

Data Path : V:\HPCHEM1\BNA F\DATA\BF112115\
 Data File : BF083149.D
 Acq On : 22 Nov 2015 10:24
 Operator : UM/IZ
 Sample : G4510-09MSD
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-14A-111815MSD

Manual Integrations
 APPROVED

Mmdadoda
 11/23/2015 7:01:51 PM

Quant Time: Nov 23 16:17:55 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	205498	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	794943	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	403619	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	707143	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	548541	20.00	ng	-0.01
86) Perylene-d12	15.15	264	478918	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1186543	87.29	ng	-0.01
7) Phenol-d6	6.32	99	989210	56.25	ng	-0.02
23) Nitrobenzene-d5	7.23	82	1681991	96.68	ng	0.00
41) 2,4,6-Tribromophenol	10.48	330	498699	120.77	ng	-0.01
44) 2-Fluorobiphenyl	9.03	172	2576255	89.01	ng	0.00
78) Terphenyl-d14	12.75	244	2184314	93.77	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.18	88	108056	16.05	ng	97
3) Pyridine	3.58	79	75335m	4.24	ng	
4) n-Nitrosodimethylamine	2.79	42	130206	15.87	ng	# 99
8) 2-Chlorophenol	6.44	128	658411	44.83	ng	97
9) Benzaldehyde	6.19	77	568889	Below	Cal	95
10) Phenol	6.33	94	396155	18.62	ng	# 77
11) bis(2-Chloroethyl)ether	6.40	93	777775	51.20	ng	99
12) 1,3-Dichlorobenzene	6.59	146	682722m	40.72	ng	
13) 1,4-Dichlorobenzene	6.67	146	694643	40.95	ng	93
14) 1,2-Dichlorobenzene	6.82	146	623072	40.42	ng	96
15) Benzyl Alcohol	6.82	79	392415	26.70	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.95	45	1151872	48.62	ng	86
17) 2-Methylphenol	6.95	107	791588	65.14	ng	# 69
18) Hexachloroethane	7.16	117	252535	42.27	ng	# 87
19) n-Nitroso-di-n-propylamine	7.10	70	609315	49.78	ng	# 93
20) 3+4-Methylphenols	7.10	107	581712	37.87	ng	93
22) Acetophenone	7.07	105	1044654	45.77	ng	# 98
24) Nitrobenzene	7.24	77	798077	42.93	ng	99
25) Isophorone	7.50	82	1585568	48.14	ng	99
26) 2-Nitrophenol	7.56	139	384054	46.80	ng	94
27) 2,4-Dimethylphenol	7.62	122	606736	46.33	ng	97
28) bis(2-Chloroethoxy)methane	7.71	93	945126	49.35	ng	98
29) 2,4-Dichlorophenol	7.82	162	612365	49.16	ng	99
30) 1,2,4-Trichlorobenzene	7.88	180	593707	43.39	ng	95
31) Naphthalene	7.96	128	1976586	46.07	ng	98
32) Benzoic acid	7.75	122	143724	14.12	ng	97
33) 4-Chloroaniline	8.03	127	64941	3.90	ng	96
34) Hexachlorobutadiene	8.09	225	345526	42.73	ng	99
35) Caprolactam	8.44	113	24575	6.16	ng	94
36) 4-Chloro-3-methylphenol	8.51	107	621771	43.09	ng	# 86
37) 2-Methylnaphthalene	8.65	142	1282519	46.06	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.82	216	578759	44.24	ng	98
40) Hexachlorocyclopentadiene	8.81	237	433170	58.23	ng	98
42) 2,4,6-Trichlorophenol	8.94	196	418551	44.67	ng	99

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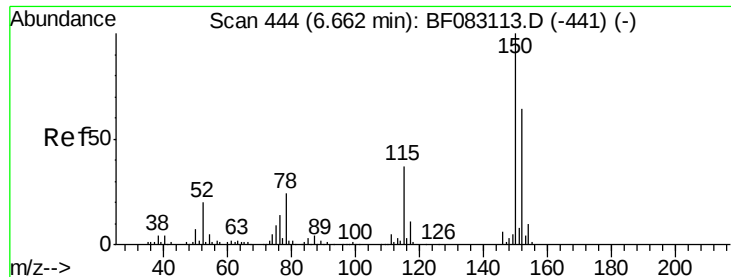
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.98	196	452255	47.21	nq	# 87
45) 1,1'-Biphenyl	9.12	154	1441328	41.96	nq	96
46) 2-Chloronaphthalene	9.14	162	1253890	46.47	nq	96
47) 2-Nitroaniline	9.24	65	435630	45.64	nq	97
48) Acenaphthylene	9.55	152	1751400	41.88	nq	98
49) Dimethylphthalate	9.44	163	1527790	49.17	nq	100
50) 2,6-Dinitrotoluene	9.50	165	337011	48.33	nq	# 55
51) Acenaphthene	9.72	154	1133198	44.53	nq	100
52) 3-Nitroaniline	9.66	138	50164	6.75	nq	# 58
53) 2,4-Dinitrophenol	9.76	184	353400	87.98	nq	# 84
54) Dibenzofuran	9.90	168	1585098	44.05	nq	95
55) 4-Nitrophenol	9.85	139	210630	36.95	nq	# 75
56) 2,4-Dinitrotoluene	9.88	165	413057	46.76	nq	98
57) Fluorene	10.24	166	1358245	45.68	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.02	232	376385	47.90	nq	99
59) Diethylphthalate	10.14	149	1476163	47.72	nq	99
60) 4-Chlorophenyl-phenylether	10.24	204	616335	45.25	nq	# 80
61) 4-Nitroaniline	10.27	138	125542	17.15	nq	95
62) Azobenzene	10.39	77	1605270	45.47	nq	97
64) 4,6-Dinitro-2-methylphenol	10.30	198	247459	50.79	nq	89
65) n-Nitrosodiphenylamine	10.35	169	896269	37.27	nq	99
66) 4-Bromophenyl-phenylether	10.72	248	385858	49.17	nq	# 89
67) Hexachlorobenzene	10.79	284	418515	48.43	nq	# 80
68) Atrazine	10.90	200	367558	52.63	nq	94
69) Pentachlorophenol	10.98	266	513150	91.17	nq	98
70) Phenanthrene	11.19	178	1860192	45.66	nq	99
71) Anthracene	11.25	178	2049107	49.30	nq	99
72) Carbazole	11.41	167	1742734	47.17	nq	98
73) Di-n-butylphthalate	11.75	149	2280401	50.57	nq	99
74) Fluoranthene	12.38	202	2005465	48.10	nq	94
77) Pyrene	12.59	202	1878153	50.12	nq	99
79) Butylbenzylphthalate	13.23	149	999638	56.36	nq	97
80) Benzo(a)anthracene	13.78	228	1802843	53.14	nq	100
82) Chrysene	13.82	228	1346365	42.79	nq	99
83) Bis(2-ethylhexyl)phthalate	13.79	149	1265346	54.62	nq	98
84) Di-n-octyl phthalate	14.40	149	2112719	52.98	nq	97
85) Indeno(1,2,3-cd)pyrene	16.42	276	1456651	50.90	nq	97
87) Benzo(b)fluoranthene	14.79	252	1713711m	52.37	nq	
88) Benzo(k)fluoranthene	14.81	252	1065862m	43.72	nq	
89) Benzo(a)pyrene	15.10	252	1292884	47.86	nq	# 94
90) Dibenzo(a,h)anthracene	16.43	278	1234297	50.29	nq	# 96
91) Benzo(g,h,i)perylene	16.80	276	1211638	50.57	nq	# 95

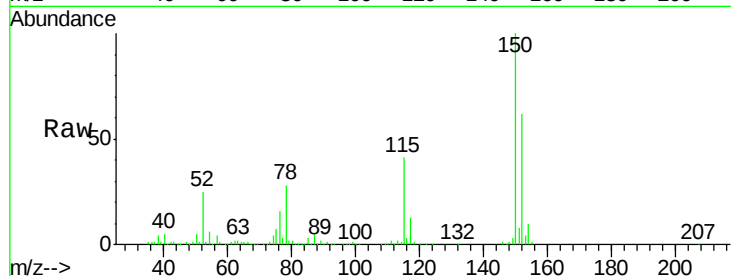
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.65 min Scan# 408
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

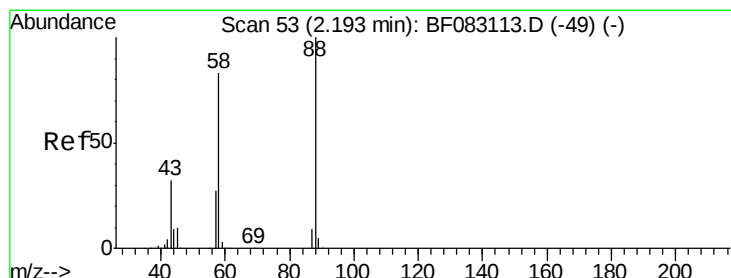
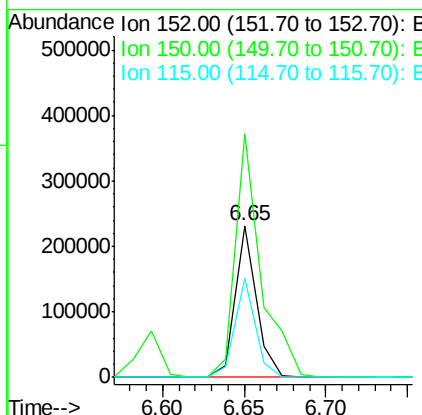
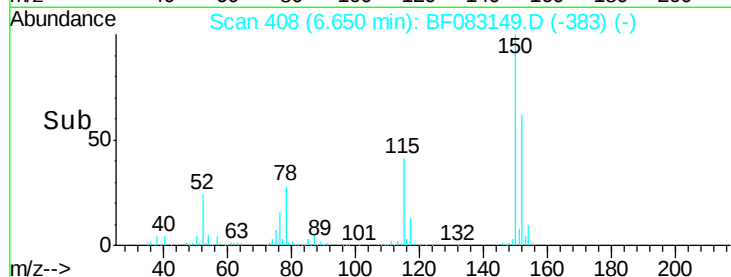
Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD



Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	125.8	188.8
115	65.5	46.9	70.3

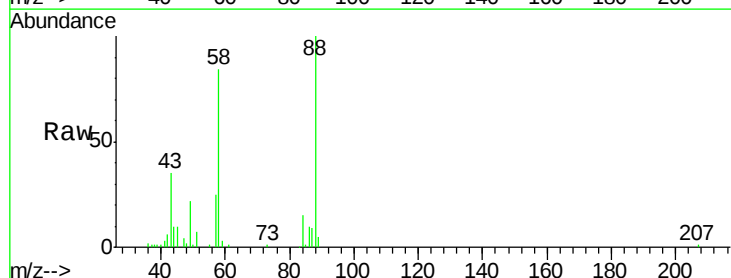
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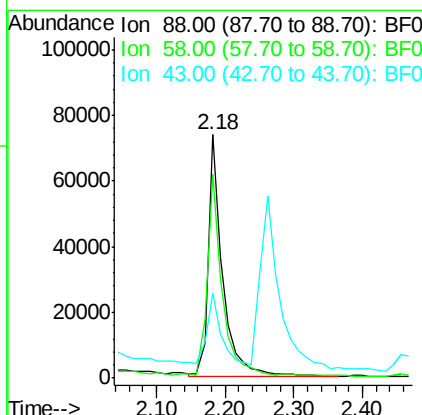
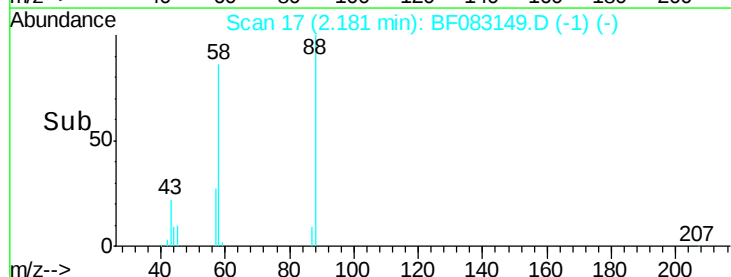


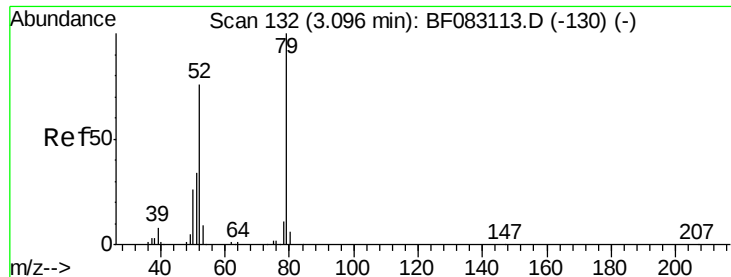
#2

1,4-Dioxane
Concen: 16.05 ng
RT: 2.18 min Scan# 17
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24



Tgt Ion	Ratio	Lower	Upper
88	100		
58	82.7	65.0	97.6
43	27.7	24.7	37.1





#3

Pvridine

Concen: 4.24 ng/ml

RT: 3.58 min Scan# 139

Delta R.T. 0.48 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

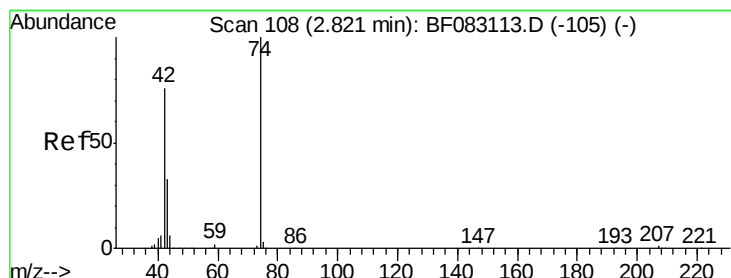
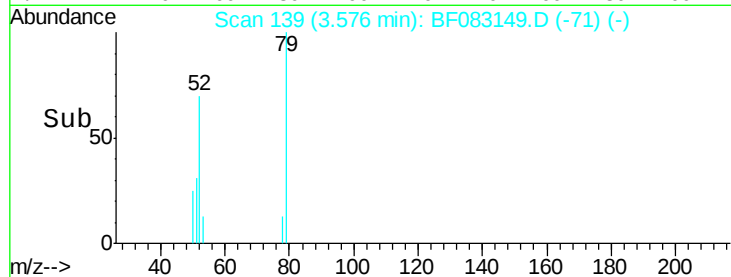
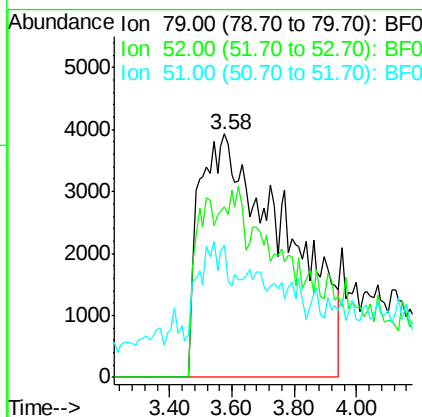
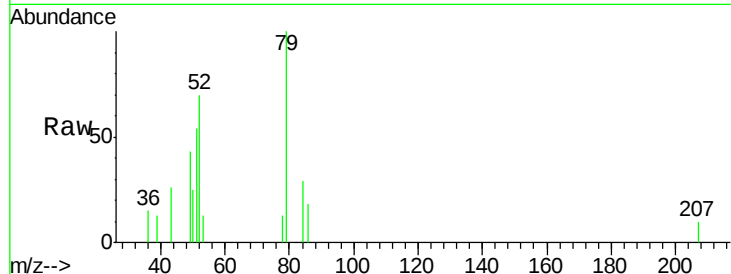
ClientSampleId :

MW-14A-111815MSD

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Tot Ion:	79	Resp:	75335
Ion Ratio	Lower	Upper	
79	100		
52	69.9	60.7	91.1
51	54.2	27.9	41.9#



#4

n-Nitrosodimethylamine

Concen: 15.87 ng

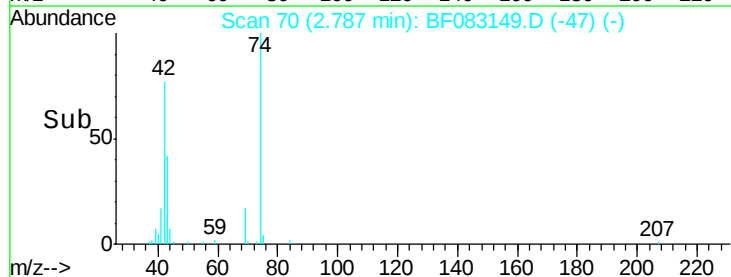
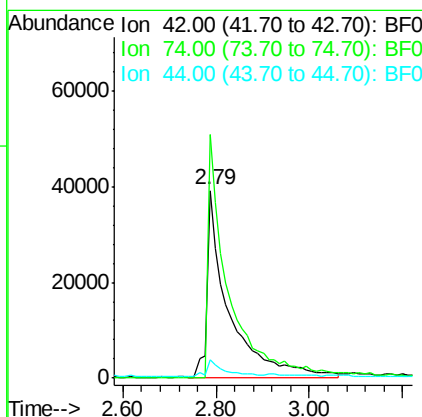
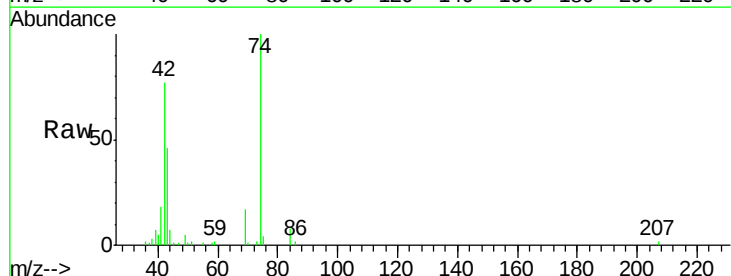
RT: 2.79 min Scan# 70

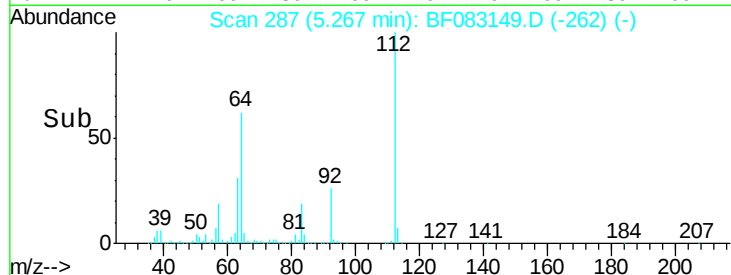
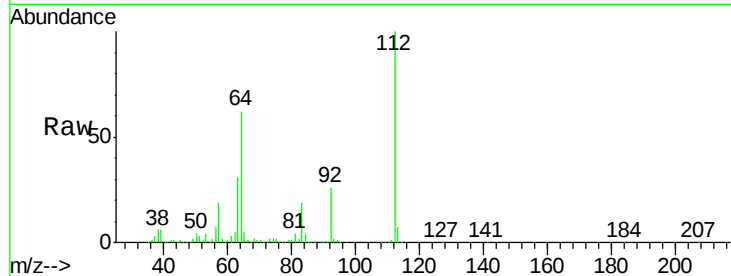
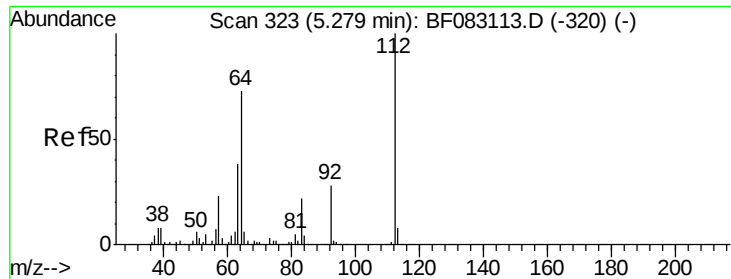
Delta R.T. -0.03 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Tgt Ion:	42	Resp:	130206
Ion Ratio	Lower	Upper	
42	100		
74	129.9	104.8	157.2
44	9.7	6.2	9.4#





#5

2-Fluorophenol

Concen: 87.29 ng

RT: 5.27 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Tot Ion:	112	Resp:	1186543
Ion Ratio	Lower	Upper	
112	100		
64	62.2	58.4	87.6
63	31.0	30.0	45.0

Instrument :

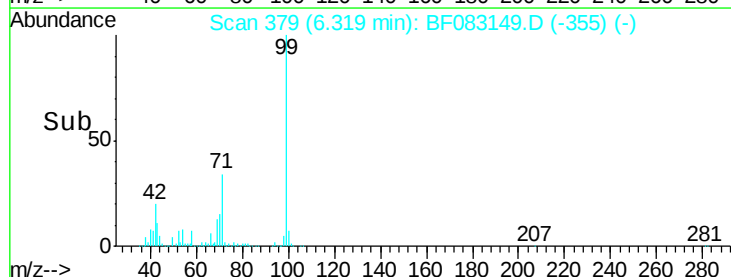
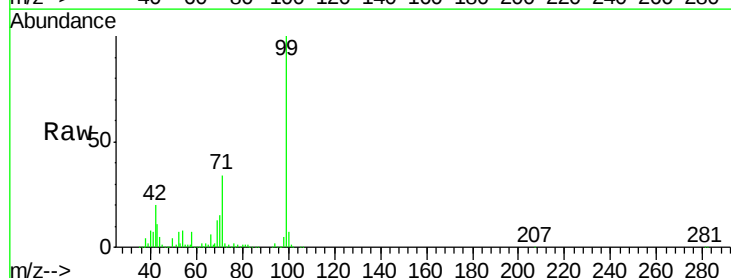
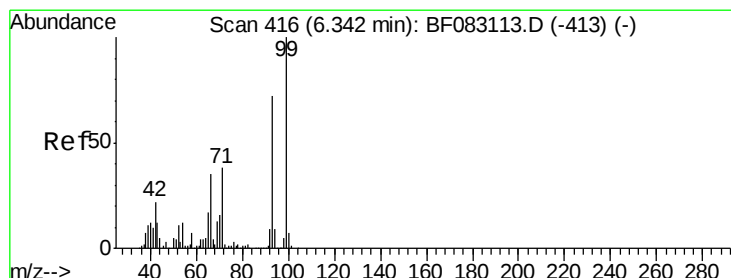
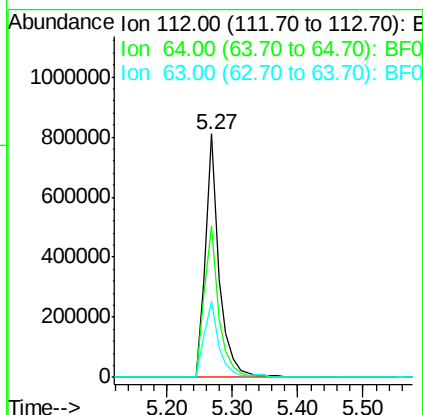
BNA_F

ClientSampleId :

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#7

Phenol-d6

Concen: 56.25 ng

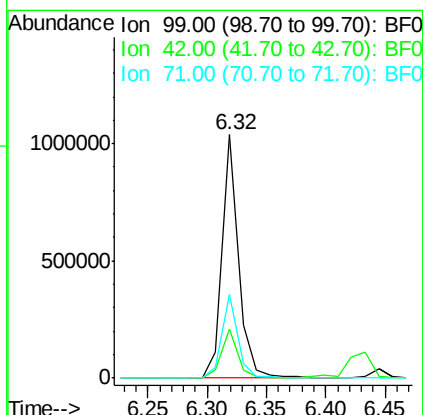
RT: 6.32 min Scan# 379

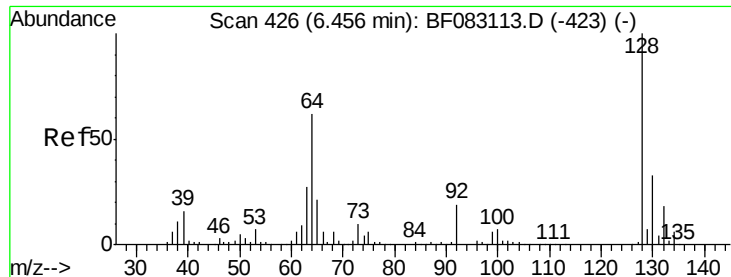
Delta R.T. -0.02 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Tgt Ion:	99	Resp:	989210
Ion Ratio	Lower	Upper	
99	100		
42	20.1	17.7	26.5
71	34.4	30.2	45.4





#8

2-Chlorophenol

Concen: 44.83 ng

RT: 6.44 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

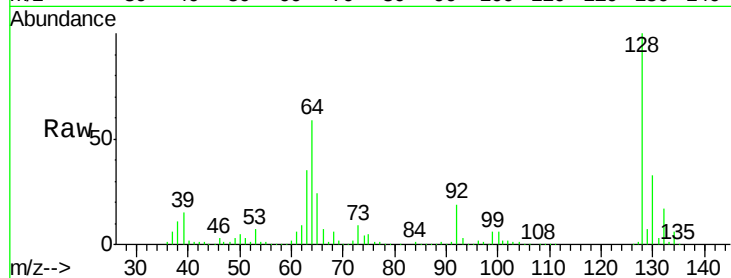
ClientSampleId :

MW-14A-111815MSD

Tot Ion:	128	Resp:	658411
Ion Ratio	Lower	Upper	
128	100		
130	32.8	12.6	52.6
64	59.0	41.9	81.9

Manual Integrations
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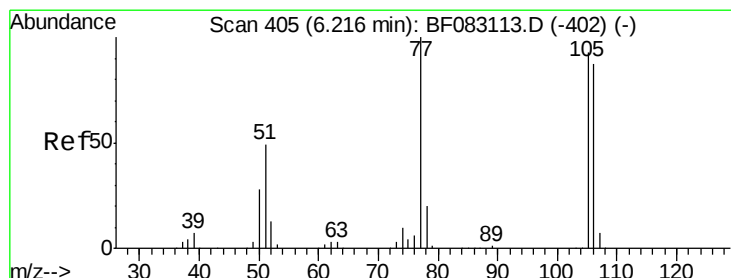
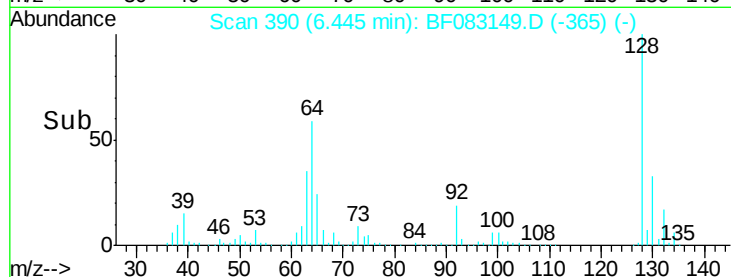
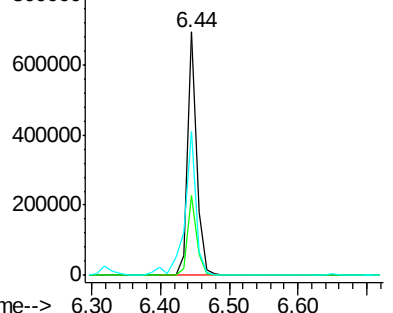
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: Below Cal

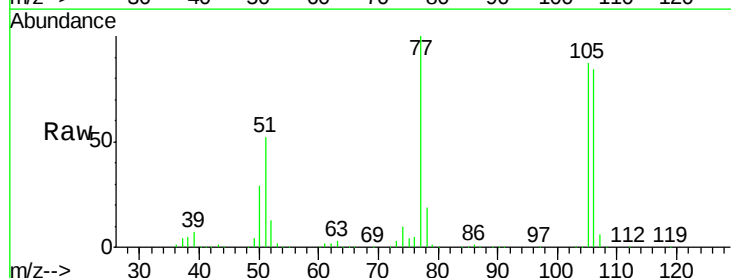
RT: 6.19 min Scan# 368

Delta R.T. -0.02 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

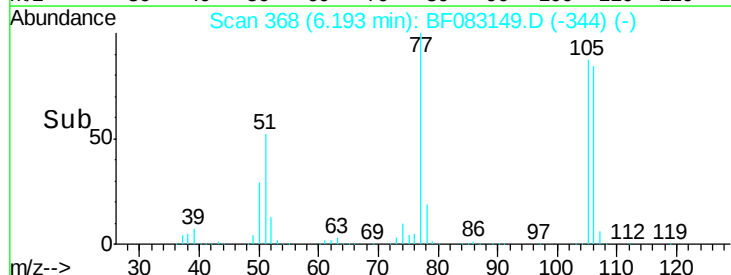
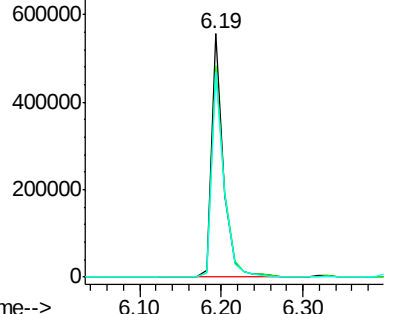
Tgt Ion:	77	Resp:	568889
Ion Ratio	Lower	Upper	
77	100		
105	87.1	73.4	113.4
106	84.5	67.5	107.5

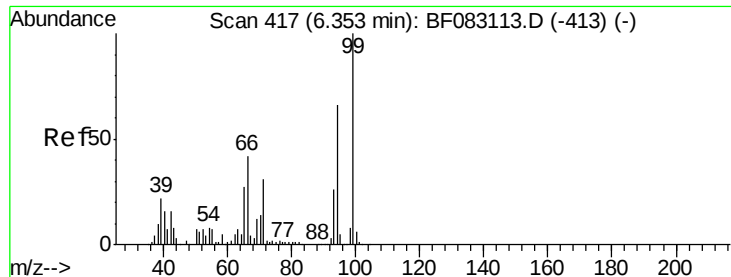


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 18.62 ng

RT: 6.33 min Scan# 380

Delta R.T. -0.02 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

ClientSampleId :

MW-14A-111815MSD

Tot Ion: 94 Resp: 396155

Ion Ratio Lower Upper

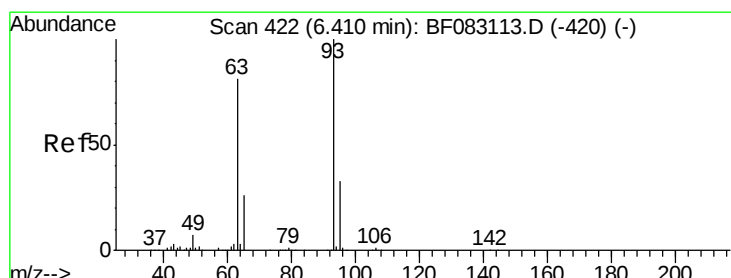
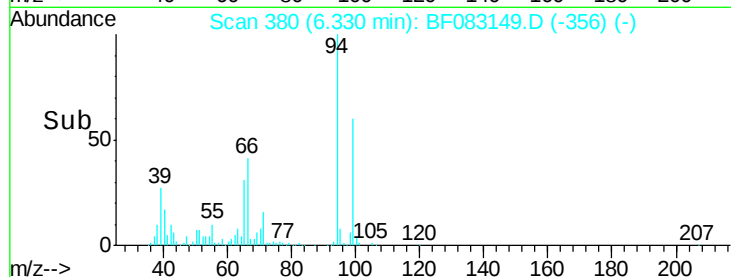
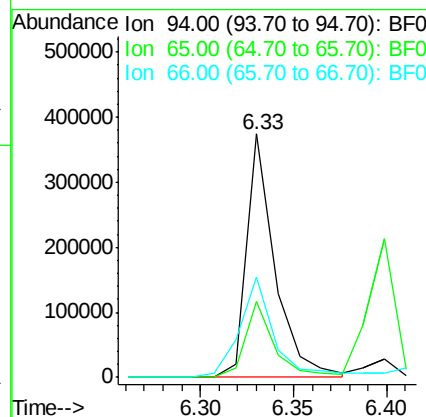
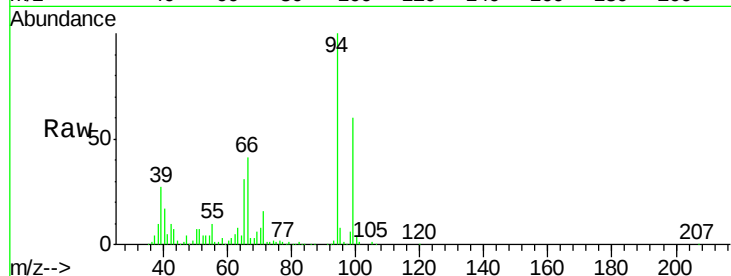
94 100

65 31.2 21.1 61.1

66 41.0 43.1 83.1#

Manual Integrations
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#11

bis(2-Chloroethyl)ether

Concen: 51.20 ng

RT: 6.40 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

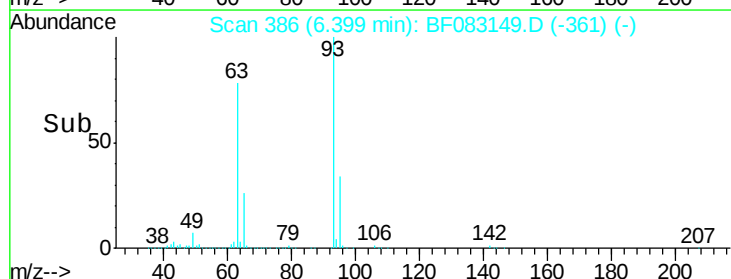
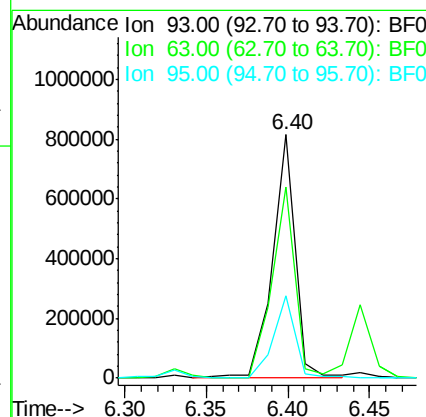
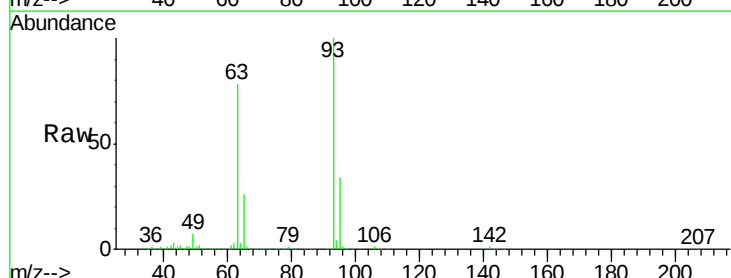
Tgt Ion: 93 Resp: 777775

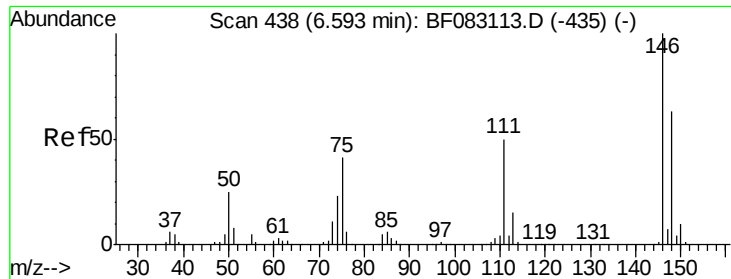
Ion Ratio Lower Upper

93 100

63 78.5 59.8 99.8

95 33.6 13.0 53.0





#12

1,3-Dichlorobenzene

Concen: 40.72 ng/mL

RT: 6.59 min Scan# 403

Delta R.T. 0.00 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

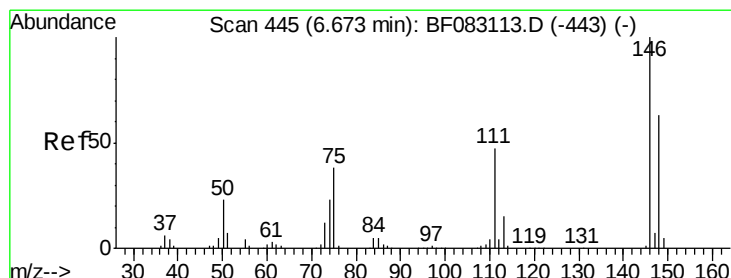
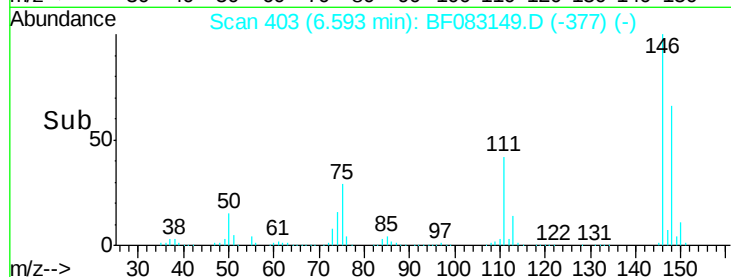
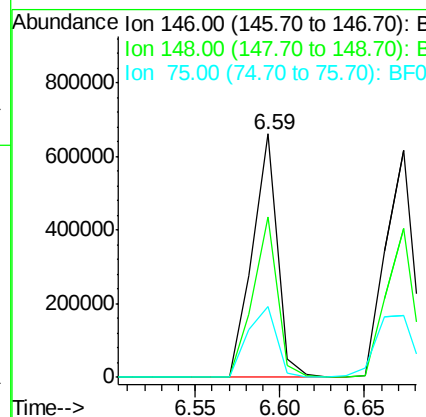
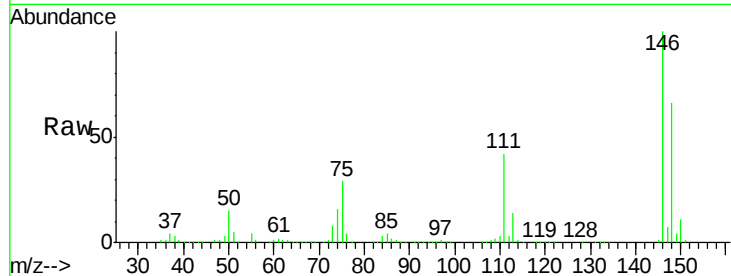
ClientSampleId :

MW-14A-111815MSD

Tot Ion:	146	Resp:	682722
Ion Ratio	Lower	Upper	
146	100		
148	65.9	50.2	75.2
75	28.9	32.7	49.1

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#13

1,4-Dichlorobenzene

Concen: 40.95 ng/mL

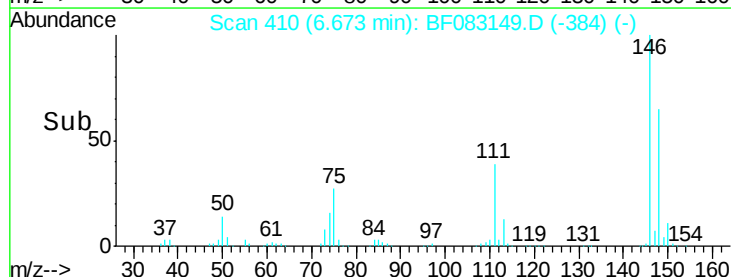
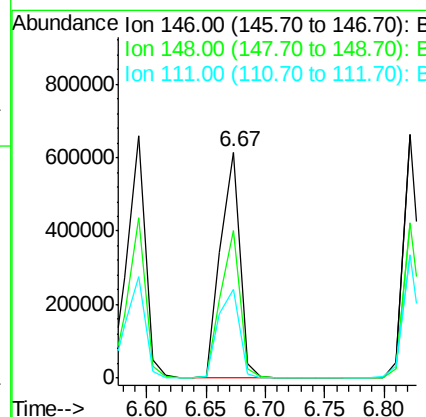
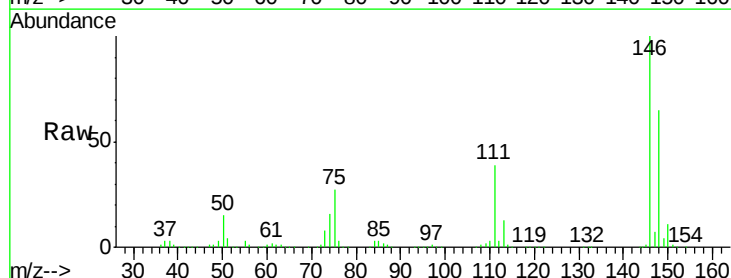
RT: 6.67 min Scan# 410

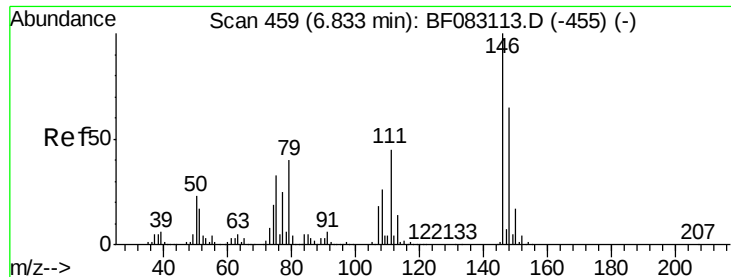
Delta R.T. 0.00 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Tgt Ion:	146	Resp:	694643
Ion Ratio	Lower	Upper	
146	100		
148	65.4	50.2	75.2
111	39.1	37.5	56.3





#14

1,2-Dichlorobenzene

Concen: 40.42 ng

RT: 6.82 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

ClientSampleId :

MW-14A-111815MSD

Tot Ion: 146 Resp: 623072

Ion Ratio Lower Upper

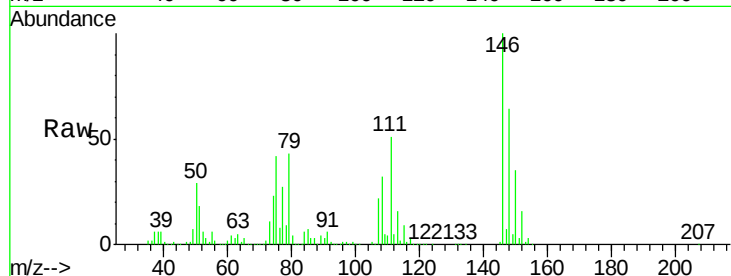
146 100

148 64.0 51.8 77.6

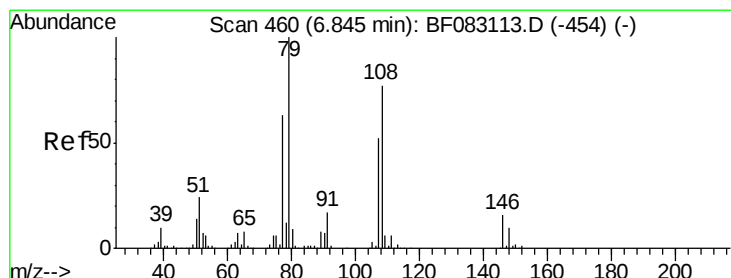
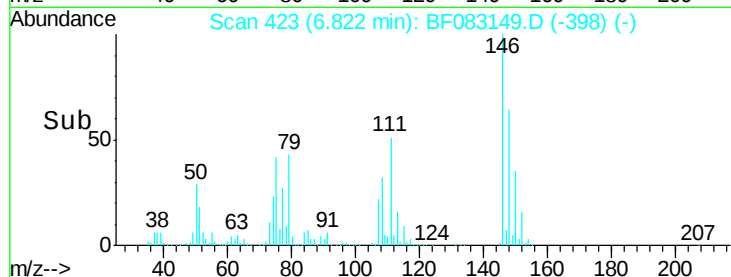
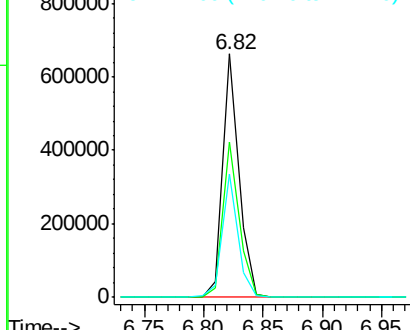
111 50.6 36.2 54.4

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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



#15

Benzyl Alcohol

Concen: 26.70 ng

RT: 6.82 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

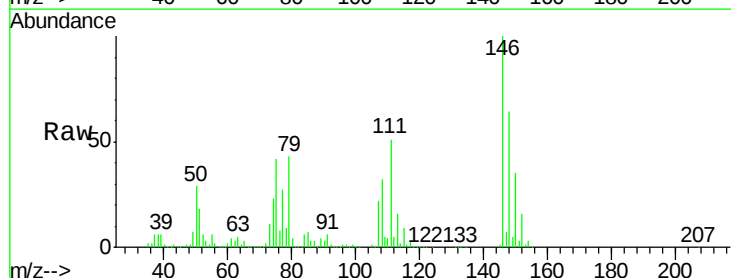
Tgt Ion: 79 Resp: 392415

Ion Ratio Lower Upper

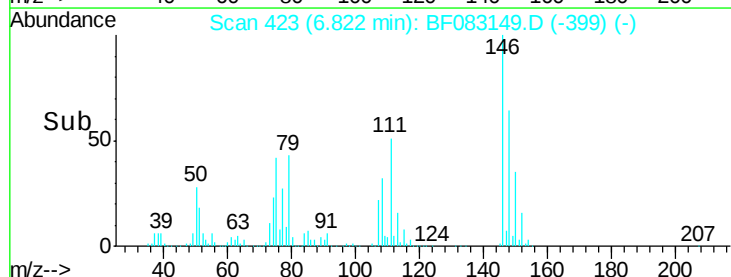
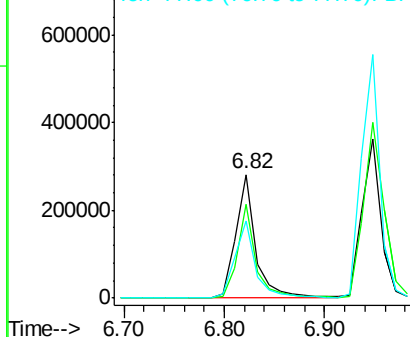
79 100

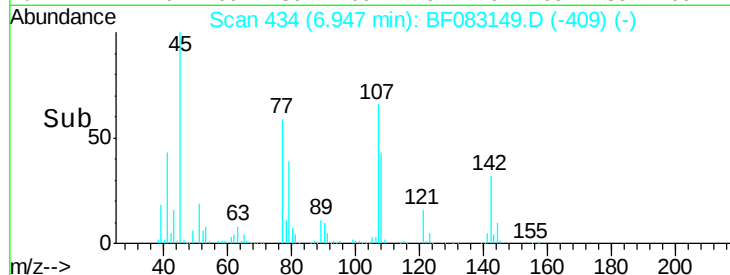
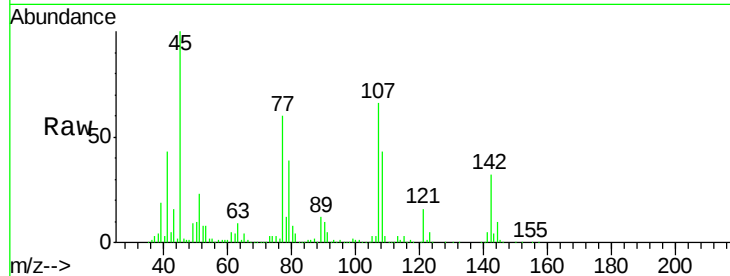
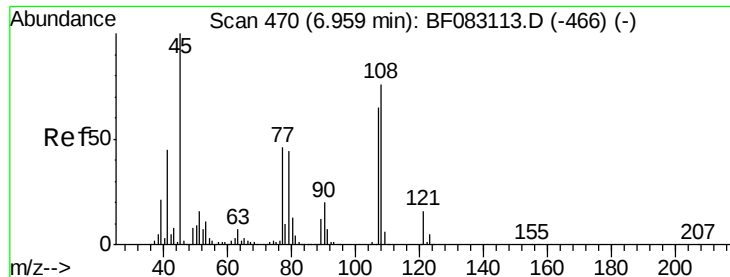
108 75.7 61.4 92.2

77 62.6 50.5 75.7



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0





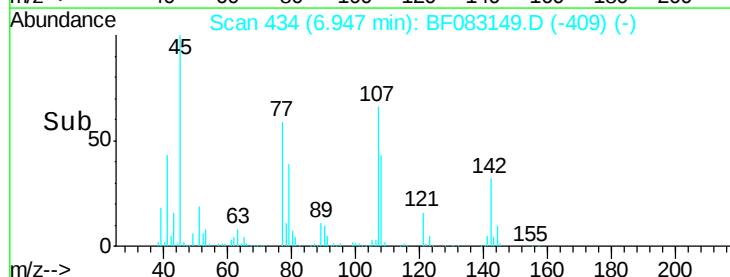
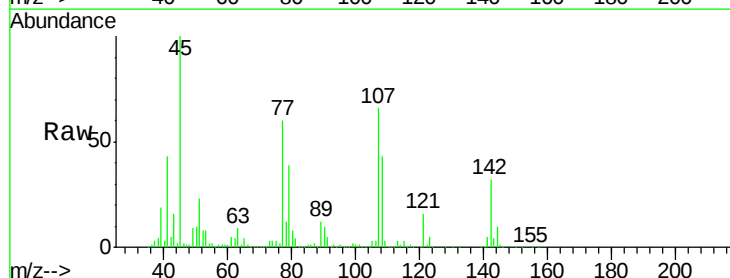
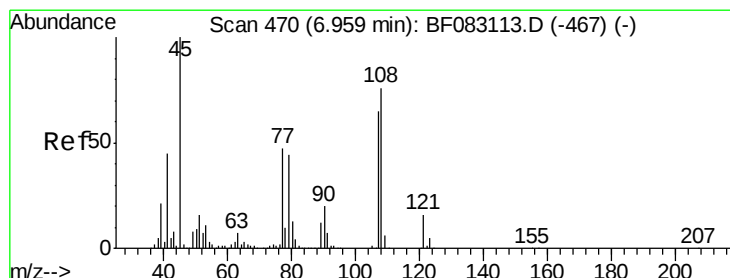
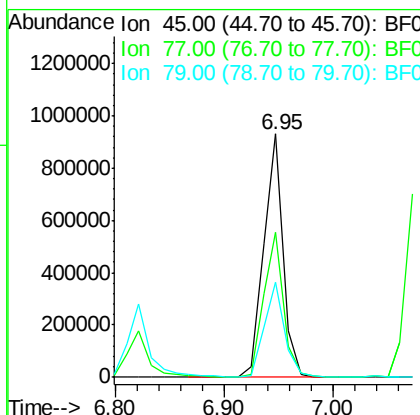
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 48.62 ng
RT: 6.95 min Scan# 434
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

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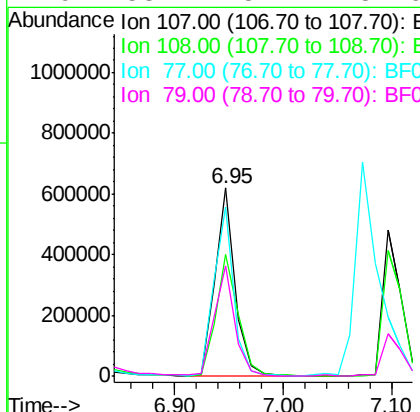
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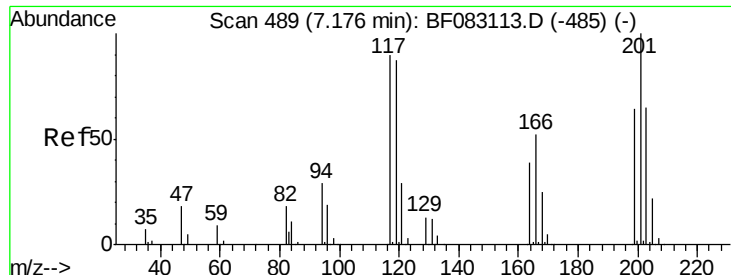
Tot Ion: 45 Resp: 1151872
Ion Ratio Lower Upper
45 100
77 59.6 26.7 66.7
79 39.0 24.3 64.3



#17
2-Methylphenol
Concen: 65.14 ng
RT: 6.95 min Scan# 434
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion: 107 Resp: 791588
Ion Ratio Lower Upper
107 100
108 65.0 93.8 140.6#
77 89.7 57.4 86.0#
79 58.7 54.4 81.6





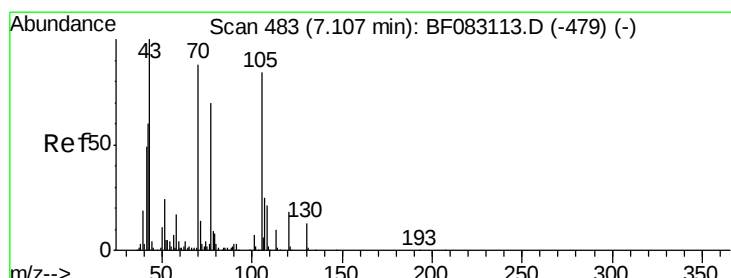
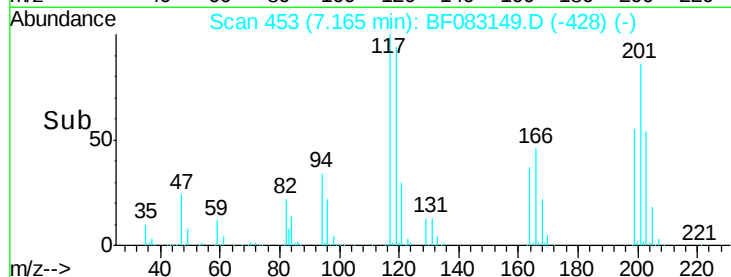
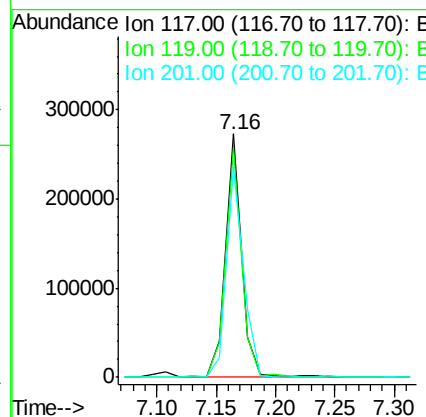
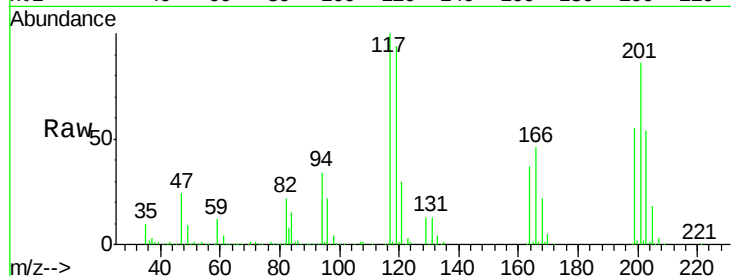
#18
Hexachloroethane
Concen: 42.27 ng
RT: 7.16 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	252535		
119	94.4	76.8	115.2	
201	86.3	88.6	133.0	#

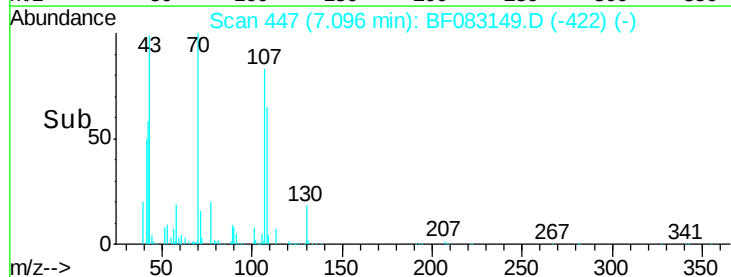
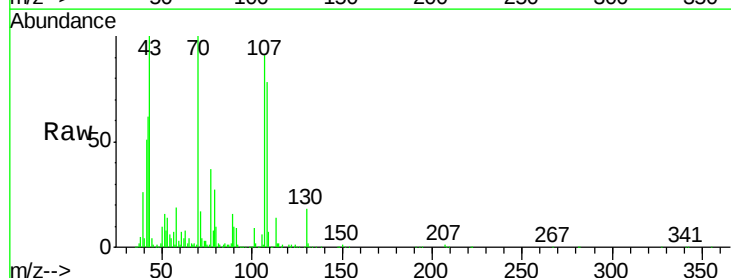
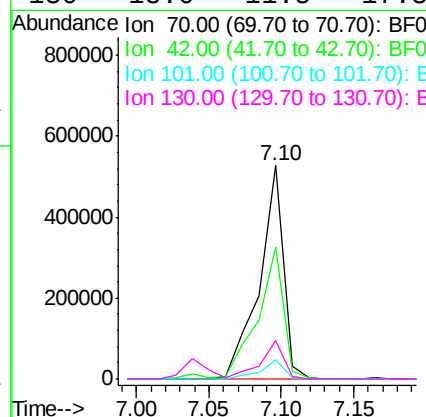
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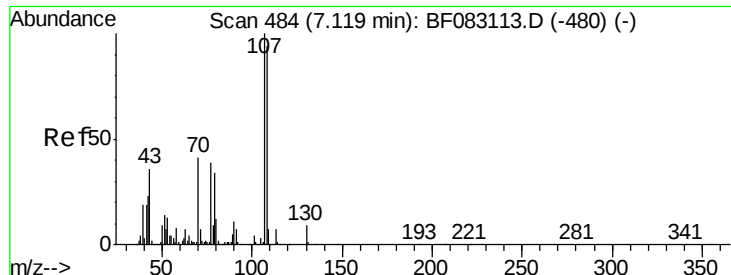
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#19
n-Nitroso-di-n-propylamine
Concen: 49.78 ng
RT: 7.10 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
70	100	609315		
42	62.0	54.5	81.7	
101	9.0	6.6	9.8	
130	18.0	11.5	17.3	#





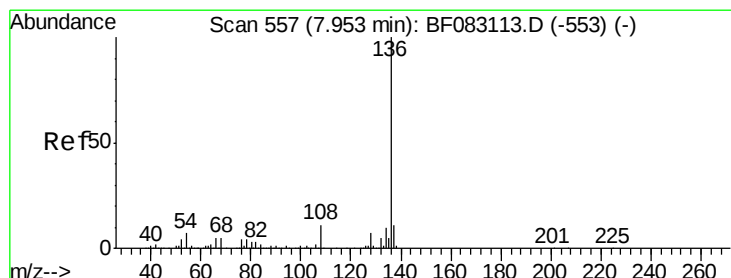
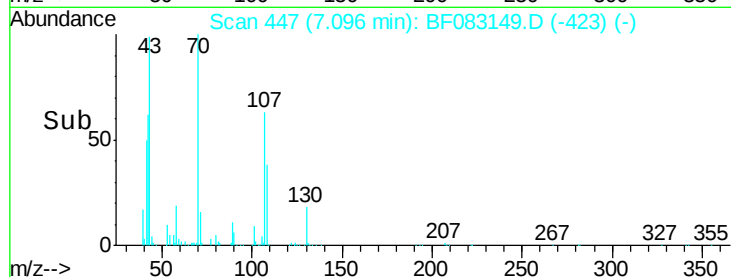
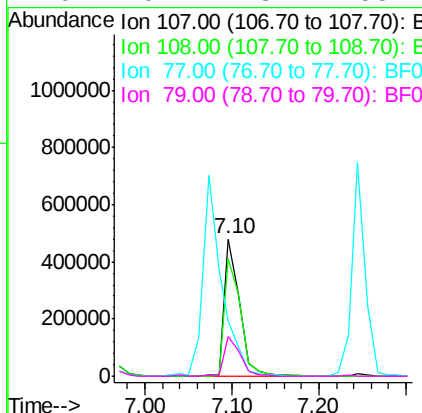
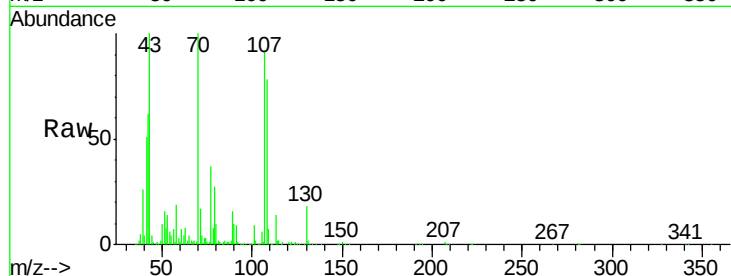
#20
3+4-Methylphenols
Concen: 37.87 ng
RT: 7.10 min Scan# 447
Delta R.T. -0.02 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	581712		
108	85.6	73.8	113.8		
77	40.3	19.1	59.1		
79	29.2	13.7	53.7		

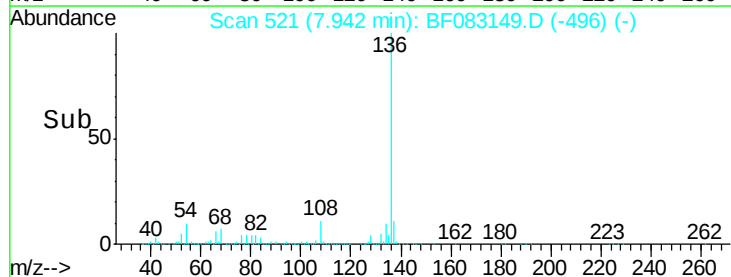
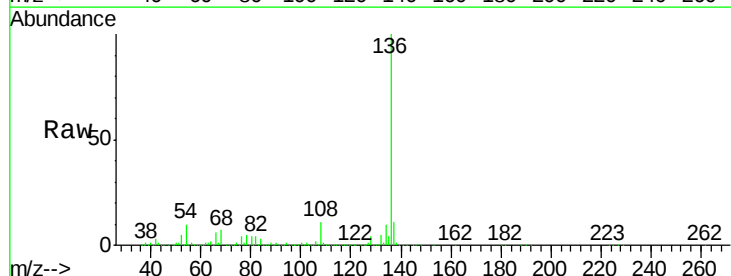
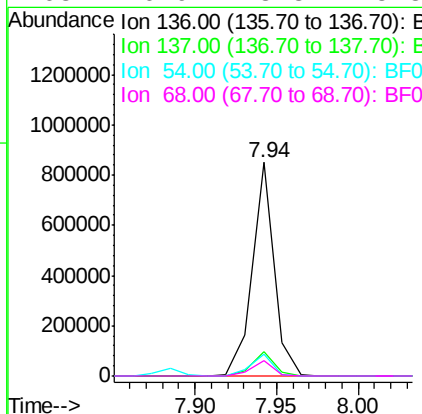
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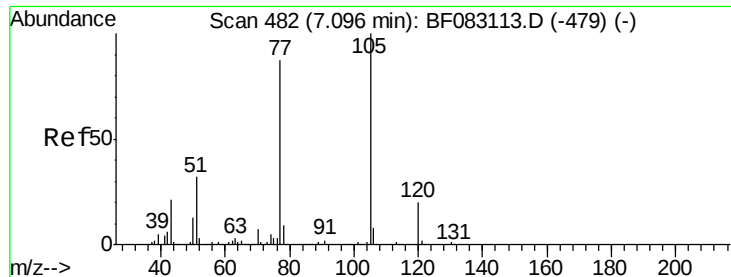
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 521
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	136	100	794943		
137	11.3	8.7	13.1		
54	9.9	5.8	8.6#		
68	6.9	3.8	5.8#		





#22

Acetophenone

Concen: 45.77 ng

RT: 7.07 min Scan# 445

Delta R.T. -0.02 min

Lab File: BF083149.D

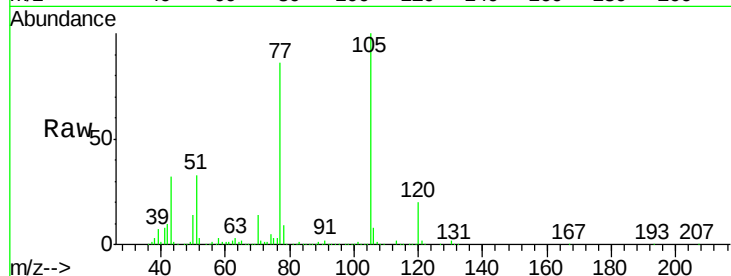
Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

ClientSampleId :

MW-14A-111815MSD



Tot Ion: 105 Resp: 1044654

Ion Ratio Lower Upper

105 100

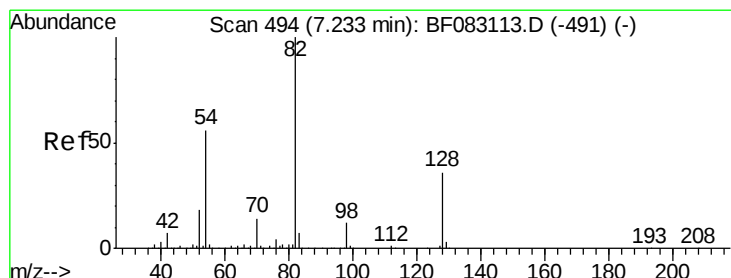
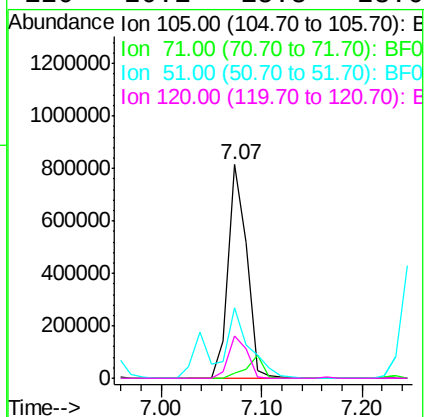
71 2.3 1.0 1.4#

51 33.1 25.6 38.4

120 20.1 15.8 23.6

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#23

Nitrobenzene-d5

Concen: 96.68 ng

RT: 7.23 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

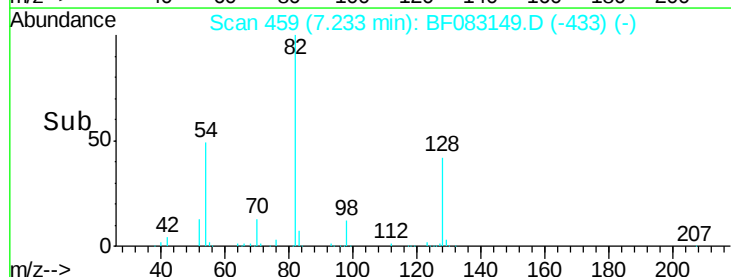
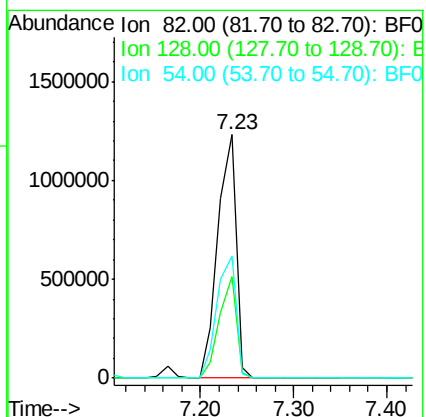
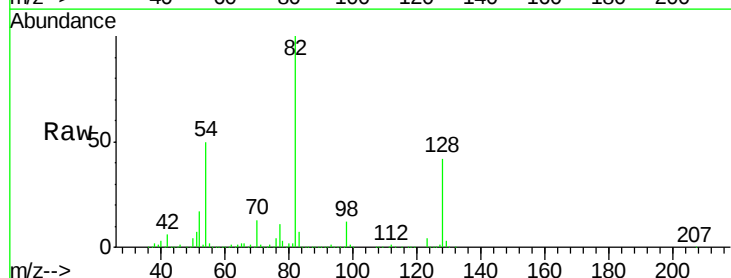
Tgt Ion: 82 Resp: 1681991

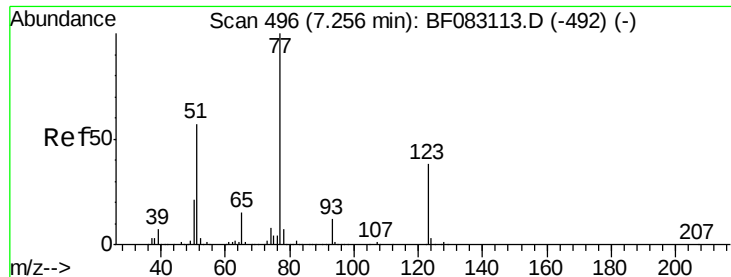
Ion Ratio Lower Upper

82 100

128 41.7 28.5 42.7

54 49.9 44.6 67.0





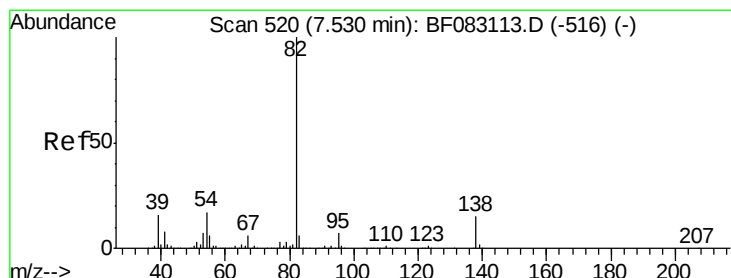
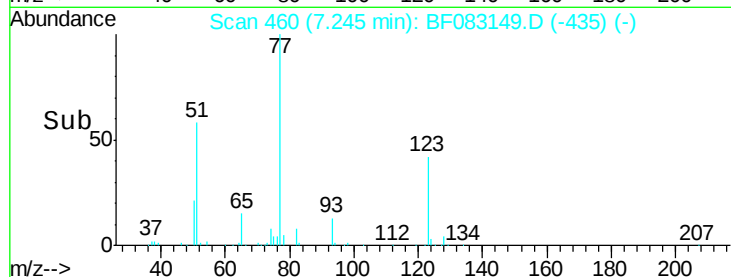
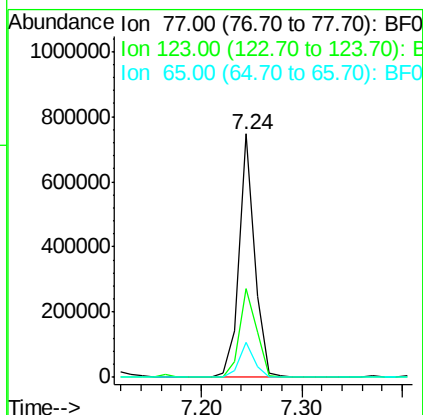
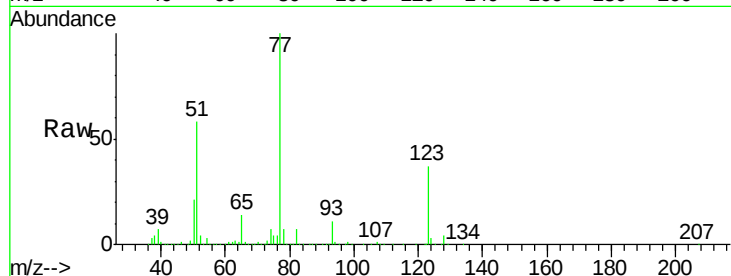
#24
 Nitrobenzene
 Concen: 42.93 ng
 RT: 7.24 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF083149.D
 Acq: 22 Nov 2015 10:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-14A-111815MSD

Tot Ion	Ratio	Lower	Upper
77	100		
123	36.7	30.1	45.1
65	14.4	11.6	17.4

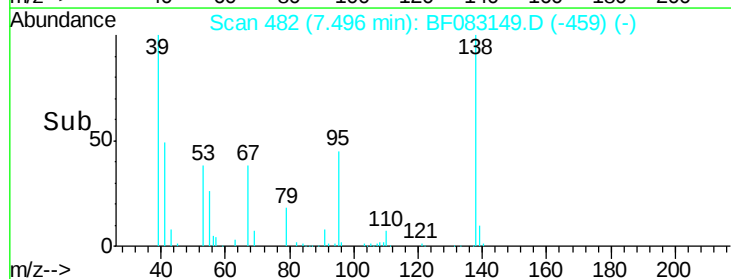
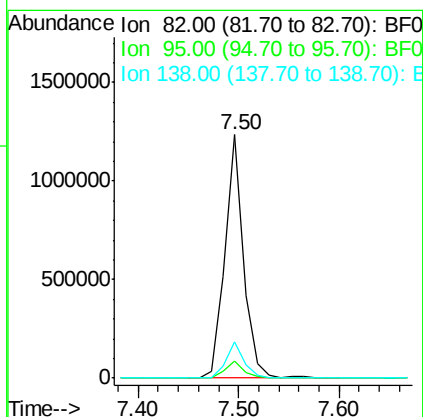
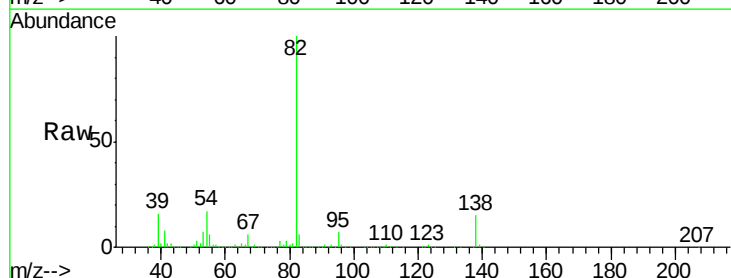
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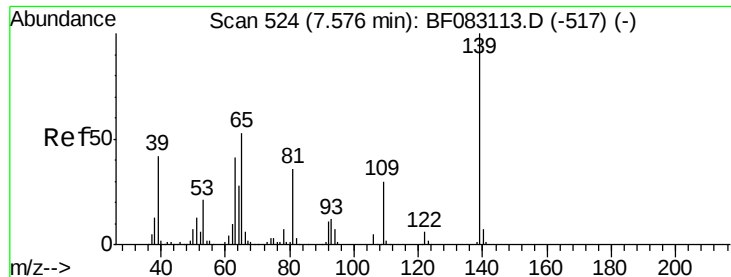
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#25
 Isophorone
 Concen: 48.14 ng
 RT: 7.50 min Scan# 482
 Delta R.T. -0.03 min
 Lab File: BF083149.D
 Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.8
138	15.1	11.6	17.4





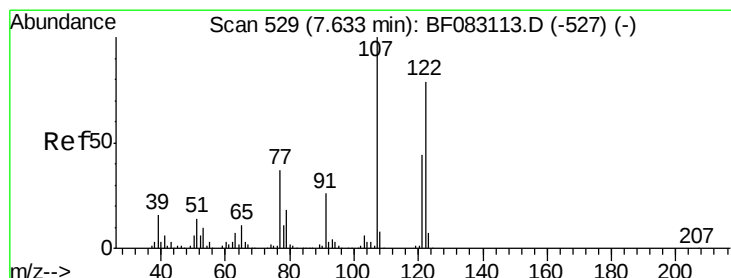
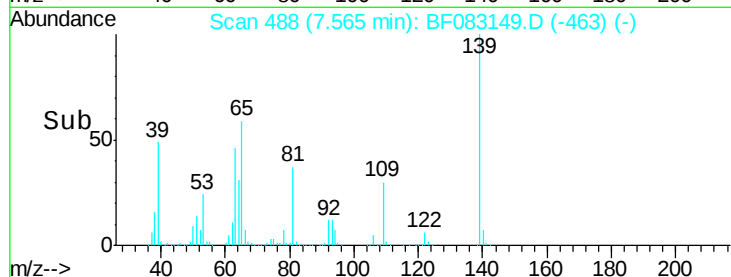
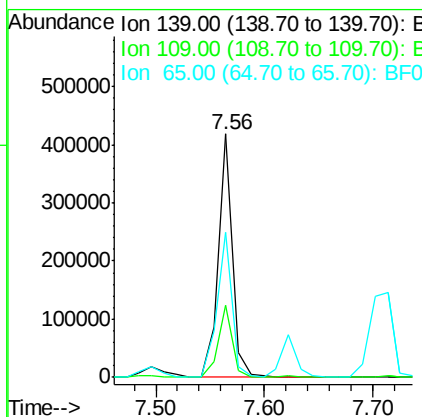
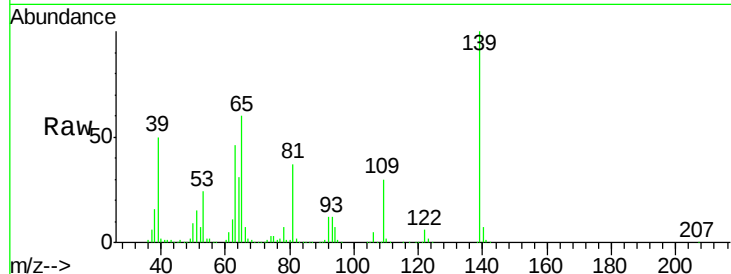
#26
2-Nitrophenol
Concen: 46.80 ng
RT: 7.56 min Scan# 488
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion:	139	Resp:	384054
Ion Ratio	Lower	Upper	
139	100		
109	29.6	23.9	35.9
65	59.5	42.7	64.1

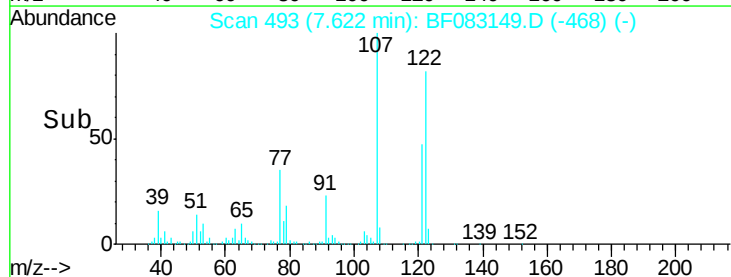
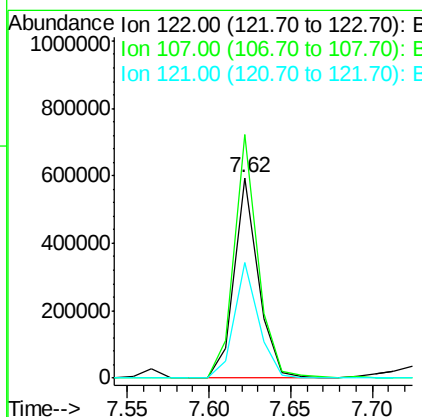
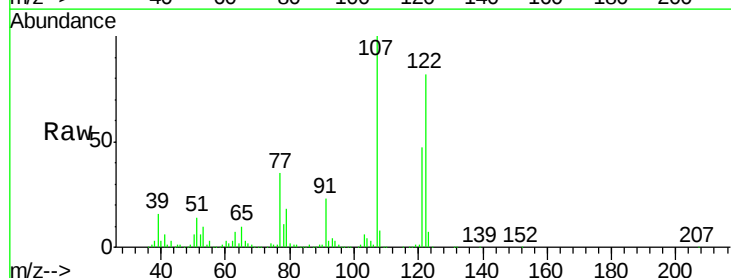
Manual Integrations
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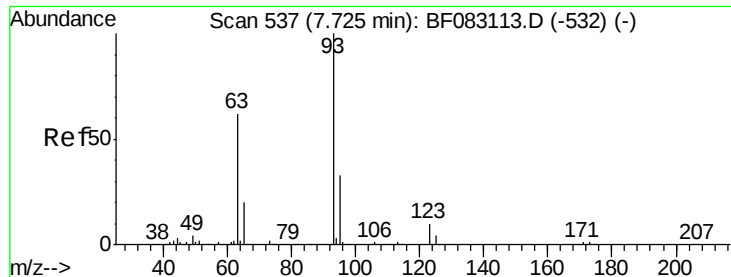
Mmdadoda
11/23/2015 7:01:51 PM



#27
2,4-Dimethylphenol
Concen: 46.33 ng
RT: 7.62 min Scan# 493
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion:	122	Resp:	606736
Ion Ratio	Lower	Upper	
122	100		
107	121.7	101.1	151.7
121	57.5	44.9	67.3





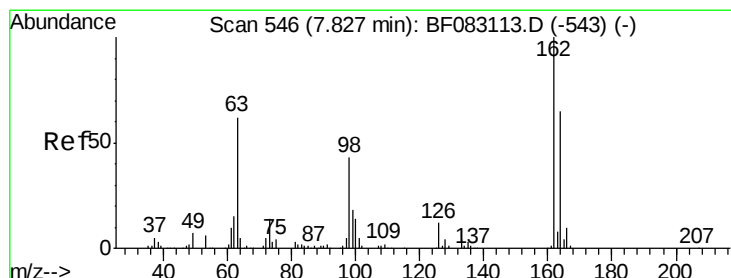
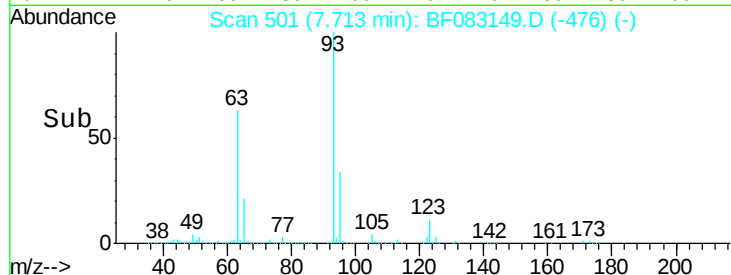
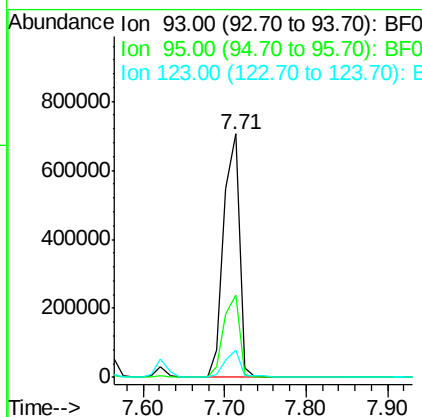
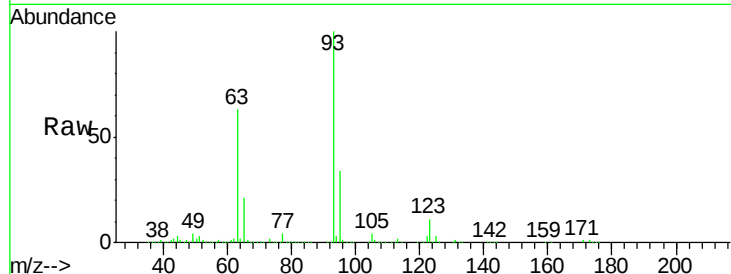
#28
bis(2-Chloroethoxy)methane
Concen: 49.35 ng
RT: 7.71 min Scan# 501
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
95	33.9	26.5	39.7	
123	11.1	8.1	12.1	

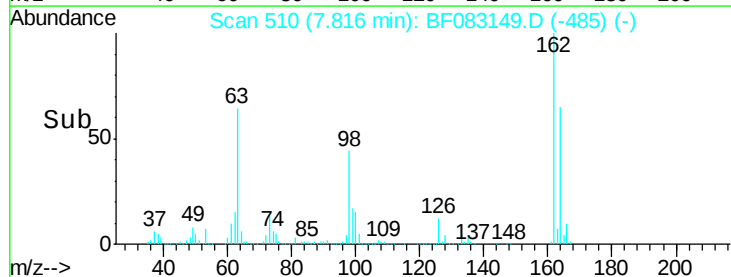
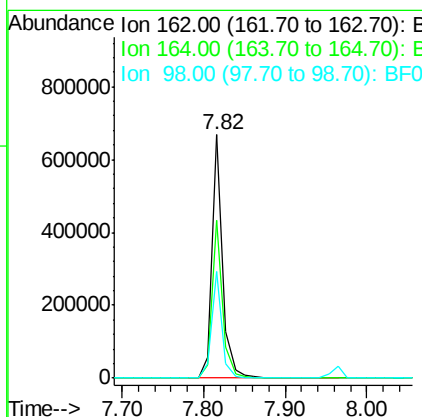
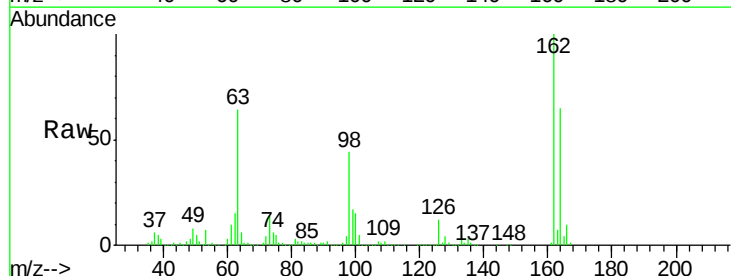
Manual Integrations
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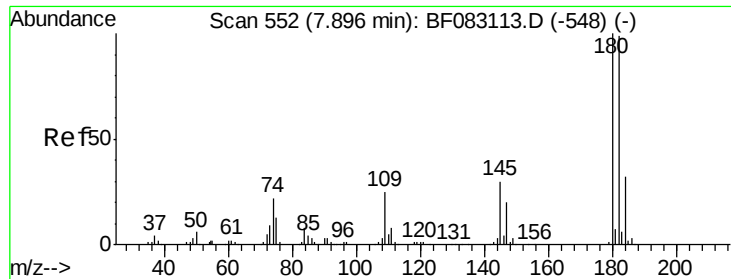
Mmdadoda
11/23/2015 7:01:51 PM



#29
2,4-Dichlorophenol
Concen: 49.16 ng
RT: 7.82 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
162	100			
164	64.6	44.8	84.8	
98	44.0	23.1	63.1	





#30

1,2,4-Trichlorobenzene

Concen: 43.39 ng

RT: 7.88 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

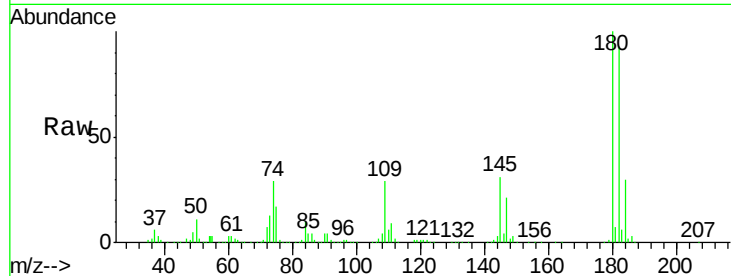
ClientSampleId :

MW-14A-111815MSD

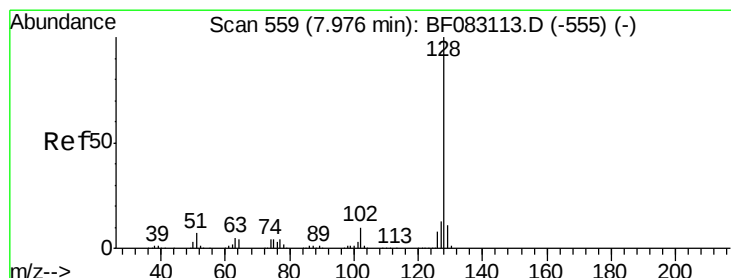
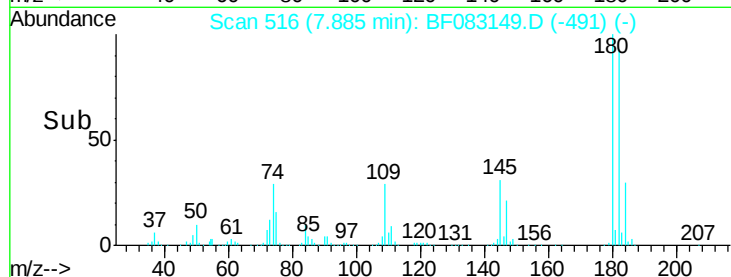
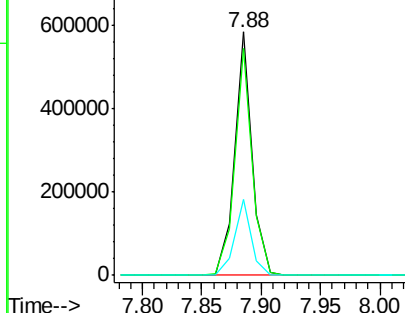
Tot Ion:	180	Resp:	593707
Ion Ratio	Lower	Upper	
180	100		
182	93.2	79.0	118.6
145	31.0	24.2	36.2

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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: 46.07 ng

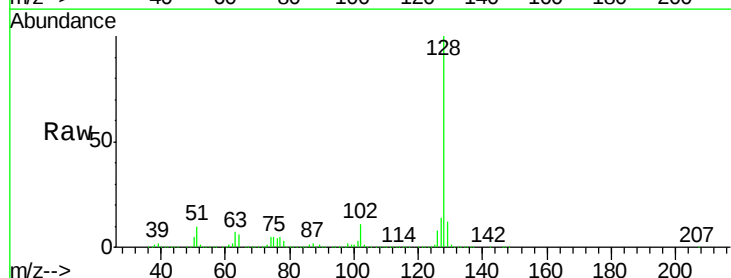
RT: 7.96 min Scan# 523

Delta R.T. -0.01 min

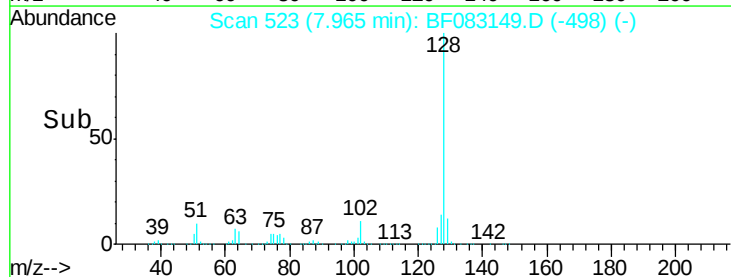
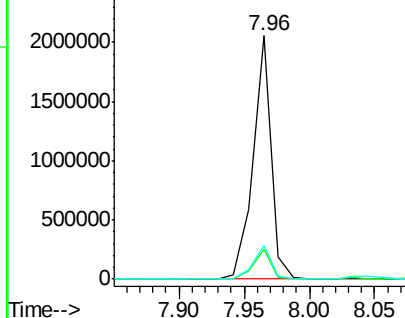
Lab File: BF083149.D

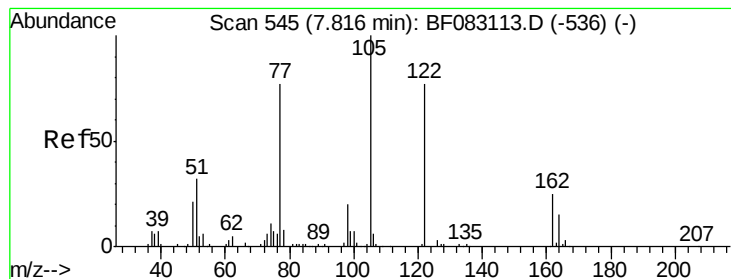
Acq: 22 Nov 2015 10:24

Tgt Ion:	128	Resp:	1976586
Ion Ratio	Lower	Upper	
128	100		
129	12.3	9.0	13.4
127	13.9	10.6	15.8



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 14.12 ng

RT: 7.75 min Scan# 504

Delta R.T. -0.07 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

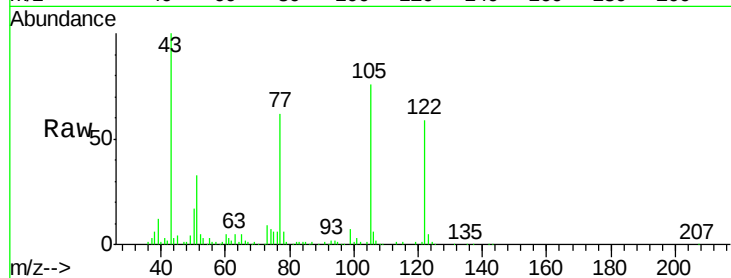
ClientSampleId :

MW-14A-111815MSD

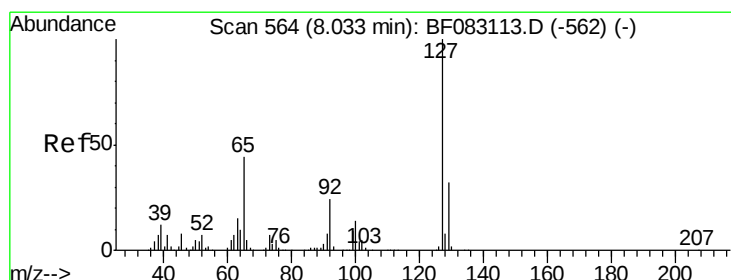
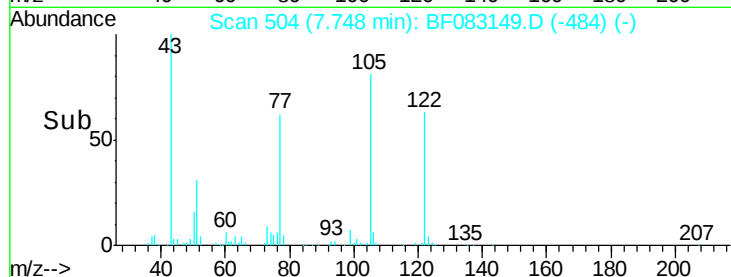
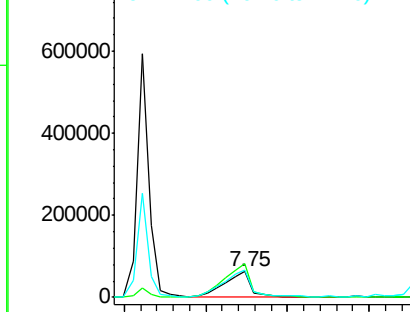
Tot Ion:	122	Resp:	143724
Ion Ratio	Lower	Upper	
122	100		
105	128.5	109.7	149.7
77	104.7	79.7	119.7

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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 3.90 ng

RT: 8.03 min Scan# 529

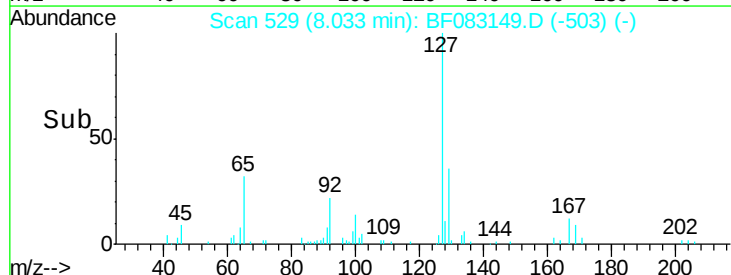
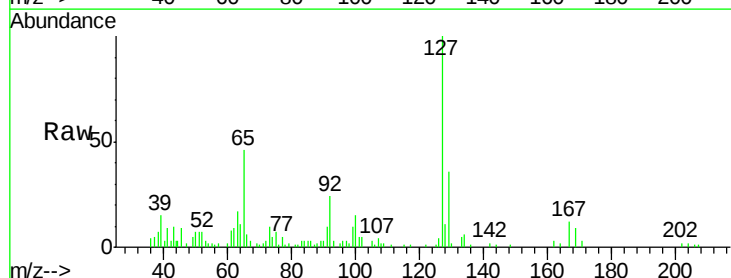
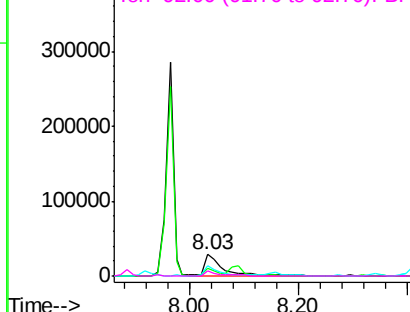
Delta R.T. 0.00 min

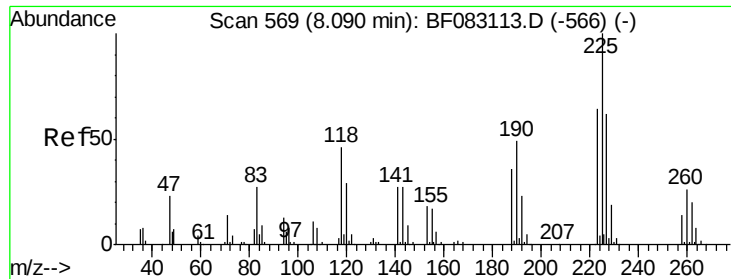
Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Tgt Ion:	127	Resp:	64941
Ion Ratio	Lower	Upper	
127	100		
129	36.1	25.7	38.5
65	45.8	35.5	53.3
92	23.6	19.4	29.2

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





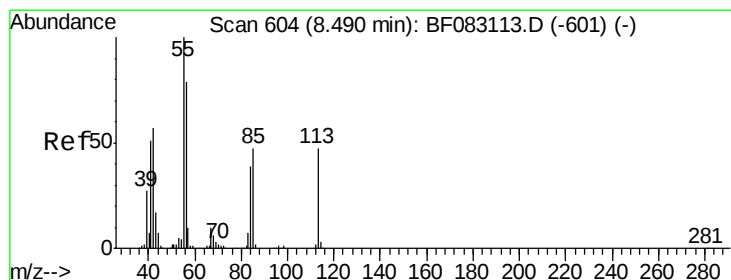
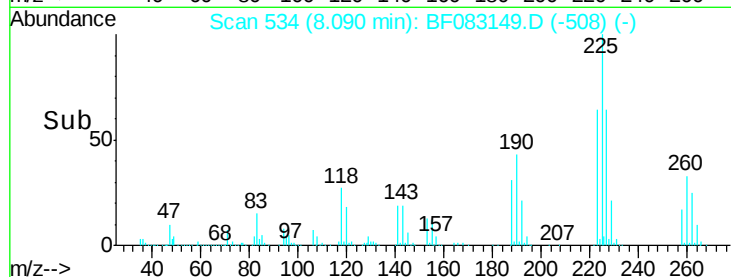
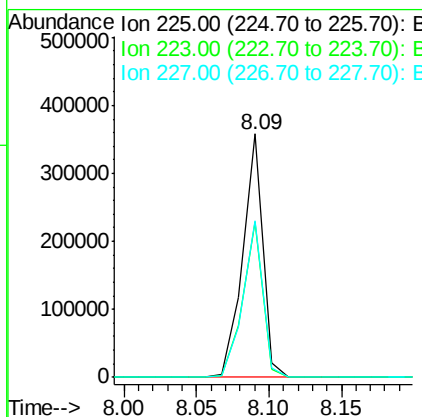
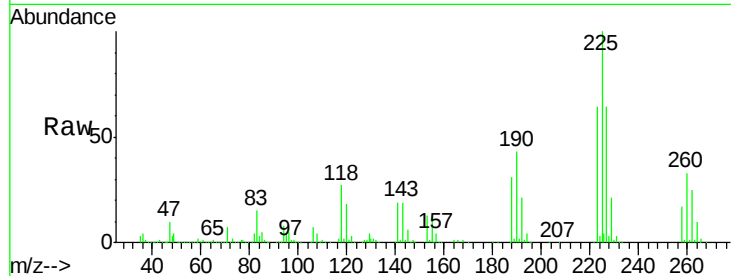
#34
Hexachlorobutadiene
Concen: 42.73 ng
RT: 8.09 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	51.3	76.9	
227	64.2	49.8	74.8	

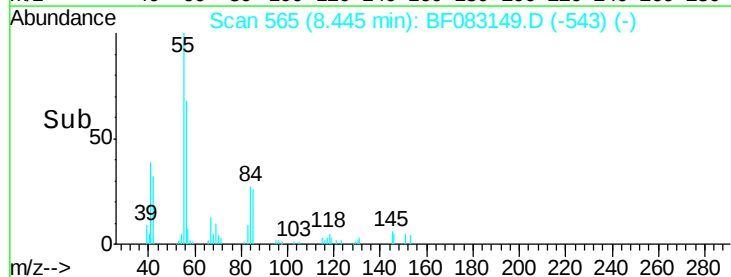
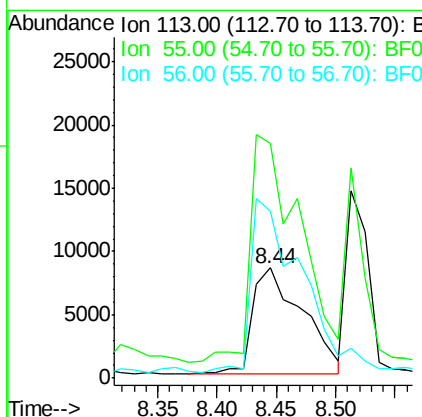
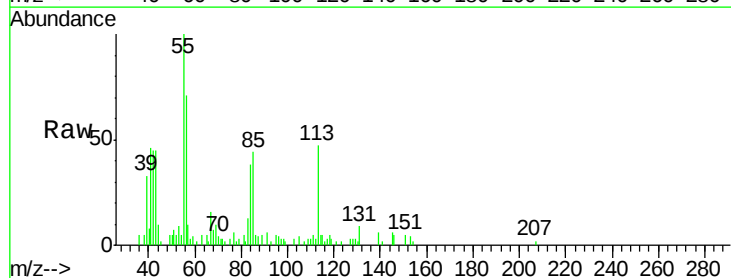
Manual Integrations
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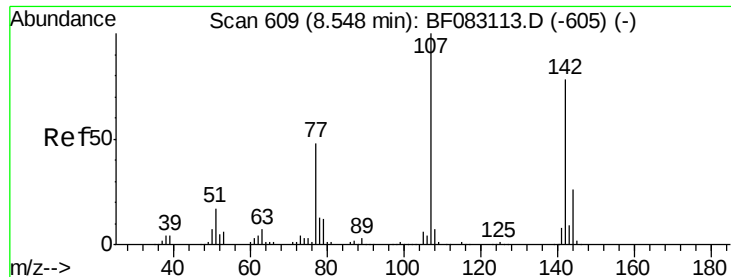
Mmdadoda
11/23/2015 7:01:51 PM



#35
Caprolactam
Concen: 6.16 ng
RT: 8.44 min Scan# 565
Delta R.T. -0.05 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
55	212.1	192.6	232.6	
56	150.5	148.6	188.6	





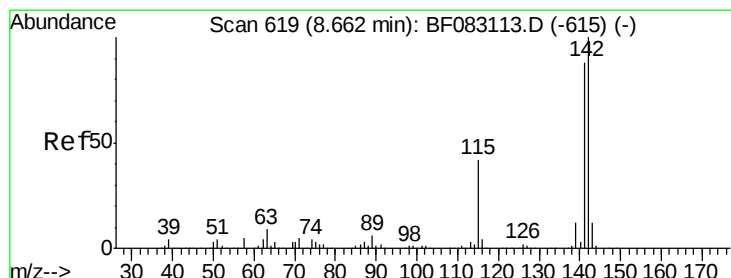
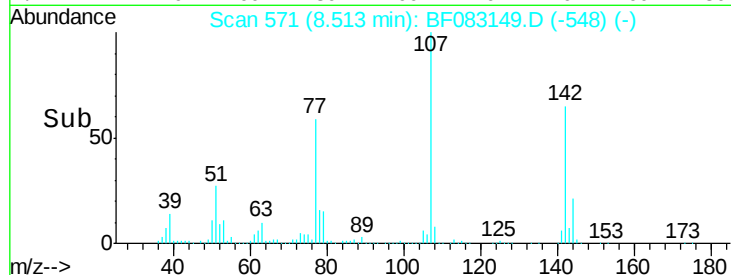
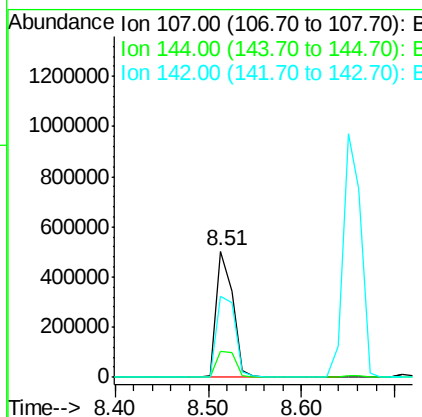
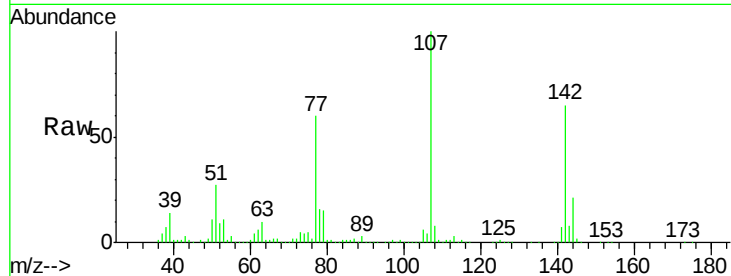
#36
4-Chloro-3-methylphenol
Concen: 43.09 ng
RT: 8.51 min Scan# 571
Delta R.T. -0.03 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	621771		
144	20.8	20.8	31.2#	
142	64.8	62.1	93.1	

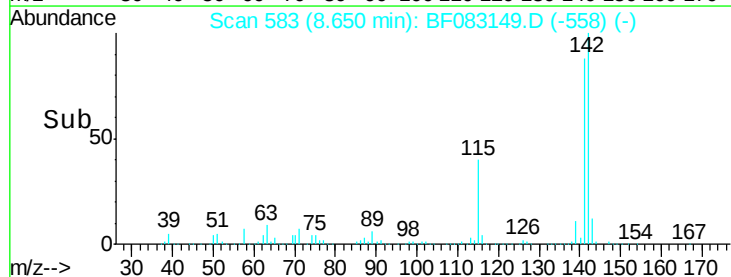
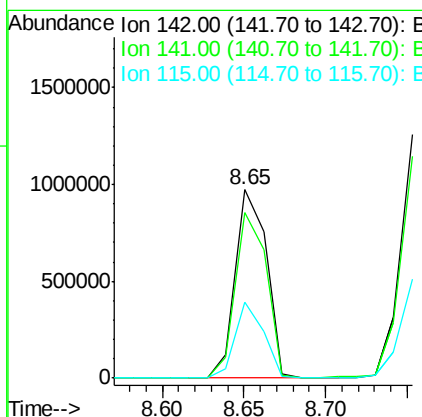
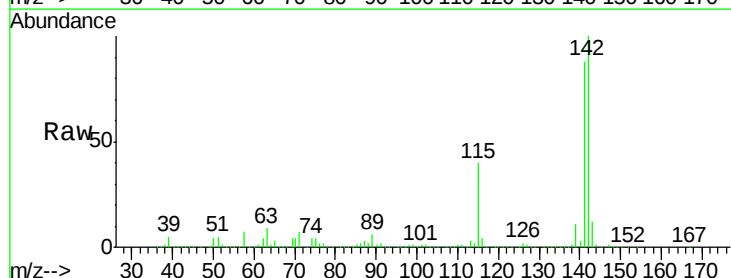
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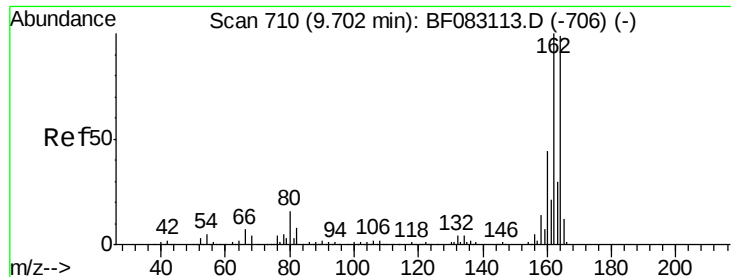
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11/23/2015 7:01:51 PM



#37
2-Methylnaphthalene
Concen: 46.06 ng
RT: 8.65 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	1282519		
141	88.0	70.3	105.5	
115	40.2	33.4	50.2	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

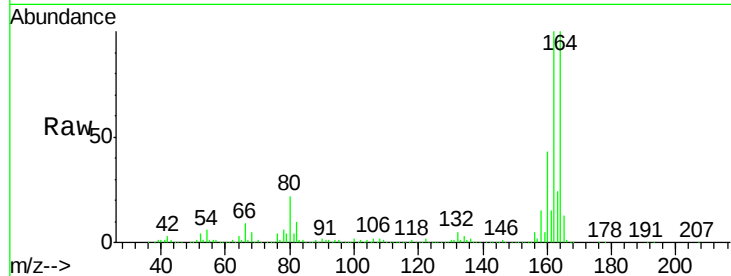
ClientSampleId :

MW-14A-111815MSD

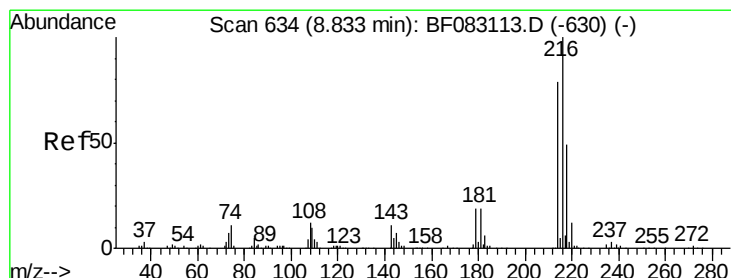
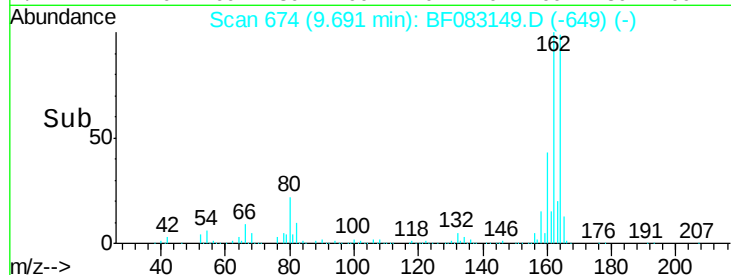
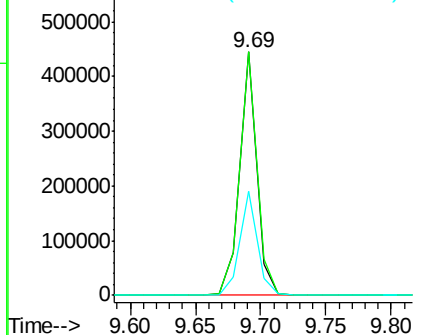
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.1	81.2	121.8	
160	42.6	35.6	53.4	

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.24 ng

RT: 8.82 min Scan# 598

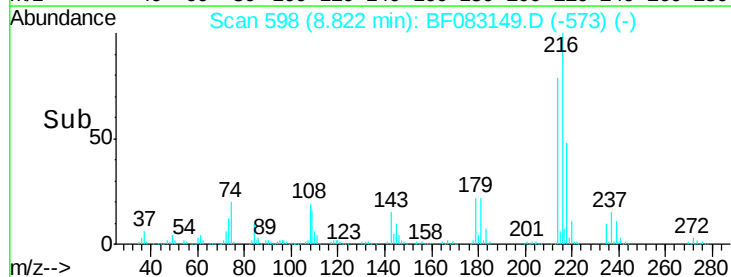
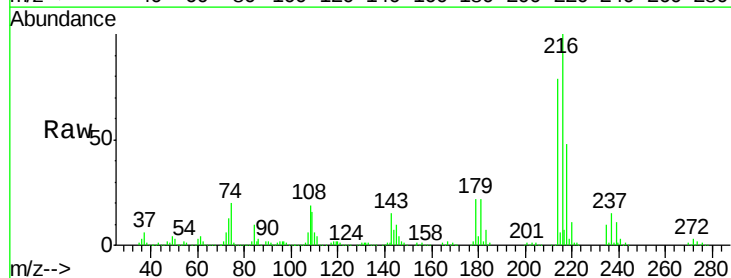
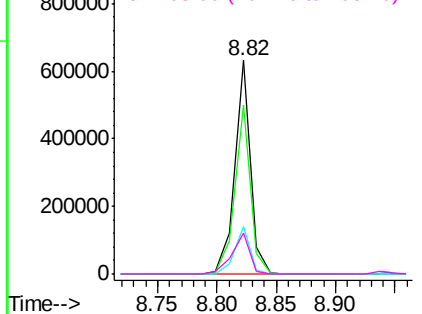
Delta R.T. -0.01 min

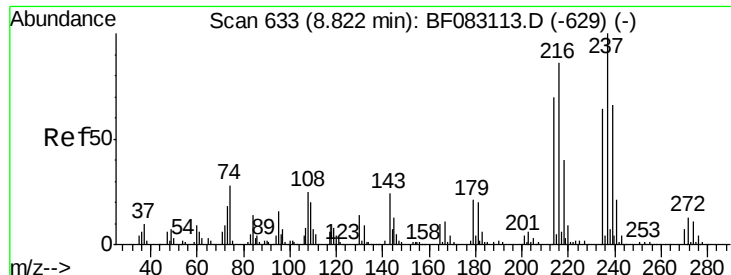
Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.3	63.8	95.8	
179	22.1	17.0	25.6	
108	21.9	15.2	22.8	

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





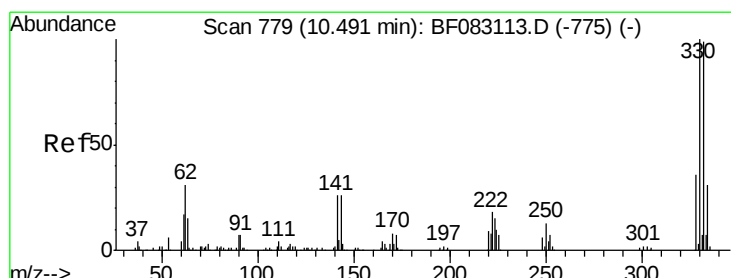
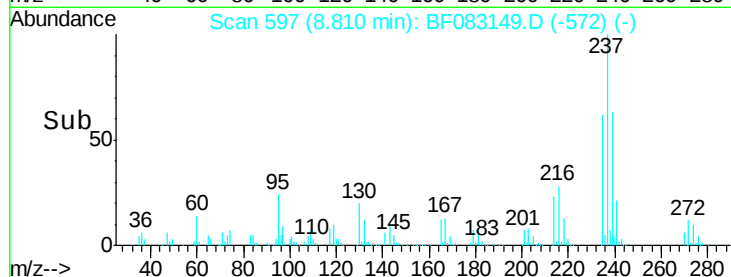
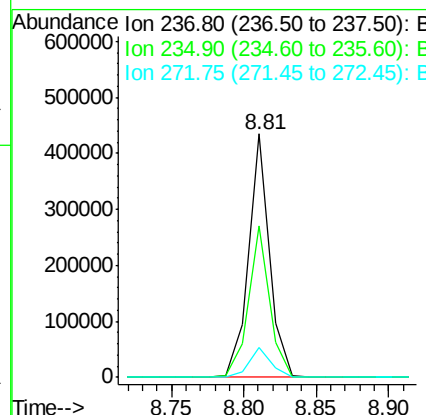
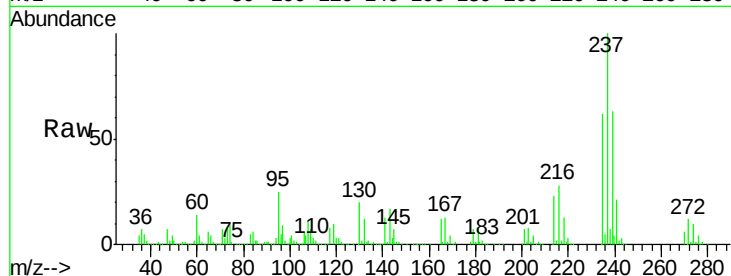
#40
Hexachlorocyclopentadiene
Concen: 58.23 ng
RT: 8.81 min Scan# 597
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	62.0	43.5	83.5	
272	12.1	0.0	33.1	

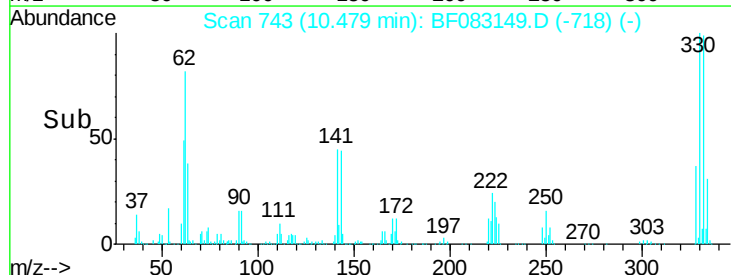
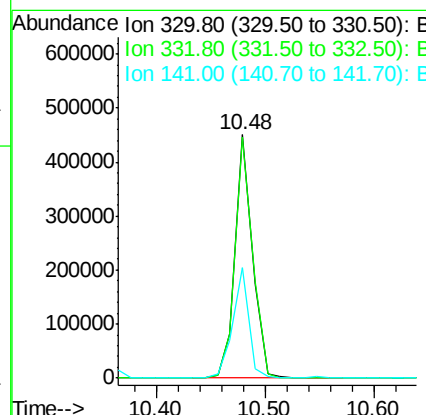
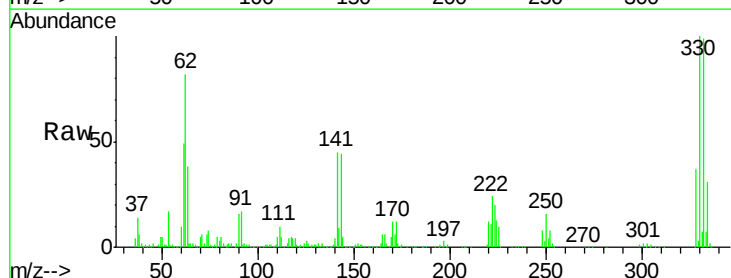
Manual Integrations
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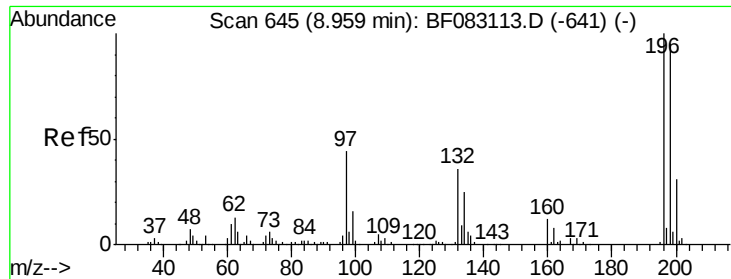
Mmdadoda
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#41
2,4,6-Tribromophenol
Concen: 120.77 ng
RT: 10.48 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.8	77.7	116.5	
141	41.2	29.7	44.5	





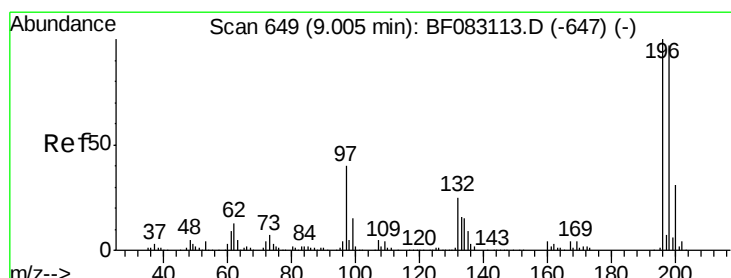
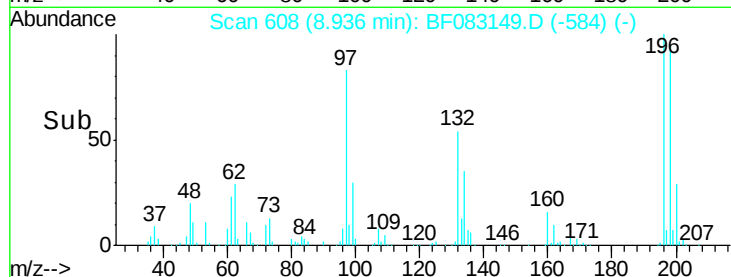
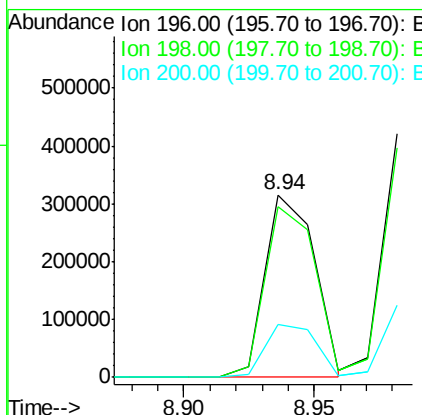
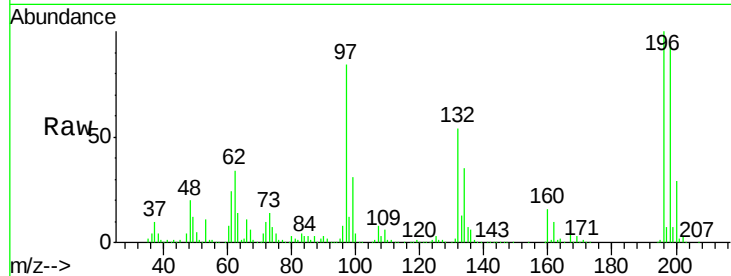
#42
2,4,6-Trichlorophenol
Concen: 44.67 ng
RT: 8.94 min Scan# 608
Delta R.T. -0.02 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	418551		
198	94.0	75.9	113.9	
200	28.9	24.5	36.7	

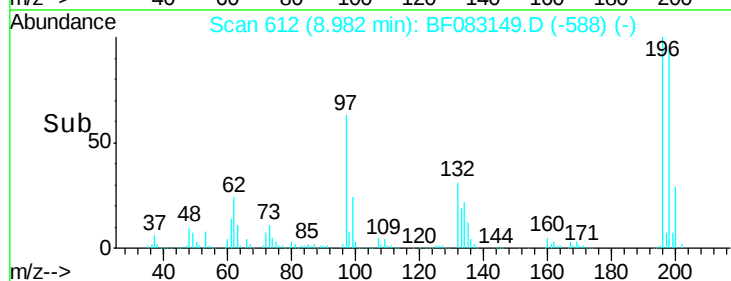
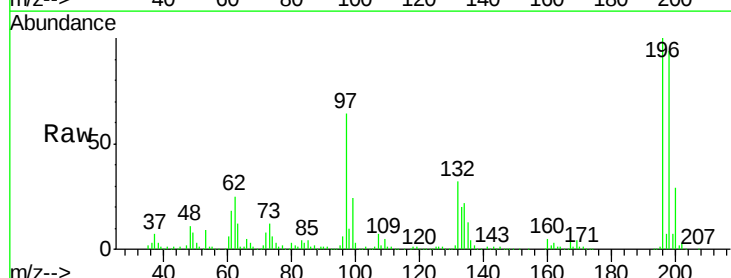
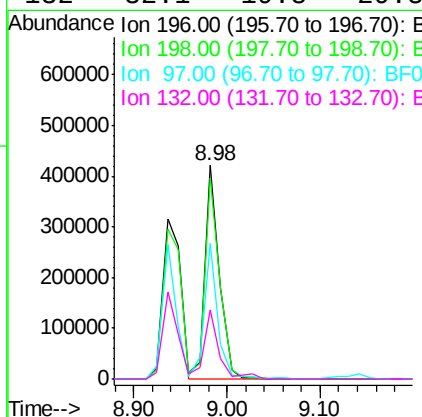
Manual Integrations
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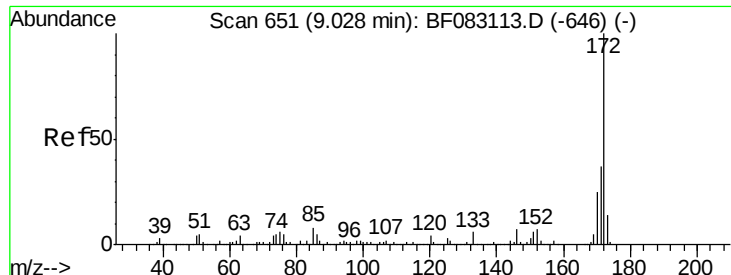
Mmdadoda
11/23/2015 7:01:51 PM



#43
2,4,5-Trichlorophenol
Concen: 47.21 ng
RT: 8.98 min Scan# 612
Delta R.T. -0.02 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	452255		
198	94.2	77.6	116.4	
97	63.8	32.6	48.8#	
132	32.1	19.8	29.8#	





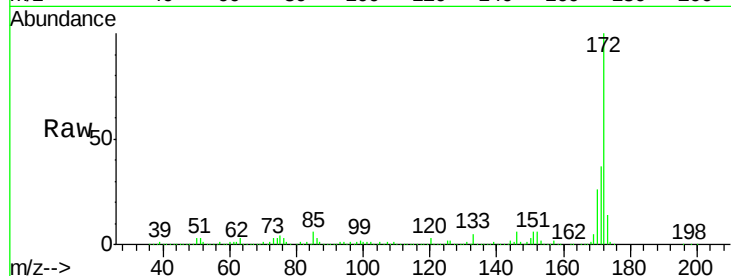
#44
2-Fluorobiphenyl
Concen: 89.01 ng
RT: 9.03 min Scan# 616
Delta R.T. 0.00 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.9	29.5	44.3	
170	25.5	19.9	29.9	

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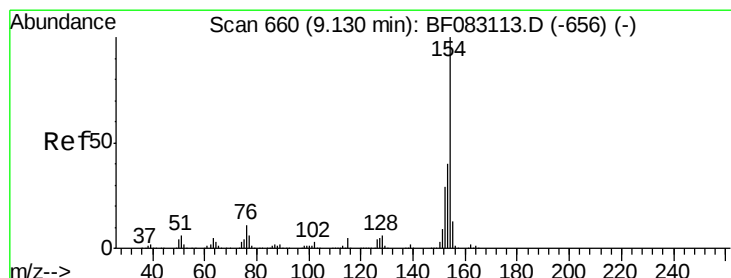
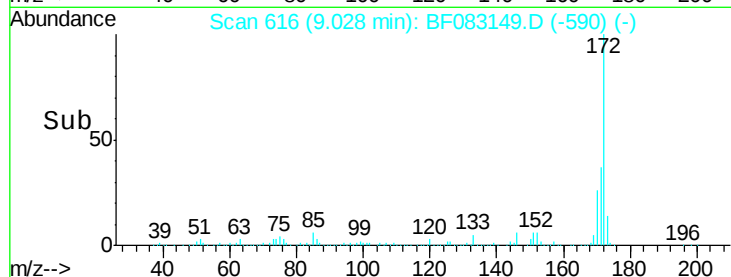
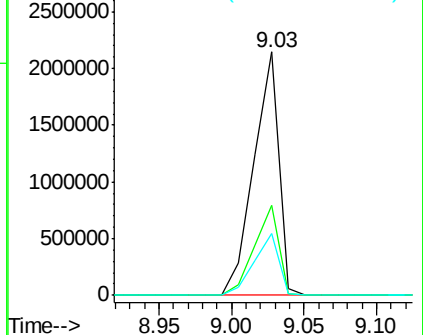


Abundance

Ion 172.00 (171.70 to 172.70): E

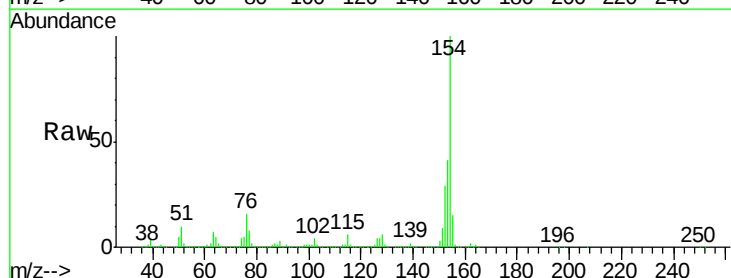
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45
1,1'-Biphenyl
Concen: 41.96 ng
RT: 9.12 min Scan# 624
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion	Ion	Ratio	Lower	Upper
154	100			
153	41.1	20.5	60.5	
76	16.4	0.0	31.2	

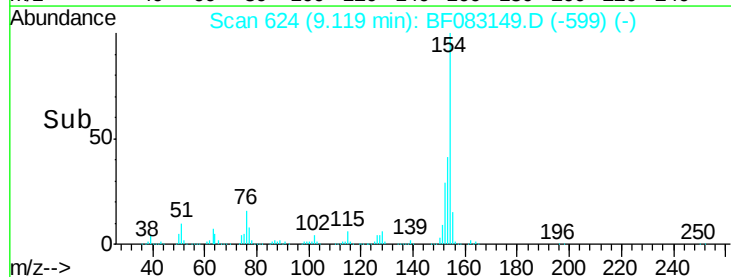
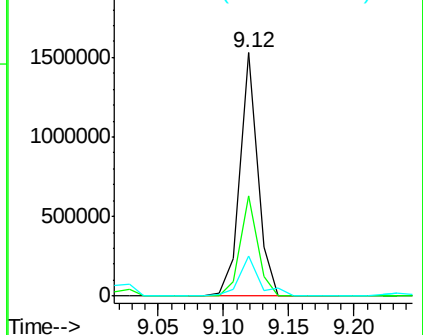


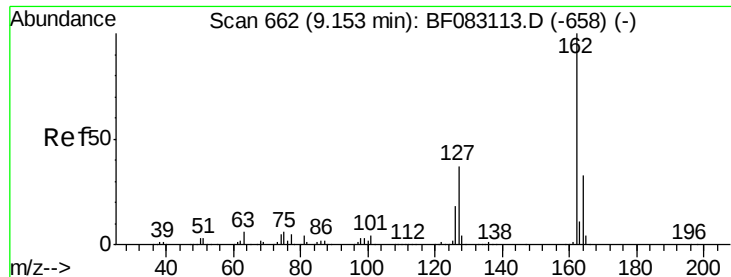
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





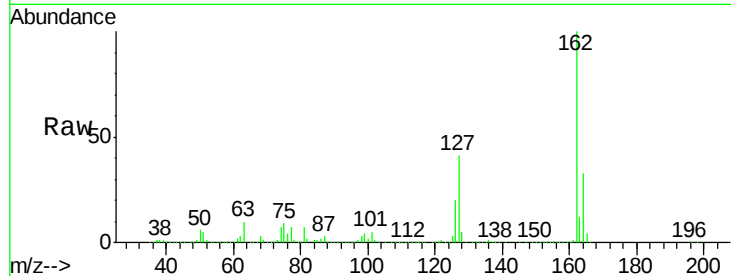
#46
2-Chloronaphthalene
Concen: 46.47 ng
RT: 9.14 min Scan# 626
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

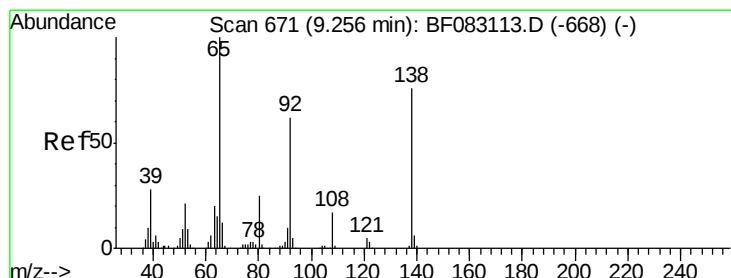
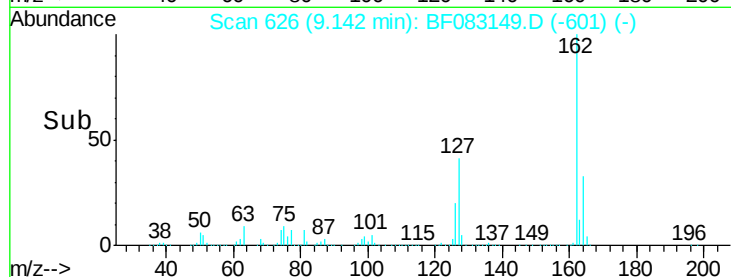
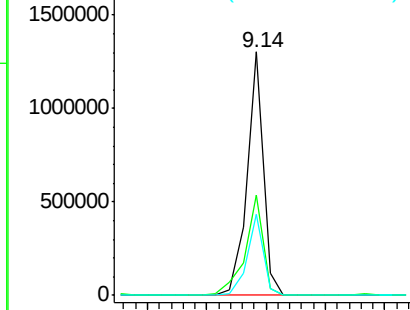
Tot Ion	Ratio	Lower	Upper
162	100		
127	41.2	29.4	44.2
164	33.4	26.2	39.4

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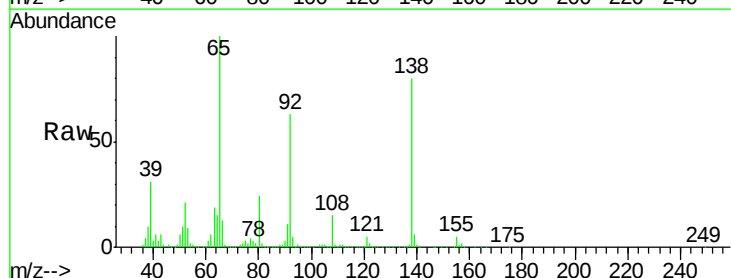


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

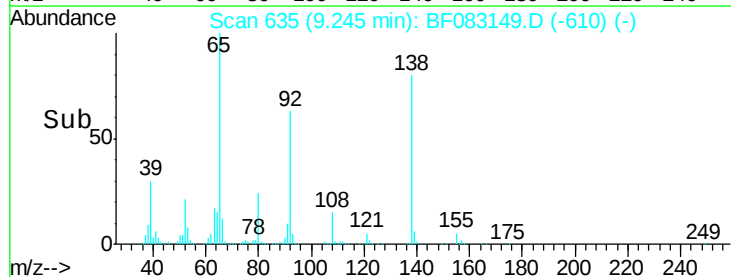
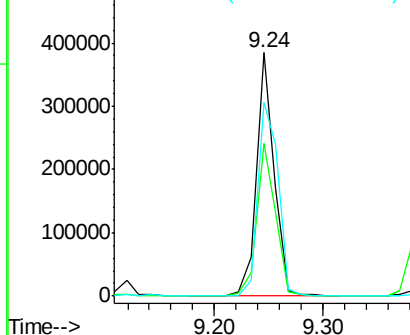


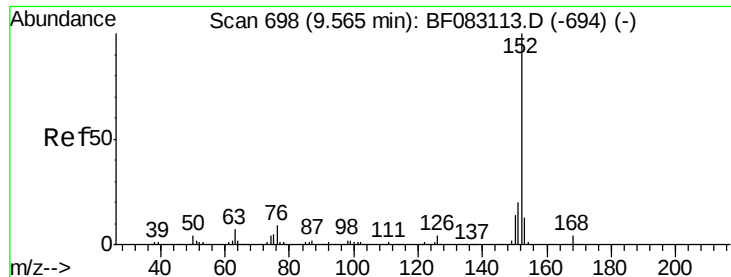
#47
2-Nitroaniline
Concen: 45.64 ng
RT: 9.24 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.9	49.5	74.3
138	79.6	60.7	91.1



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E





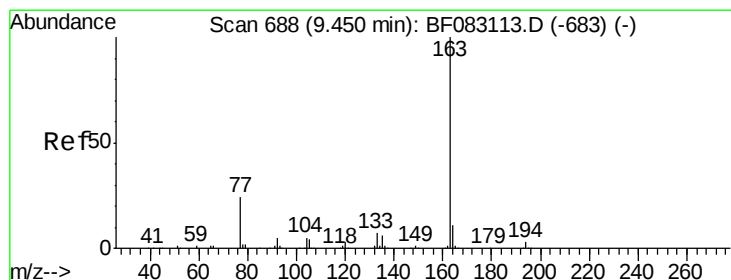
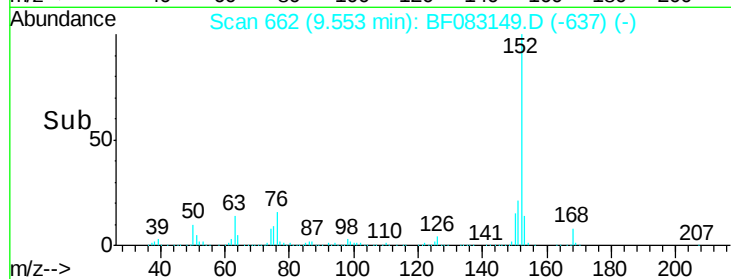
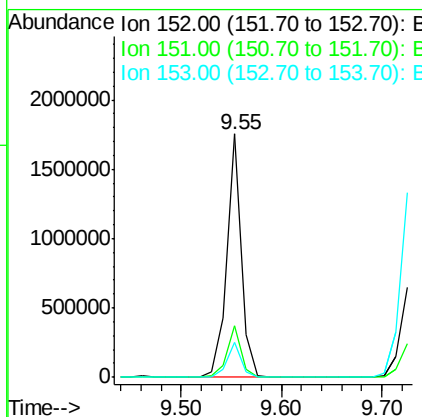
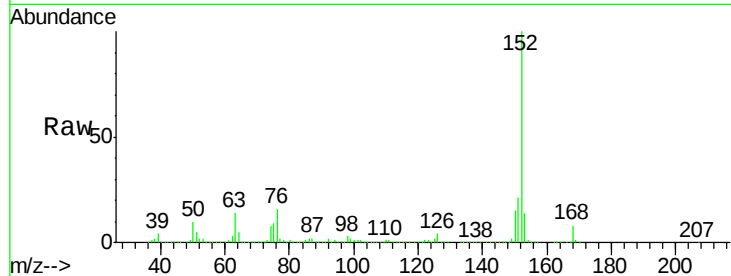
#48
Acenaphthylene
Concen: 41.88 ng
RT: 9.55 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion:152 Resp: 1751400
Ion Ratio Lower Upper
152 100
151 21.0 16.3 24.5
153 14.3 10.8 16.2

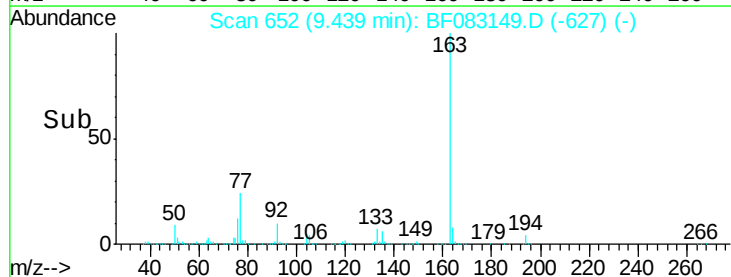
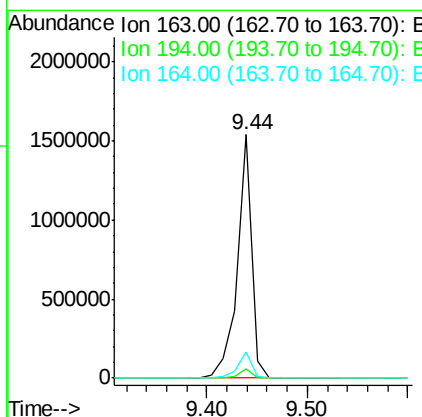
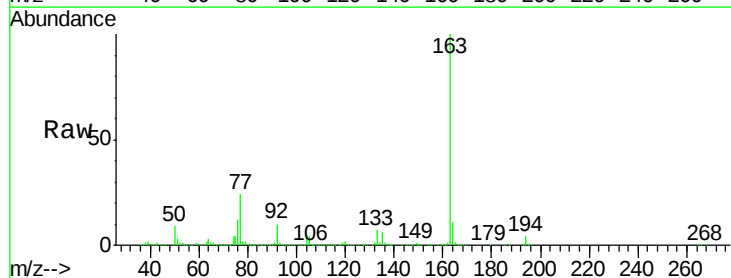
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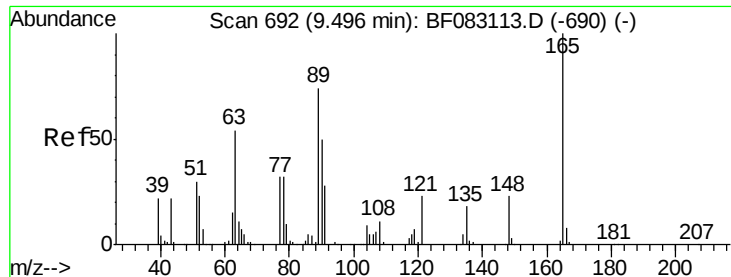
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#49
Dimethylphthalate
Concen: 49.17 ng
RT: 9.44 min Scan# 652
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion:163 Resp: 1527790
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 10.7 8.6 12.8





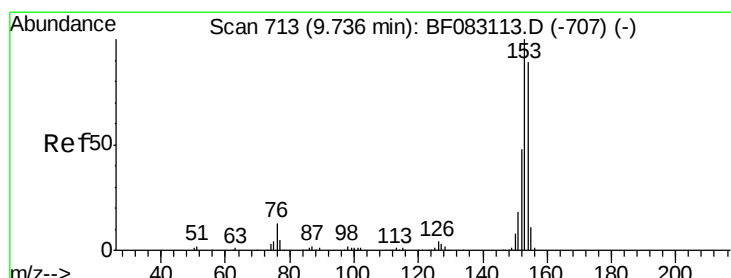
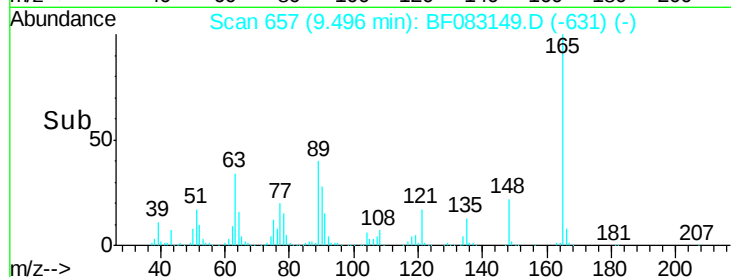
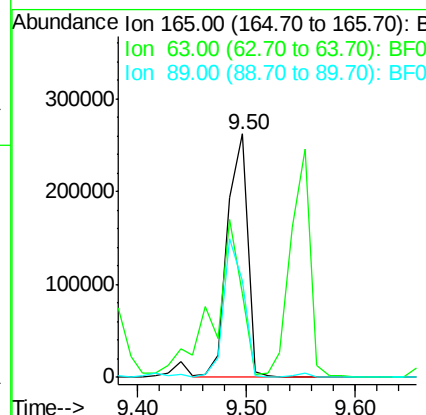
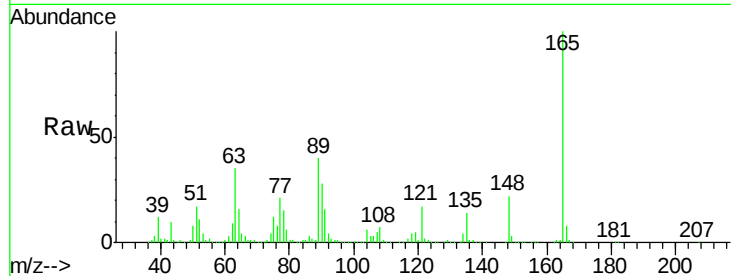
#50
2,6-Dinitrotoluene
Concen: 48.33 ng
RT: 9.50 min Scan# 657
Delta R.T. 0.00 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	34.5	62.5	93.7#	
89	39.7	59.1	88.7#	

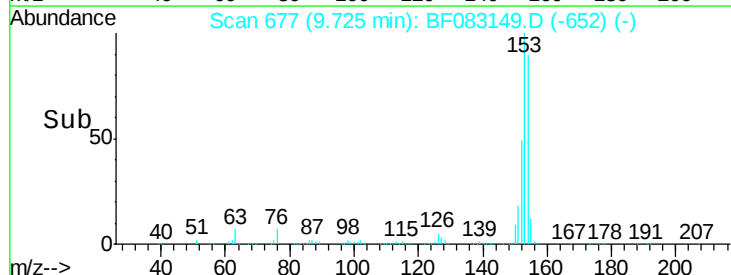
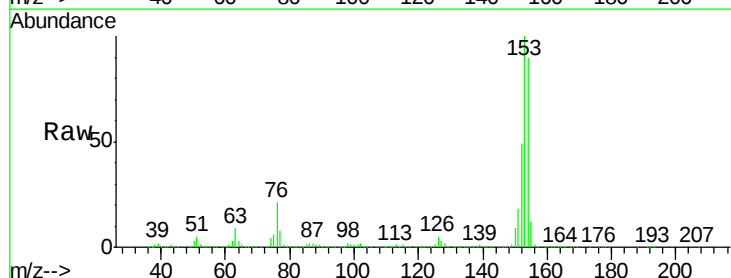
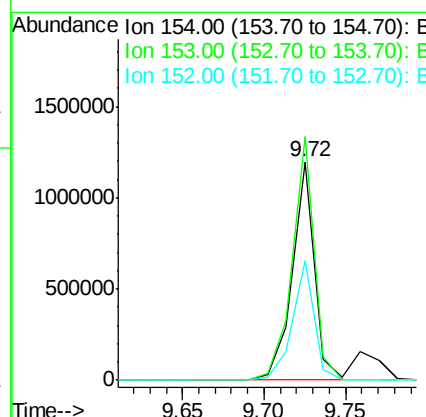
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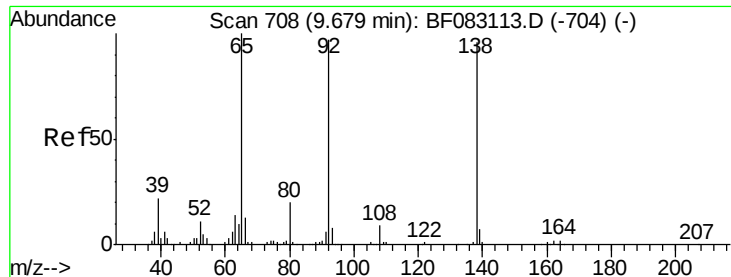
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#51
Acenaphthene
Concen: 44.53 ng
RT: 9.72 min Scan# 677
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	111.6	89.6	134.4	
152	54.6	43.3	64.9	





#52

3-Nitroaniline

Concen: 6.75 ng

RT: 9.66 min Scan# 671

Delta R.T. -0.02 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

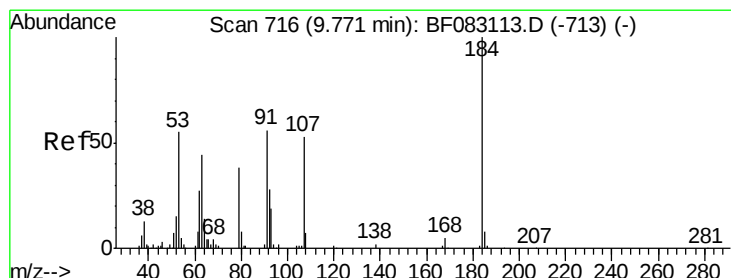
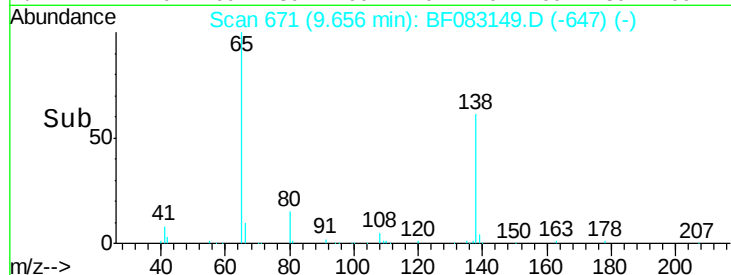
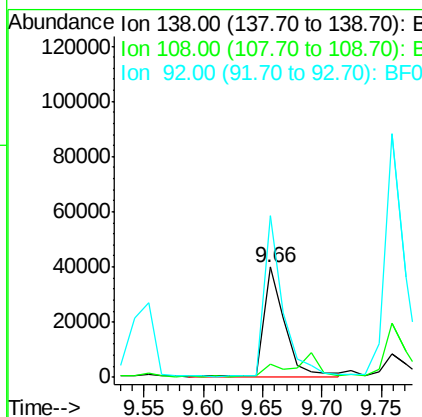
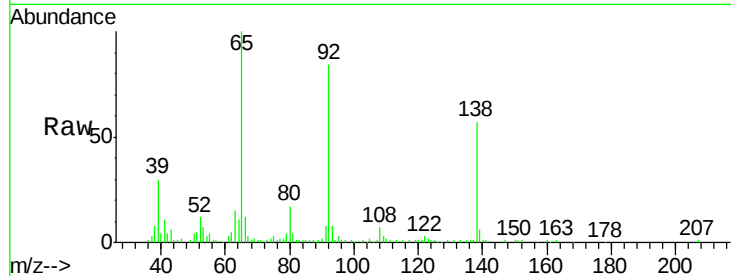
ClientSampleId :

MW-14A-111815MSD

Tot Ion	Ion	Ratio	Lower	Upper
138	100			
108	12.2	7.8	11.6#	
92	147.5	81.1	121.7#	

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#53

2,4-Dinitrophenol

Concen: 87.98 ng

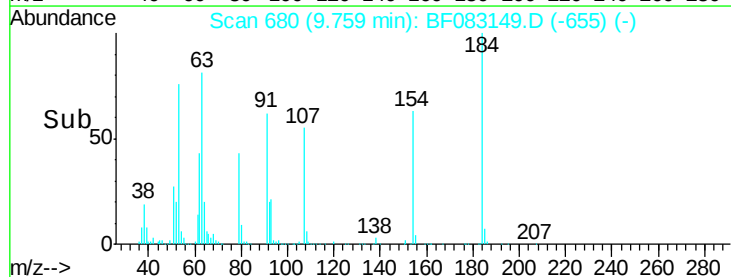
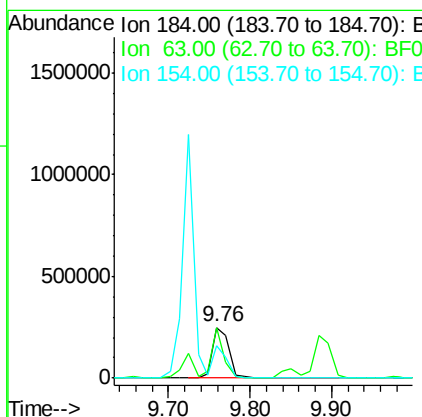
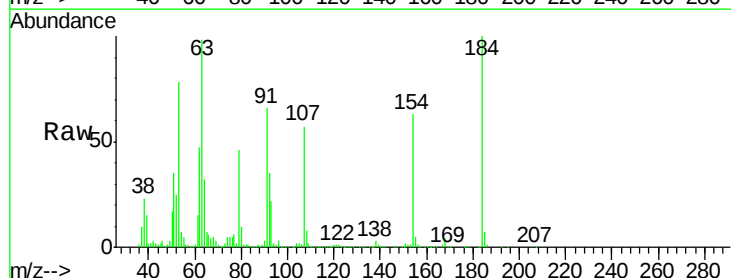
RT: 9.76 min Scan# 680

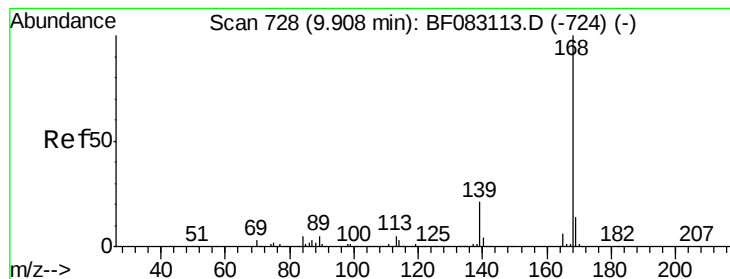
Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Tgt Ion	Ion	Ratio	Lower	Upper
184	100			
63	97.8	60.5	90.7#	
154	63.1	54.3	81.5	





#54

Dibenzenofuran

Concen: 44.05 ng

RT: 9.90 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

ClientSampleId :

MW-14A-111815MSD

Tot Ion:168 Resp: 1585098

Ion Ratio Lower Upper

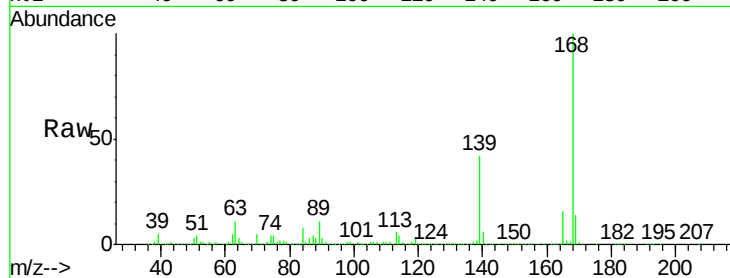
168 100

139 41.5 30.2 45.2

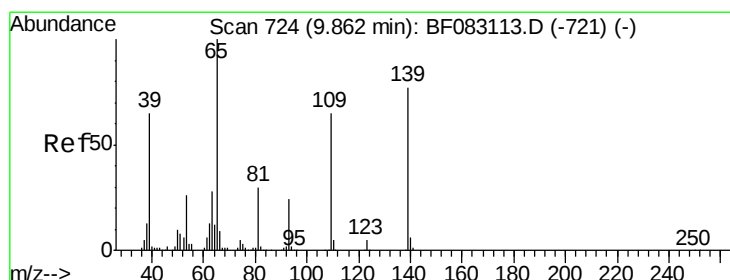
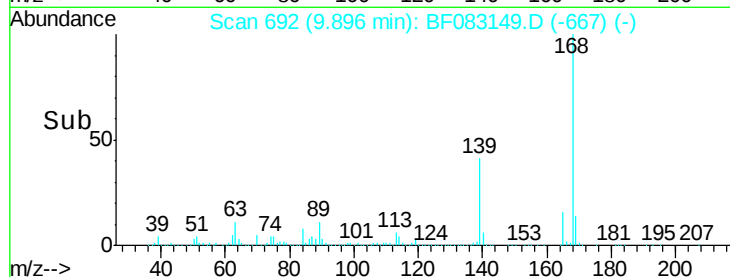
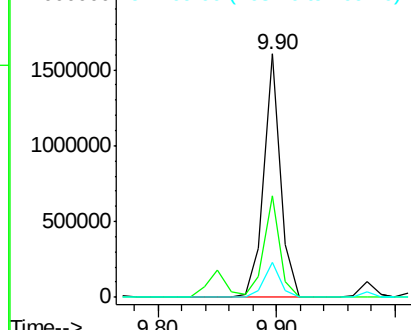
169 14.2 10.9 16.3

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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 36.95 ng

RT: 9.85 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

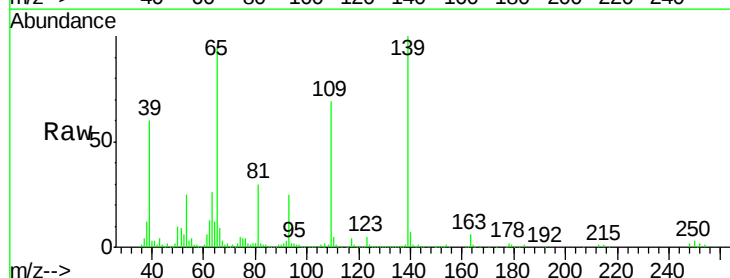
Tgt Ion:139 Resp: 210630

Ion Ratio Lower Upper

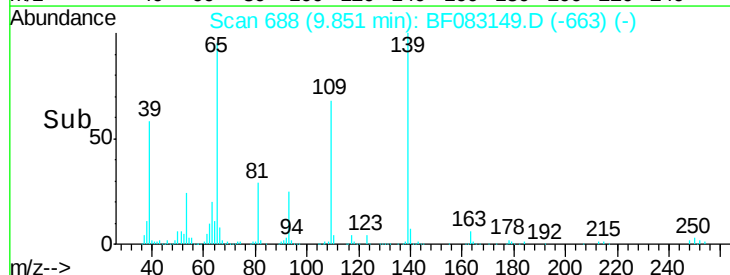
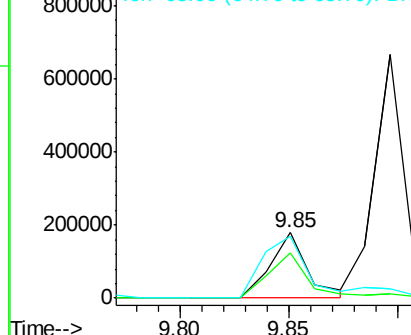
139 100

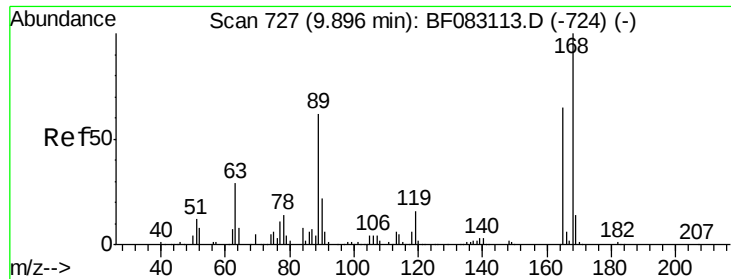
109 68.5 64.0 104.0

65 95.0 109.5 149.5#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





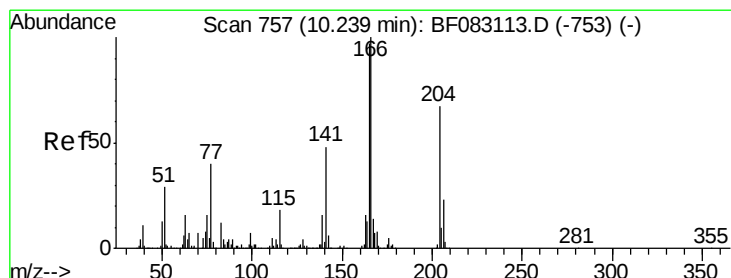
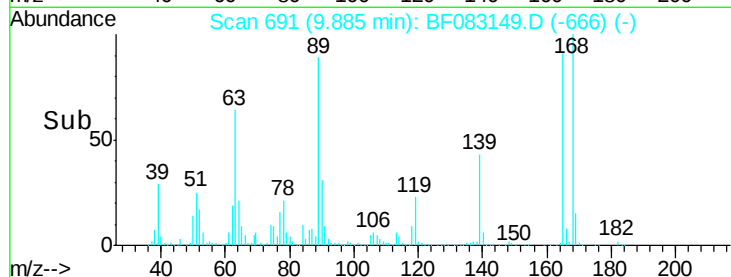
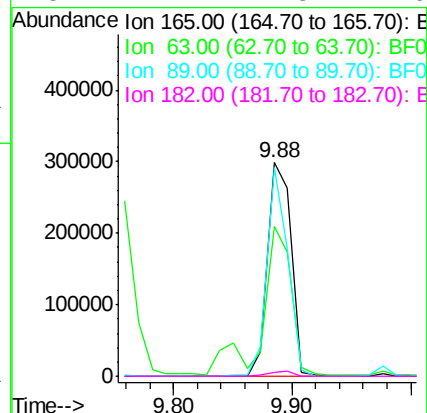
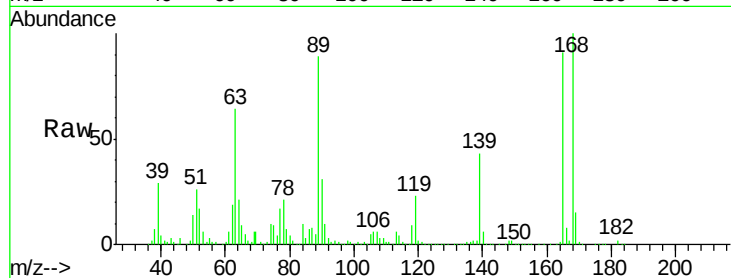
#56
2,4-Dinitrotoluene
Concen: 46.76 ng
RT: 9.88 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	413057		
63	70.4	54.5	81.7	
89	97.7	77.3	115.9	
182	2.1	1.8	2.6	

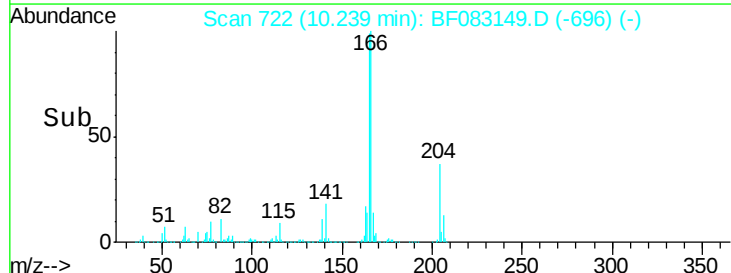
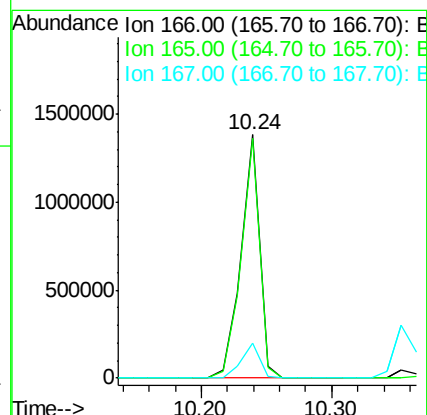
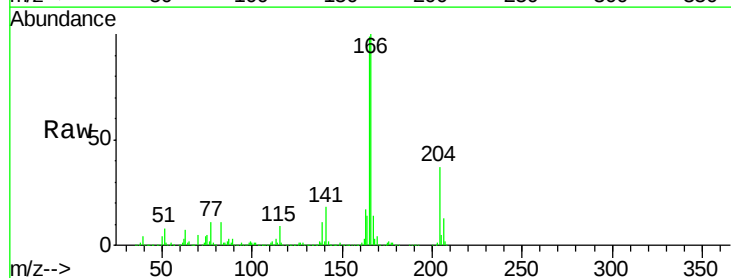
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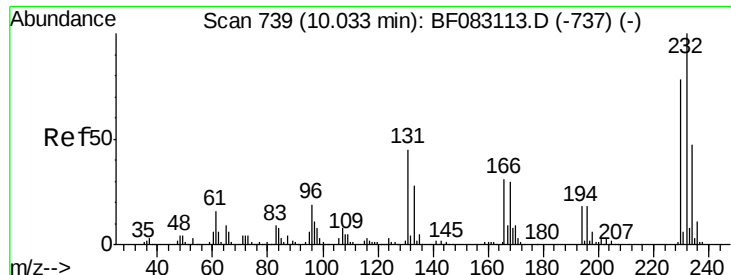
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#57
Fluorene
Concen: 45.68 ng
RT: 10.24 min Scan# 722
Delta R.T. 0.00 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1358245		
165	98.6	78.0	117.0	
167	14.2	11.3	16.9	





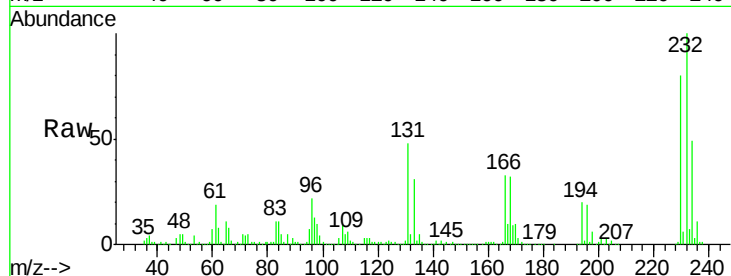
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 47.90 ng
 RT: 10.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: BF083149.D
 Acq: 22 Nov 2015 10:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-14A-111815MSD

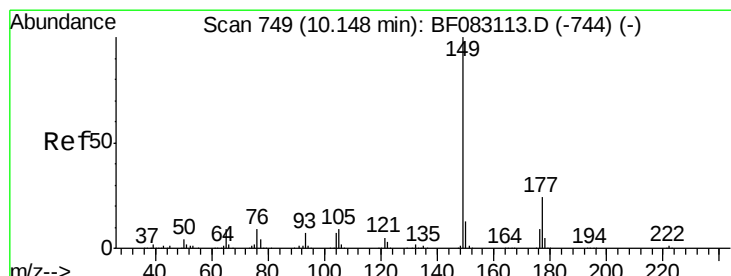
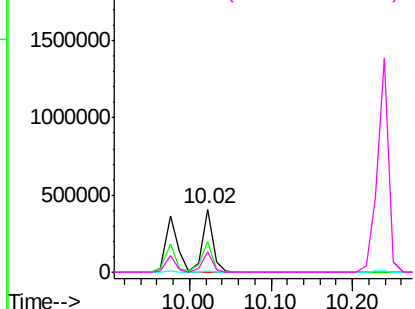
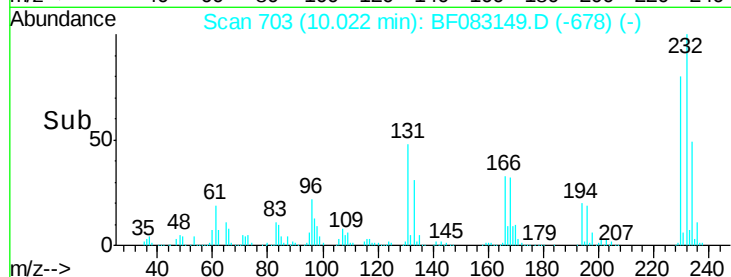
Tot Ion	Ratio	Lower	Upper
232	100		
131	48.2	38.6	57.8
130	2.4	1.9	2.9
166	32.4	25.4	38.0

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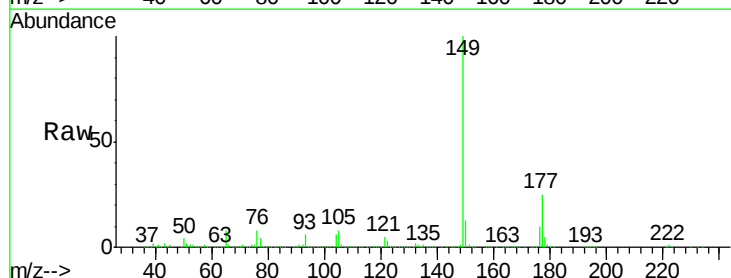


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

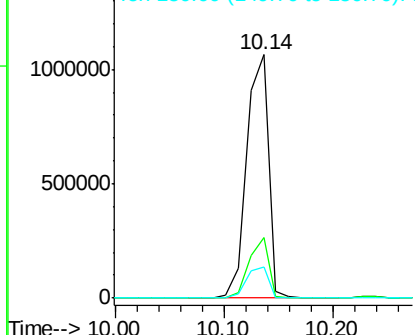
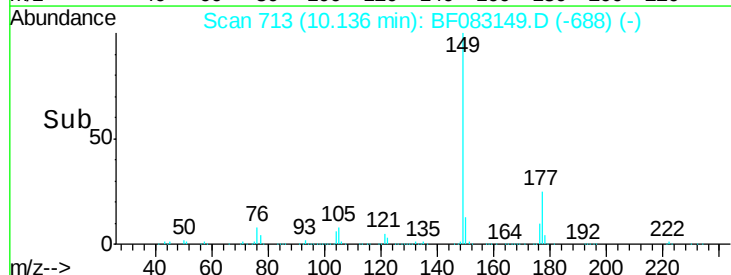


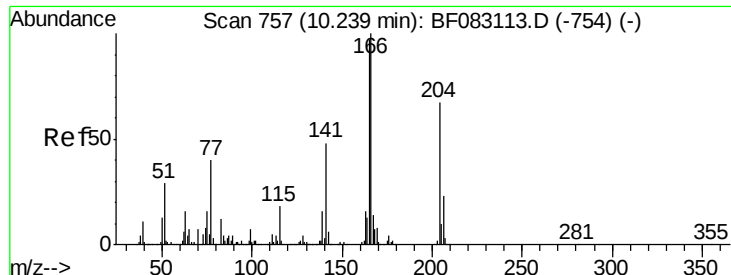
#59
 Diethylphthalate
 Concen: 47.72 ng
 RT: 10.14 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: BF083149.D
 Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.9	19.4	29.2
150	12.6	10.2	15.2



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





#60

4-Chlorophenyl-phenylether

Concen: 45.25 ng

RT: 10.24 min Scan# 722

Delta R.T. 0.00 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

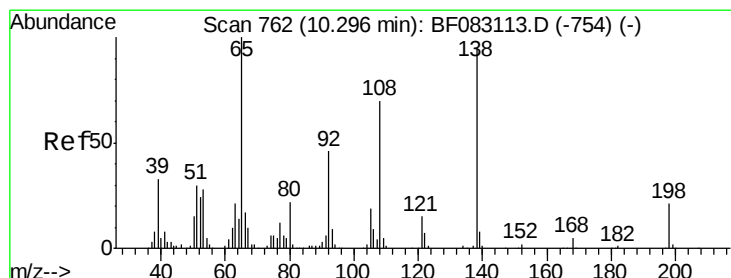
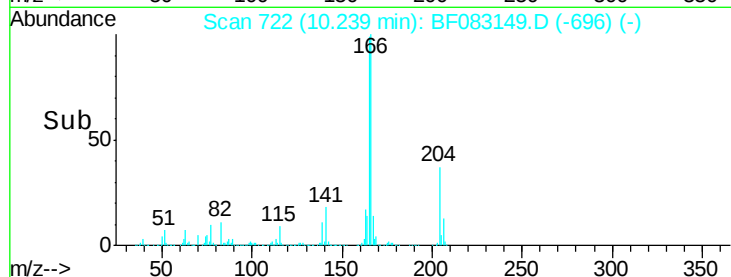
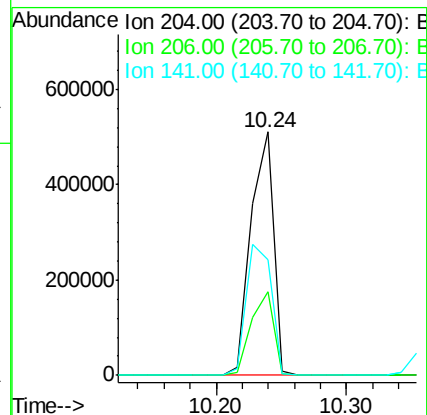
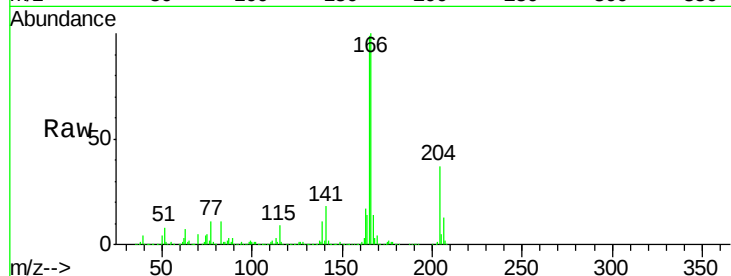
ClientSampleId :

MW-14A-111815MSD

Tot Ion:	204	Resp:	616335
Ion Ratio	Lower	Upper	
204	100		
206	34.4	27.4	41.0
141	47.7	57.4	86.2#

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11/23/2015 7:01:51 PM



#61

4-Nitroaniline

Concen: 17.15 ng

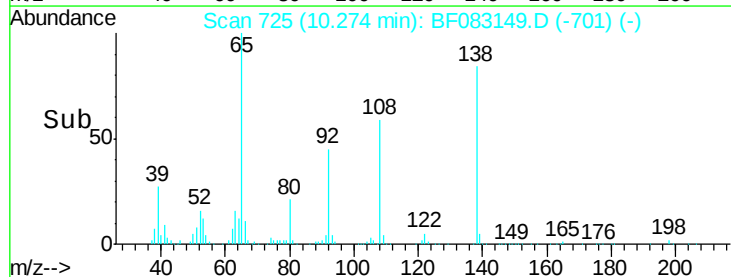
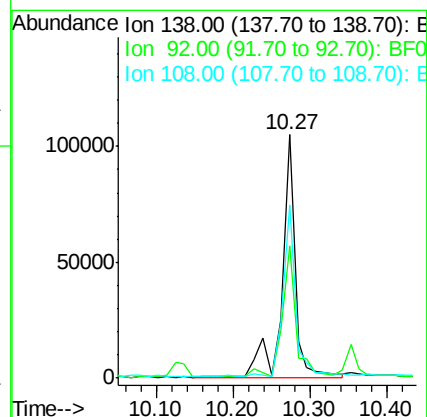
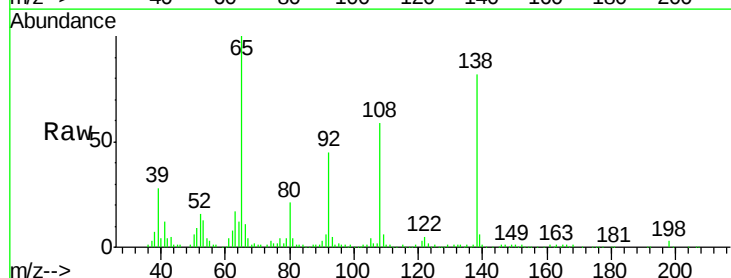
RT: 10.27 min Scan# 725

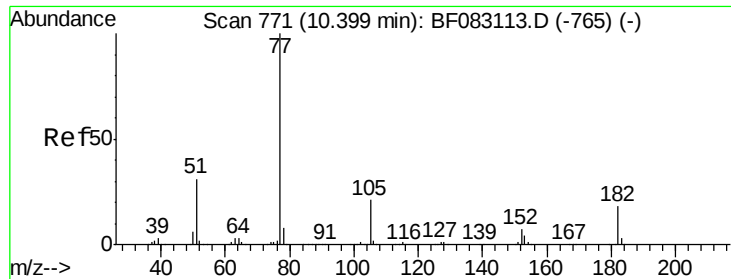
Delta R.T. -0.02 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Tgt Ion:	138	Resp:	125542
Ion Ratio	Lower	Upper	
138	100		
92	54.4	28.4	68.4
108	71.1	53.5	93.5





#62

Azobenzene

Concen: 45.47 ng

RT: 10.39 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

ClientSampleId :

MW-14A-111815MSD

Tot Ion: 77 Resp: 1605270

Ion Ratio Lower Upper

77 100

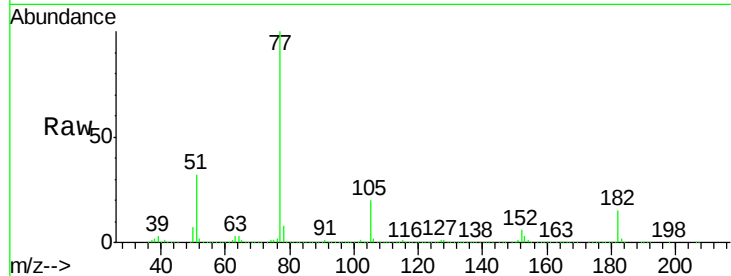
182 15.4 0.0 38.3

105 20.3 1.2 41.2

51 32.2 11.1 51.1

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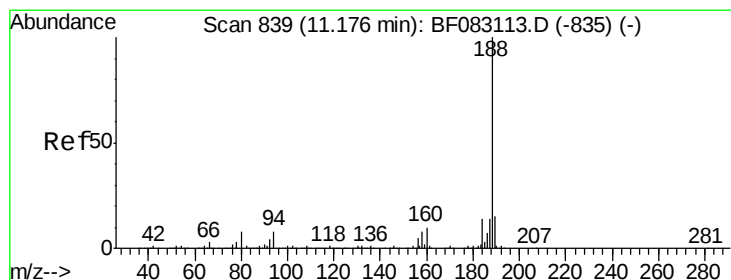
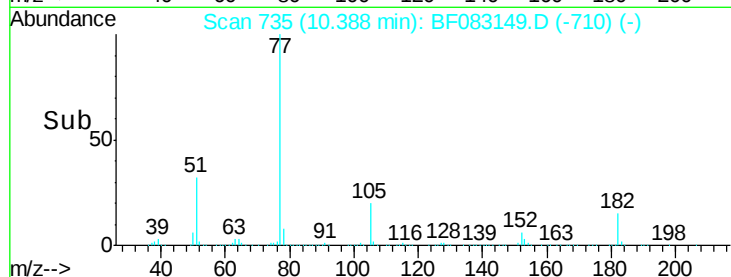
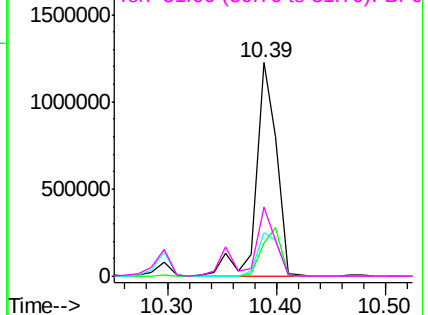


Abundance Ion 77.00 (76.70 to 77.70): BF0

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): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.17 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

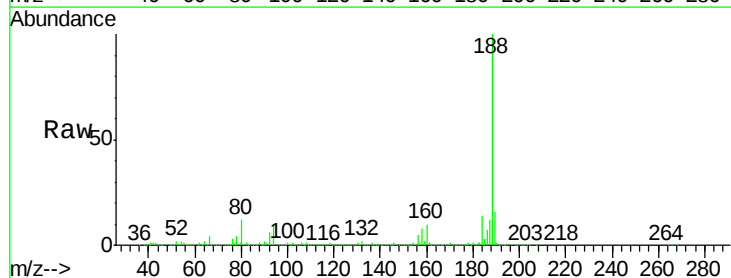
Tgt Ion: 188 Resp: 707143

Ion Ratio Lower Upper

188 100

94 10.4 6.0 9.0#

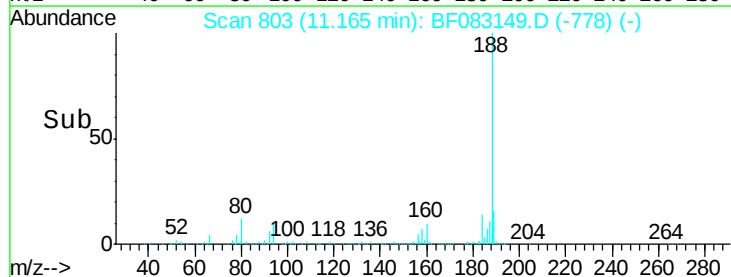
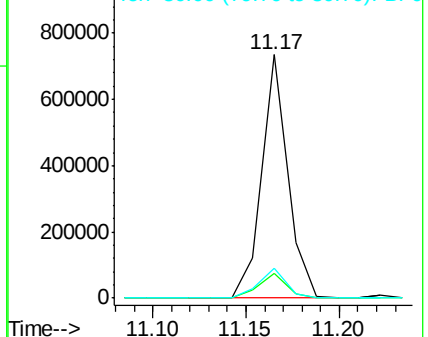
80 12.1 6.7 10.1#

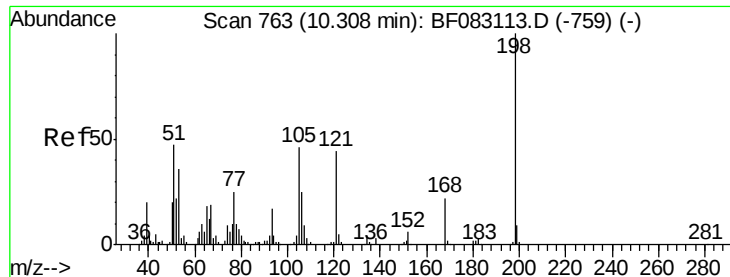


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





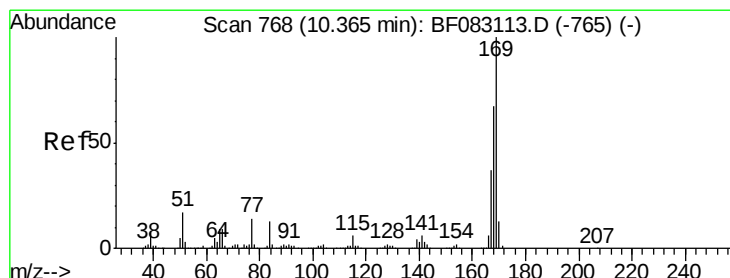
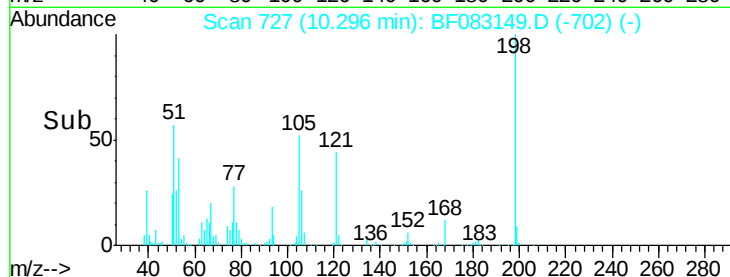
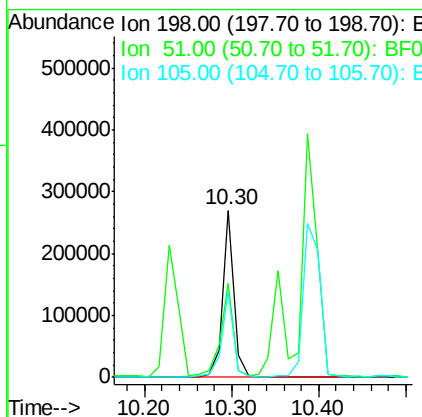
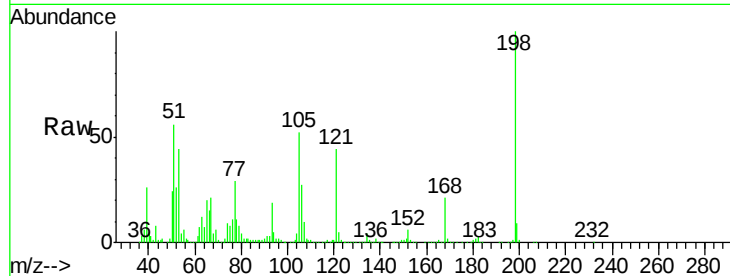
#64
4,6-Dinitro-2-methylphenol
Concen: 50.79 ng
RT: 10.30 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	247459		
51	56.3	27.0	67.0	
105	51.9	26.1	66.1	

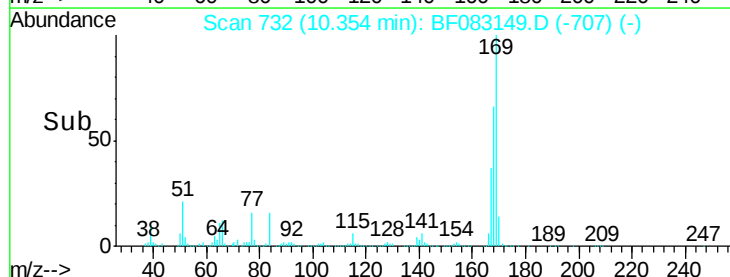
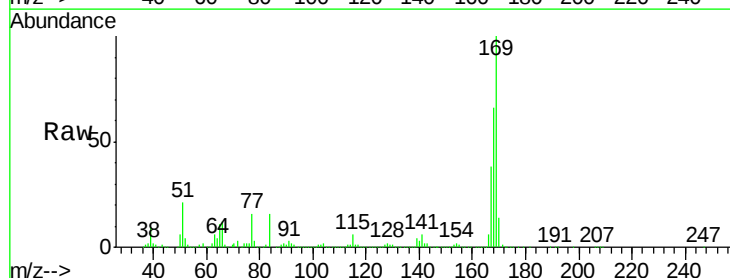
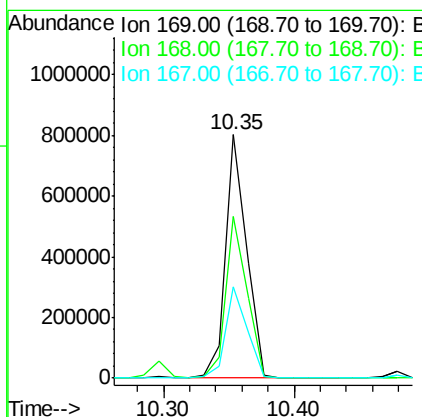
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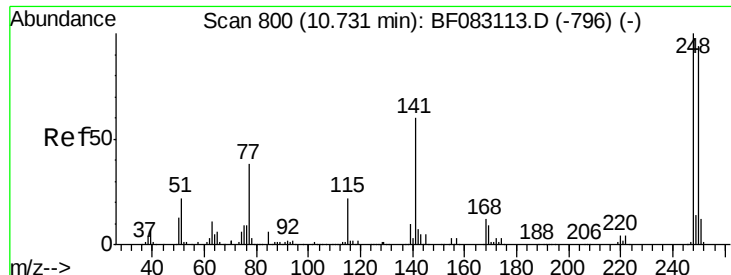
Mmdadoda
11/23/2015 7:01:51 PM



#65
n-Nitrosodiphenylamine
Concen: 37.27 ng
RT: 10.35 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	896269		
168	66.2	53.8	80.6	
167	37.5	29.8	44.8	





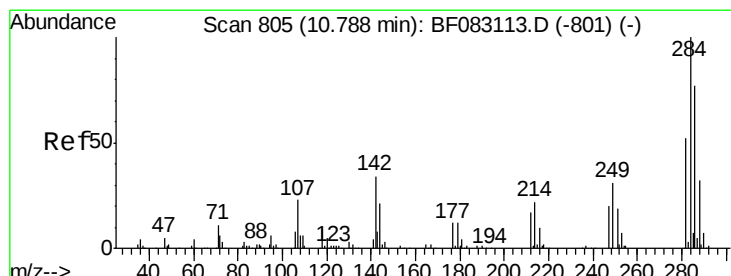
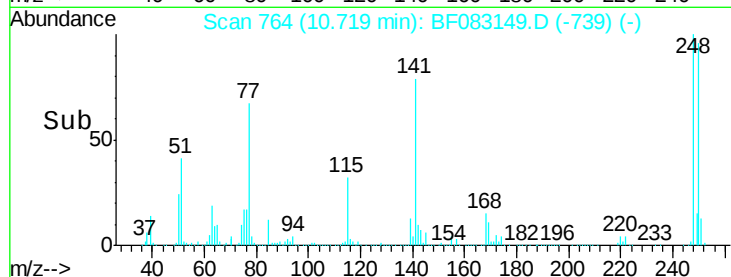
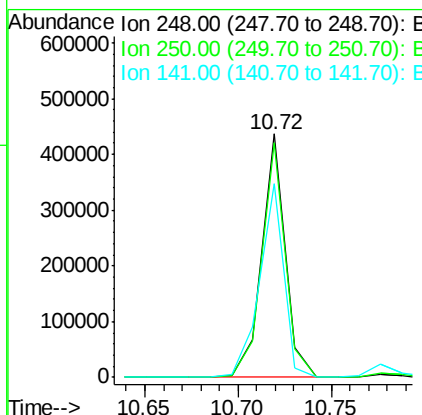
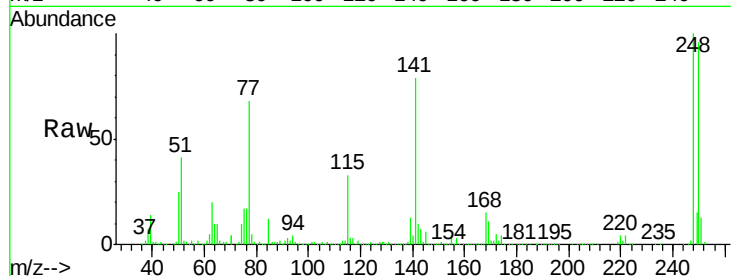
#66
4-Bromophenyl-phenylether
Concen: 49.17 ng
RT: 10.72 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion	Ratio	Resp	Lower	Upper
248	100			
250	96.4	75.4	113.2	
141	79.5	48.1	72.1	

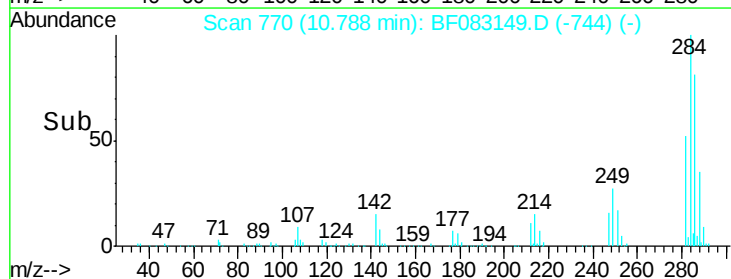
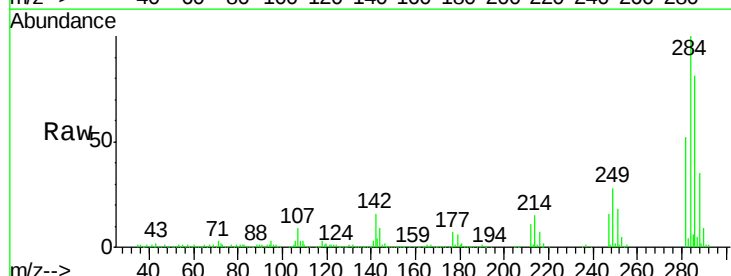
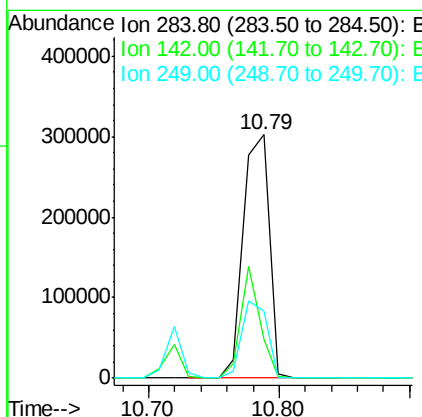
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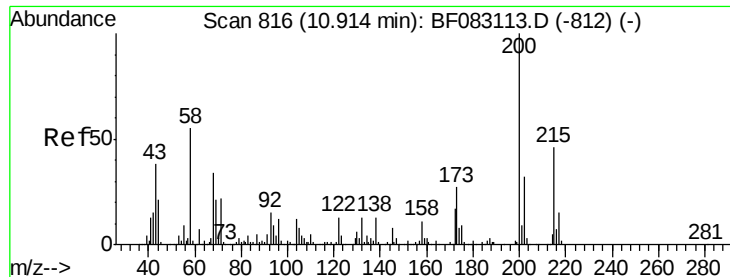
Mmdadoda
11/23/2015 7:01:51 PM



#67
Hexachlorobenzene
Concen: 48.43 ng
RT: 10.79 min Scan# 770
Delta R.T. 0.00 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
284	100			
142	16.0	27.6	41.4	
249	27.6	25.5	38.3	





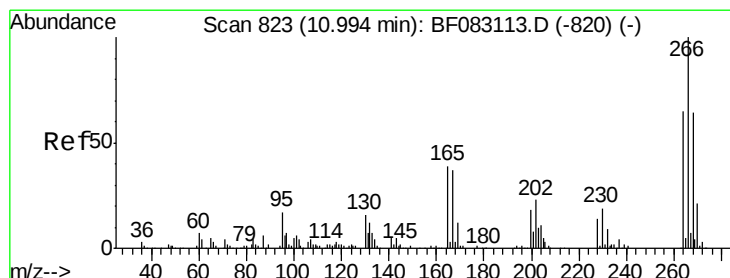
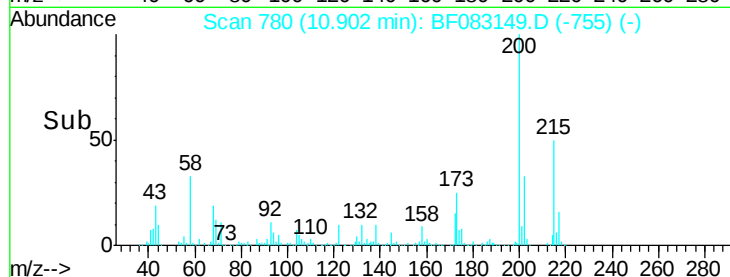
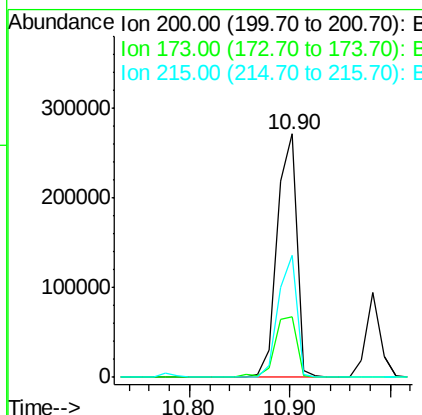
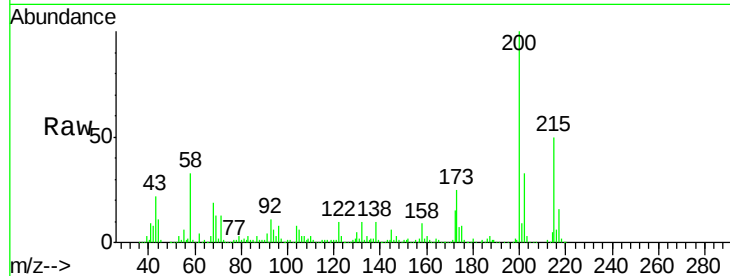
#68
 Atrazine
 Concen: 52.63 ng
 RT: 10.90 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: BF083149.D
 Acq: 22 Nov 2015 10:24

Instrument :
 BNA_F
 ClientSampleId :
 MW-14A-111815MSD

Tot Ion:	200	Resp:	367558
Ion Ratio	Lower	Upper	
200	100		
173	24.8	7.2	47.2
215	50.0	25.7	65.7

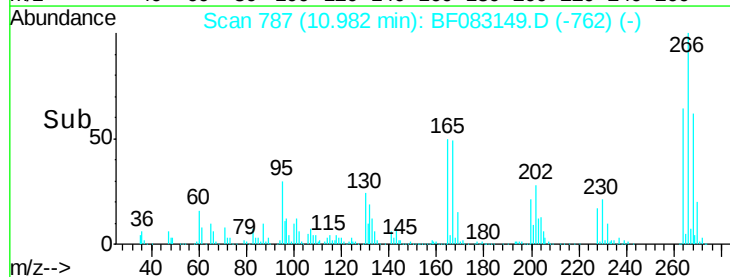
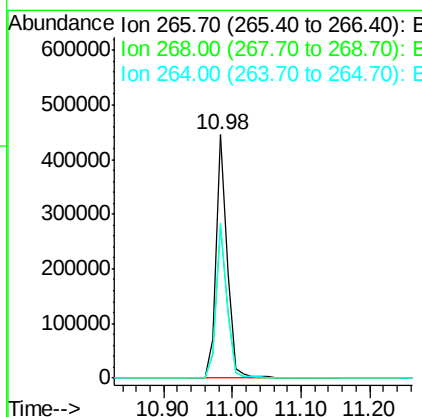
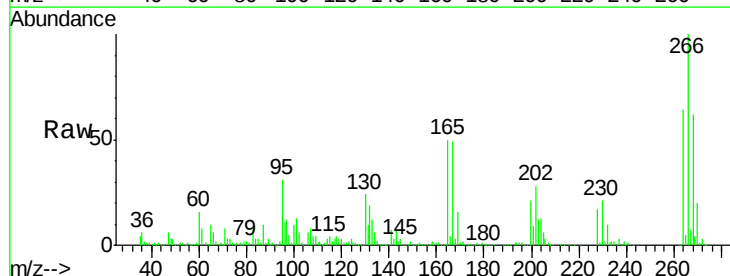
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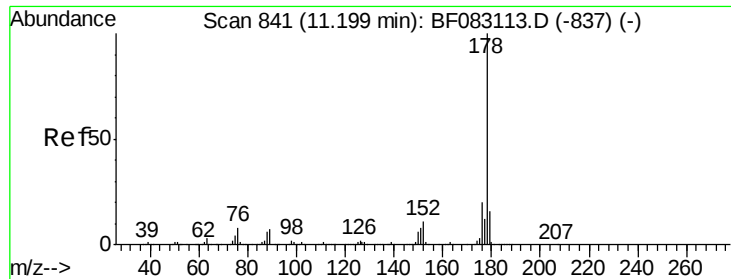
Mmdadoda
 11/23/2015 7:01:51 PM



#69
 Pentachlorophenol
 Concen: 91.17 ng
 RT: 10.98 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF083149.D
 Acq: 22 Nov 2015 10:24

Tgt Ion:	266	Resp:	513150
Ion Ratio	Lower	Upper	
266	100		
268	62.2	51.4	77.0
264	63.9	51.7	77.5





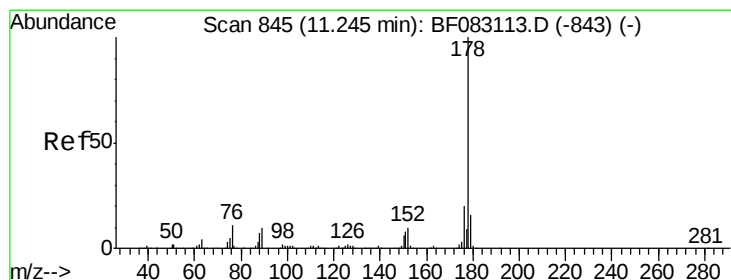
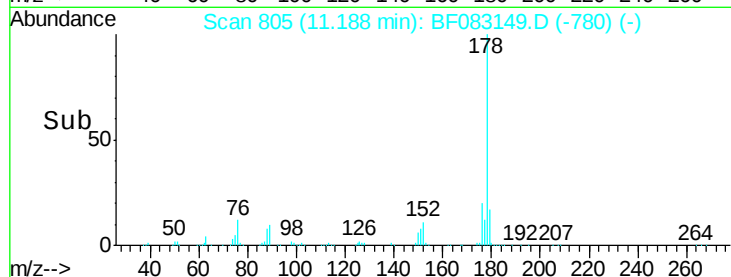
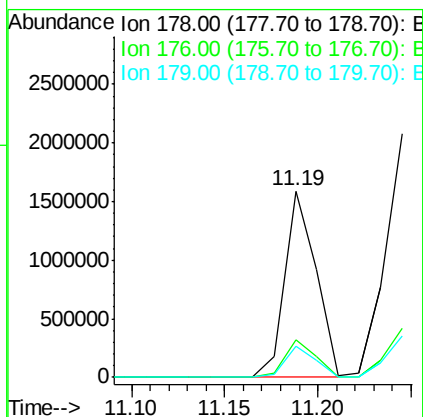
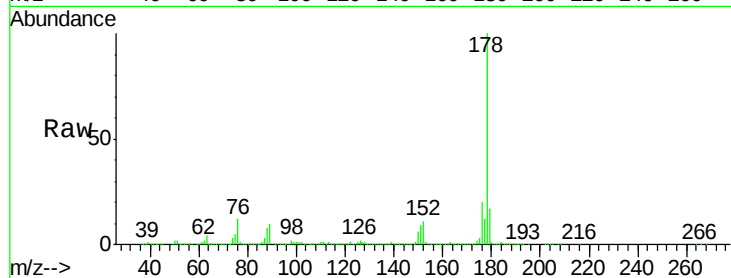
#70
Phenanthrene
Concen: 45.66 ng
RT: 11.19 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion:178 Resp: 1860192
Ion Ratio Lower Upper
178 100
176 20.2 16.2 24.2
179 16.6 12.8 19.2

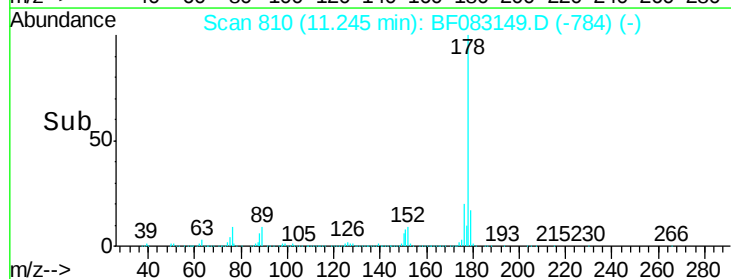
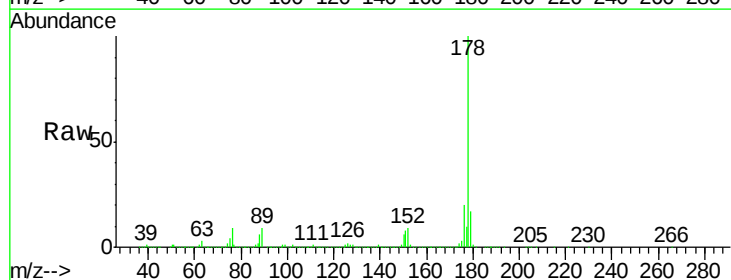
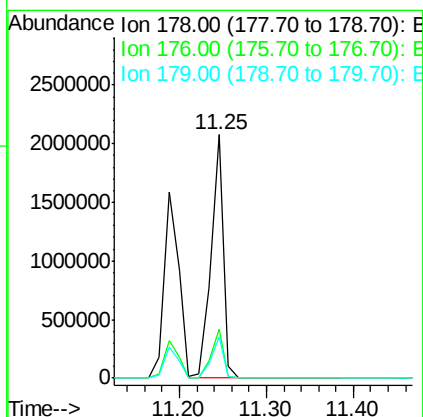
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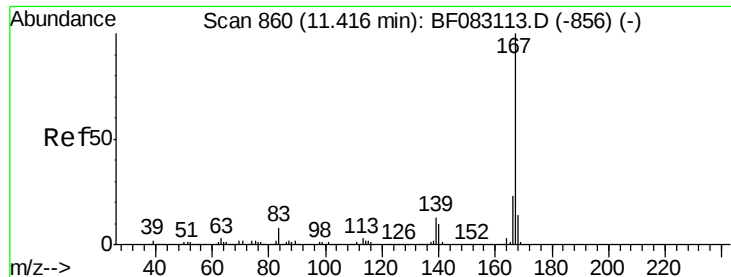
Mmdadoda
11/23/2015 7:01:51 PM



#71
Anthracene
Concen: 49.30 ng
RT: 11.25 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion:178 Resp: 2049107
Ion Ratio Lower Upper
178 100
176 20.3 15.6 23.4
179 17.0 13.2 19.8





#72

Carbazole

Concen: 47.17 ng

RT: 11.41 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

ClientSampleId :

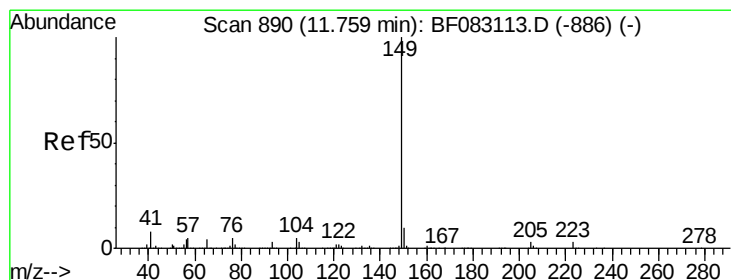
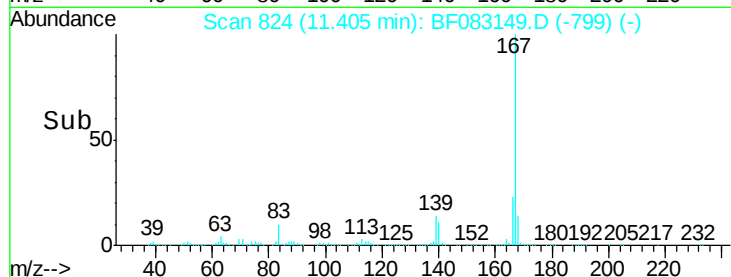
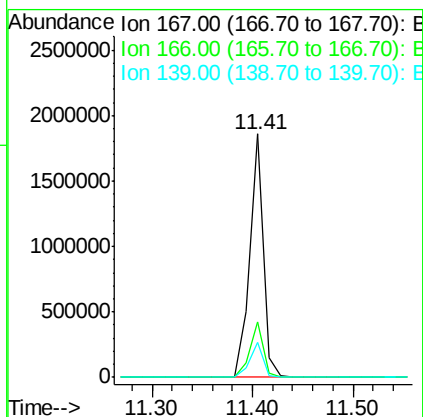
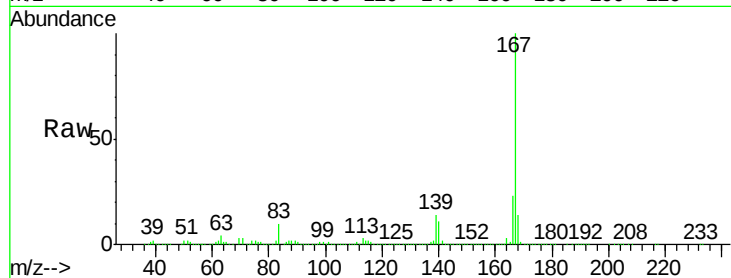
MW-14A-111815MSD

Manual Integrations
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Tot Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.0	27.0
139	14.1	10.5	15.7



#73

Di-n-butylphthalate

Concen: 50.57 ng

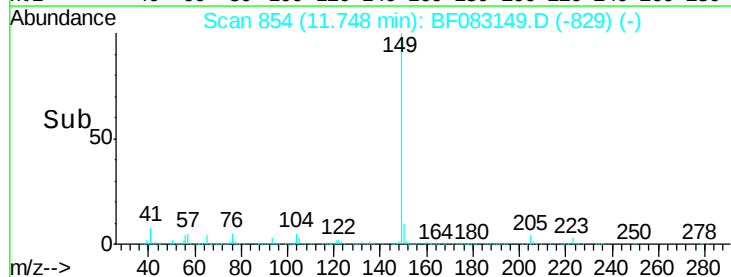
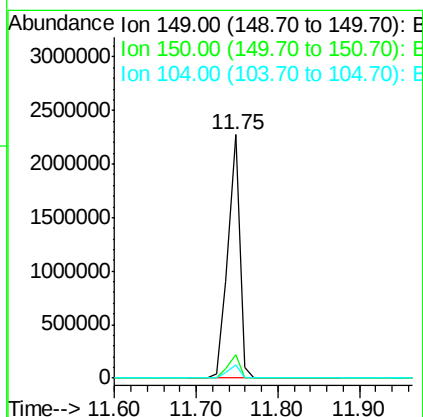
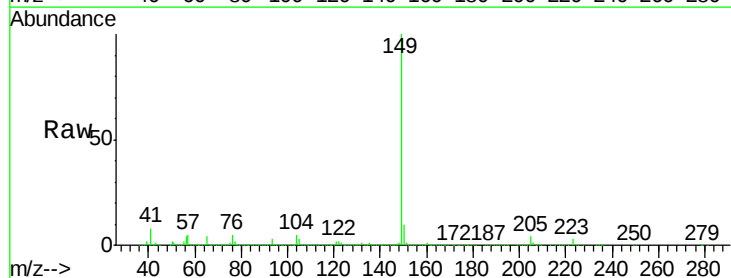
RT: 11.75 min Scan# 854

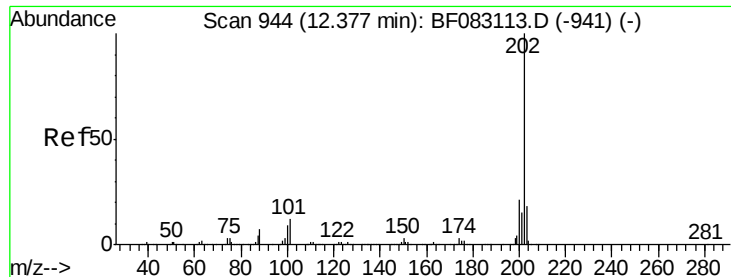
Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.9	8.0	12.0
104	5.2	4.4	6.6





#74

Fluoranthene

Concen: 48.10 ng

RT: 12.38 min Scan# 909

Delta R.T. 0.00 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

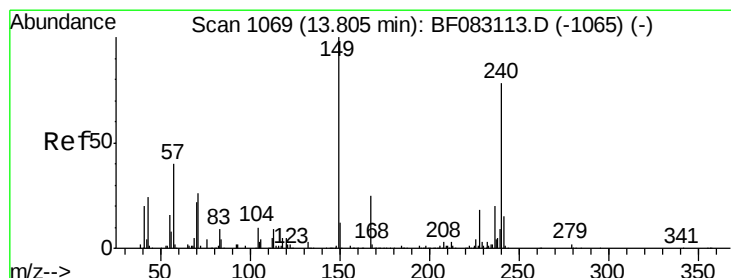
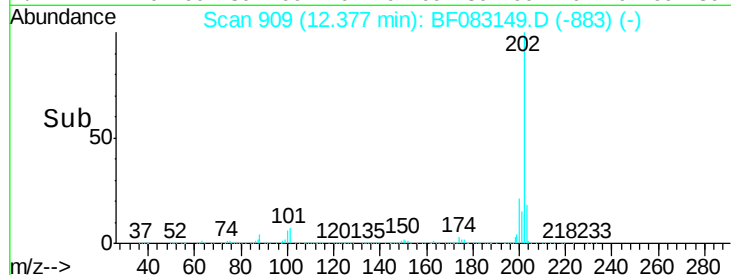
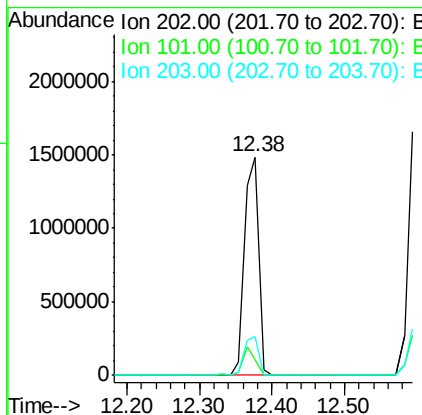
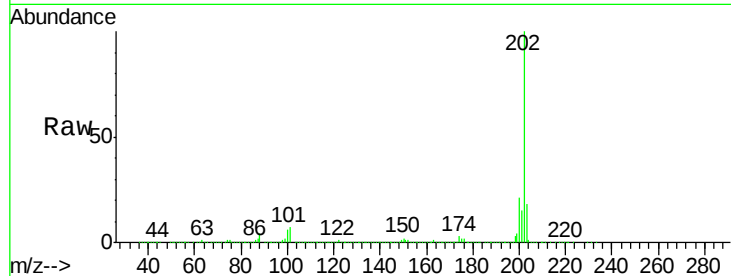
ClientSampleId :

MW-14A-111815MSD

Tot Ion:	202	Resp:	2005465
Ion Ratio	Lower	Upper	
202	100		
101	6.9	0.0	32.3
203	17.7	0.0	38.4

Manual Integrations
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11/23/2015 7:01:51 PM



#75

Chrysene-d12

Concen: 20.00 ng

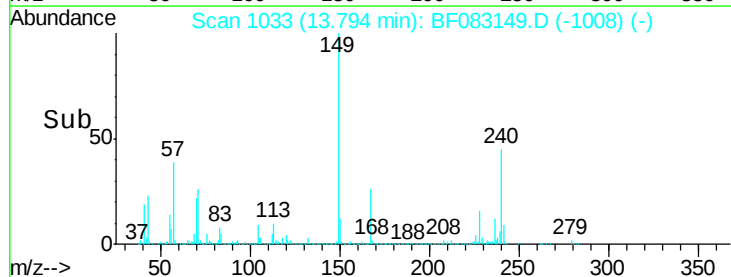
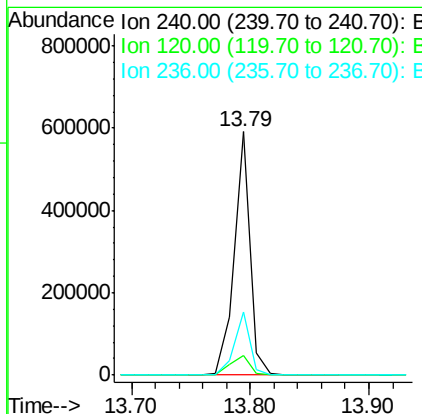
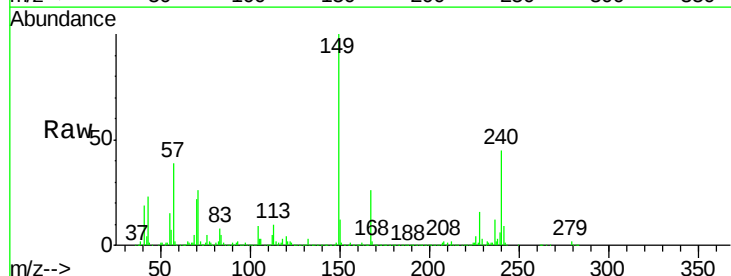
RT: 13.79 min Scan# 1033

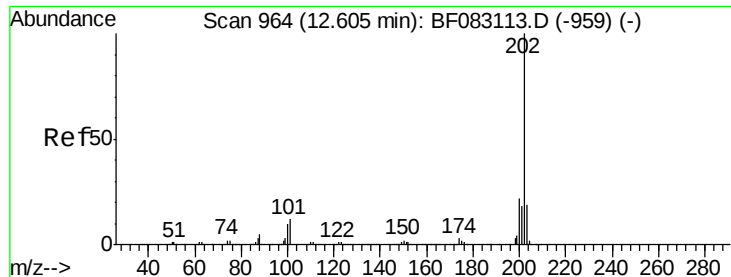
Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Tgt Ion:	240	Resp:	548541
Ion Ratio	Lower	Upper	
240	100		
120	8.2	5.4	8.2#
236	26.1	20.6	31.0





#77

Pvrene

Concen: 50.12 ng

RT: 12.59 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

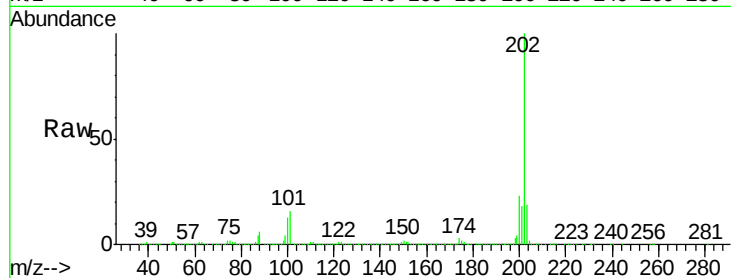
ClientSampleId :

MW-14A-111815MSD

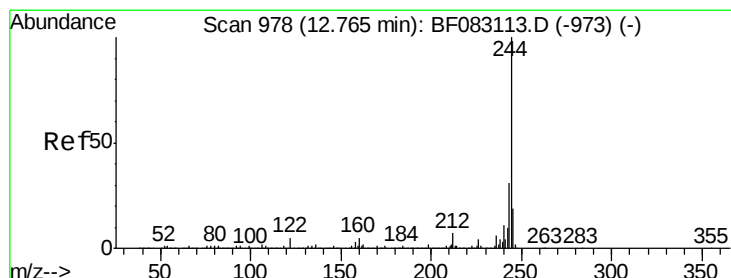
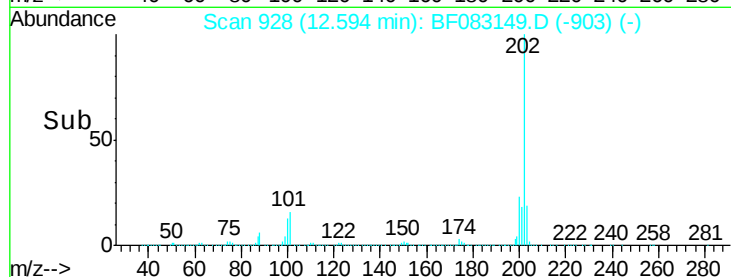
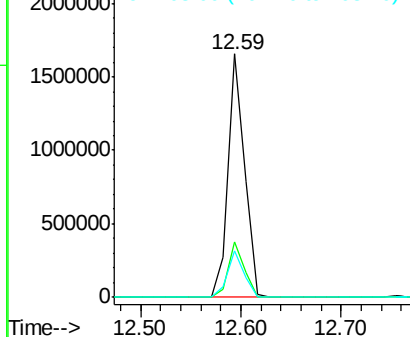
Tot Ion:	202	Resp:	1878153
Ion	Ratio	Lower	Upper
202	100		
200	22.9	17.8	26.6
203	19.3	15.0	22.4

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



#78

Terphenyl-d14

Concen: 93.77 ng

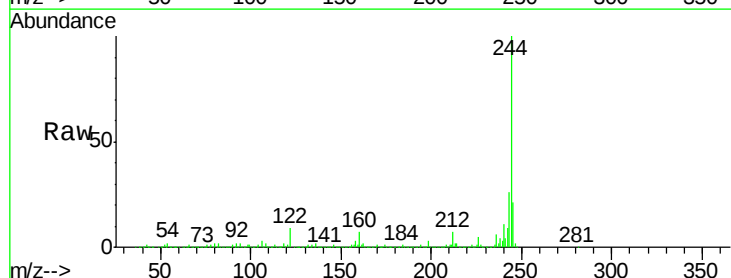
RT: 12.75 min Scan# 942

Delta R.T. -0.01 min

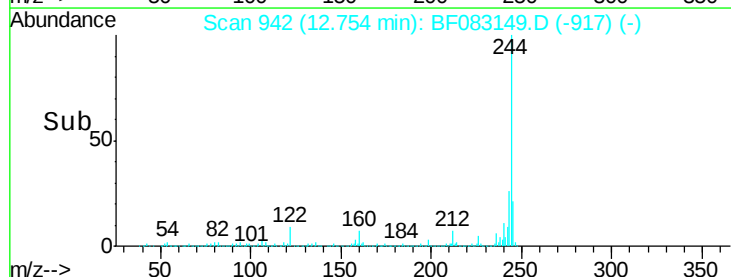
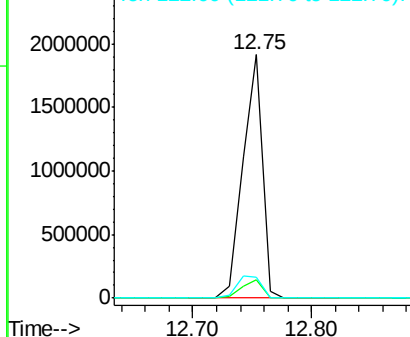
Lab File: BF083149.D

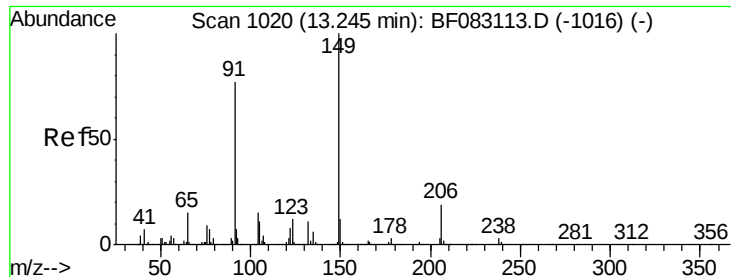
Acq: 22 Nov 2015 10:24

Tgt Ion:	244	Resp:	2184314
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.2
122	8.8	4.3	6.5#



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





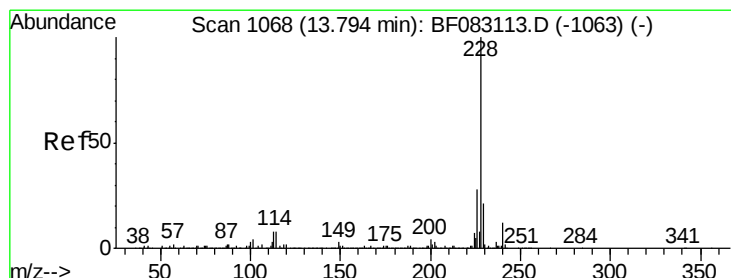
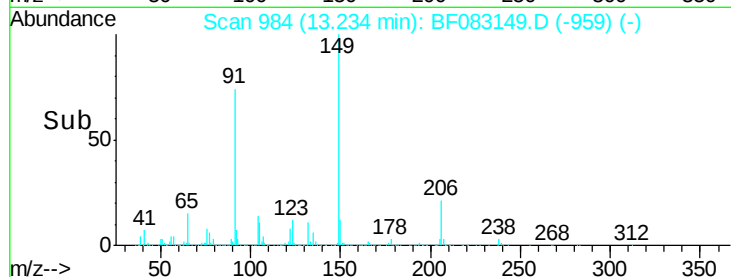
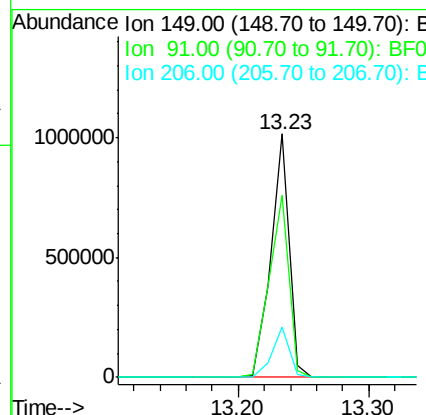
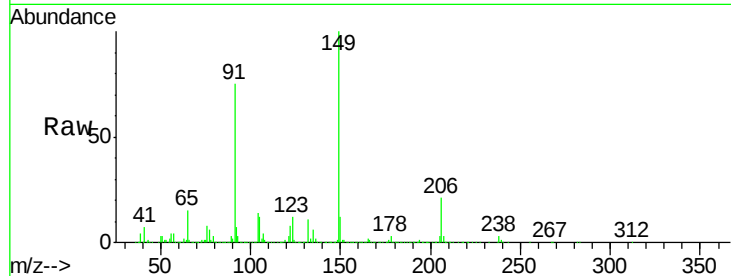
#79
Butylbenzylphthalate
Concen: 56.36 ng
RT: 13.23 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	999638		
91	74.7	61.5	92.3	
206	20.7	15.3	22.9	

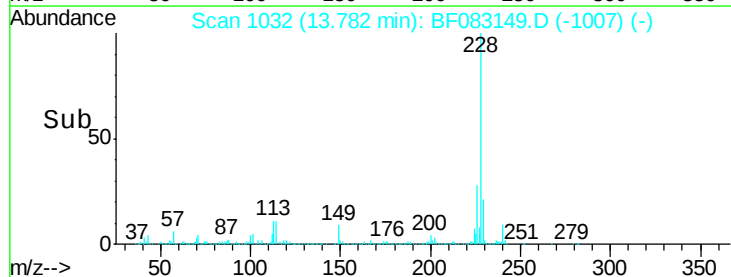
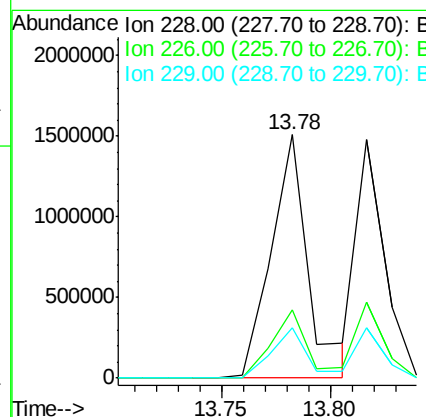
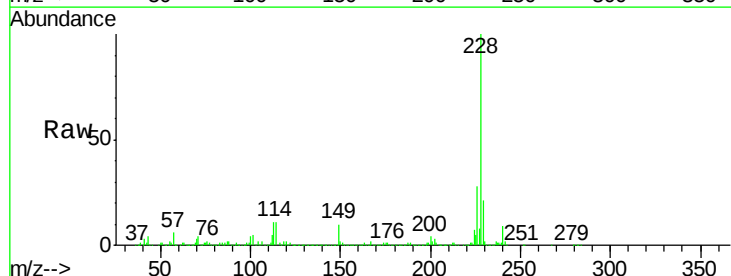
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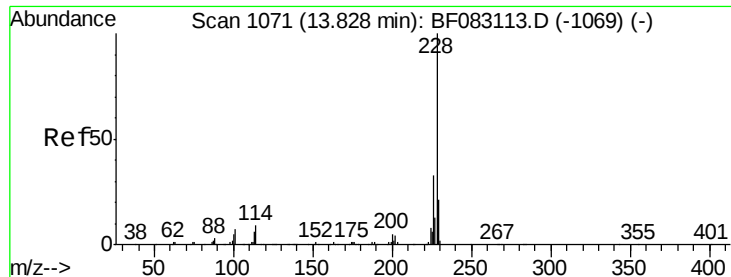
Mmdadoda
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#80
Benzo(a)anthracene
Concen: 53.14 ng
RT: 13.78 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1802843		
226	28.1	22.6	33.8	
229	20.6	16.6	24.8	





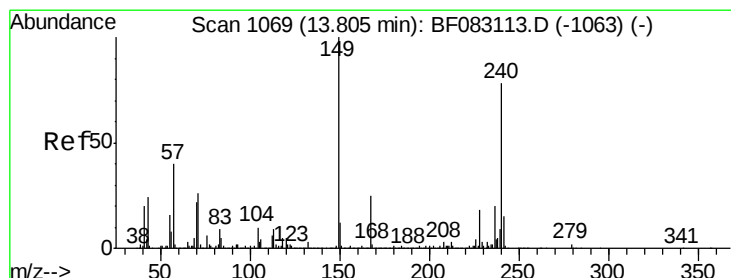
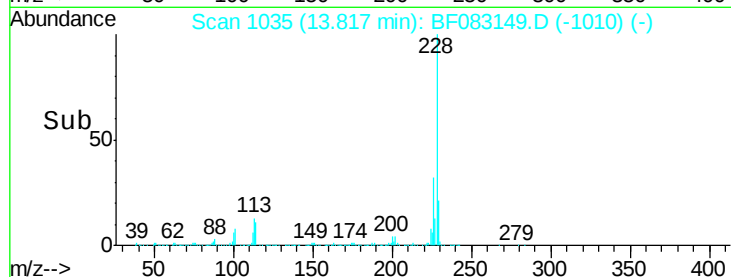
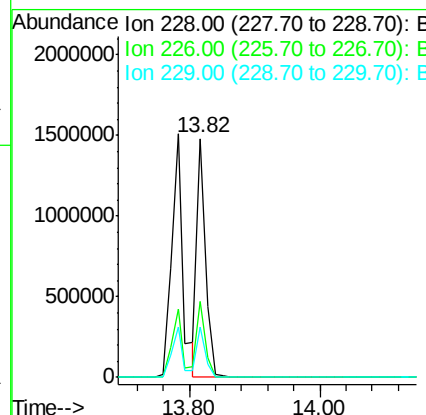
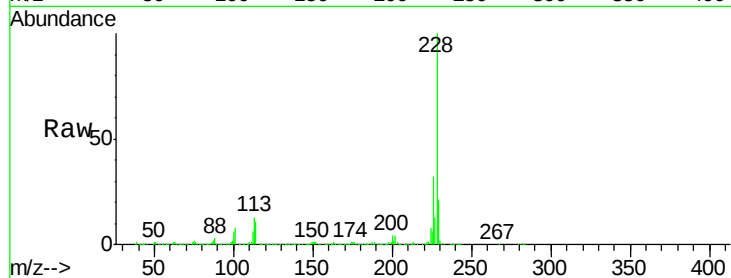
#82
Chrysene
Concen: 42.79 ng
RT: 13.82 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion:228 Resp: 1346365
Ion Ratio Lower Upper
228 100
226 31.6 25.5 38.3
229 21.0 16.6 25.0

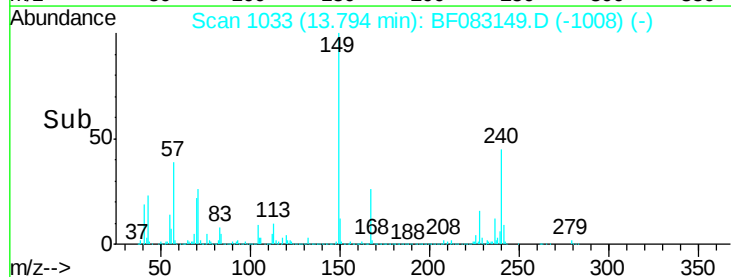
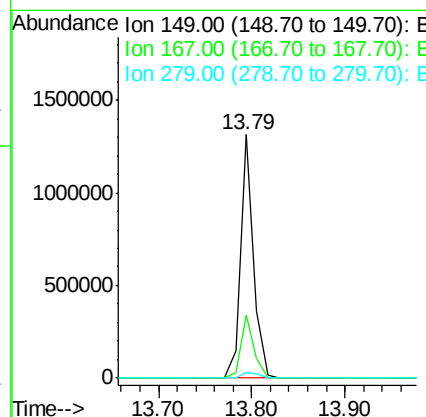
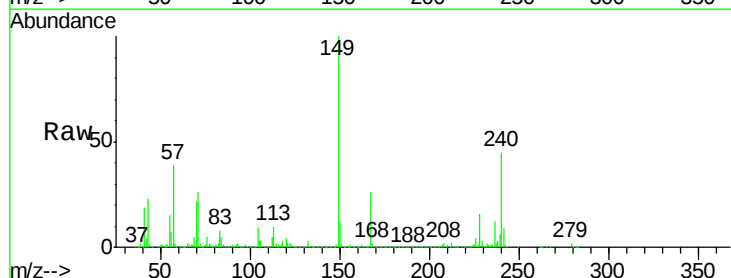
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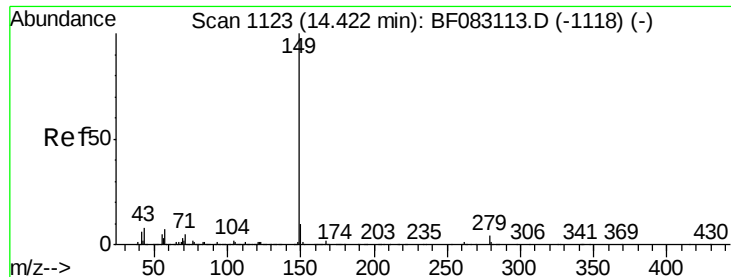
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#83
Bis(2-ethylhexyl)phthalate
Concen: 54.62 ng
RT: 13.79 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion:149 Resp: 1265346
Ion Ratio Lower Upper
149 100
167 26.2 20.1 30.1
279 2.5 1.7 2.5





#84

Di-n-octyl phthalate

Concen: 52.98 ng

RT: 14.40 min Scan# 1086

Delta R.T. -0.02 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

ClientSampleId :

MW-14A-111815MSD

Tot Ion:149 Resp: 2112719

Ion Ratio Lower Upper

149 100

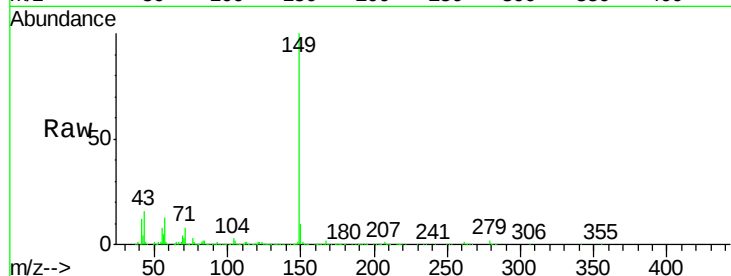
167 1.6 1.2 1.8

43 13.1 9.5 14.3

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Abundance Ion 149.00 (148.70 to 149.70): E

2500000 Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

2000000

1500000

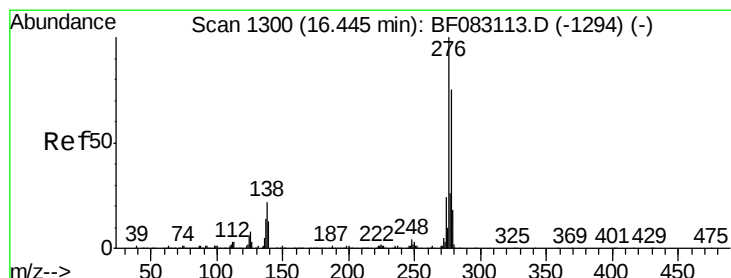
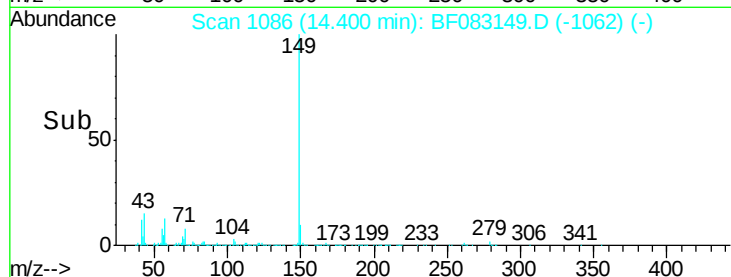
1000000

500000

0

14.30 14.40 14.50

Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 50.90 ng

RT: 16.42 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

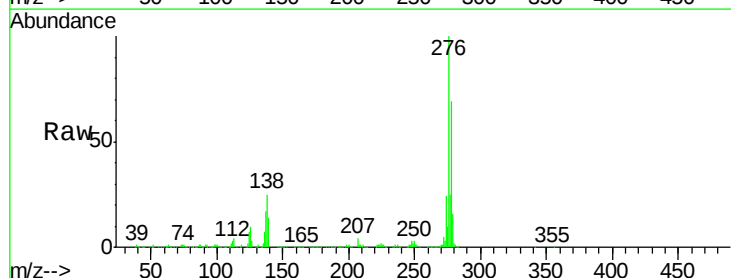
Tgt Ion:276 Resp: 1456651

Ion Ratio Lower Upper

276 100

138 25.4 18.0 27.0

277 25.2 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

800000 Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

600000

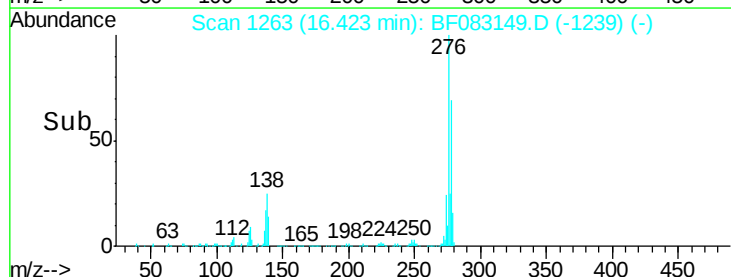
400000

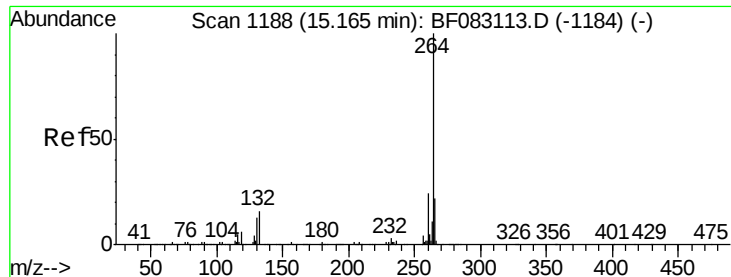
200000

0

16.20 16.40 16.60

Time-->





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.15 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Instrument :

BNA_F

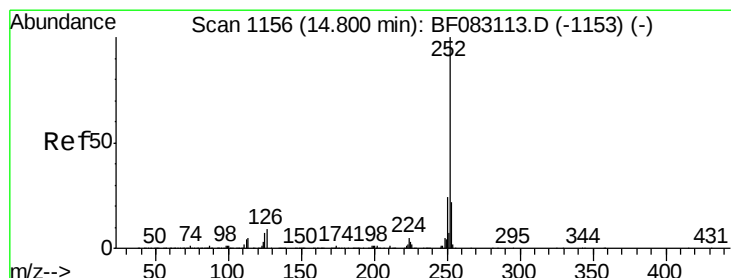
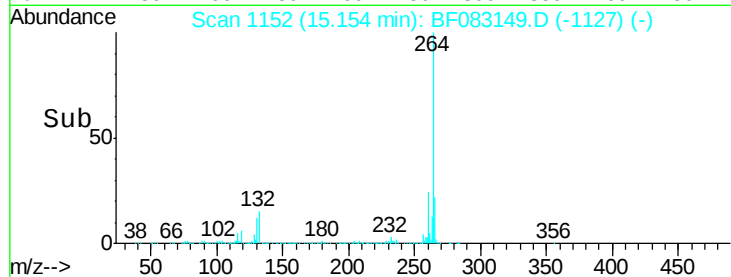
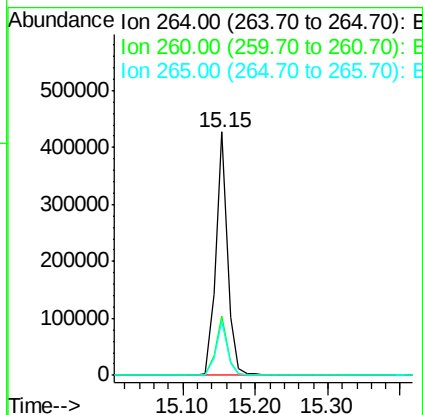
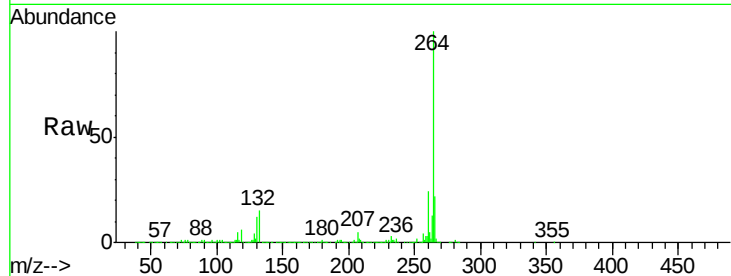
ClientSampleId :

MW-14A-111815MSD

Tot Ion:	264	Resp:	478918
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.1	28.7
265	22.1	18.2	27.4

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#87

Benzo(b)fluoranthene

Concen: 52.37 ng m

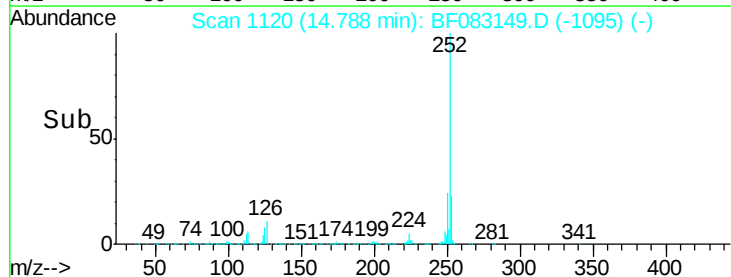
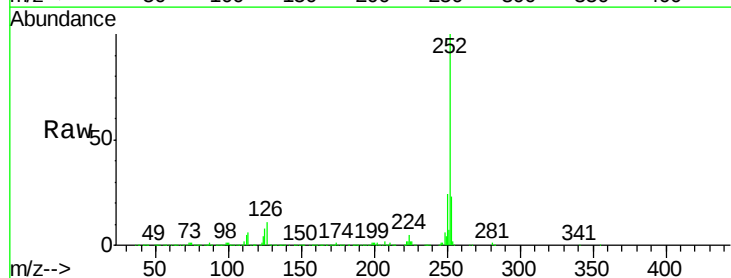
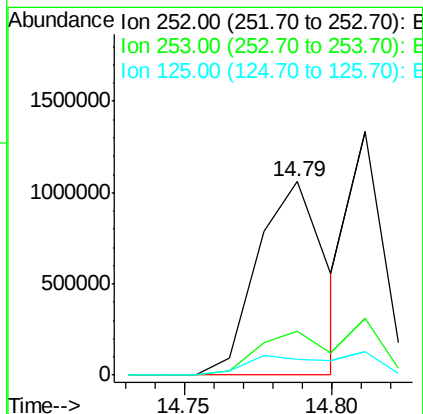
RT: 14.79 min Scan# 1120

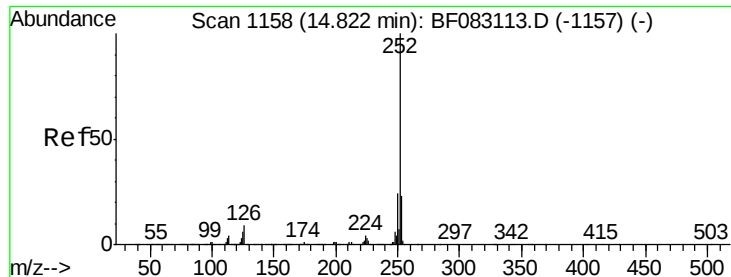
Delta R.T. -0.01 min

Lab File: BF083149.D

Acq: 22 Nov 2015 10:24

Tgt Ion:	252	Resp:	1713711
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.7	26.5
125	8.1	5.6	8.4





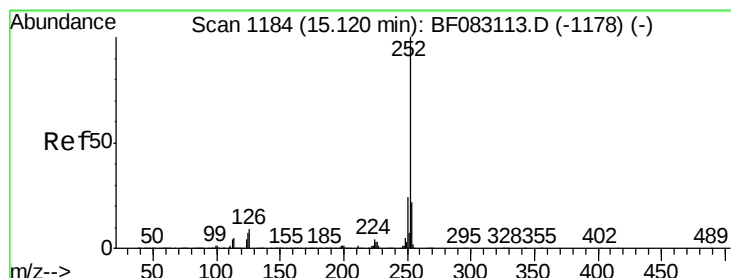
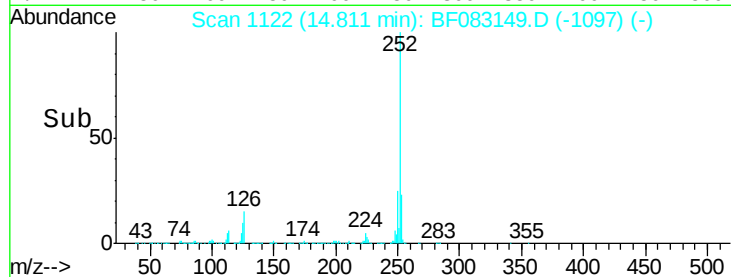
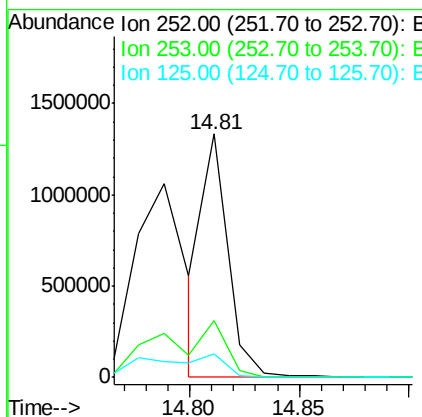
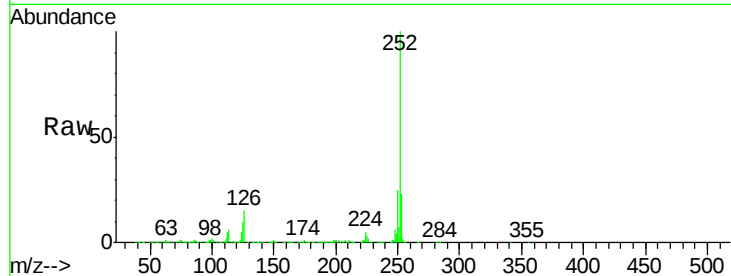
#88
Benzo(k)fluoranthene
Concen: 43.72 ng m
RT: 14.81 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	9.8	6.8	10.2

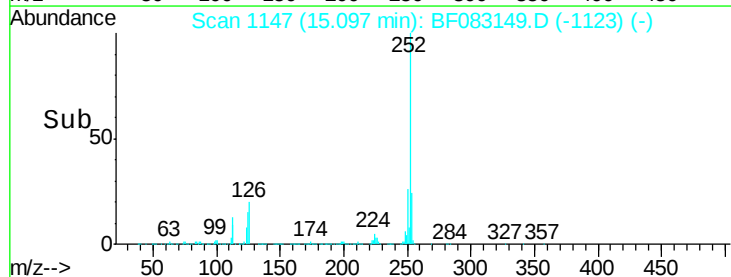
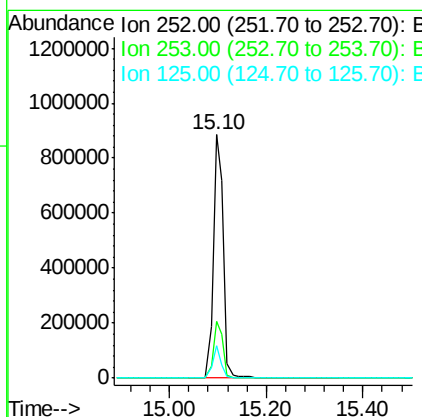
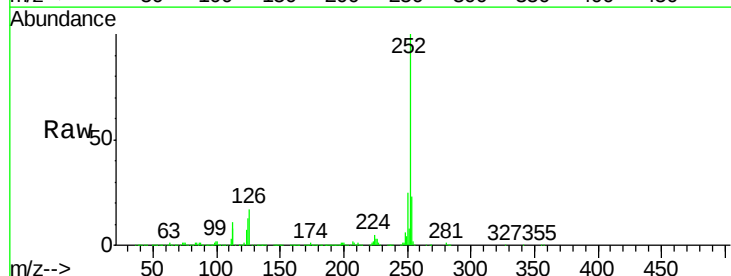
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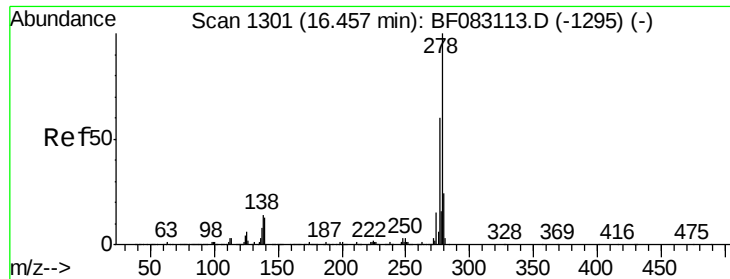
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#89
Benzo(a)pyrene
Concen: 47.86 ng
RT: 15.10 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	13.3	5.4	8.0





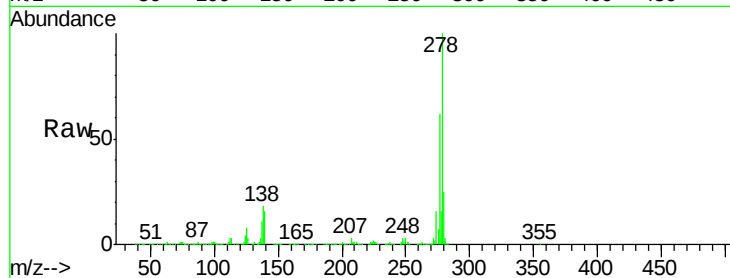
#90
Dibenzo(a,h)anthracene
Concen: 50.29 ng
RT: 16.43 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Instrument :
BNA_F
ClientSampleId :
MW-14A-111815MSD

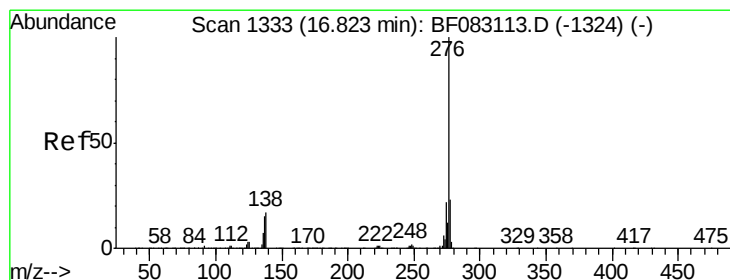
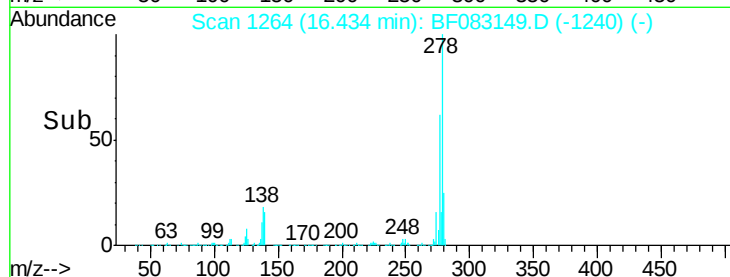
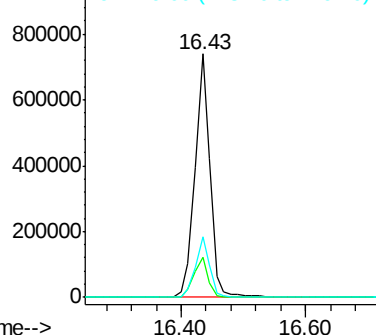
Tot Ion:278 Resp: 1234297
Ion Ratio Lower Upper
278 100
139 16.3 10.7 16.1#
279 25.0 19.3 28.9

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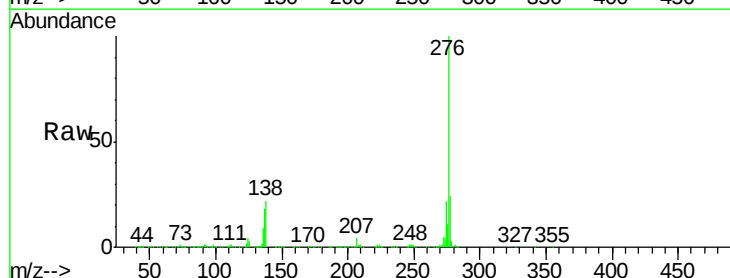


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 50.57 ng
RT: 16.80 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BF083149.D
Acq: 22 Nov 2015 10:24

Tgt Ion:276 Resp: 1211638
Ion Ratio Lower Upper
276 100
277 23.9 18.7 28.1
138 22.2 13.9 20.9#



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

