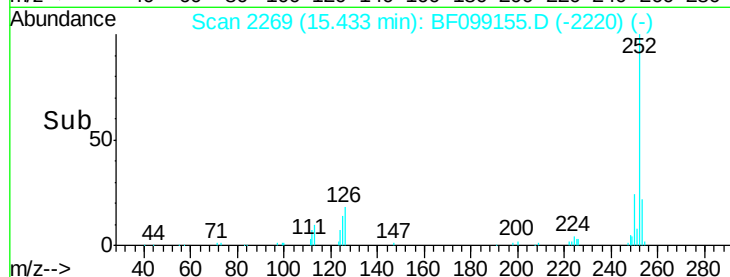
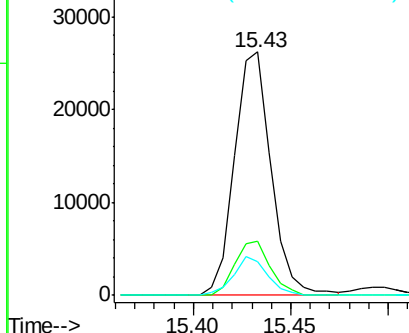
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	13.8	9.8	14.6

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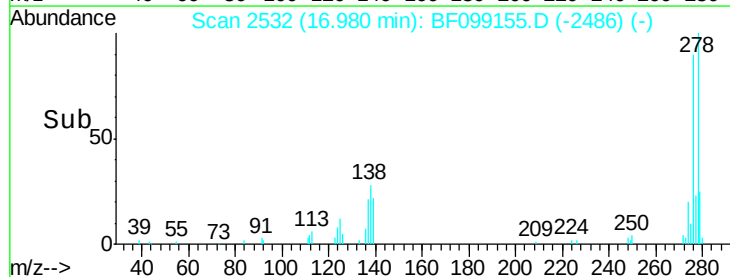
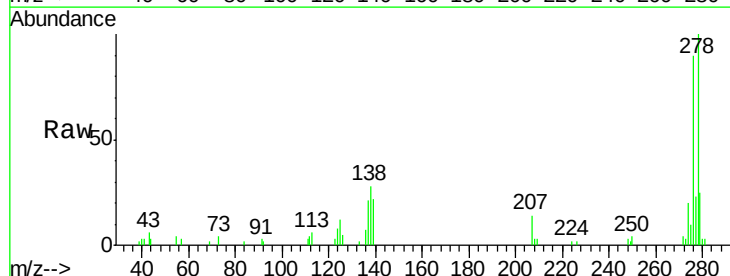
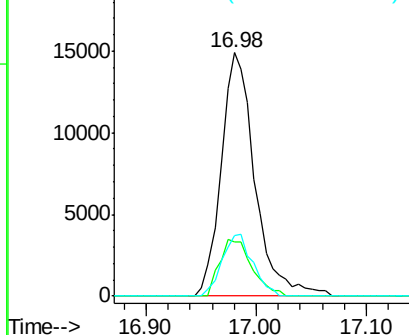
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

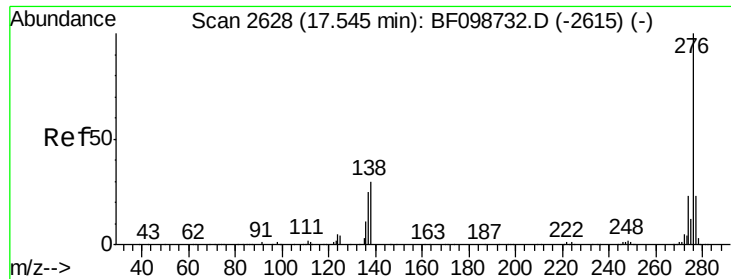


#90
Dibenzo(a,h)anthracene
Concen: 2.94 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.03 min
Lab File: BF099155.D
Acq: 6 Oct 2017 18:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.5	15.9	23.9
279	24.7	19.0	28.4

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





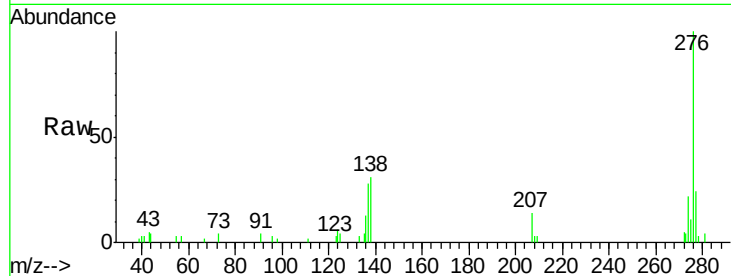
#91
 Benzo(g,h,i)perylene
 Concen: 3.09 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.03 min
 Lab File: BF099155.D
 Acq: 6 Oct 2017 18:51

Instrument :
 BNA_F
 ClientSampleId :
 PAMT-COMP-CMS

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	30.5	21.8	32.8

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

