

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113015\
 Data File : BF083364.D
 Acq On : 1 Dec 2015 6:16
 Operator : UM/IZ
 Sample : PB86921BSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB86921BSD

Manual Integrations
 APPROVED

Mmdadoda
 12/1/2015 6:35:15 PM

Quant Time: Dec 01 07:26:38 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	182505	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	696219	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	371884	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	683341	20.00	ng	0.00
75) Chrysene-d12	14.75	240	519596	20.00	ng	-0.01
86) Perylene-d12	16.82	264	380816	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.14	112	908128	74.67	ng	0.01
7) Phenol-d6	6.22	99	1246284	74.86	ng	0.00
23) Nitrobenzene-d5	7.13	82	1139272	71.93	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	261198	69.97	ng	0.00
44) 2-Fluorobiphenyl	8.92	172	1818097	69.67	ng	0.00
78) Terphenyl-d14	13.22	244	1751644	80.40	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.01	88	167274	25.40	ng	90
3) Pyridine	2.62	79	417948	25.37	ng	96
4) n-Nitrosodimethylamine	2.58	42	284699	35.11	ng	98
6) Aniline	6.21	93	542646	23.83	ng	97
8) 2-Chlorophenol	6.34	128	489983	36.52	ng	98
9) Benzaldehyde	6.09	77	225875	25.96	ng	96
10) Phenol	6.24	94	715274	35.71	ng	99
11) bis(2-Chloroethyl)ether	6.29	93	512508	35.17	ng	98
12) 1,3-Dichlorobenzene	6.49	146	502209	33.68	ng	99
13) 1,4-Dichlorobenzene	6.57	146	527576	34.23	ng	98
14) 1,2-Dichlorobenzene	6.72	146	455138m	32.19	ng	
15) Benzyl Alcohol	6.72	79	485888	37.76	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.84	45	915395	35.80	ng	# 35
17) 2-Methylphenol	6.84	107	433723	38.78	ng	99
18) Hexachloroethane	7.06	117	178024	33.25	ng	98
19) n-Nitroso-di-n-propylamine	6.99	70	409797	34.44	ng	97
20) 3+4-Methylphenols	7.00	107	564926	37.30	ng	99
22) Acetophenone	6.98	105	713062	34.23	ng	# 98
24) Nitrobenzene	7.14	77	542067	32.05	ng	# 86
25) Isophorone	7.39	82	1092793	35.62	ng	99
26) 2-Nitrophenol	7.46	139	242482	35.12	ng	94
27) 2,4-Dimethylphenol	7.53	122	458056	39.58	ng	98
28) bis(2-Chloroethoxy)methane	7.61	93	647994	37.09	ng	100
29) 2,4-Dichlorophenol	7.71	162	426427	38.31	ng	98
30) 1,2,4-Trichlorobenzene	7.78	180	414015	34.17	ng	95
31) Naphthalene	7.86	128	1339934	35.47	ng	100
32) Benzoic acid	7.68	122	271308	33.99	ng	96
33) 4-Chloroaniline	7.93	127	233017	14.31	ng	99
34) Hexachlorobutadiene	7.98	225	236997	34.45	ng	99
35) Caprolactam	8.30	113	136355m	38.77	ng	
36) 4-Chloro-3-methylphenol	8.43	107	488514	39.13	ng	93
37) 2-Methylnaphthalene	8.54	142	883132	34.98	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.72	216	380386	32.27	ng	97
40) Hexachlorocyclopentadiene	8.70	237	391207	69.86	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.84	196	294184	35.58	nq	100
43) 2,4,5-Trichlorophenol	8.89	196	319279	37.27	nq	96
45) 1,1'-Biphenyl	9.01	154	1075128	32.97	nq	94
46) 2-Chloronaphthalene	9.04	162	865282	34.82	nq	100
47) 2-Nitroaniline	9.15	65	347913	35.35	nq	95
48) Acenaphthylene	9.45	152	1357251	34.24	nq	99
49) Dimethylphthalate	9.33	163	993006	32.86	nq	99
50) 2,6-Dinitrotoluene	9.39	165	238021	36.88	nq	98
51) Acenaphthene	9.62	154	787757	33.79	nq	99
52) 3-Nitroaniline	9.56	138	128997	17.05	nq	86
53) 2,4-Dinitrophenol	9.66	184	207714	55.62	nq	91
54) Dibenzofuran	9.79	168	1179095	34.51	nq	99
55) 4-Nitrophenol	9.76	139	349080	73.77	nq	# 73
56) 2,4-Dinitrotoluene	9.79	165	280990	34.31	nq	90
57) Fluorene	10.13	166	921323	34.15	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.93	232	252184	36.48	nq	98
59) Diethylphthalate	10.03	149	975214	33.85	nq	100
60) 4-Chlorophenyl-phenylether	10.13	204	453725	36.60	nq	100
61) 4-Nitroaniline	10.18	138	246050	32.51	nq	97
62) Azobenzene	10.29	77	1331353	38.26	nq	98
64) 4,6-Dinitro-2-methylphenol	10.20	198	171983	37.48	nq	98
65) n-Nitrosodiphenylamine	10.26	169	900285	37.49	nq	99
66) 4-Bromophenyl-phenylether	10.64	248	290038	38.80	nq	99
67) Hexachlorobenzene	10.70	284	316081	38.24	nq	98
68) Atrazine	10.83	200	294375	44.32	nq	96
69) Pentachlorophenol	10.92	266	322038	74.38	nq	99
70) Phenanthrene	11.16	178	1492476	36.91	nq	99
71) Anthracene	11.22	178	1526698	37.50	nq	100
72) Carbazole	11.41	167	1329907	36.36	nq	99
73) Di-n-butylphthalate	11.86	149	1646640	37.99	nq	99
74) Fluoranthene	12.66	202	1464900	34.95	nq	99
76) Benzidine	12.87	184	423879	27.39	nq	98
77) Pyrene	12.97	202	1511309	41.65	nq	98
79) Butylbenzylphthalate	13.96	149	618410	40.17	nq	95
80) Benzo(a)anthracene	14.74	228	1151499	36.17	nq	99
81) 3,3'-Dichlorobenzidine	14.73	252	220301	22.16	nq	99
82) Chrysene	14.80	228	1088142	35.38	nq	99
83) Bis(2-ethylhexyl)phthalate	14.88	149	818671	39.65	nq	100
84) Di-n-octyl phthalate	15.84	149	1163764	37.85	nq	100
85) Indeno(1,2,3-cd)pyrene	18.20	276	979640	43.73	nq	99
87) Benzo(b)fluoranthene	16.31	252	959339	39.26	nq	97
88) Benzo(k)fluoranthene	16.34	252	723493m	31.36	nq	
89) Benzo(a)pyrene	16.74	252	797582	38.00	nq	# 96
90) Dibenzo(a,h)anthracene	18.23	278	813567	44.49	nq	98
91) Benzo(g,h,i)perylene	18.57	276	836602	46.61	nq	96

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

```

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Acq On    : 1 Dec 2015    6:16
Operator  : UM/IZ
Sample    : PB86921BSD
Misc      :
ALS Vial  : 25    Sample Multiplier: 1

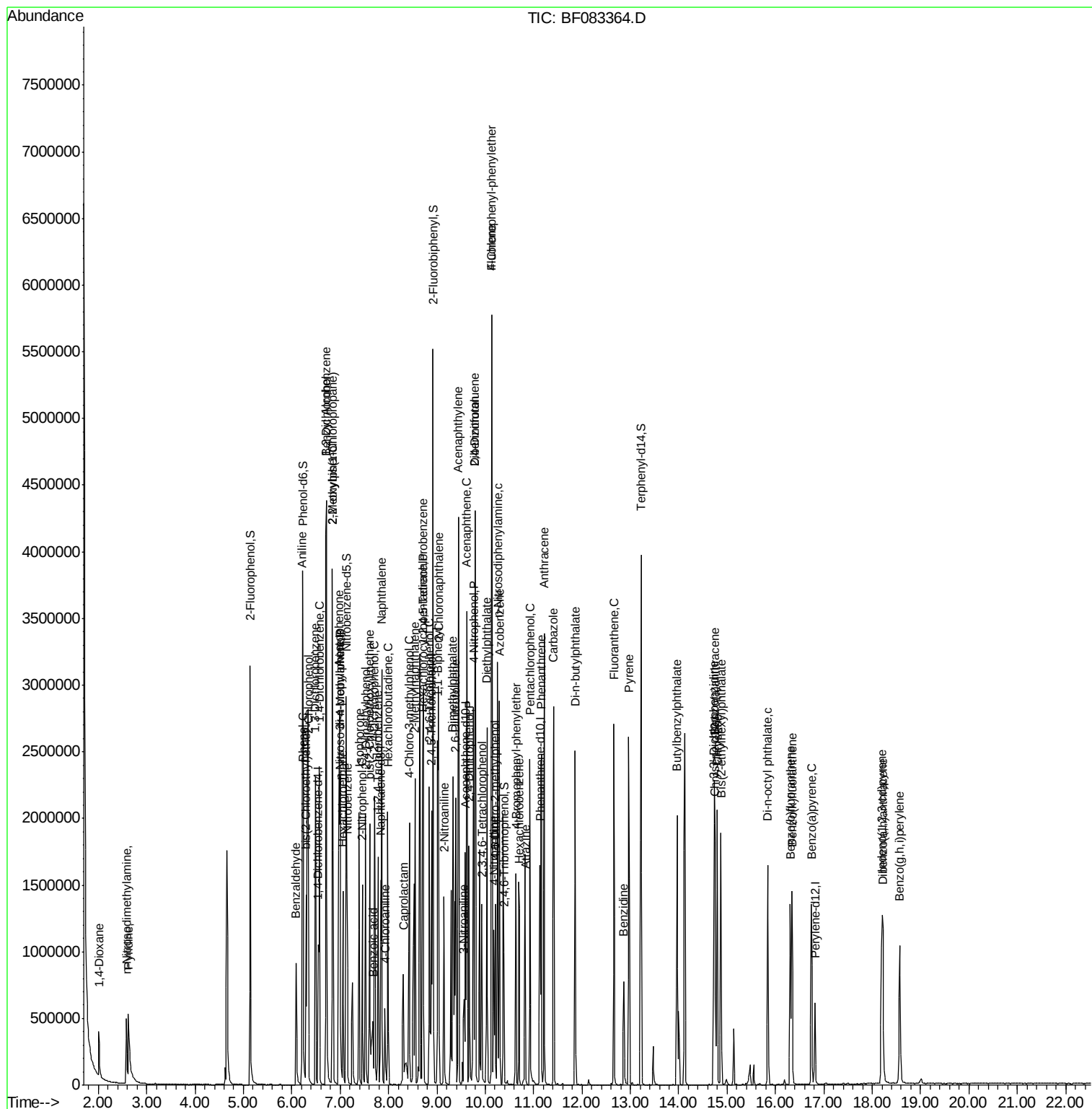
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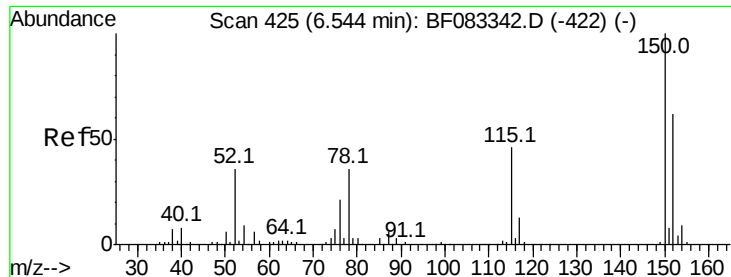
Instrument :
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#1

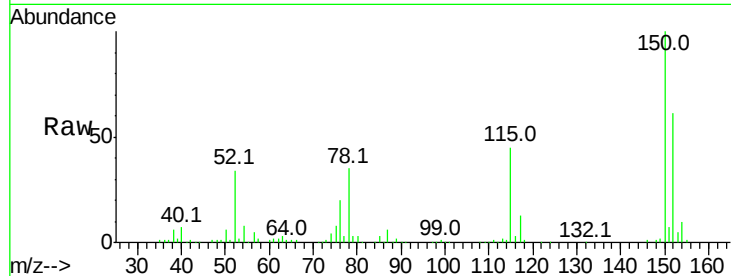
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.54 min Scan# 425
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

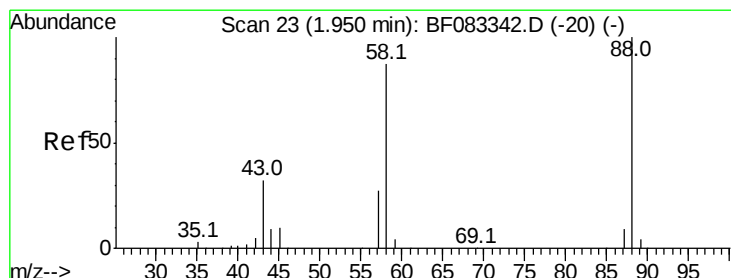
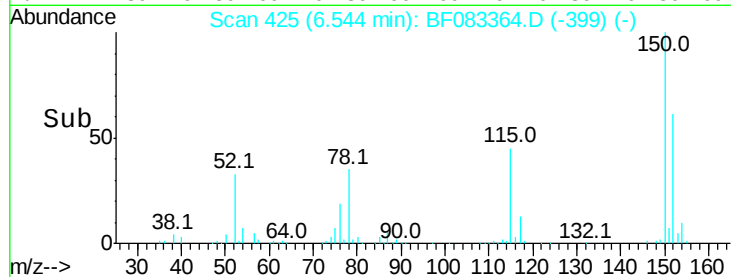
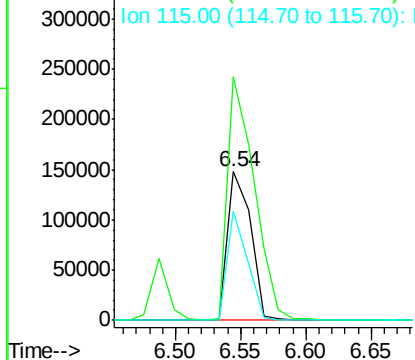
Tot Ion	Ratio	Lower	Upper
152	100		
150	163.7	129.8	194.8
115	73.3	59.2	88.8

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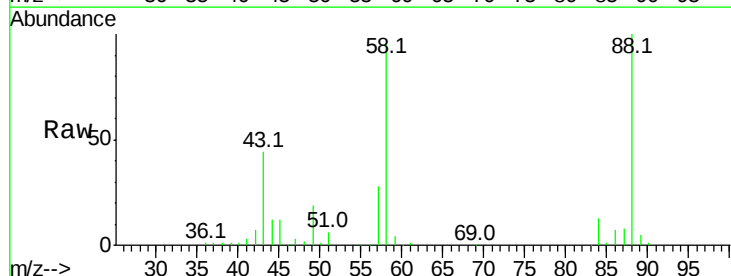
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



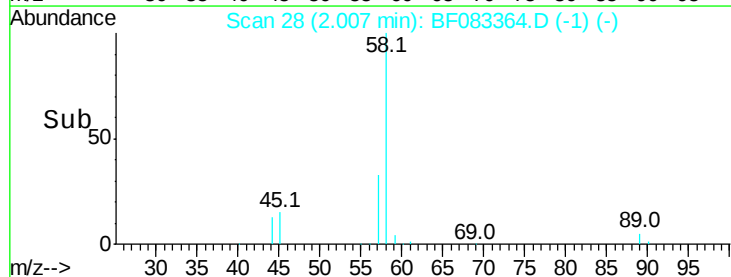
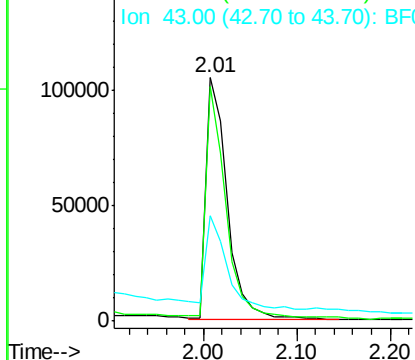
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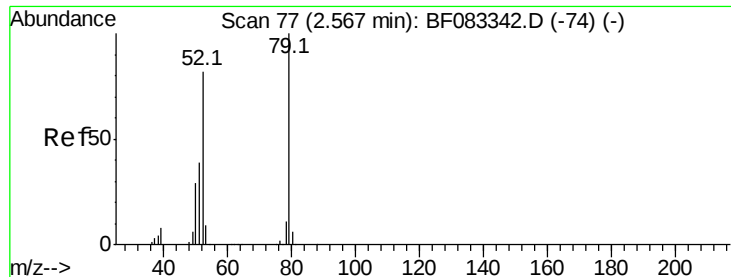
1,4-Dioxane
Concen: 25.40 ng
RT: 2.01 min Scan# 28
Delta R.T. 0.06 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	91.9	66.6	100.0
43	39.4	27.1	40.7



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





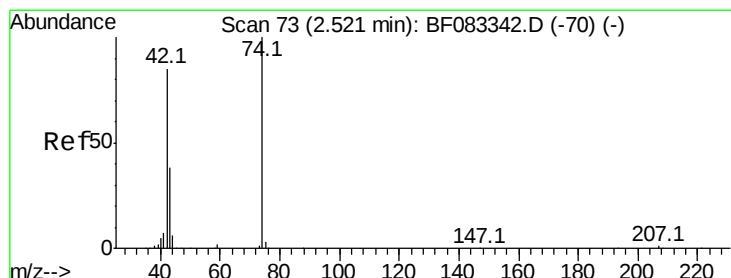
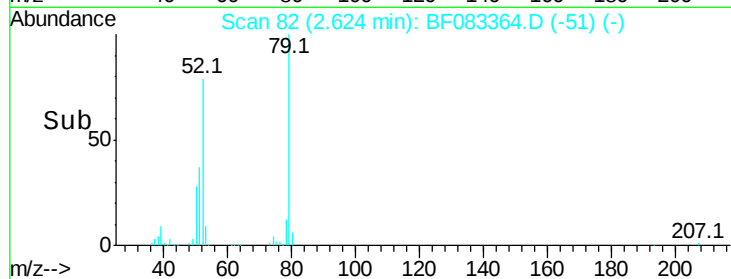
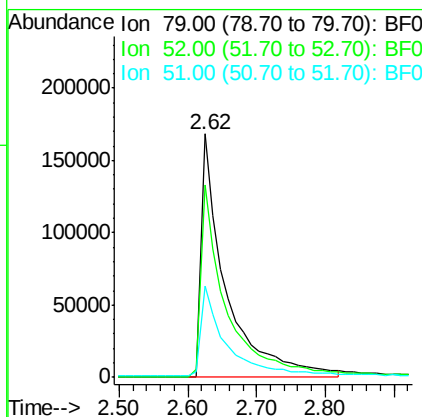
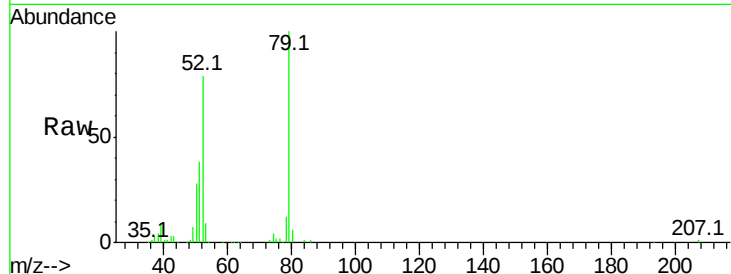
#3
 Pvridine
 Concen: 25.37 ng
 RT: 2.62 min Scan# 82
 Delta R.T. 0.06 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Instrument :
 BNA_F
 ClientSampleId :
 PB86921BSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	79.1	65.9	98.9
51	37.7	32.3	48.5

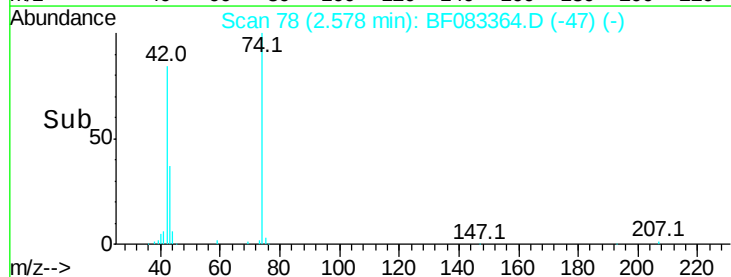
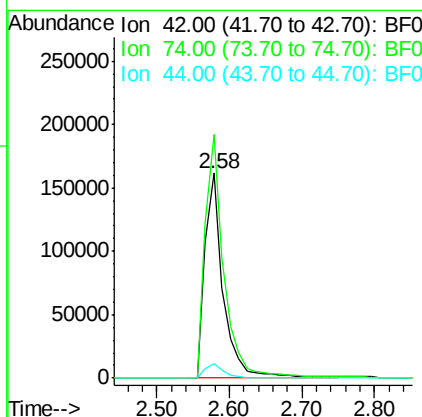
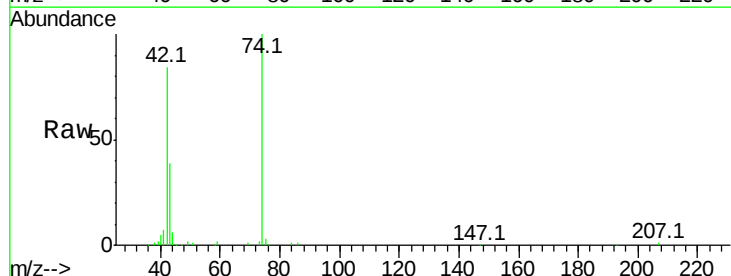
Manual Integrations
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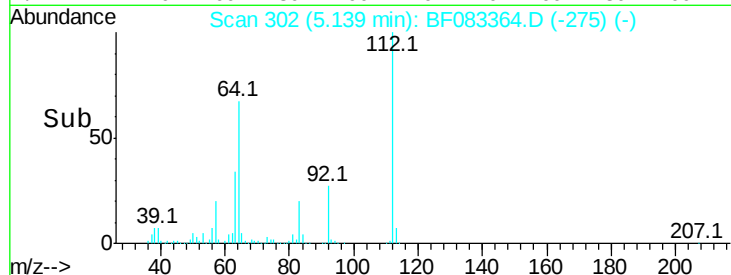
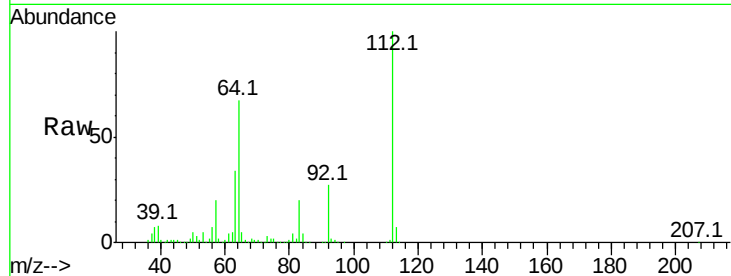
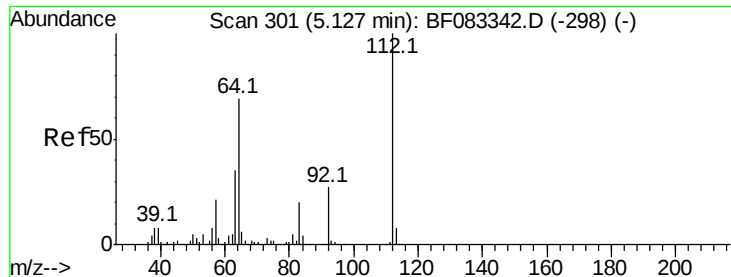
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#4
 n-Nitrosodimethylamine
 Concen: 35.11 ng
 RT: 2.58 min Scan# 78
 Delta R.T. 0.06 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Lower	Upper
42	100		
74	119.0	93.7	140.5
44	7.0	5.6	8.4





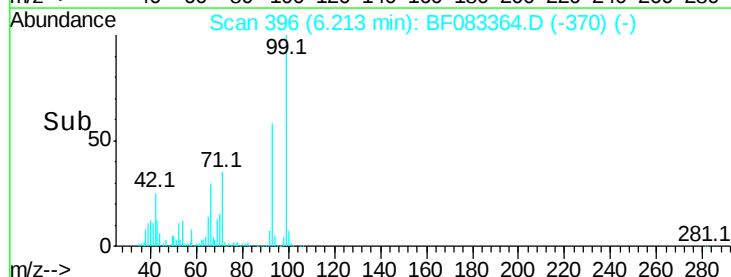
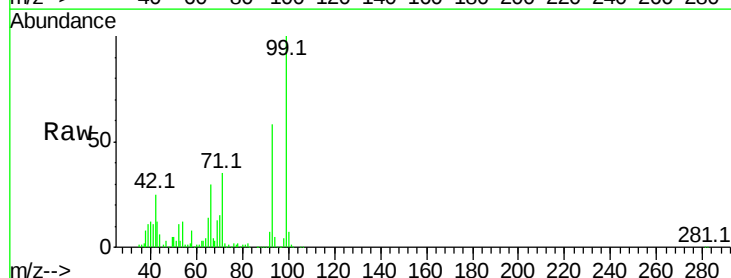
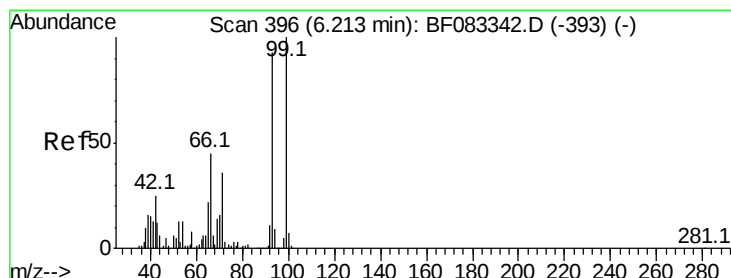
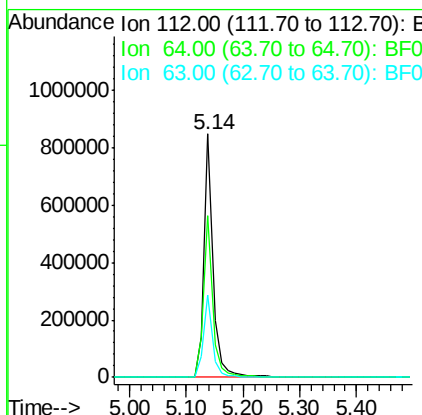
#5
2-Fluorophenol
Concen: 74.67 ng
RT: 5.14 min Scan# 302
Delta R.T. 0.01 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	66.5	55.6	83.4
63	33.8	28.2	42.2

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

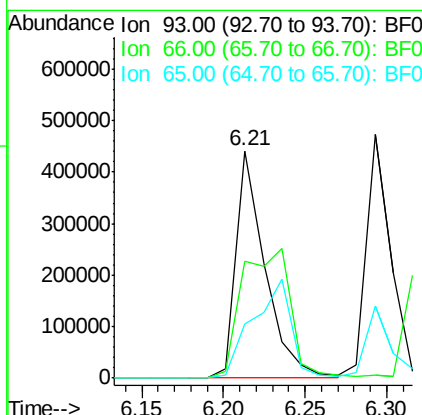
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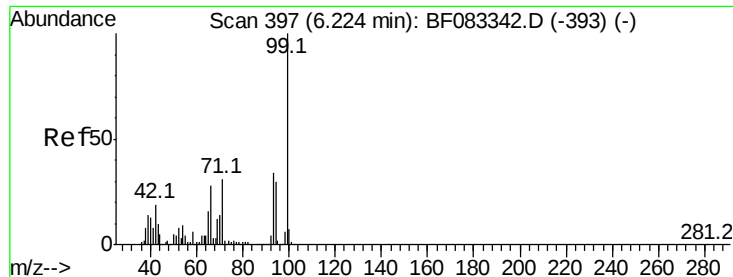
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#6
Aniline
Concen: 23.83 ng
RT: 6.21 min Scan# 396
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	51.4	38.7	58.1
65	23.9	19.0	28.6





#7

Phenol-d6

Concen: 74.86 ng

RT: 6.22 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Instrument :

BNA_F

ClientSampleId :

PB86921BSD

Tot Ion: 99 Resp: 1246284

Ion Ratio Lower Upper

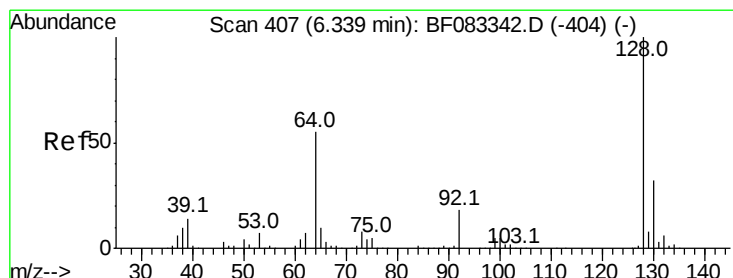
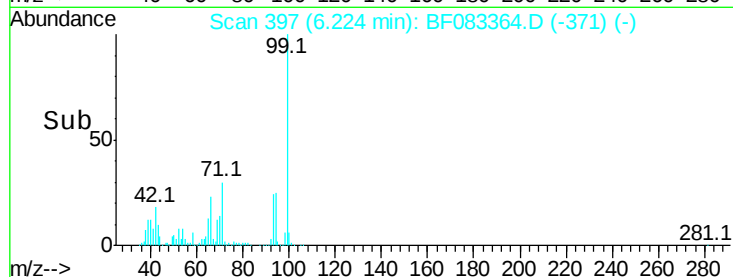
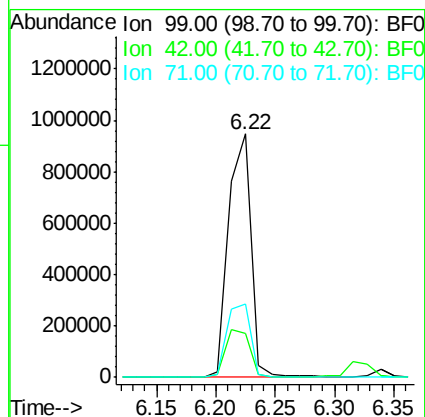
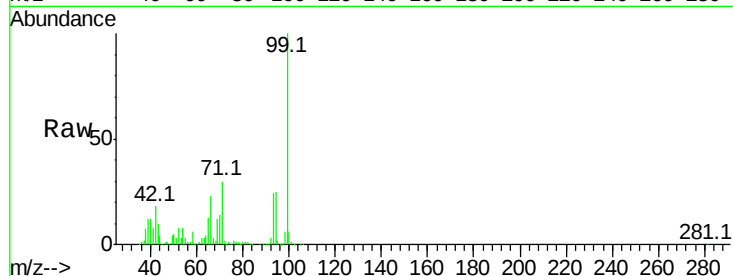
99 100

42 18.0 14.9 22.3

71 29.9 24.7 37.1

Manual Integrations
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#8

2-Chlorophenol

Concen: 36.52 ng

RT: 6.34 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

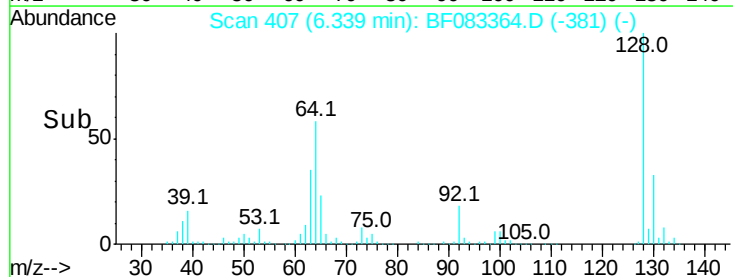
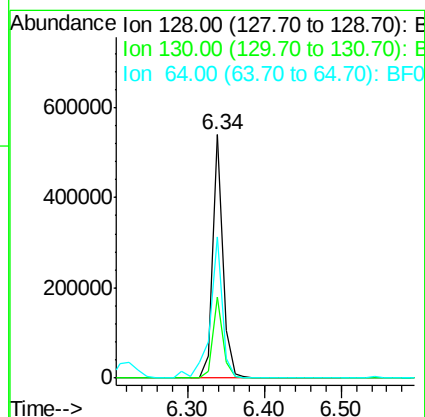
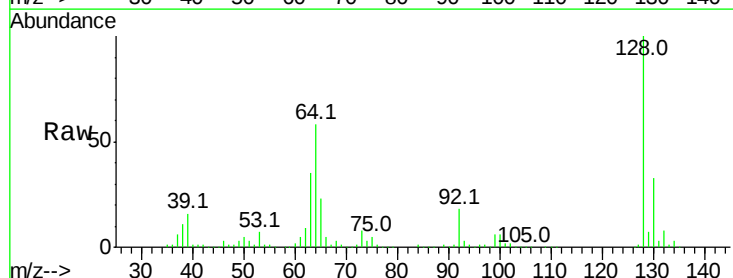
Tgt Ion: 128 Resp: 489983

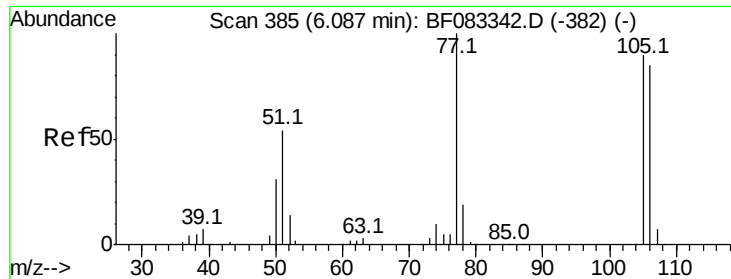
Ion Ratio Lower Upper

128 100

130 33.1 12.3 52.3

64 58.0 36.4 76.4





#9

Benzaldehyde

Concen: 25.96 ng

RT: 6.09 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Instrument :

BNA_F

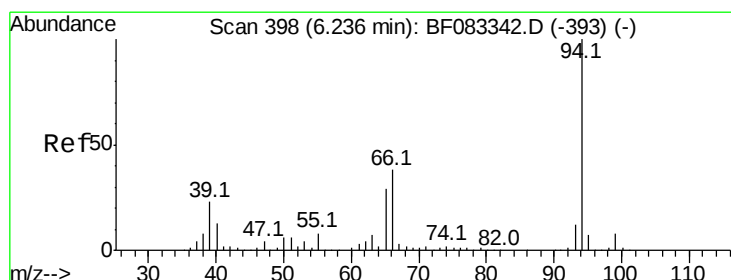
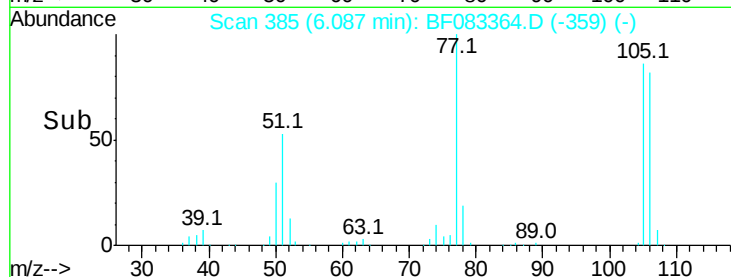
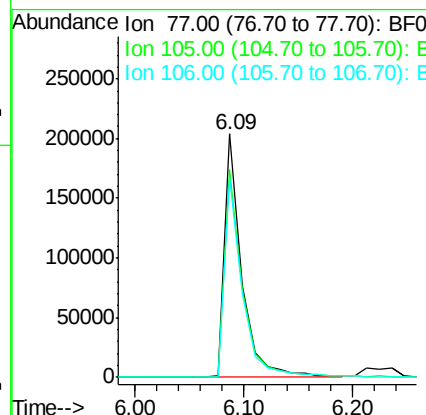
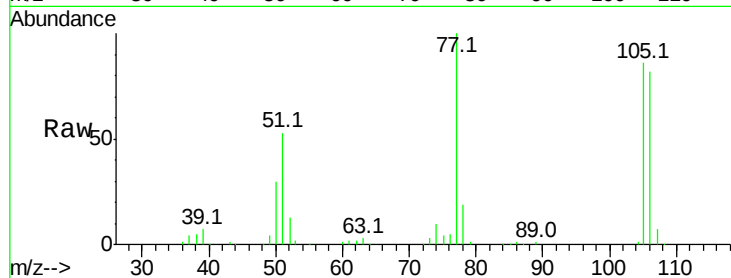
ClientSampleId :

PB86921BSD

Tot Ion:	77	Resp:	225875
Ion	Ratio	Lower	Upper
77	100		
105	85.6	70.0	110.0
106	82.3	65.0	105.0

Manual Integrations
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#10

Phenol

Concen: 35.71 ng

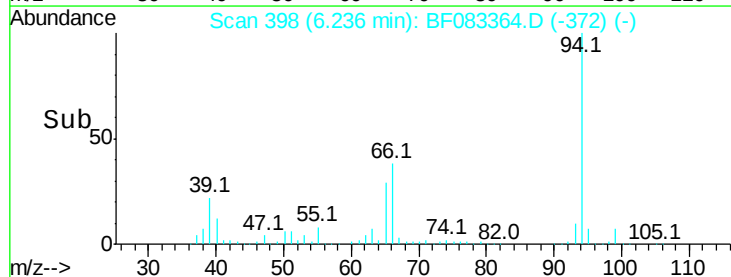
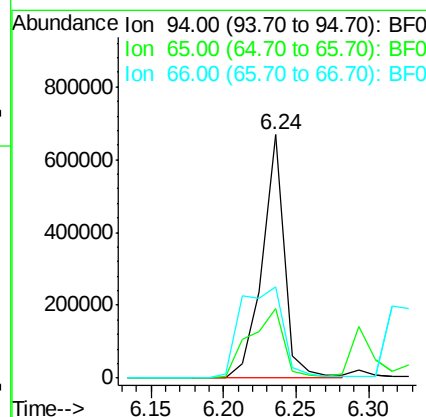
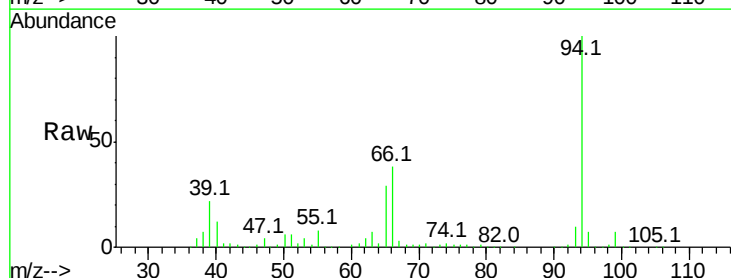
RT: 6.24 min Scan# 398

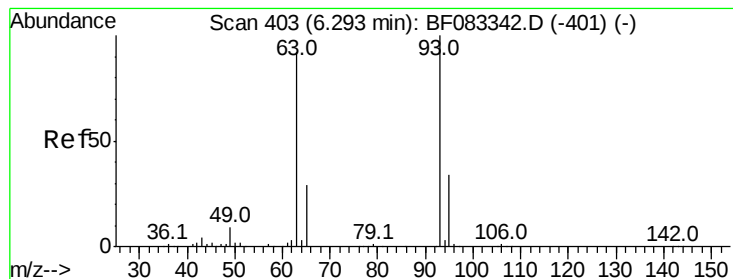
Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Tgt Ion:	94	Resp:	715274
Ion	Ratio	Lower	Upper
94	100		
65	28.8	9.5	49.5
66	37.6	17.9	57.9





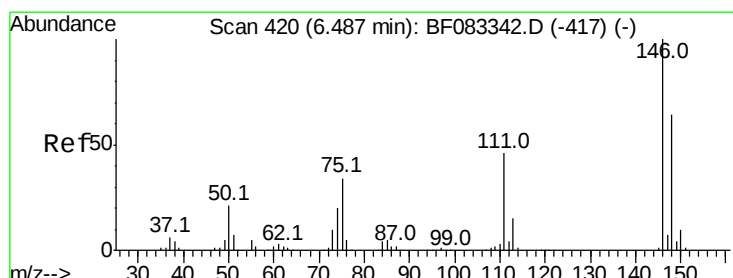
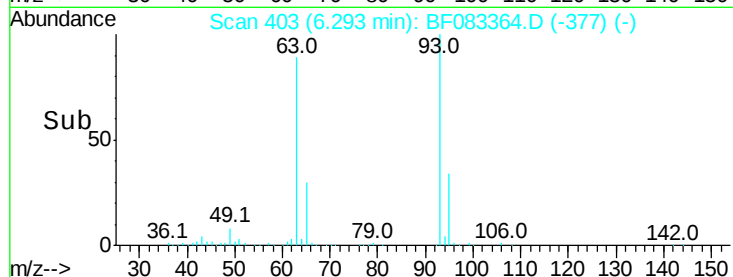
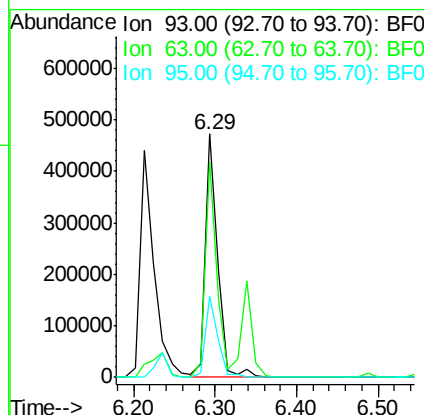
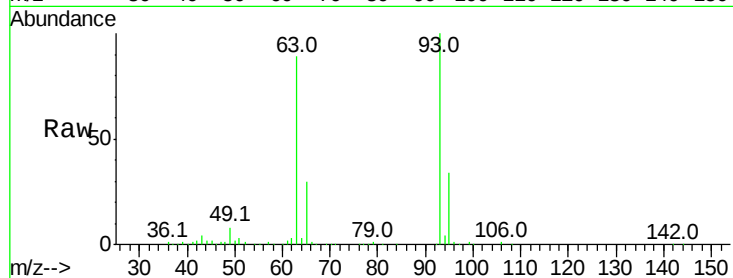
#11
bis(2-Chloroethyl)ether
Concen: 35.17 ng
RT: 6.29 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	512508		
63	88.7	71.4	111.4	
95	33.5	13.4	53.4	

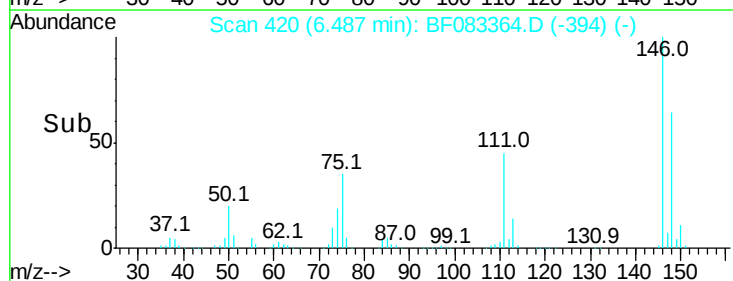
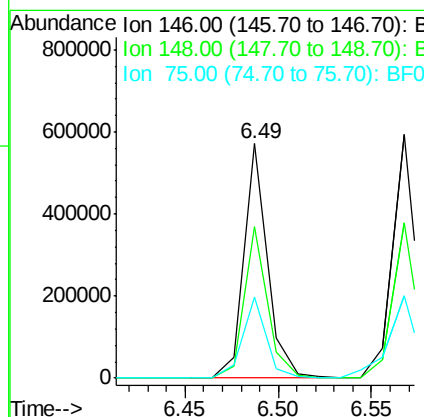
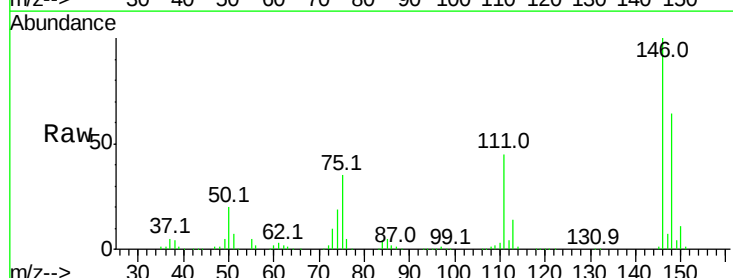
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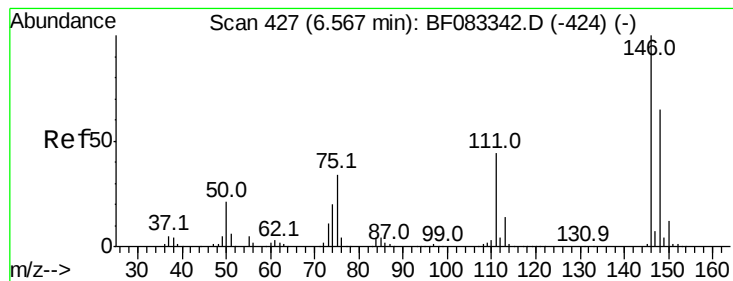
Mmdadoda
12/1/2015 6:35:15 PM



#12
1,3-Dichlorobenzene
Concen: 33.68 ng
RT: 6.49 min Scan# 420
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	502209		
148	64.5	51.1	76.7	
75	34.6	27.5	41.3	





#13

1,4-Dichlorobenzene

Concen: 34.23 ng

RT: 6.57 min Scan# 427

Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Instrument :

BNA_F

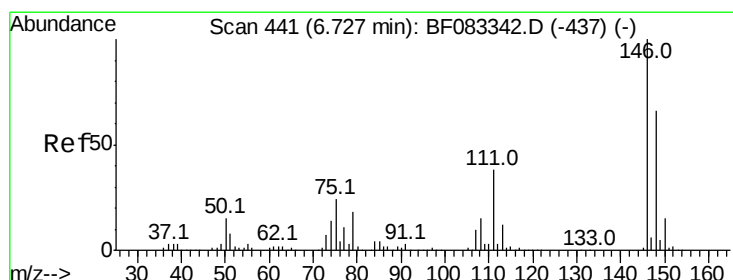
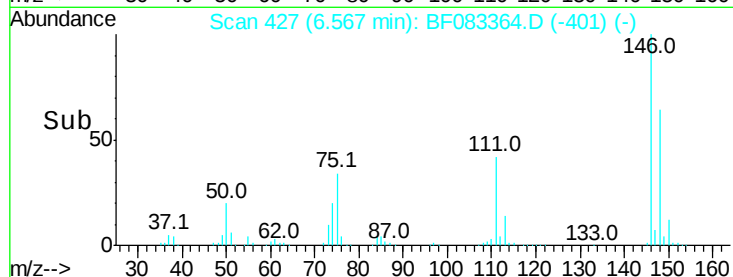
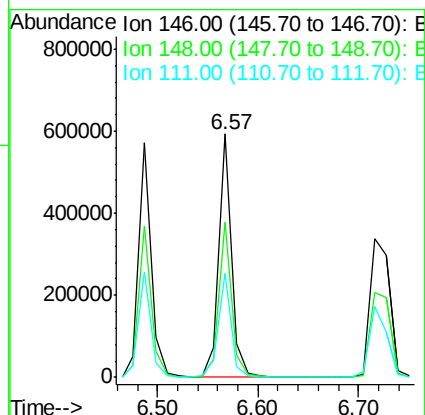
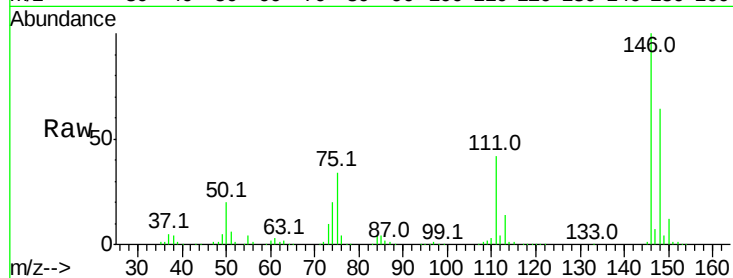
ClientSampleId :

PB86921BSD

Tot Ion:	146	Resp:	527576
Ion Ratio	Lower	Upper	
146	100		
148	64.0	52.1	78.1
111	42.5	35.4	53.0

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12/1/2015 6:35:15 PM



#14

1,2-Dichlorobenzene

Concen: 32.19 ng m

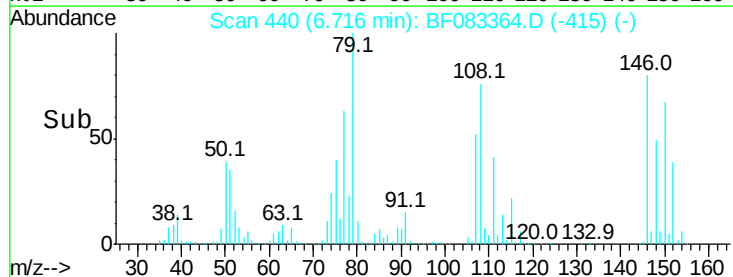
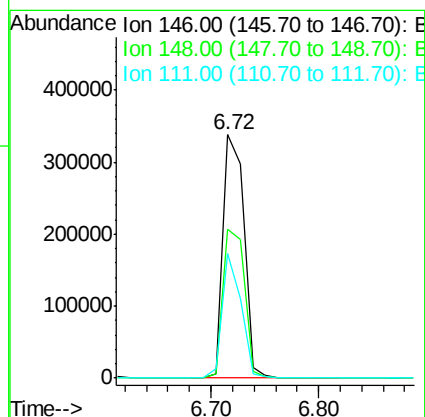
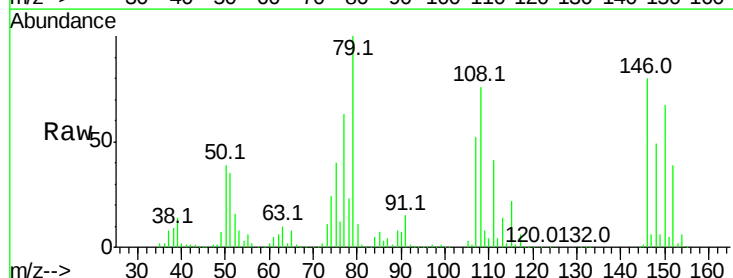
RT: 6.72 min Scan# 440

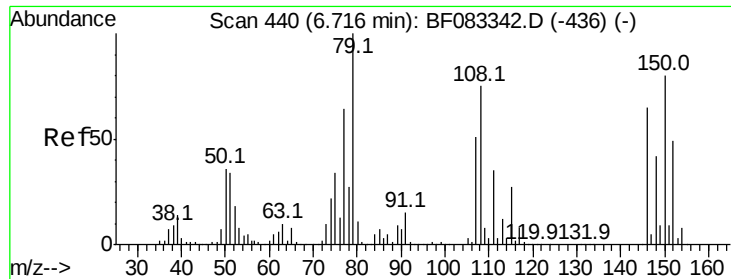
Delta R.T. -0.01 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Tgt Ion:	146	Resp:	455138
Ion Ratio	Lower	Upper	
146	100		
148	61.1	52.5	78.7
111	51.4	30.6	46.0#





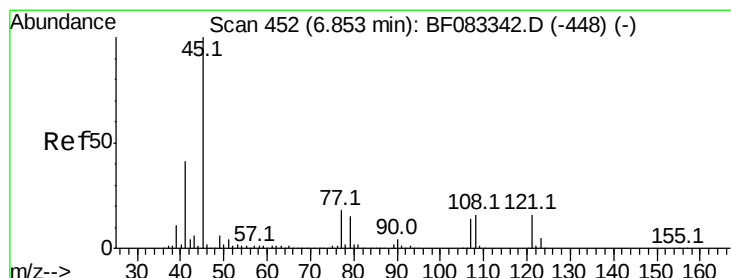
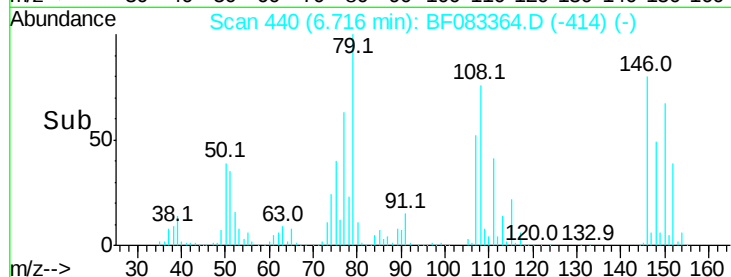
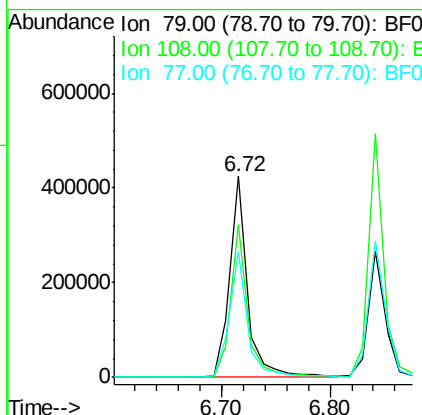
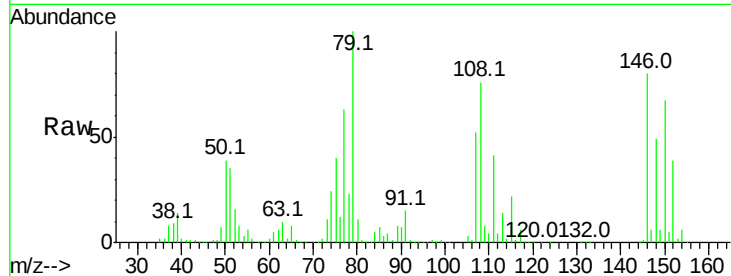
#15
Benzyl Alcohol
Concen: 37.76 ng
RT: 6.72 min Scan# 440
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	75.9	59.9	89.9	
77	62.6	51.0	76.6	

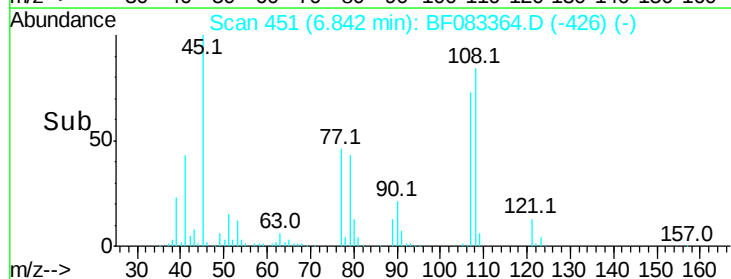
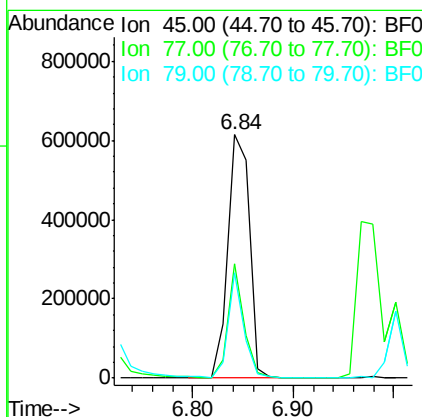
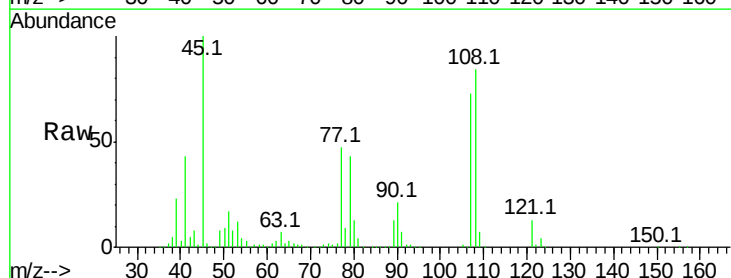
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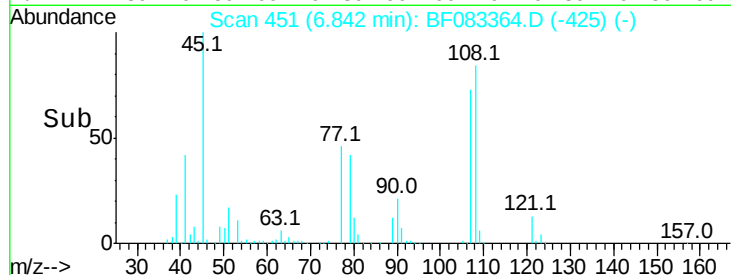
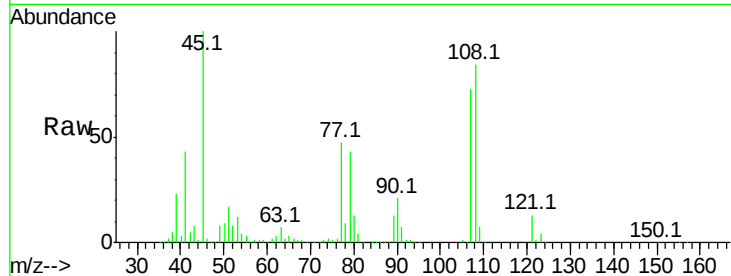
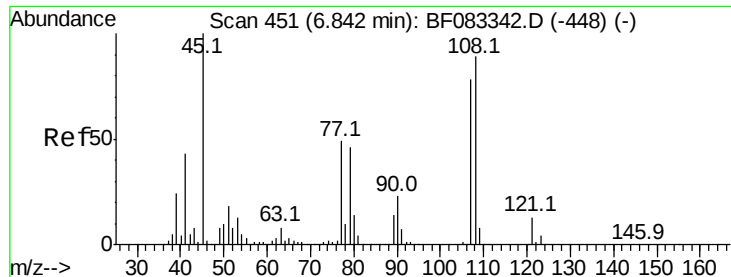
Mmdadoda
12/1/2015 6:35:15 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.80 ng
RT: 6.84 min Scan# 451
Delta R.T. -0.01 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	46.7	0.0	38.3#	
79	43.1	0.0	35.4#	





#17

2-Methylphenol

Concen: 38.78 ng

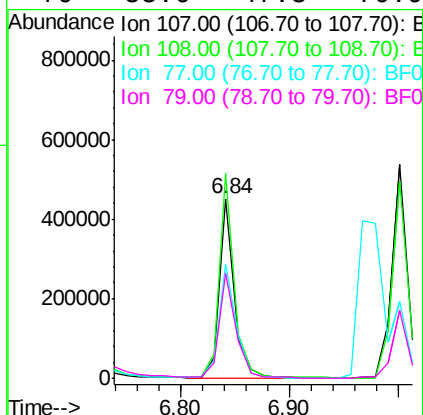
RT: 6.84 min Scan# 451

Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Tot Ion:	107	Resp:	433723
Ion Ratio	Lower	Upper	
107	100		
108	114.0	91.6	137.4
77	63.6	49.9	74.9
79	58.6	47.3	70.9



Instrument :

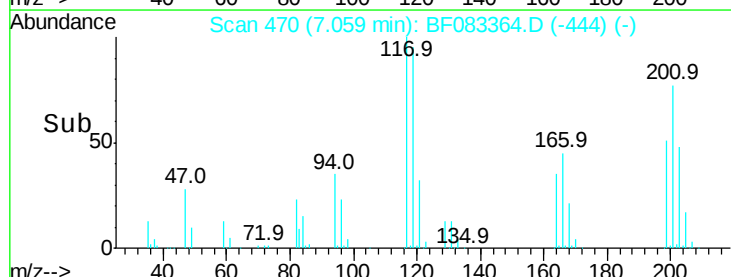
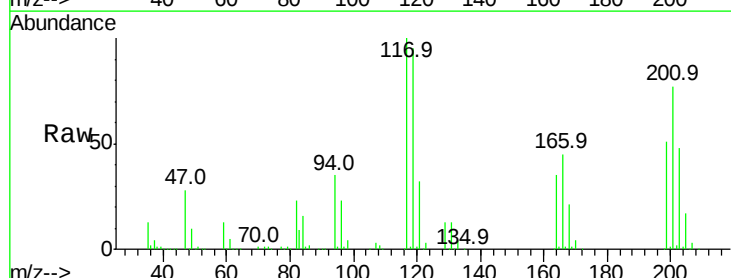
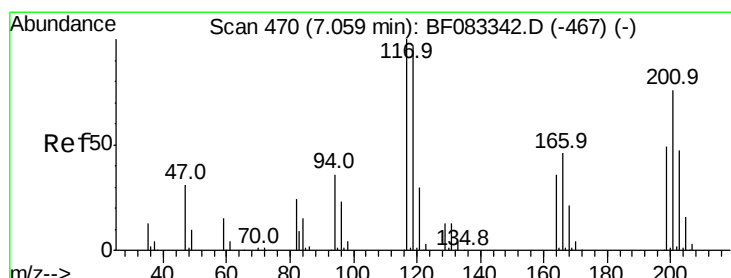
BNA_F

ClientSampleId :

PB86921BSD

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12/1/2015 6:35:15 PM



#18

Hexachloroethane

Concen: 33.25 ng

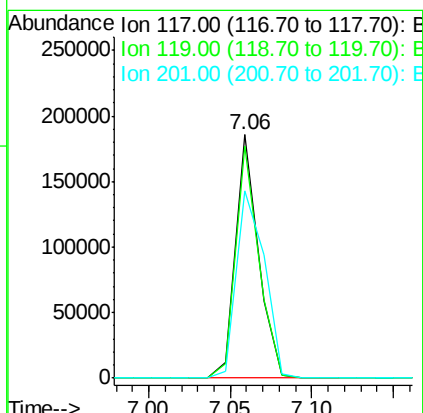
RT: 7.06 min Scan# 470

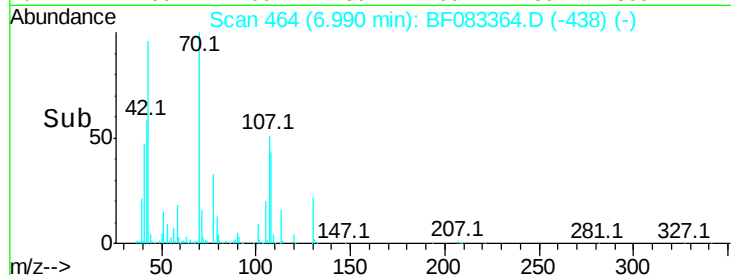
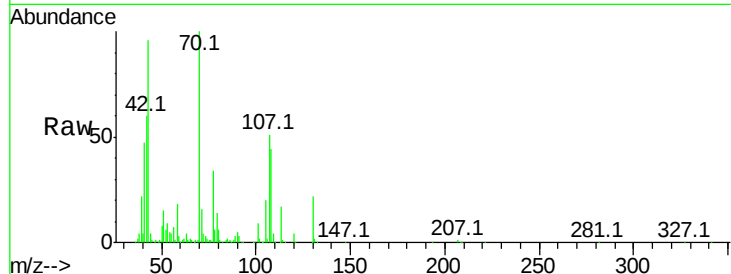
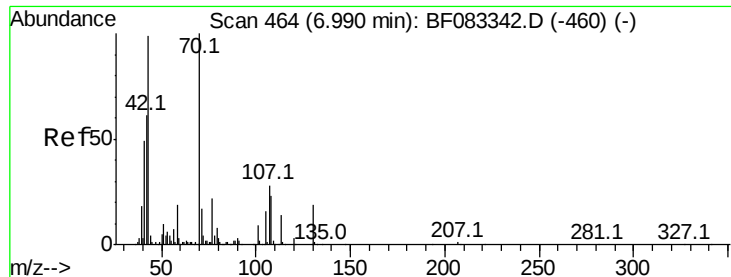
Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Tgt Ion:	117	Resp:	178024
Ion Ratio	Lower	Upper	
117	100		
119	95.1	77.3	115.9
201	77.2	60.6	90.8





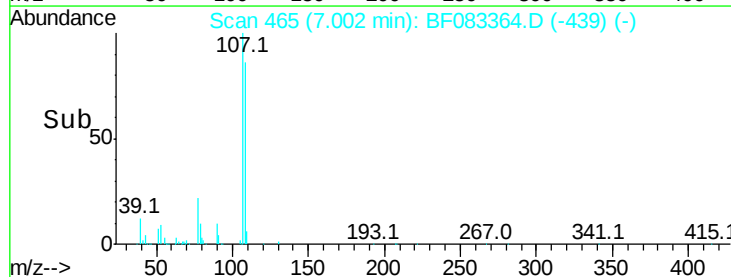
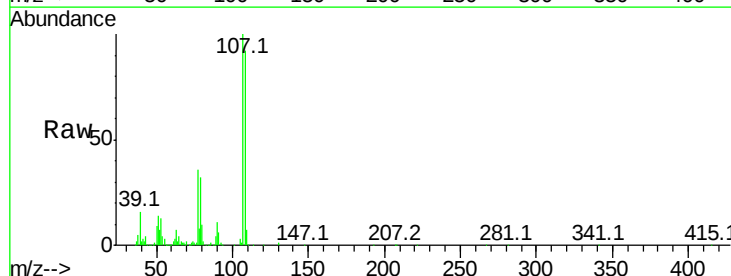
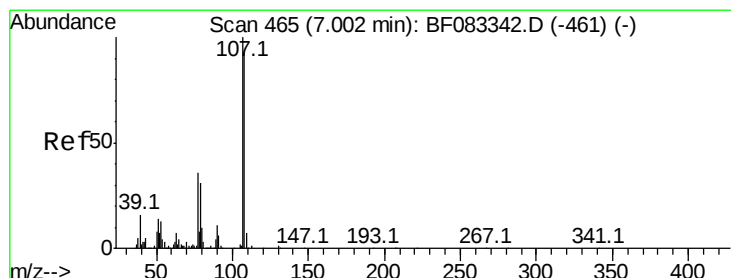
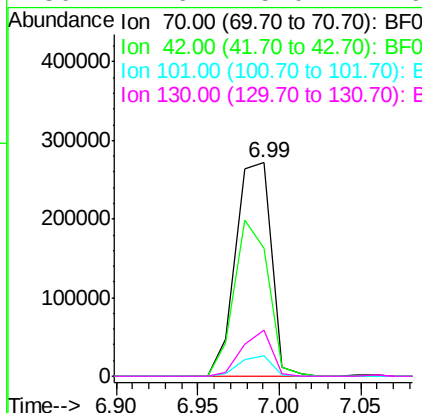
#19
n-Nitroso-di-n-propylamine
Concen: 34.44 ng
RT: 6.99 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

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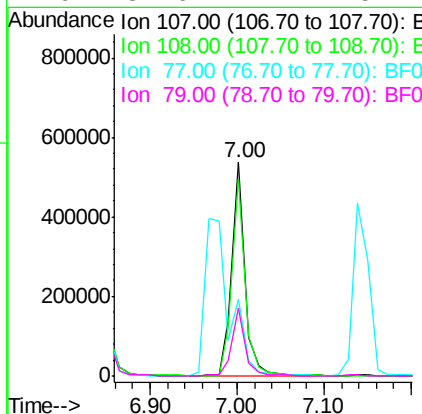
Mmdadoda
12/1/2015 6:35:15 PM

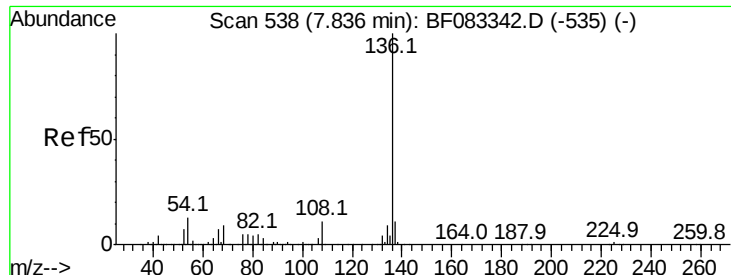
Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	59.7	48.8	73.2		
101	9.4	7.1	10.7		
130	21.6	15.0	22.6		



#20
3+4-Methylphenols
Concen: 37.30 ng
RT: 7.00 min Scan# 465
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	92.1	73.0	113.0		
77	35.8	16.8	56.8		
79	31.6	11.4	51.4		





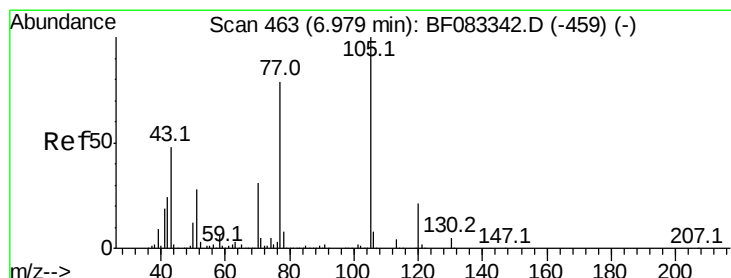
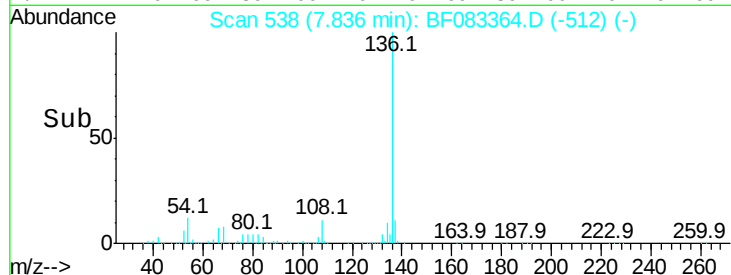
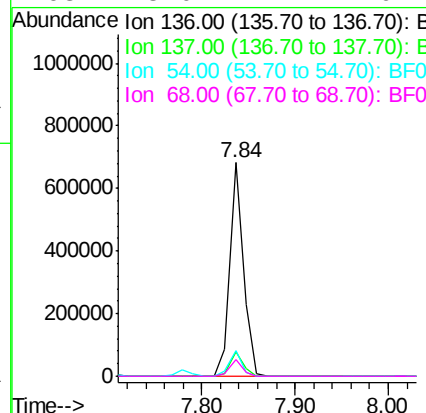
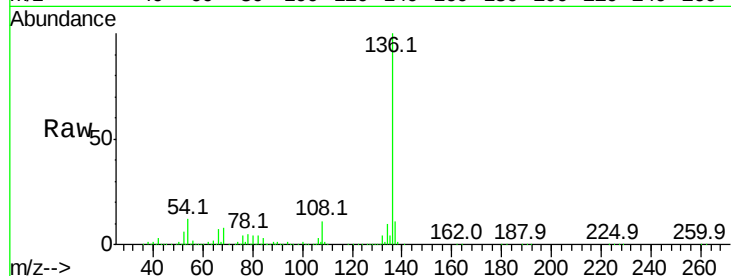
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	9.0	13.4	
54	11.8	10.1	15.1	
68	8.0	7.1	10.7	

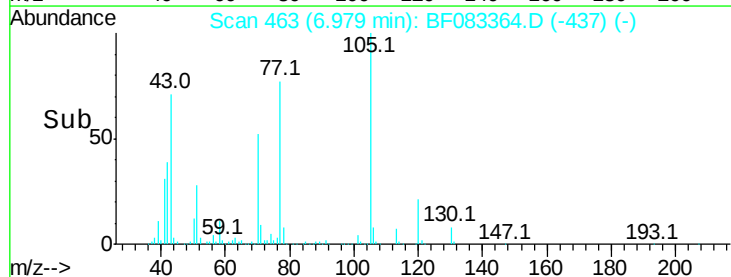
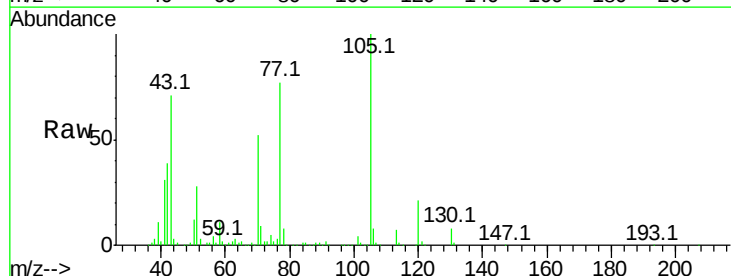
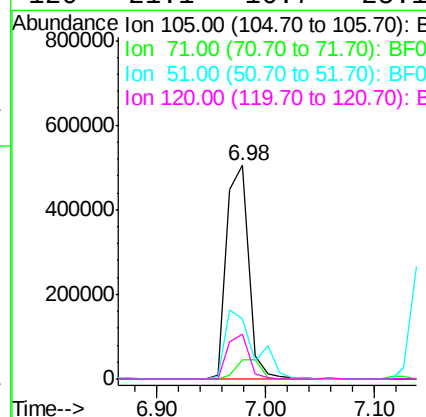
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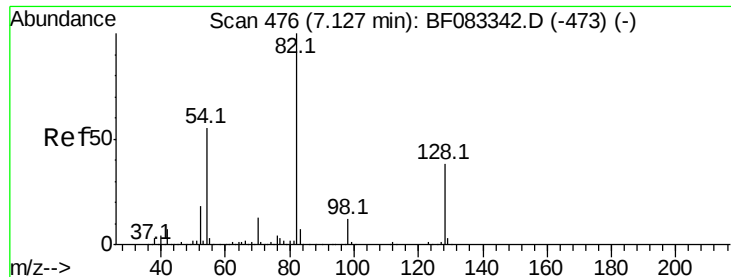
Mmdadoda
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#22
Acetophenone
Concen: 34.23 ng
RT: 6.98 min Scan# 463
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	8.9	4.3	6.5#	
51	28.2	22.9	34.3	
120	21.1	16.7	25.1	





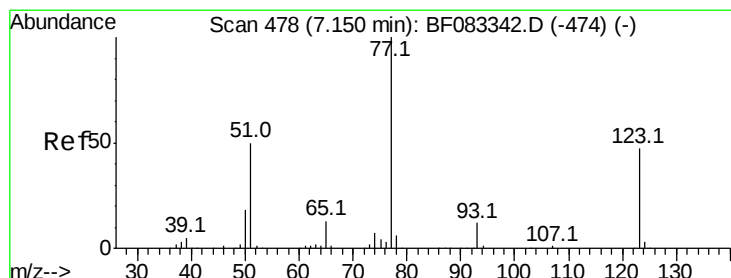
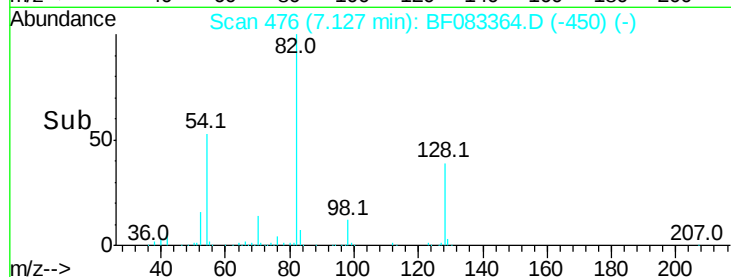
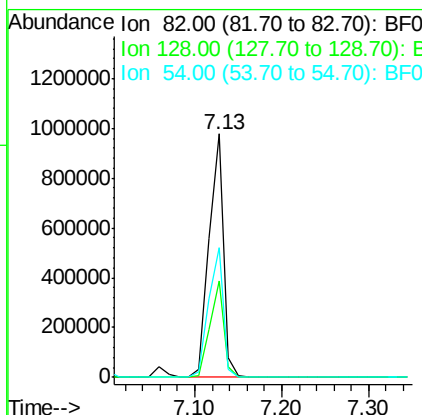
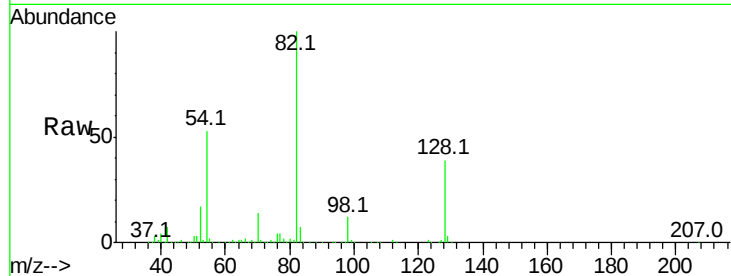
#23
Nitrobenzene-d5
Concen: 71.93 ng
RT: 7.13 min Scan# 476
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Tot Ion: 82 Resp: 1139272
Ion Ratio Lower Upper
82 100
128 39.4 30.6 46.0
54 53.4 43.8 65.6

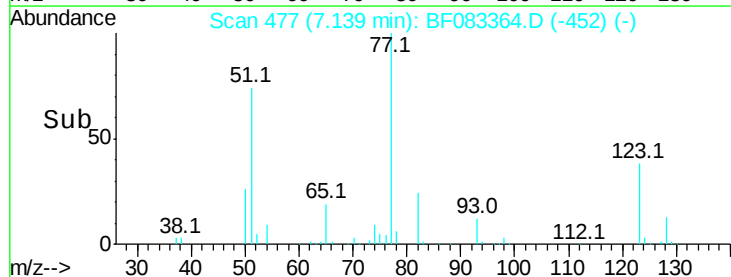
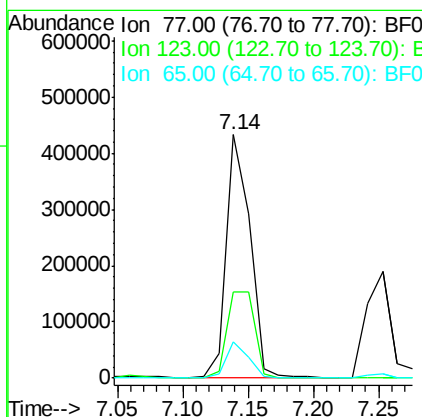
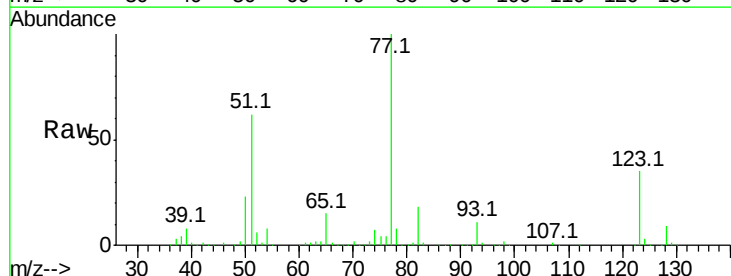
Manual Integrations
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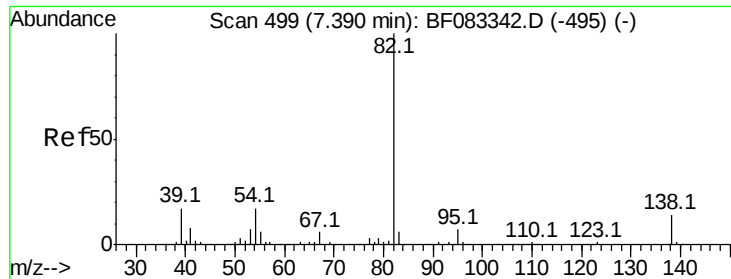
Mmdadoda
12/1/2015 6:35:15 PM



#24
Nitrobenzene
Concen: 32.05 ng
RT: 7.14 min Scan# 477
Delta R.T. -0.01 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion: 77 Resp: 542067
Ion Ratio Lower Upper
77 100
123 35.4 37.4 56.0#
65 15.1 10.6 15.8





#25

Isophorone

Concen: 35.62 ng

RT: 7.39 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Instrument :

BNA_F

ClientSampleId :

PB86921BSD

Tot Ion: 82 Resp: 1092793

Ion Ratio Lower Upper

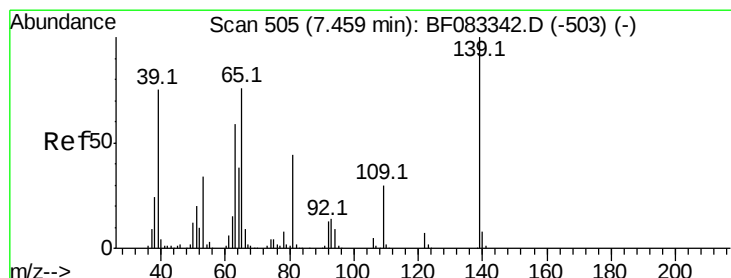
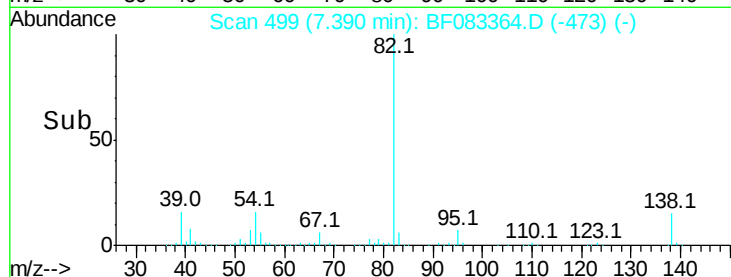
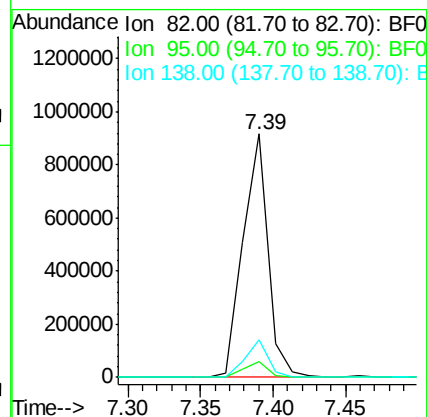
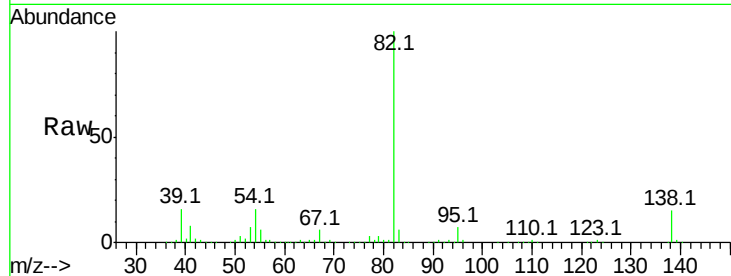
82 100

95 6.7 5.3 7.9

138 15.2 11.6 17.4

Manual Integrations
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Mmdadoda
12/1/2015 6:35:15 PM



#26

2-Nitrophenol

Concen: 35.12 ng

RT: 7.46 min Scan# 505

Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

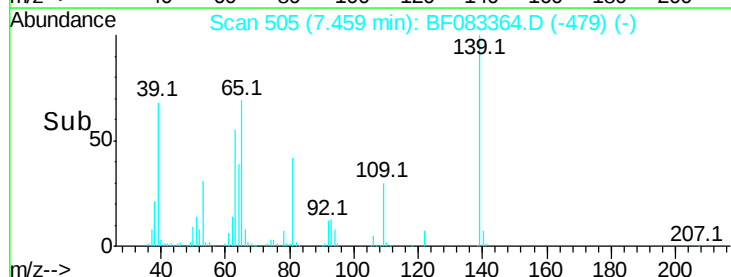
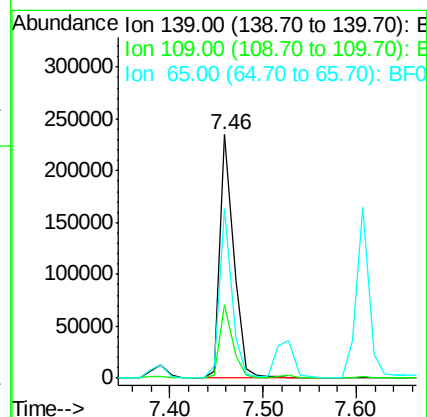
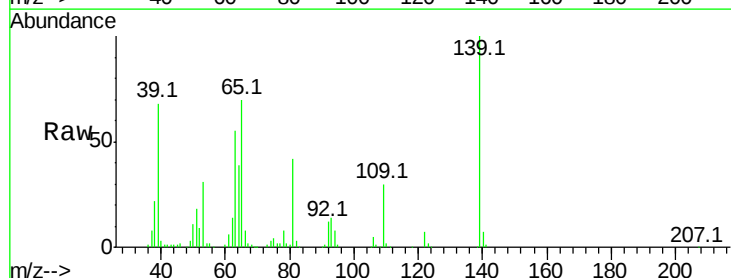
Tgt Ion: 139 Resp: 242482

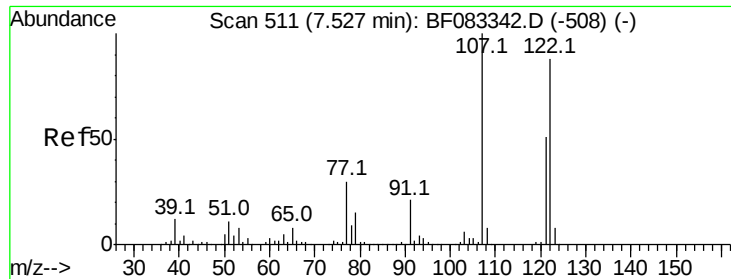
Ion Ratio Lower Upper

139 100

109 30.2 24.2 36.4

65 69.6 61.0 91.6





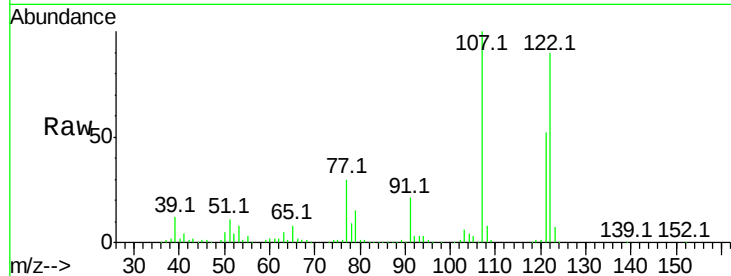
#27
 2,4-Dimethylphenol
 Concen: 39.58 ng
 RT: 7.53 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Instrument :
 BNA_F
 ClientSampleId :
 PB86921BSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	458056		
107	111.3	91.2	136.8	
121	57.8	46.4	69.6	

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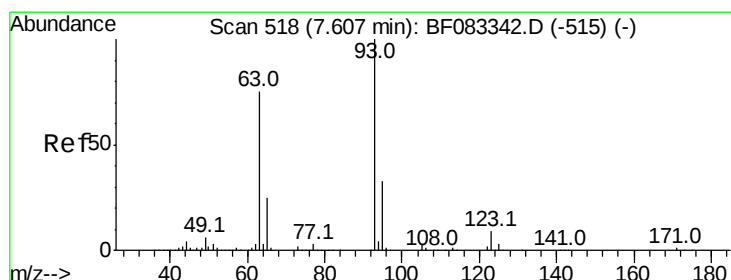
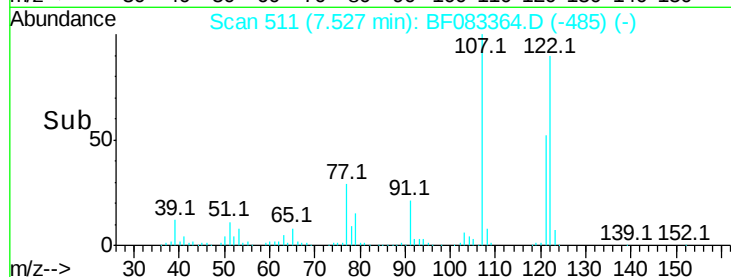
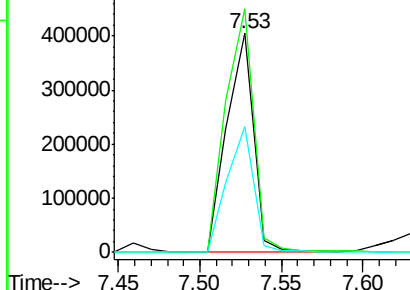


Abundance

Ion 122.00 (121.70 to 122.70): E

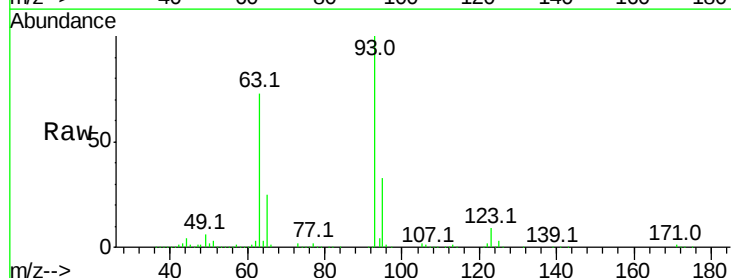
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
 bis(2-Chloroethoxy)methane
 Concen: 37.09 ng
 RT: 7.61 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	647994		
95	32.9	26.1	39.1	
123	9.2	7.4	11.0	

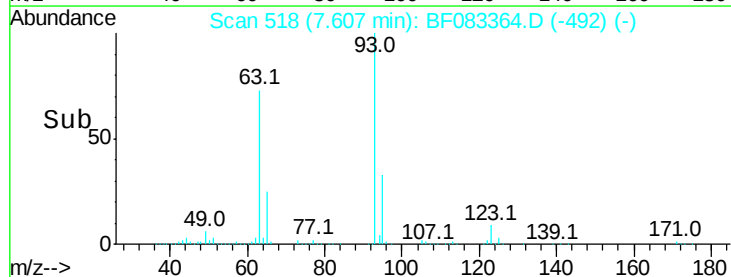
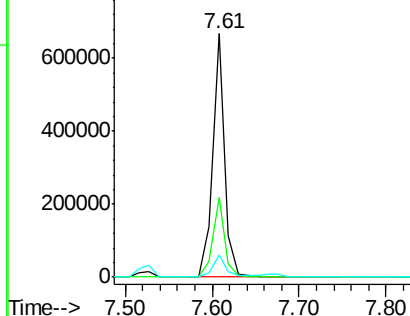


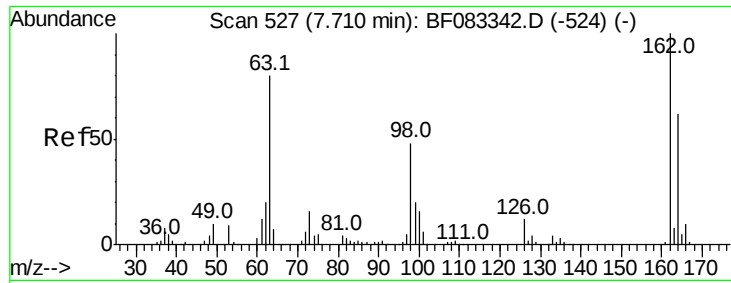
Abundance

Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





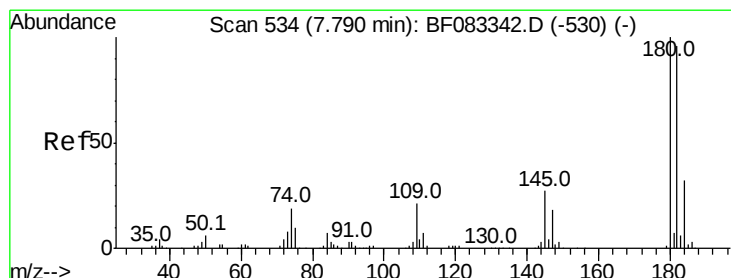
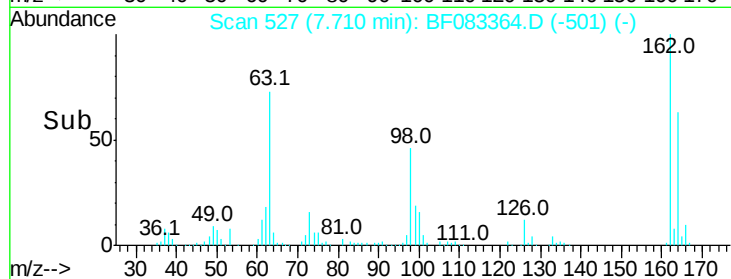
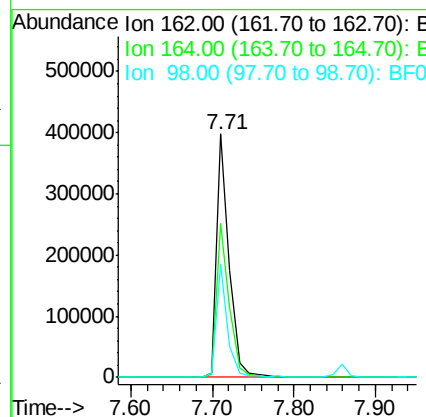
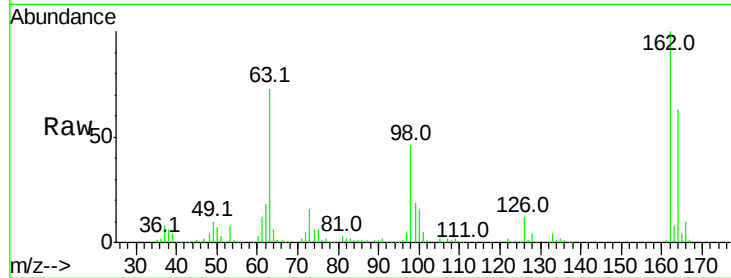
#29
 2,4-Dichlorophenol
 Concen: 38.31 ng
 RT: 7.71 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Instrument :
 BNA_F
 ClientSampleId :
 PB86921BSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	63.0	41.9	81.9
98	46.3	28.1	68.1

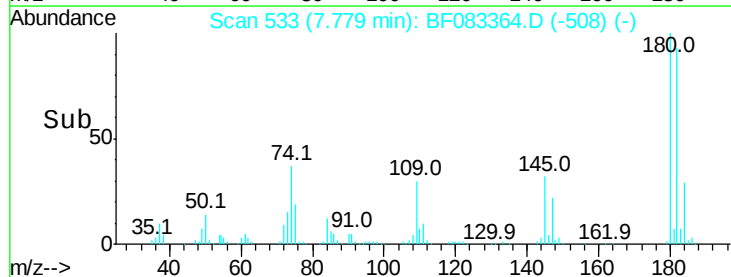
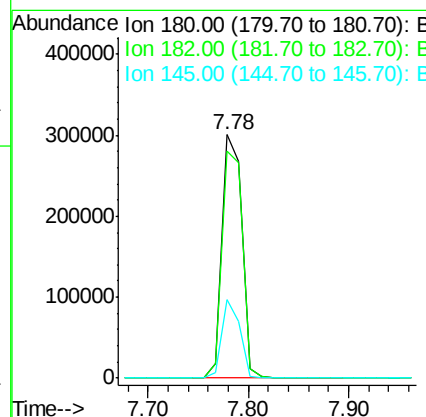
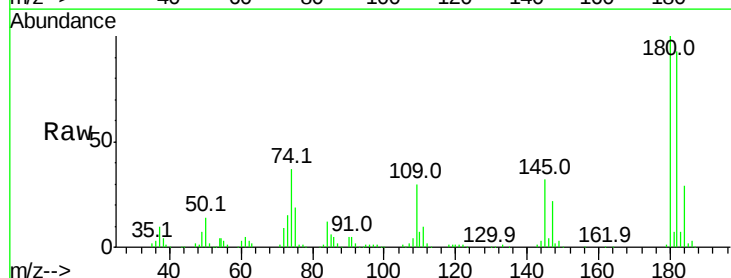
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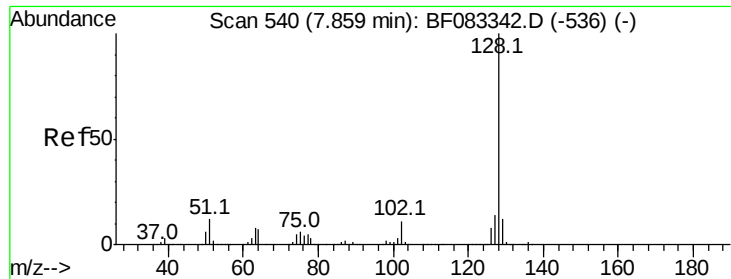
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#30
 1,2,4-Trichlorobenzene
 Concen: 34.17 ng
 RT: 7.78 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	93.1	77.2	115.8
145	32.1	21.4	32.2





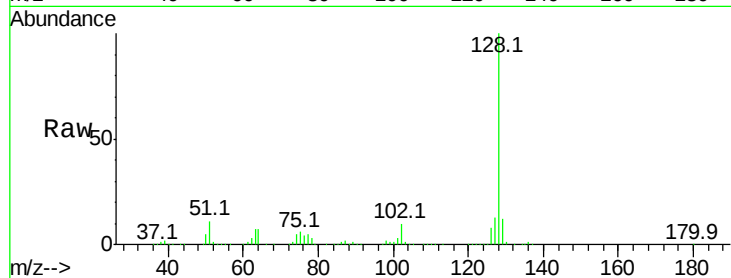
#31
Naphthalene
Concen: 35.47 ng
RT: 7.86 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

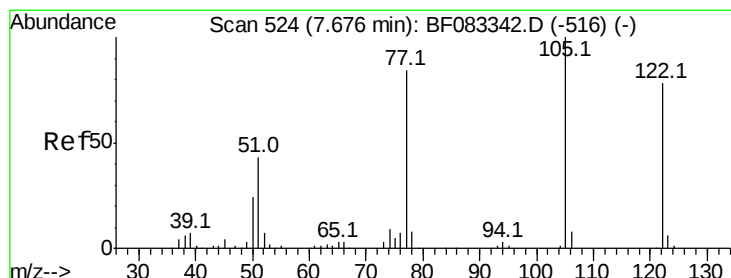
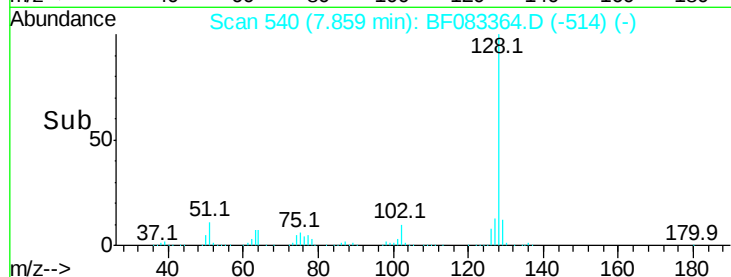
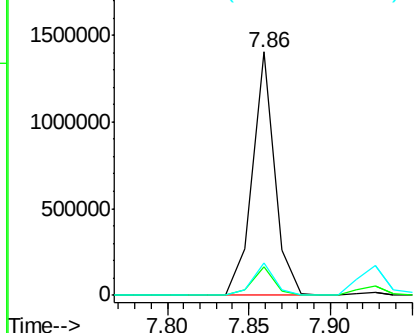
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.7	14.5
127	13.5	11.0	16.4

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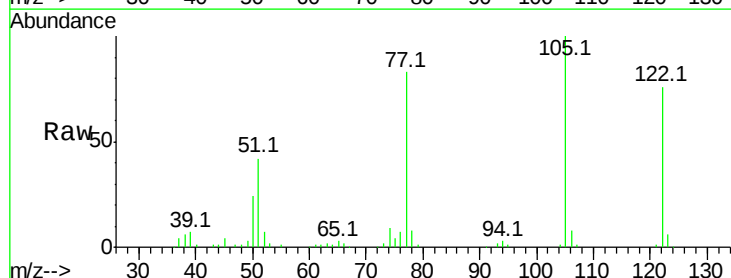


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

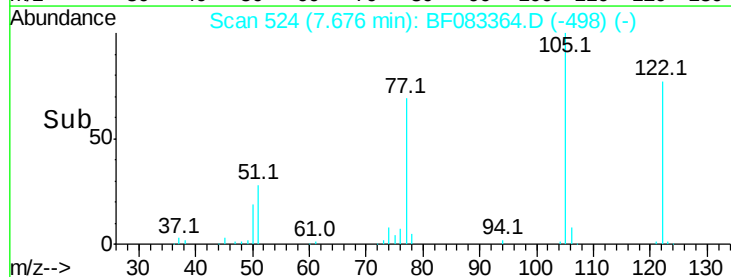
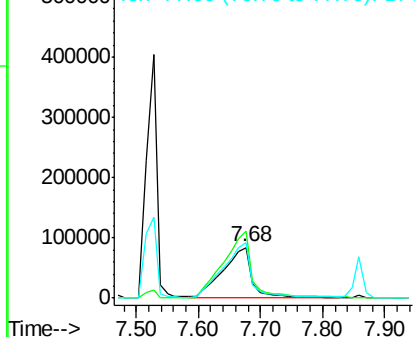


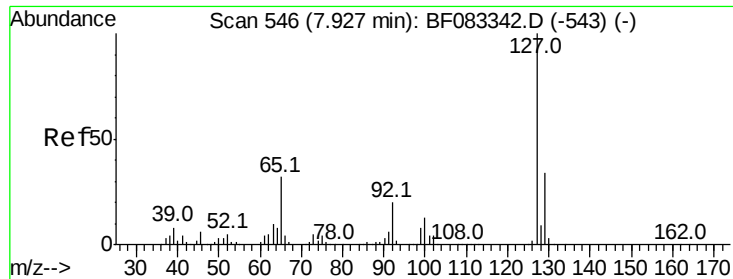
#32
Benzoic acid
Concen: 33.99 ng
RT: 7.68 min Scan# 524
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Lower	Upper
122	100		
105	131.0	106.0	146.0
77	109.2	86.3	126.3



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





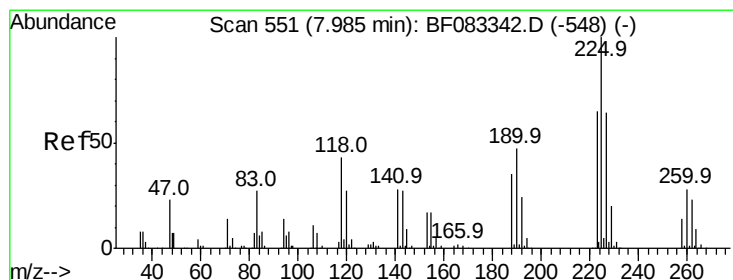
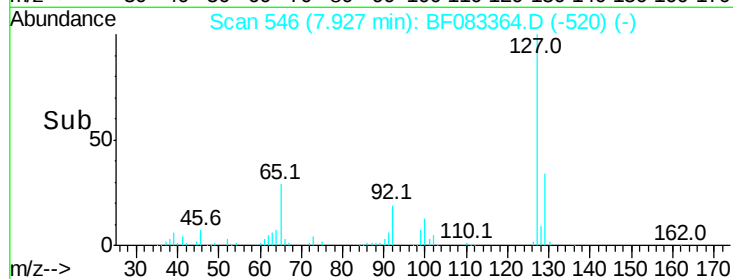
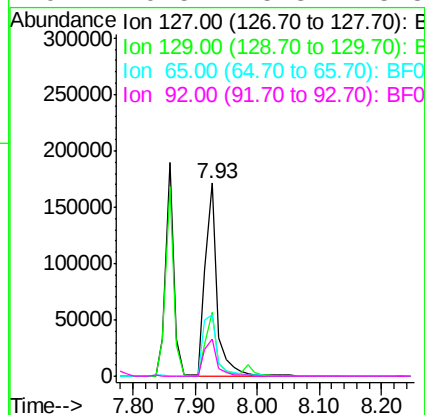
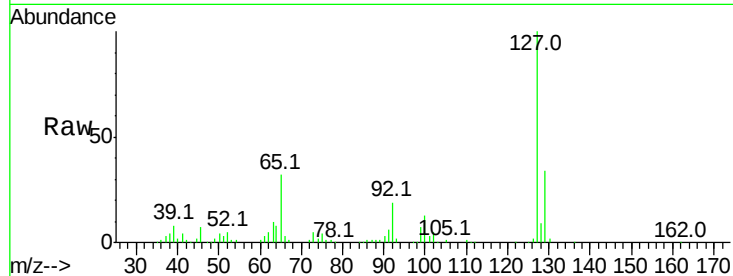
#33
4-Chloroaniline
Concen: 14.31 ng
RT: 7.93 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Tot Ion	Ratio	Resp Lower	Upper
127	100		
129	33.5	27.0	40.4
65	31.6	25.9	38.9
92	19.5	15.8	23.8

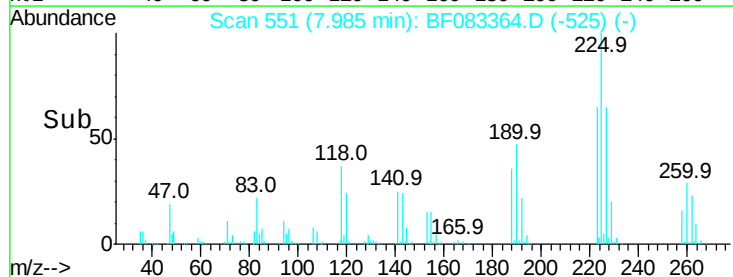
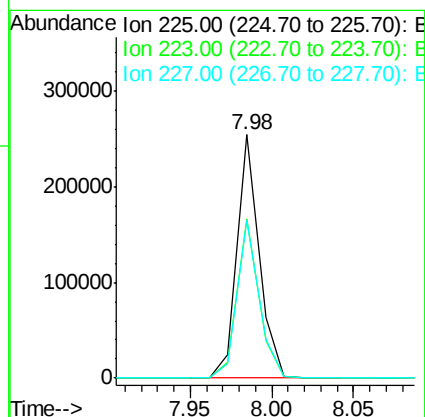
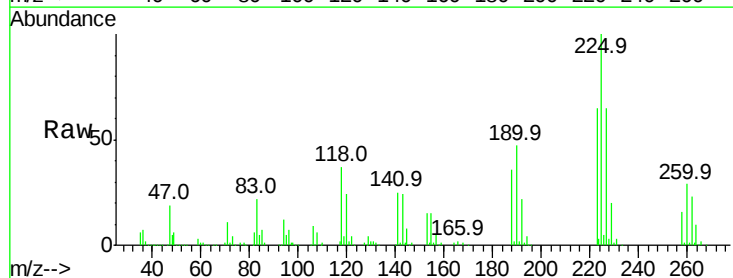
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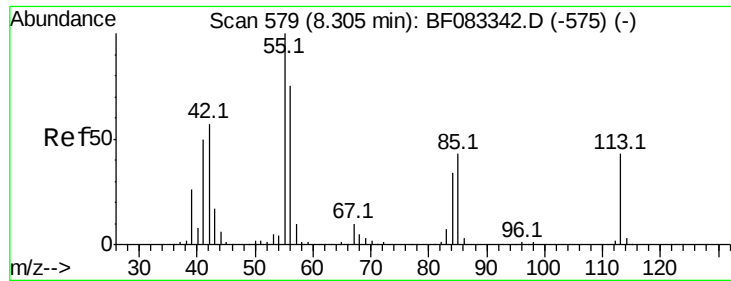
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#34
Hexachlorobutadiene
Concen: 34.45 ng
RT: 7.98 min Scan# 551
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	65.1	52.0	78.0
227	64.8	51.1	76.7





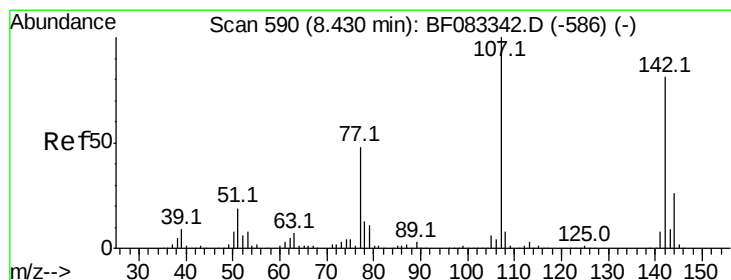
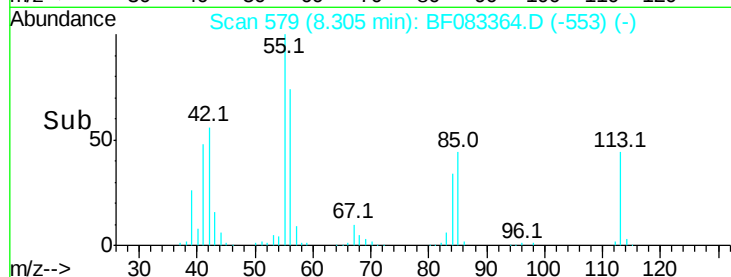
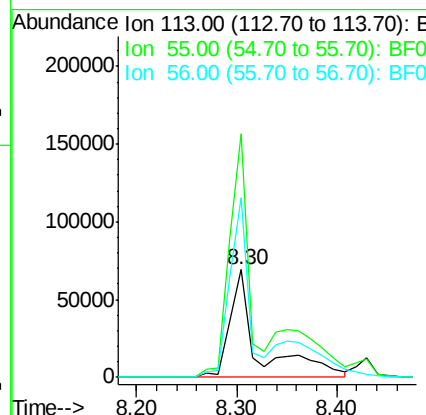
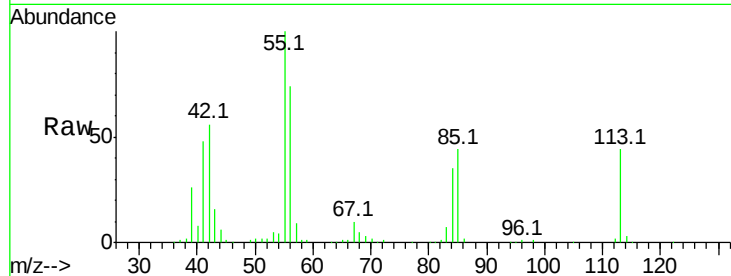
#35
 Caprolactam
 Concen: 38.77 ng/ml
 RT: 8.30 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Instrument :
 BNA_F
 ClientSampleId :
 PB86921BSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	226.4	211.6	251.6
56	166.9	153.0	193.0

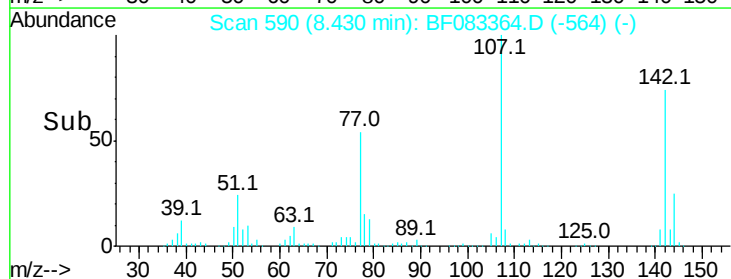
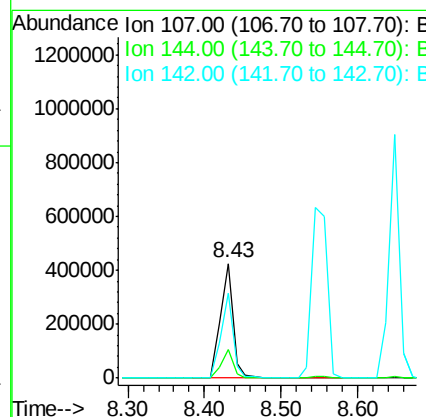
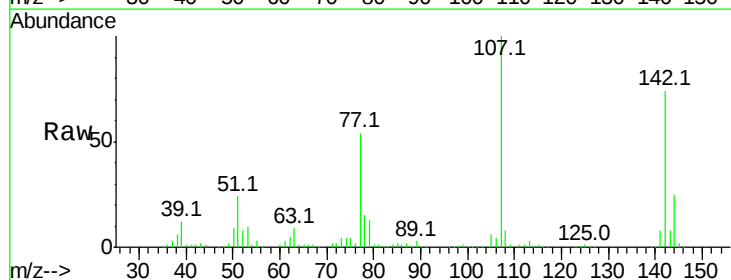
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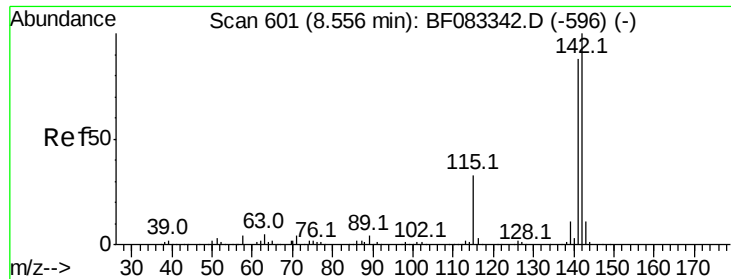
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#36
 4-Chloro-3-methylphenol
 Concen: 39.13 ng/ml
 RT: 8.43 min Scan# 590
 Delta R.T. 0.00 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.6	21.1	31.7
142	73.8	65.1	97.7





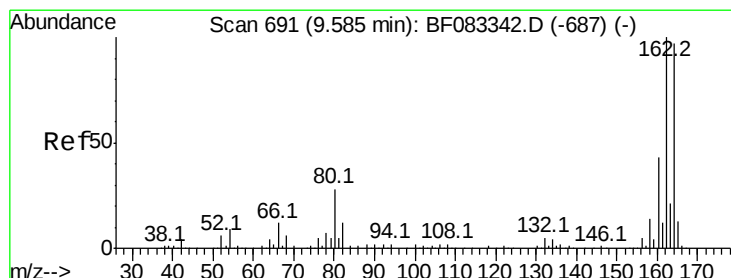
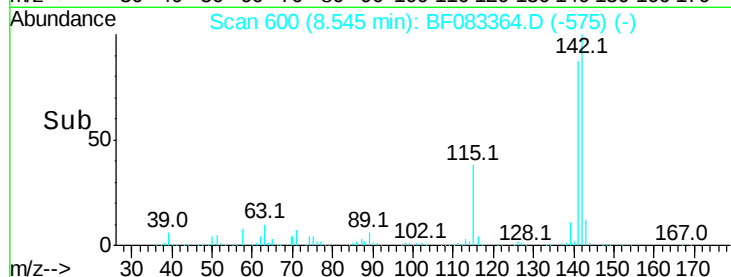
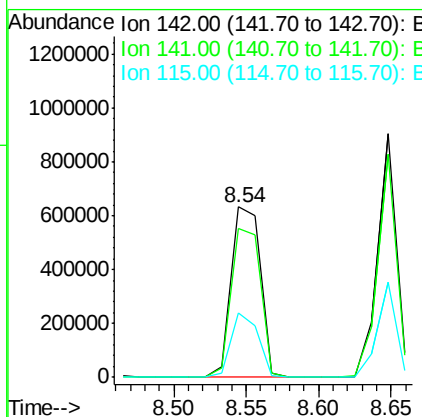
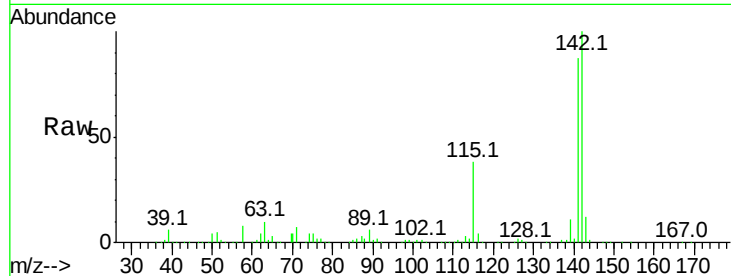
#37
 2-Methylnaphthalene
 Concen: 34.98 ng
 RT: 8.54 min Scan# 600
 Delta R.T. -0.01 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Instrument :
 BNA_F
 ClientSampleId :
 PB86921BSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.6	105.8
115	37.6	26.2	39.2

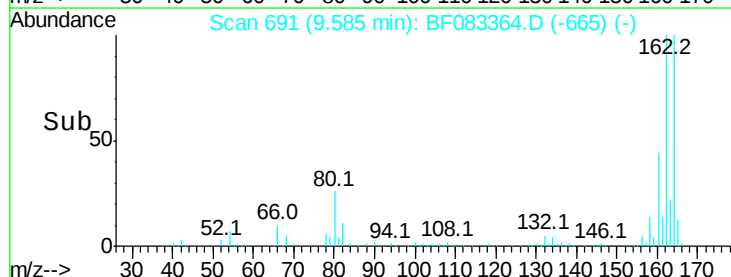
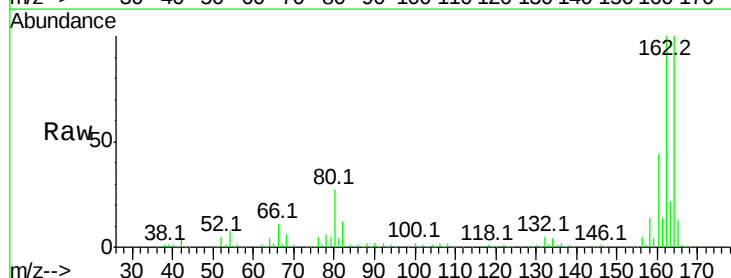
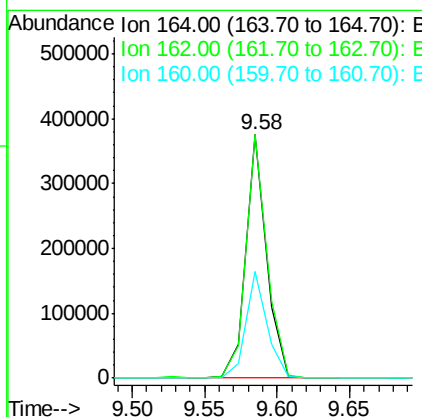
Manual Integrations
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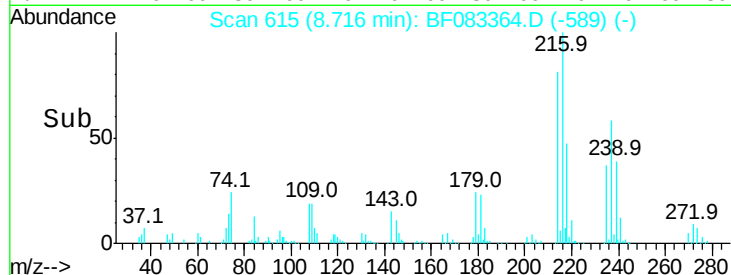
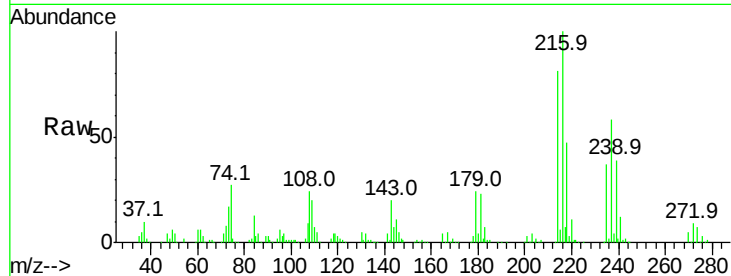
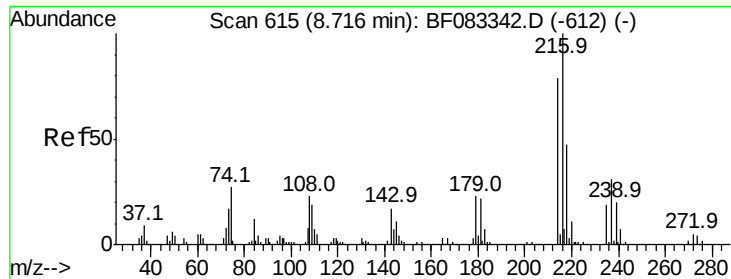
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 691
 Delta R.T. 0.00 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.6	123.8
160	43.8	35.3	52.9





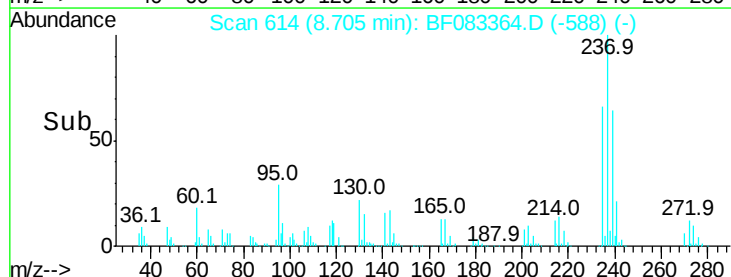
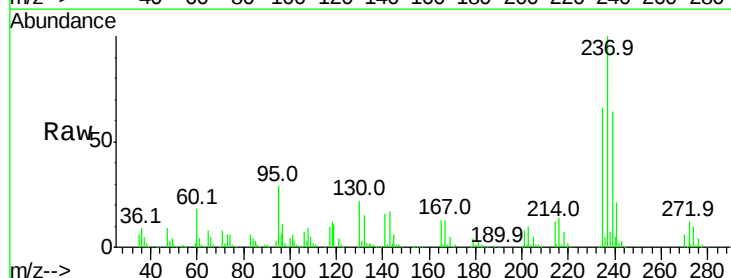
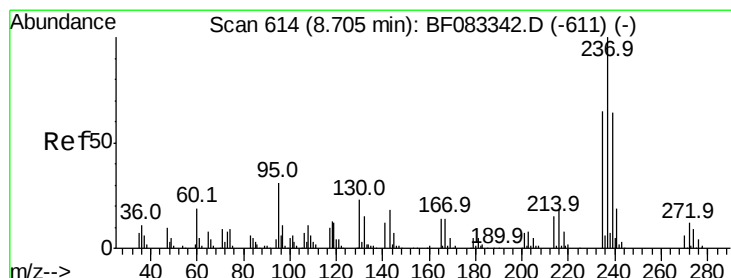
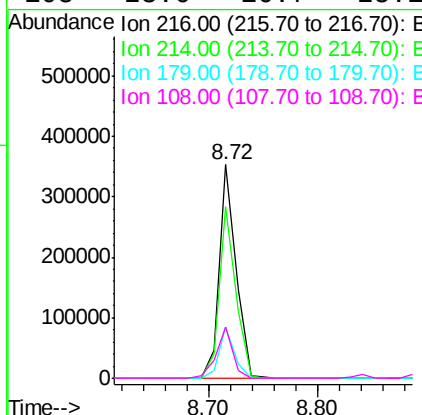
#39
1,2,4,5-Tetrachlorobenzene
Concen: 32.27 ng
RT: 8.72 min Scan# 615
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Manual Integrations
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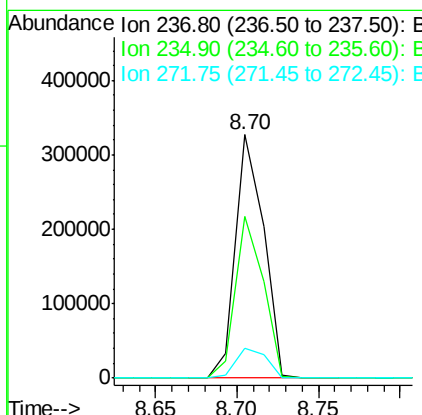
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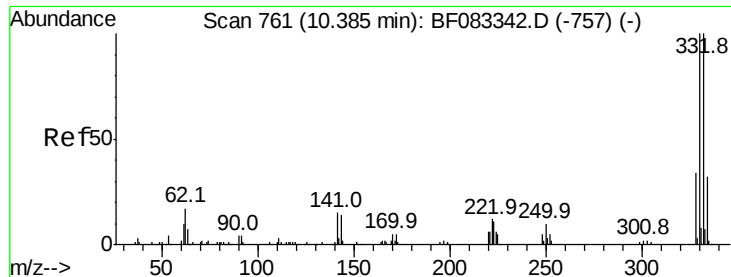
Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	79.8	62.3	93.5
179	21.6	17.0	25.4
108	23.6	16.7	25.1



#40
Hexachlorocyclopentadiene
Concen: 69.86 ng
RT: 8.70 min Scan# 614
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	66.4	44.5	84.5
272	12.5	0.0	31.6





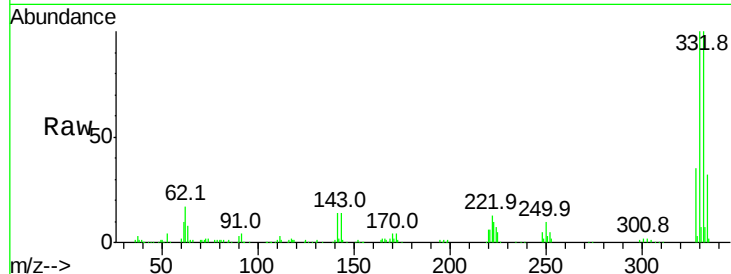
#41
 2,4,6-Tribromophenol
 Concen: 69.97 ng
 RT: 10.38 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Instrument :
 BNA_F
 ClientSampleId :
 PB86921BSD

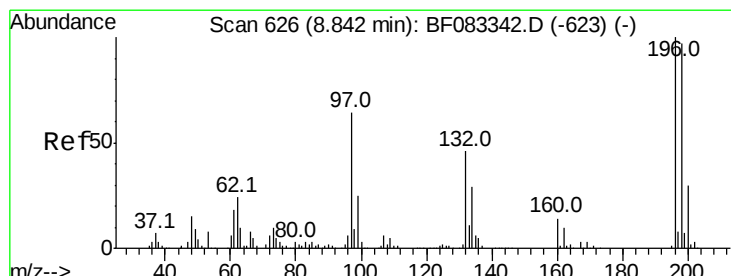
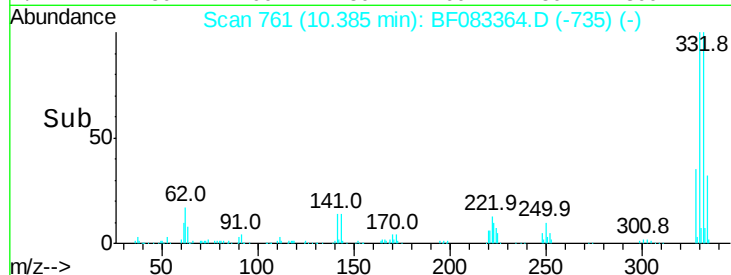
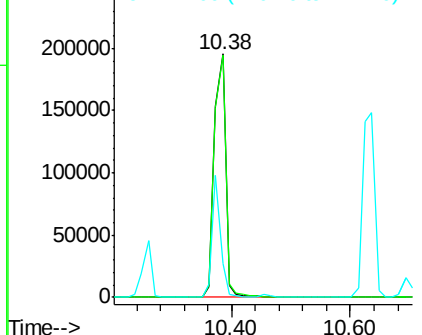
Tot Ion	Ratio	Resp	Lower	Upper
330	100	261198		
332	99.5	77.8	116.6	
141	37.1	29.4	44.0	

Manual Integrations
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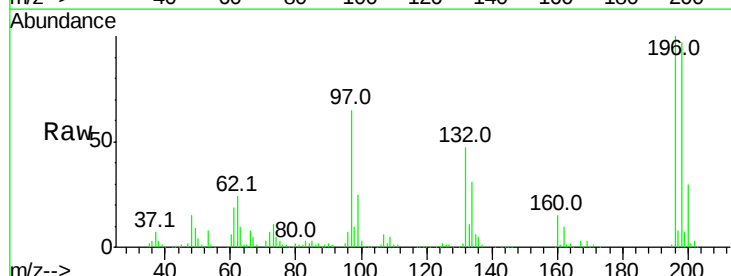


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

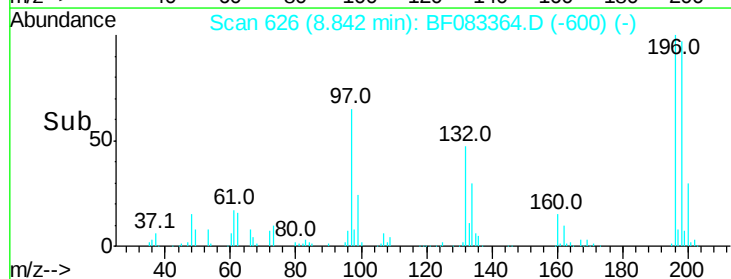
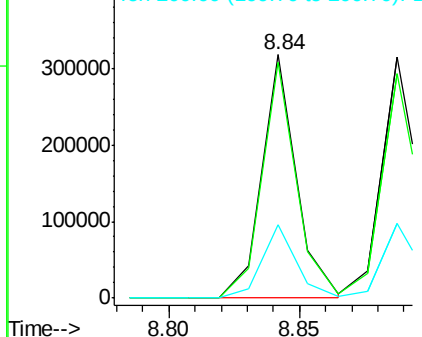


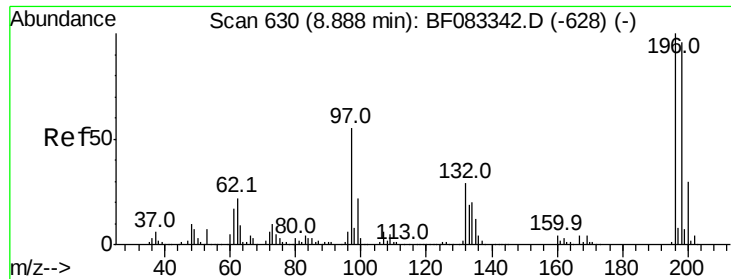
#42
 2,4,6-Trichlorophenol
 Concen: 35.58 ng
 RT: 8.84 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	294184		
198	96.8	77.2	115.8	
200	30.3	24.2	36.4	



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





#43

2,4,5-Trichlorophenol

Concen: 37.27 ng

RT: 8.89 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF083364.D

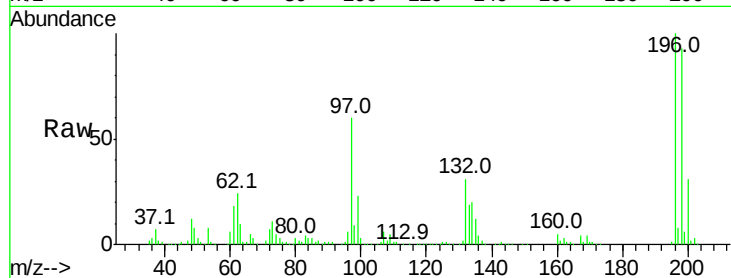
Acq: 1 Dec 2015 6:16

Instrument :

BNA_F

ClientSampleId :

PB86921BSD



Tot Ion:196 Resp: 319279

Ion Ratio Lower Upper

196 100

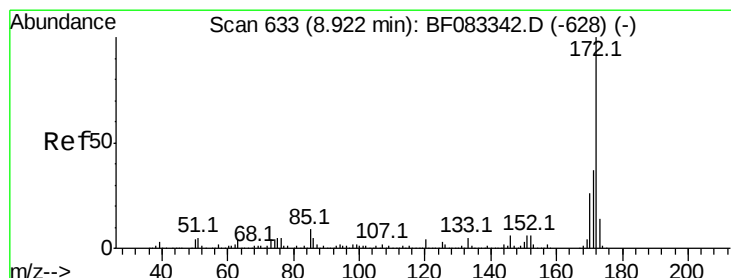
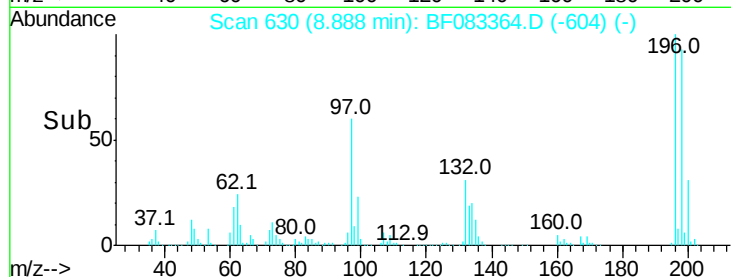
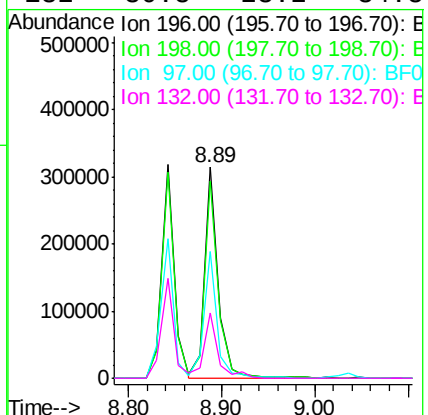
198 93.1 77.2 115.8

97 60.3 44.4 66.6

132 30.8 23.2 34.8

Manual Integrations
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Mmdadoda
12/1/2015 6:35:15 PM



#44

2-Fluorobiphenyl

Concen: 69.67 ng

RT: 8.92 min Scan# 633

Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

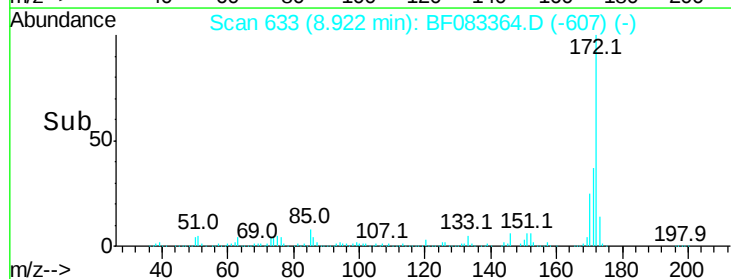
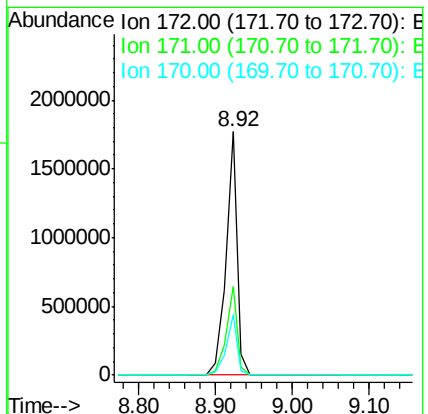
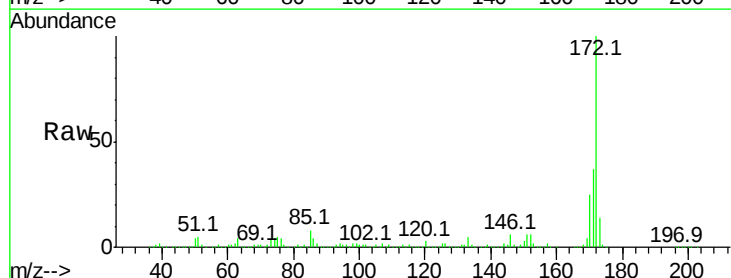
Tgt Ion:172 Resp: 1818097

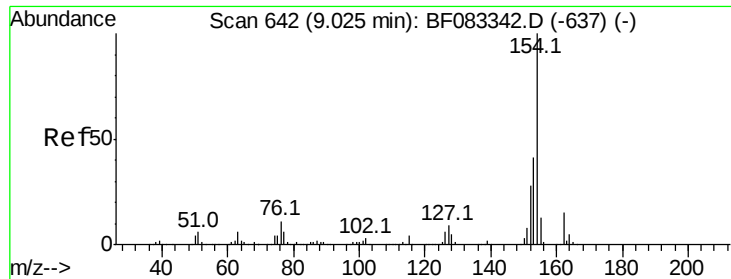
Ion Ratio Lower Upper

172 100

171 36.7 29.4 44.0

170 25.0 20.4 30.6





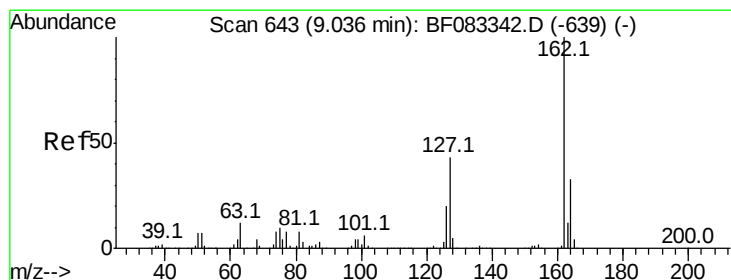
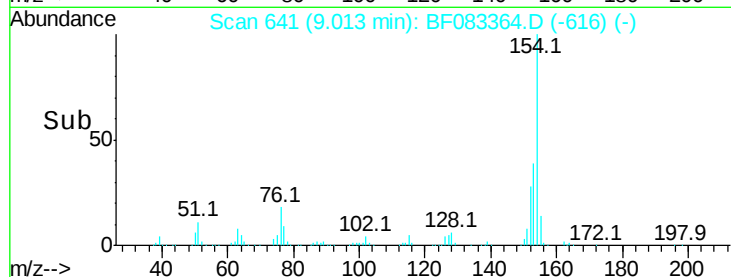
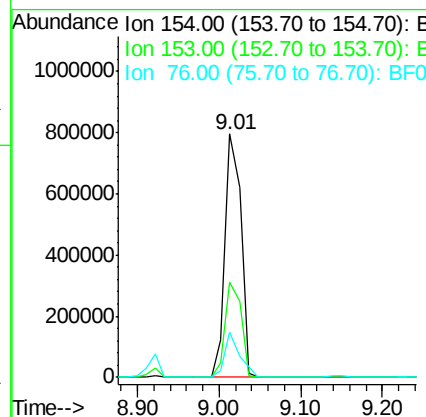
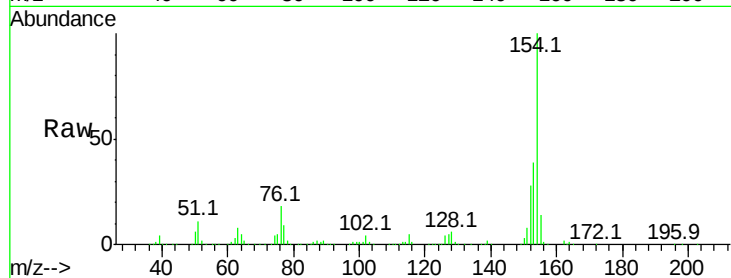
#45
 1,1'-Biphenyl
 Concen: 32.97 ng
 RT: 9.01 min Scan# 641
 Delta R.T. -0.01 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Instrument :
 BNA_F
 ClientSampleId :
 PB86921BSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.3	20.6	60.6
76	18.4	0.0	30.5

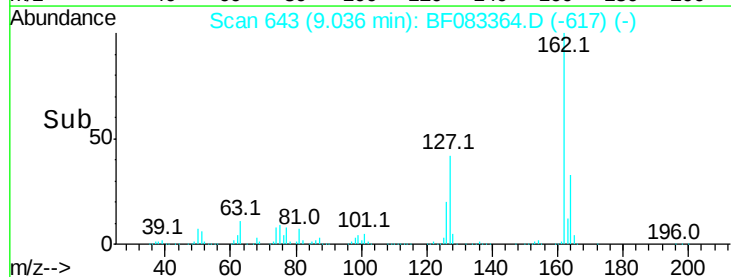
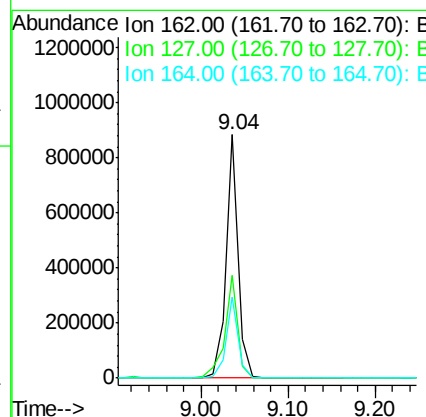
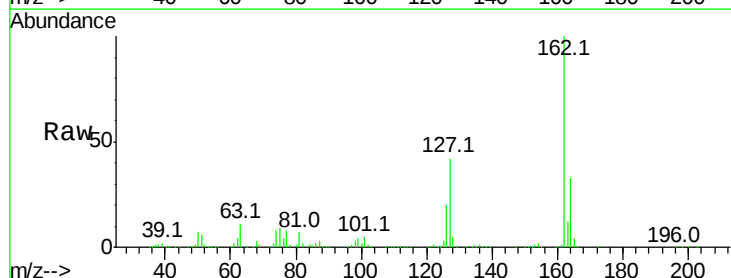
Manual Integrations
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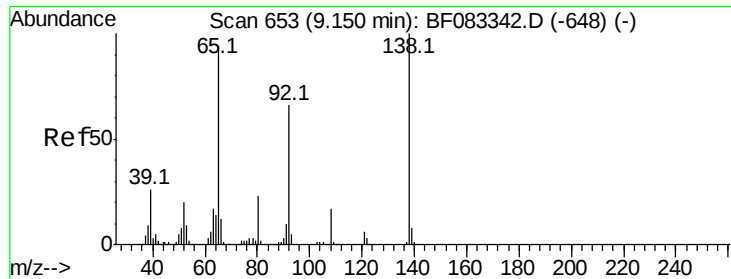
Mmdadoda
 12/1/2015 6:35:15 PM



#46
 2-Chloronaphthalene
 Concen: 34.82 ng
 RT: 9.04 min Scan# 643
 Delta R.T. 0.00 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.3	34.1	51.1
164	33.4	26.6	39.8





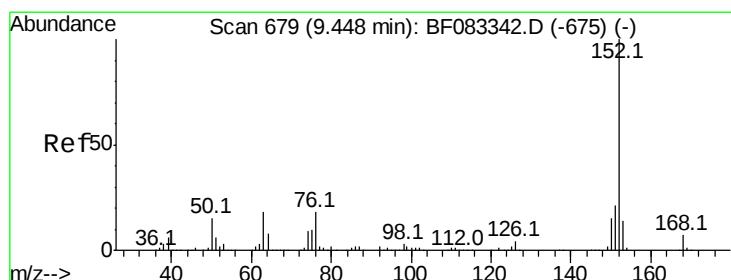
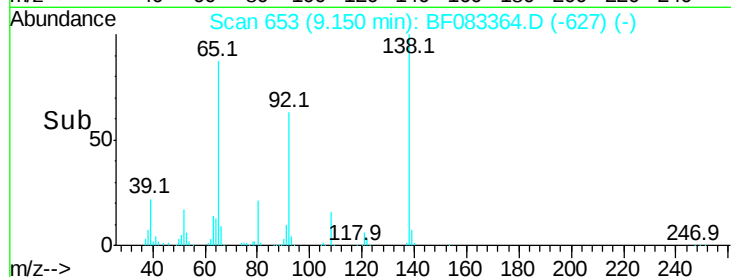
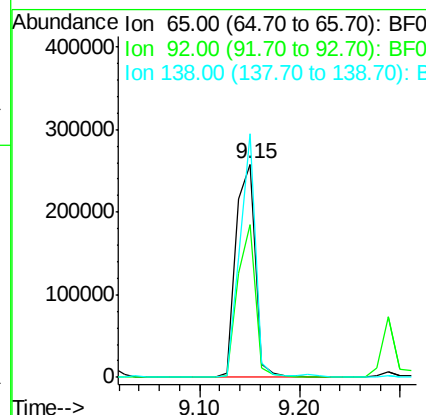
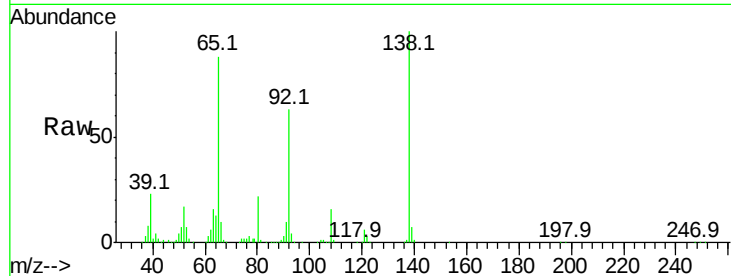
#47
2-Nitroaniline
Concen: 35.35 ng
RT: 9.15 min Scan# 653
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	71.8	56.2	84.4
138	114.0	85.4	128.0

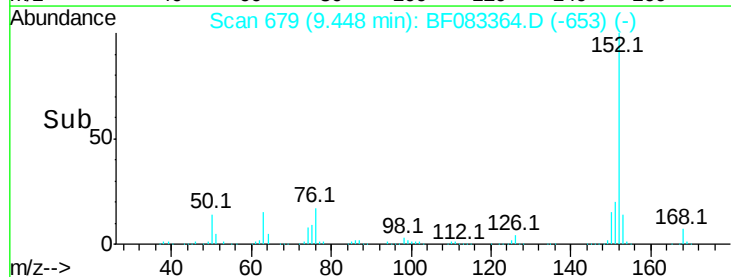
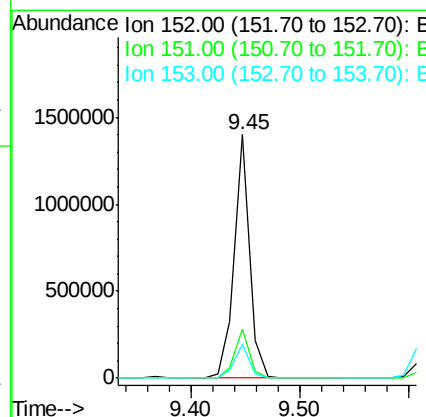
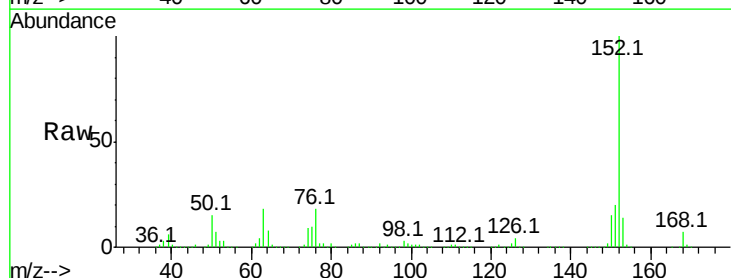
Manual Integrations
APPROVED

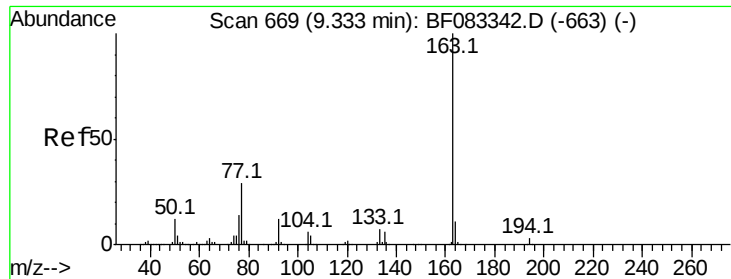
Mmdadoda
12/1/2015 6:35:15 PM



#48
Acenaphthylene
Concen: 34.24 ng
RT: 9.45 min Scan# 679
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.7	25.1
153	13.9	11.2	16.8





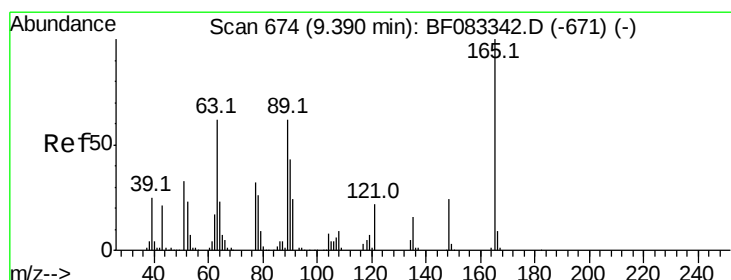
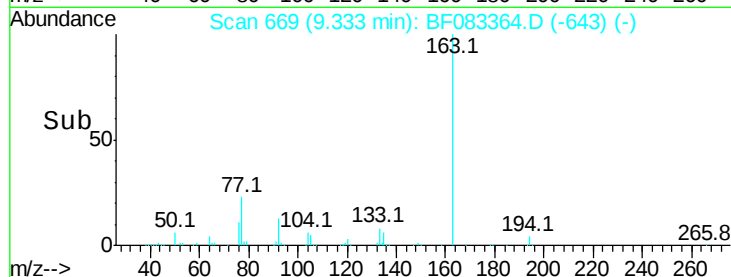
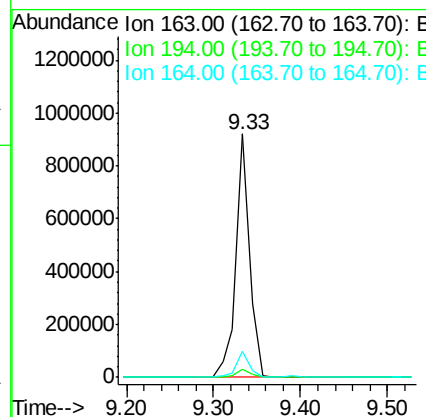
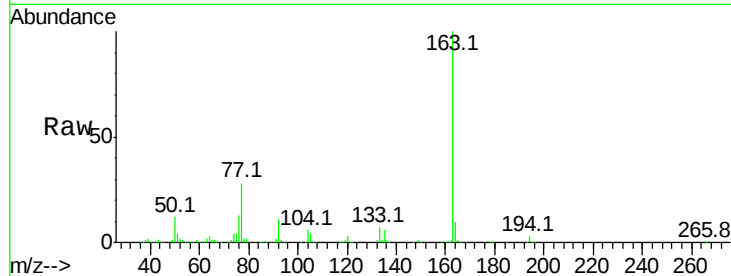
#49
Dimethylphthalate
Concen: 32.86 ng
RT: 9.33 min Scan# 669
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	993006		
194	3.4		2.7	4.1
164	10.5		8.8	13.2

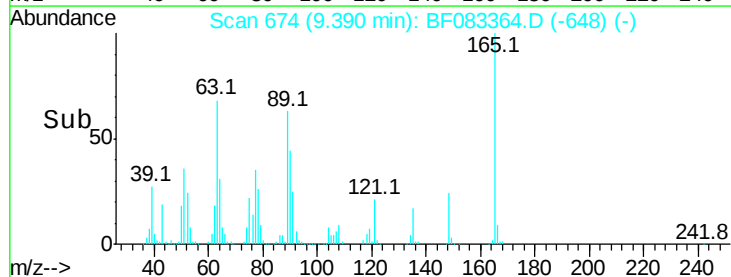
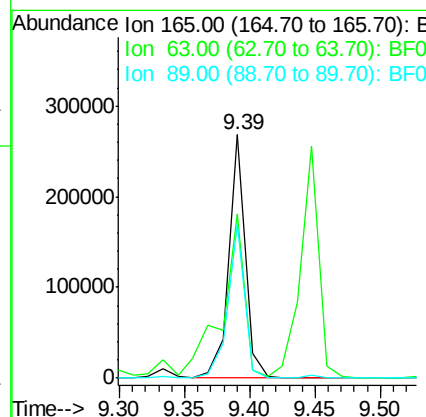
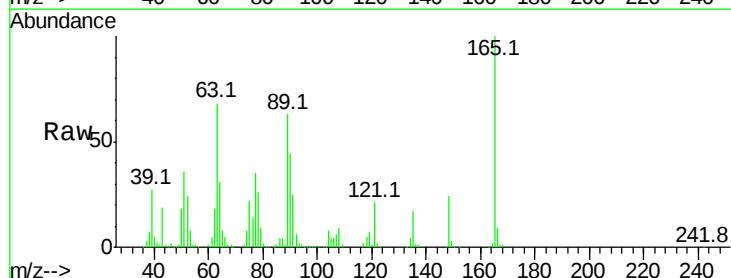
Manual Integrations
APPROVED

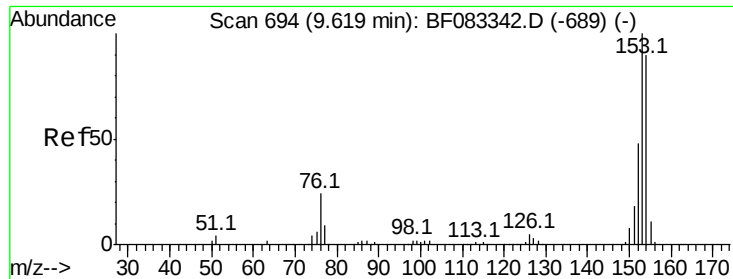
Mmdadoda
12/1/2015 6:35:15 PM



#50
2,6-Dinitrotoluene
Concen: 36.88 ng
RT: 9.39 min Scan# 674
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	238021		
63	67.6		56.0	84.0
89	63.4		49.8	74.8





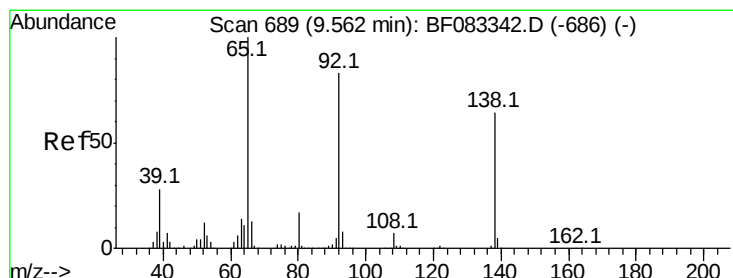
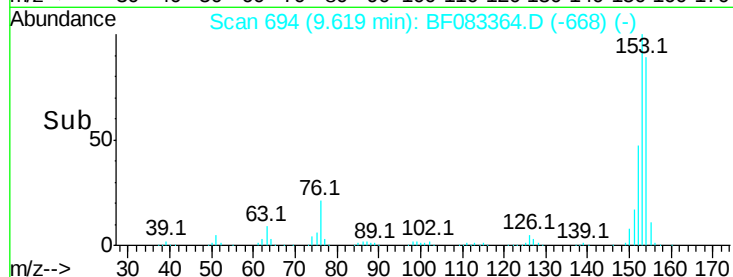
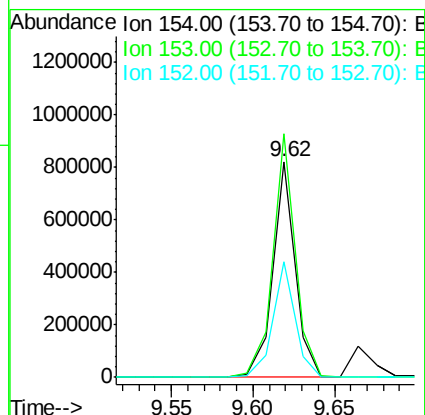
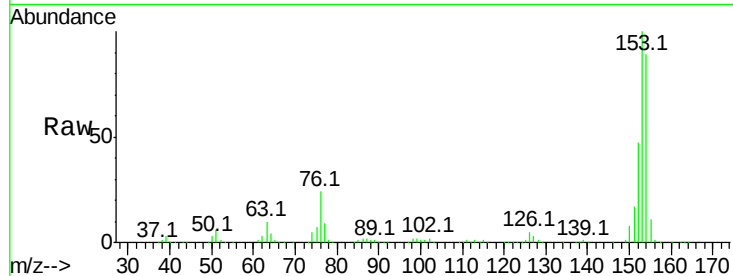
#51
Acenaphthene
Concen: 33.79 ng
RT: 9.62 min Scan# 694
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.3	133.9
152	53.3	42.5	63.7

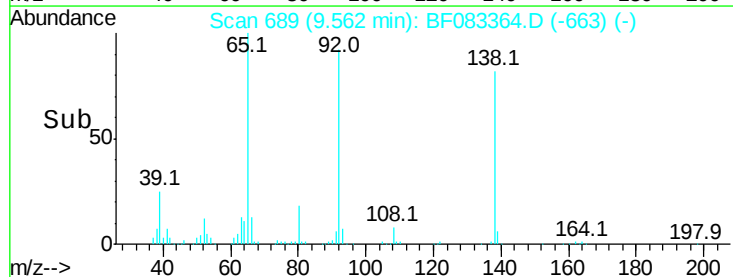
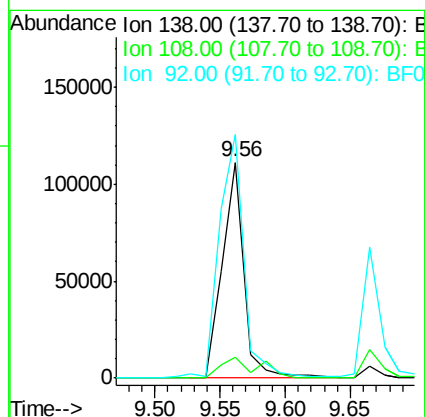
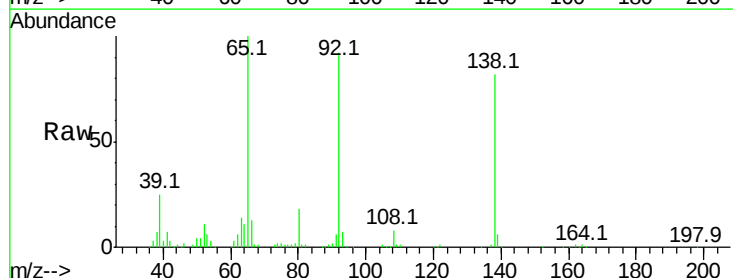
Manual Integrations
APPROVED

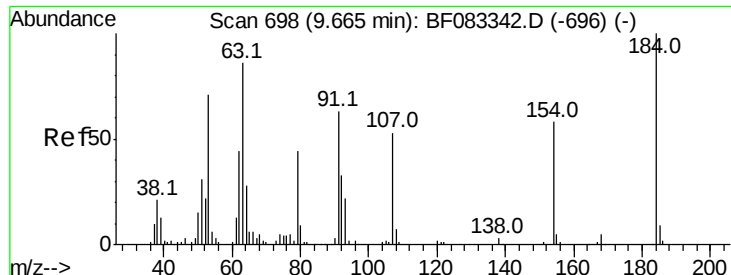
Mmdadoda
12/1/2015 6:35:15 PM



#52
3-Nitroaniline
Concen: 17.05 ng
RT: 9.56 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Lower	Upper
138	100		
108	9.9	8.4	12.6
92	112.7	104.2	156.4





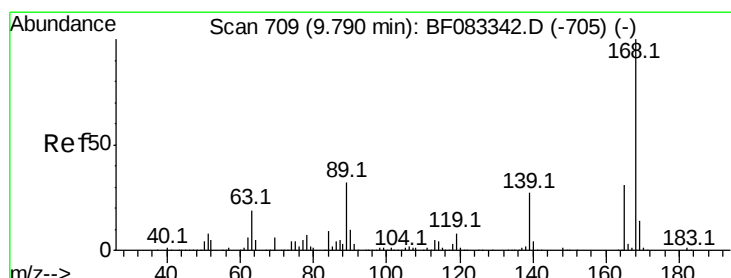
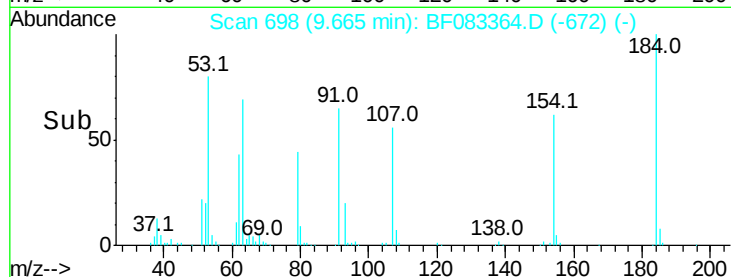
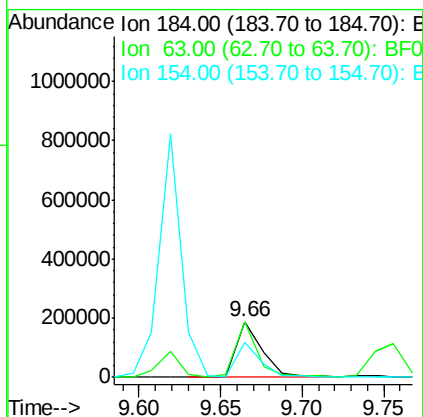
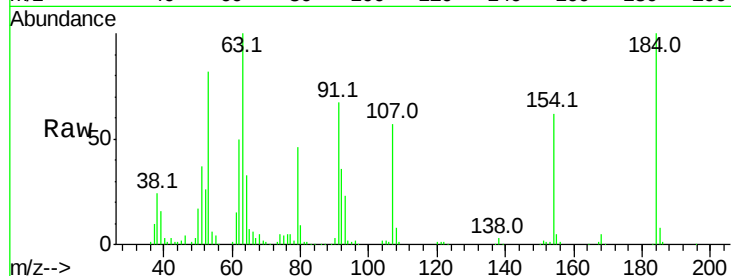
#53
2,4-Dinitrophenol
Concen: 55.62 ng
RT: 9.66 min Scan# 698
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	207714		
63	99.9	69.0	103.6	
154	62.2	50.0	75.0	

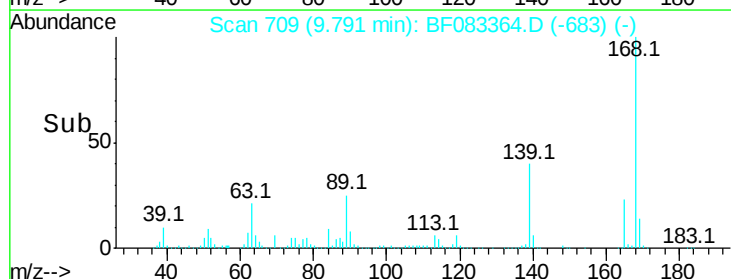
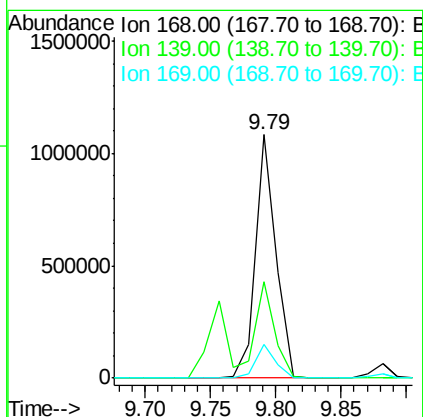
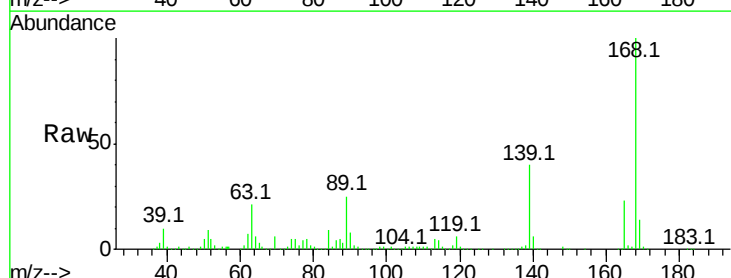
Manual Integrations
APPROVED

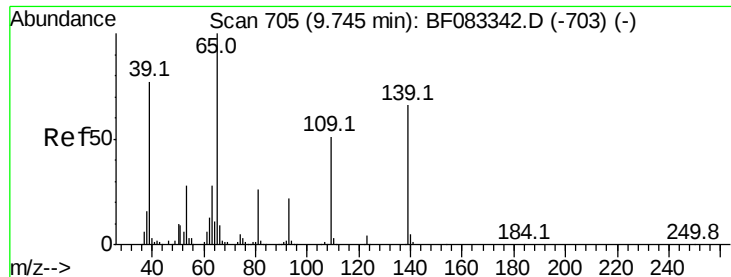
Mmdadoda
12/1/2015 6:35:15 PM



#54
Dibenzofuran
Concen: 34.51 ng
RT: 9.79 min Scan# 709
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1179095		
139	39.8	32.7	49.1	
169	14.0	11.1	16.7	





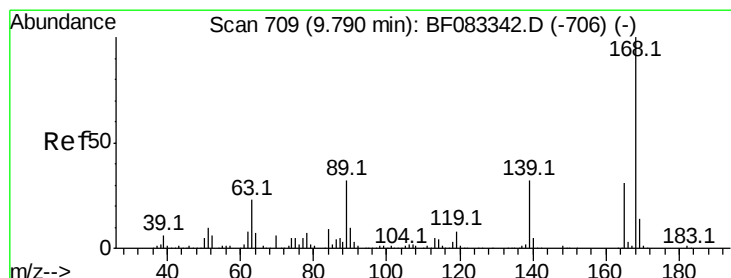
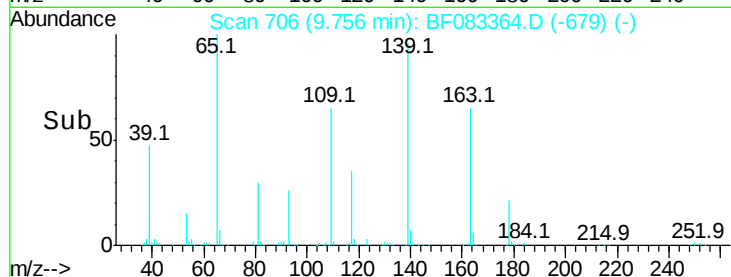
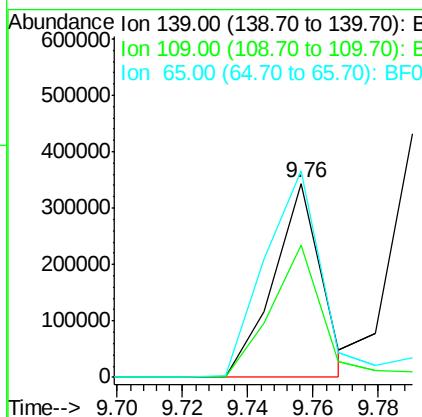
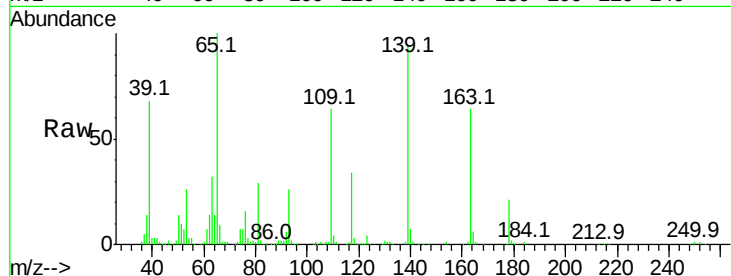
#55
4-Nitrophenol
Concen: 73.77 ng
RT: 9.76 min Scan# 706
Delta R.T. 0.01 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	68.2	57.4	97.4	
65	106.2	131.6	171.6	

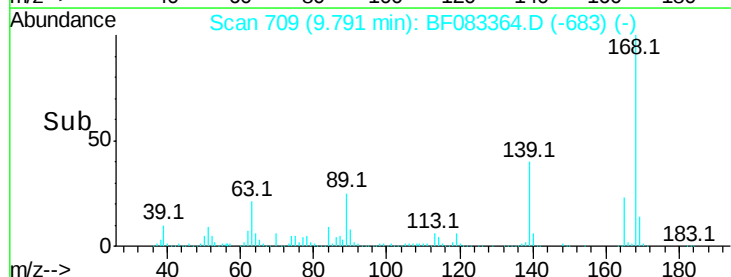
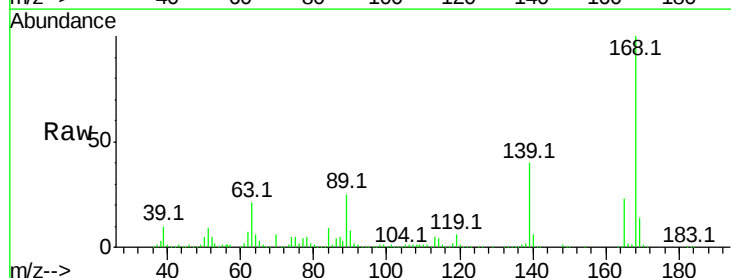
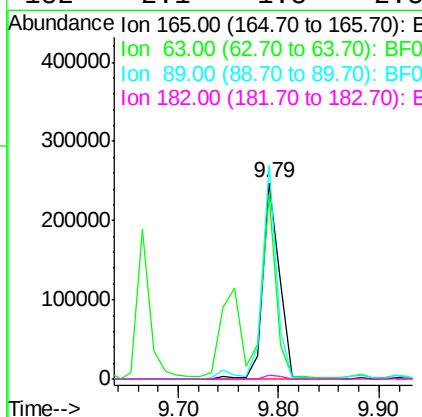
Manual Integrations
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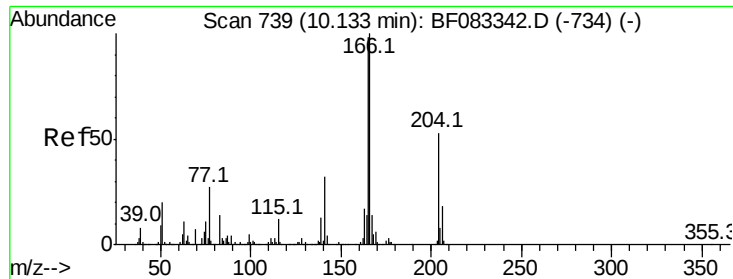
Mmdadoda
12/1/2015 6:35:15 PM



#56
2,4-Dinitrotoluene
Concen: 34.31 ng
RT: 9.79 min Scan# 709
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	94.1	65.4	98.0	
89	109.0	81.2	121.8	
182	2.1	1.8	2.8	





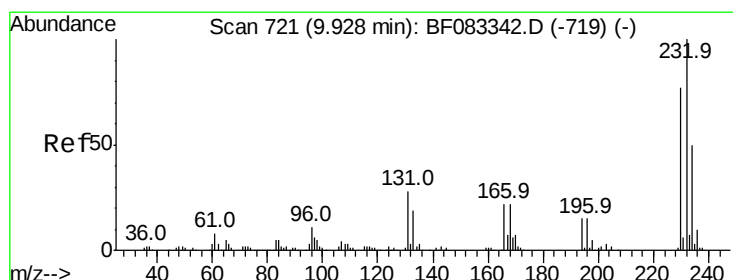
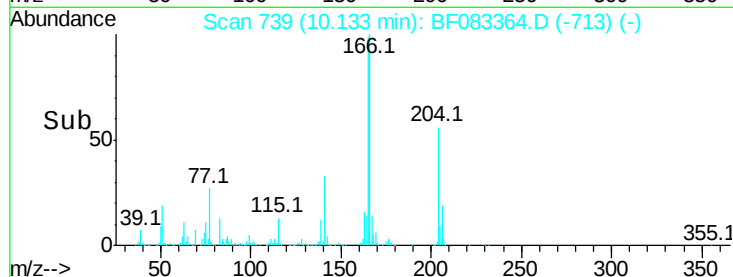
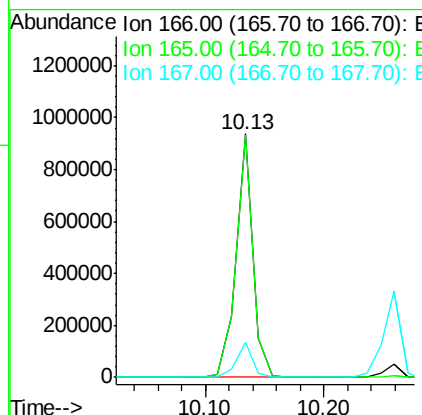
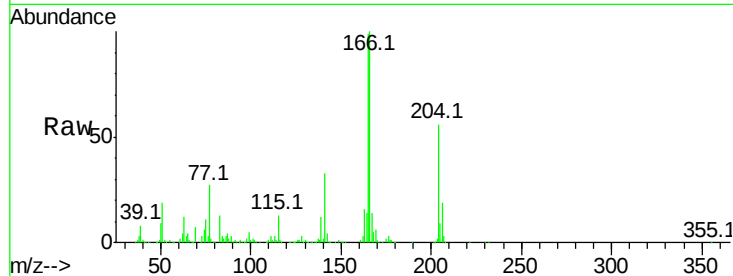
#57
Fluorene
Concen: 34.15 ng
RT: 10.13 min Scan# 739
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.3	78.3	117.5	
167	14.1	11.1	16.7	

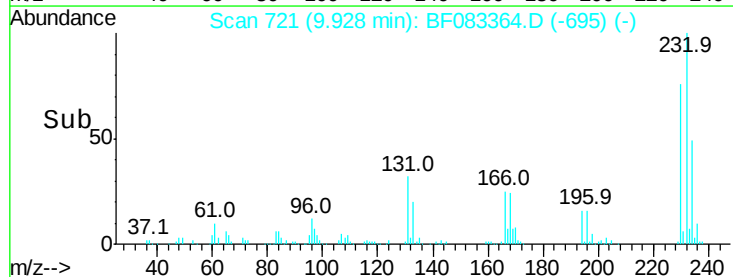
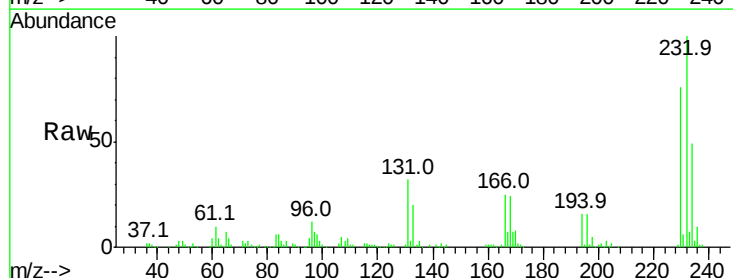
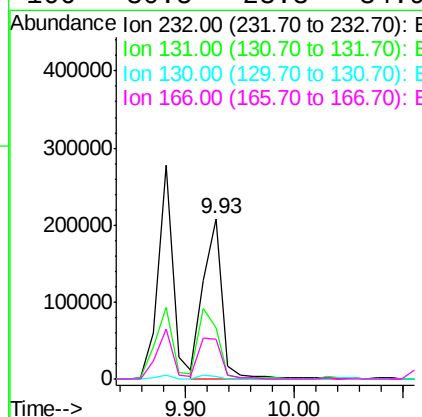
Manual Integrations
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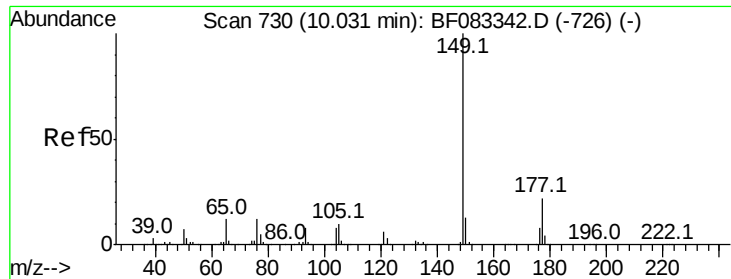
Mmdadoda
12/1/2015 6:35:15 PM



#58
2,3,4,6-Tetrachlorophenol
Concen: 36.48 ng
RT: 9.93 min Scan# 721
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
232	100			
131	45.7	35.4	53.2	
130	2.1	1.7	2.5	
166	30.5	23.3	34.9	





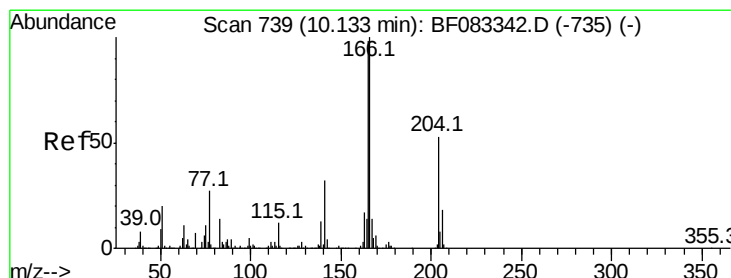
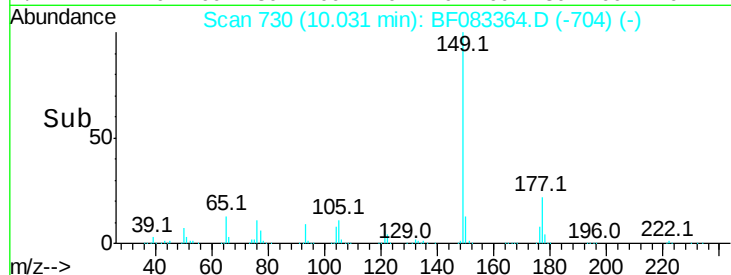
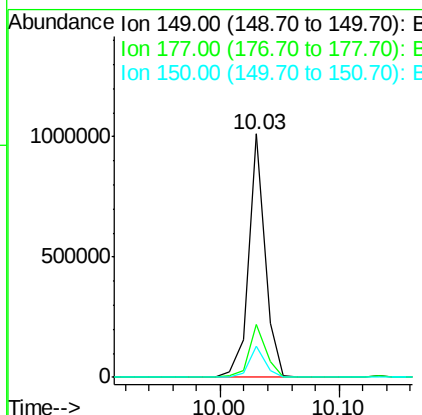
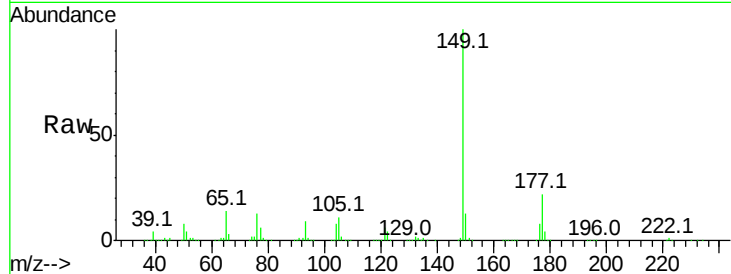
#59
Diethylphthalate
Concen: 33.85 ng
RT: 10.03 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampled :
PB86921BSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	975214		
177	21.7		17.4	26.2
150	13.0		10.4	15.6

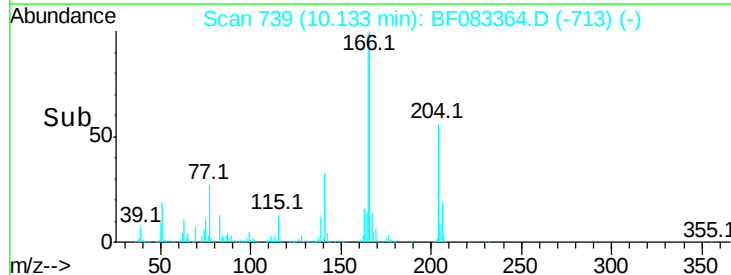
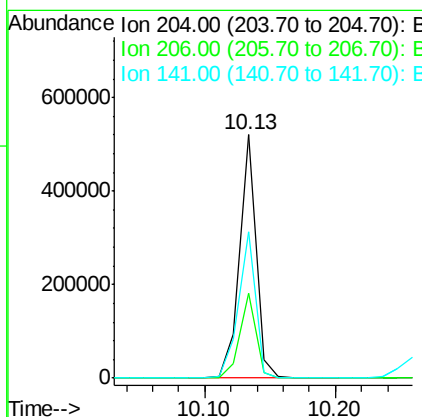
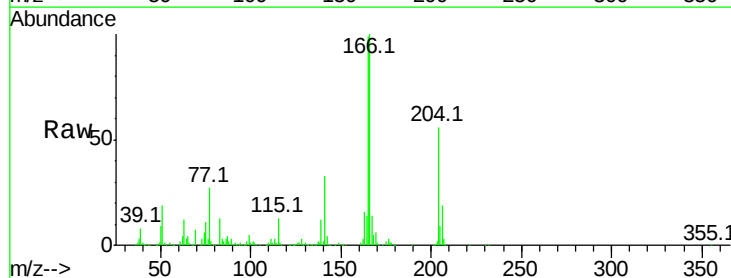
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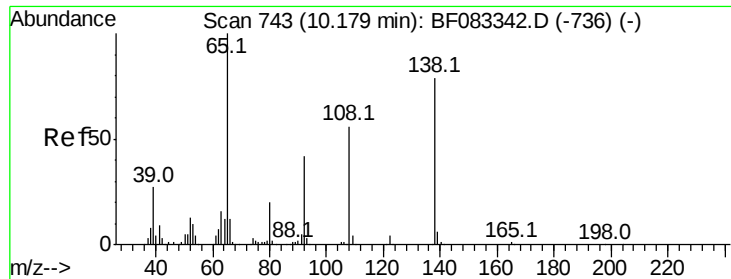
Mmdadoda
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#60
4-Chlorophenyl-phenylether
Concen: 36.60 ng
RT: 10.13 min Scan# 739
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	453725		
206	34.6		27.5	41.3
141	60.2		48.1	72.1





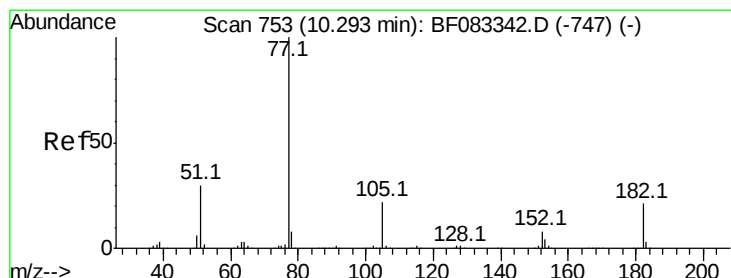
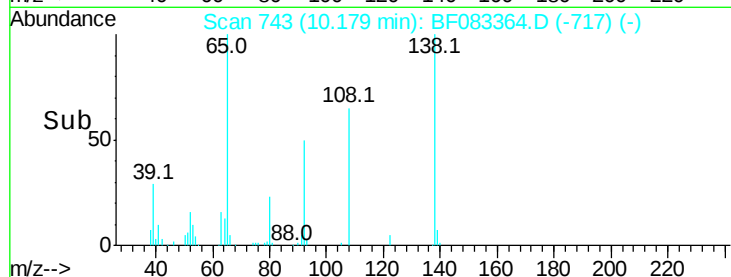
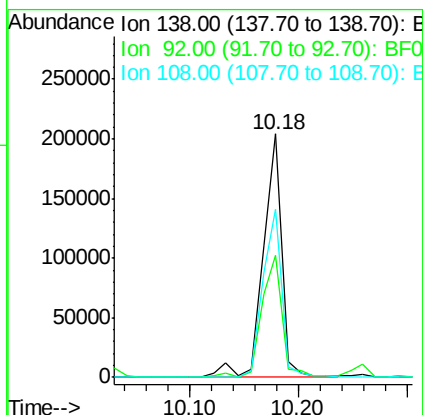
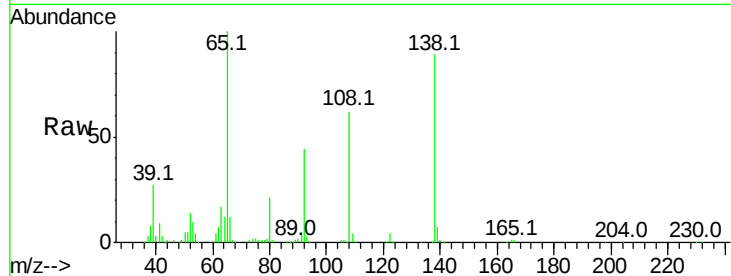
#61
4-Nitroaniline
Concen: 32.51 ng
RT: 10.18 min Scan# 743
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	246050		
92	49.9	33.6	73.6	
108	69.3	51.0	91.0	

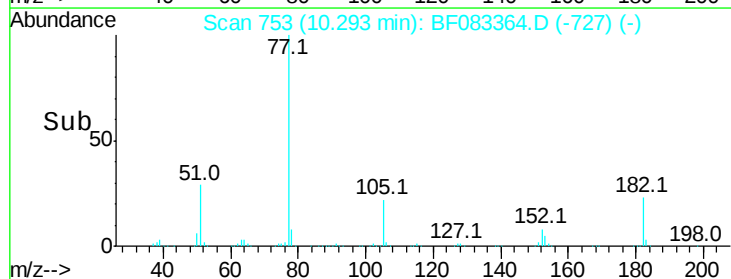
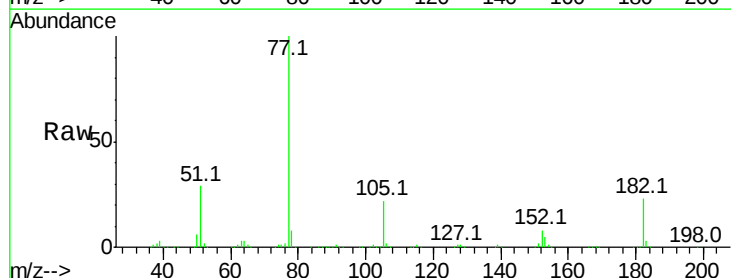
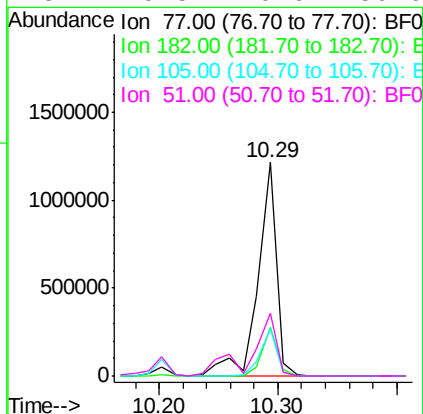
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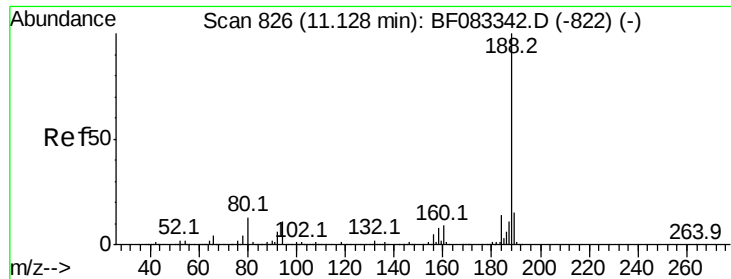
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#62
Azobenzene
Concen: 38.26 ng
RT: 10.29 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	1331353		
182	22.6	0.8	40.8	
105	22.4	2.3	42.3	
51	29.5	10.6	50.6	





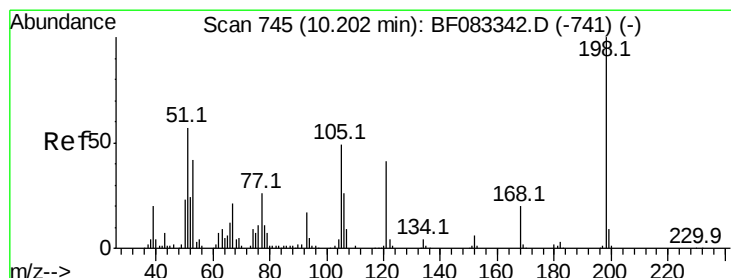
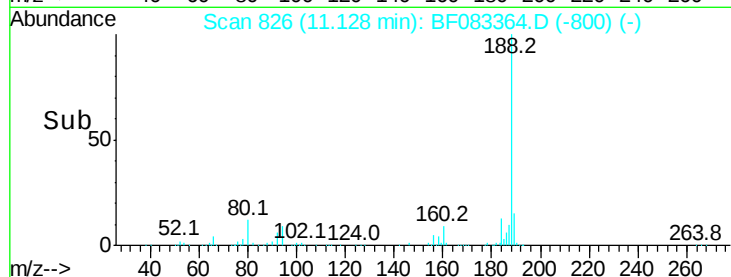
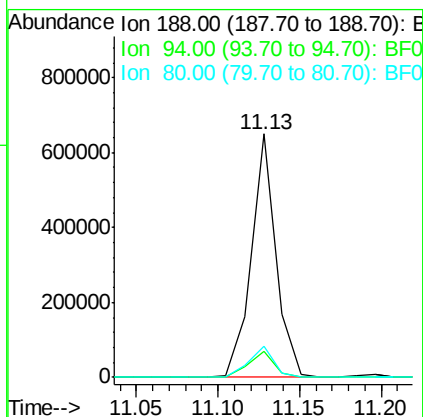
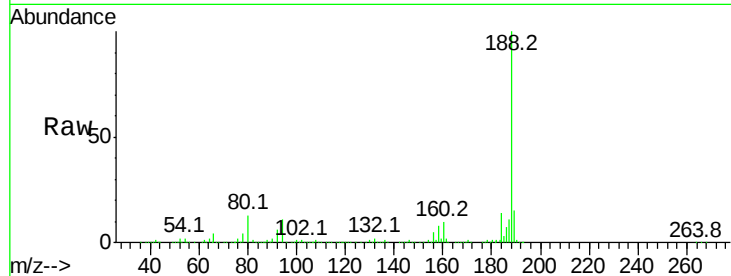
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	683341		
94	10.7	8.7	13.1	
80	12.7	10.3	15.5	

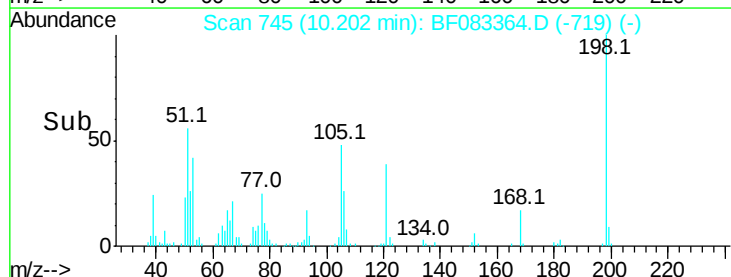
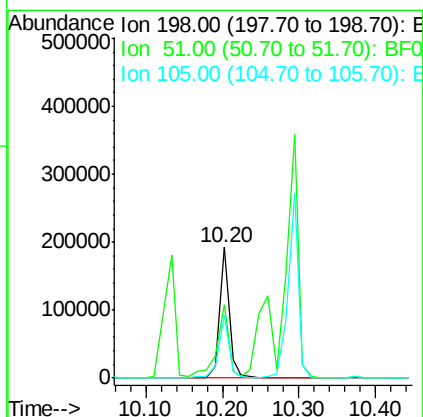
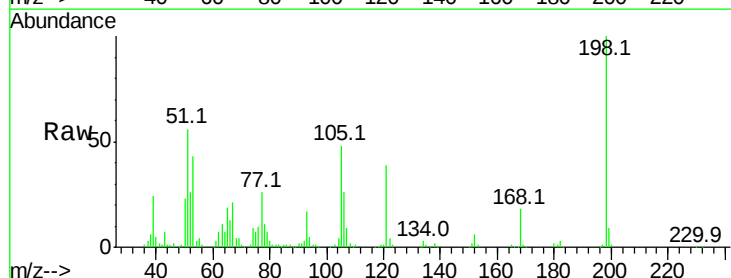
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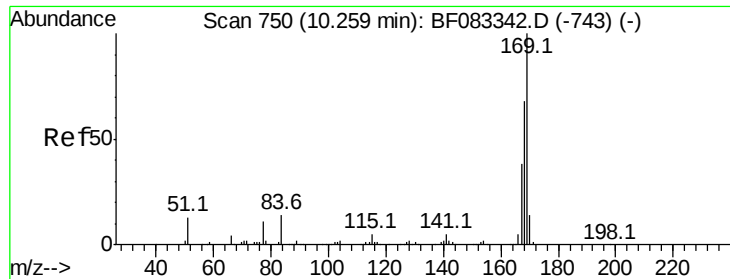
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12/1/2015 6:35:15 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 37.48 ng
RT: 10.20 min Scan# 745
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	171983		
51	56.2	38.3	78.3	
105	48.2	29.2	69.2	





#65

n-Nitrosodiphenylamine

Concen: 37.49 ng

RT: 10.26 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Instrument :

BNA_F

ClientSampleId :

PB86921BSD

Tot Ion:169 Resp: 900285

Ion Ratio Lower Upper

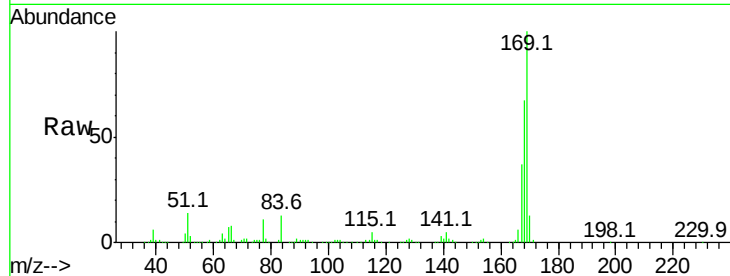
169 100

168 67.0 54.8 82.2

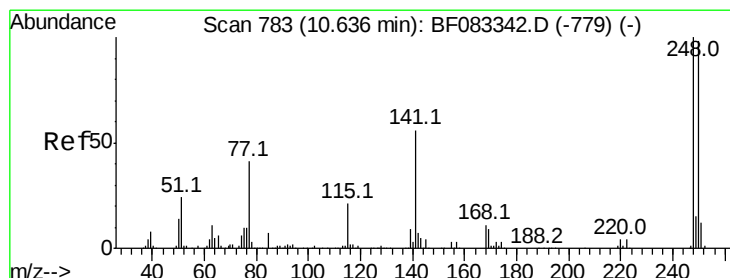
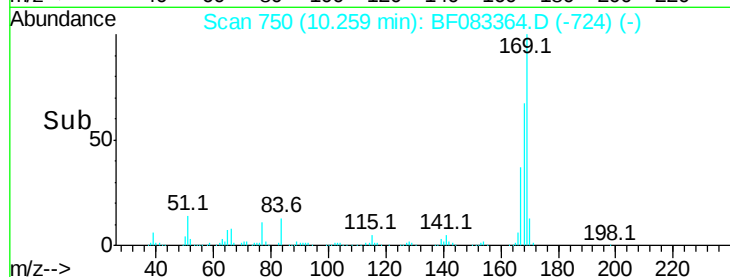
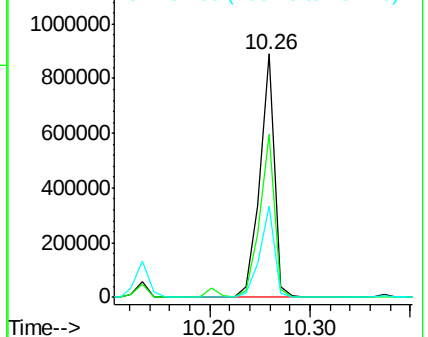
167 37.3 30.2 45.2

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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 38.80 ng

RT: 10.64 min Scan# 783

Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

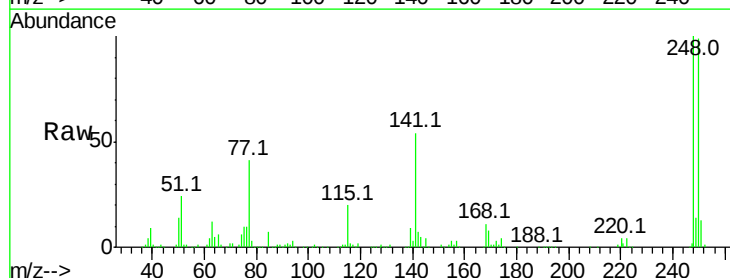
Tgt Ion:248 Resp: 290038

Ion Ratio Lower Upper

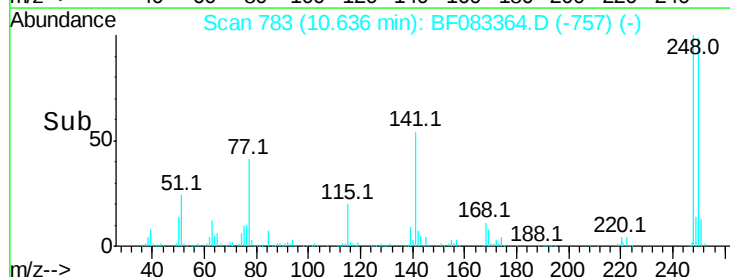
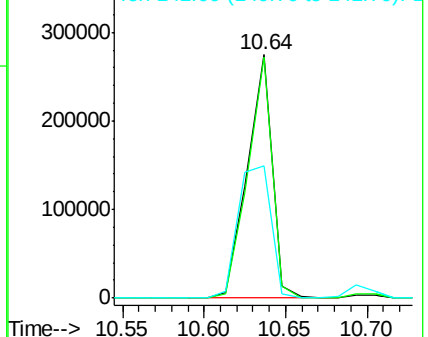
248 100

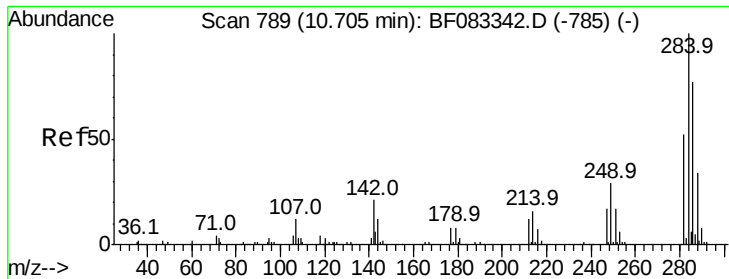
250 99.1 78.6 118.0

141 54.1 44.4 66.6



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 38.24 ng

RT: 10.70 min Scan# 789

Delta R.T. 0.00 min

Lab File: BF083364.D

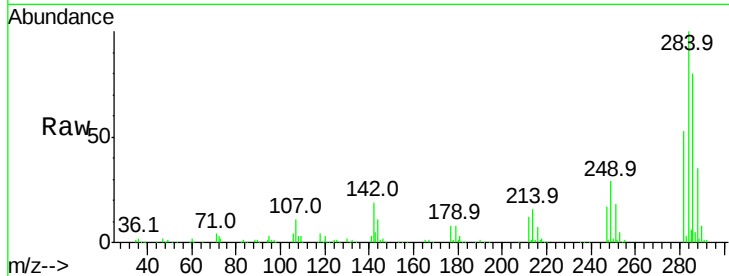
Acq: 1 Dec 2015 6:16

Instrument :

BNA_F

ClientSampleId :

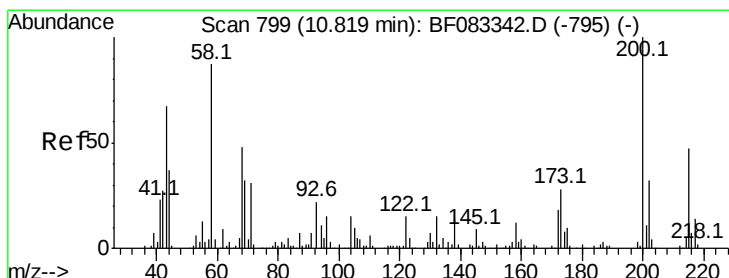
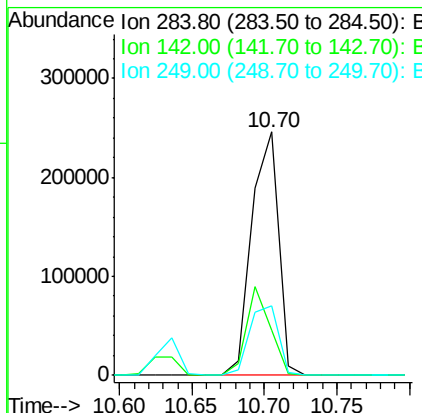
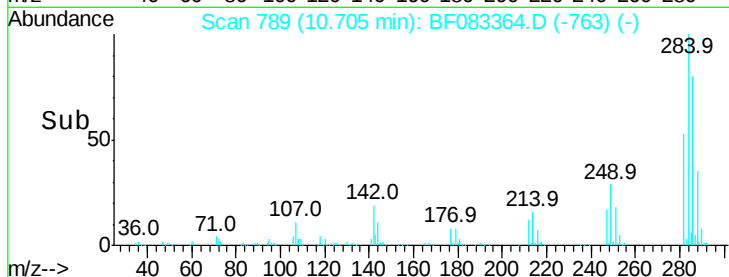
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Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	18.5	16.6	24.8	
249	28.6	23.0	34.4	

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#68

Atrazine

Concen: 44.32 ng

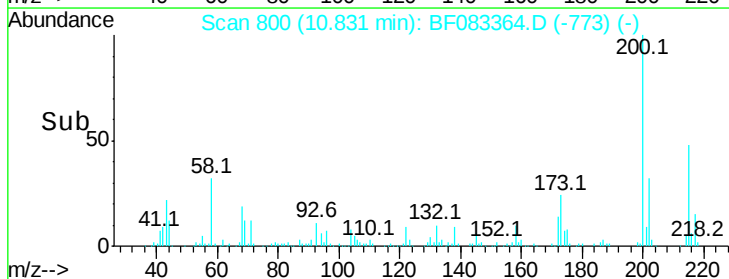
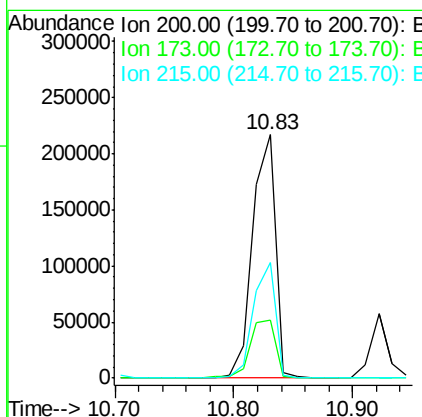
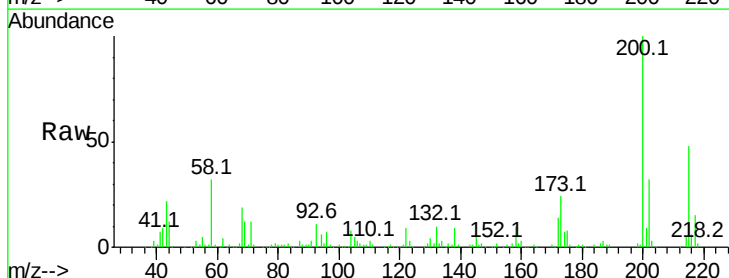
RT: 10.83 min Scan# 800

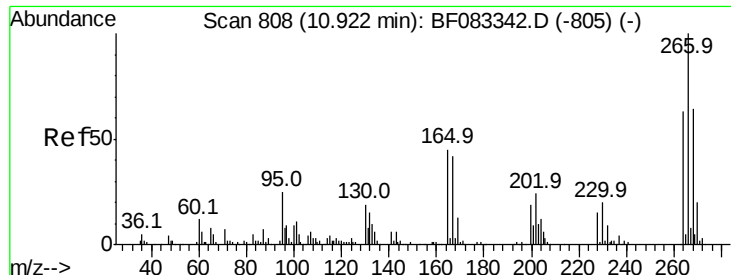
Delta R.T. 0.01 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	23.6	8.3	48.3	
215	47.6	26.7	66.7	





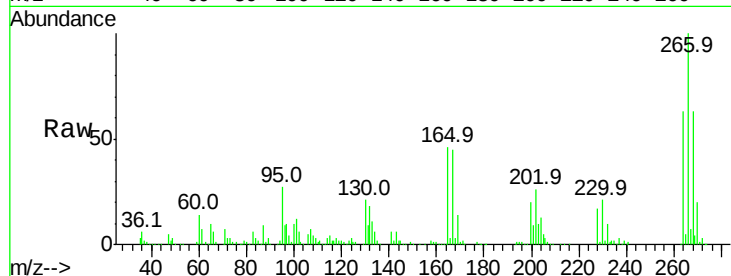
#69
 Pentachlorophenol
 Concen: 74.38 ng
 RT: 10.92 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Instrument :
 BNA_F
 ClientSampleId :
 PB86921BSD

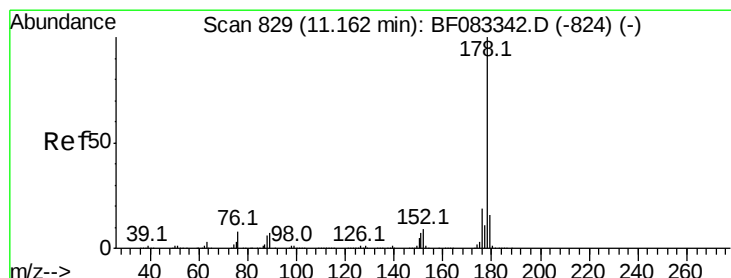
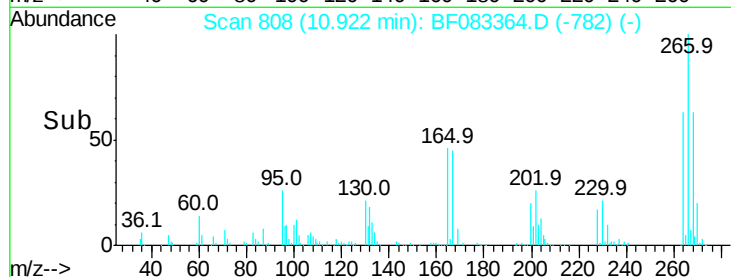
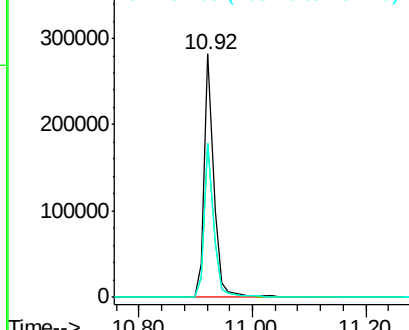
Tot Ion	Ratio	Resp	Lower	Upper
266	100	322038		
268	63.1	51.5	77.3	
264	63.0	50.4	75.6	

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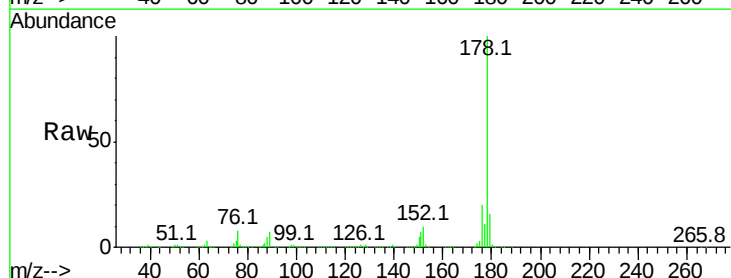


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

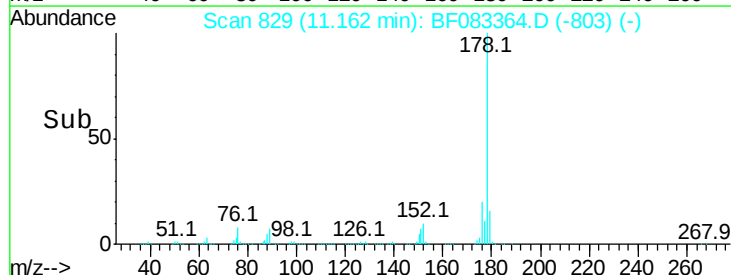
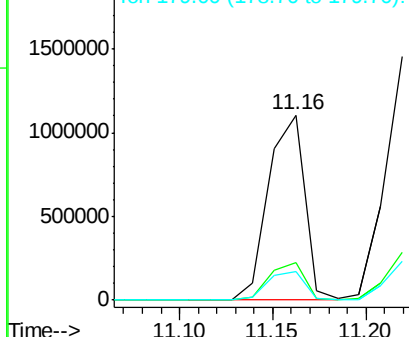


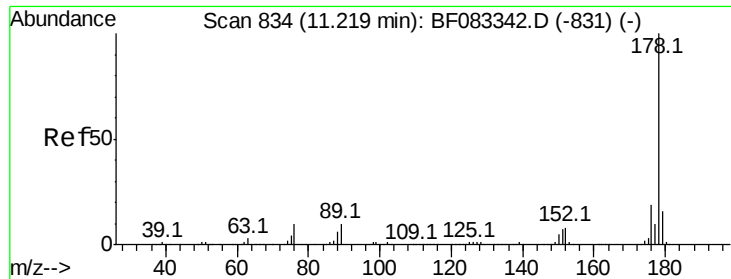
#70
 Phenanthrene
 Concen: 36.91 ng
 RT: 11.16 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1492476		
176	20.0	15.3	22.9	
179	15.6	12.4	18.6	



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





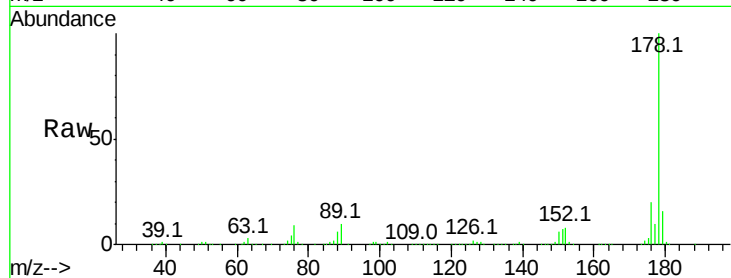
#71
 Anthracene
 Concen: 37.50 ng
 RT: 11.22 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Instrument :
 BNA_F
 ClientSampleId :
 PB86921BSD

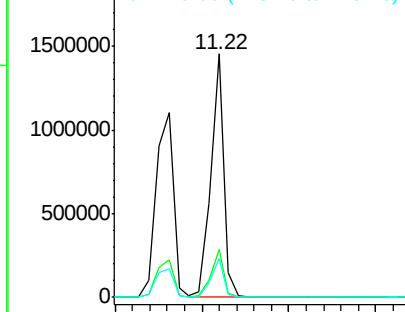
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	15.9	12.8	19.2

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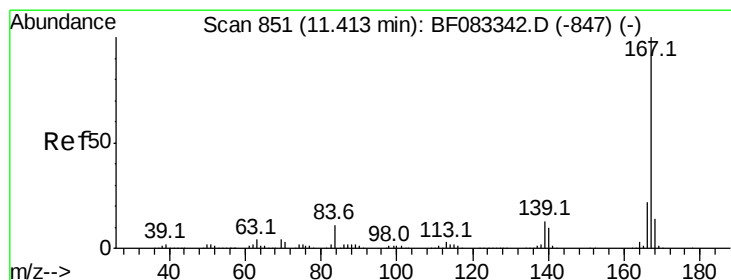
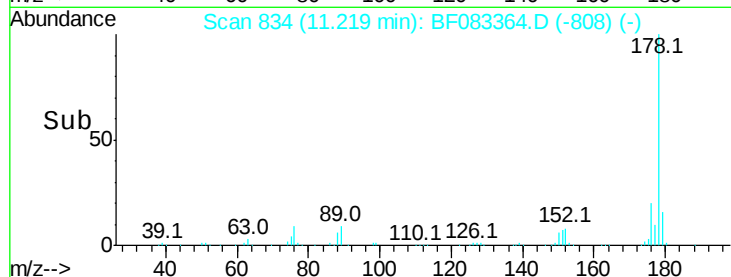
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Abundance Ion 178.00 (177.70 to 178.70): E
 2000000
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

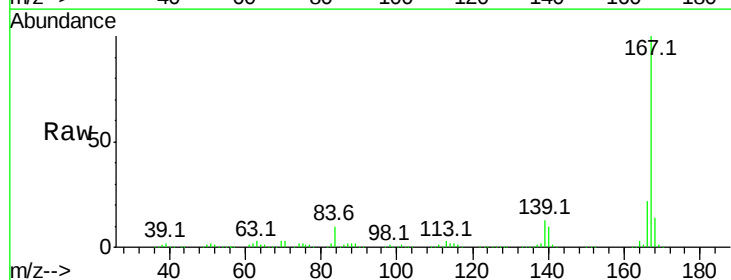


Time--> 11.10 11.20 11.30 11.40

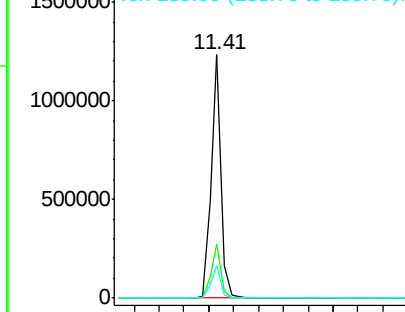


#72
 Carbazole
 Concen: 36.36 ng
 RT: 11.41 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

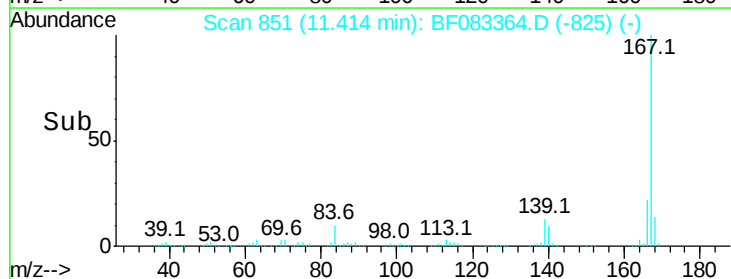
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.4	26.0
139	13.1	10.5	15.7

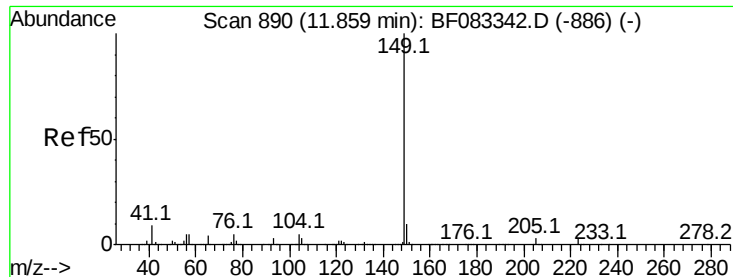


Abundance Ion 167.00 (166.70 to 167.70): E
 1500000
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E



Time--> 11.40 11.60





#73

Di-n-butylphthalate

Concen: 37.99 ng

RT: 11.86 min Scan# 890

Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Instrument :

BNA_F

ClientSampleId :

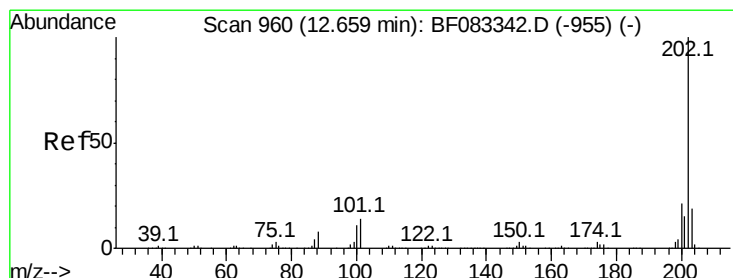
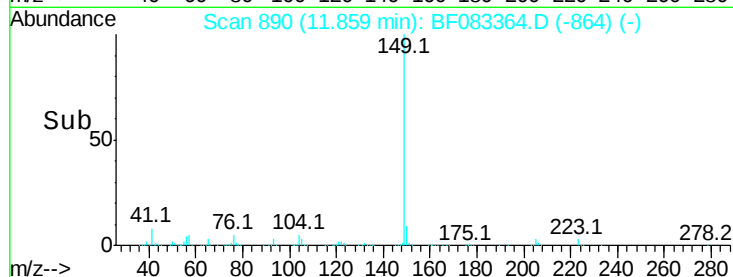
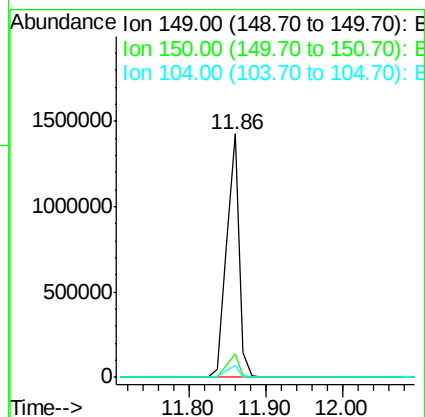
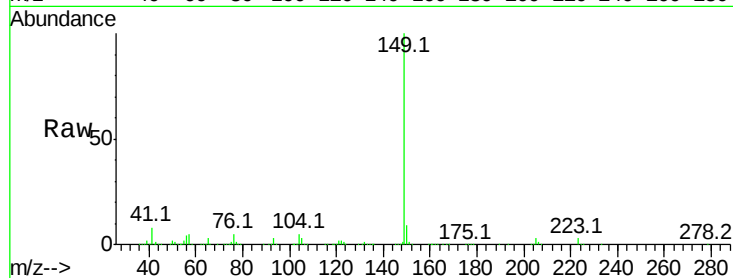
PB86921BSD

Tot Ion:149 Resp: 1646640

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.7	11.5
104	4.8	4.0	6.0

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#74

Fluoranthene

Concen: 34.95 ng

RT: 12.66 min Scan# 960

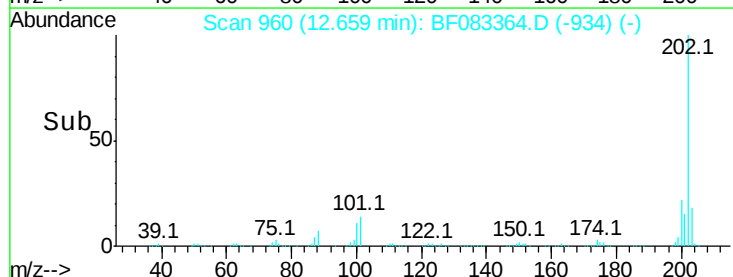
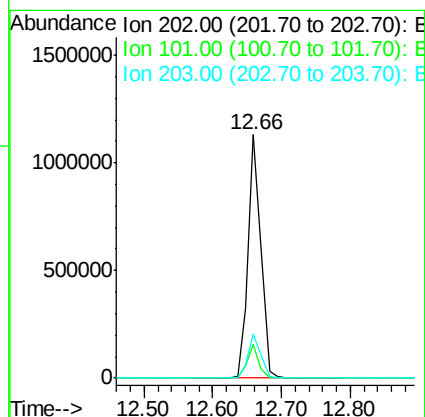
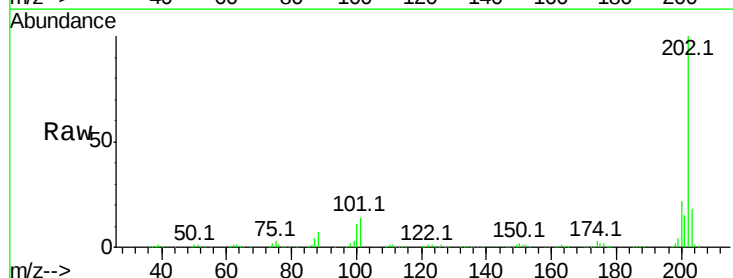
Delta R.T. 0.00 min

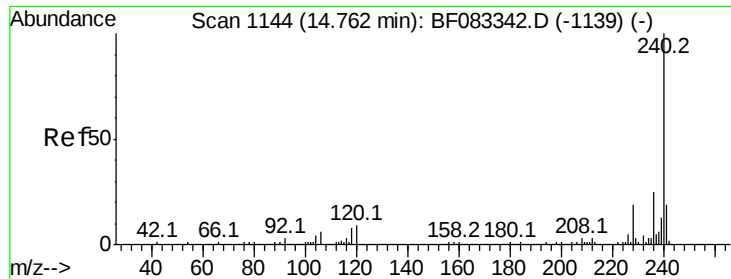
Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Tgt Ion:202 Resp: 1464900

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.5
203	18.2	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.75 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Instrument :

BNA_F

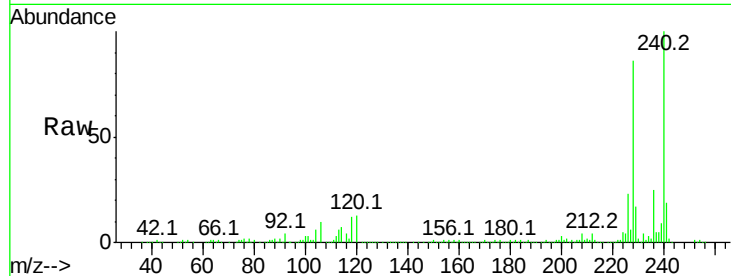
ClientSampleId :

PB86921BSD

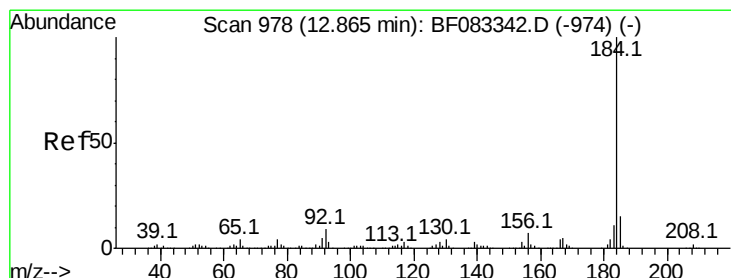
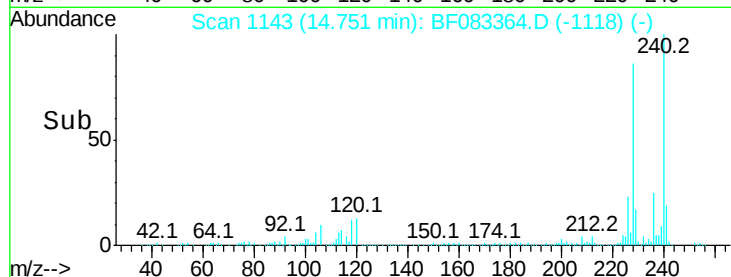
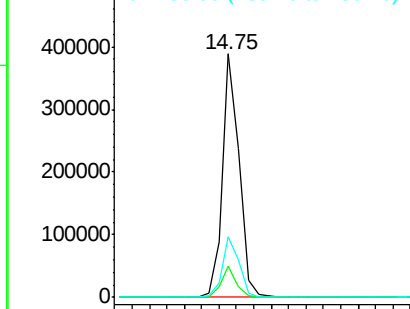
Tot Ion:	240	Resp:	519596
Ion Ratio	Lower	Upper	
240	100		
120	12.8	6.9	10.3#
236	25.1	19.8	29.6

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



#76

Benzidine

Concen: 27.39 ng

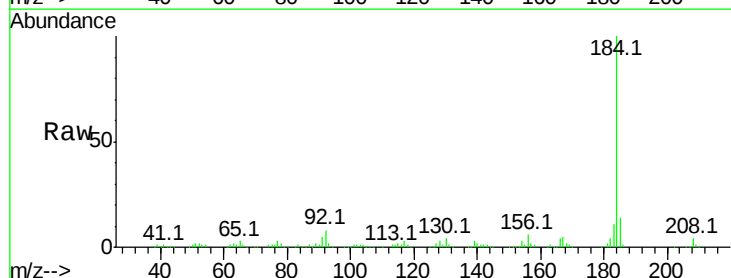
RT: 12.87 min Scan# 978

Delta R.T. 0.00 min

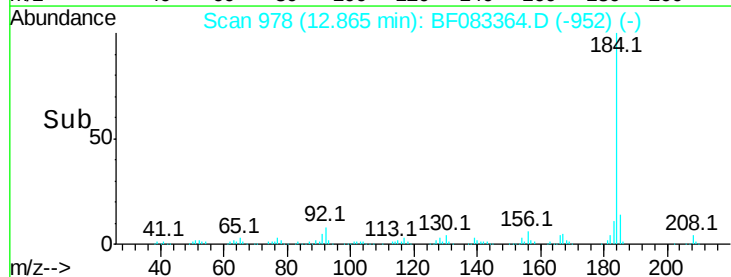
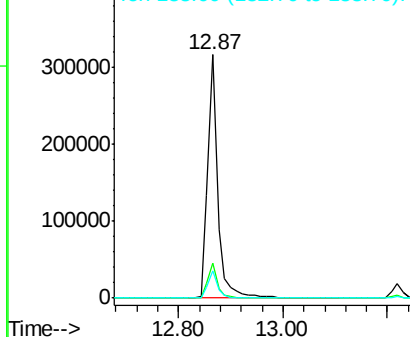
Lab File: BF083364.D

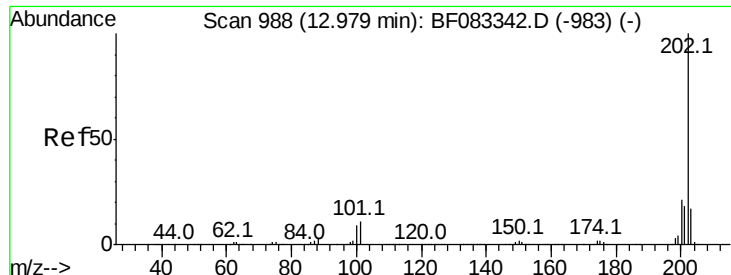
Acq: 1 Dec 2015 6:16

Tgt Ion:	184	Resp:	423879
Ion Ratio	Lower	Upper	
184	100		
185	14.3	12.4	18.6
183	11.0	9.0	13.4



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





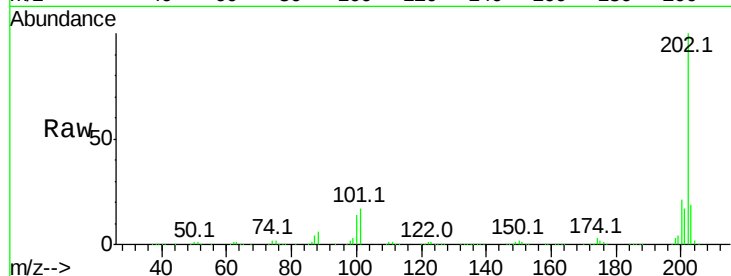
#77
Pvrene
Concen: 41.65 ng
RT: 12.97 min Scan# 987
Delta R.T. -0.01 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

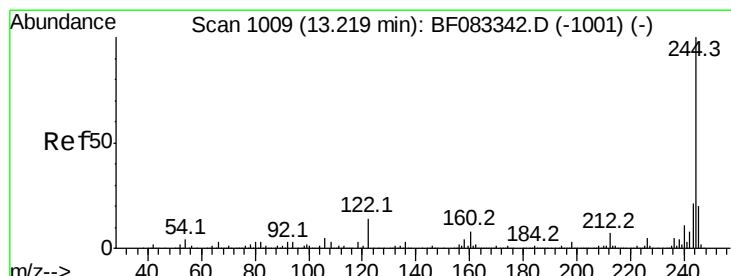
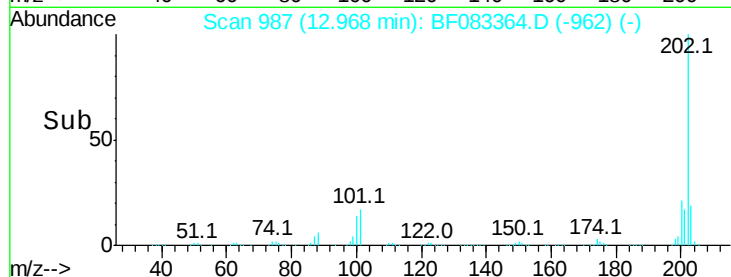
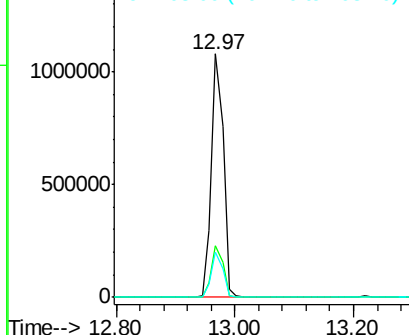
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.9	25.3
203	18.7	13.9	20.9

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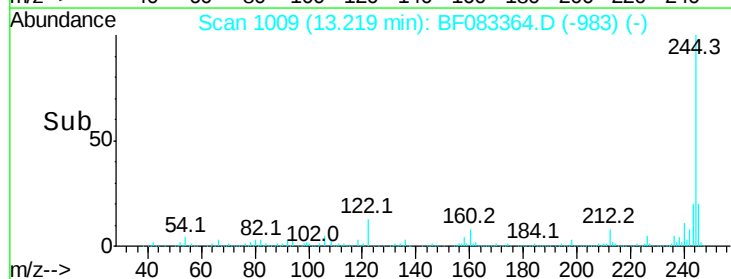
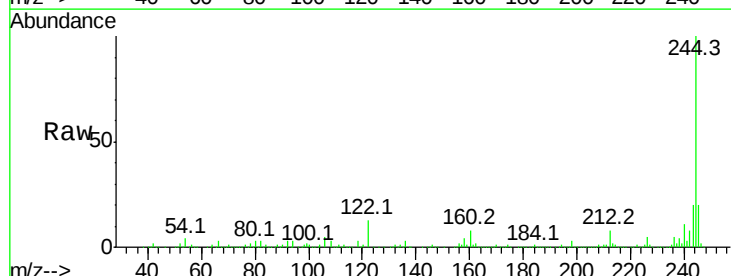
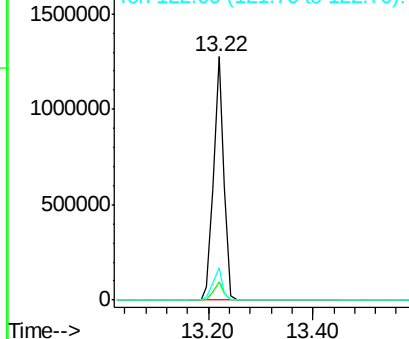
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

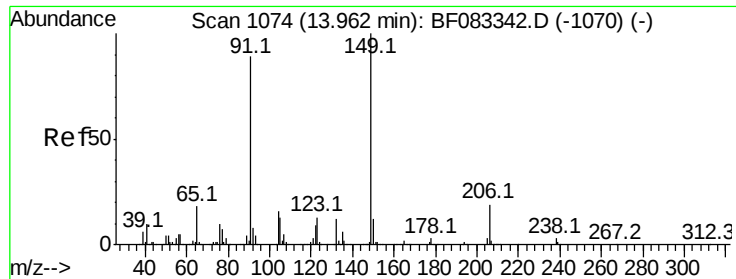


#78
Terphenyl-d14
Concen: 80.40 ng
RT: 13.22 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	13.5	11.0	16.4

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





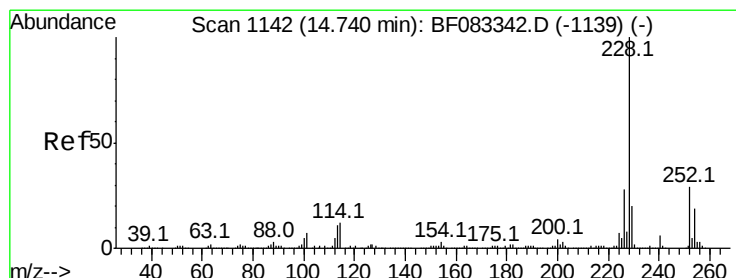
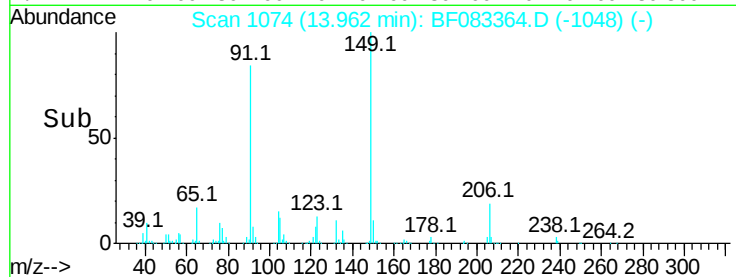
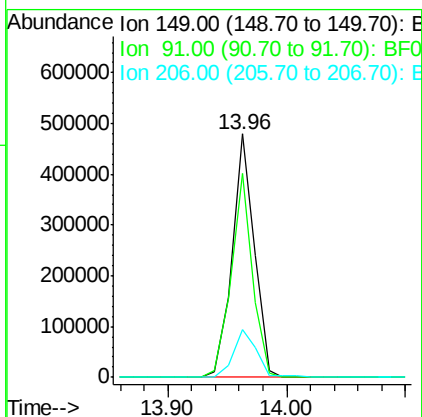
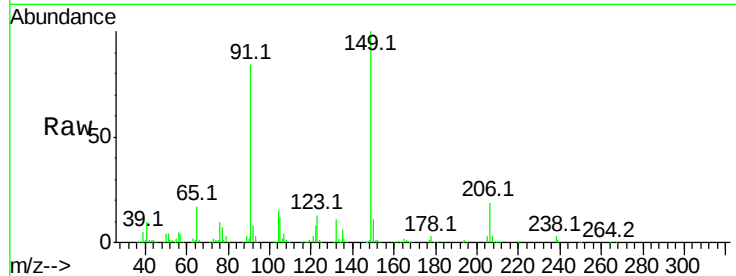
#79
Butylbenzylphthalate
Concen: 40.17 ng
RT: 13.96 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	618410		
91	84.0	71.4	107.2	
206	19.4	15.1	22.7	

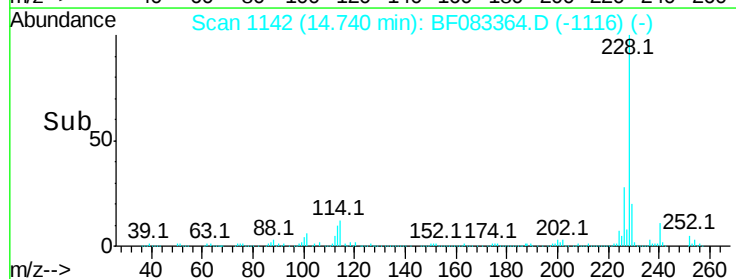
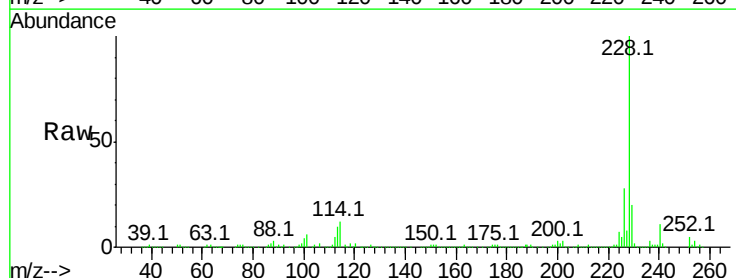
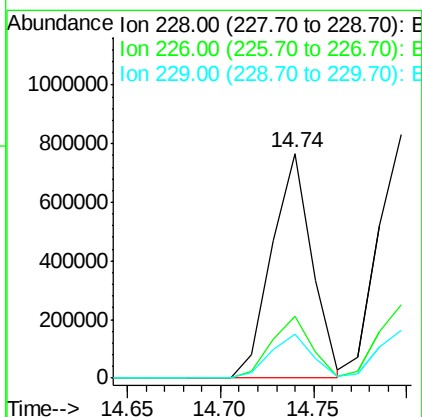
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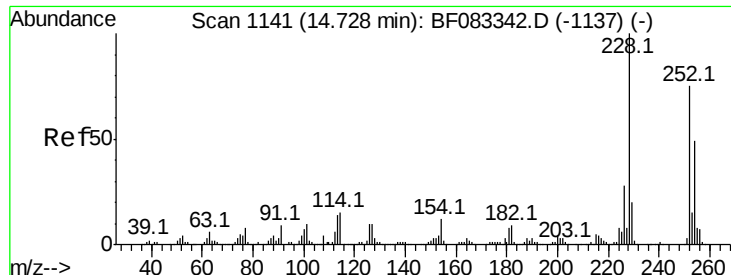
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#80
Benzo(a)anthracene
Concen: 36.17 ng
RT: 14.74 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1151499		
226	27.7	22.2	33.4	
229	19.5	16.1	24.1	





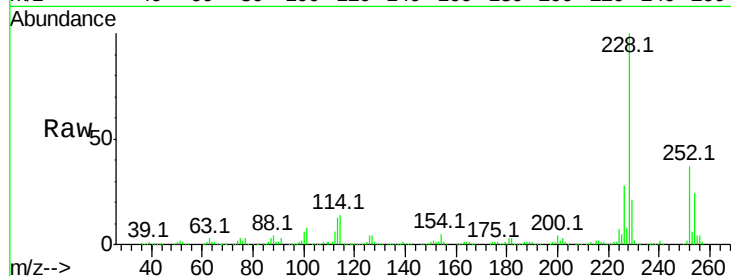
#81
 3,3'-Dichlorobenzidine
 Concen: 22.16 ng
 RT: 14.73 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Instrument :
 BNA_F
 ClientSampleId :
 PB86921BSD

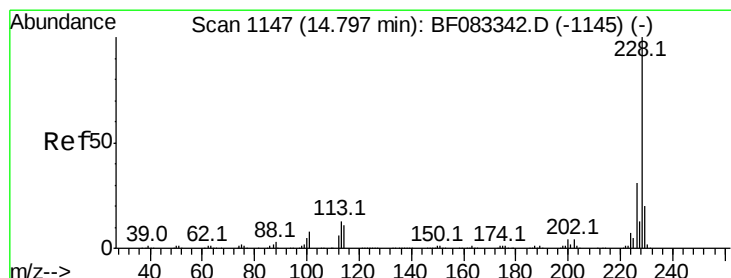
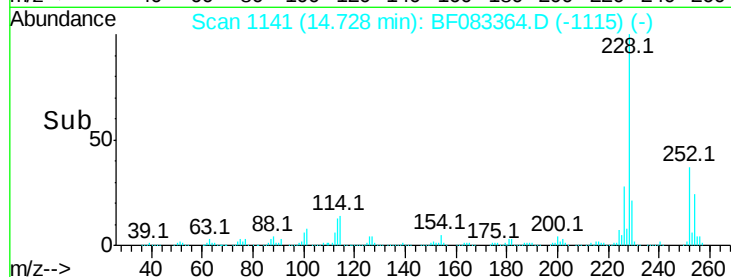
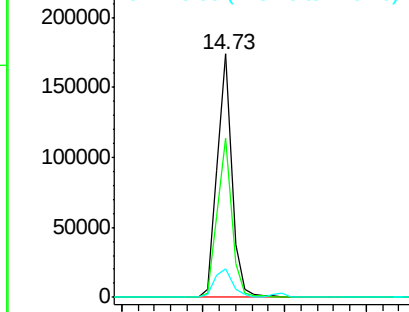
Tot Ion	Ratio	Resp	Lower	Upper
252	100	220301		
254	65.3	52.0	78.0	
126	11.8	10.7	16.1	

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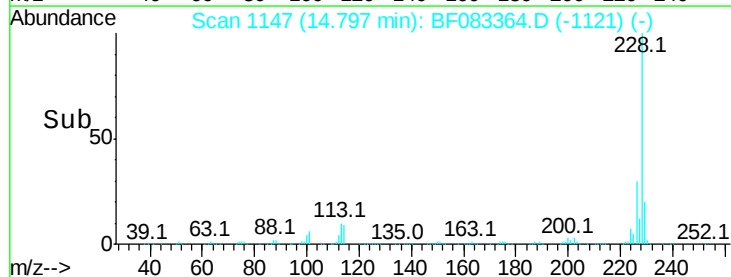
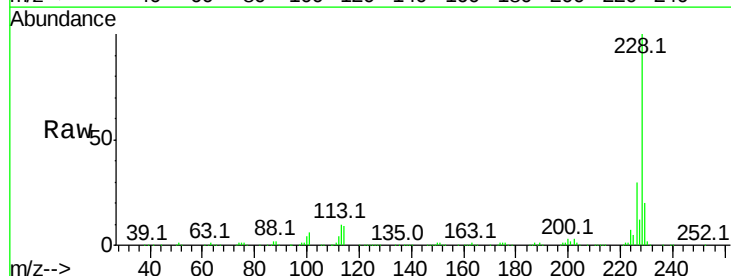
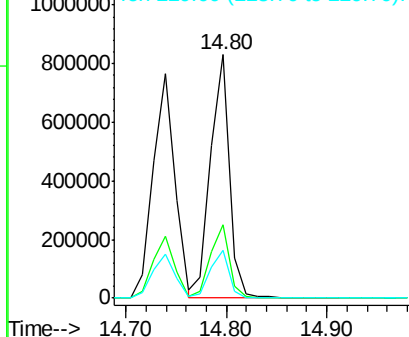
Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

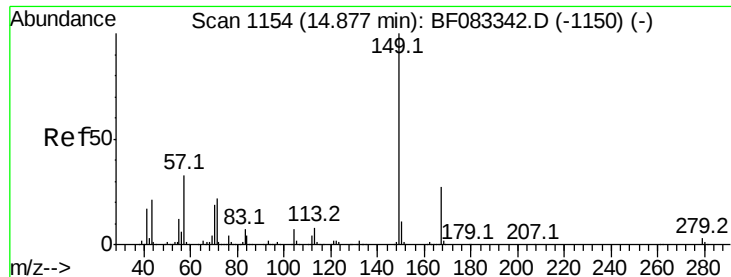


#82
 Chrysene
 Concen: 35.38 ng
 RT: 14.80 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1088142		
226	30.1	24.6	37.0	
229	19.8	16.2	24.2	

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 39.65 ng

RT: 14.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Instrument :

BNA_F

ClientSampleId :

PB86921BSD

Tot Ion:149 Resp: 818671

Ion Ratio Lower Upper

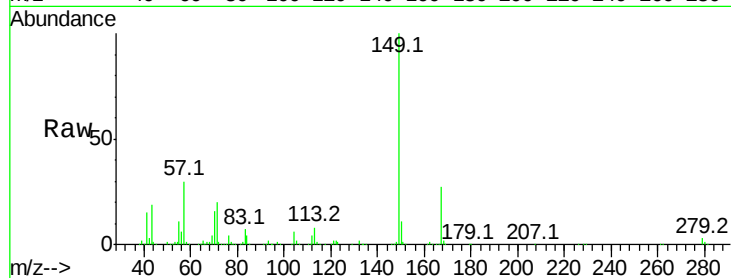
149 100

167 26.8 21.5 32.3

279 3.3 2.6 3.8

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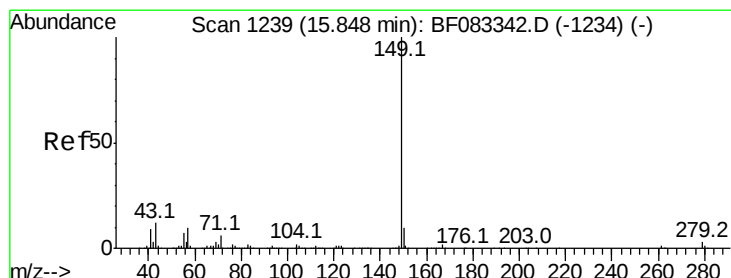
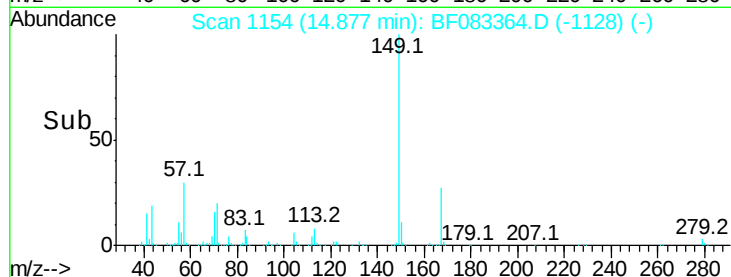
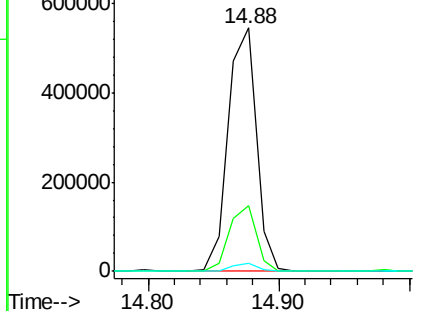
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 37.85 ng

RT: 15.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

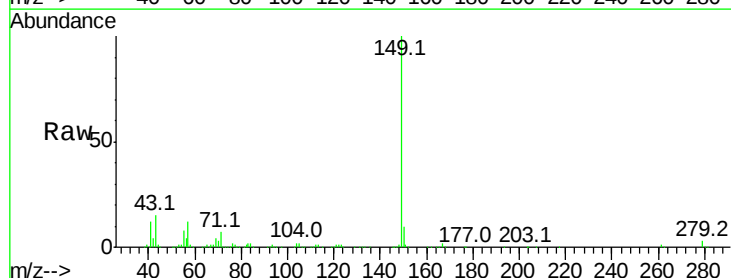
Tgt Ion:149 Resp: 1163764

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

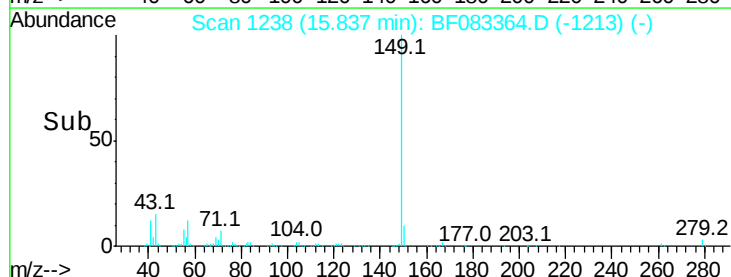
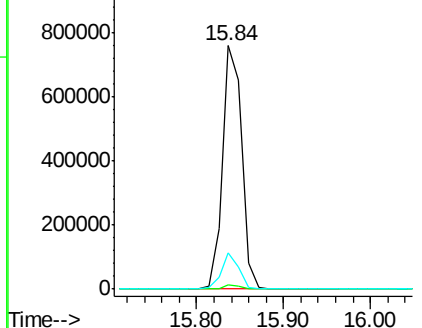
43 13.8 11.0 16.6

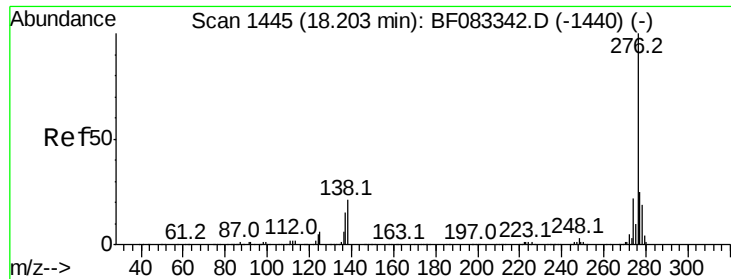


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 43.73 ng

RT: 18.20 min Scan# 1445

Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Instrument :

BNA_F

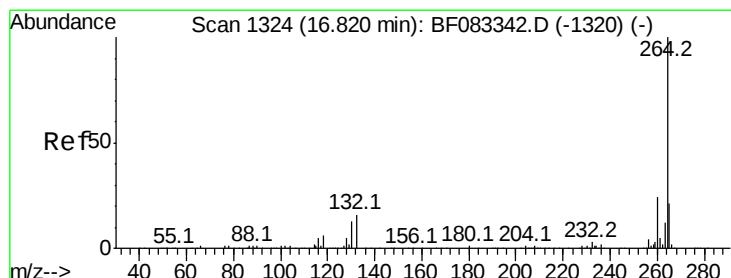
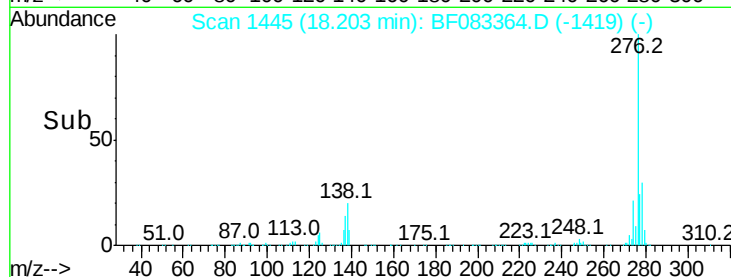
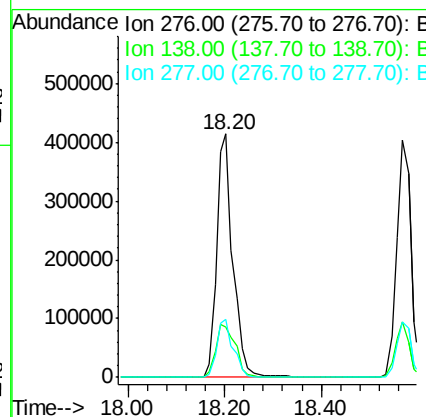
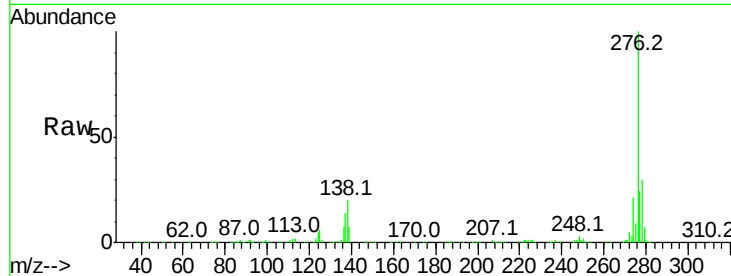
ClientSampleId :

PB86921BSD

Tot Ion:	276	Resp:	979640
Ion Ratio	Lower	Upper	
276	100		
138	26.3	21.2	31.8
277	24.7	20.0	30.0

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#86

Perylene-d12

Concen: 20.00 ng

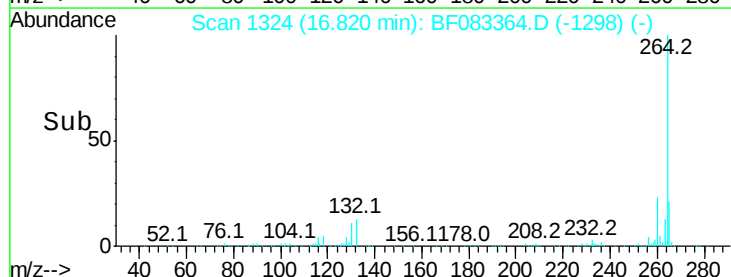
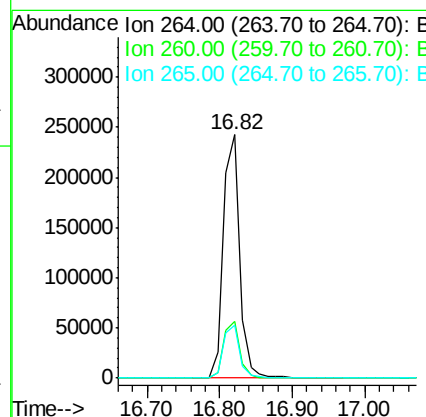
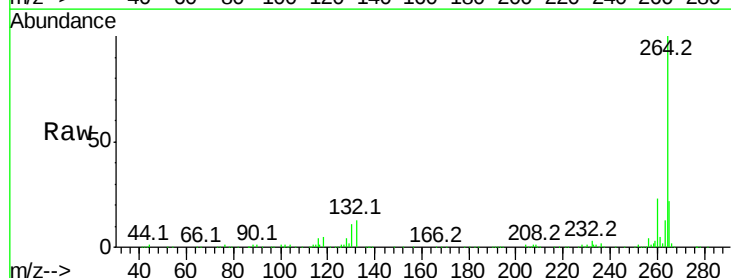
RT: 16.82 min Scan# 1324

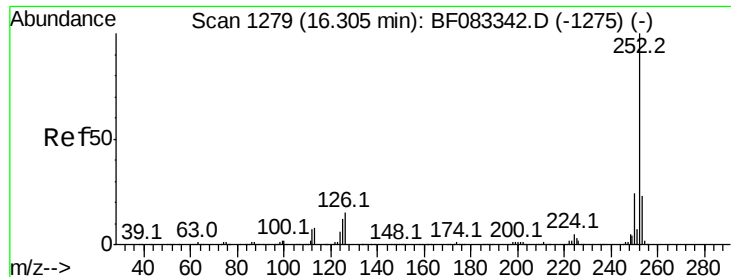
Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Tgt Ion:	264	Resp:	380816
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.0	28.4
265	21.5	16.8	25.2





#87

Benzo(b)fluoranthene

Concen: 39.26 ng

RT: 16.31 min Scan# 1279

Delta R.T. 0.00 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Instrument :

BNA_F

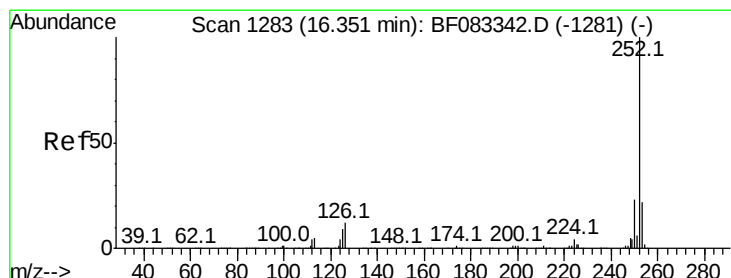
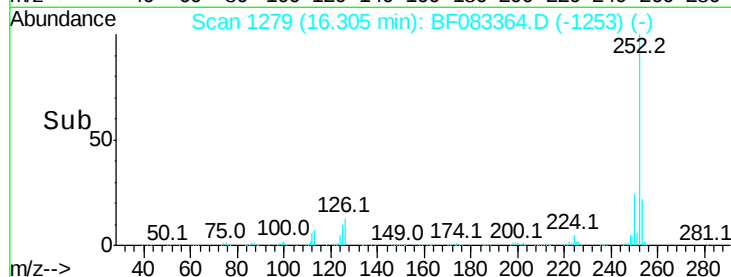
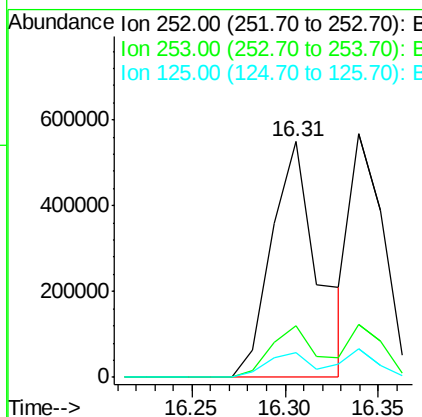
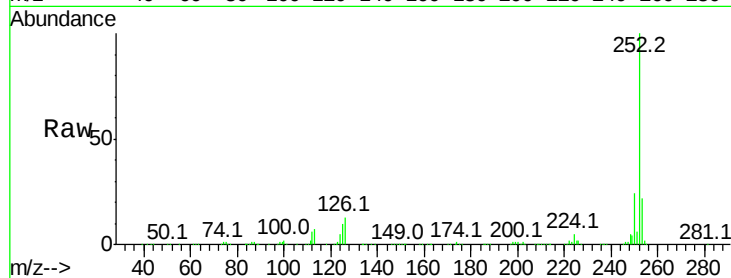
ClientSampleId :

PB86921BSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	959339		
253	22.0		18.4	27.6
125	10.4		9.6	14.4

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#88

Benzo(k)fluoranthene

Concen: 31.36 ng m

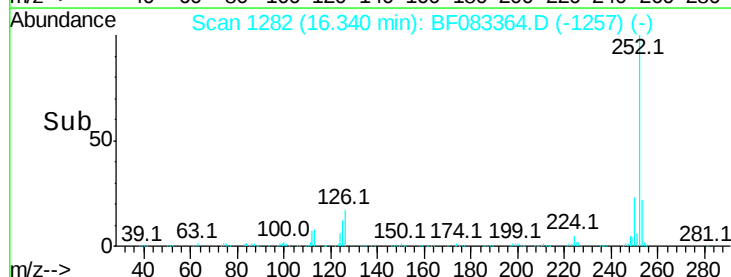
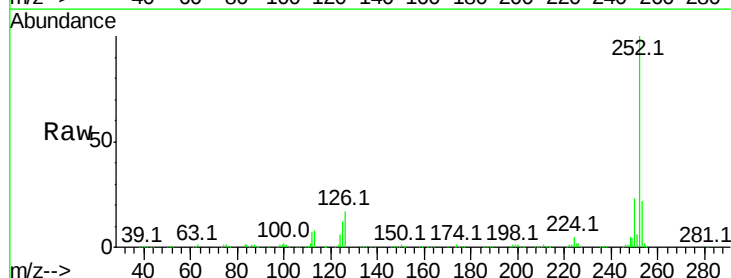
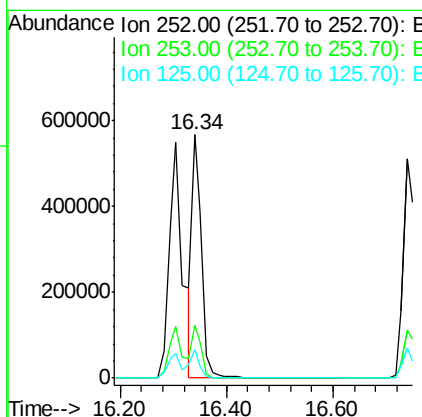
RT: 16.34 min Scan# 1282

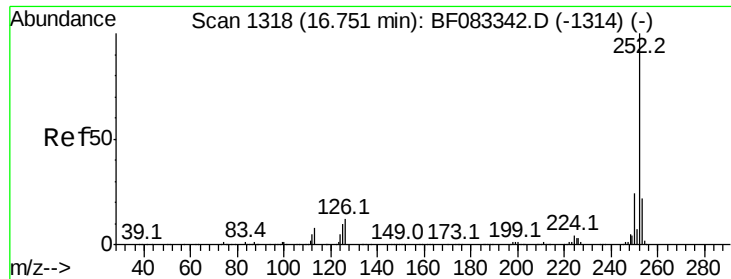
Delta R.T. -0.01 min

Lab File: BF083364.D

Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	723493		
253	21.9		17.4	26.0
125	12.0		7.5	11.3#





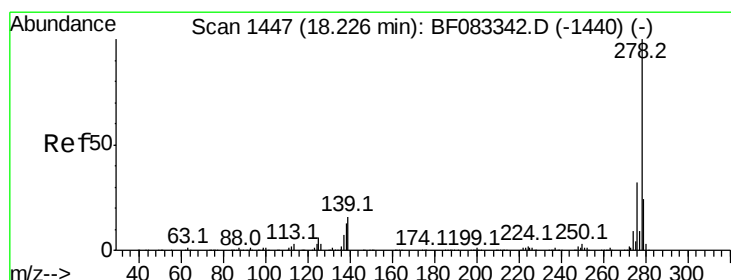
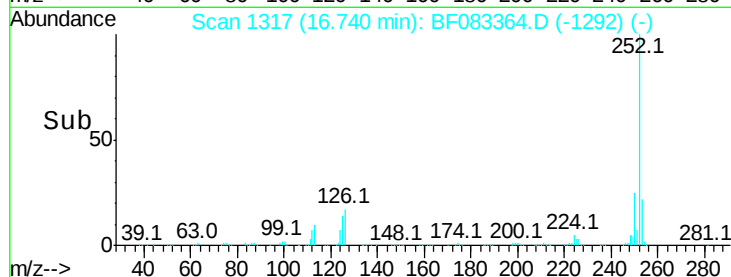
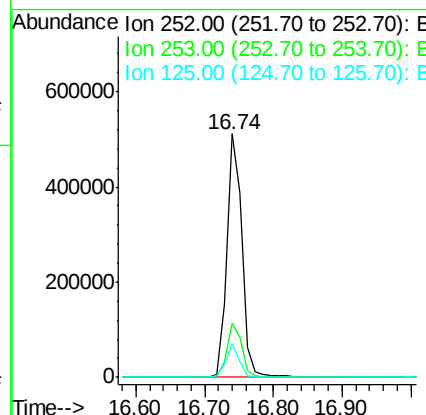
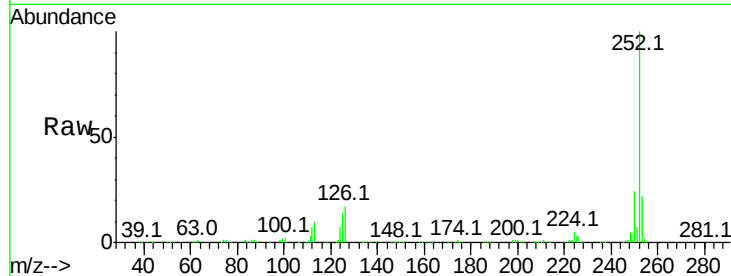
#89
Benzo(a)pyrene
Concen: 38.00 ng
RT: 16.74 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Instrument :
BNA_F
ClientSampleId :
PB86921BSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.0	17.5	26.3
125	13.9	7.8	11.8

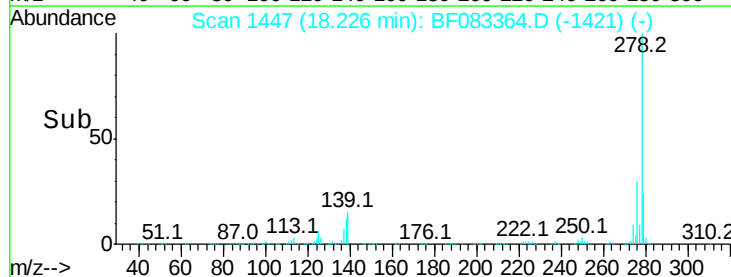
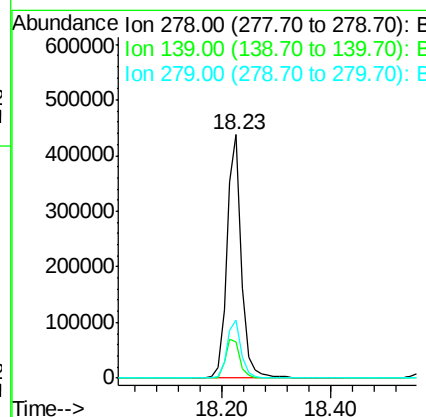
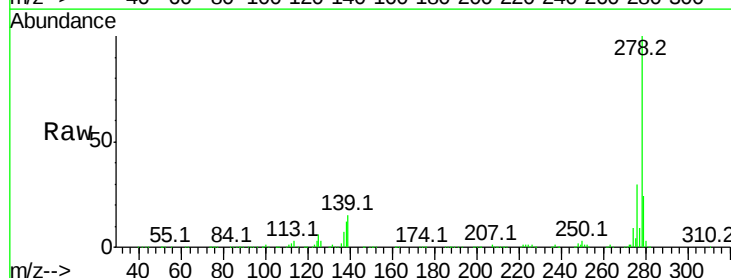
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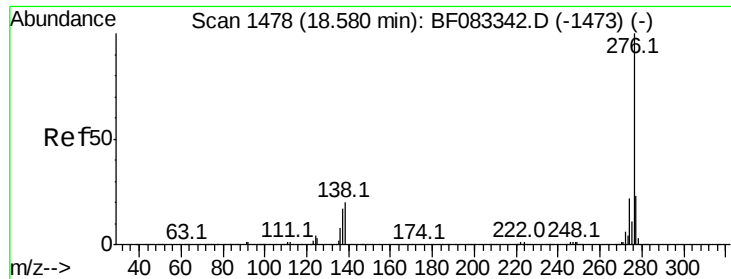
Mmdadoda
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#90
Dibenzo(a,h)anthracene
Concen: 44.49 ng
RT: 18.23 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BF083364.D
Acq: 1 Dec 2015 6:16

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	14.8	13.1	19.7
279	23.9	19.2	28.8





#91
 Benzo(a,h,i)perylene
 Concen: 46.61 ng
 RT: 18.57 min Scan# 1477
 Delta R.T. -0.01 min
 Lab File: BF083364.D
 Acq: 1 Dec 2015 6:16

Instrument :
 BNA_F
 ClientSampleId :
 PB86921BSD

Tot Ion:	276	Resp:	836602
Ion Ratio	Lower	Upper	
276	100		
277	23.5	18.6	28.0
138	23.7	16.1	24.1

Manual Integrations
 APPROVED

Mmdadoda
 12/1/2015 6:35:15 PM

