

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103117\
 Data File : BF100021.D
 Acq On : 31 Oct 2017 23:08
 Operator : SJ/JU
 Sample : I6081-09MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q4-COMP-FILLMS

Manual Integrations
 APPROVED

Sohil
 11/1/2017 2:37:58 PM

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Quant Time: Nov 01 05:42:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 16:51:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	91720	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	378180	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	166895	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	287451	20.00	ng	0.00
75) Chrysene-d12	13.99	240	170072	20.00	ng	0.00
86) Perylene-d12	15.49	264	170634	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	502725	86.05	ng	0.01
7) Phenol-d6	6.44	99	592269	85.50	ng	0.00
23) Nitrobenzene-d5	7.36	82	333681	56.81	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	119900	78.83	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	657360	60.77	ng	0.00
78) Terphenyl-d14	12.90	244	514682	66.14	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.55	88	64663	25.064	ng	# 86
3) Pyridine	3.33	79	144293	23.258	ng	# 85
4) n-Nitrosodimethylamine	3.27	42	55774	25.164	ng	# 66
6) Aniline	6.46	93	175371	19.525	ng	# 72
8) 2-Chlorophenol	6.58	128	194496	31.237	ng	89
9) Benzaldehyde	6.35	77	89262	21.564	ng	96
10) Phenol	6.45	94	262576	34.524	ng	96
11) bis(2-Chloroethyl)ether	6.53	93	172960	29.449	ng	93
12) 1,3-Dichlorobenzene	6.73	146	200528m	28.683	ng	
13) 1,4-Dichlorobenzene	6.80	146	204982	28.889	ng	97
14) 1,2-Dichlorobenzene	6.96	146	190551	29.466	ng	97
15) Benzyl Alcohol	6.94	79	134356	30.498	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.06	45	215158	32.978	ng	# 46
17) 2-Methylphenol	7.06	107	152541	29.288	ng	# 93
18) Hexachloroethane	7.29	117	58702	24.798	ng	96
19) n-Nitroso-di-n-propylamine	7.20	70	117728	29.001	ng	90
20) 3+4-Methylphenols	7.21	107	204027	33.643	ng	# 70
22) Acetophenone	7.20	105	253210	29.406	ng	# 93
24) Nitrobenzene	7.38	77	174695	29.516	ng	89
25) Isophorone	7.61	82	335730	31.497	ng	99
26) 2-Nitrophenol	7.70	139	80854	23.851	ng	# 82
27) 2,4-Dimethylphenol	7.73	122	164771	32.988	ng	95
28) bis(2-Chloroethoxy)methane	7.82	93	223494	29.939	ng	99
29) 2,4-Dichlorophenol	7.95	162	164199	31.645	ng	96
30) 1,2,4-Trichlorobenzene	8.02	180	160734	28.992	ng	98
31) Naphthalene	8.09	128	541314	29.653	ng	99
32) Benzoic acid	7.85	122	12413	2.823	ng	96
33) 4-Chloroaniline	8.15	127	139019	18.442	ng	# 94
34) Hexachlorobutadiene	8.20	225	80681	28.293	ng	98
35) Caprolactam	8.52	113	48120	29.490	ng	# 77
36) 4-Chloro-3-methylphenol	8.65	107	158527	29.933	ng	91
37) 2-Methylnaphthalene	8.79	142	363625	29.724	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.95	216	149583	27.750	ng	# 97
40) Hexachlorocyclopentadiene	8.93	237	3021	13.339	ng	94

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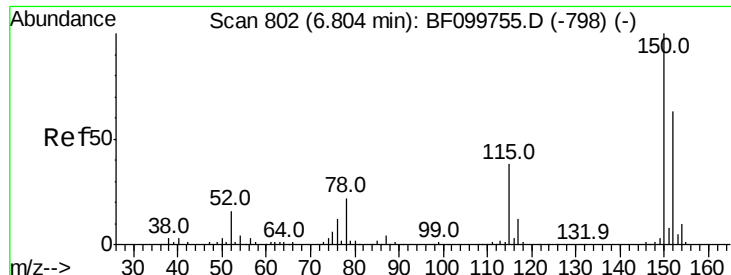
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.07	196	102218	31.350	nq	97
43) 2,4,5-Trichlorophenol	9.13	196	103303	29.857	nq	# 91
45) 1,1'-Biphenyl	9.25	154	425000	28.149	nq	99
46) 2-Chloronaphthalene	9.27	162	330548	30.146	nq	96
47) 2-Nitroaniline	9.39	65	89609	31.138	nq	# 81
48) Acenaphthylene	9.69	152	492404	29.157	nq	99
49) Dimethylphthalate	9.55	163	479355	36.269	nq	100
50) 2,6-Dinitrotoluene	9.63	165	81480	29.326	nq	# 77
51) Acenaphthene	9.86	154	298295	28.908	nq	98
52) 3-Nitroaniline	9.80	138	87787	26.815	nq	84
53) 2,4-Dinitrophenol	9.99	184	1960	7.419	nq	# 1
54) Dibenzofuran	10.03	168	445939	30.615	nq	99
55) 4-Nitrophenol	9.99	139	67651	39.549	nq	82
56) 2,4-Dinitrotoluene	10.04	165	102041	30.496	nq	96
57) Fluorene	10.38	166	356928	29.596	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.16	232	75385	31.075	nq	# 90
59) Diethylphthalate	10.25	149	373983	28.976	nq	98
60) 4-Chlorophenyl-phenylether	10.36	204	165812	29.214	nq	97
61) 4-Nitroaniline	10.42	138	93518	29.940	nq	84
62) Azobenzene	10.53	77	327066	30.230	nq	90
65) n-Nitrosodiphenylamine	10.49	169	312993	29.497	nq	99
66) 4-Bromophenyl-phenylether	10.86	248	94605	31.262	nq	90
67) Hexachlorobenzene	10.93	284	90860	29.348	nq	# 91
68) Atrazine	11.02	200	95645	30.007	nq	99
69) Pentachlorophenol	11.14	266	51716	39.093	nq	97
70) Phenanthrene	11.35	178	530367	32.694	nq	99
71) Anthracene	11.40	178	504409	30.632	nq	98
72) Carbazole	11.56	167	452873	29.246	nq	98
73) Di-n-butylphthalate	11.87	149	582854	29.511	nq	98
74) Fluoranthene	12.54	202	509941	30.248	nq	97
76) Benzidine	12.67	184	128287	17.239	nq	98
77) Pyrene	12.77	202	489822	37.876	nq	99
79) Butylbenzylphthalate	13.37	149	208580	32.753	nq	92
80) Benzo(a)anthracene	13.97	228	337194	31.275	nq	99
81) 3,3'-Dichlorobenzidine	13.93	252	96429	24.639	nq	99
82) Chrysene	14.01	228	315582	31.135	nq	98
83) Bis(2-ethylhexyl)phthalate	13.93	149	289981	32.426	nq	# 99
84) Di-n-octyl phthalate	14.57	149	438674	28.579	nq	# 92
85) Indeno(1,2,3-cd)pyrene	16.99	276	319404	34.326	nq	97
87) Benzo(b)fluoranthene	15.05	252	333565	30.958	nq	97
88) Benzo(k)fluoranthene	15.08	252	285599	28.110	nq	99
89) Benzo(a)pyrene	15.42	252	306864	31.705	nq	# 97
90) Dibenzo(a,h)anthracene	16.98	278	263355	30.622	nq	97
91) Benzo(g,h,i)perylene	17.43	276	260016	30.903	nq	95

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



#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

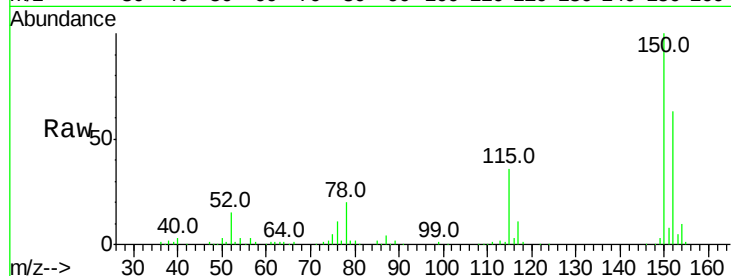
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	56.8	50.1	75.1

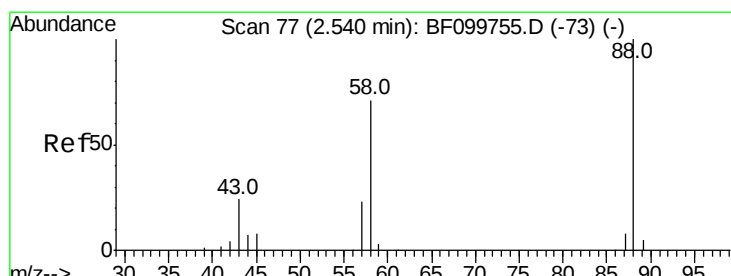
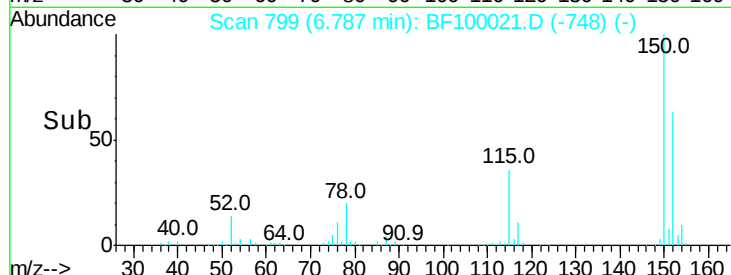
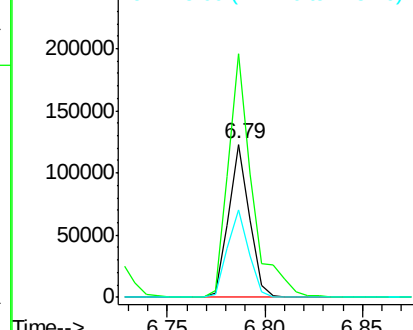
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E

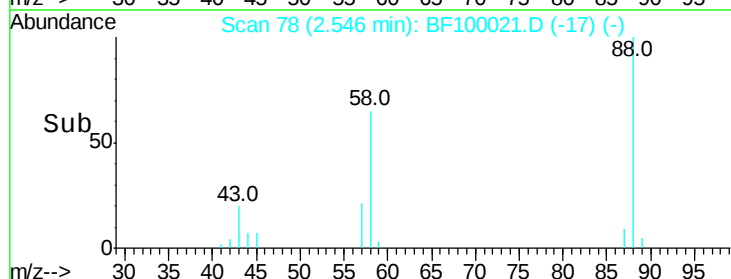
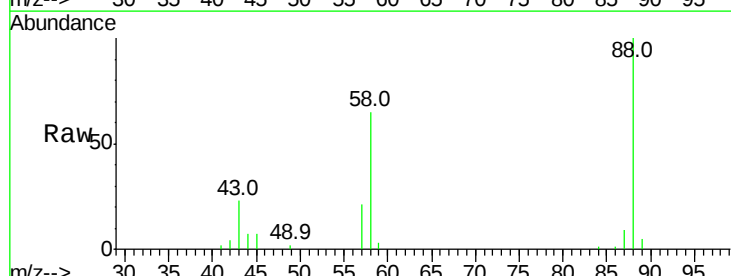
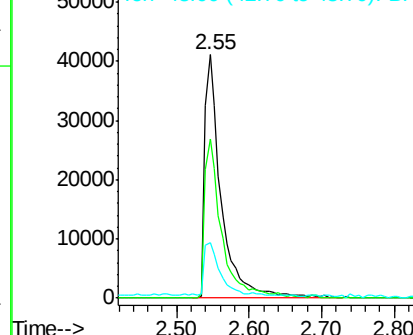


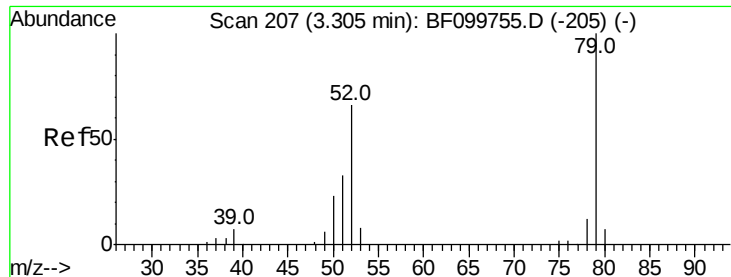
#2

1,4-Dioxane
Concen: 25.064 ng
RT: 2.55 min Scan# 78
Delta R.T. 0.06 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.7	62.6	93.8
43	21.2	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: 23.258 ng

RT: 3.33 min Scan# 211

Delta R.T. 0.07 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

Q4-COMP-FILLMS

Tot Ion: 79 Resp: 144293

Ion Ratio Lower Upper

79 100

52 61.9 59.8 89.6

51 28.1 29.8 44.8#

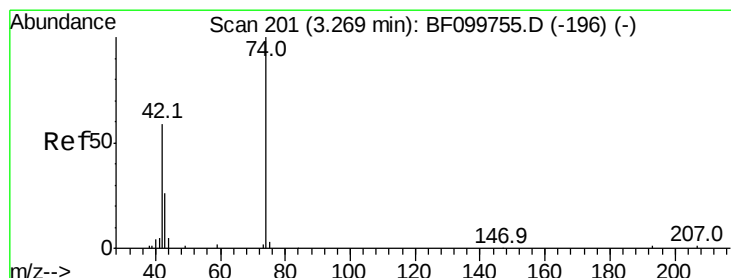
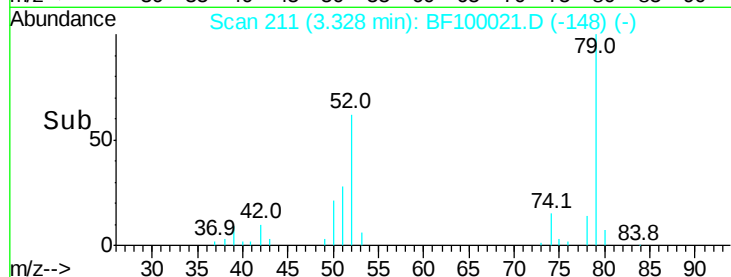
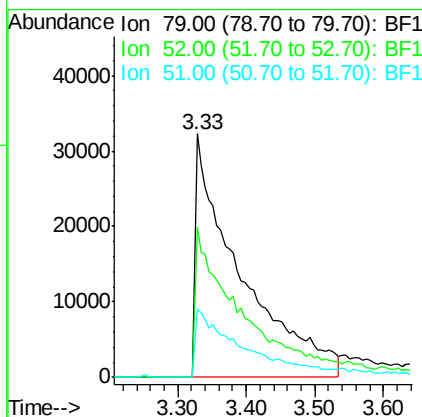
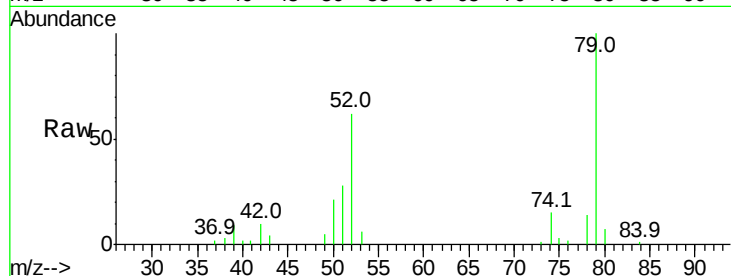
Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 25.164 ng

RT: 3.27 min Scan# 201

Delta R.T. 0.06 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

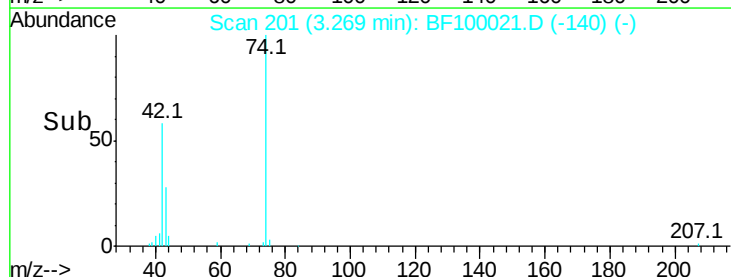
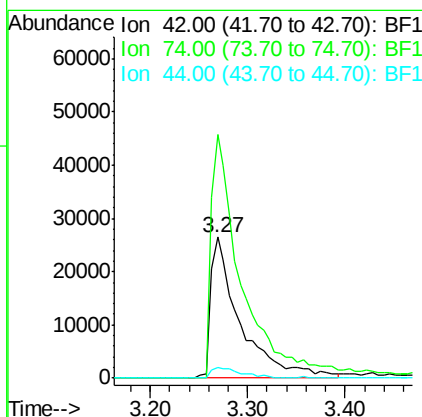
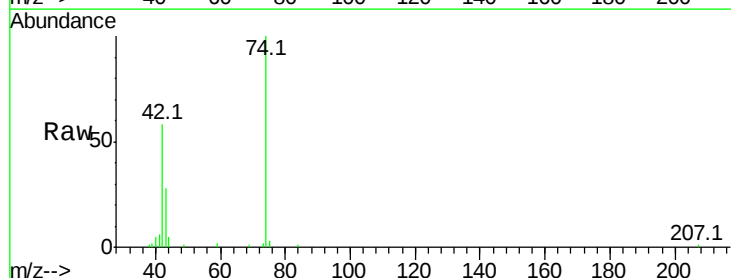
Tgt Ion: 42 Resp: 55774

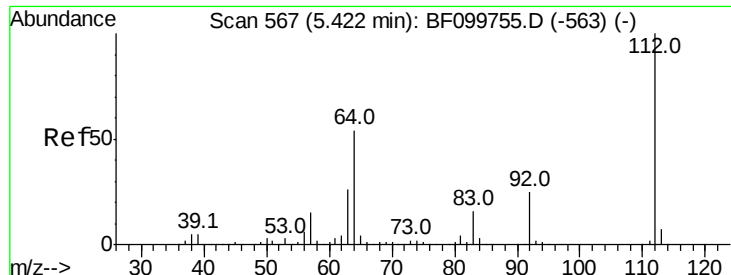
Ion Ratio Lower Upper

42 100

74 173.2 104.9 157.3#

44 7.8 6.9 10.3





#5

2-Fluorophenol

Concen: 86.051 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.01 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

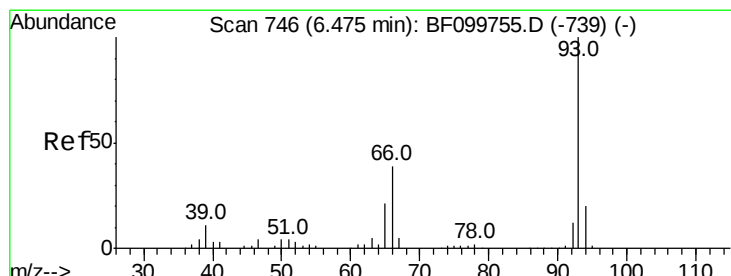
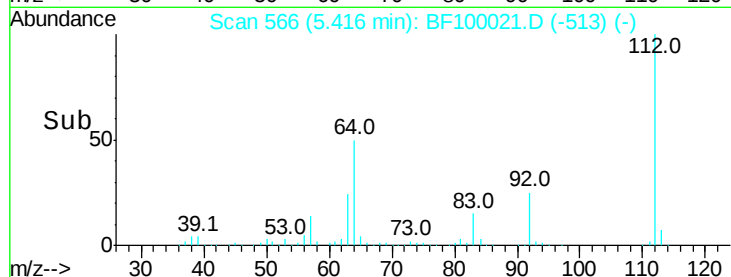
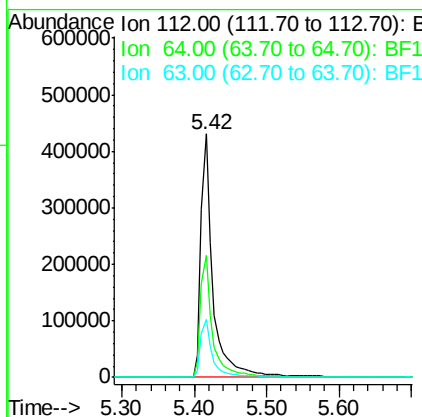
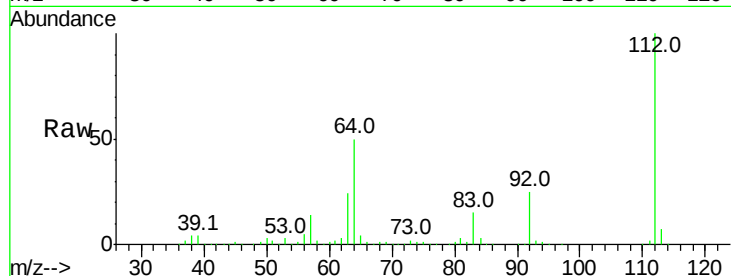
Q4-COMP-FILLMS

Tot Ion:	112	Resp:	502725
Ion Ratio	Lower	Upper	
112	100		
64	50.0	47.9	71.9
63	23.7	23.7	35.5

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#6

Aniline

Concen: 19.525 ng

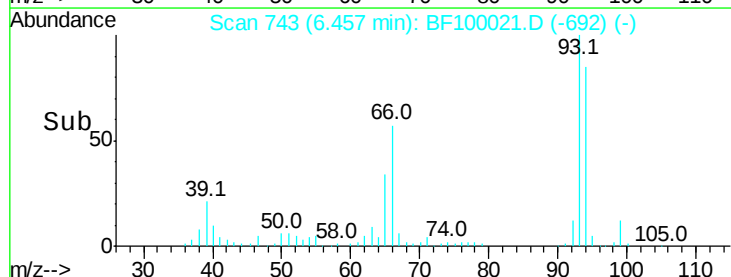
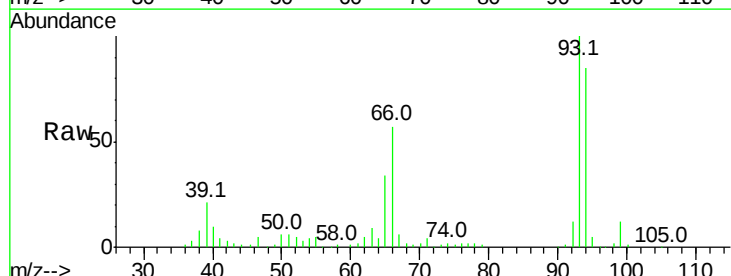
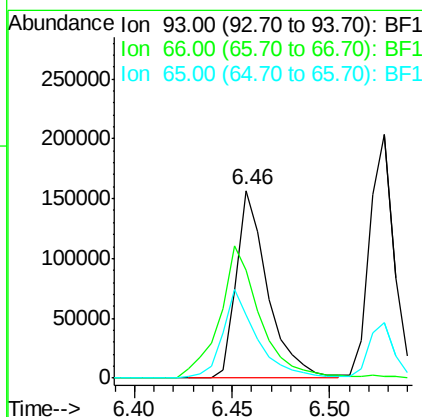
RT: 6.46 min Scan# 743

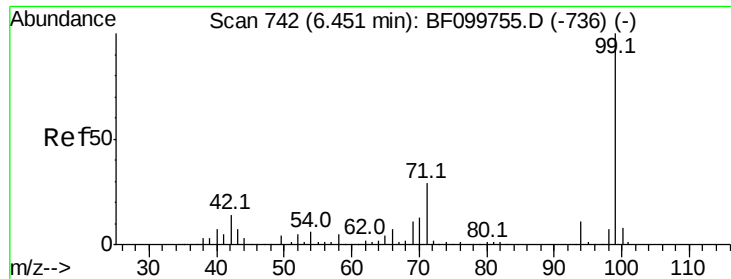
Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Tgt Ion:	93	Resp:	175371
Ion Ratio	Lower	Upper	
93	100		
66	57.2	32.2	48.2#
65	33.8	16.4	24.6#





#7

Phenol-d6

Concen: 85.499 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

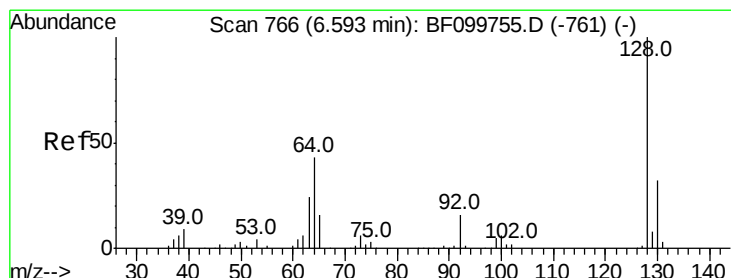
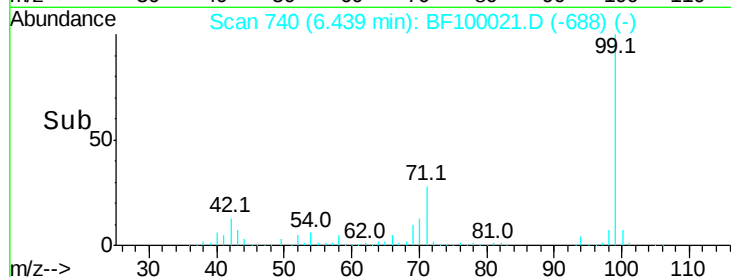
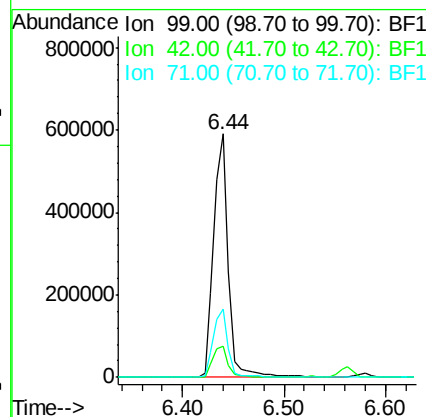
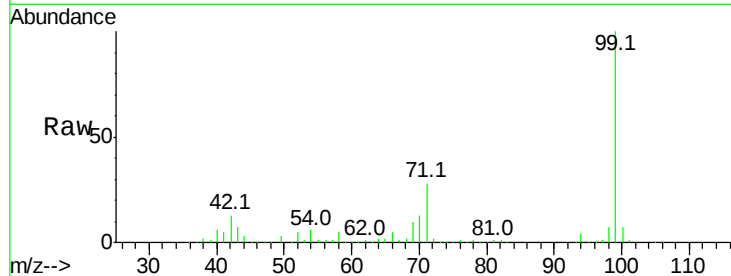
Q4-COMP-FILLMS

Tot Ion:	99	Resp:	592269
Ion Ratio	Lower	Upper	
99	100		
42	12.9	14.5	21.7#
71	27.8	25.4	38.0

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#8

2-Chlorophenol

Concen: 31.237 ng

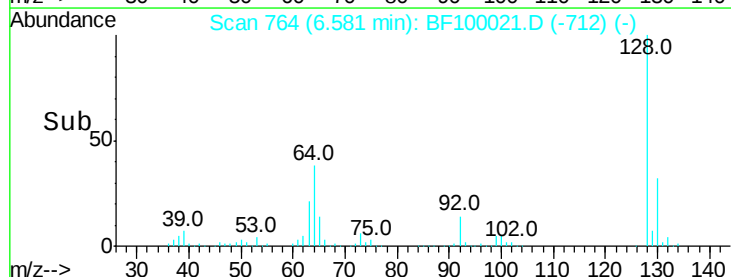
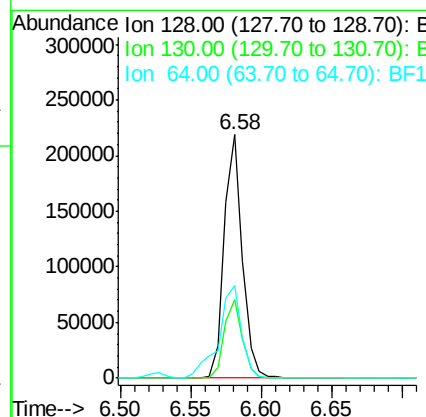
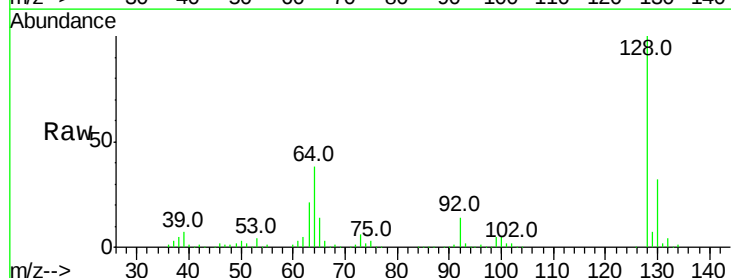
RT: 6.58 min Scan# 764

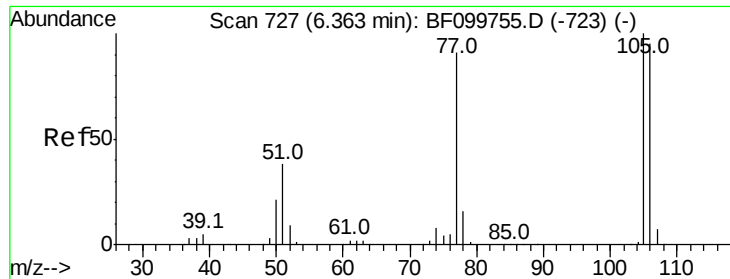
Delta R.T. 0.01 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Tgt Ion:	128	Resp:	194496
Ion Ratio	Lower	Upper	
128	100		
130	32.2	13.0	53.0
64	38.0	29.4	69.4





#9

Benzaldehyde

Concen: 21.564 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

Q4-COMP-FILLMS

Tot Ion: 77 Resp: 89262

Ion Ratio Lower Upper

77 100

105 103.0 81.1 121.1

106 100.4 74.5 114.5

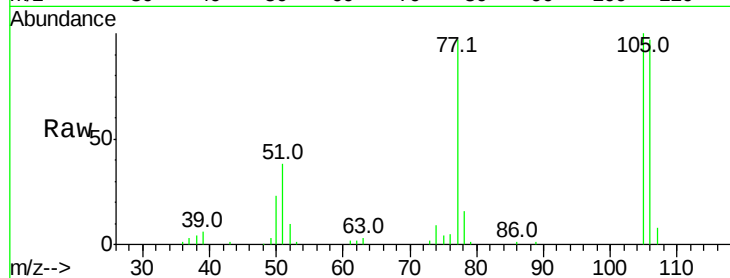
Manual Integrations

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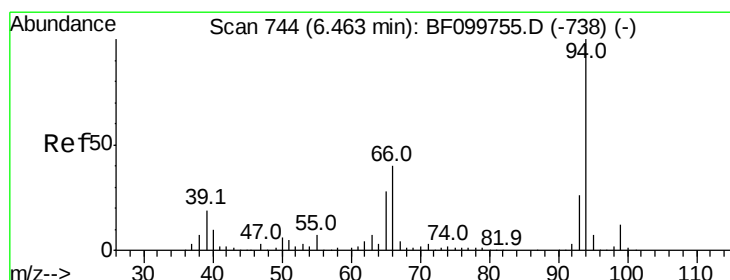
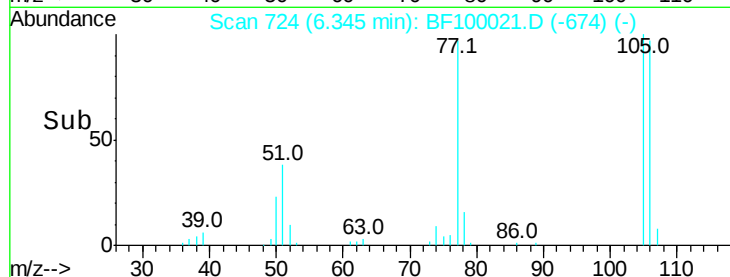
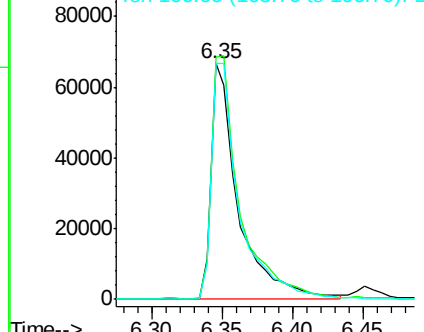
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Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 34.524 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

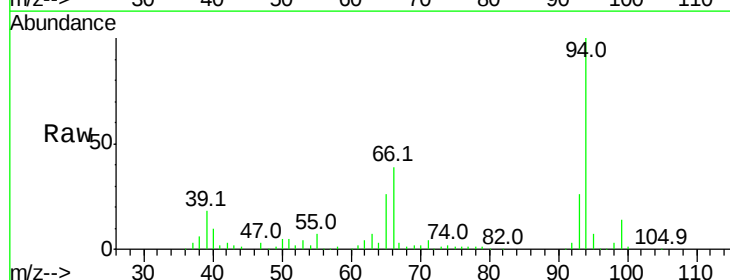
Tgt Ion: 94 Resp: 262576

Ion Ratio Lower Upper

94 100

65 26.2 7.9 47.9

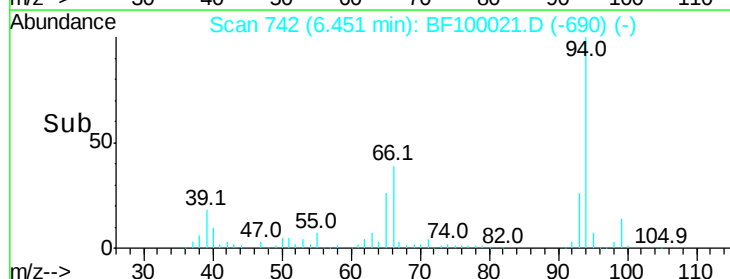
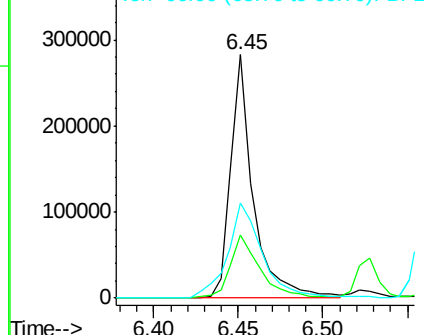
66 39.3 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether
Concen: 29.449 ng
RT: 6.53 min Scan# 755
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

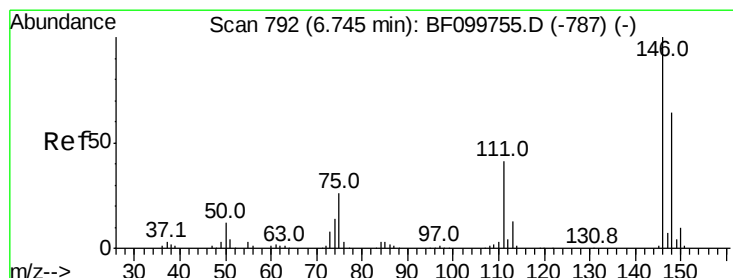
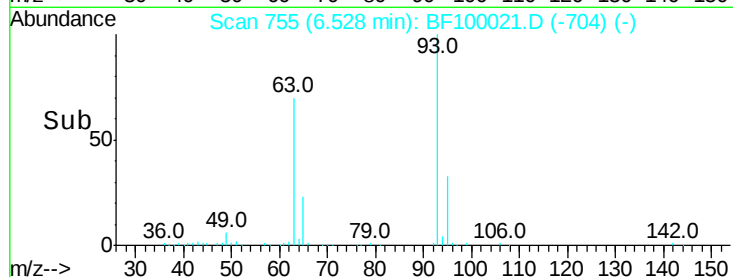
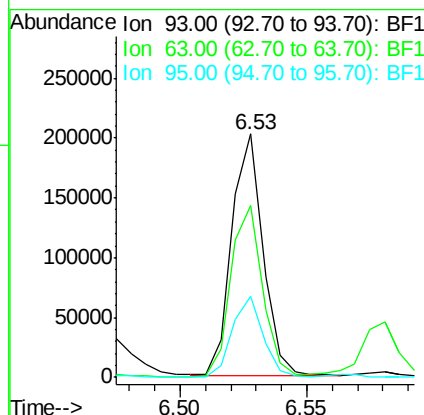
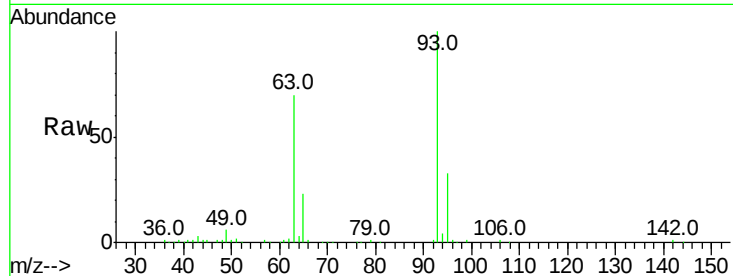
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion:	93	Resp:	172960
Ion Ratio	Lower	Upper	
93	100		
63	70.4	58.6	98.6
95	33.3	11.8	51.8

Manual Integrations
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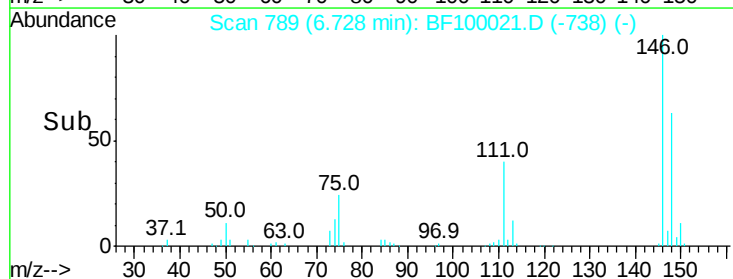
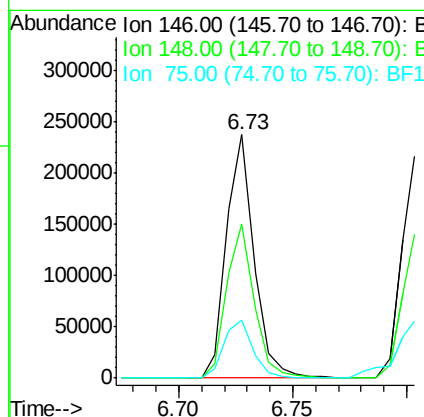
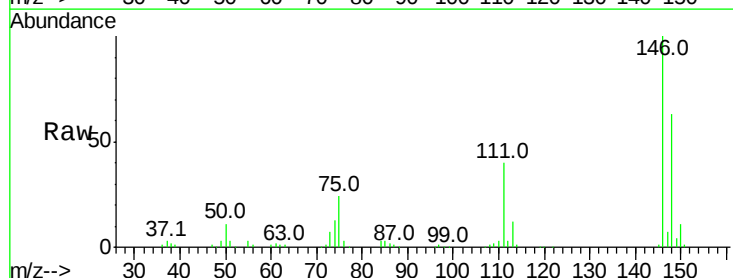
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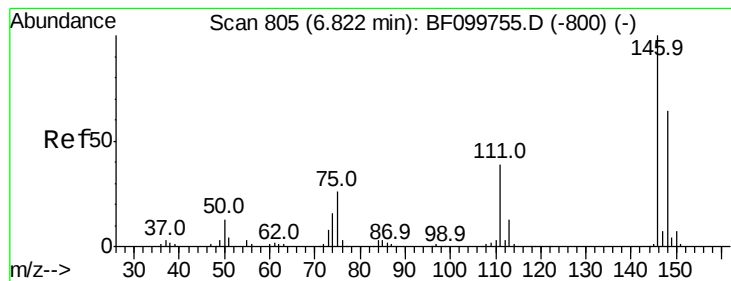


#12

1,3-Dichlorobenzene
Concen: 28.683 ng m
RT: 6.73 min Scan# 789
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion:	146	Resp:	200528
Ion Ratio	Lower	Upper	
146	100		
148	63.4	51.8	77.8
75	23.6	24.2	36.4#





#13

1,4-Dichlorobenzene

Concen: 28.889 ng

RT: 6.80 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

Q4-COMP-FILLMS

Tot Ion:146 Resp: 204982

Ion Ratio Lower Upper

146 100

148 65.2 50.8 76.2

111 40.0 34.2 51.2

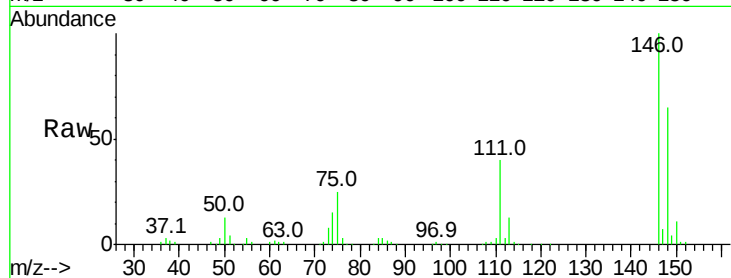
Manual Integrations

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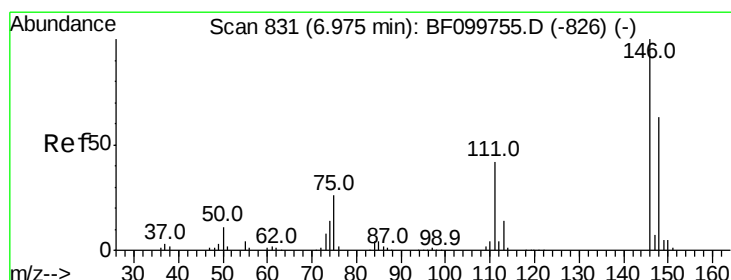
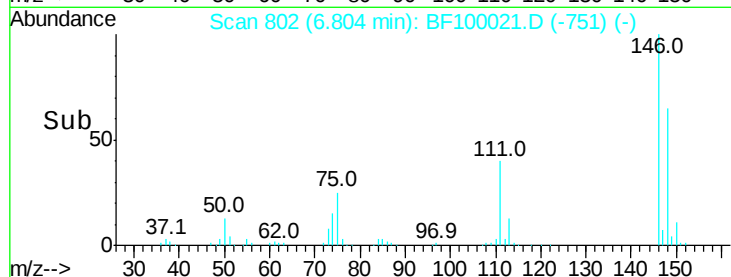
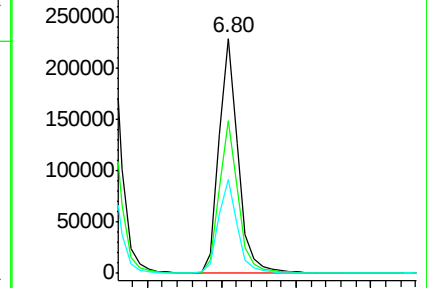
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Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 29.466 ng

RT: 6.96 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

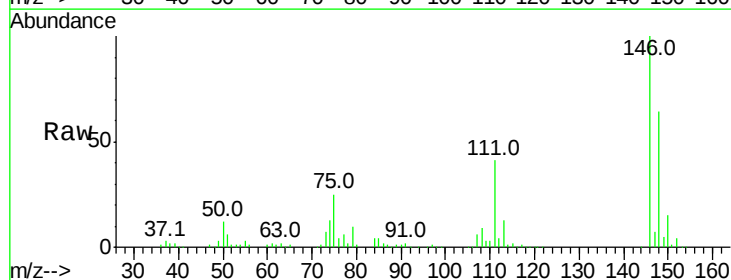
Tgt Ion:146 Resp: 190551

Ion Ratio Lower Upper

146 100

148 64.1 50.6 75.8

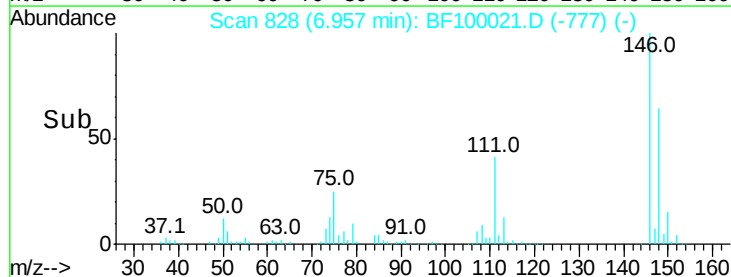
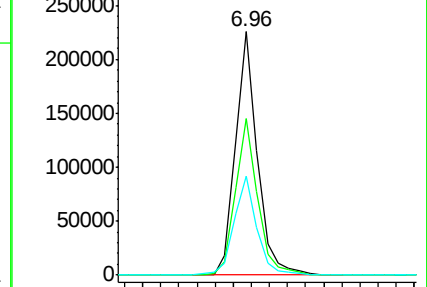
111 40.6 36.0 54.0

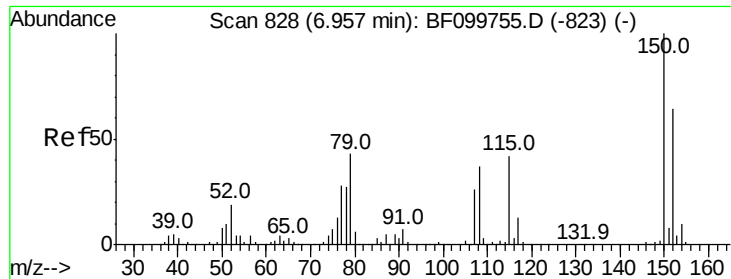


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15
Benzyl Alcohol
Concen: 30.498 ng
RT: 6.94 min Scan# 825
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

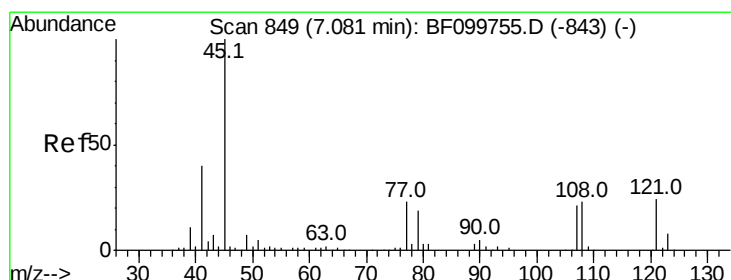
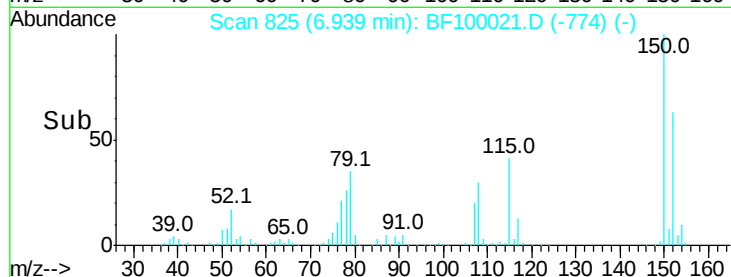
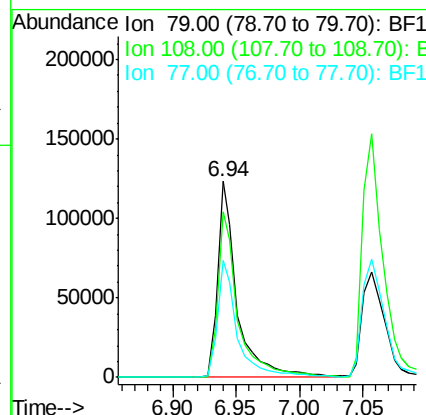
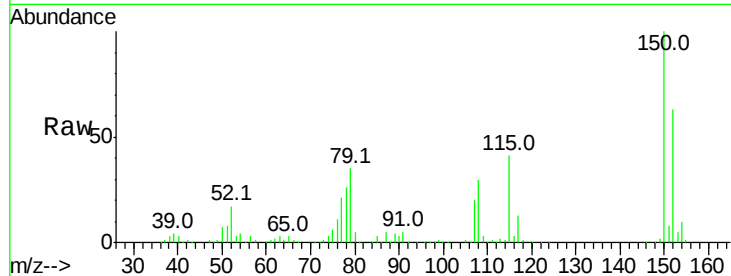
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
79	100		
108	84.8	65.1	97.7
77	59.5	50.6	75.8

Manual Integrations
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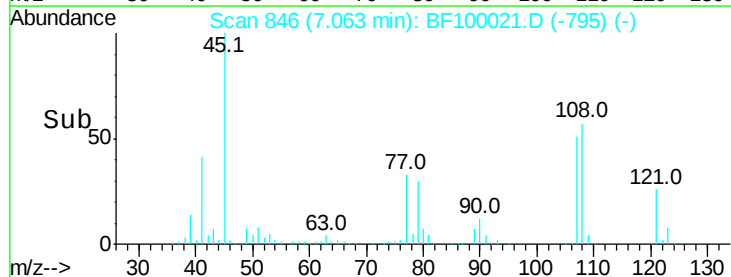
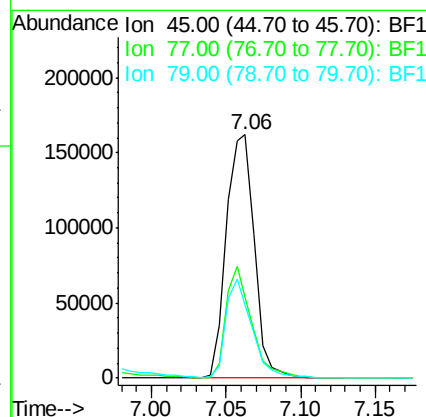
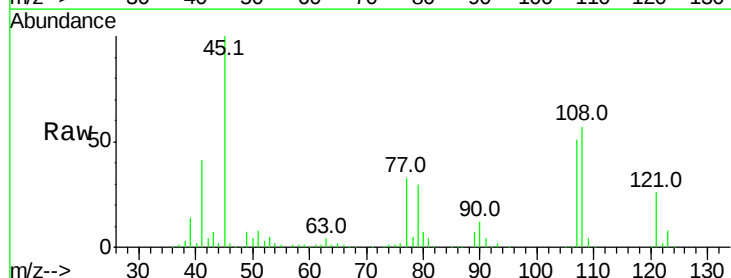
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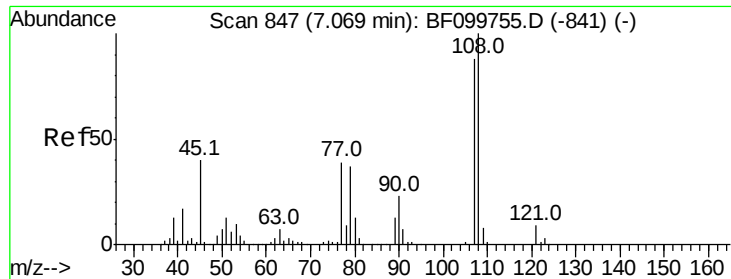
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 32.978 ng
RT: 7.06 min Scan# 846
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
45	100		
77	33.5	0.0	32.9#
79	30.1	0.0	29.6#





#17
2-Methylphenol
Concen: 29.288 ng
RT: 7.06 min Scan# 845
Delta R.T. 0.01 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

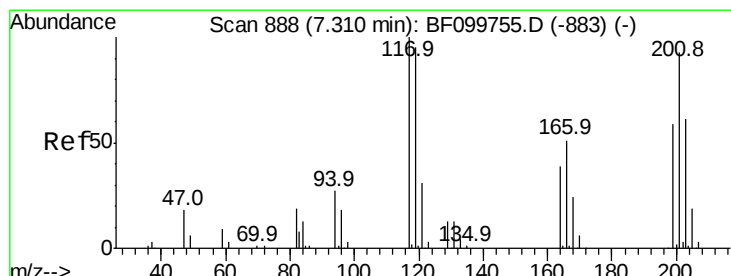
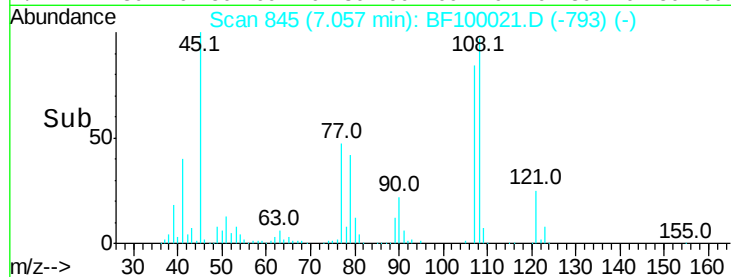
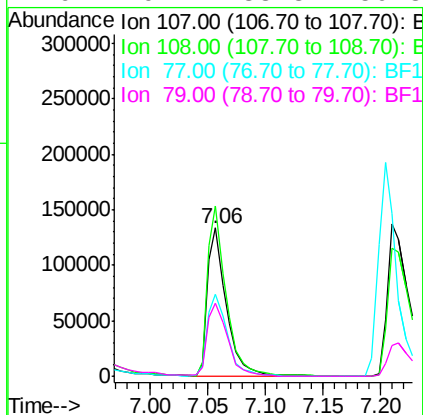
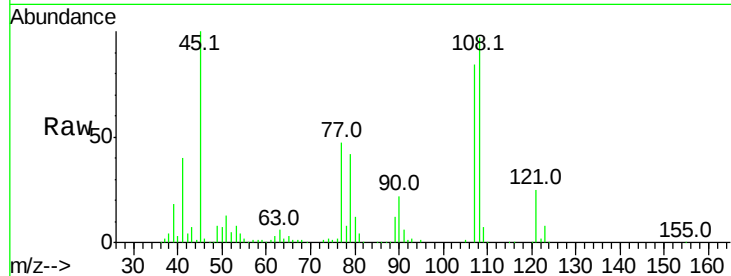
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion:	107	Resp:	152541
Ion Ratio	Lower	Upper	
107	100		
108	114.8	91.7	137.5
77	55.5	33.8	50.8#
79	49.4	33.8	50.8

Manual Integrations
APPROVED

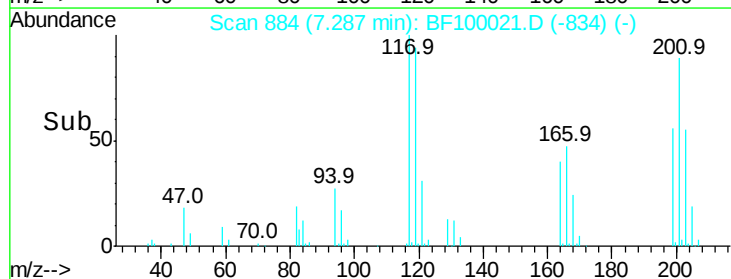
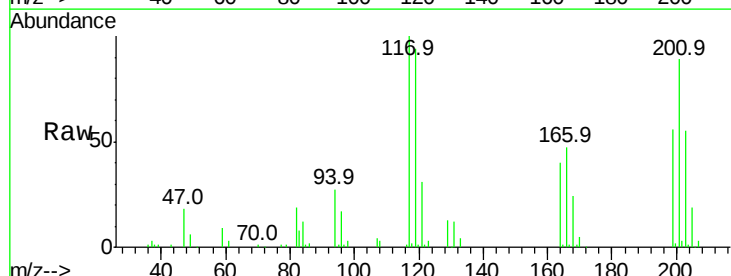
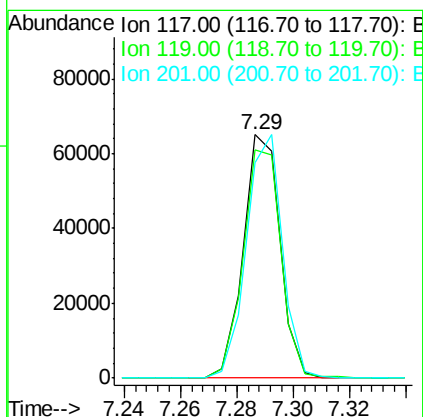
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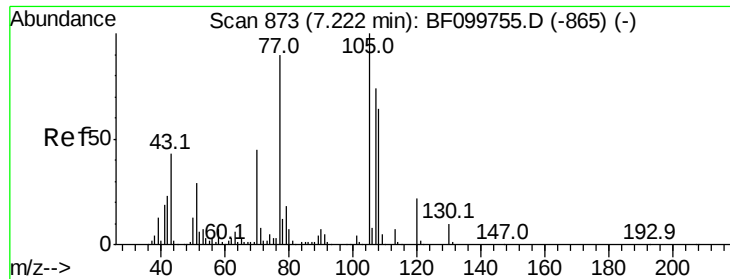
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#18
Hexachloroethane
Concen: 24.798 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion:	117	Resp:	58702
Ion Ratio	Lower	Upper	
117	100		
119	93.6	75.8	113.8
201	88.9	75.7	113.5





#19
n-Nitroso-di-n-propylamine
Concen: 29.001 ng
RT: 7.20 min Scan# 870
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

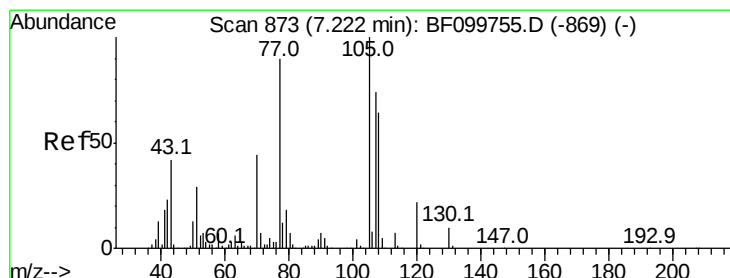
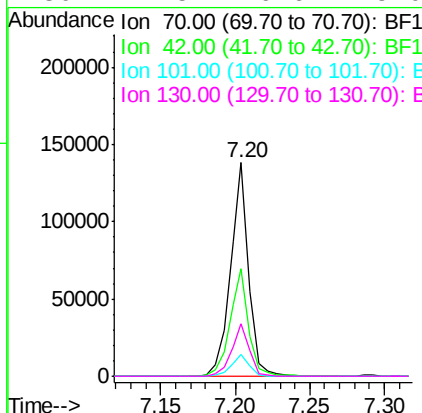
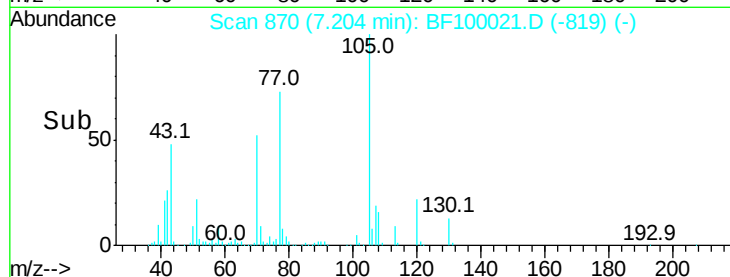
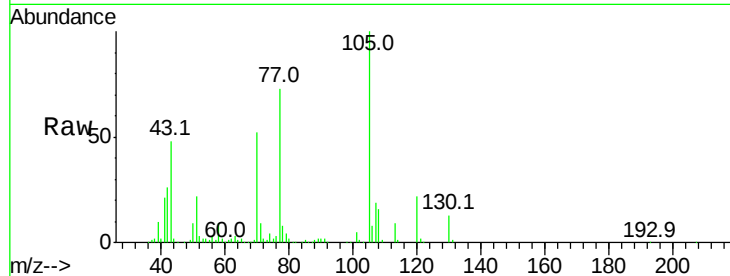
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	70	Resp	117728
Ion Ratio	Lower	Upper	
70	100		
42	50.4	47.5	71.3
101	10.4	7.4	11.2
130	24.5	16.6	25.0

Manual Integrations
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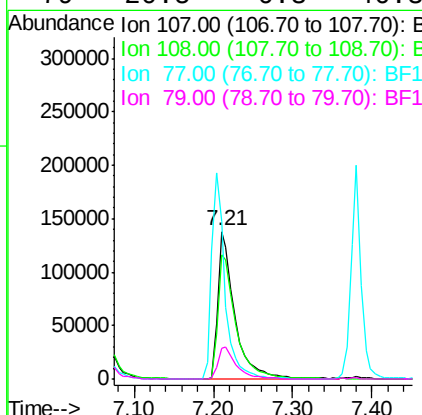
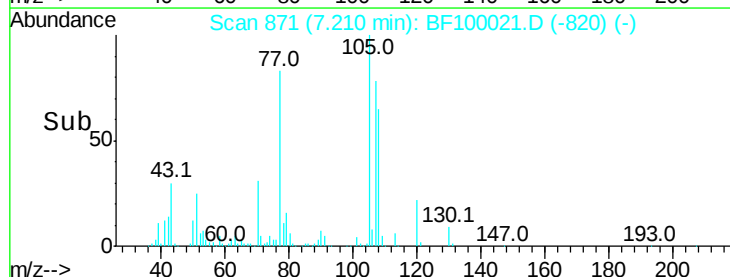
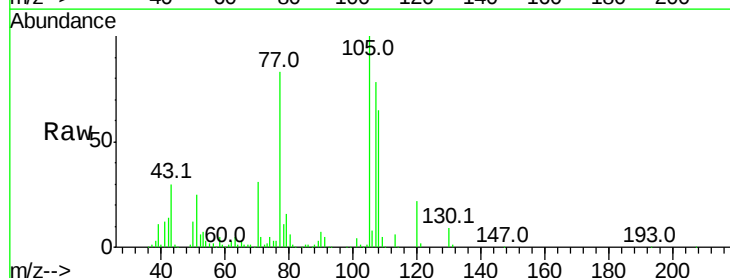
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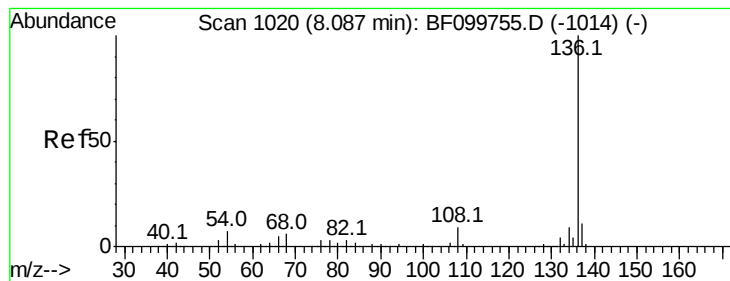
11/1/2017 2:37:58 PM



#20
3+4-Methylphenols
Concen: 33.643 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	107	Resp	204027
Ion Ratio	Lower	Upper	
107	100		
108	83.9	68.2	108.2
77	106.5	26.7	66.7#
79	20.5	6.3	46.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

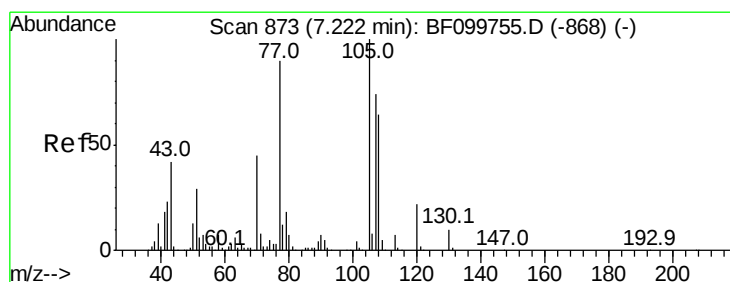
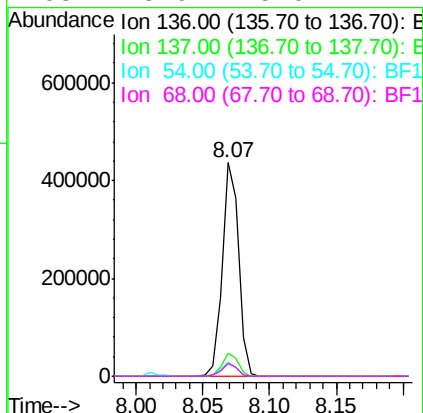
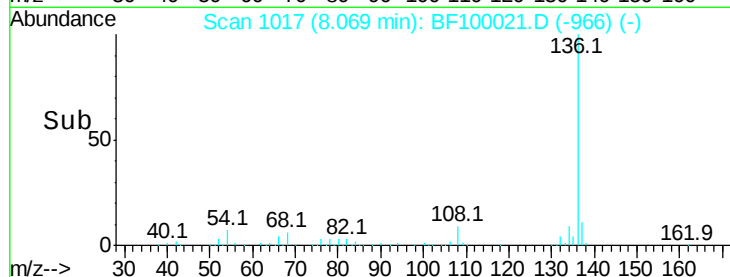
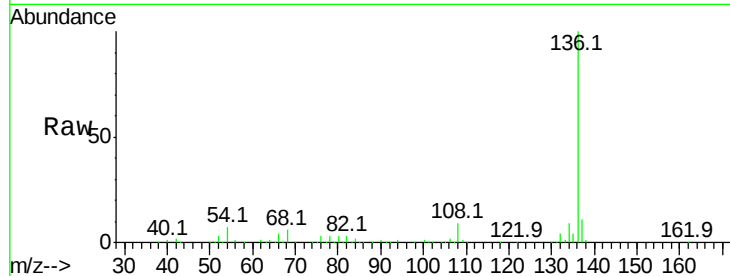
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.9	13.3	
54	6.7	6.6	9.8	
68	5.9	5.0	7.4	

Manual Integrations
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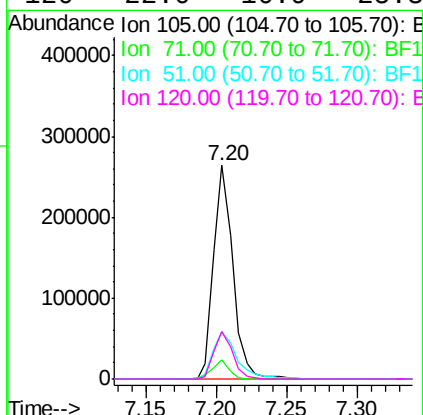
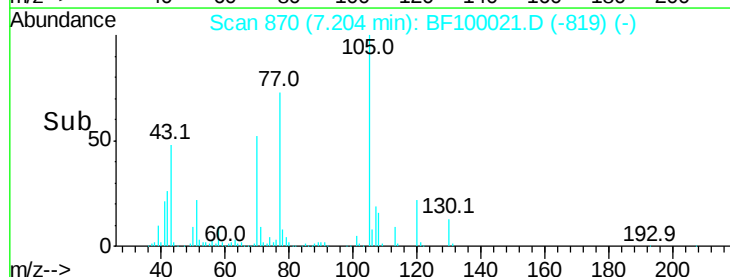
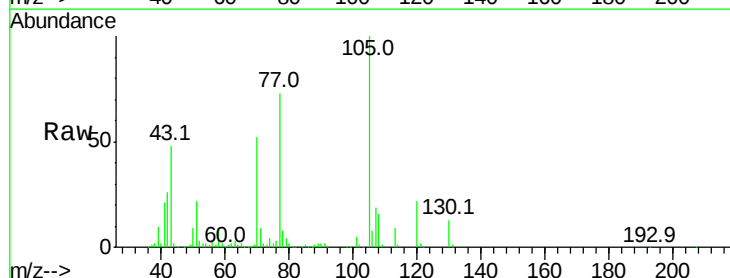
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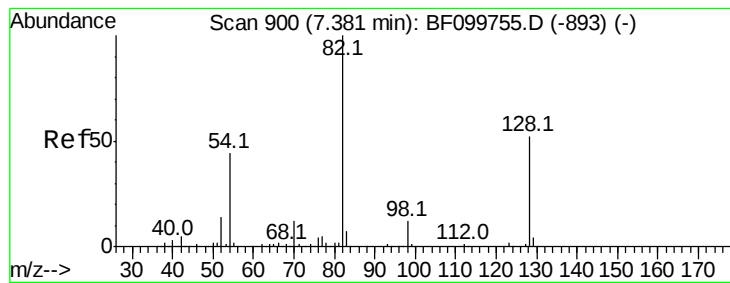
11/1/2017 2:37:58 PM



#22
Acetophenone
Concen: 29.406 ng
RT: 7.20 min Scan# 870
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	9.0	4.4	6.6#	
51	22.4	22.3	33.5	
120	22.0	16.9	25.3	





#23

Nitrobenzene-d5

Concen: 56.805 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

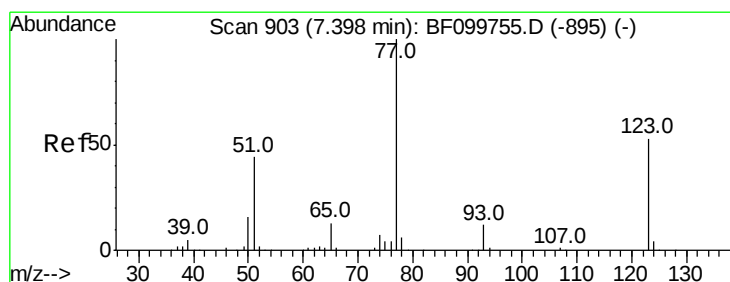
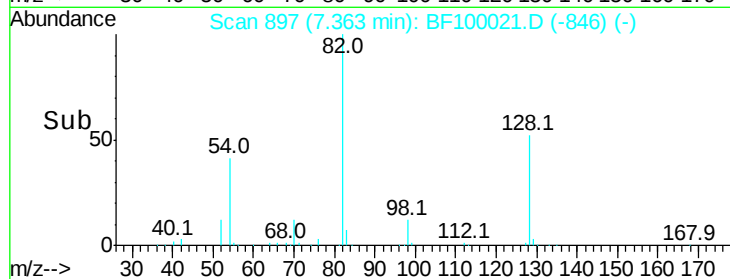
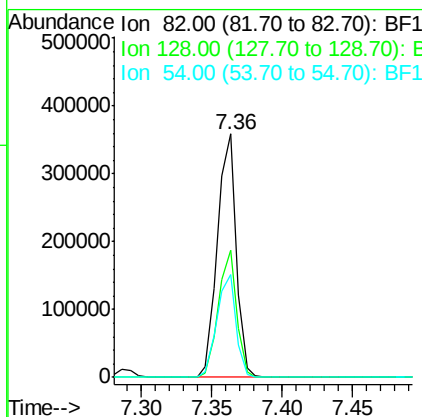
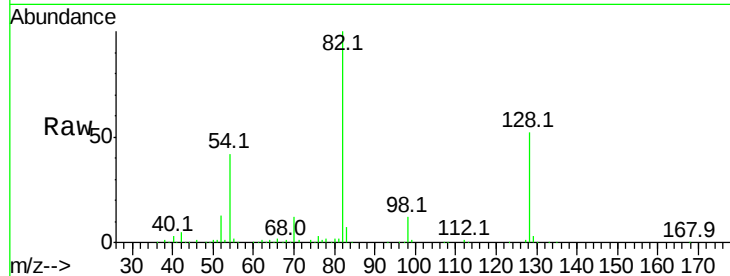
Q4-COMP-FILLMS

Tot Ion:	82	Resp:	333681
Ion Ratio	Lower	Upper	
82	100		
128	52.4	36.1	54.1
54	42.1	41.4	62.2

Manual Integrations
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#24

Nitrobenzene

Concen: 29.516 ng

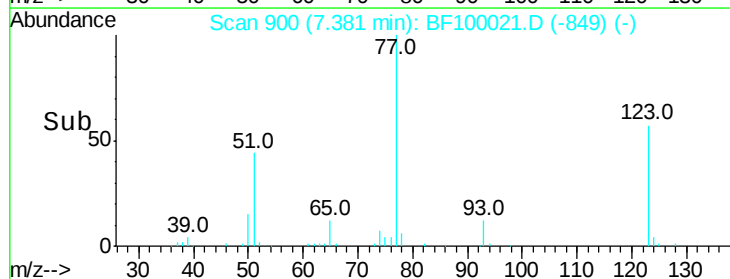
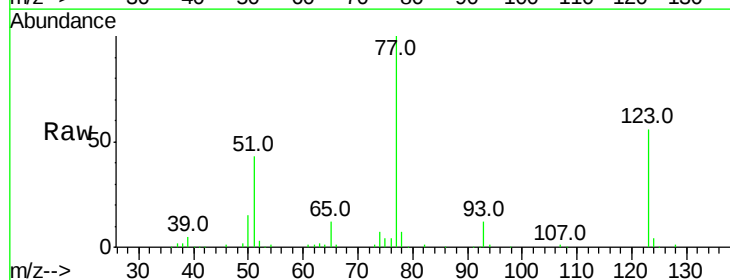
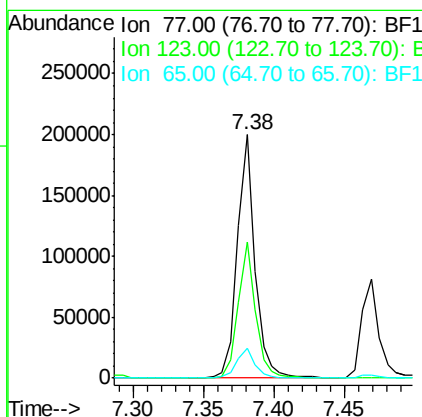
RT: 7.38 min Scan# 900

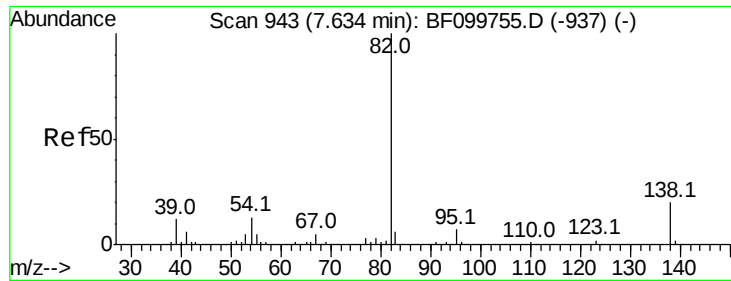
Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Tgt Ion:	77	Resp:	174695
Ion Ratio	Lower	Upper	
77	100		
123	55.7	37.9	56.9
65	12.0	11.0	16.4





#25

Isophorone

Concen: 31.497 ng

RT: 7.61 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

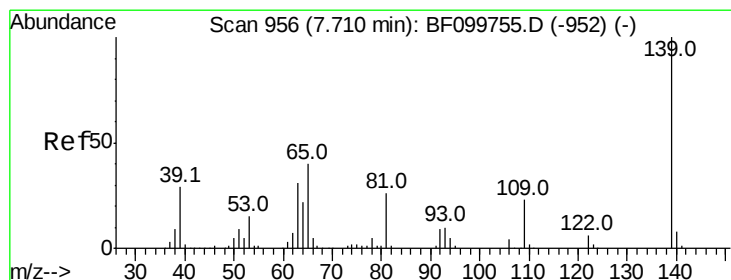
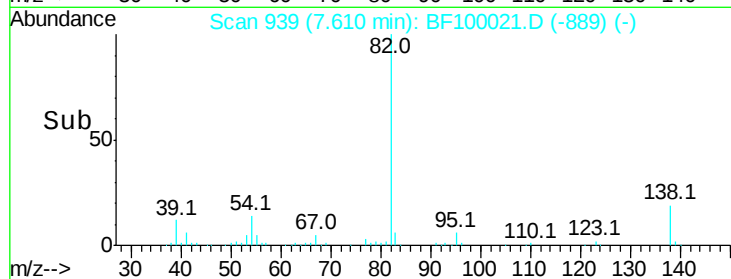
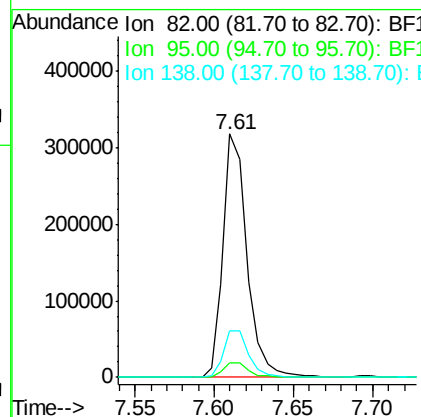
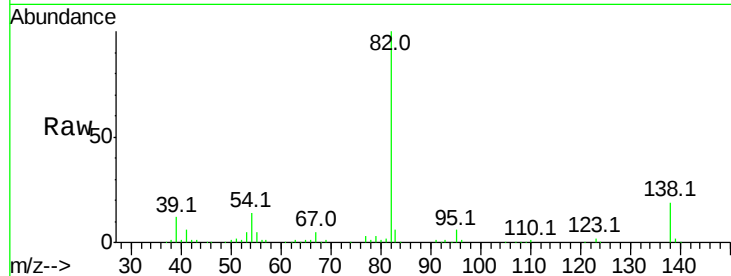
Q4-COMP-FILLMS

Tot Ion:	82	Resp:	335730
Ion Ratio	Lower	Upper	
82	100		
95	6.2	5.2	7.8
138	19.3	14.9	22.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 23.851 ng

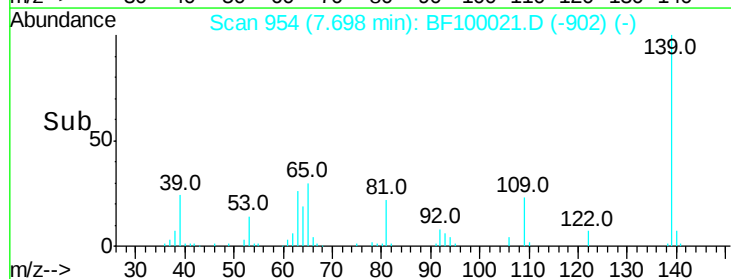
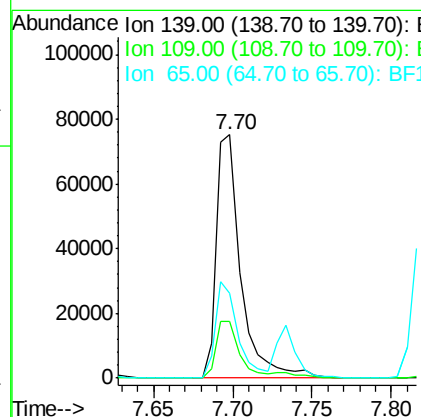
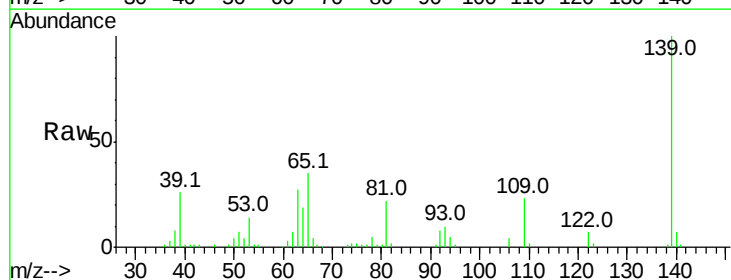
RT: 7.70 min Scan# 954

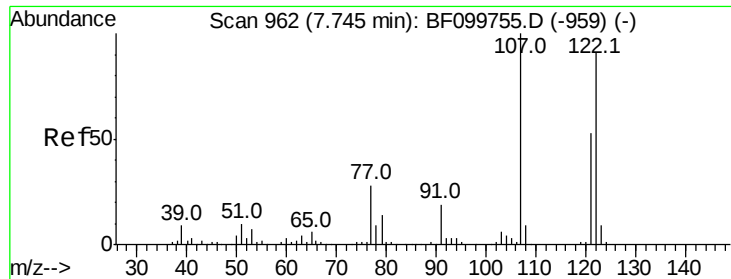
Delta R.T. 0.01 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Tgt Ion:	139	Resp:	80854
Ion Ratio	Lower	Upper	
139	100		
109	23.2	22.7	34.1
65	34.8	40.5	60.7#





#27
2,4-Dimethylphenol
Concen: 32.988 ng
RT: 7.73 min Scan# 960
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

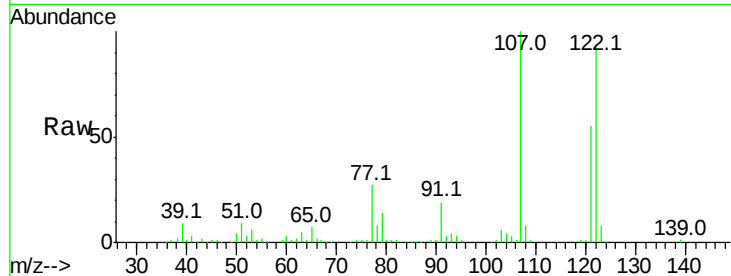
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		164771		
107	106.1	91.2	136.8		
121	58.5	47.2	70.8		

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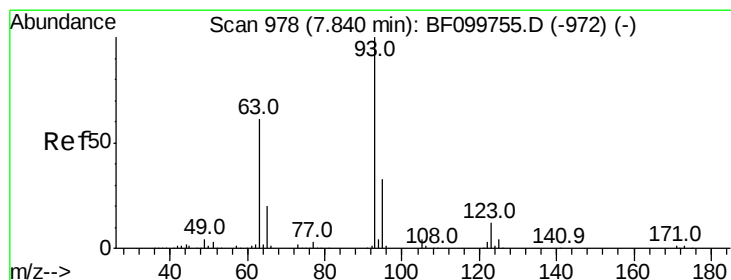
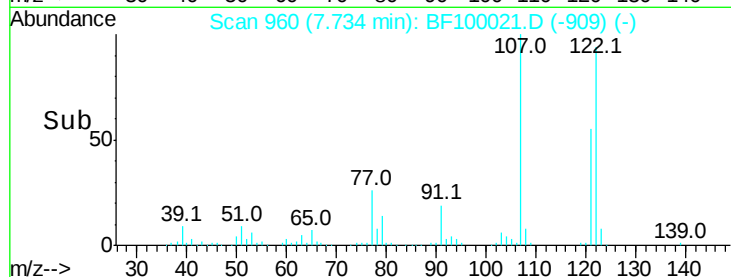
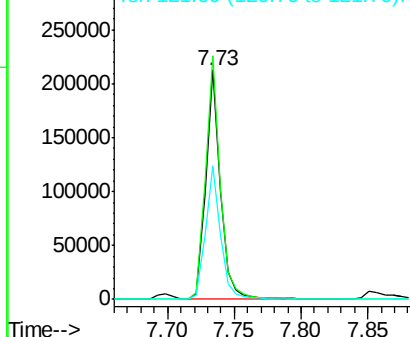


Abundance

Ion 122.00 (121.70 to 122.70): E

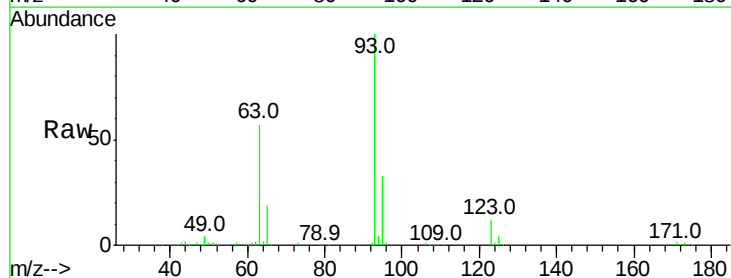
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 29.939 ng
RT: 7.82 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		223494		
95	32.5	26.3	39.5		
123	11.8	9.8	14.6		

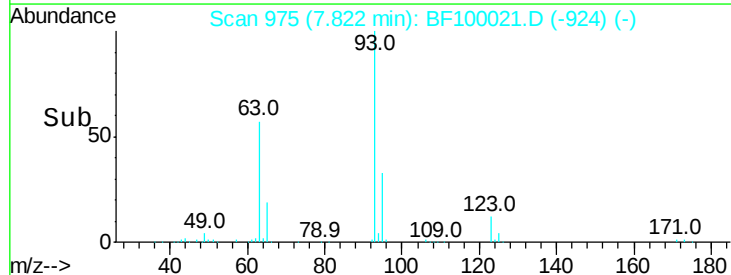
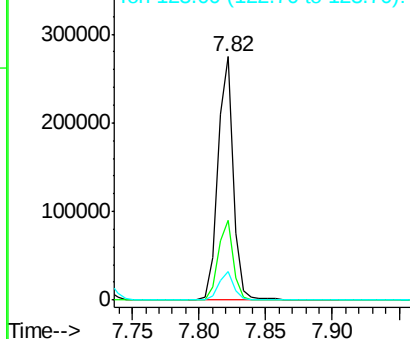


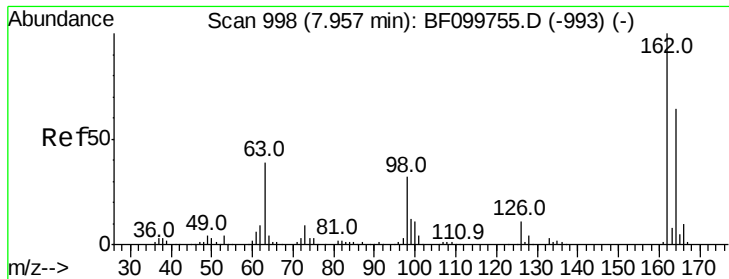
Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29
 2,4-Dichlorophenol
 Concen: 31.645 ng
 RT: 7.95 min Scan# 996
 Delta R.T. 0.01 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

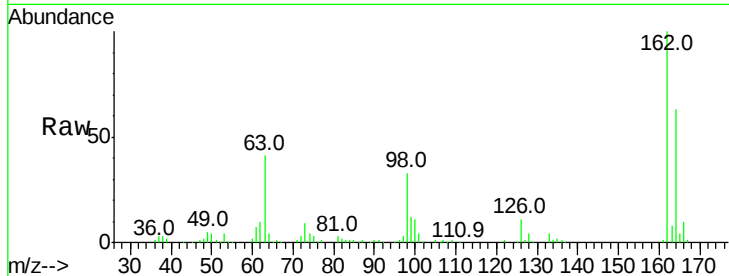
Instrument :
 BNA_F
 ClientSampleId :
 Q4-COMP-FILLMS

Tot Ion:	162	Resp:	164199
Ion Ratio	Lower	Upper	
162	100		
164	63.4	42.7	82.7
98	33.0	18.1	58.1

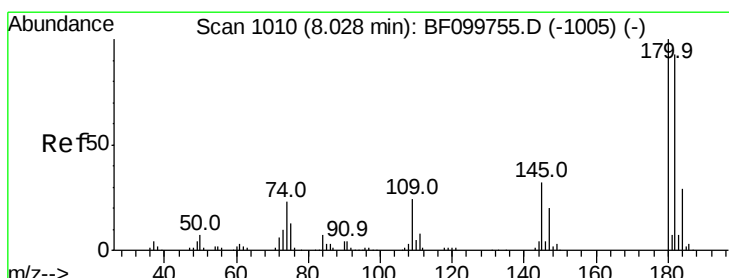
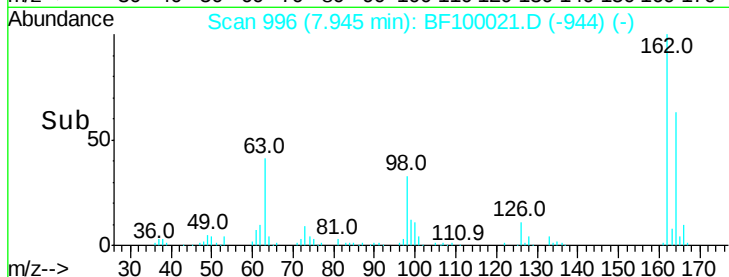
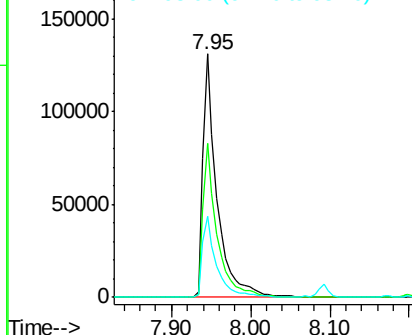
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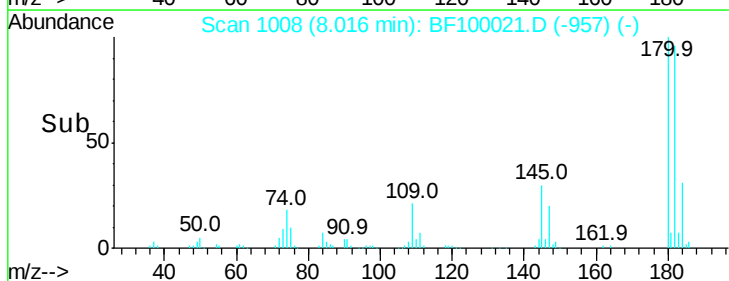
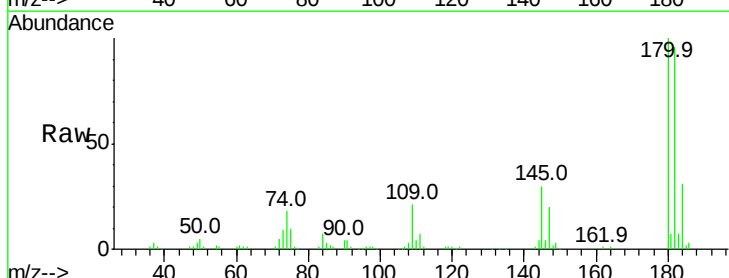
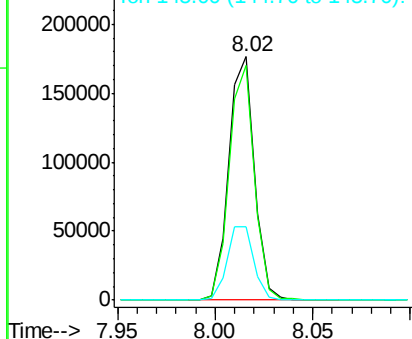
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

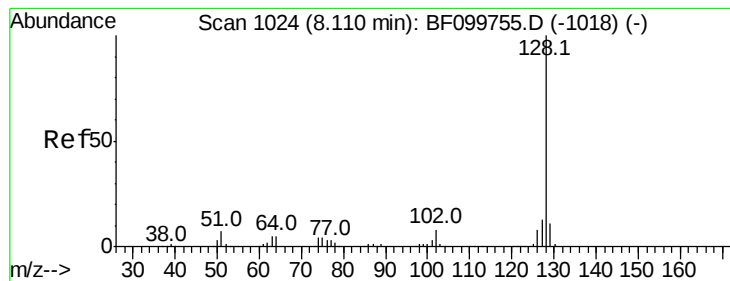


#30
 1,2,4-Trichlorobenzene
 Concen: 28.992 ng
 RT: 8.02 min Scan# 1008
 Delta R.T. 0.00 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

Tgt Ion:	180	Resp:	160734
Ion Ratio	Lower	Upper	
180	100		
182	96.5	76.8	115.2
145	30.2	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: 29.653 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

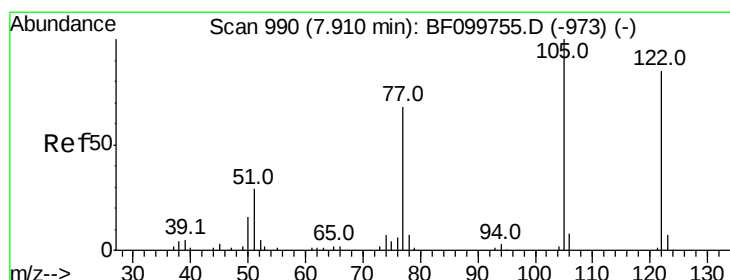
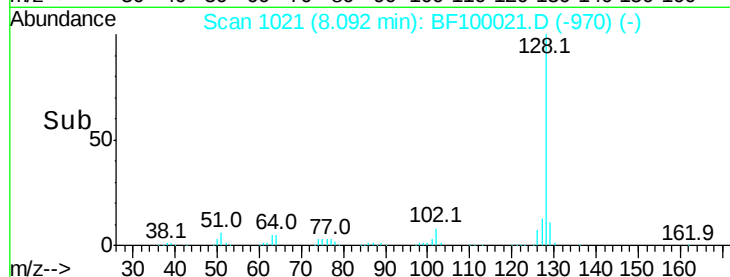
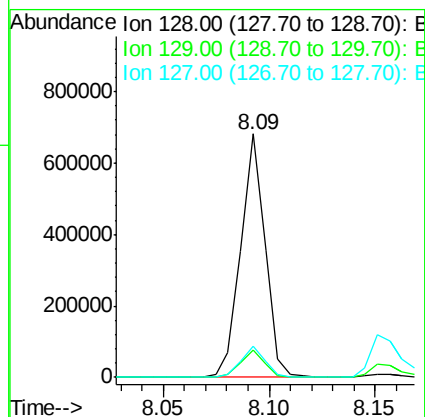
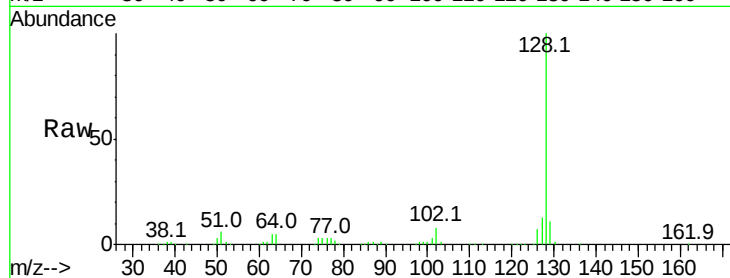
Q4-COMP-FILLMS

Tot Ion:	128	Resp:	541314
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.8	13.2
127	12.9	10.9	16.3

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#32

Benzoic acid

Concen: 2.823 ng

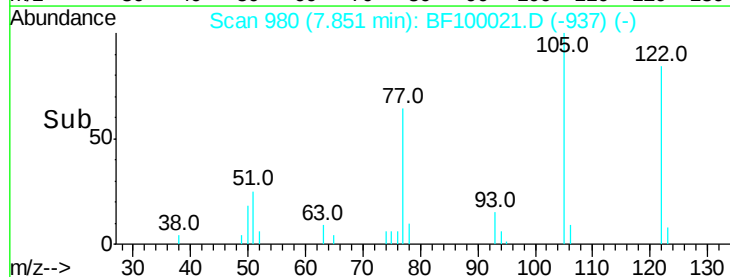
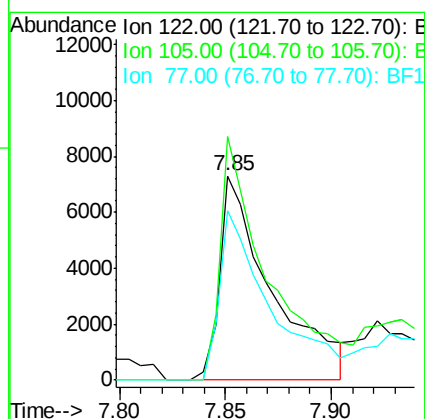
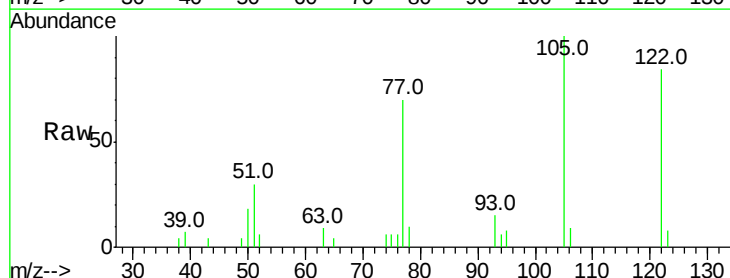
RT: 7.85 min Scan# 980

Delta R.T. -0.05 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Tgt Ion:	122	Resp:	12413
Ion Ratio	Lower	Upper	
122	100		
105	119.2	101.1	141.1
77	83.2	70.7	110.7





#33
4-Chloroaniline
Concen: 18.442 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

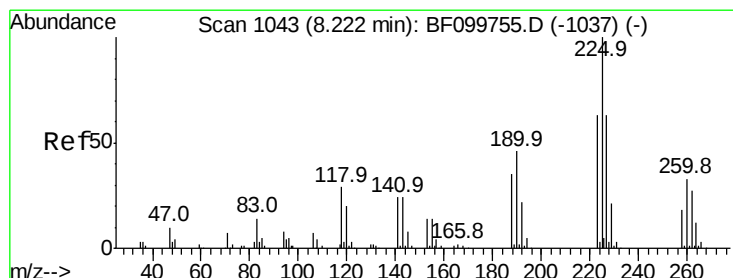
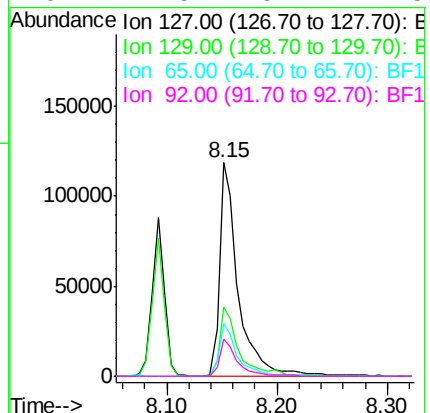
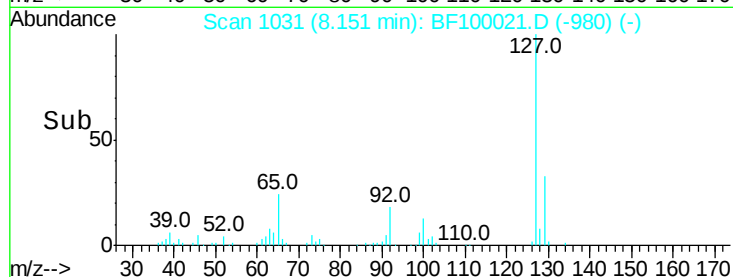
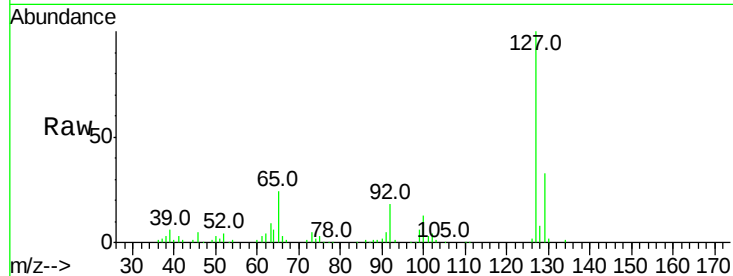
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.9	38.9
65	24.4	25.0	37.4
92	17.5	15.2	22.8

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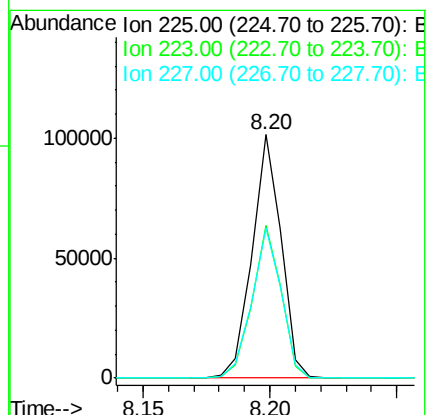
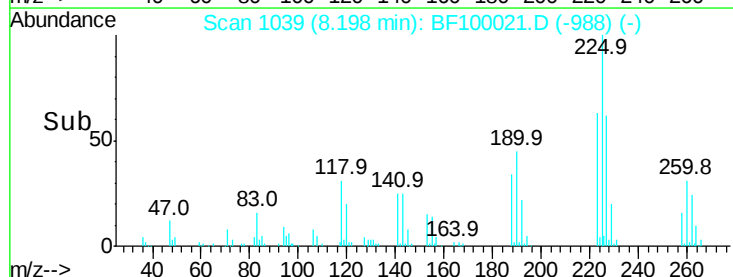
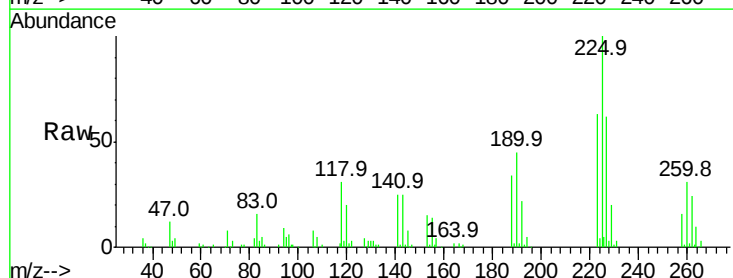
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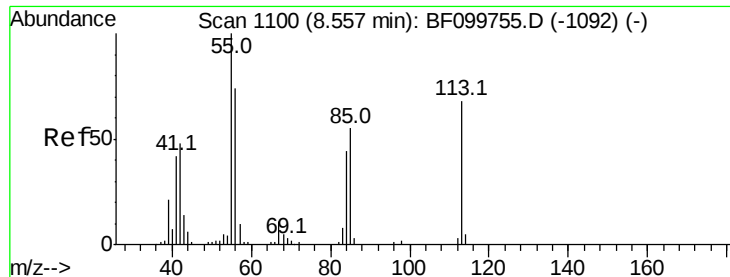
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#34
Hexachlorobutadiene
Concen: 28.293 ng
RT: 8.20 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	76.0
227	61.9	51.9	77.9





#35

Caprolactam

Concen: 29.490 ng

RT: 8.52 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

Q4-COMP-FILLMS

Tot Ion:113 Resp: 48120

Ion Ratio Lower Upper

113 100

55 147.1 163.3 203.3#

56 111.2 115.7 155.7#

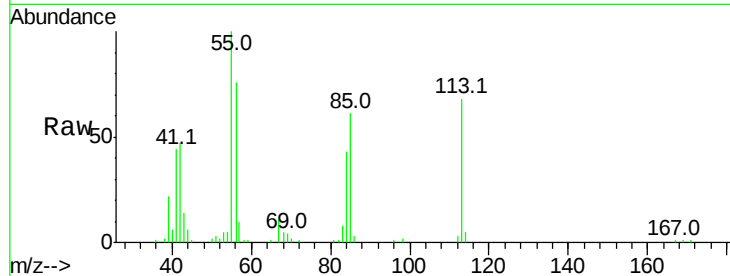
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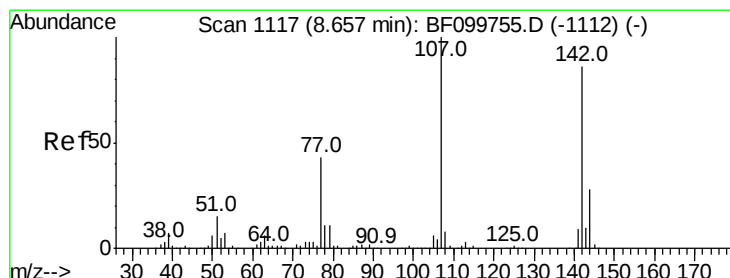
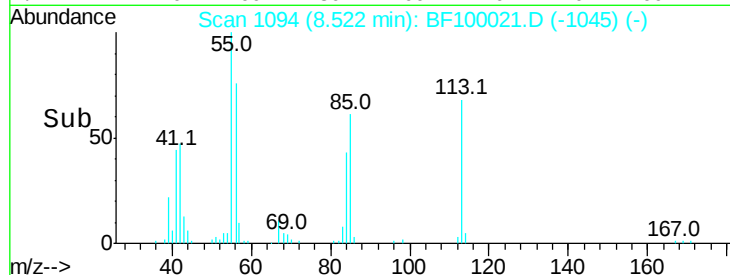
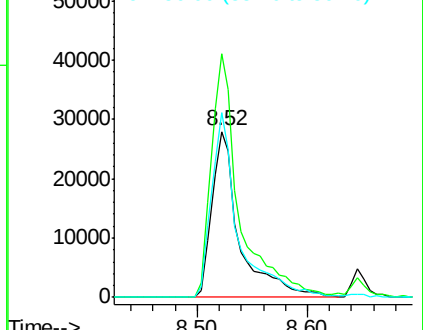
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 29.933 ng

RT: 8.65 min Scan# 1115

Delta R.T. 0.01 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

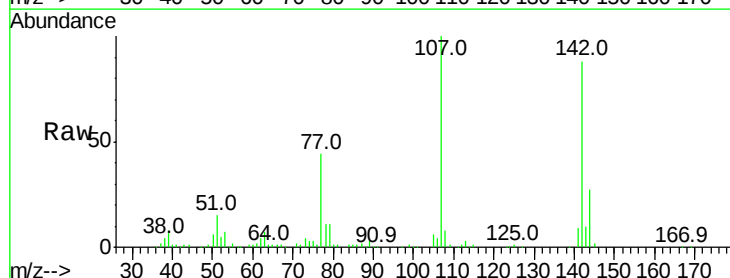
Tgt Ion:107 Resp: 158527

Ion Ratio Lower Upper

107 100

144 26.9 20.5 30.7

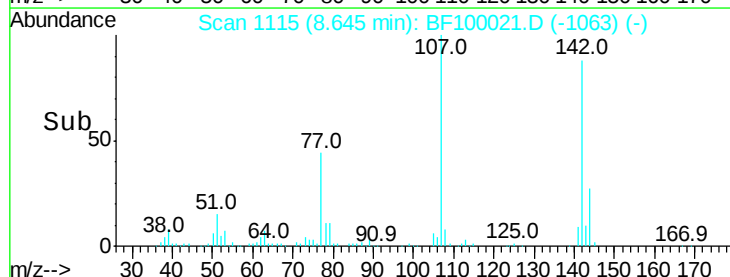
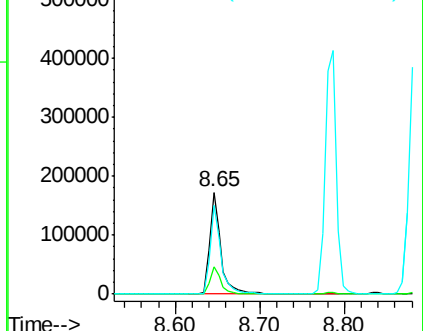
142 87.7 62.0 93.0

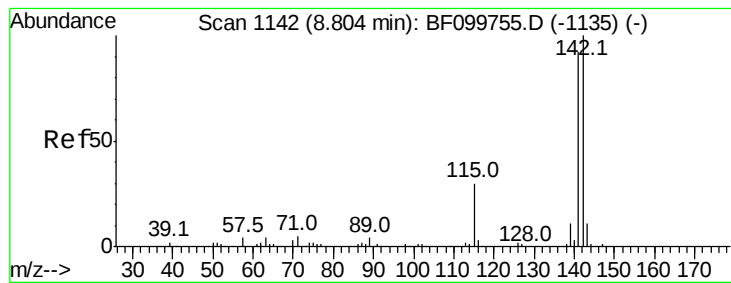


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37
2-Methylnaphthalene
Concen: 29.724 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

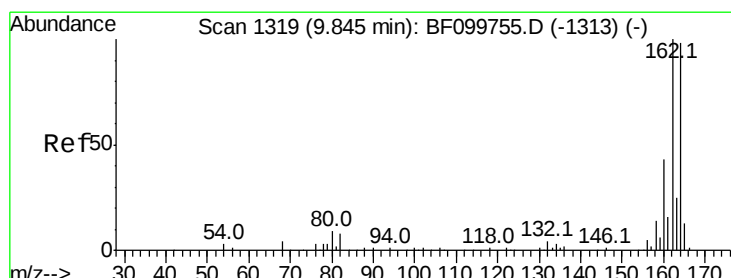
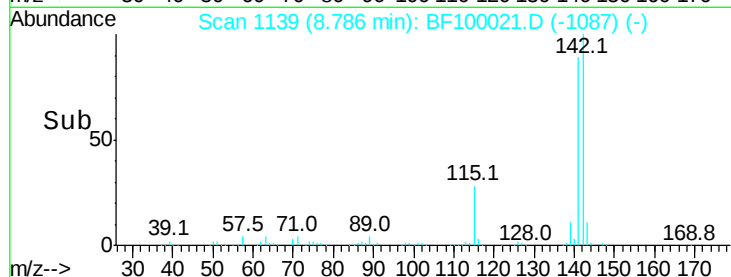
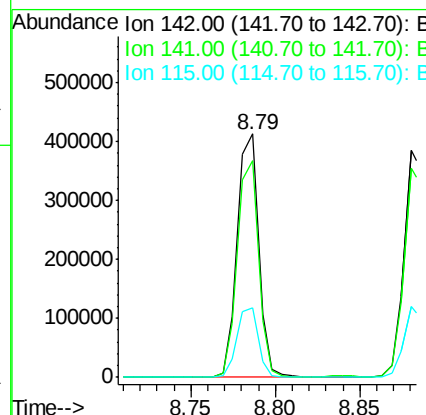
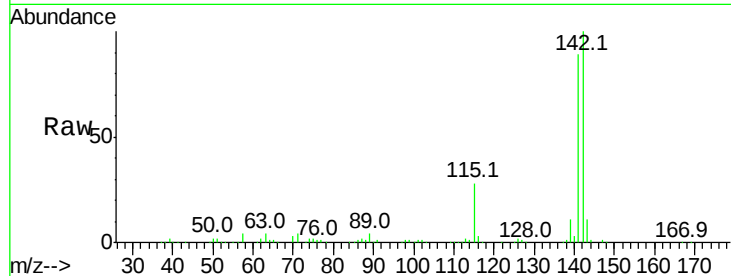
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.8	106.2
115	28.4	26.1	39.1

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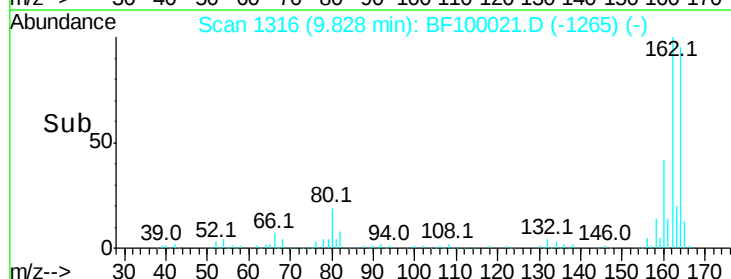
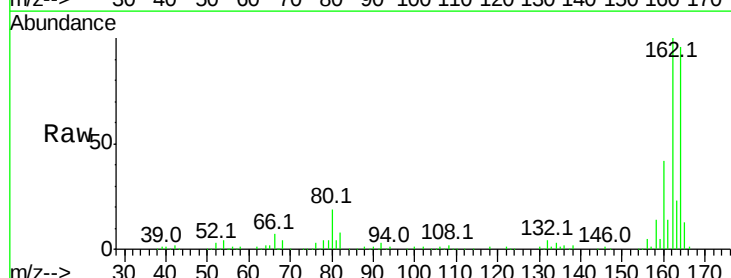
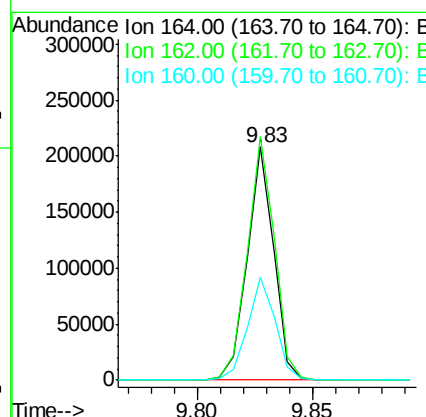
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	43.9	38.3	57.5





#39
1,2,4,5-Tetrachlorobenzene
Concen: 27.750 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

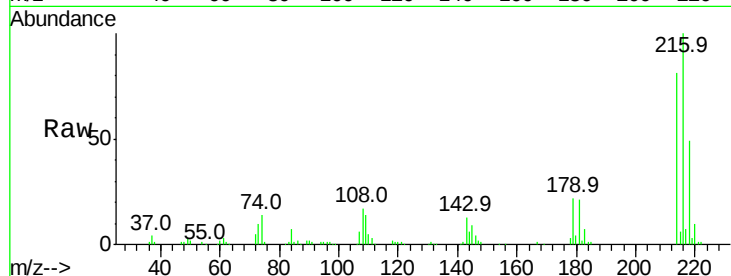
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	80.2	63.0	94.4
179	21.9	18.1	27.1
108	16.5	17.2	25.8

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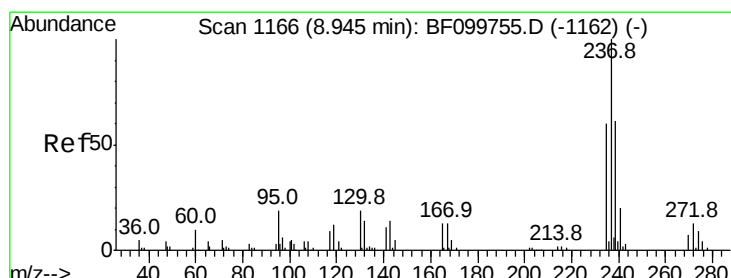
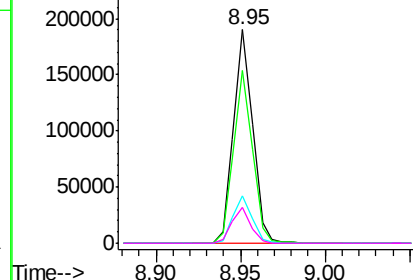
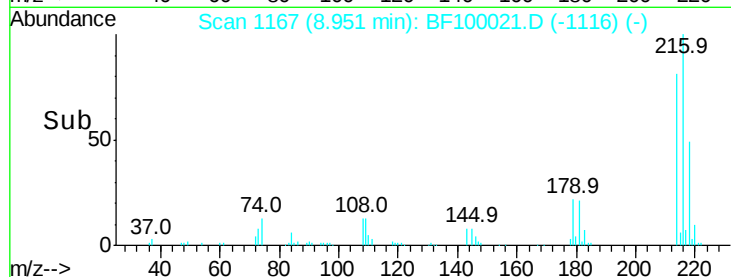
Abundance

Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

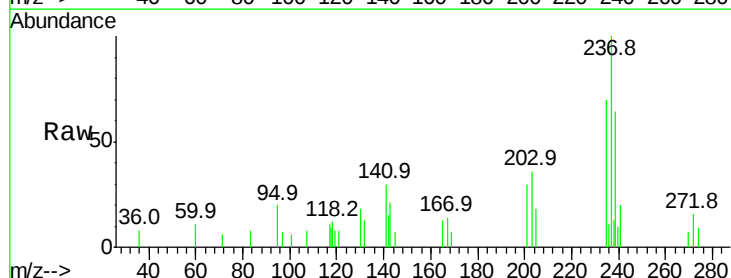
Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40
Hexachlorocyclopentadiene
Concen: 13.339 ng
RT: 8.93 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	69.7	44.8	84.8
272	15.6	0.0	33.3

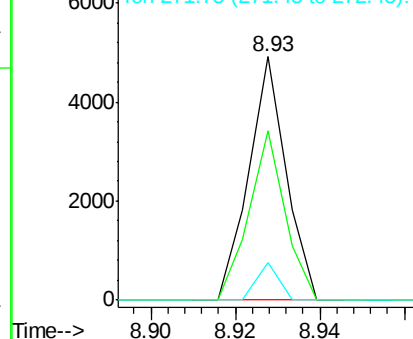
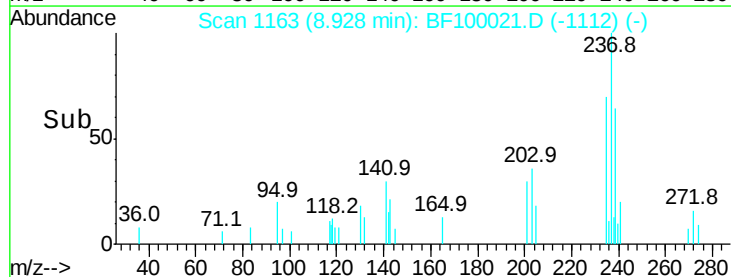


Abundance

Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41
 2,4,6-Tribromophenol
 Concen: 78.833 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

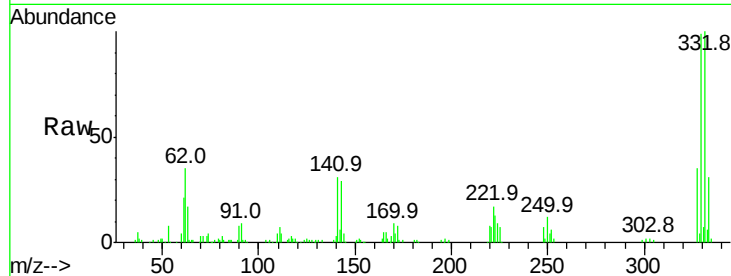
Instrument :
 BNA_F
 ClientSampleId :
 Q4-COMP-FILLMS

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.9	77.0	115.6	
141	34.5	29.9	44.9	

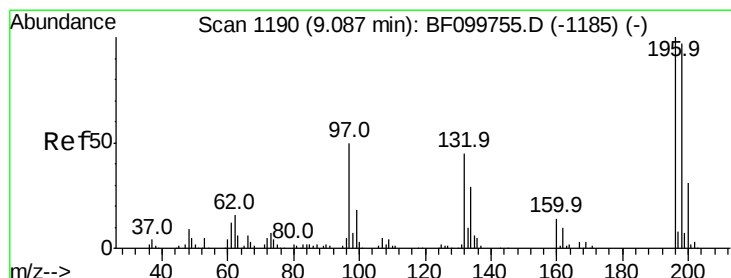
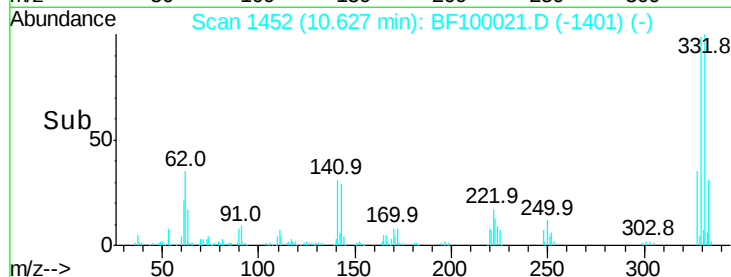
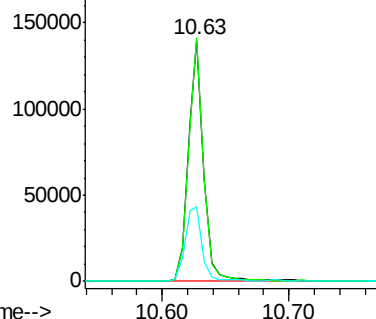
Manual Integrations
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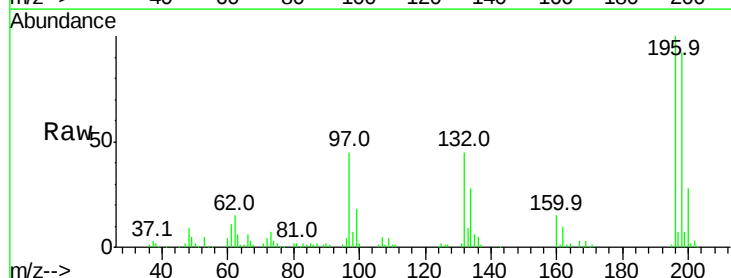


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

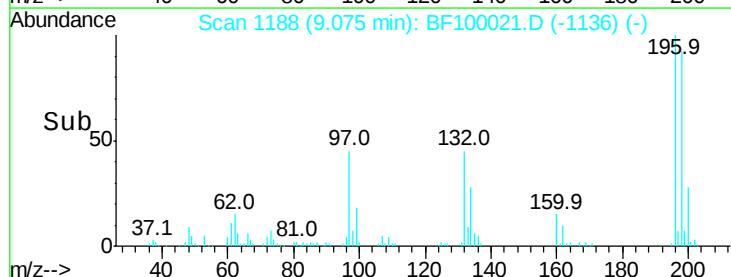
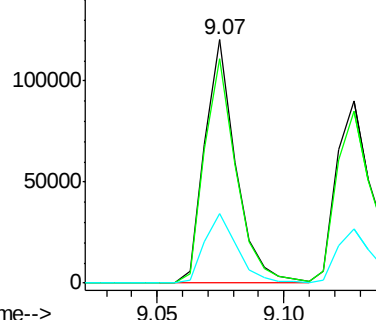


#42
 2,4,6-Trichlorophenol
 Concen: 31.350 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	92.4	75.7	113.5	
200	28.4	24.5	36.7	



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





#43
 2,4,5-Trichlorophenol
 Concen: 29.857 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

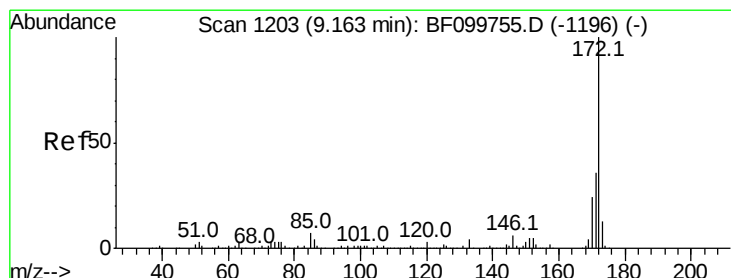
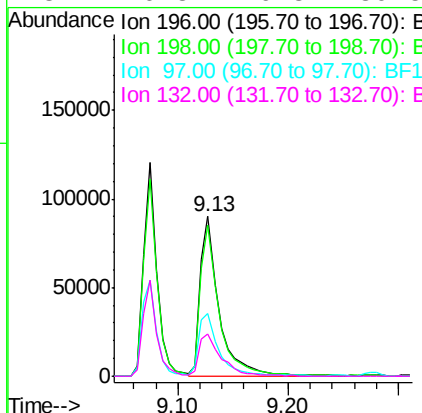
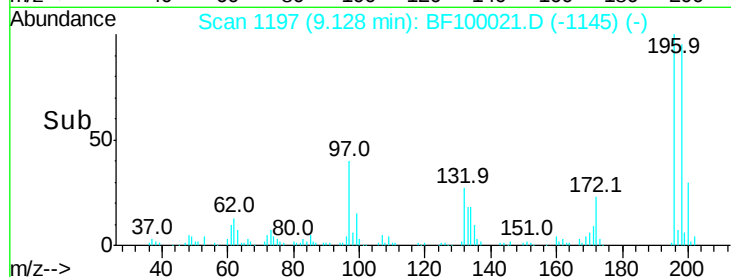
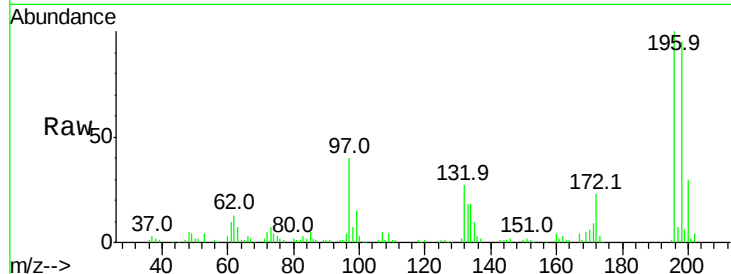
Instrument :
 BNA_F
 ClientSampleId :
 Q4-COMP-FILLMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	103303		
198	94.5	74.6	112.0	
97	39.6	42.9	64.3	#
132	26.8	26.3	39.5	

Manual Integrations
 APPROVED

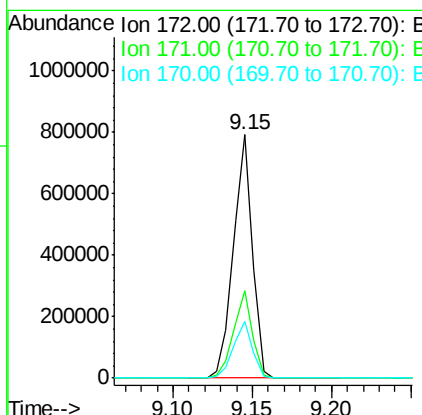
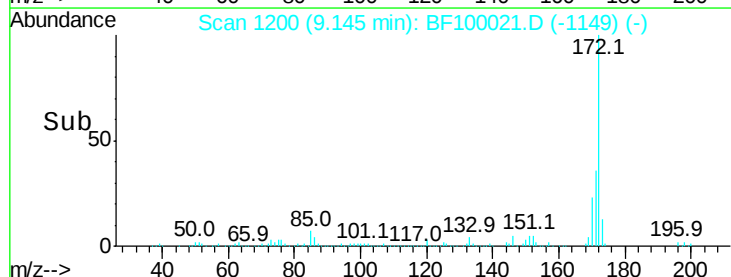
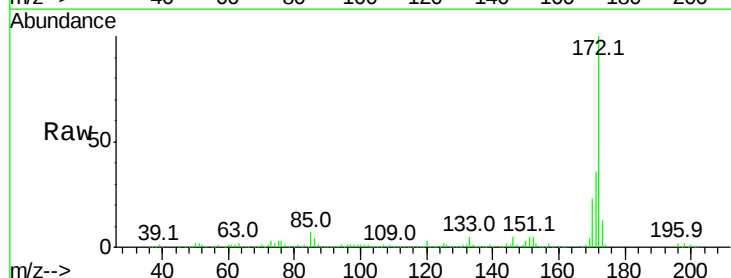
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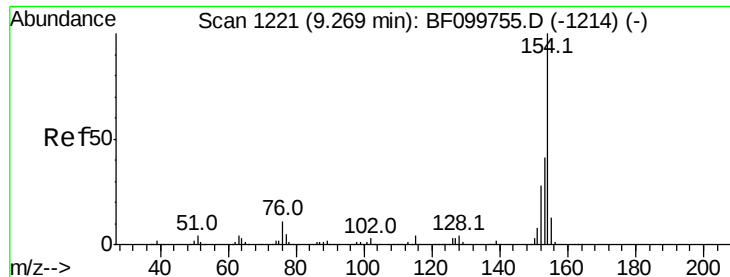
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#44
 2-Fluorobiphenyl
 Concen: 60.769 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	657360		
171	36.1	29.7	44.5	
170	23.3	19.6	29.4	





#45
 1,1'-Biphenyl
 Concen: 28.149 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

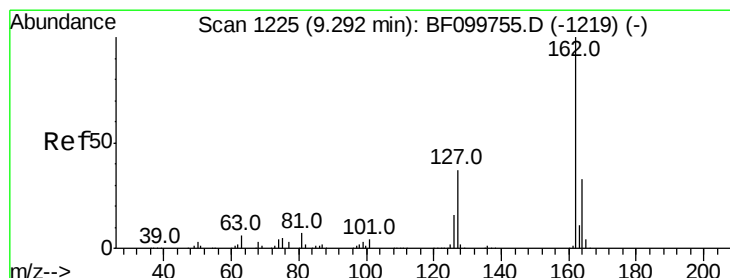
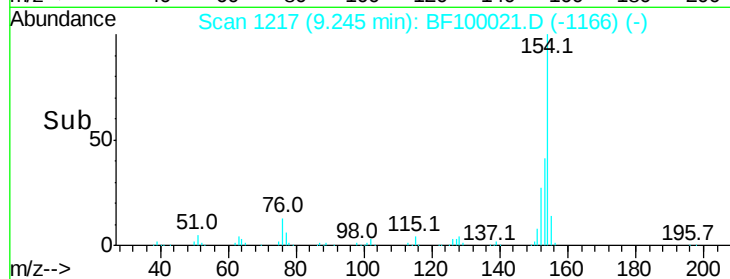
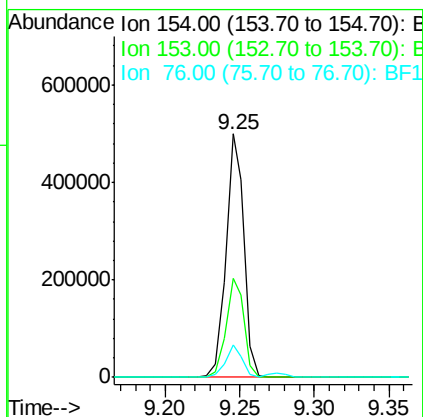
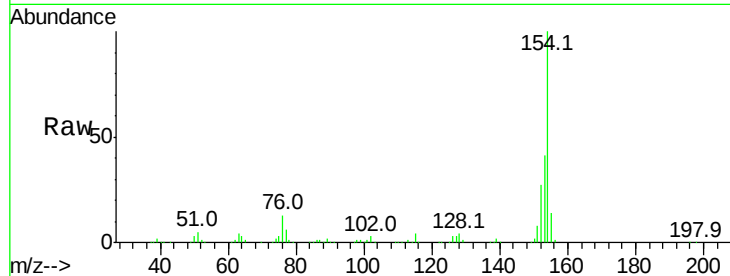
Instrument :
 BNA_F
 ClientSampleId :
 Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.3	61.3
76	13.1	0.0	34.0

Manual Integrations
 APPROVED

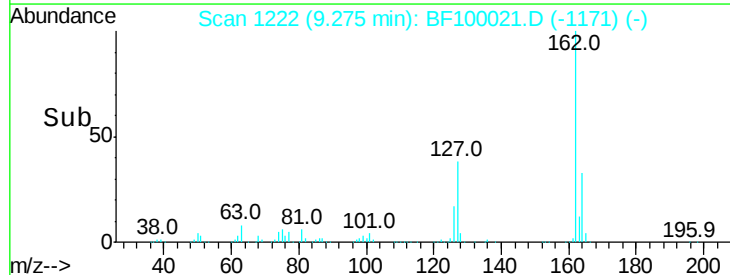
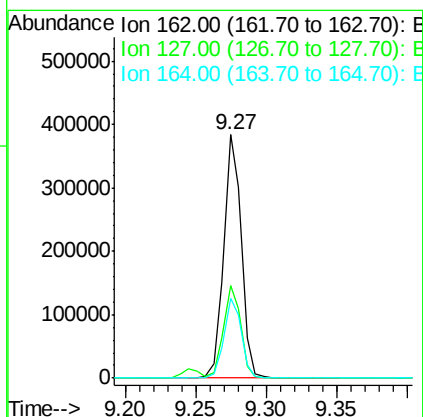
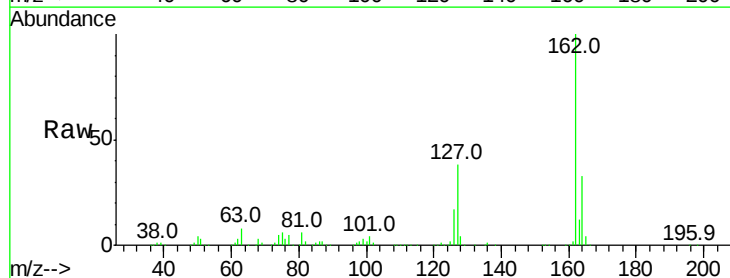
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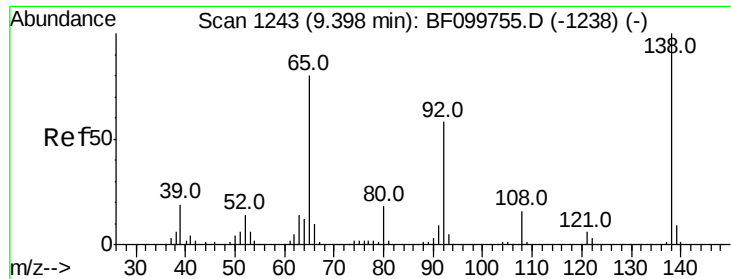
11/1/2017 2:37:58 PM



#46
 2-Chloronaphthalene
 Concen: 30.146 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.3	33.9	50.9
164	32.6	26.5	39.7





#47
2-Nitroaniline
Concen: 31.138 ng
RT: 9.39 min Scan# 1241
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

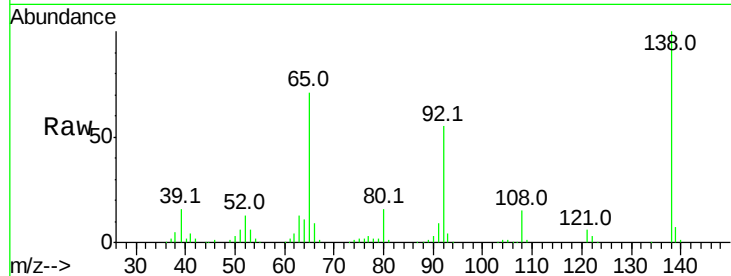
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
65	100		
92	78.1	55.8	83.6
138	140.8	91.2	136.8

Manual Integrations
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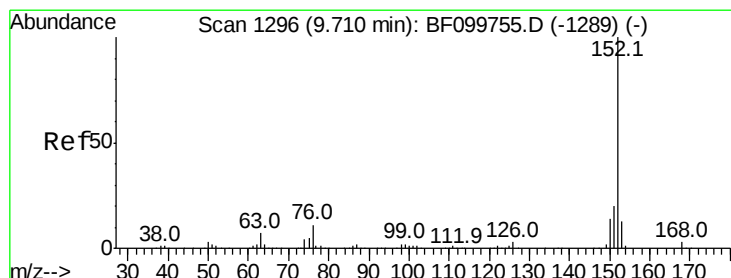
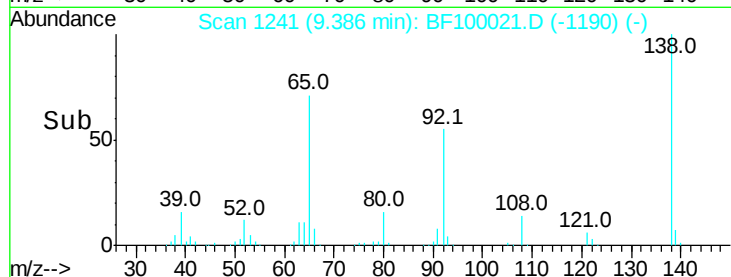
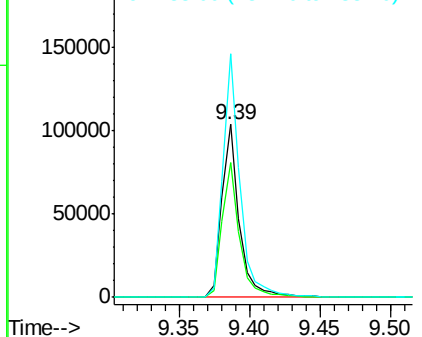


Abundance

Ion 65.00 (64.70 to 65.70): BF1

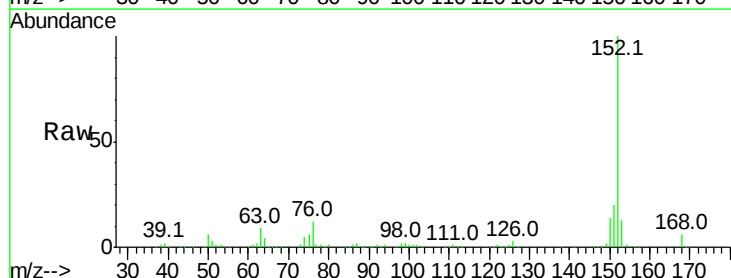
Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#48
Acenaphthylene
Concen: 29.157 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.3	24.5
153	12.6	10.7	16.1

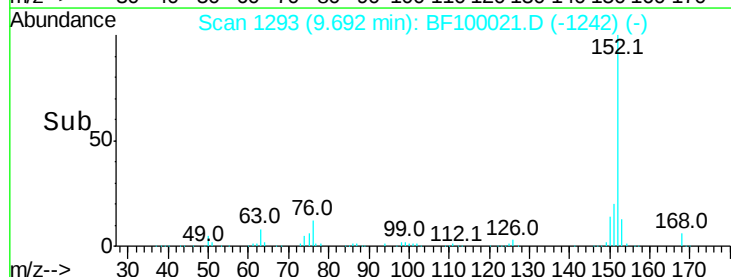
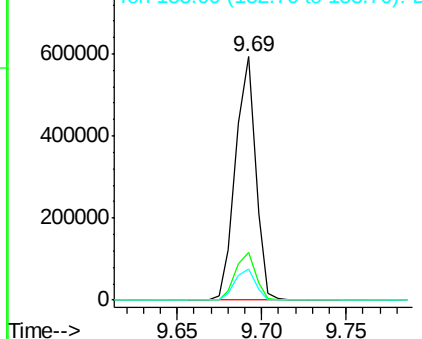


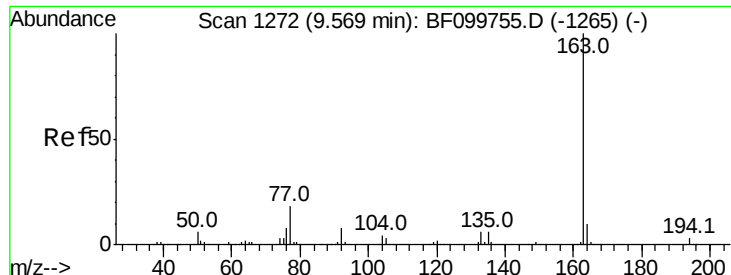
Abundance

Ion 152.00 (151.70 to 152.70): BF1

Ion 151.00 (150.70 to 151.70): BF1

Ion 153.00 (152.70 to 153.70): BF1





#49
 Dimethylphthalate
 Concen: 36.269 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

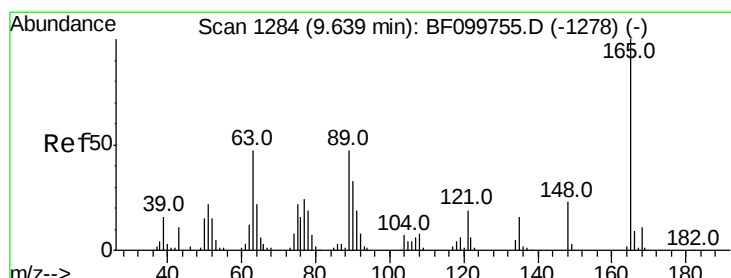
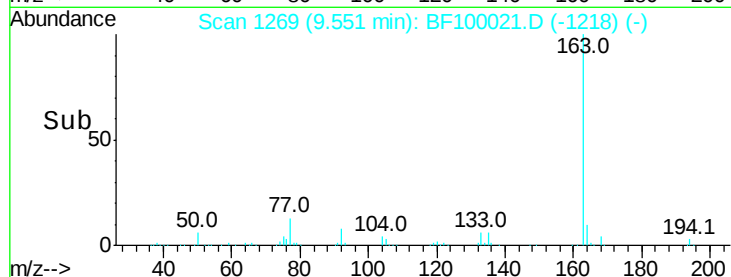
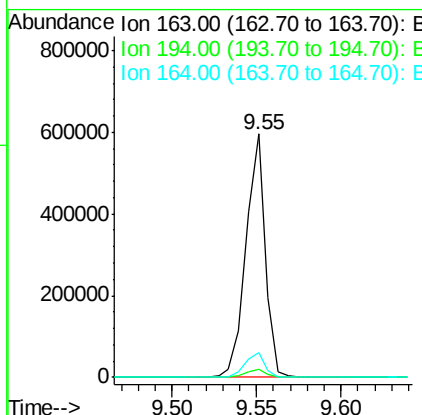
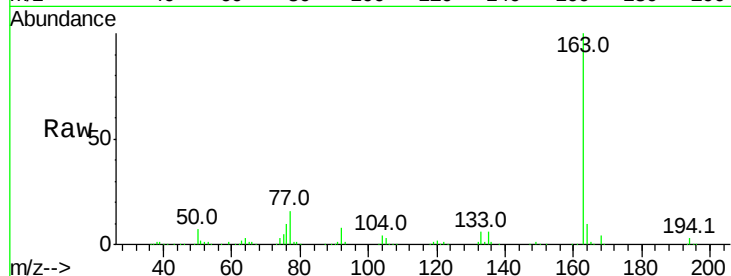
Instrument :
 BNA_F
 ClientSampleId :
 Q4-COMP-FILLMS

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.7	4.1	
164	10.1	8.2	12.2	

Manual Integrations
 APPROVED

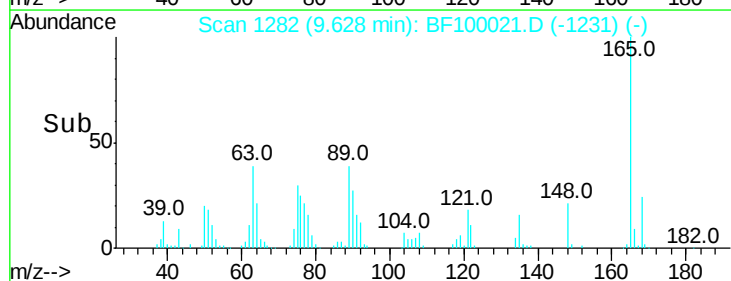
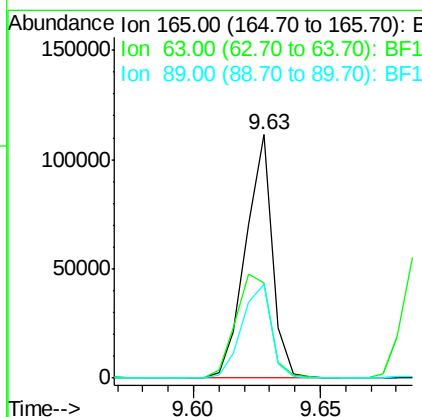
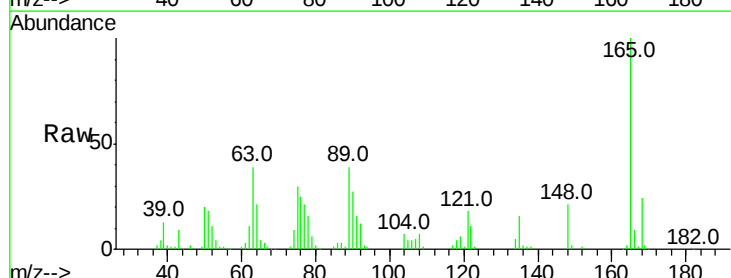
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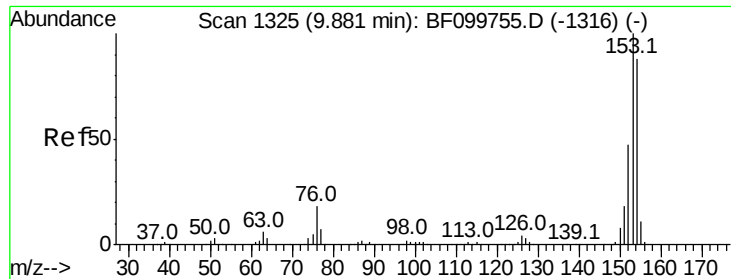
11/1/2017 2:37:58 PM



#50
 2,6-Dinitrotoluene
 Concen: 29.326 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	39.2	44.7	67.1#	
89	38.7	44.0	66.0#	





#51

Acenaphthene

Concen: 28.908 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

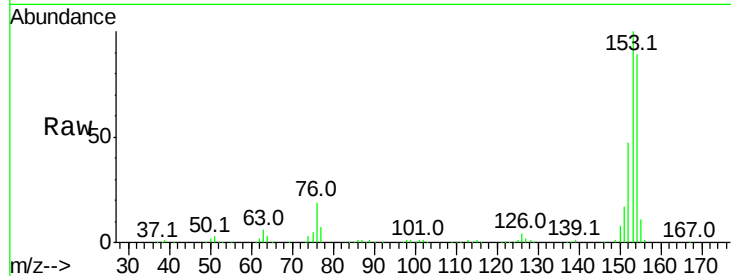
Q4-COMP-FILLMS

Tot Ion:	154	Resp:	298295
Ion Ratio	Lower	Upper	
154	100		
153	112.3	91.2	136.8
152	53.1	43.8	65.8

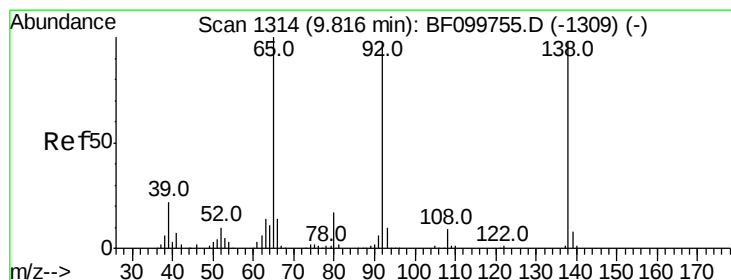
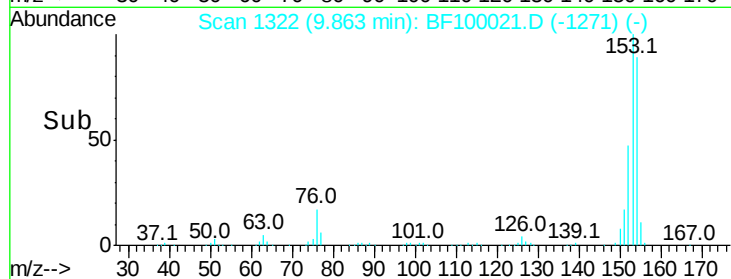
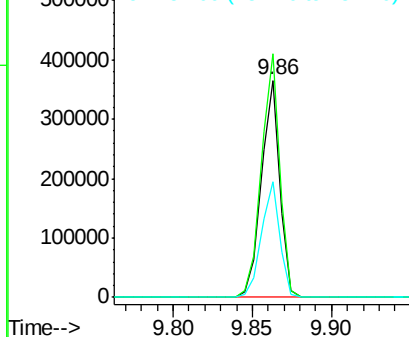
Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 26.815 ng

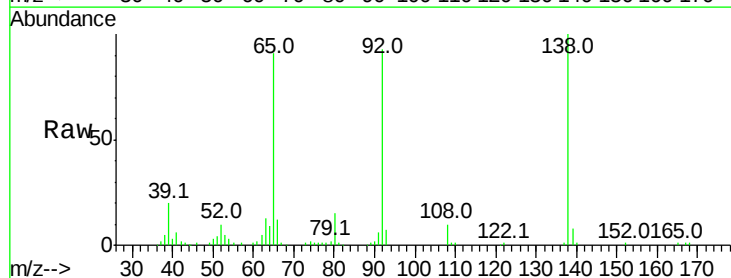
RT: 9.80 min Scan# 1312

Delta R.T. 0.00 min

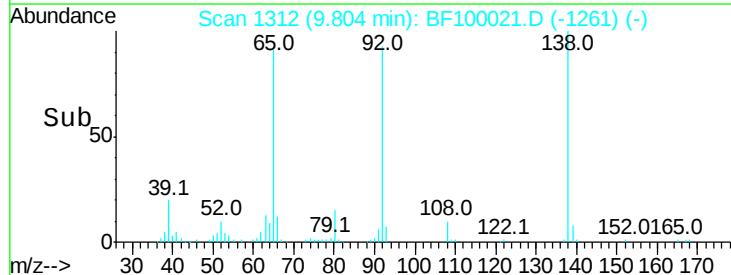
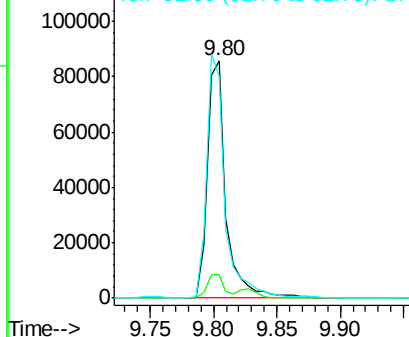
Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Tgt Ion:	138	Resp:	87787
Ion Ratio	Lower	Upper	
138	100		
108	10.1	9.4	14.0
92	93.4	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: 7.419 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.06 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

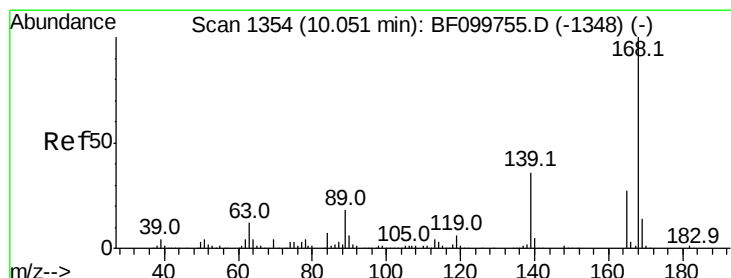
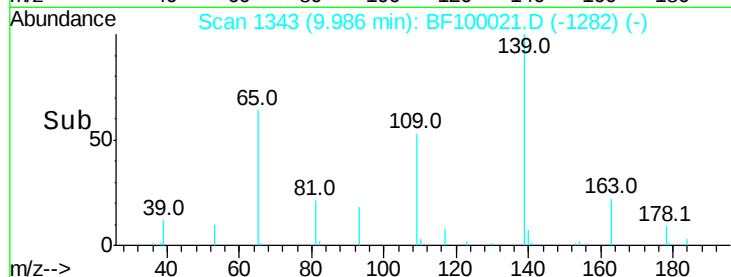
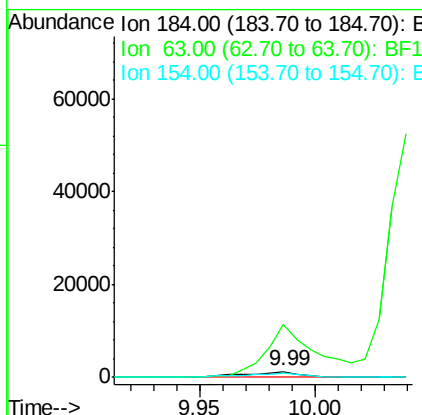
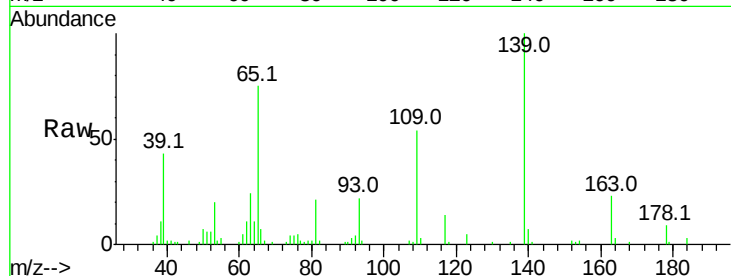
Instrument :
 BNA_F
 ClientSampleId :
 Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
184	100		
63	862.6	54.2	81.2#
154	65.8	53.5	80.3

Manual Integrations
 APPROVED

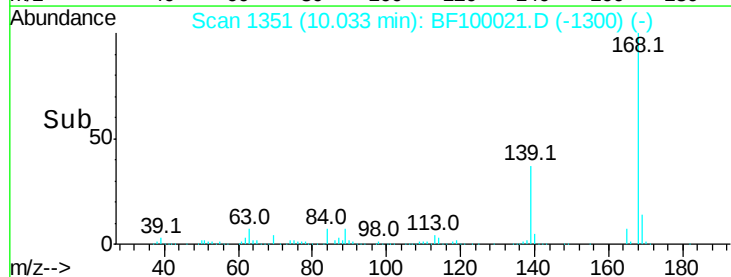
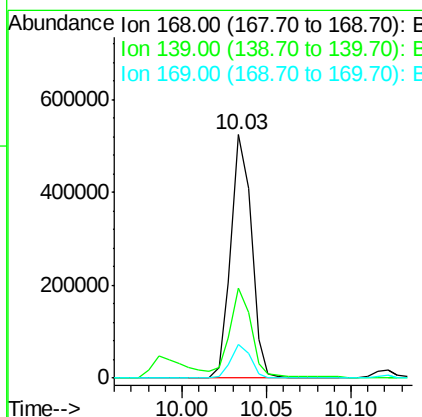
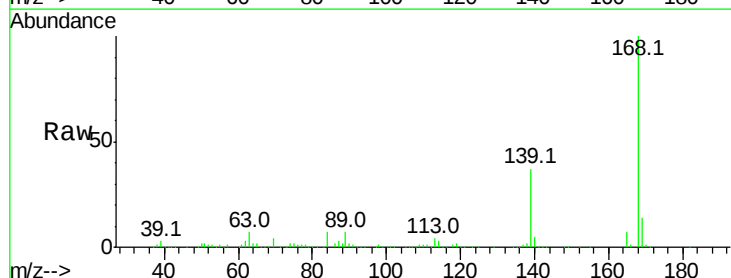
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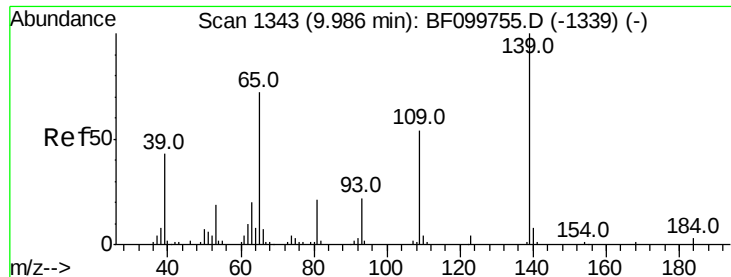
11/1/2017 2:37:58 PM



#54
 Dibenzofuran
 Concen: 30.615 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.9	30.1	45.1
169	13.6	10.9	16.3





#55
4-Nitrophenol
Concen: 39.549 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

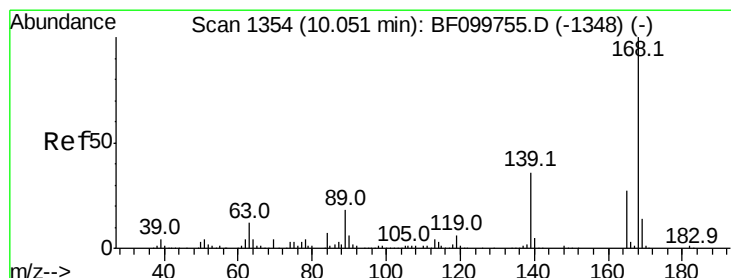
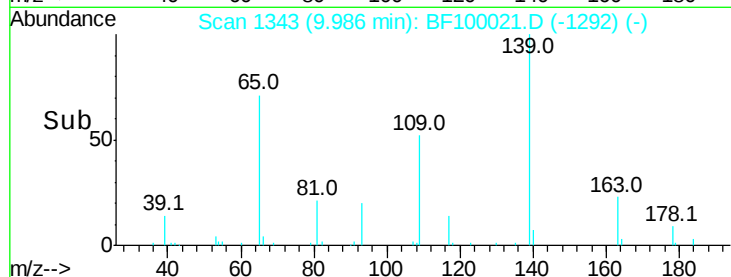
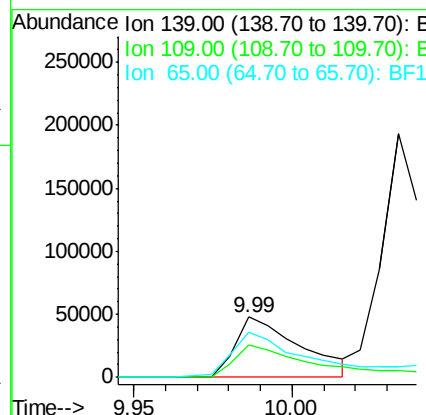
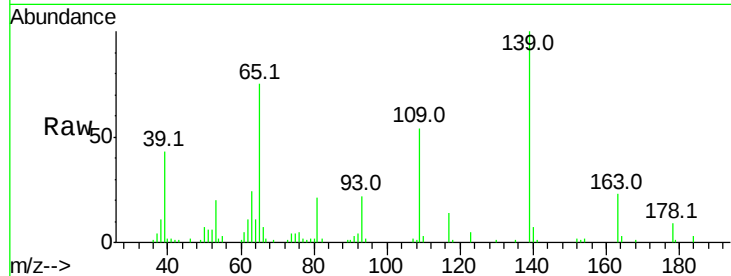
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
139	100		
109	54.1	48.4	88.4
65	74.7	72.6	112.6

Manual Integrations
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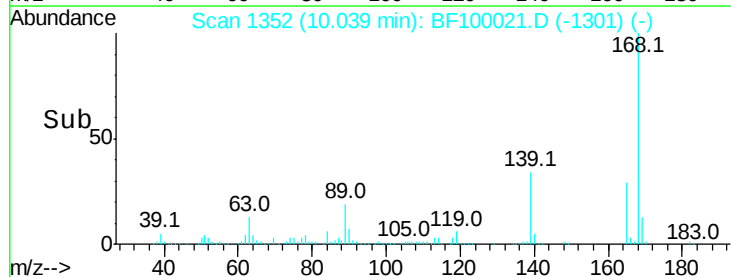
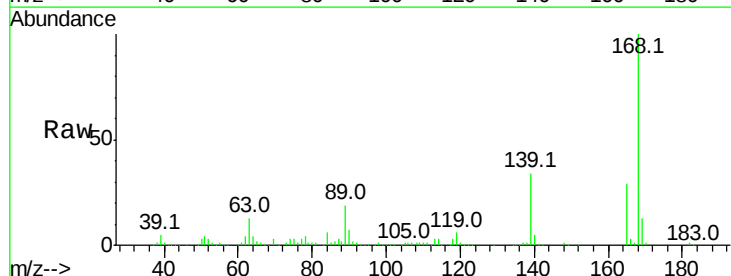
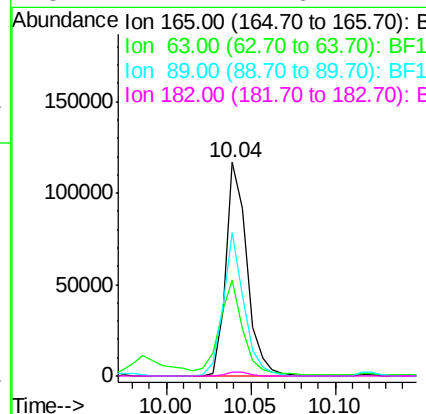
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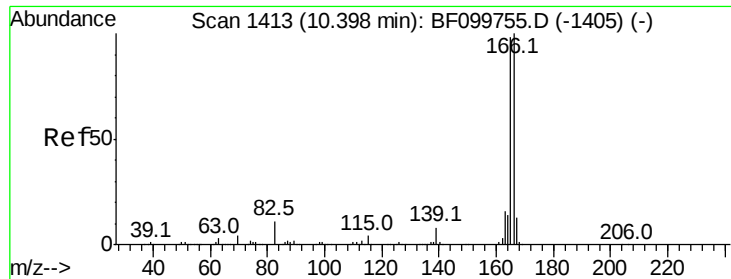
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#56
2,4-Dinitrotoluene
Concen: 30.496 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	44.9	36.4	54.6
89	67.1	57.8	86.6
182	2.1	1.6	2.4





#57
 Fluorene
 Concen: 29.596 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

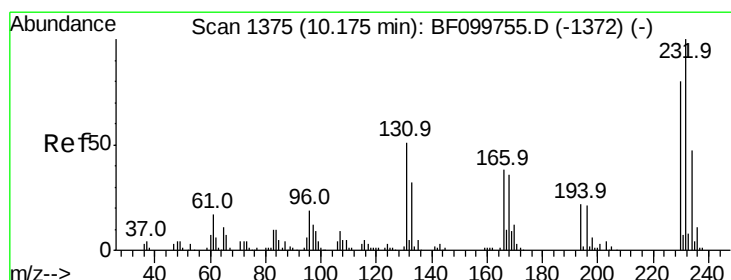
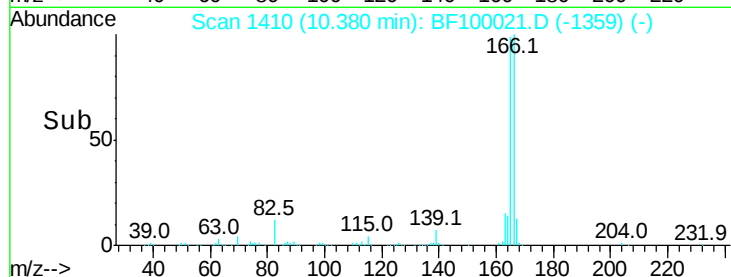
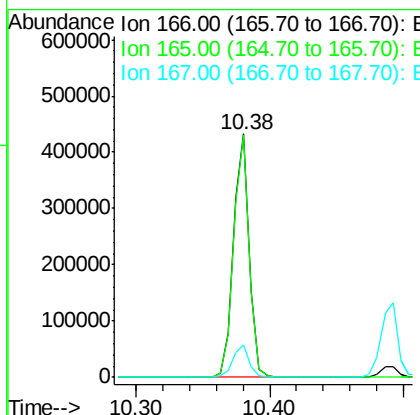
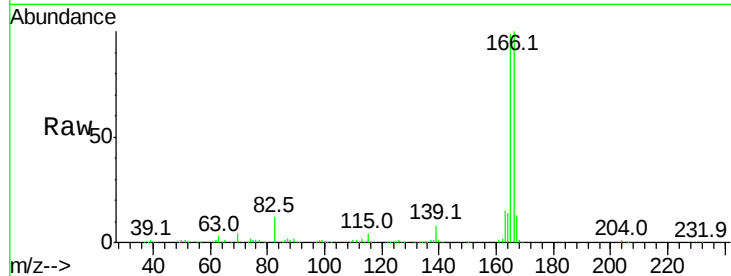
Instrument :
 BNA_F
 ClientSampleId :
 Q4-COMP-FILLMS

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.4	79.8	119.8	
167	13.5	10.6	16.0	

Manual Integrations
 APPROVED

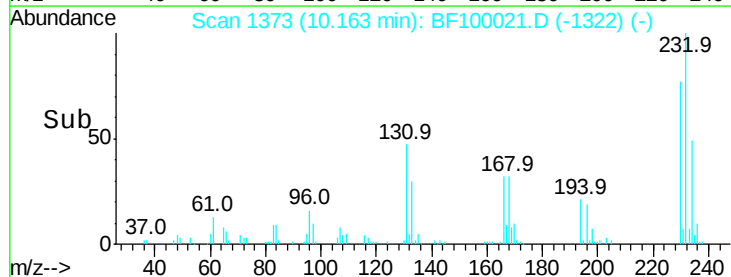
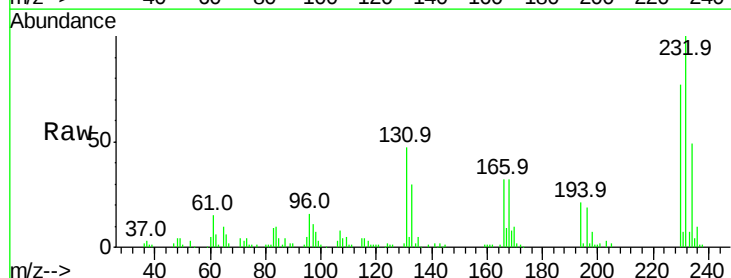
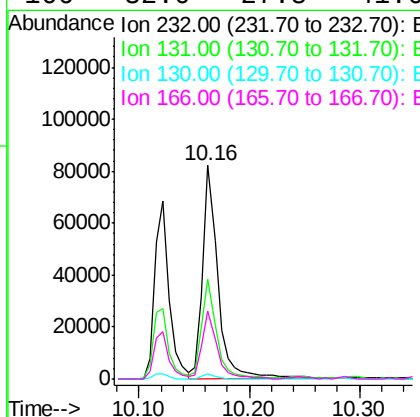
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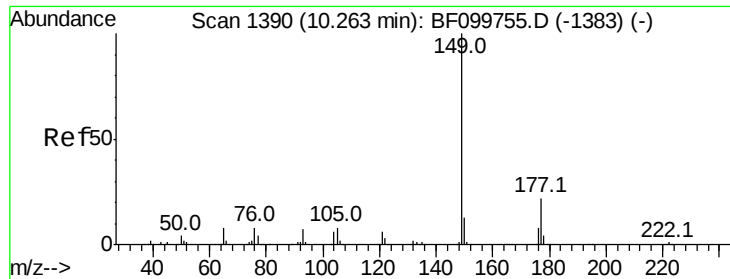
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 31.075 ng
 RT: 10.16 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	44.8	43.8	65.8	
130	1.9	2.1	3.1#	
166	32.0	27.8	41.6	





#59
Diethylphthalate
Concen: 28.976 ng
RT: 10.25 min Scan# 1387
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

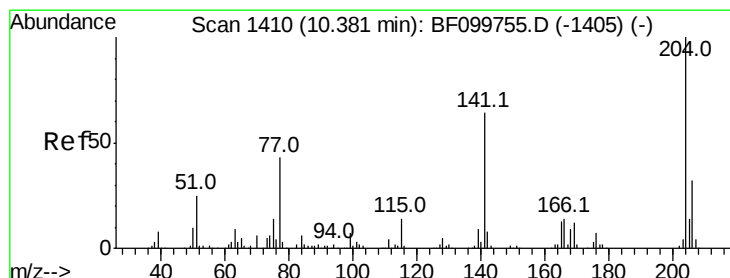
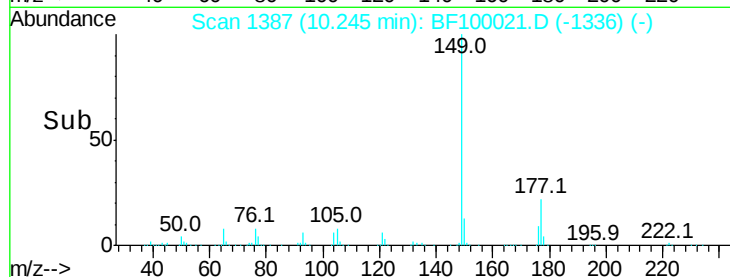
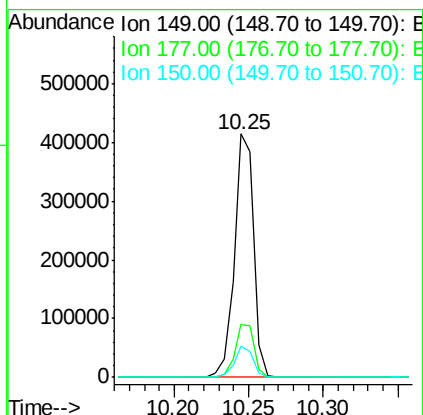
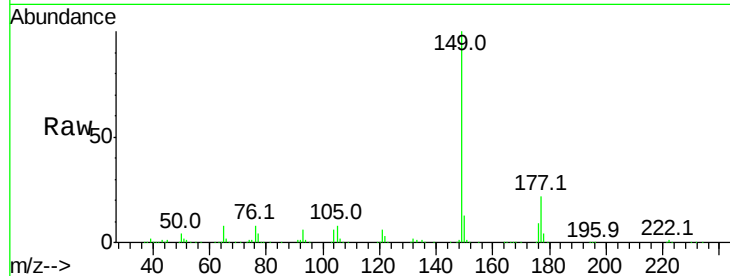
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
149	100		
177	21.5	16.1	24.1
150	12.6	10.1	15.1

Manual Integrations
APPROVED

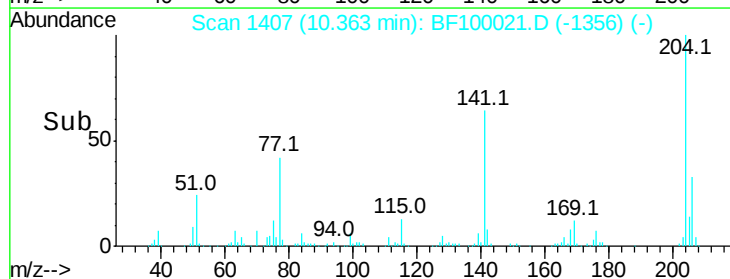
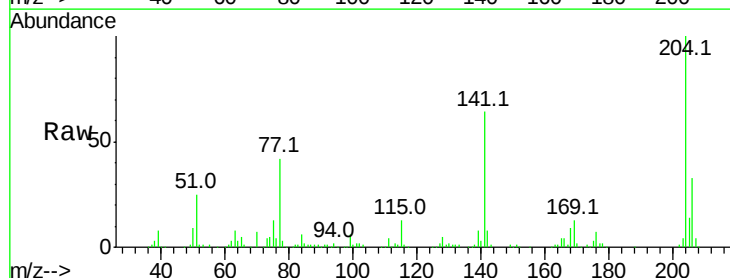
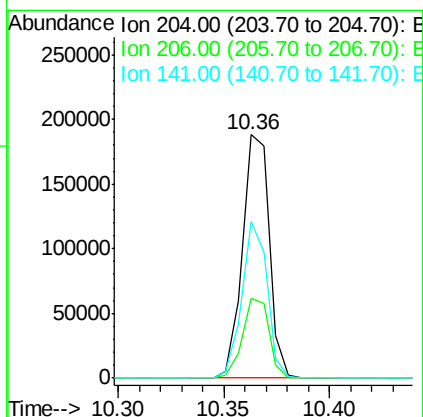
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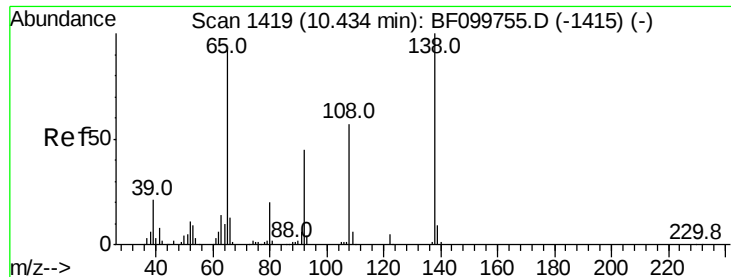
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#60
4-Chlorophenyl-phenylether
Concen: 29.214 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.5	39.7
141	64.3	54.6	81.8





#61

4-Nitroaniline

Concen: 29.940 ng

RT: 10.42 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

Q4-COMP-FILLMS

Tot Ion: 138 Resp: 93518

Ion Ratio Lower Upper

138 100

92 42.9 30.2 70.2

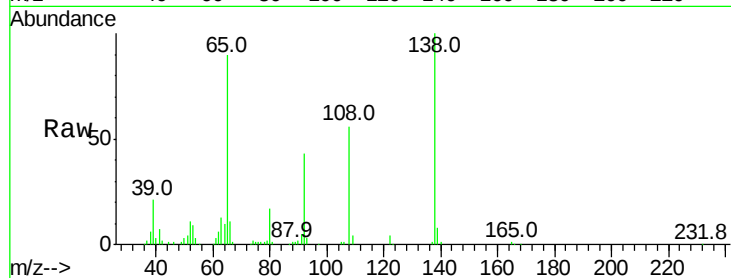
108 56.1 52.5 92.5

Manual Integrations
APPROVED

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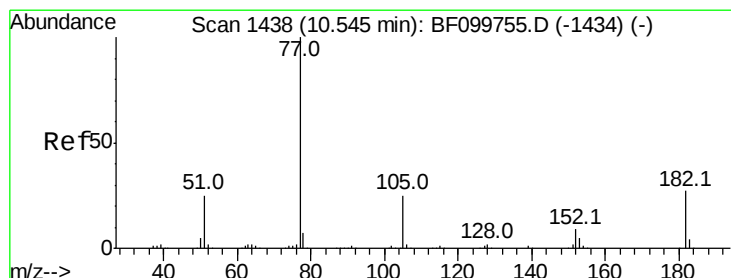
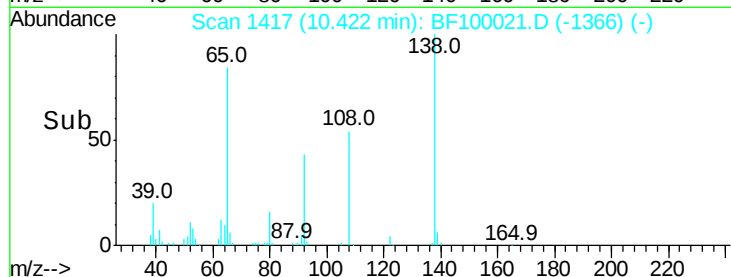
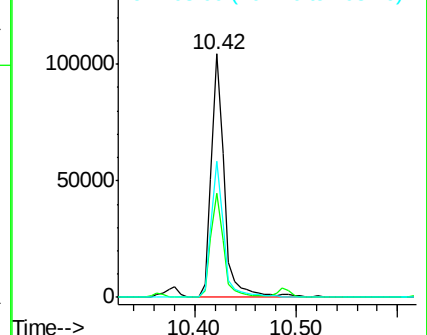
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 30.230 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Tgt Ion: 77 Resp: 327066

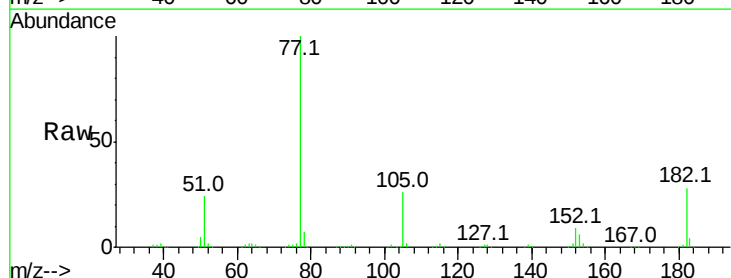
Ion Ratio Lower Upper

77 100

182 28.0 1.7 41.7

105 26.3 3.0 43.0

51 23.8 9.9 49.9

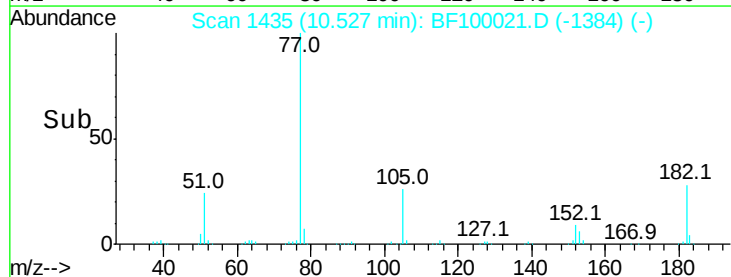
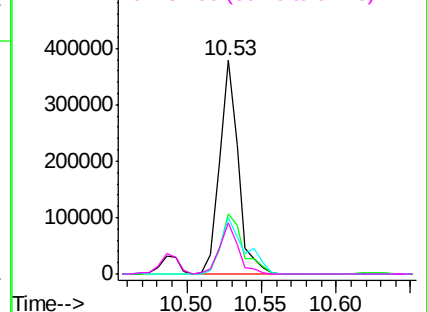


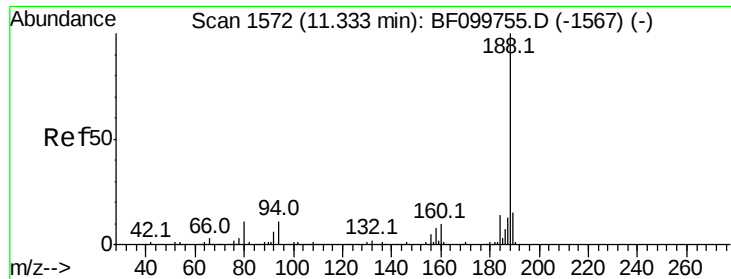
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

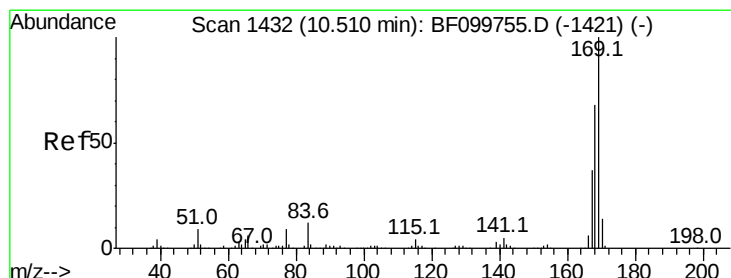
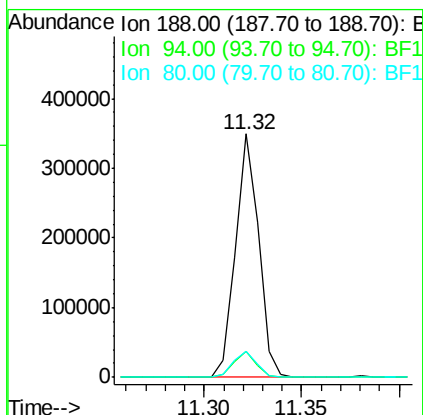
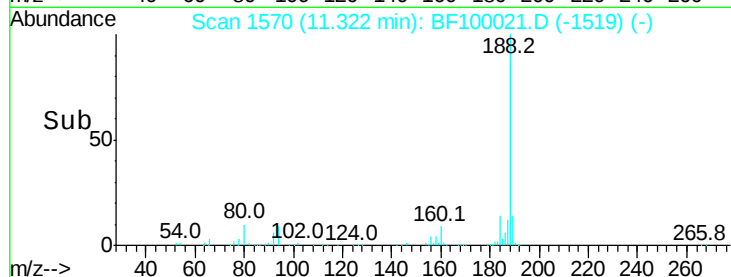
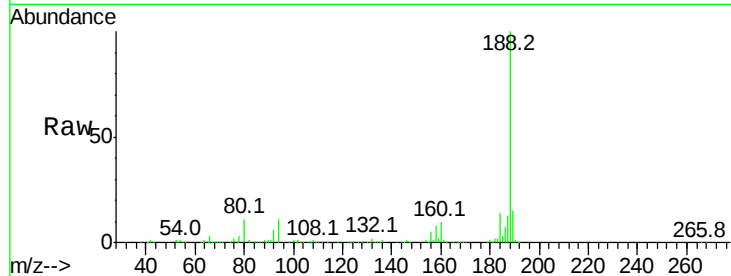
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	287451		
94	10.7		8.5	12.7
80	10.5		9.2	13.8

Manual Integrations
APPROVED

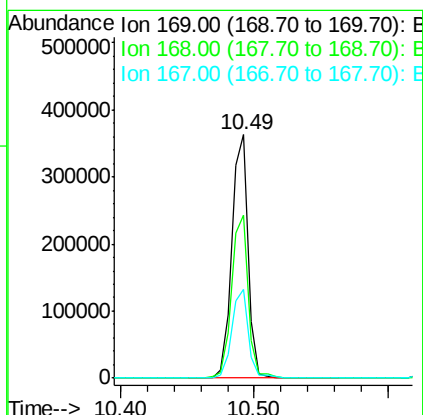
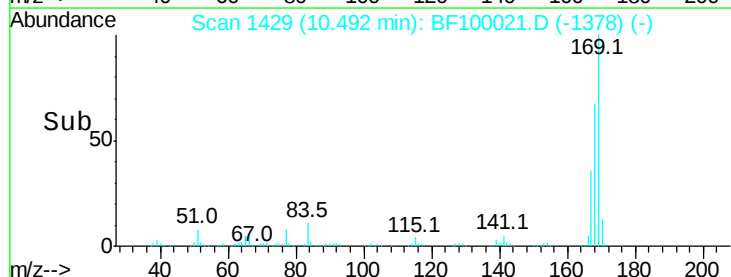
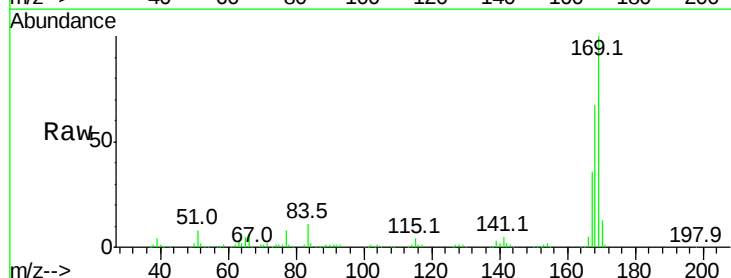
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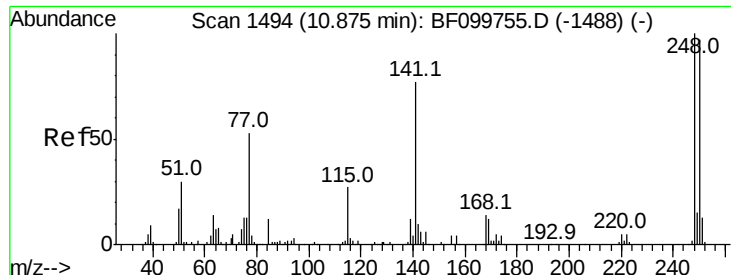
11/1/2017 2:37:58 PM



#65
n-Nitrosodiphenylamine
Concen: 29.497 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	312993		
168	67.0		54.4	81.6
167	36.3		29.8	44.6





#66
4-Bromophenyl-phenylether
Concen: 31.262 ng
RT: 10.86 min Scan# 1491
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

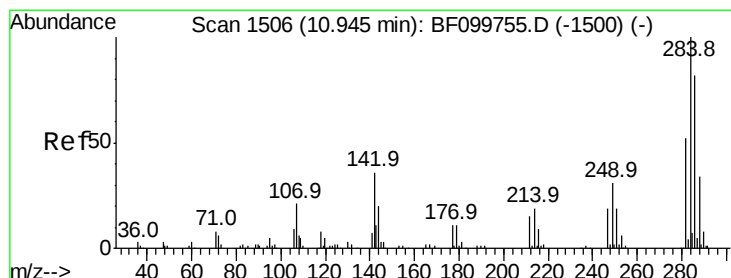
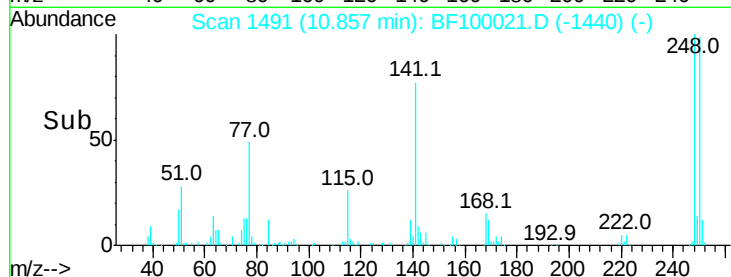
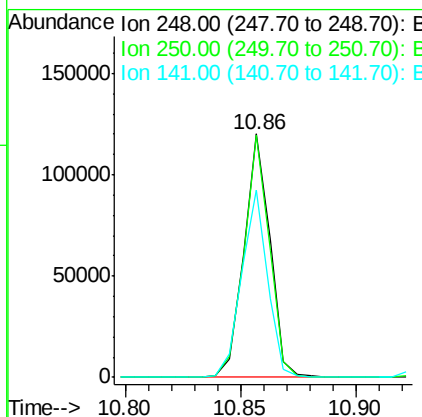
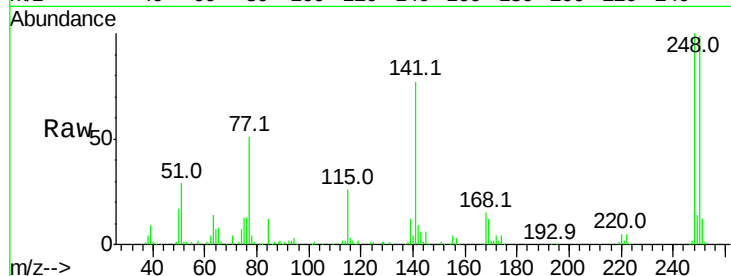
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.4	76.9	115.3
141	76.9	74.4	111.6

Manual Integrations
APPROVED

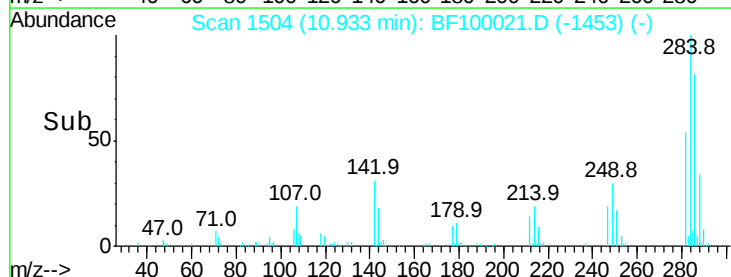
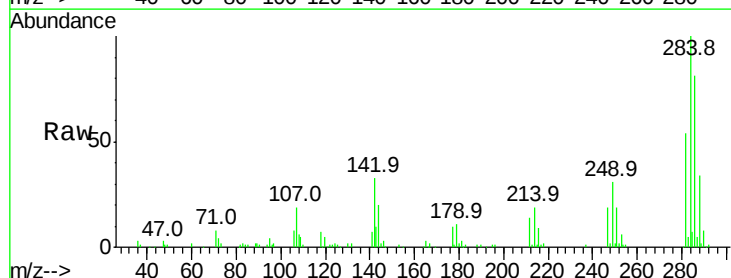
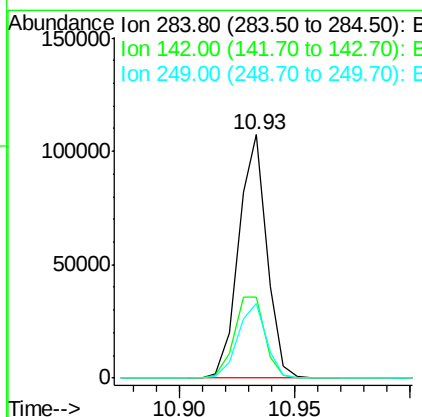
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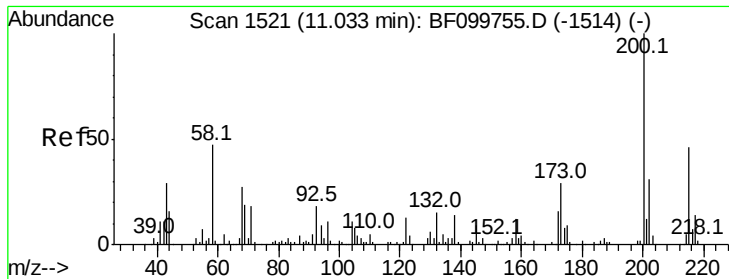
11/1/2017 2:37:58 PM



#67
Hexachlorobenzene
Concen: 29.348 ng
RT: 10.93 min Scan# 1504
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.4	34.6	52.0#
249	30.5	24.8	37.2





#68
Atrazine
Concen: 30.007 ng
RT: 11.02 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

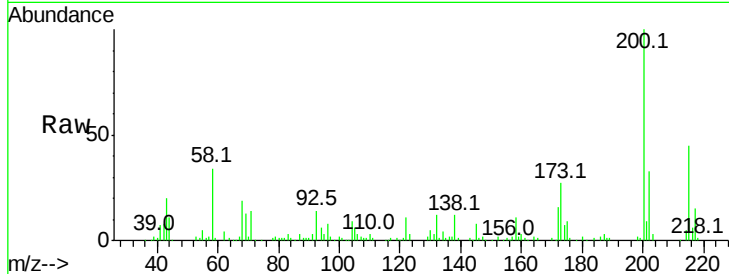
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.8	8.6	48.6
215	45.1	25.1	65.1

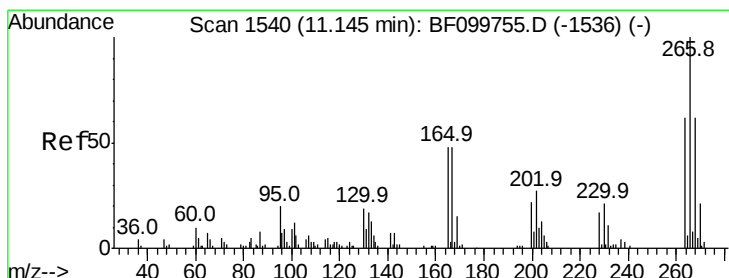
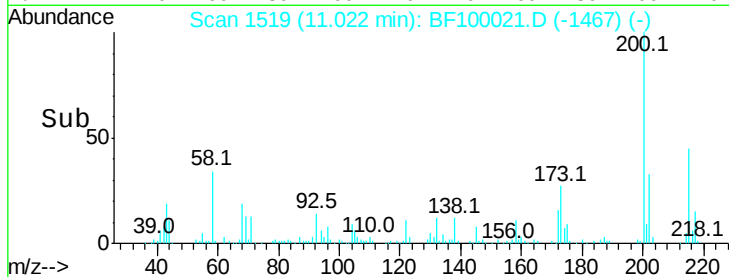
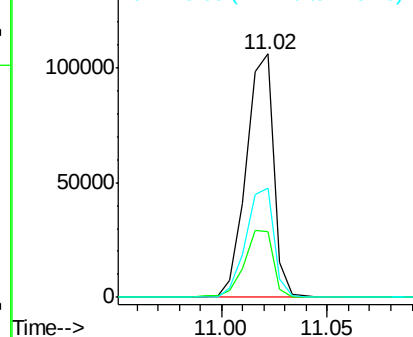
Manual Integrations
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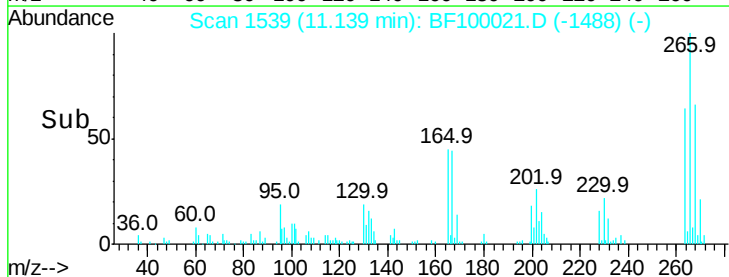
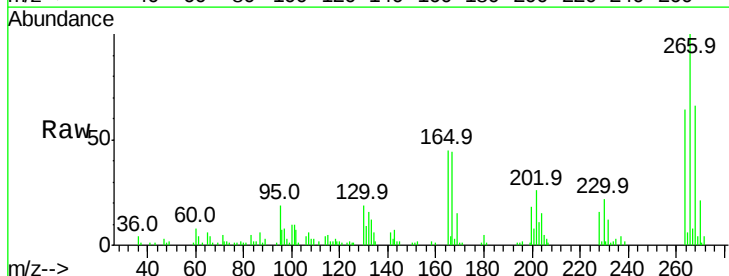
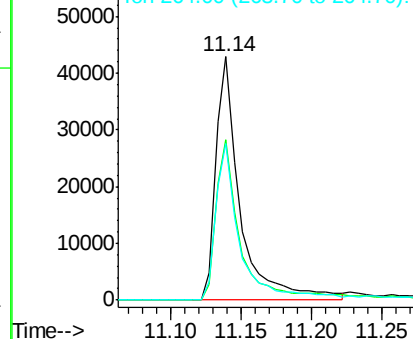
Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

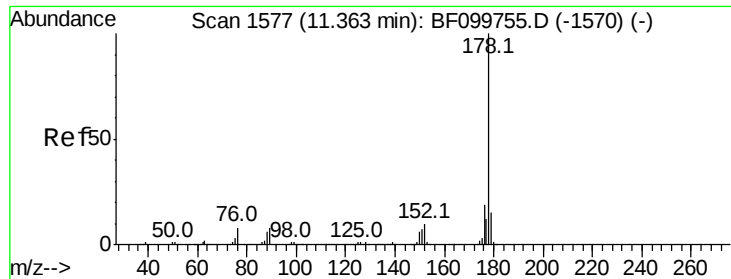


#69
Pentachlorophenol
Concen: 39.093 ng
RT: 11.14 min Scan# 1539
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.7	51.1	76.7
264	64.5	49.5	74.3

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





#70
Phenanthrene
Concen: 32.694 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

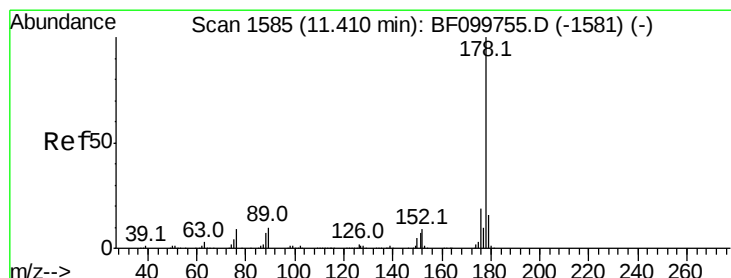
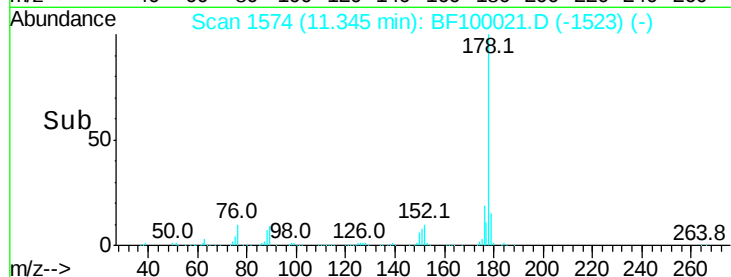
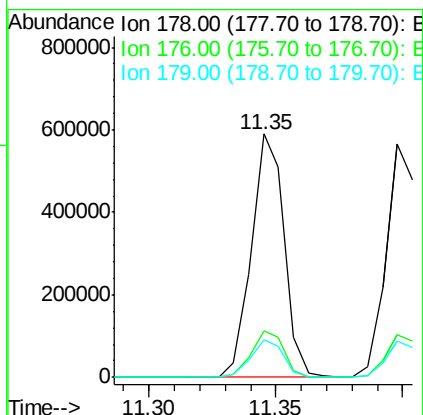
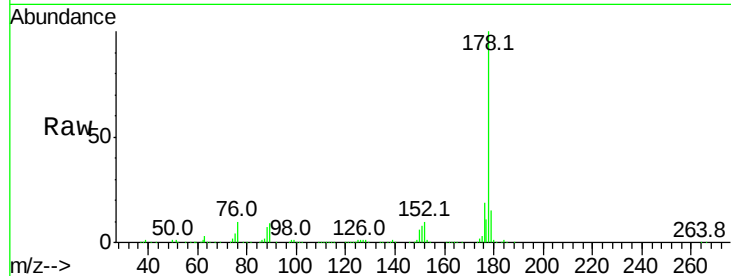
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.5	13.0	19.6

Manual Integrations
APPROVED

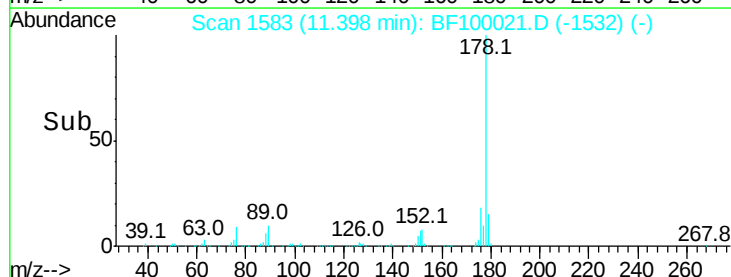
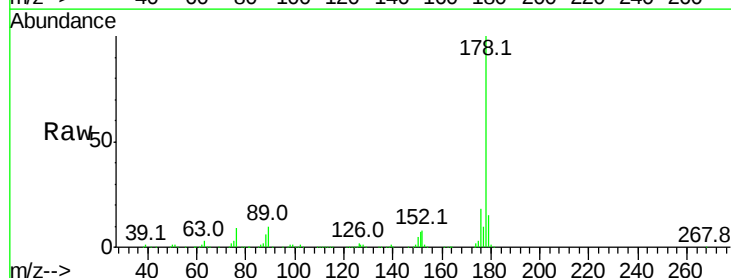
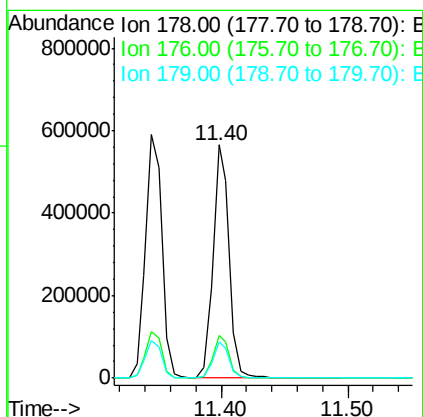
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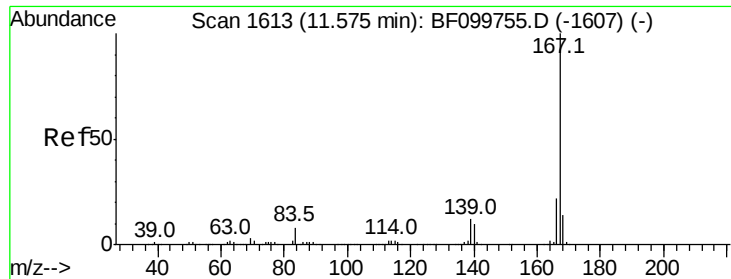
11/1/2017 2:37:58 PM



#71
Anthracene
Concen: 30.632 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

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





#72
 Carbazole
 Concen: 29.246 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.00 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

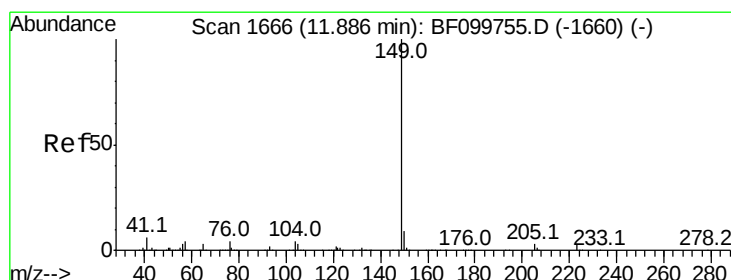
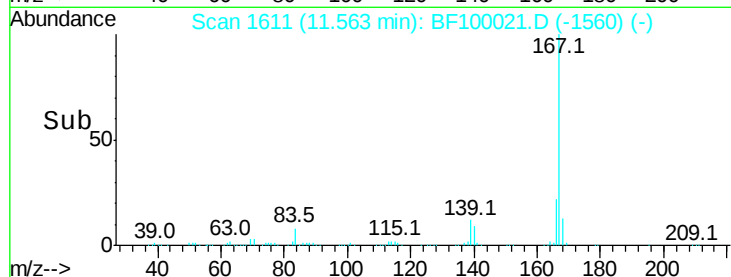
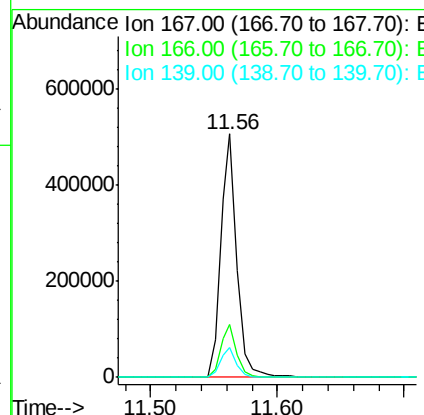
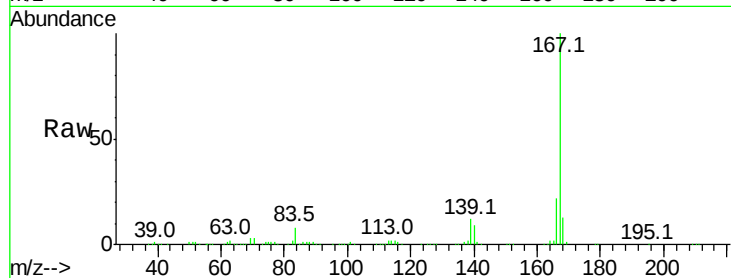
Instrument :
 BNA_F
 ClientSampleId :
 Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.6	26.4
139	12.2	10.9	16.3

Manual Integrations
 APPROVED

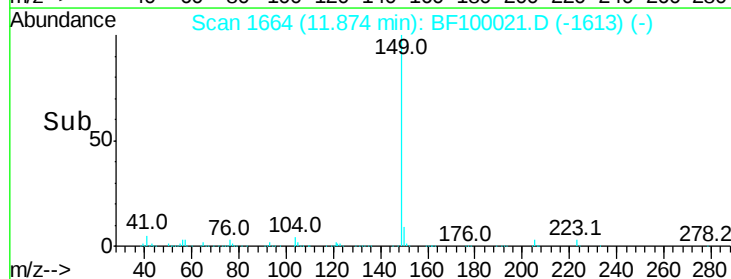
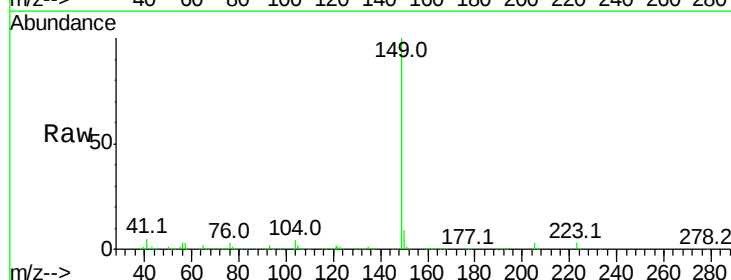
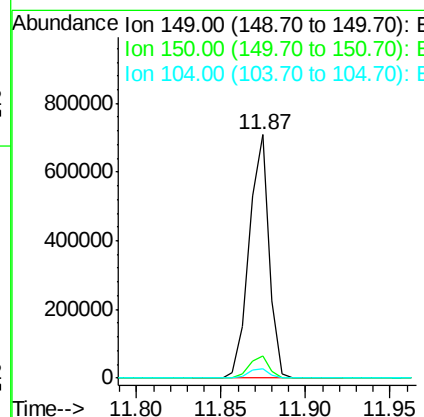
Sohil
 11/1/2017 2:37:58 PM

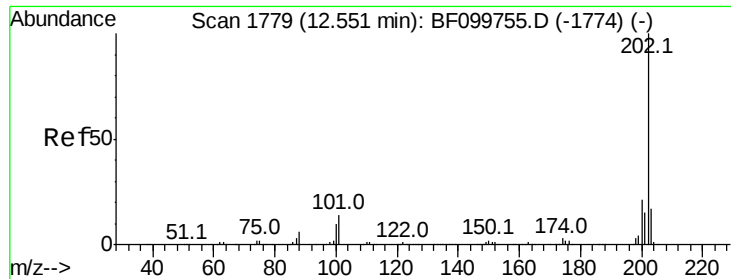
11/1/2017 2:37:58 PM



#73
 Di-n-butylphthalate
 Concen: 29.511 ng
 RT: 11.87 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: BF100021.D
 Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.8	11.6
104	4.0	3.8	5.8





#74

Fluoranthene

Concen: 30.248 ng

RT: 12.54 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

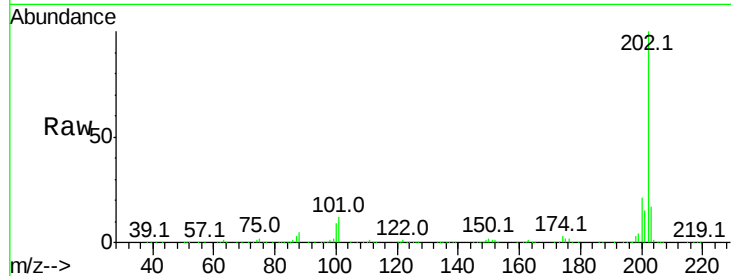
Q4-COMP-FILLMS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	509941		
101	11.9	0.0	34.1	
203	17.4	0.0	38.1	

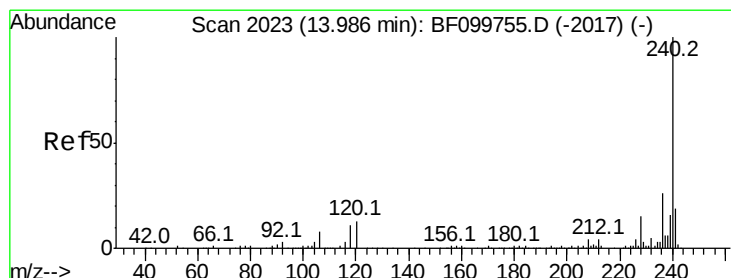
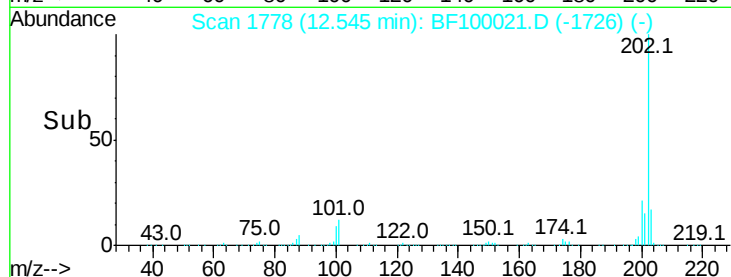
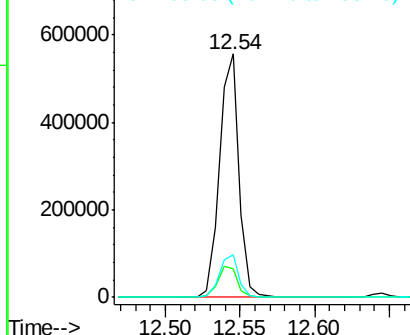
Manual Integrations
APPROVED

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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: 13.99 min Scan# 2023

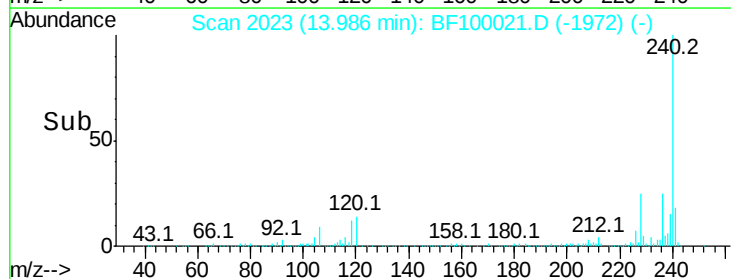
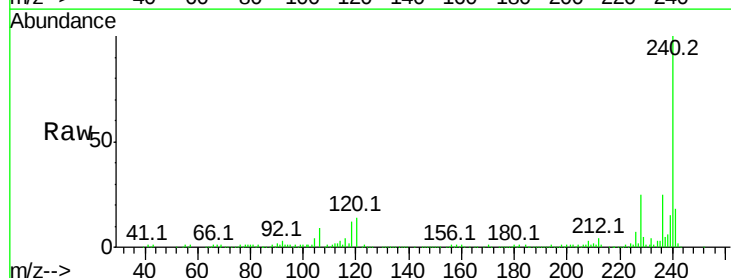
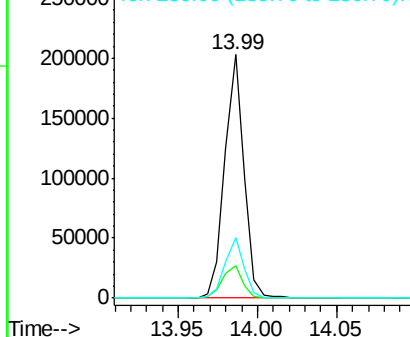
Delta R.T. 0.00 min

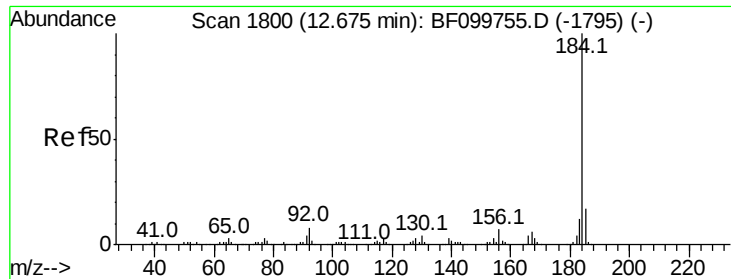
Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	170072		
120	13.5	9.5	14.3	
236	25.1	20.7	31.1	

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





#76

Benzidine

Concen: 17.239 ng

RT: 12.67 min Scan# 1799

Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

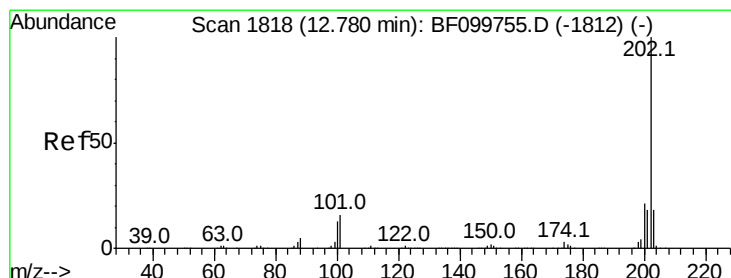
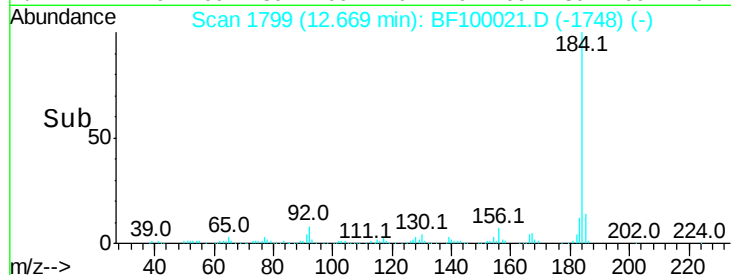
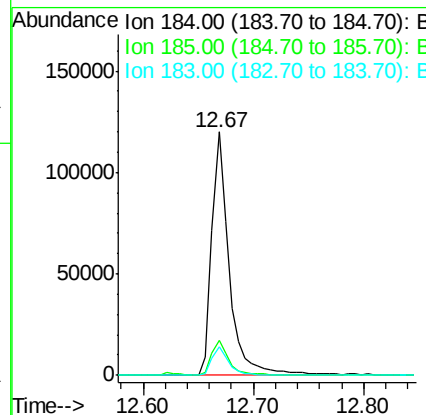
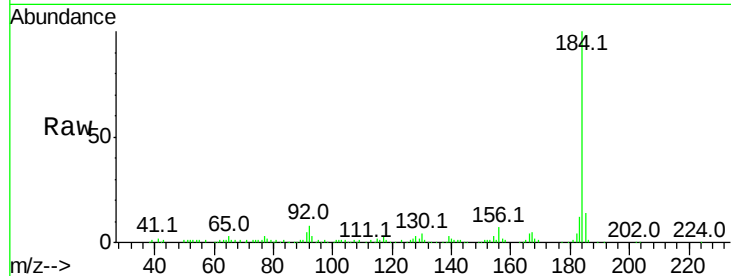
Q4-COMP-FILLMS

Tot Ion:	184	Resp:	128287
Ion Ratio	Lower	Upper	
184	100		
185	14.2	12.6	18.8
183	11.9	9.3	13.9

Manual Integrations
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Sohil
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#77

Pyrene

Concen: 37.876 ng

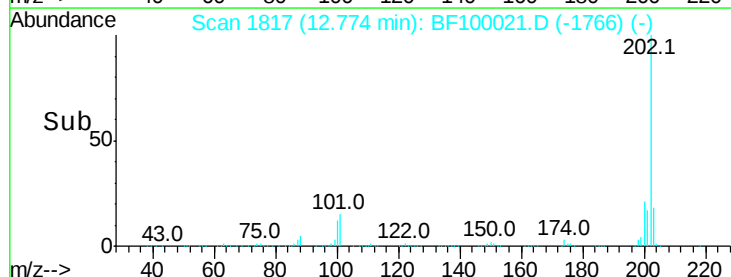
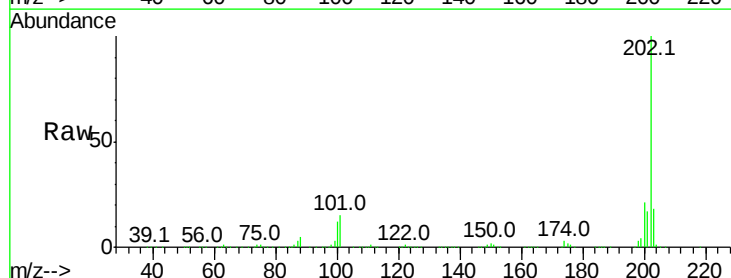
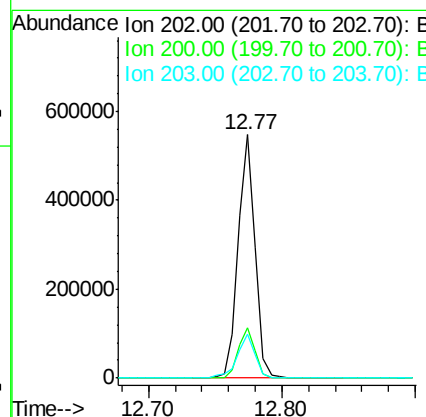
RT: 12.77 min Scan# 1817

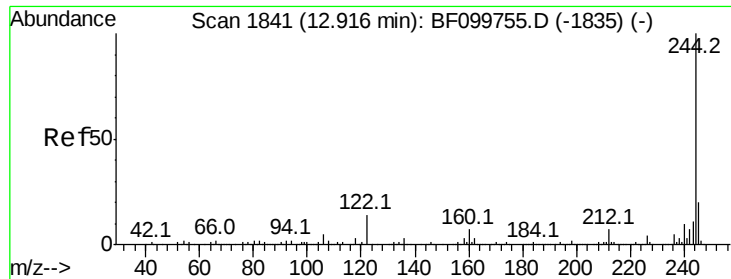
Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Tgt Ion:	202	Resp:	489822
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 66.135 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

Q4-COMP-FILLMS

Tot Ion:244 Resp: 514682

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

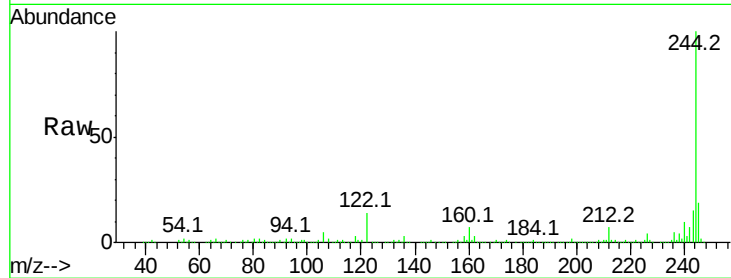
122 14.3 11.0 16.4

Manual Integrations
APPROVED

Sohil

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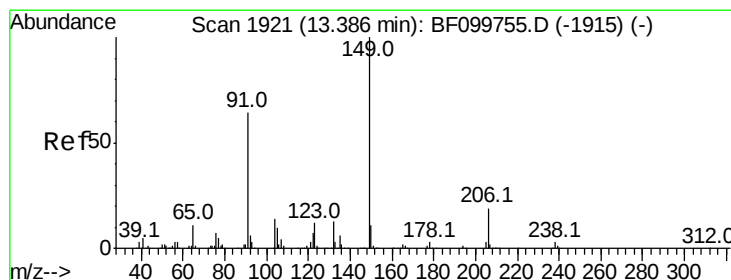
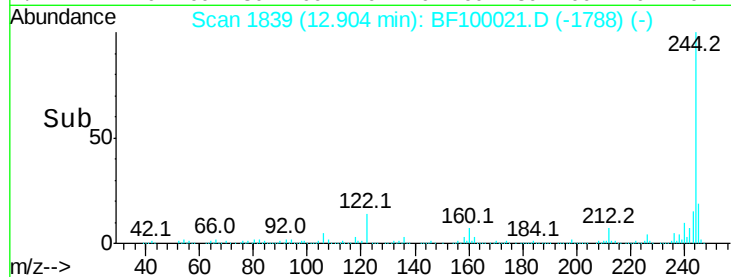
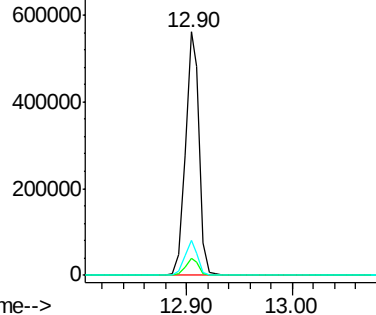
11/1/2017 2:37:58 PM



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: 32.753 ng

RT: 13.37 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

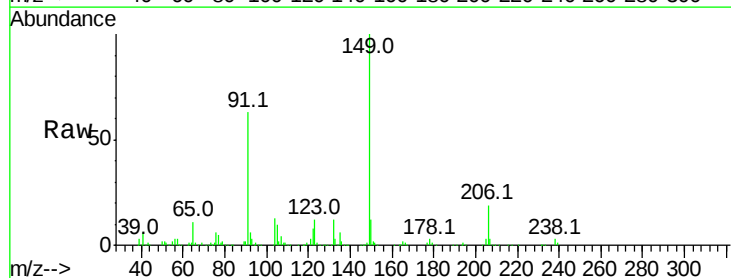
Tgt Ion:149 Resp: 208580

Ion Ratio Lower Upper

149 100

91 63.4 56.8 85.2

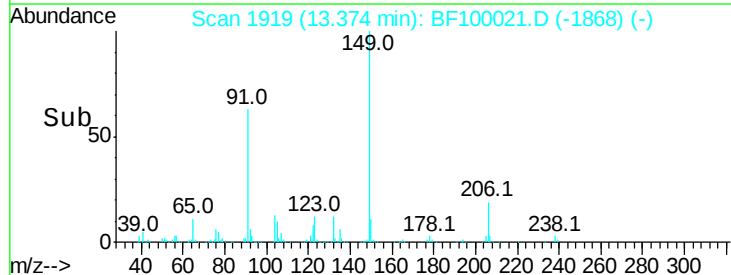
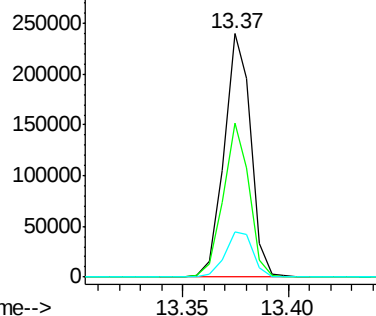
206 18.6 14.1 21.1

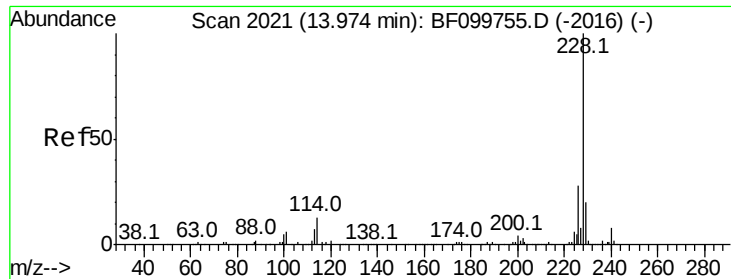


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80
Benzo(a)anthracene
Concen: 31.275 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

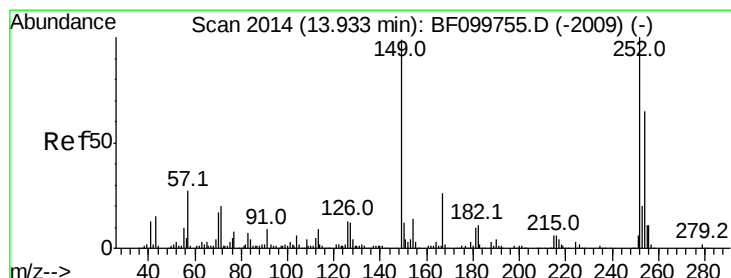
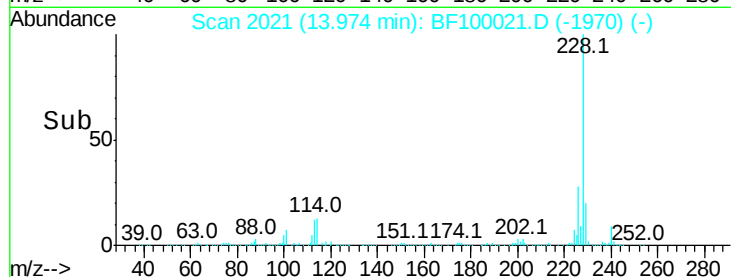
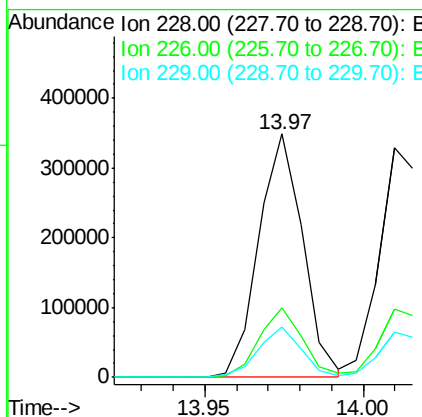
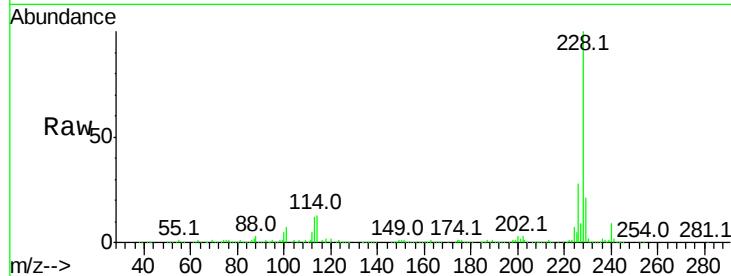
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.6	15.8	23.6

Manual Integrations
APPROVED

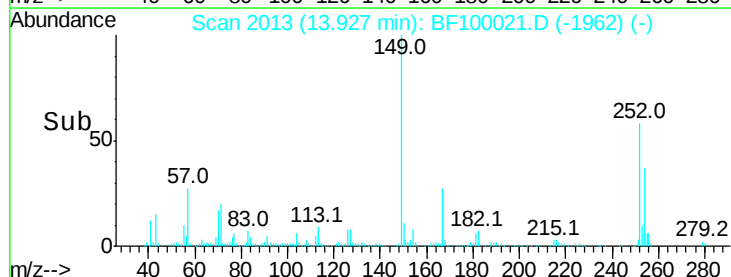
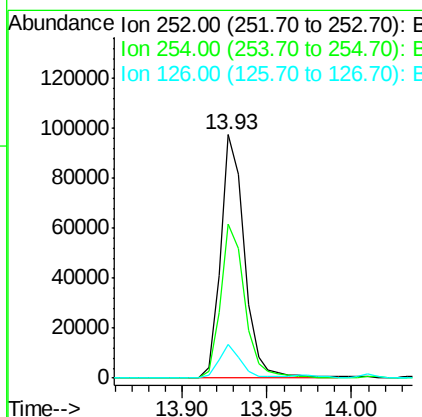
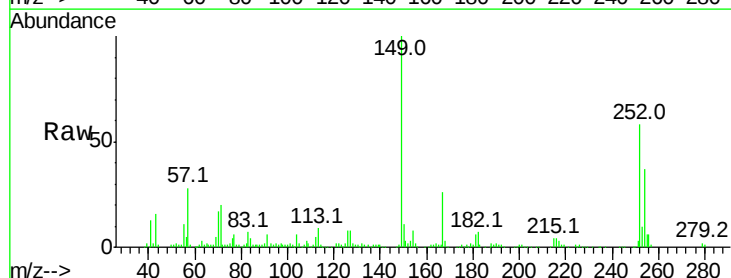
Sohil
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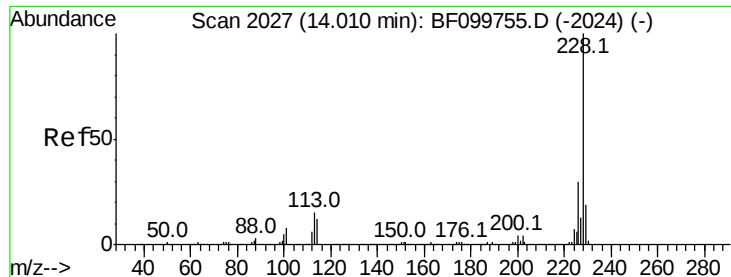
11/1/2017 2:37:58 PM



#81
3,3'-Dichlorobenzidine
Concen: 24.639 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.4	75.6
126	13.8	11.3	16.9





#82

Chrysene

Concen: 31.135 ng

RT: 14.01 min Scan# 207

Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

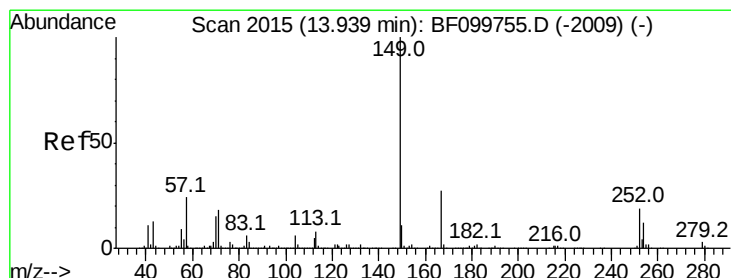
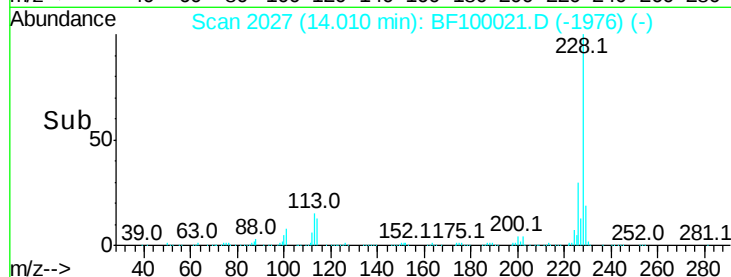
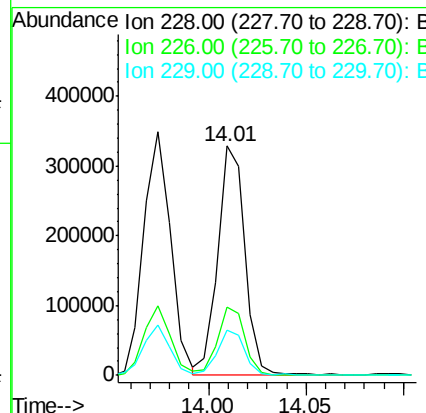
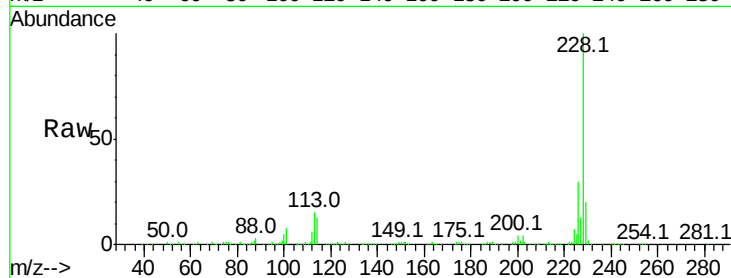
Q4-COMP-FILLMS

Tot Ion:	228	Resp:	315582
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.0	37.6
229	19.6	16.2	24.4

Manual Integrations
APPROVED

Sohil
11/1/2017 2:37:58 PM

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#83

Bis(2-ethylhexyl)phthalate

Concen: 32.426 ng

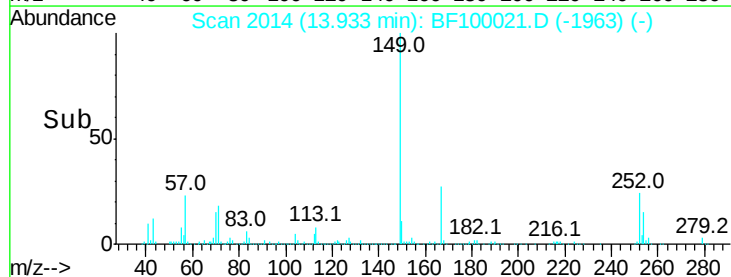
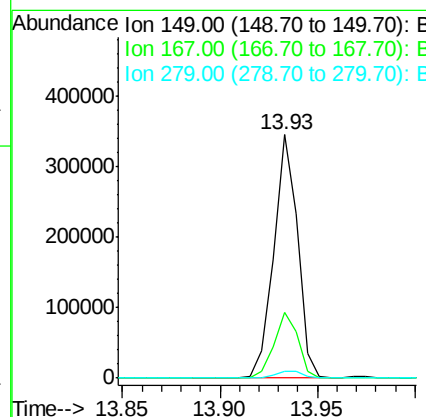
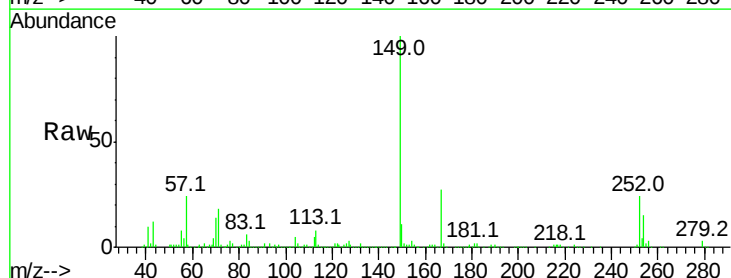
RT: 13.93 min Scan# 2014

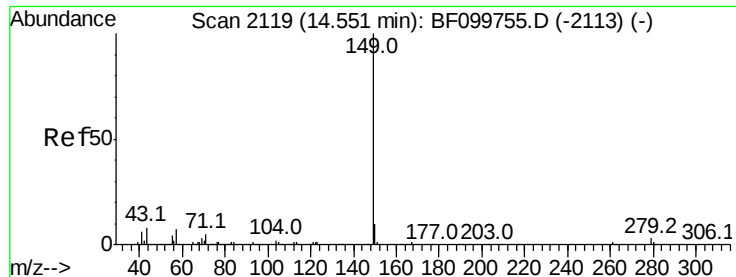
Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Tgt Ion:	149	Resp:	289981
Ion Ratio	Lower	Upper	
149	100		
167	27.1	21.3	31.9
279	3.0	3.0	4.4#





#84

Di-n-octyl phthalate

Concen: 28.579 ng

RT: 14.57 min Scan# 2122

Delta R.T. 0.00 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

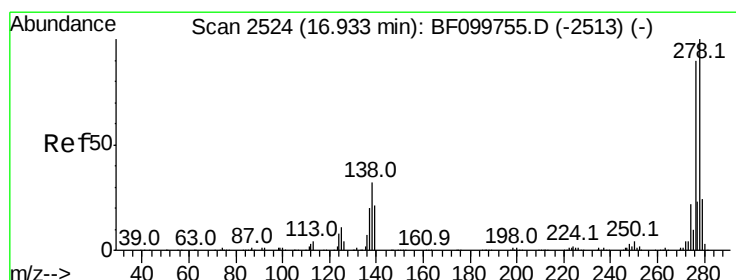
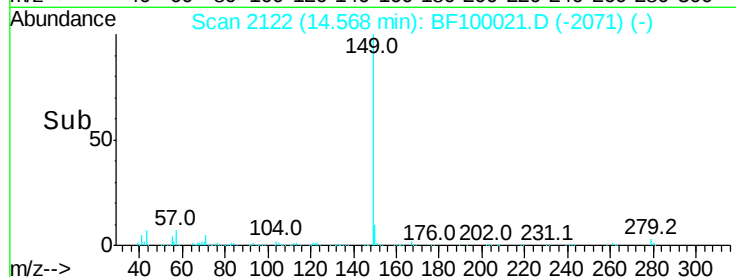
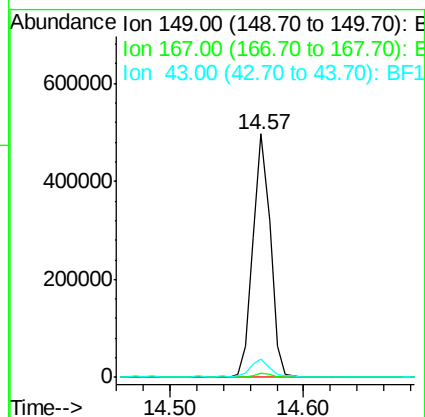
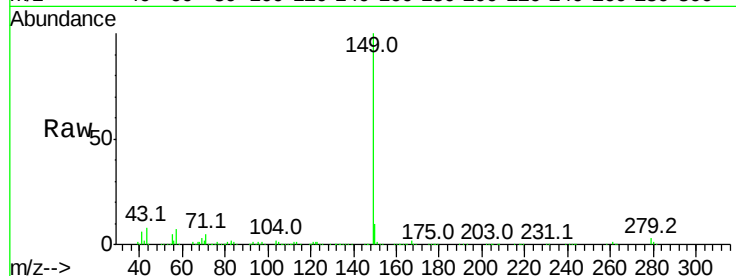
Q4-COMP-FILLMS

Tot Ion:	149	Resp:	438674
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.2	1.8
43	7.3	8.4	12.6#

Manual Integrations
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Sohil
11/1/2017 2:37:58 PM

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#85

Indeno(1,2,3-cd)pyrene

Concen: 34.326 ng

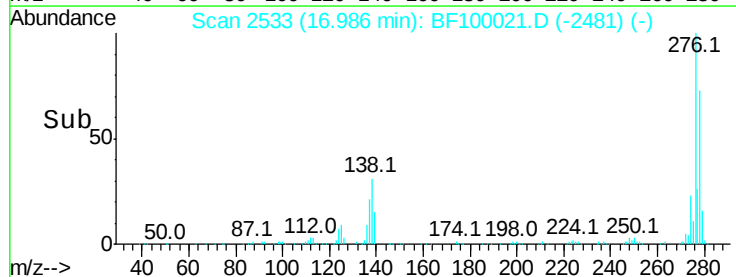
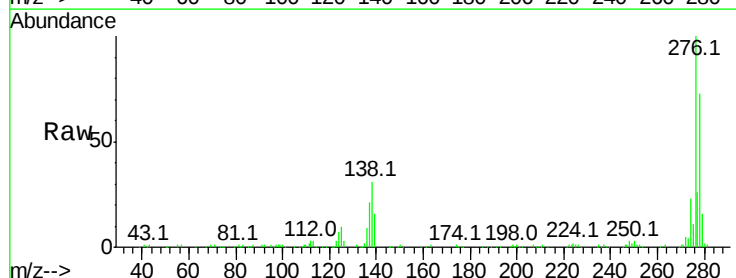
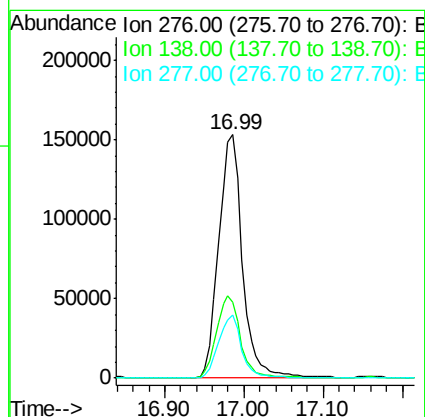
RT: 16.99 min Scan# 2533

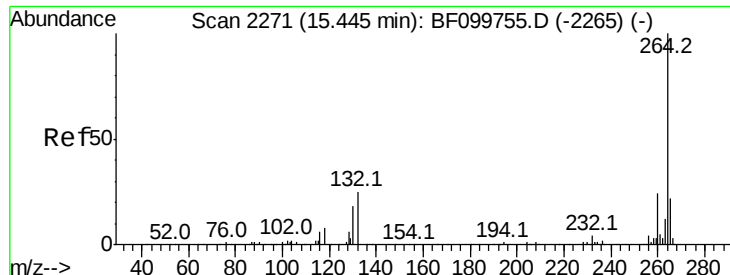
Delta R.T. 0.01 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Tgt Ion:	276	Resp:	319404
Ion Ratio	Lower	Upper	
276	100		
138	34.1	25.0	37.6
277	25.3	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

Instrument :

BNA_F

ClientSampleId :

Q4-COMP-FILLMS

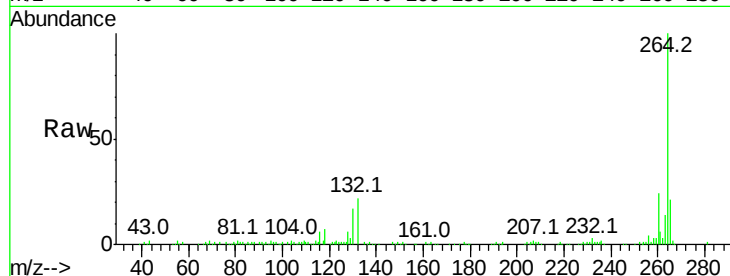
Tot Ion:	264	Resp:	170634
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	21.1	17.5	26.3

Manual Integrations
APPROVED

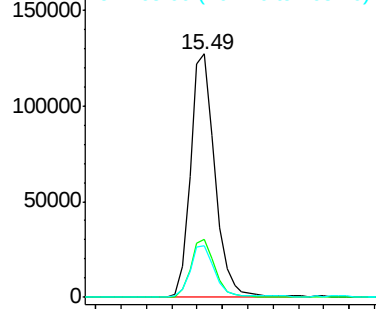
Sohil

11/1/2017 2:37:58 PM

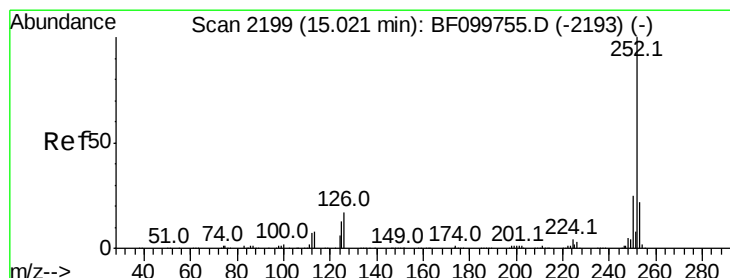
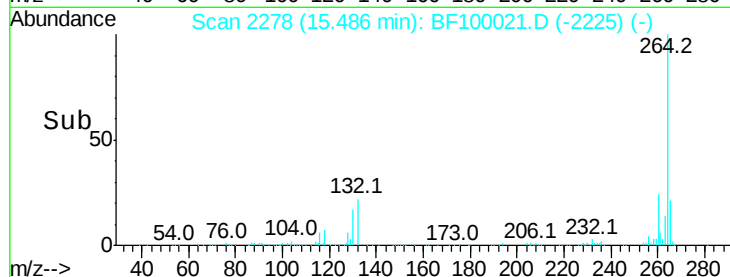
11/1/2017 2:37:58 PM



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



Time--> 15.40 15.50 15.60



#87

Benzo(b)fluoranthene

Concen: 30.958 ng

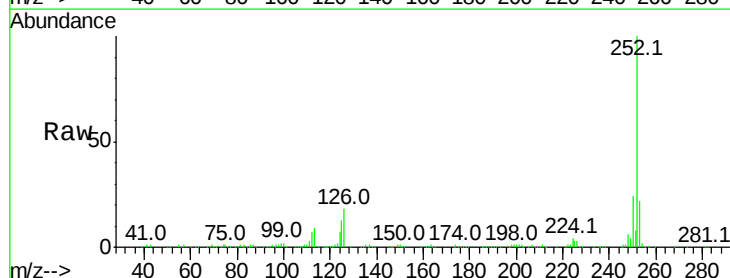
RT: 15.05 min Scan# 2204

Delta R.T. 0.00 min

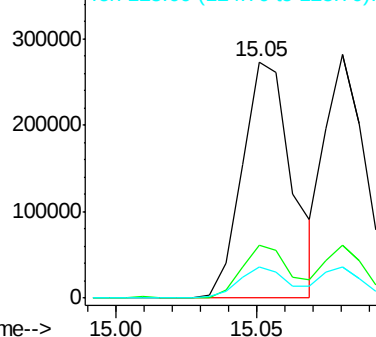
Lab File: BF100021.D

Acq: 31 Oct 2017 23:08

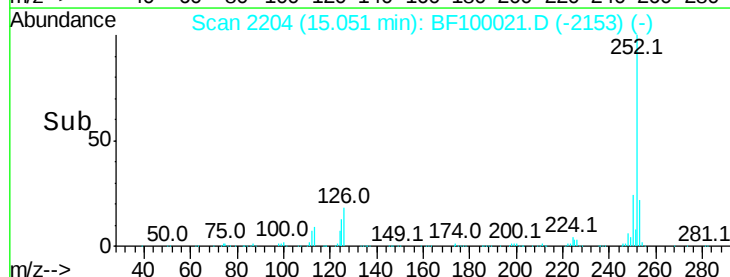
Tgt Ion:	252	Resp:	333565
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.0	25.6
125	13.1	9.0	13.6

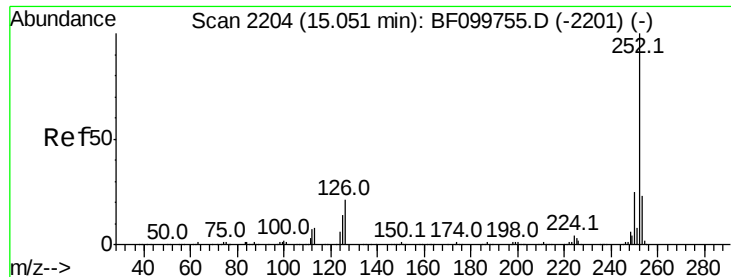


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 15.00 15.05 15.10





#88
Benzo(k)fluoranthene
Concen: 28.110 ng
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

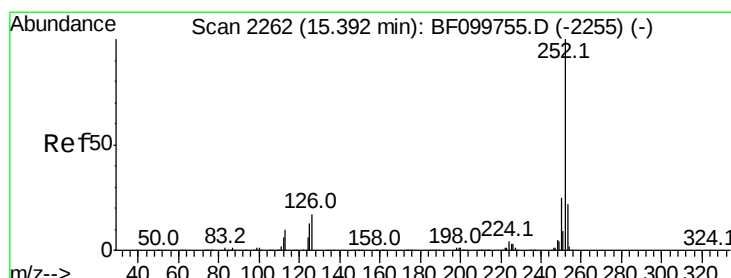
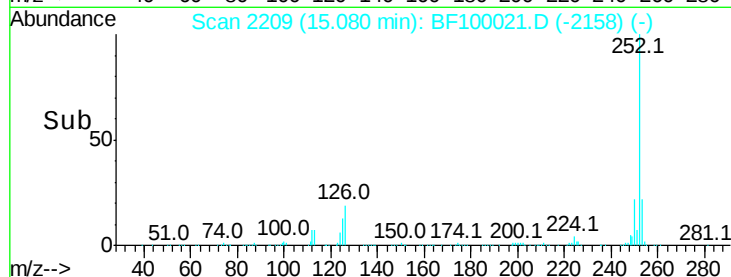
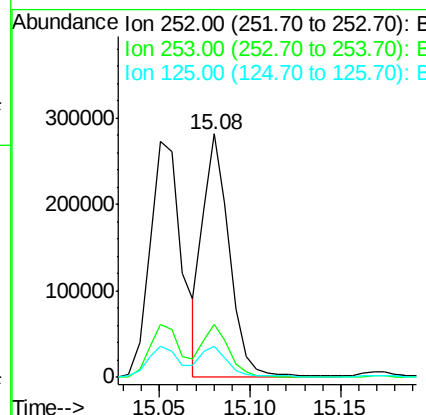
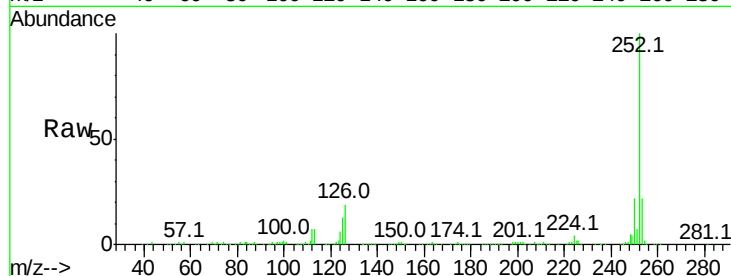
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	12.8	10.2	15.2

Manual Integrations
APPROVED

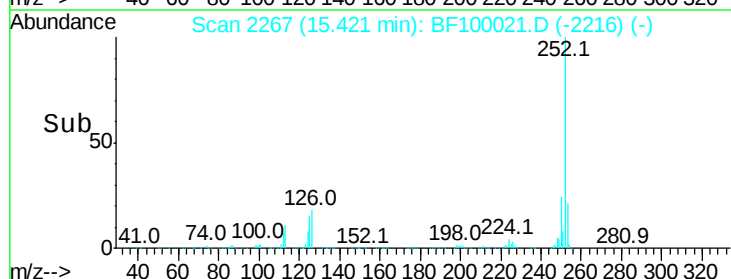
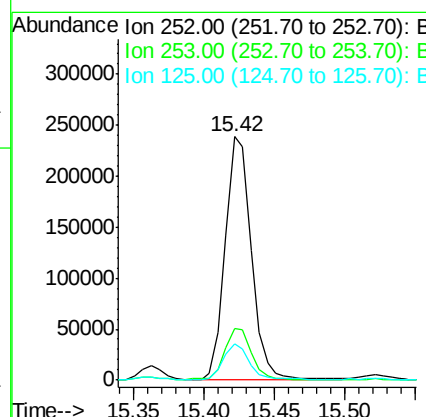
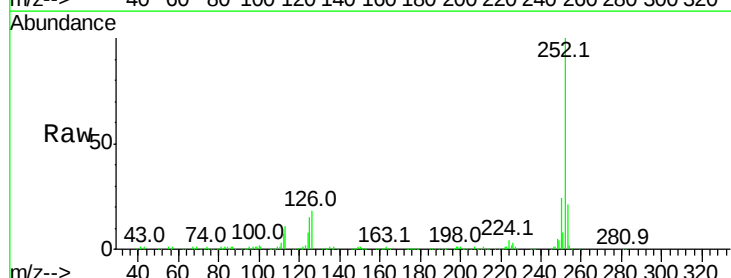
Sohil
11/1/2017 2:37:58 PM

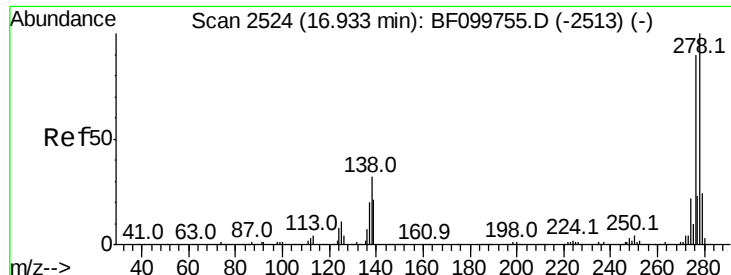
11/1/2017 2:37:58 PM



#89
Benzo(a)pyrene
Concen: 31.705 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.1	25.7
125	15.1	9.8	14.6#





#90
Dibenzo(a,h)anthracene
Concen: 30.622 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.01 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

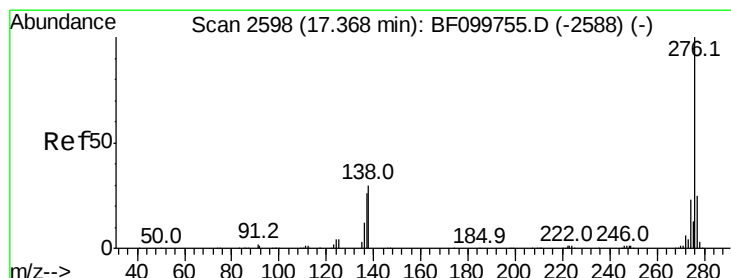
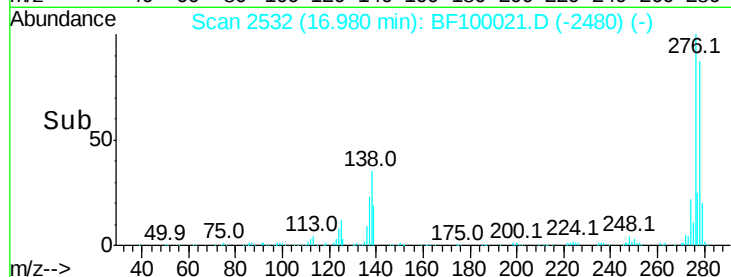
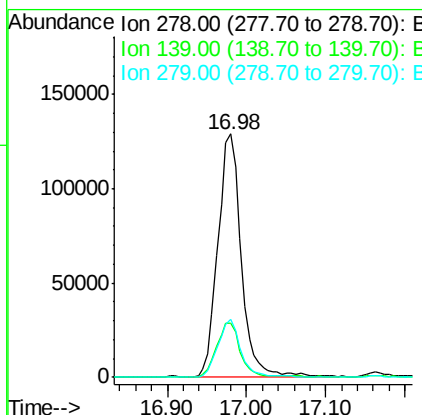
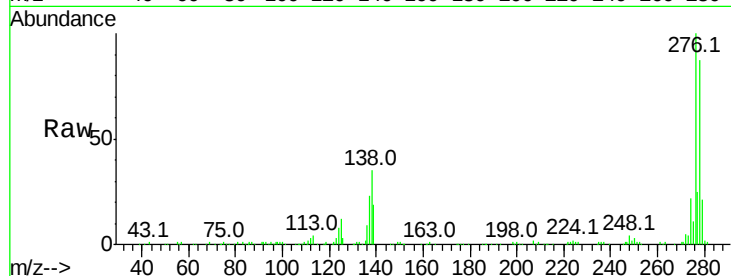
Instrument :
BNA_F
ClientSampleId :
Q4-COMP-FILLMS

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.4	15.9	23.9
279	23.8	19.0	28.4

Manual Integrations
APPROVED

Sohil
11/1/2017 2:37:58 PM

11/1/2017 2:37:58 PM



#91
Benzo(g,h,i)perylene
Concen: 30.903 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.01 min
Lab File: BF100021.D
Acq: 31 Oct 2017 23:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.9	26.9
138	31.0	21.8	32.8

