

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
 Data File : BF090987.D
 Acq On : 2 Nov 2016 18:40
 Operator : UM/SJ
 Sample : H5509-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

Manual Integrations
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Umangi
 11/3/2016 7:12:50 PM

Quant Time: Nov 03 12:36:20 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	173979	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	726748	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	413372	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	639341	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	466938	20.00	ng	-0.02
86) Perylene-d12	15.28	264	323018	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	1693895	170.23	ng	0.00
7) Phenol-d6	6.38	99	2025534	150.88	ng	-0.01
23) Nitrobenzene-d5	7.30	82	1374737	123.83	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	681882	160.51	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	2256633	95.86	ng	-0.02
78) Terphenyl-d14	12.84	244	2443927	131.86	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.30	88	165881	32.61	ng	# 67
3) Pyridine	2.98	79	601202	43.56	ng	# 72
4) n-Nitrosodimethylamine	2.94	42	253268	65.19	ng	# 63
6) Aniline	6.41	93	395811m	25.81	ng	
8) 2-Chlorophenol	6.51	128	627098	51.09	ng	84
9) Benzaldehyde	6.27	77	82370	11.88	ng	# 79
10) Phenol	6.40	94	828902	56.03	ng	# 66
11) bis(2-Chloroethyl)ether	6.46	93	900875m	73.60	ng	
12) 1,3-Dichlorobenzene	6.66	146	613874	48.89	ng	# 91
13) 1,4-Dichlorobenzene	6.74	146	678456	51.38	ng	# 90
14) 1,2-Dichlorobenzene	6.90	146	636132	50.26	ng	96
15) Benzyl Alcohol	6.88	79	532174	60.36	ng	# 76
16) 2,2'-oxybis(1-Chloropropan	7.01	45	745221	61.18	ng	59
17) 2-Methylphenol	7.00	107	534595	57.25	ng	# 79
18) Hexachloroethane	7.23	117	241207	50.19	ng	90
19) n-Nitroso-di-n-propylamine	7.15	70	443679	57.16	ng	# 72
20) 3+4-Methylphenols	7.16	107	665325	61.54	ng	90
22) Acetophenone	7.14	105	851781	56.97	ng	# 83
24) Nitrobenzene	7.31	77	680952	57.99	ng	# 66
25) Isophorone	7.56	82	1303672	57.87	ng	# 92
26) 2-Nitrophenol	7.63	139	345915	54.99	ng	# 63
27) 2,4-Dimethylphenol	7.69	122	608443	59.74	ng	85
28) bis(2-Chloroethoxy)methane	7.77	93	784560	61.23	ng	# 93
29) 2,4-Dichlorophenol	7.88	162	557941	59.17	ng	97
30) 1,2,4-Trichlorobenzene	7.96	180	571492	52.44	ng	99
31) Naphthalene	8.03	128	1723804	50.74	ng	97
32) Benzoic acid	7.78	122	41278	5.58	ng	# 75
33) 4-Chloroaniline	8.11	127	492844	35.91	ng	# 89
34) Hexachlorobutadiene	8.16	225	334003	52.12	ng	99
35) Caprolactam	8.48	113	193154m	65.99	ng	
36) 4-Chloro-3-methylphenol	8.59	107	660819	64.43	ng	# 82
37) 2-Methylnaphthalene	8.73	142	1249697	56.96	ng	# 89
39) 1,2,4,5-Tetrachlorobenzene	8.90	216	621207	54.78	ng	99
40) Hexachlorocyclopentadiene	8.89	237	544988	104.46	ng	97

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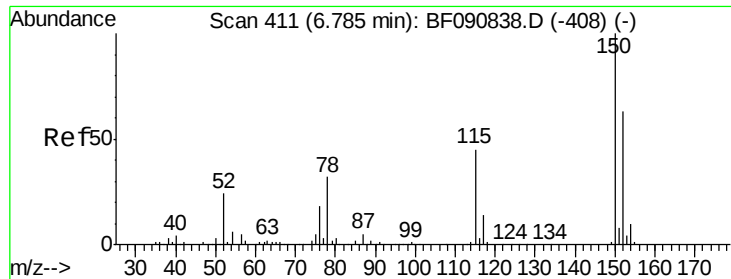
Manual Integrations
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Quant Time: Nov 03 12:36:20 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.01	196	404159	55.20	ng	99
43) 2,4,5-Trichlorophenol	9.06	196	389550	51.66	ng #	85
45) 1,1'-Biphenyl	9.20	154	1599742	53.73	ng	92
46) 2-Chloronaphthalene	9.22	162	1292422	57.06	ng #	91
47) 2-Nitroaniline	9.32	65	482062	75.43	ng #	76
48) Acenaphthylene	9.63	152	1768990	51.58	ng	95
49) Dimethylphthalate	9.50	163	2270809	82.22	ng #	96
50) 2,6-Dinitrotoluene	9.56	165	305750	50.13	ng #	33
51) Acenaphthene	9.80	154	1043280	44.17	ng	88
52) 3-Nitroaniline	9.73	138	263952	40.65	ng #	59
53) 2,4-Dinitrophenol	9.85	184	161002	50.14	ng #	80
54) Dibenzofuran	9.97	168	1484310	48.70	ng #	84
55) 4-Nitrophenol	9.92	139	443809	112.07	ng #	47
56) 2,4-Dinitrotoluene	9.97	165	450427	59.45	ng #	85
57) Fluorene	10.32	166	1199434	48.04	ng	92
58) 2,3,4,6-Tetrachlorophenol	10.10	232	344212	51.12	ng	92
59) Diethylphthalate	10.20	149	1383175	50.42	ng	98
60) 4-Chlorophenyl-phenylether	10.32	204	601697	49.37	ng	89
61) 4-Nitroaniline	10.35	138	311284	48.40	ng #	43
62) Azobenzene	10.46	77	1679449	62.26	ng	83
64) 4,6-Dinitro-2-methylphenol	10.38	198	224059	52.86	ng #	73
65) n-Nitrosodiphenylamine	10.43	169	1094236	55.87	ng	89
66) 4-Bromophenyl-phenylether	10.80	248	349788	49.96	ng #	89
67) Hexachlorobenzene	10.86	284	427074	51.54	ng #	89
68) Atrazine	10.97	200	332236	54.84	ng	85
69) Pentachlorophenol	11.06	266	420425	94.58	ng	98
70) Phenanthrene	11.28	178	1843106m	56.61	ng	
71) Anthracene	11.32	178	1825324	53.24	ng	96
72) Carbazole	11.48	167	1512667	49.96	ng #	91
73) Di-n-butylphthalate	11.82	149	2165973	55.50	ng #	99
74) Fluoranthene	12.45	202	1724449	48.37	ng	97
76) Benzidine	12.59	184	645032	63.27	ng #	97
77) Pyrene	12.68	202	1615245m	54.66	ng	
79) Butylbenzylphthalate	13.31	149	836884	62.42	ng #	84
80) Benzo(a)anthracene	13.87	228	1408251	56.83	ng	96
81) 3,3'-Dichlorobenzidine	13.84	252	392094	40.76	ng	99
82) Chrysene	13.92	228	1363996	54.42	ng	94
83) Bis(2-ethylhexyl)phthalate	13.87	149	1144225	65.53	ng #	93
84) Di-n-octyl phthalate	14.49	149	1891700	64.52	ng #	93
85) Indeno(1,2,3-cd)pyrene	16.61	276	1144360	51.52	ng #	88
87) Benzo(b)fluoranthene	14.89	252	1133825m	52.20	ng	
88) Benzo(k)fluoranthene	14.91	252	1037003m	60.41	ng	
89) Benzo(a)pyrene	15.22	252	990873	53.09	ng #	91
90) Dibenzo(a,h)anthracene	16.63	278	971375	61.48	ng #	80
91) Benzo(g,h,i)perylene	17.00	276	939069	63.11	ng #	79

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.02 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Instrument :

BNA_F

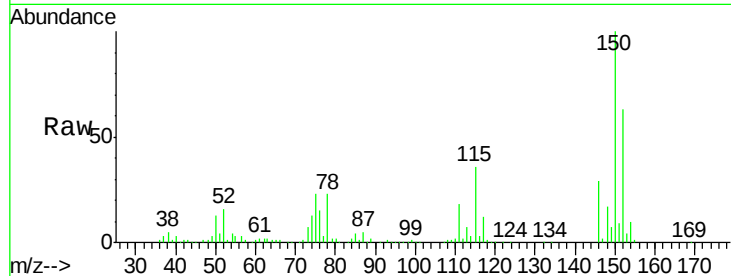
ClientSampleId :

SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.7	187.1
115	56.9	39.0	58.4

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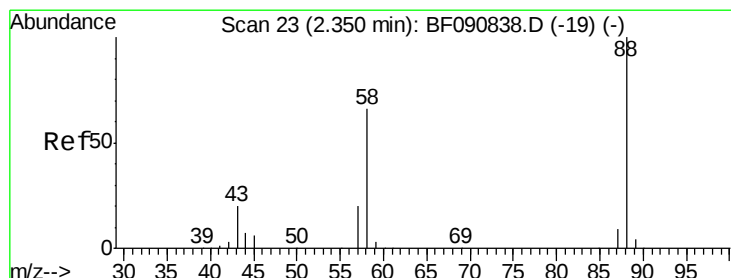
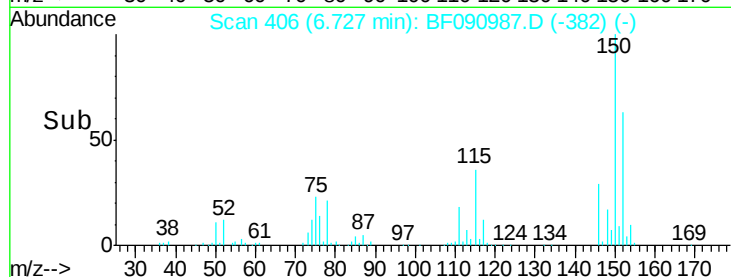
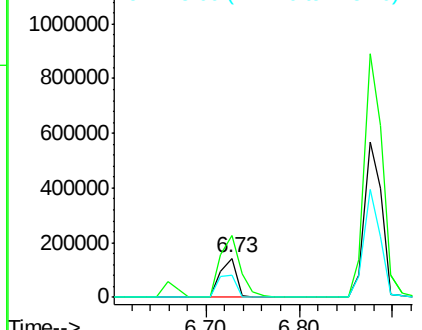


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 32.61 ng

RT: 2.30 min Scan# 19

Delta R.T. 0.06 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

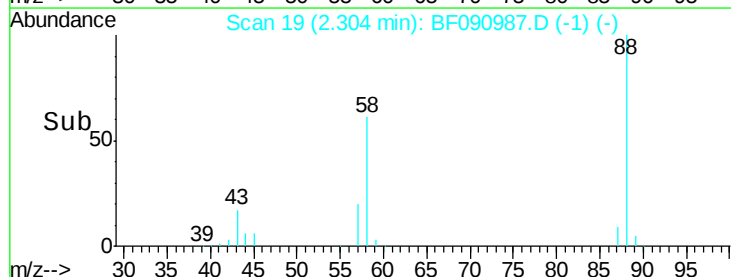
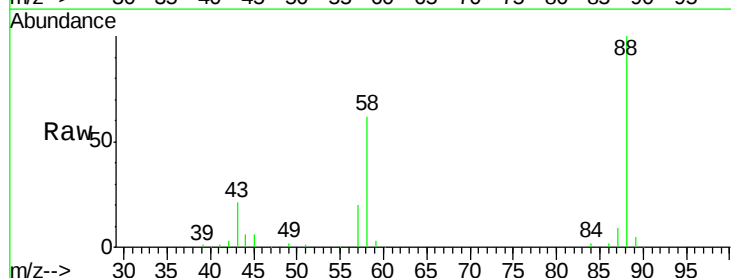
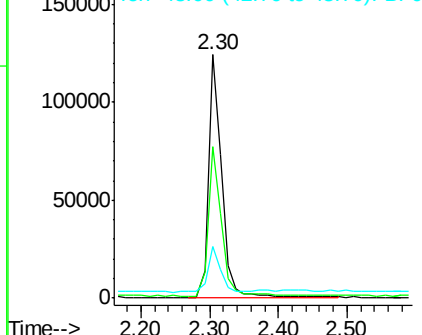
Tgt Ion	Ratio	Lower	Upper
88	100		
58	62.6	77.7	116.5#
43	17.7	26.6	40.0#

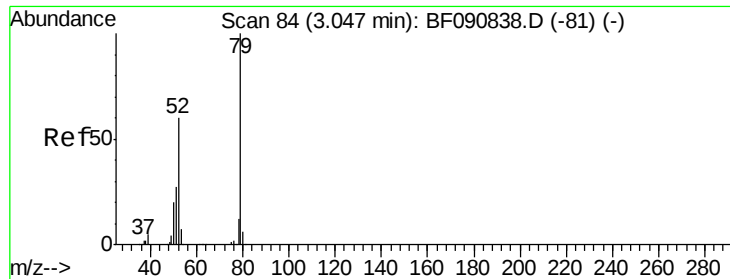
Abundance

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

Pyridine

Concen: 43.56 ng

RT: 2.98 min Scan# 78

Delta R.T. 0.05 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Instrument :

BNA_F

ClientSampleId :

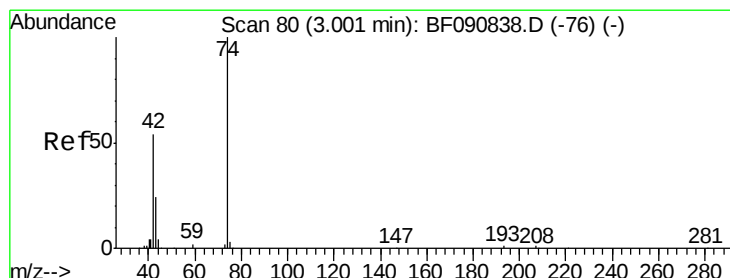
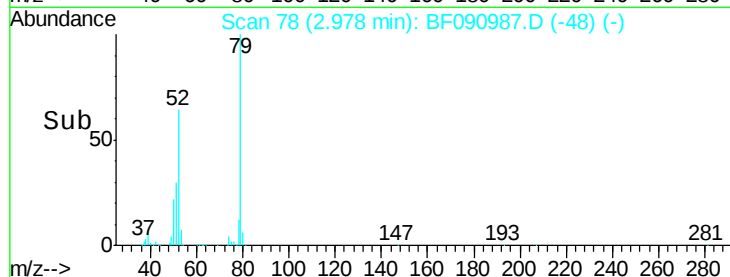
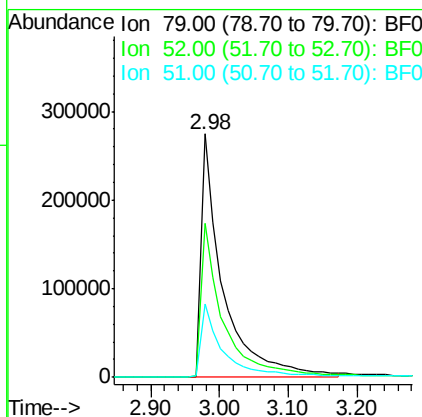
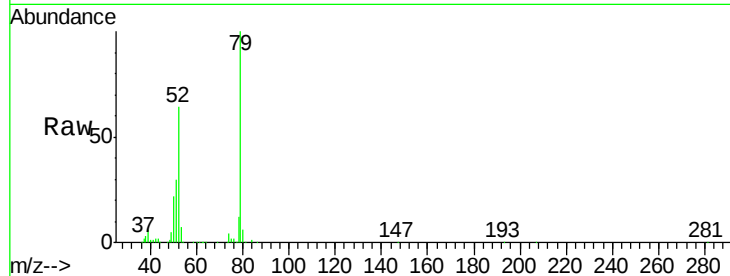
SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Lower	Upper
79	100		
52	63.5	76.8	115.2#
51	30.1	32.2	48.4#

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#4

n-Nitrosodimethylamine

Concen: 65.19 ng

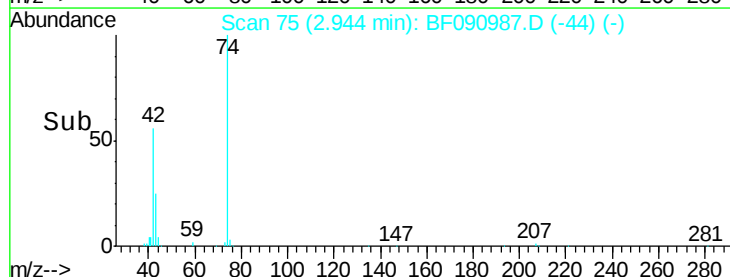
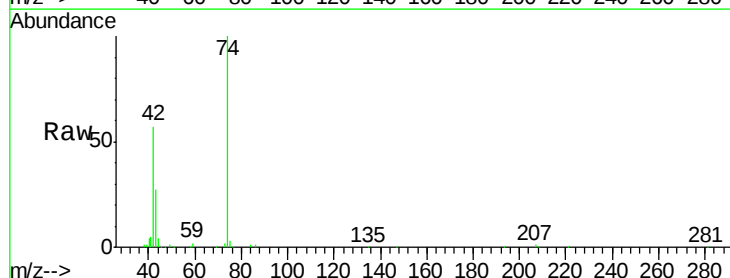
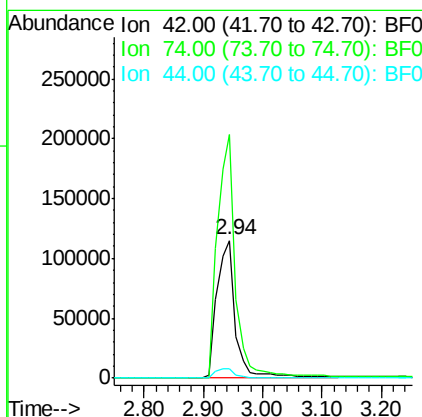
RT: 2.94 min Scan# 75

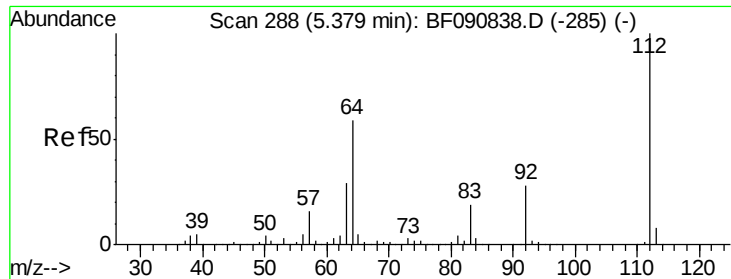
Delta R.T. 0.06 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Lower	Upper
42	100		
74	176.9	105.0	157.6#
44	7.3	6.6	10.0





#5

2-Fluorophenol

Concen: 170.23 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Instrument :

BNA_F

ClientSampleId :

SB-91-24.5-25.0MSD

Tgt Ion: 112 Resp: 1693895

Ion Ratio Lower Upper

112 100

64 55.9 39.7 59.5

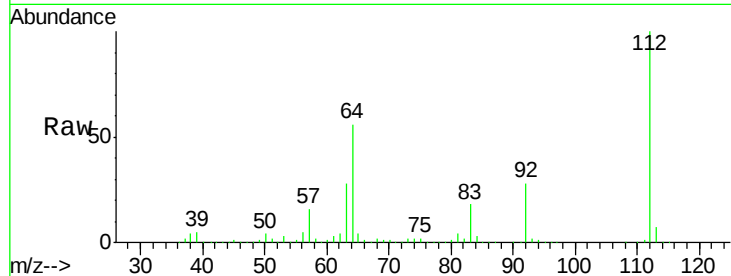
63 28.1 17.4 26.0#

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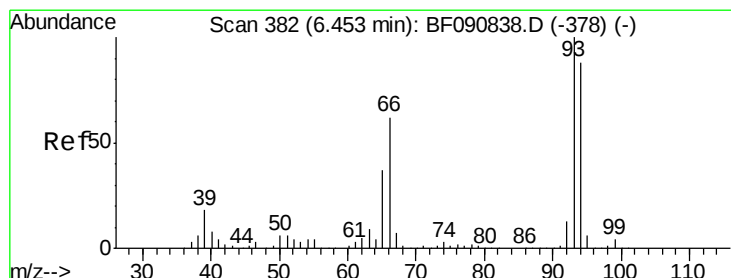
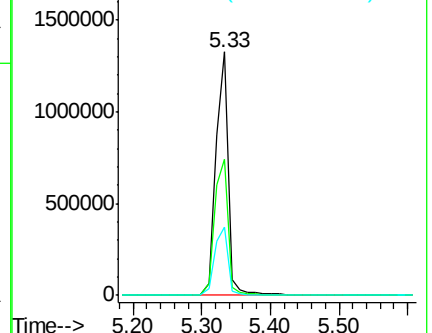
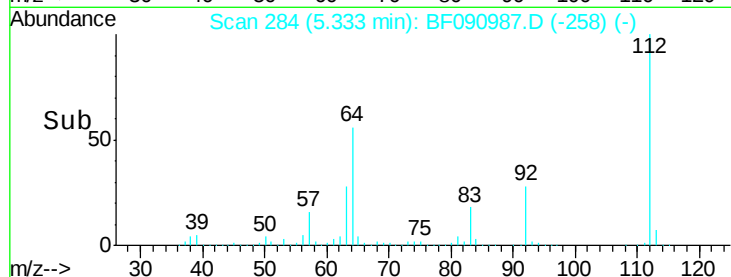
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 25.81 ng m

RT: 6.41 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

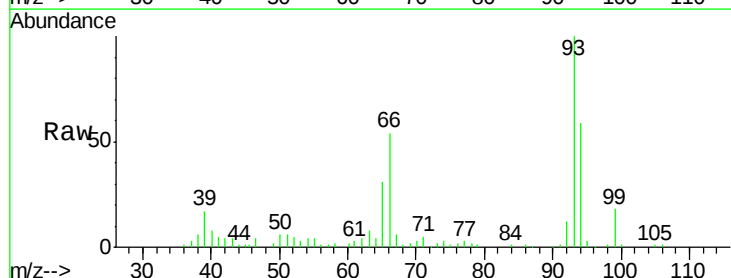
Tgt Ion: 93 Resp: 395811

Ion Ratio Lower Upper

93 100

66 54.4 27.2 40.8#

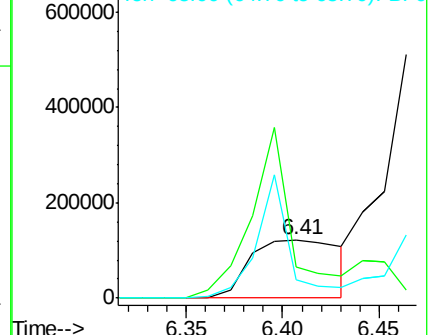
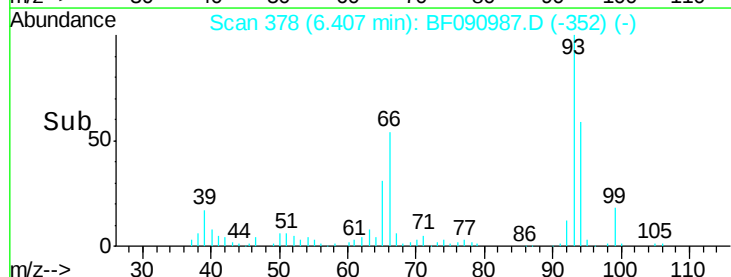
65 30.8 14.7 22.1#

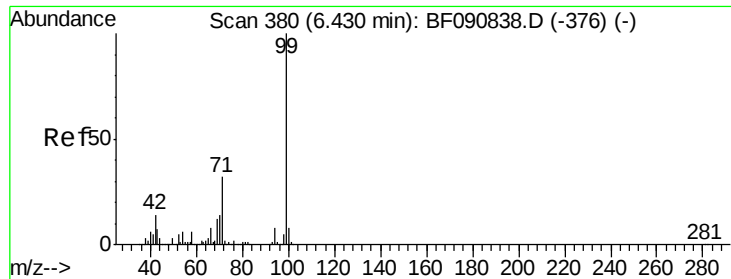


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 150.88 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Instrument :

BNA_F

ClientSampleId :

SB-91-24.5-25.0MSD

Tgt Ion: 99 Resp: 2025534

Ion Ratio Lower Upper

99 100

42 16.0 13.7 20.5

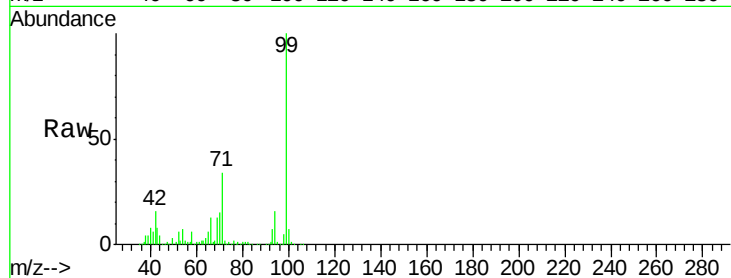
71 33.5 14.2 21.2#

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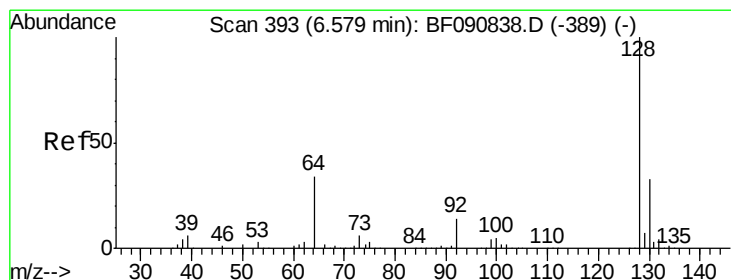
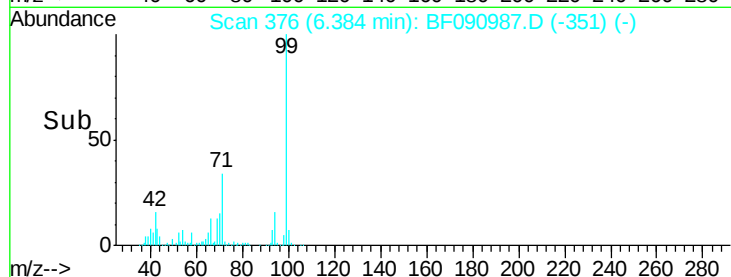
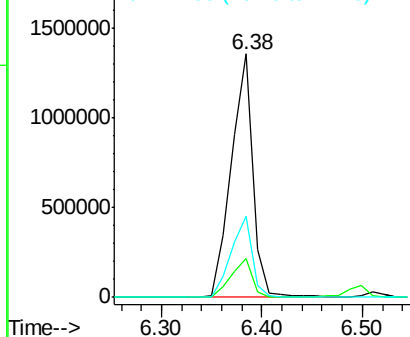
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 51.09 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

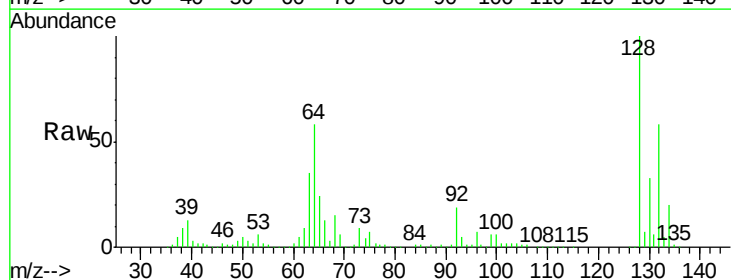
Tgt Ion: 128 Resp: 627098

Ion Ratio Lower Upper

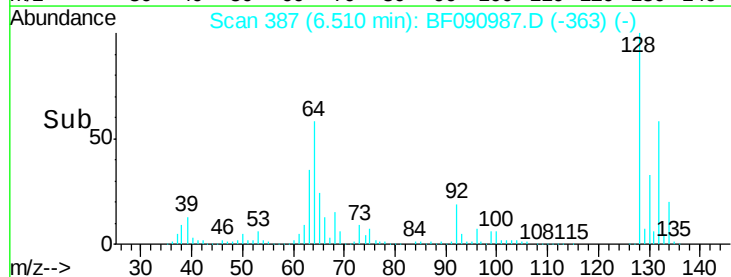
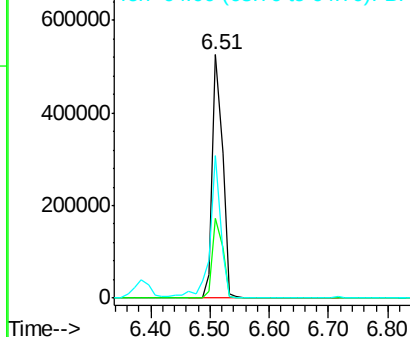
128 100

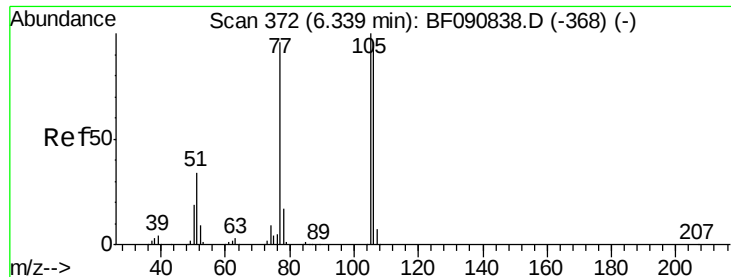
130 32.5 12.2 52.2

64 58.3 20.5 60.5



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 11.88 ng

RT: 6.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Instrument :

BNA_F

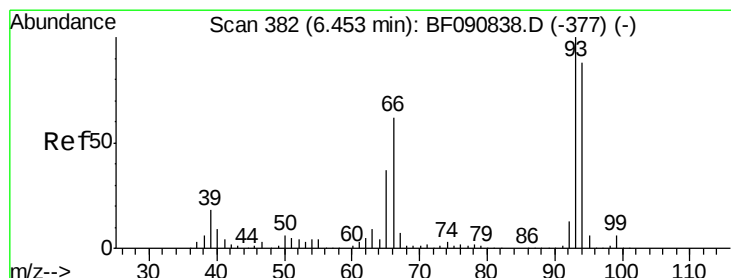
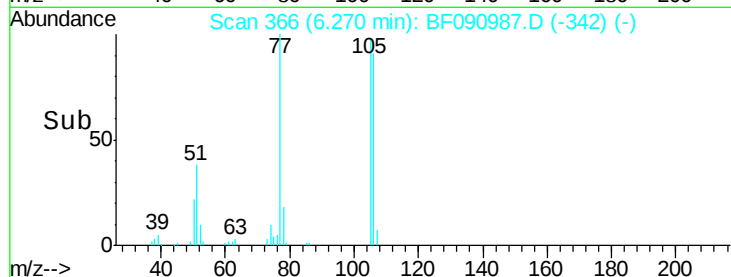
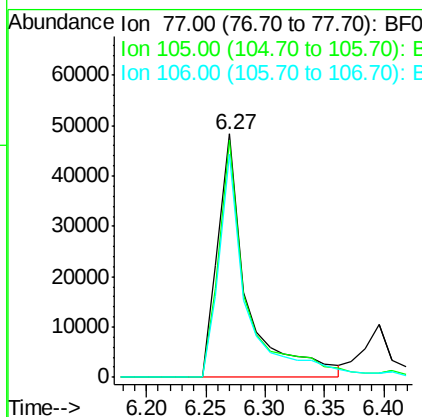
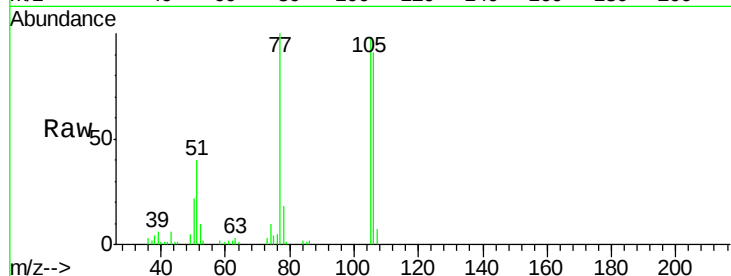
ClientSampleId :

SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Lower	Upper
77	100		
105	97.6	91.6	131.6
106	91.5	102.6	142.6

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#10

Phenol

Concen: 56.03 ng

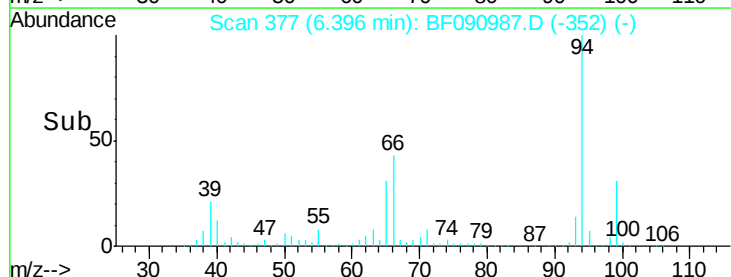
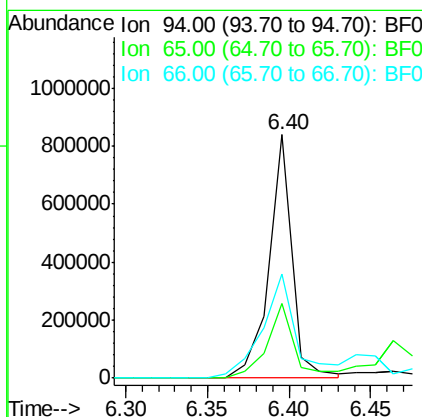
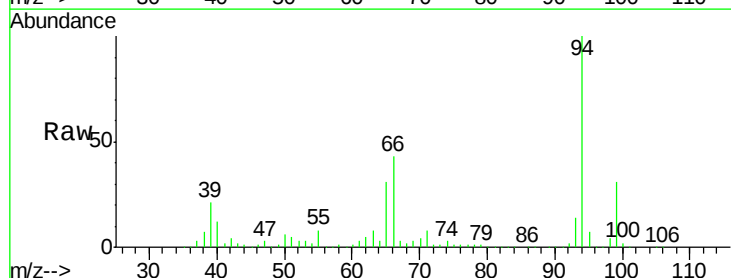
RT: 6.40 min Scan# 377

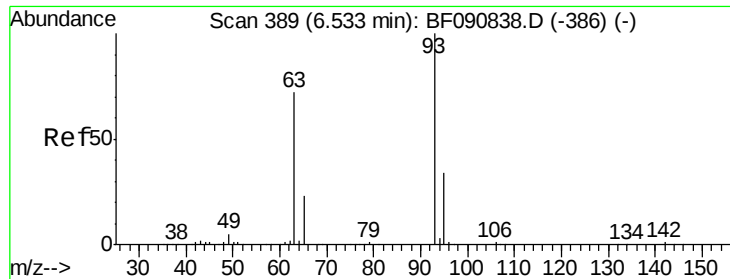
Delta R.T. -0.01 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.8	0.7	40.7
66	42.5	0.8	40.8





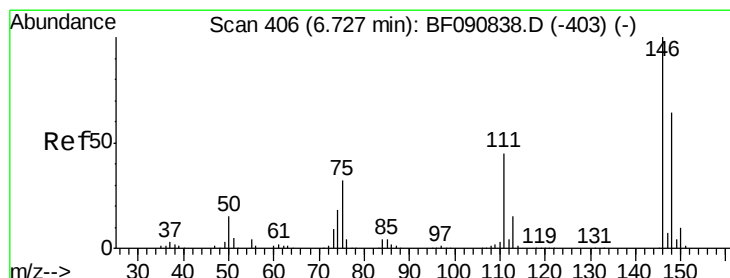
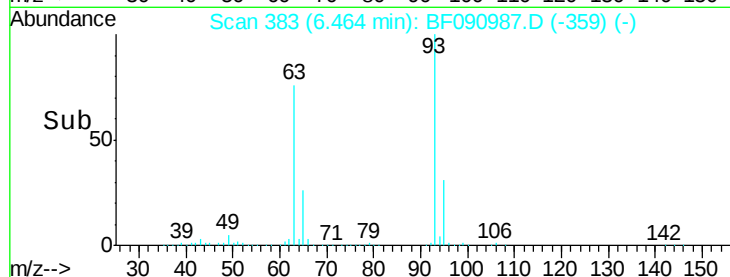
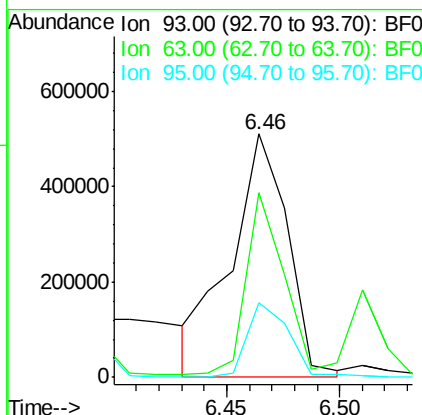
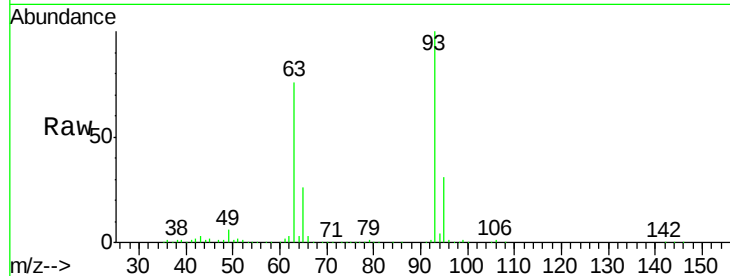
#11
bis(2-Chloroethyl)ether
Concen: 73.60 ng m
RT: 6.46 min Scan# 383
Delta R.T. -0.02 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Instrument :
BNA_F
ClientSampleId :
SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Lower	Upper
93	100		
63	75.8	65.6	105.6
95	30.6	13.6	53.6

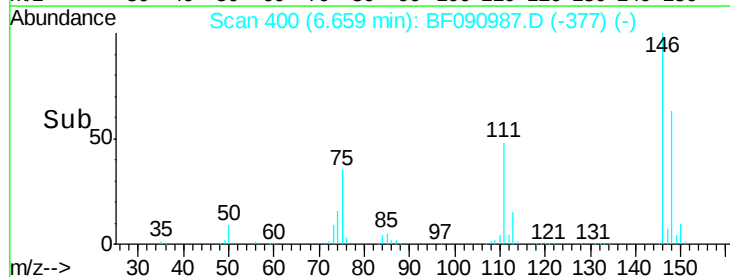
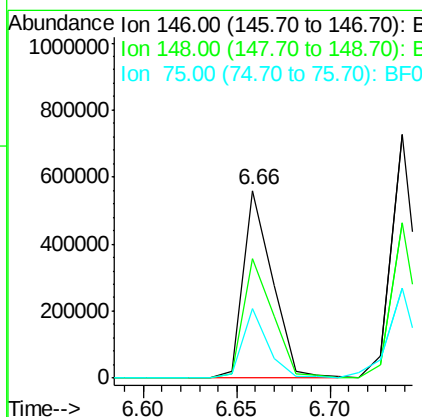
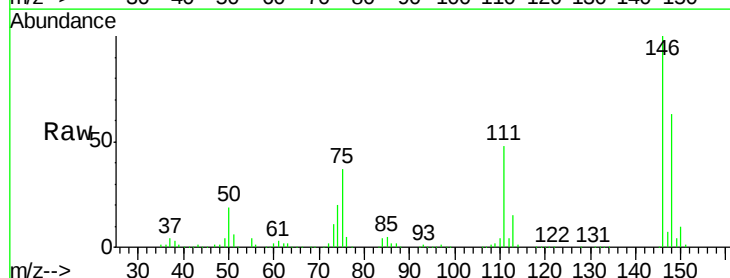
Manual Integrations
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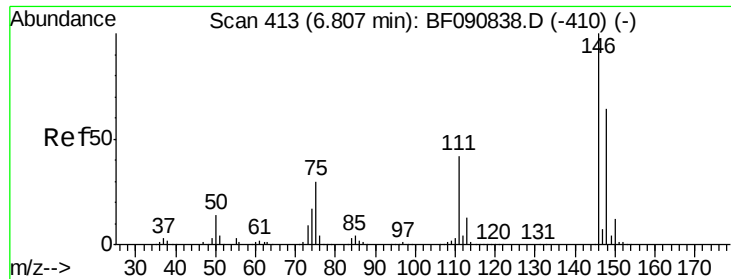
Umangi
11/3/2016 7:12:50 PM



#12
1,3-Dichlorobenzene
Concen: 48.89 ng
RT: 6.66 min Scan# 400
Delta R.T. -0.03 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.0	76.4
75	36.8	15.0	22.6





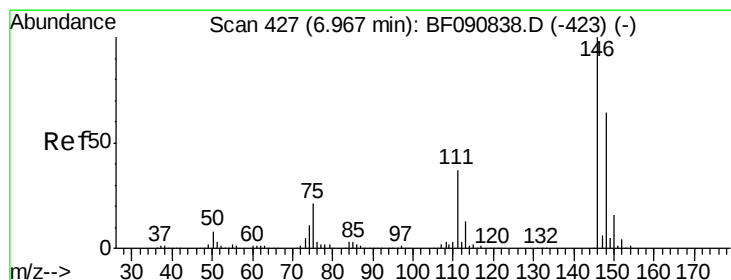
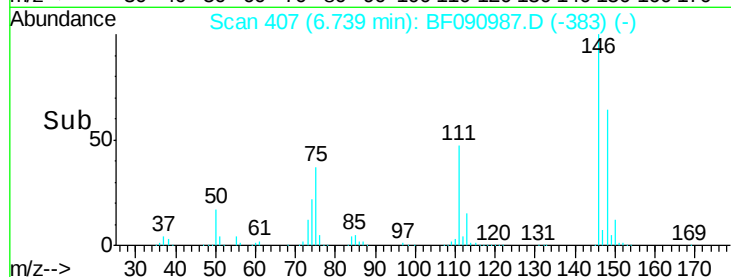
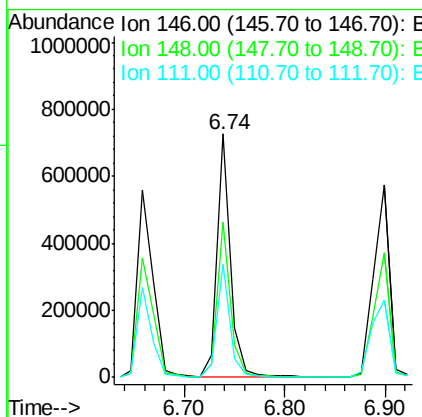
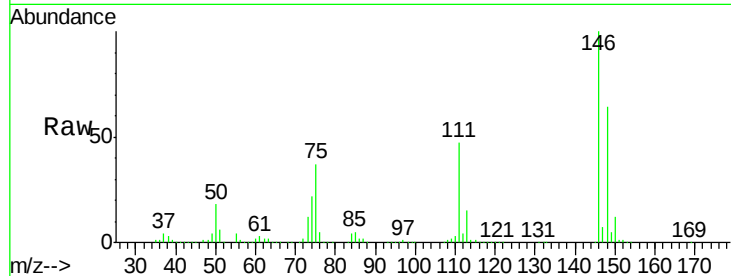
#13
 1,4-Dichlorobenzene
 Concen: 51.38 ng
 RT: 6.74 min Scan# 407
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
111	46.6	24.9	37.3

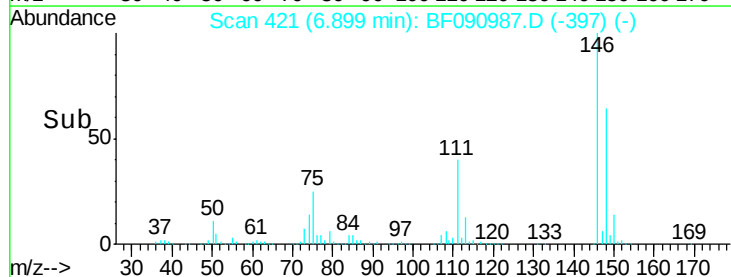
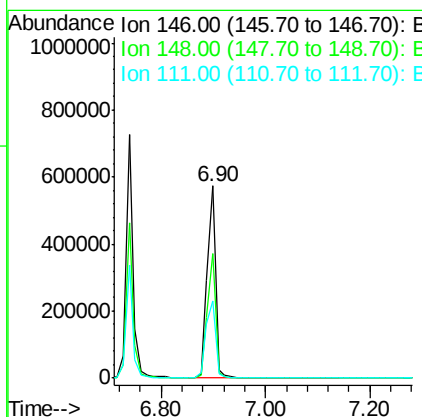
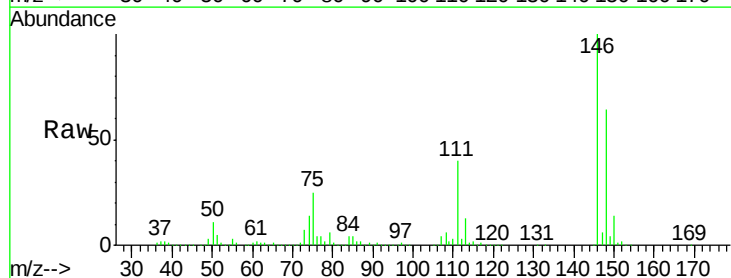
Manual Integrations
 APPROVED

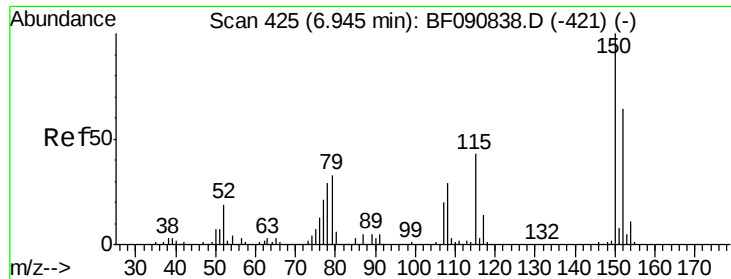
Umangi
 11/3/2016 7:12:50 PM



#14
 1,2-Dichlorobenzene
 Concen: 50.26 ng
 RT: 6.90 min Scan# 421
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.7	79.1
111	40.4	28.8	43.2





#15

Benzyl Alcohol

Concen: 60.36 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.02 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Instrument :

BNA_F

ClientSampleId :

SB-91-24.5-25.0MSD

Tgt Ion: 79 Resp: 532174

Ion Ratio Lower Upper

79 100

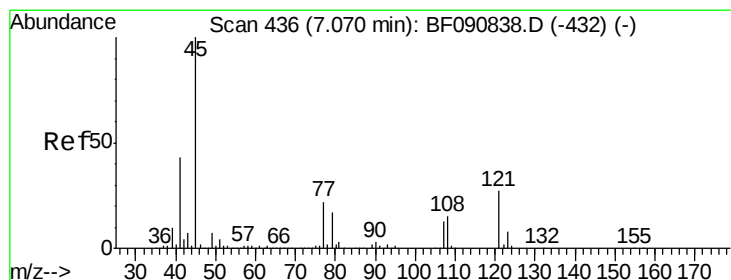
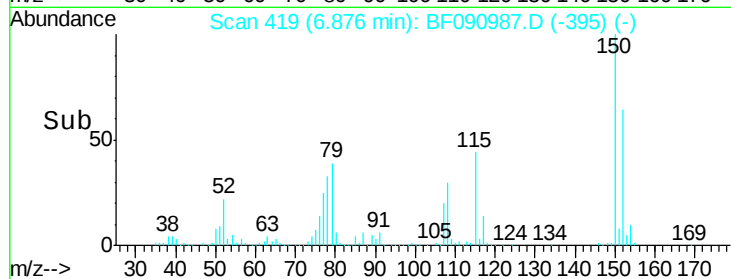
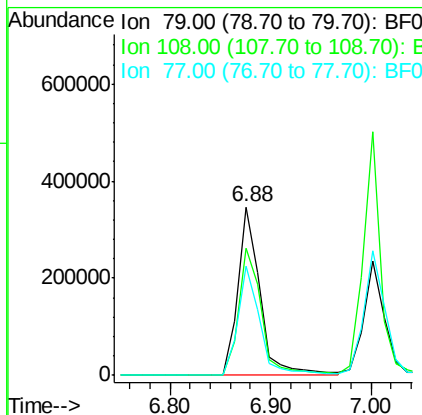
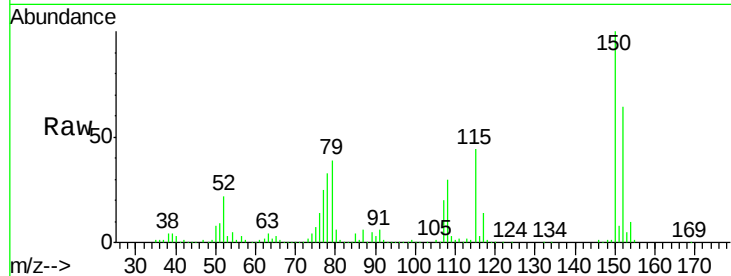
108 75.9 88.6 132.8#

77 64.7 47.0 70.4

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 61.18 ng

RT: 7.01 min Scan# 431

Delta R.T. -0.02 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

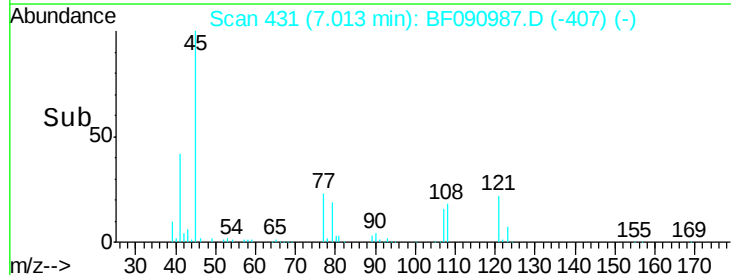
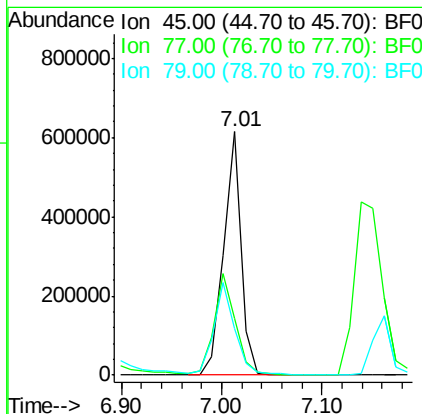
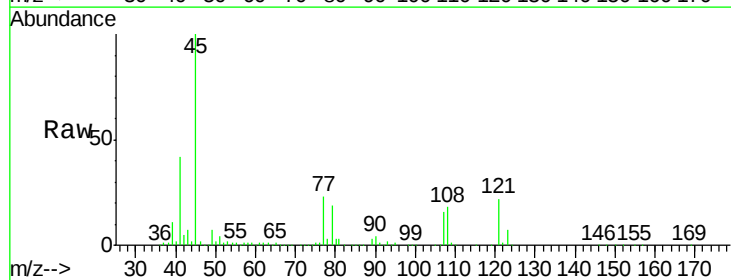
Tgt Ion: 45 Resp: 745221

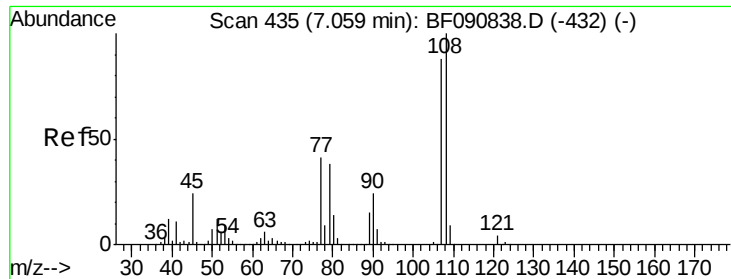
Ion Ratio Lower Upper

45 100

77 23.1 0.0 28.1

79 19.4 0.0 26.0





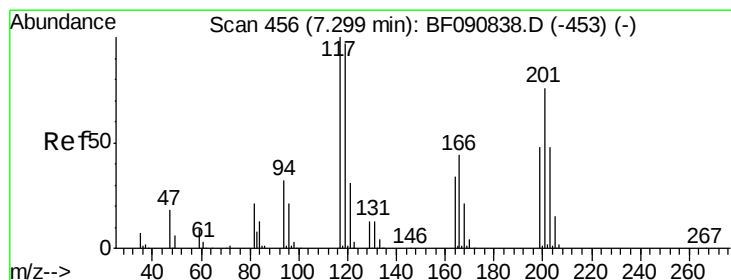
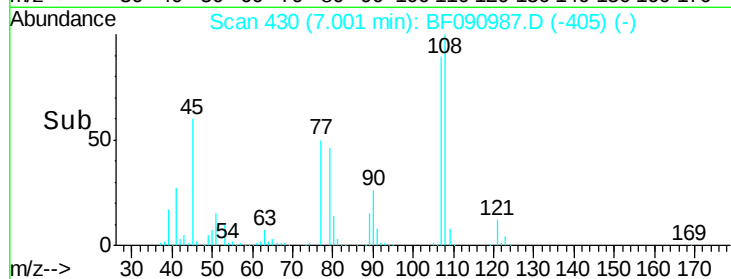
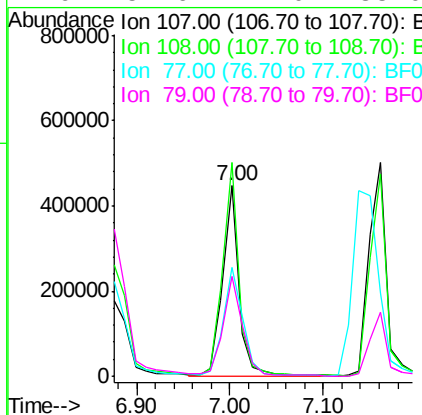
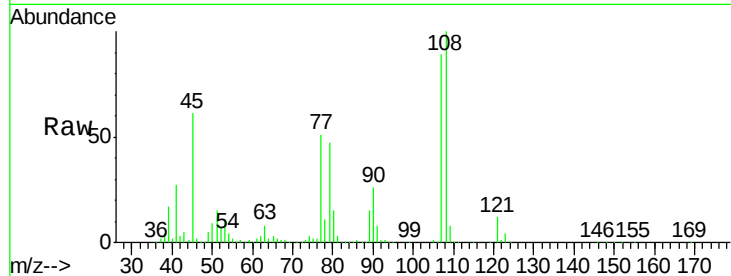
#17
2-Methylphenol
Concen: 57.25 ng
RT: 7.00 min Scan# 430
Delta R.T. -0.01 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Instrument :
BNA_F
ClientSampleId :
SB-91-24.5-25.0MSD

Tgt Ion:	107	Resp:	534595
Ion Ratio	Lower	Upper	
107	100		
108	112.1	96.6	145.0
77	57.2	23.3	34.9#
79	52.6	22.0	33.0#

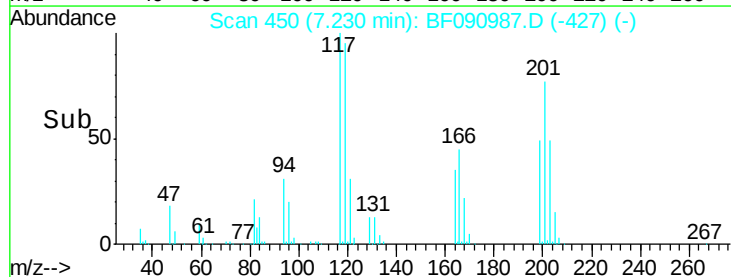
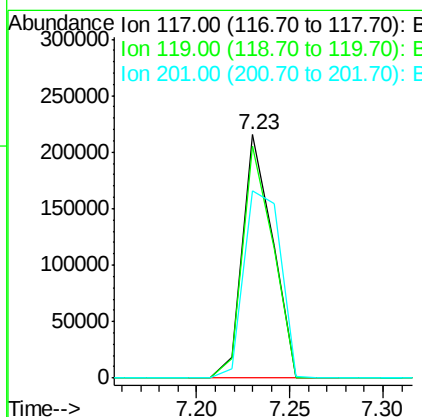
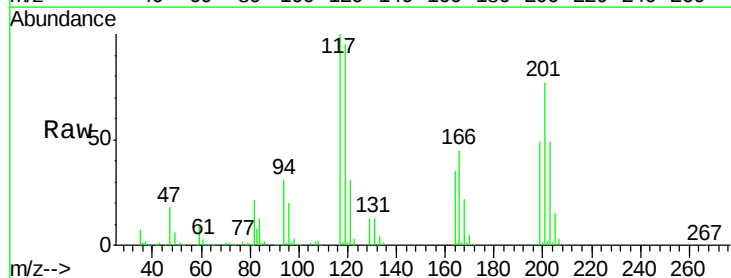
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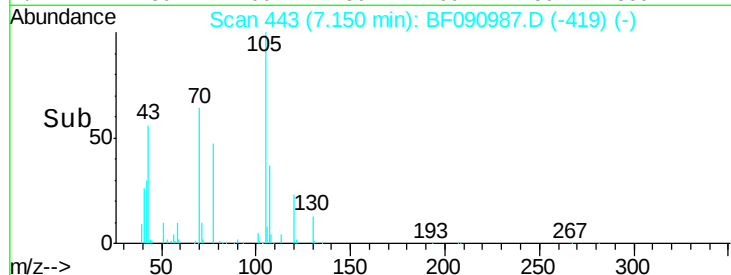
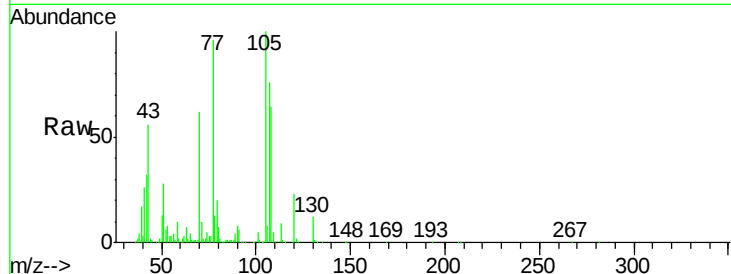
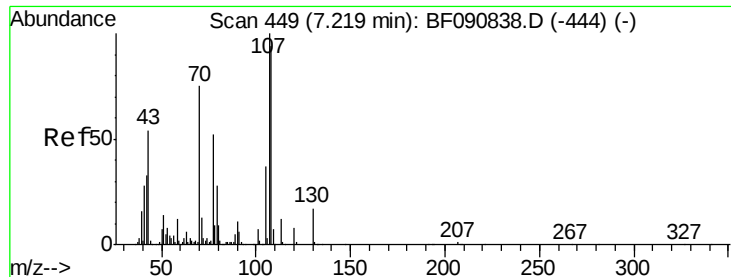
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#18
Hexachloroethane
Concen: 50.19 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.03 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Tgt Ion:	117	Resp:	241207
Ion Ratio	Lower	Upper	
117	100		
119	95.4	83.8	125.6
201	77.2	55.1	82.7





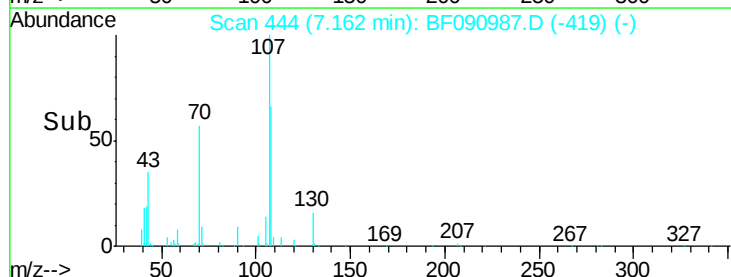
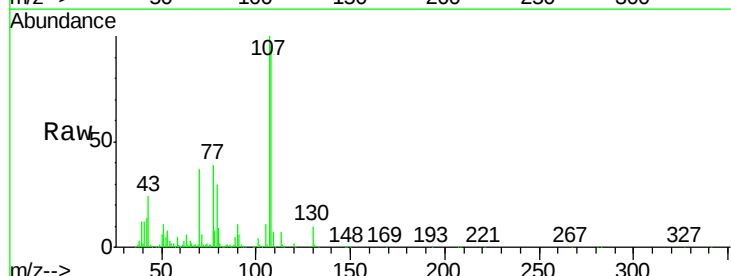
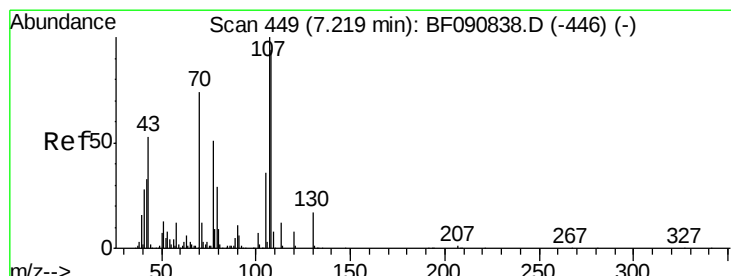
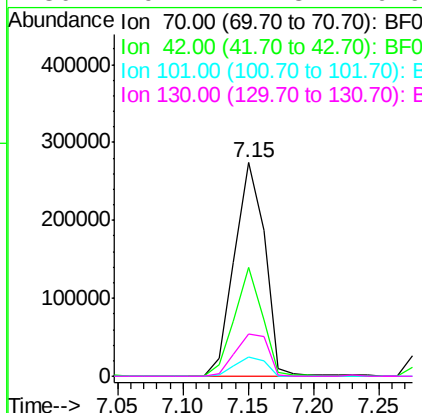
#19
n-Nitroso-di-n-propylamine
Concen: 57.16 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.02 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Instrument :
BNA_F
ClientSampleId :
SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Lower	Upper
70	100		
42	50.8	63.8	95.6#
101	8.8	9.2	13.8#
130	19.7	27.3	40.9#

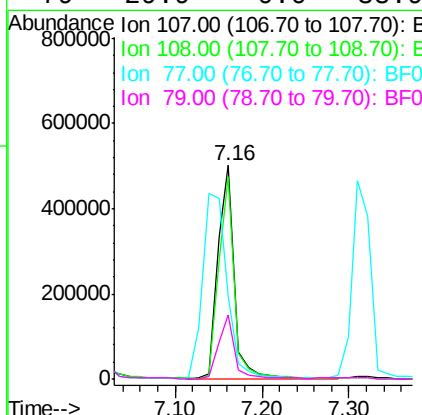
Manual Integrations
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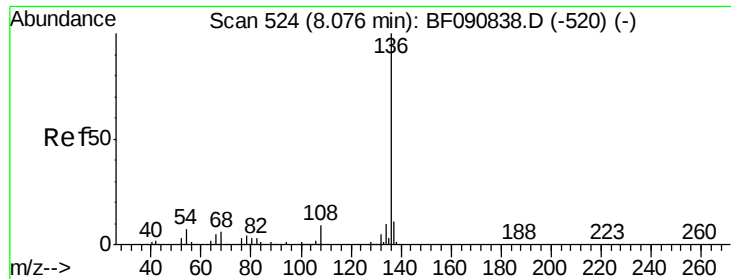
Umangi
11/3/2016 7:12:50 PM



#20
3+4-Methylphenols
Concen: 61.54 ng
RT: 7.16 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Lower	Upper
107	100		
108	94.7	74.6	114.6
77	38.9	0.7	40.7
79	29.9	0.0	38.9





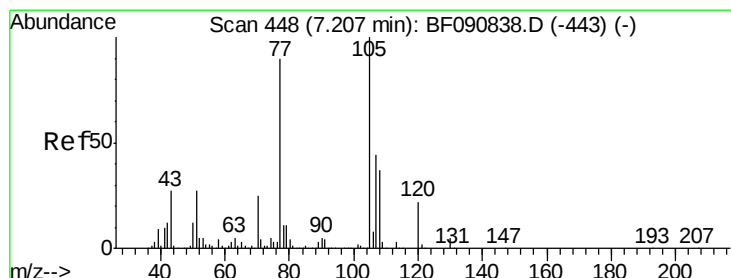
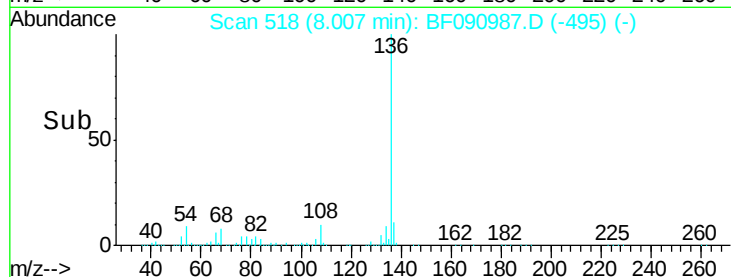
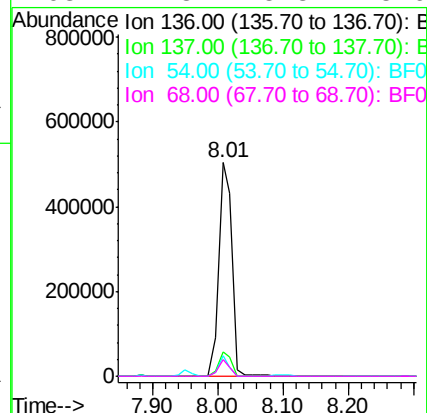
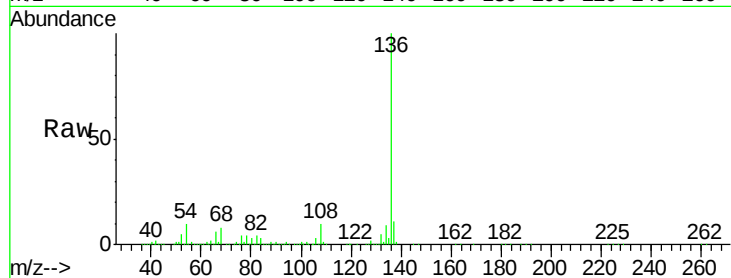
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.03 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Instrument :
BNA_F
ClientSampleId :
SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	726748		
137	11.3	9.0	13.6	
54	9.5	8.2	12.2	
68	7.8	5.8	8.6	

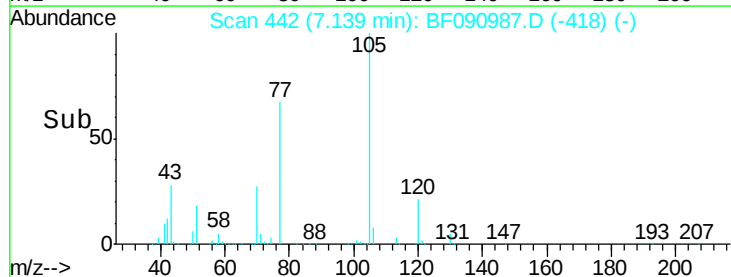
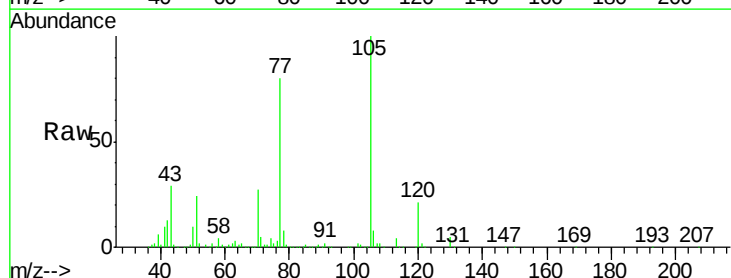
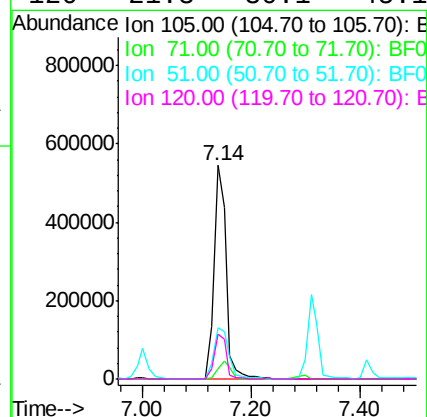
Manual Integrations
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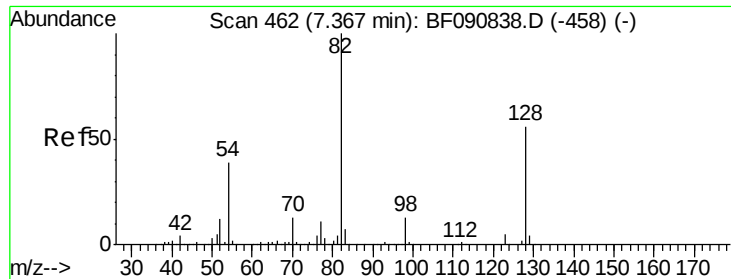
Umangi
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#22
Acetophenone
Concen: 56.97 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.02 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	851781		
71	4.7	4.7	7.1	
51	23.8	22.0	33.0	
120	21.3	30.1	45.1#	





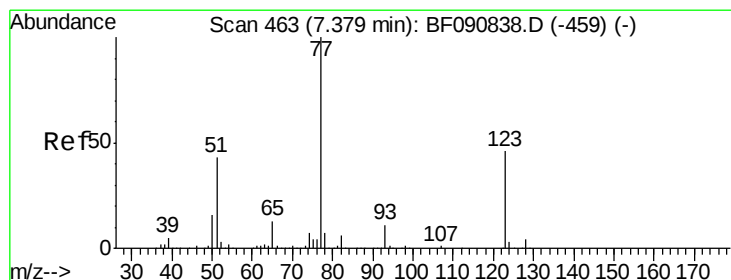
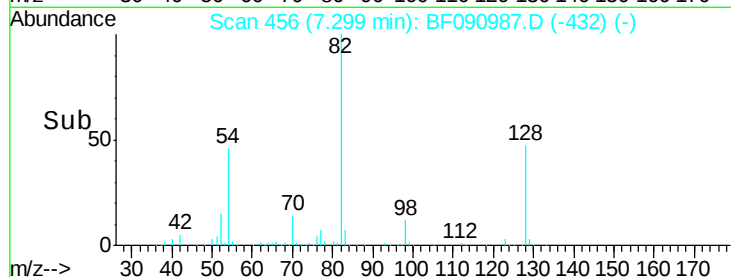
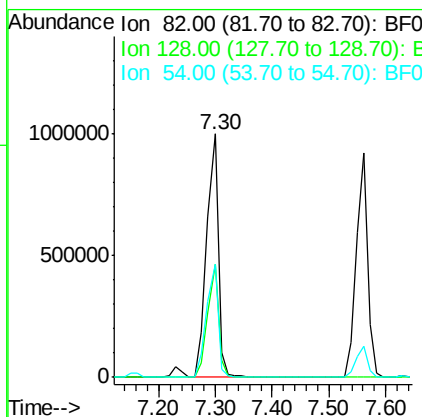
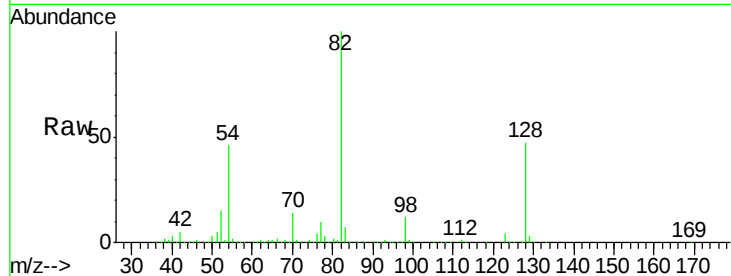
#23
 Nitrobenzene-d5
 Concen: 123.83 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

Tgt Ion: 82 Resp: 1374737
 Ion Ratio Lower Upper
 82 100
 128 46.6 51.0 76.6#
 54 46.5 47.5 71.3#

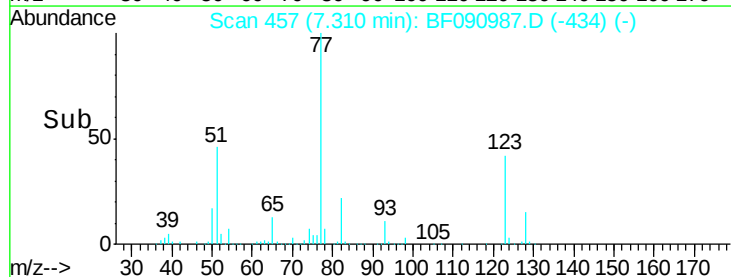
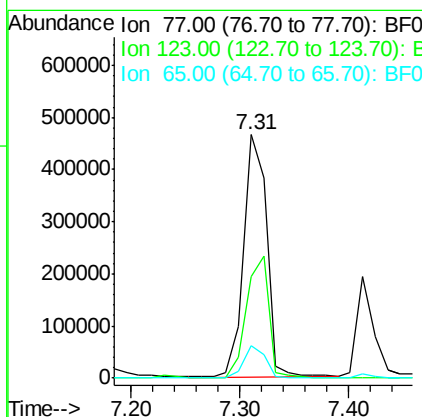
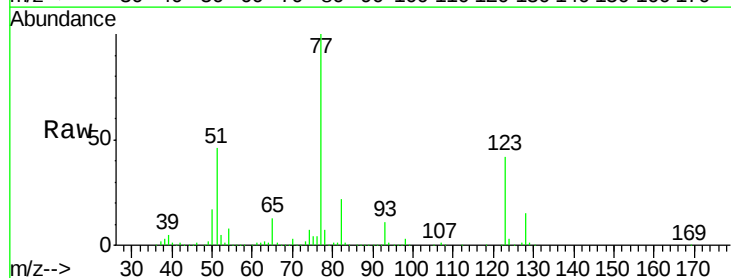
Manual Integrations
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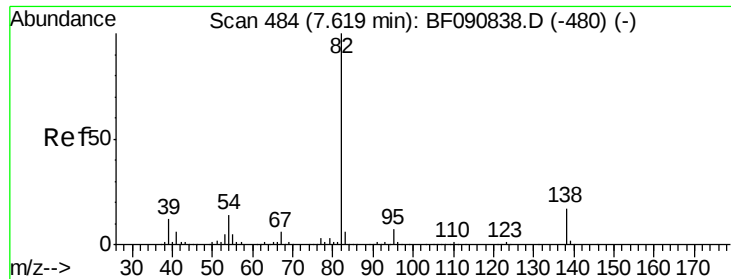
Umangi
 11/3/2016 7:12:50 PM



#24
 Nitrobenzene
 Concen: 57.99 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion: 77 Resp: 680952
 Ion Ratio Lower Upper
 77 100
 123 41.5 59.8 89.8#
 65 13.4 10.2 15.4





#25

Isophorone

Concen: 57.87 ng

RT: 7.56 min Scan# 479

Delta R.T. -0.02 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Instrument :

BNA_F

ClientSampleId :

SB-91-24.5-25.0MSD

Tgt Ion: 82 Resp: 1303672

Ion Ratio Lower Upper

82 100

95 6.8 4.0 6.0#

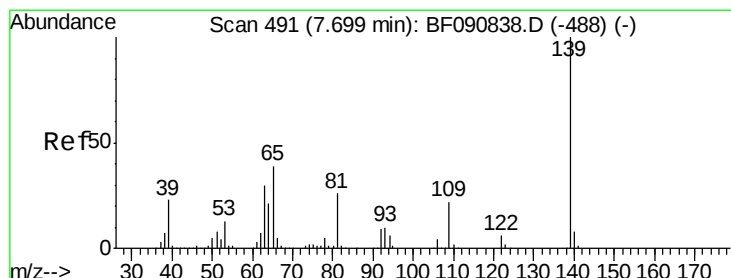
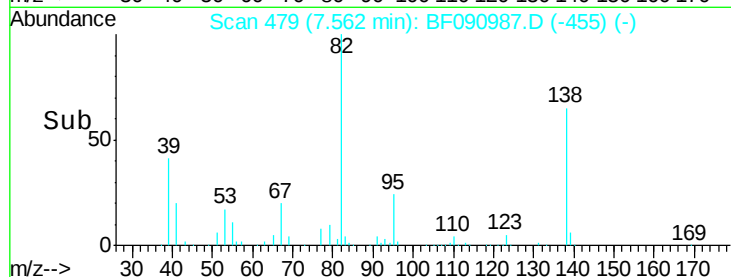
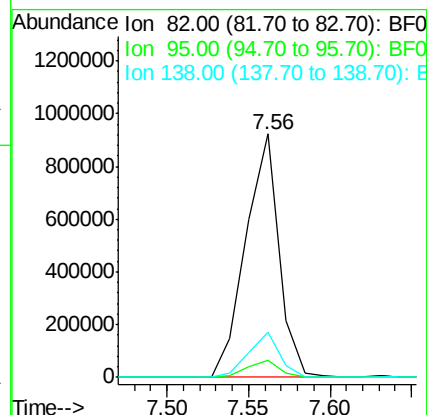
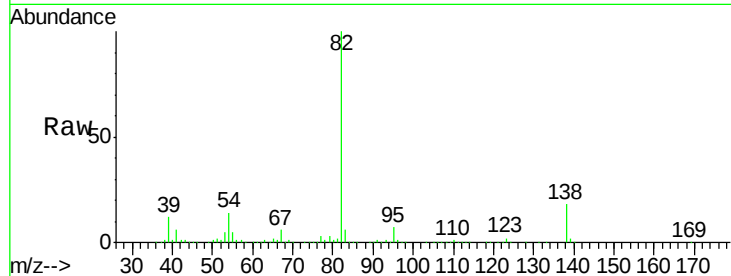
138 18.5 18.3 27.5

Manual Integrations

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Umangi

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#26

2-Nitrophenol

Concen: 54.99 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.02 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

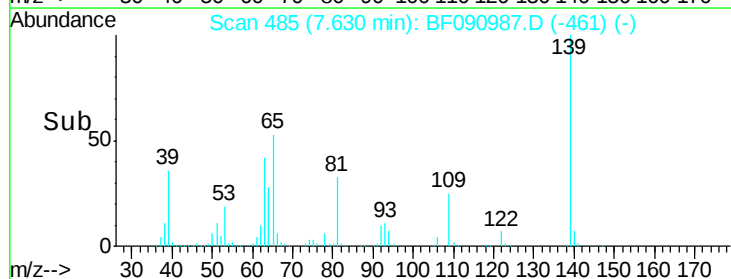
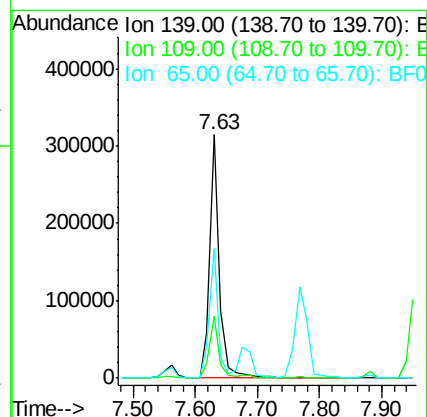
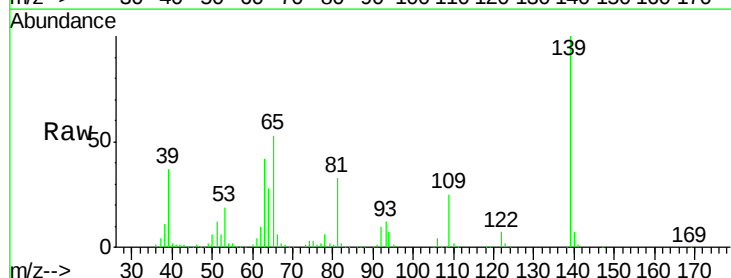
Tgt Ion: 139 Resp: 345915

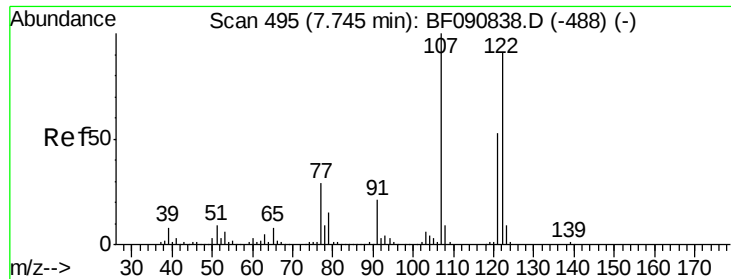
Ion Ratio Lower Upper

139 100

109 25.4 11.0 16.4#

65 53.3 24.7 37.1#





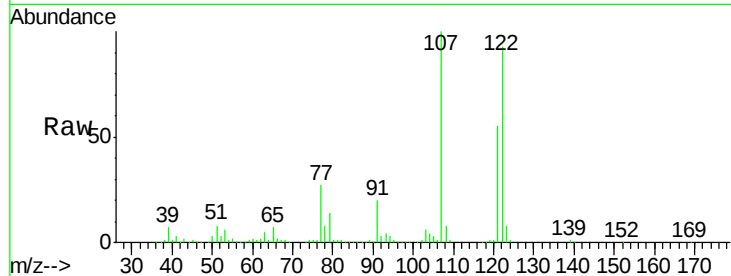
#27
2,4-Dimethylphenol
Concen: 59.74 ng
RT: 7.69 min Scan# 490
Delta R.T. -0.01 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Instrument :
BNA_F
ClientSampleId :
SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Lower	Upper
122	100		
107	107.2	71.8	107.6
121	58.9	42.3	63.5

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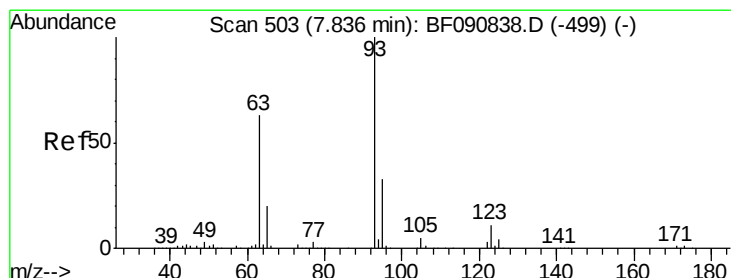
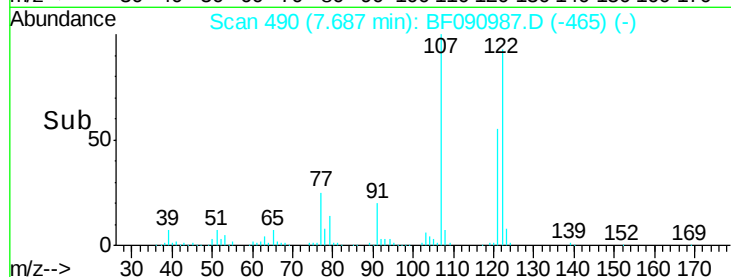
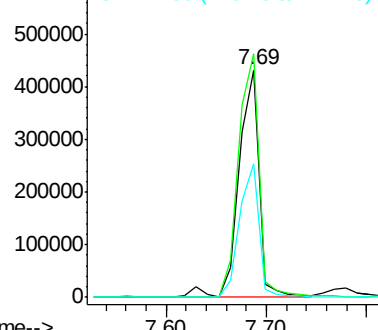


Abundance

Ion 122.00 (121.70 to 122.70): E

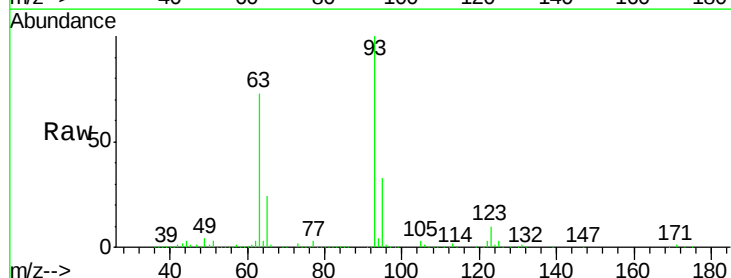
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 61.23 ng
RT: 7.77 min Scan# 497
Delta R.T. -0.02 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.6	27.5	41.3
123	10.5	13.7	20.5#

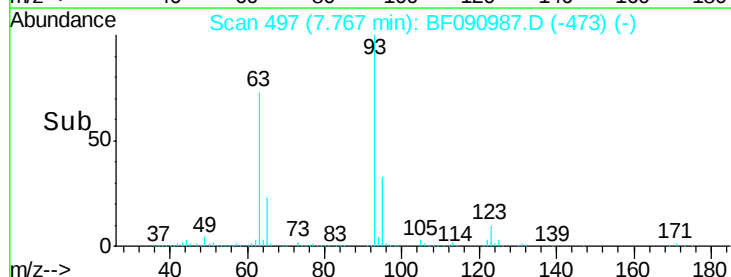
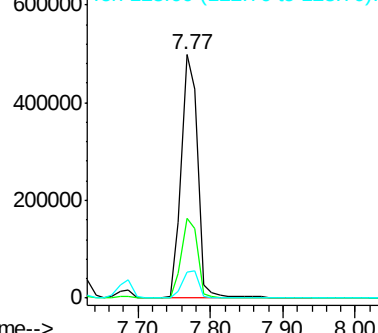


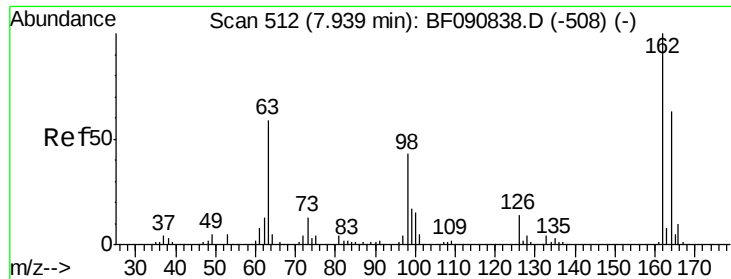
Abundance

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





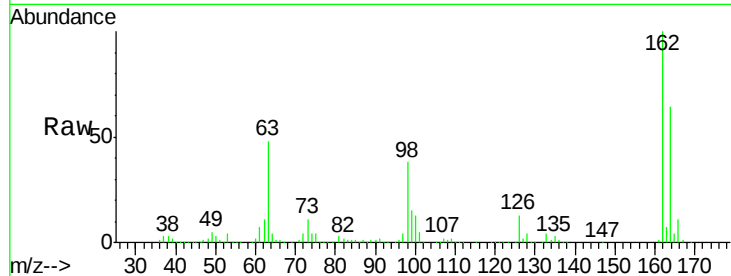
#29
 2,4-Dichlorophenol
 Concen: 59.17 ng
 RT: 7.88 min Scan# 507
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

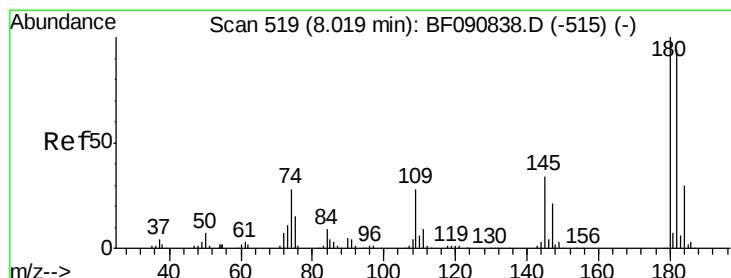
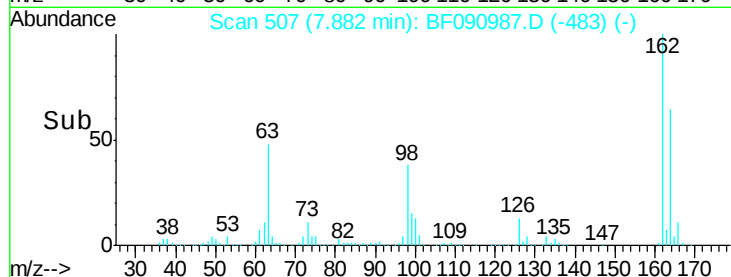
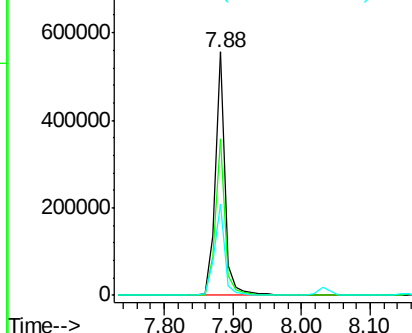
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	557941		
164	64.4	44.9	84.9	
98	37.7	13.0	53.0	

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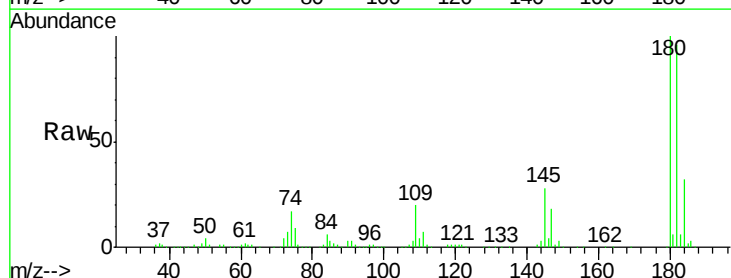


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

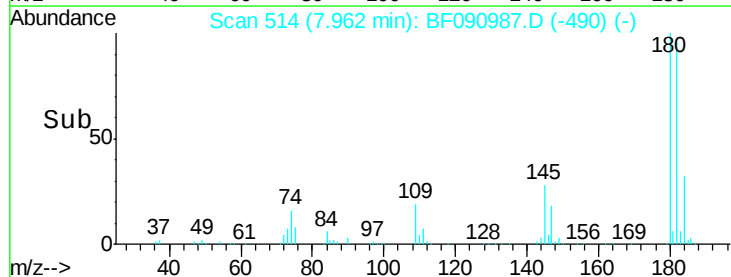
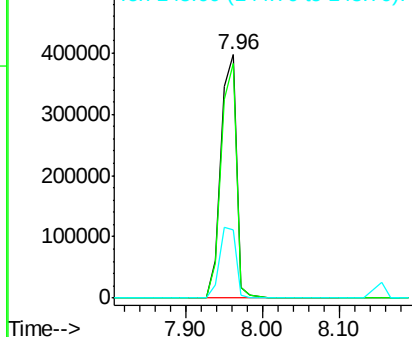


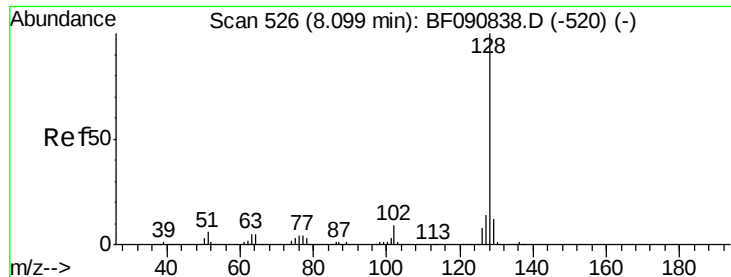
#30
 1,2,4-Trichlorobenzene
 Concen: 52.44 ng
 RT: 7.96 min Scan# 514
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	571492		
182	96.4	77.1	115.7	
145	27.9	23.3	34.9	



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





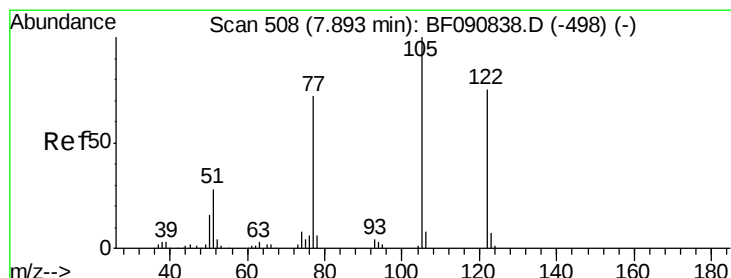
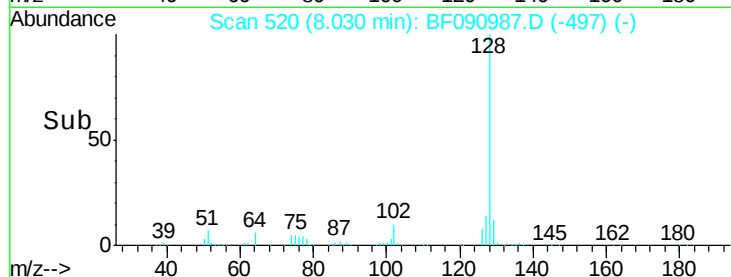
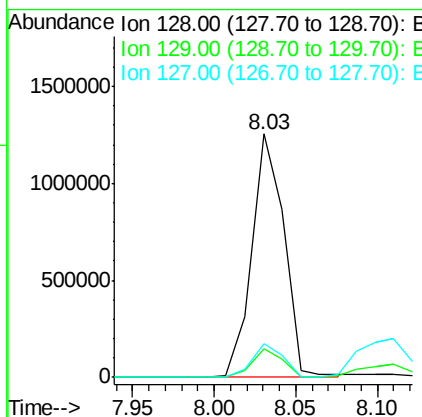
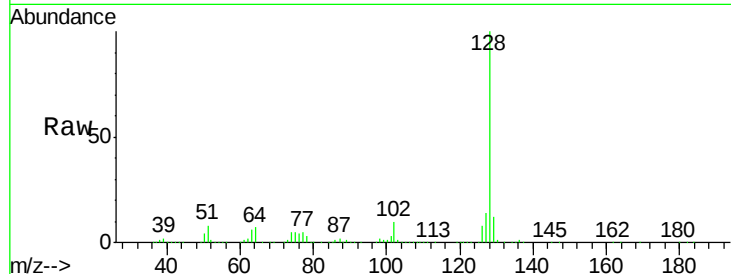
#31
Naphthalene
Concen: 50.74 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Instrument :
BNA_F
ClientSampleId :
SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.4	12.6
127	13.7	9.9	14.9

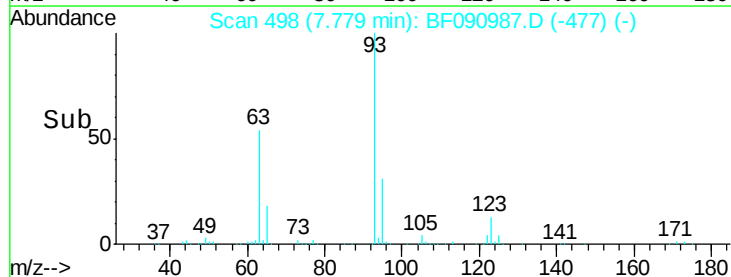
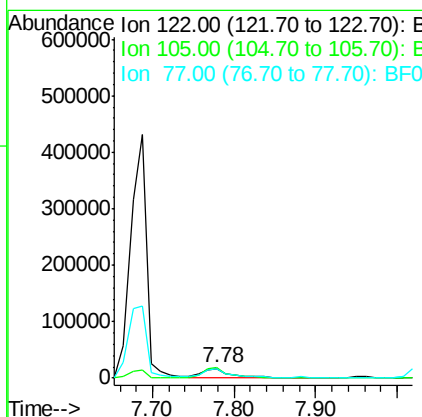
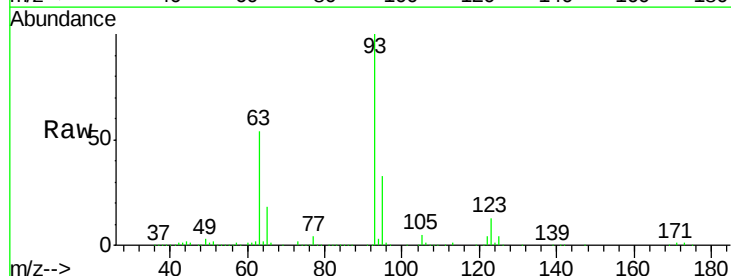
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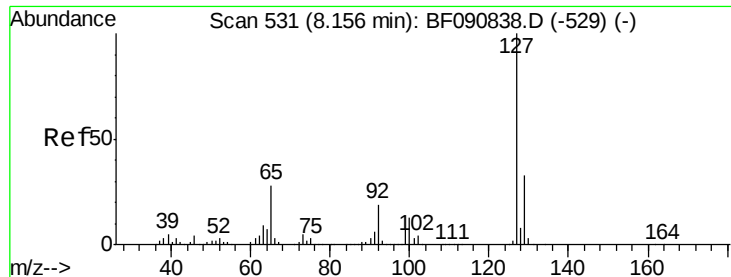
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#32
Benzoic acid
Concen: 5.58 ng
RT: 7.78 min Scan# 498
Delta R.T. -0.06 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Lower	Upper
122	100		
105	112.6	76.1	116.1
77	89.7	40.5	80.5#





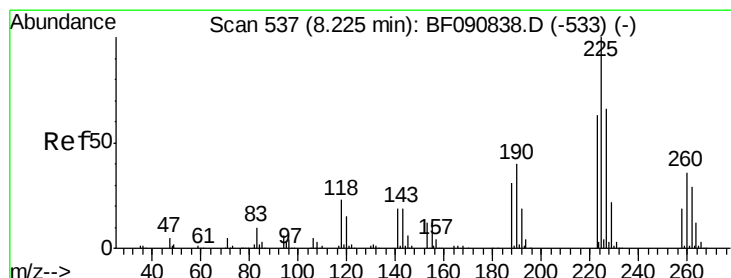
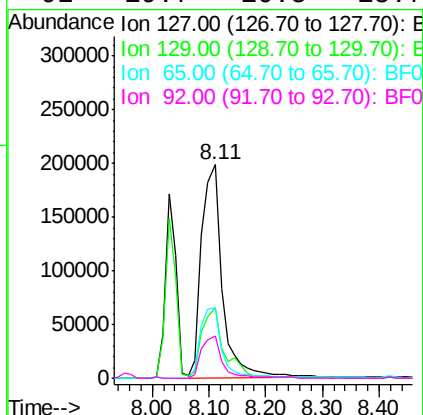
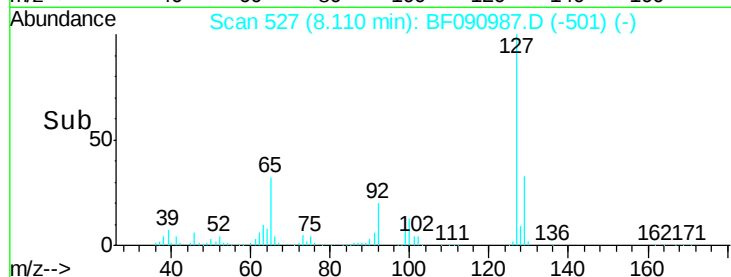
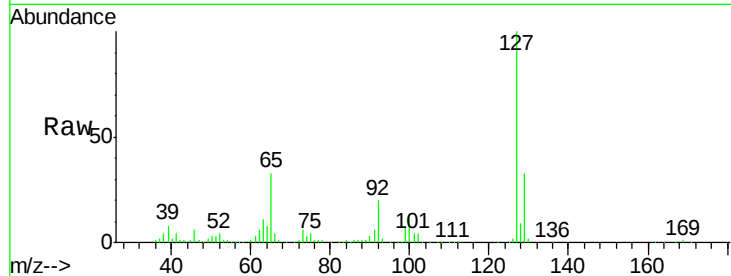
#33
4-Chloroaniline
Concen: 35.91 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Instrument :
BNA_F
ClientSampleId :
SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	492844		
129	32.8	25.8	38.6	
65	32.9	17.9	26.9	
92	19.7	10.5	15.7	

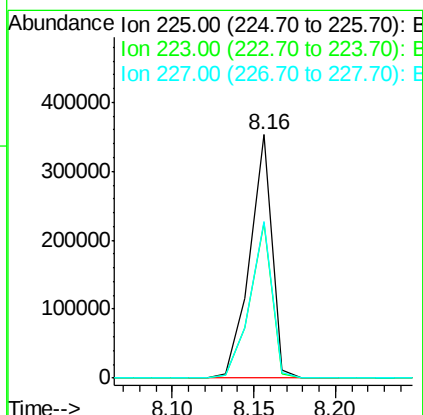
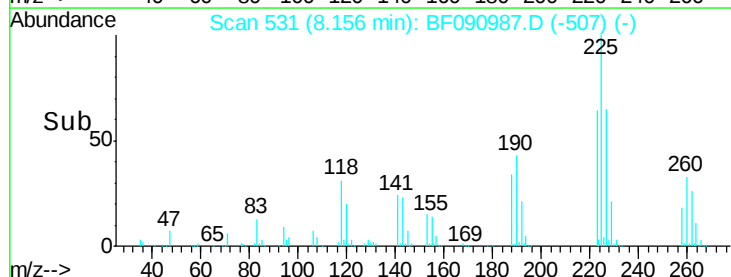
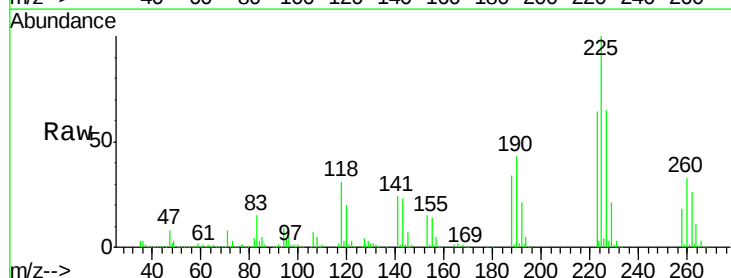
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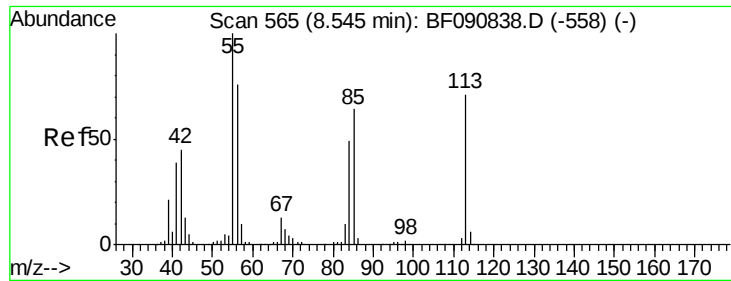
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#34
Hexachlorobutadiene
Concen: 52.12 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	334003		
223	63.7	50.2	75.2	
227	64.5	52.2	78.2	





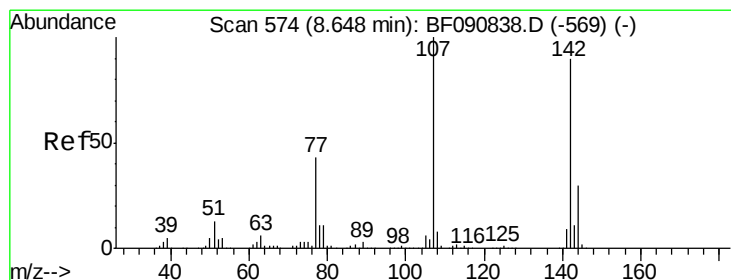
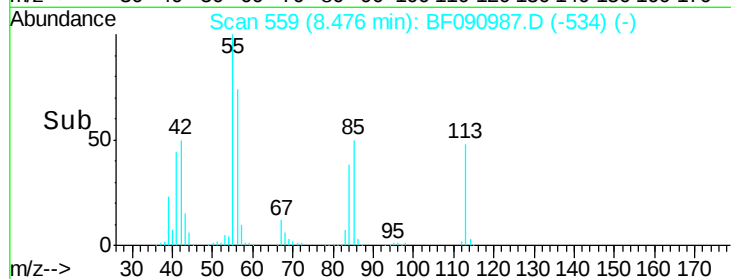
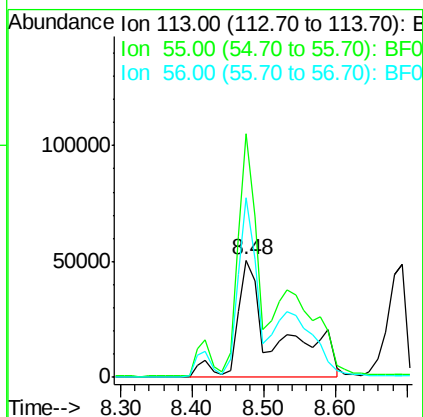
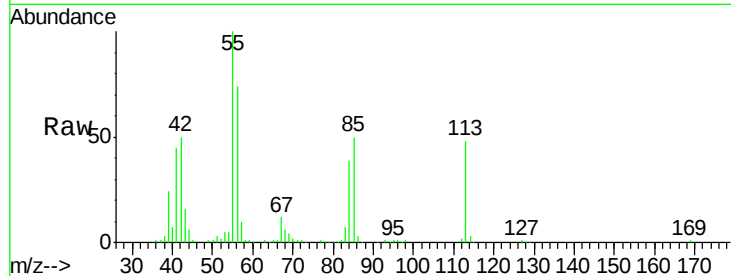
#35
 Caprolactam
 Concen: 65.99 ng m
 RT: 8.48 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

Tgt Ion:113 Resp: 193154
 Ion Ratio Lower Upper
 113 100
 55 207.6 152.4 192.4#
 56 153.0 104.6 144.6#

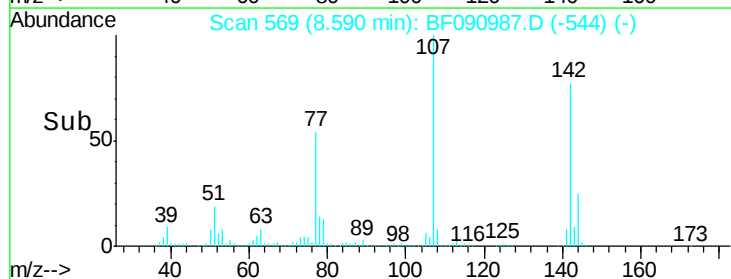
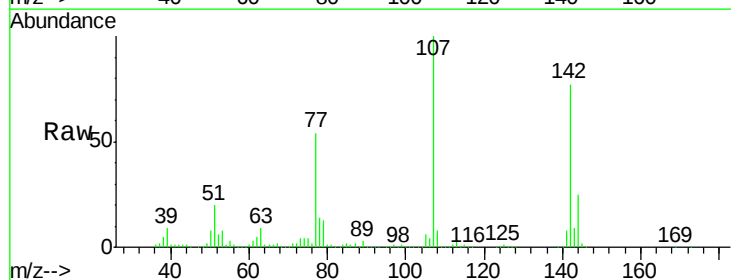
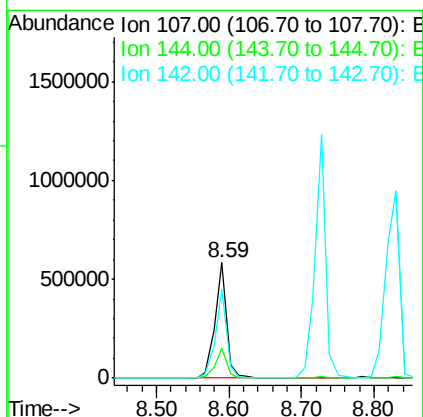
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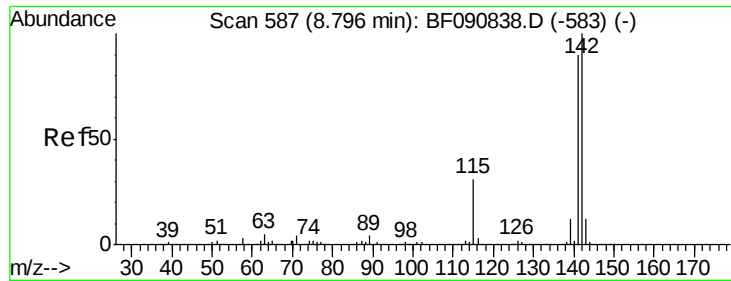
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#36
 4-Chloro-3-methylphenol
 Concen: 64.43 ng
 RT: 8.59 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion:107 Resp: 660819
 Ion Ratio Lower Upper
 107 100
 144 25.4 25.4 38.0
 142 77.3 77.3 115.9#





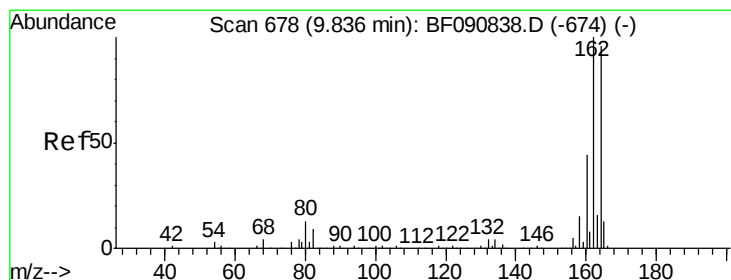
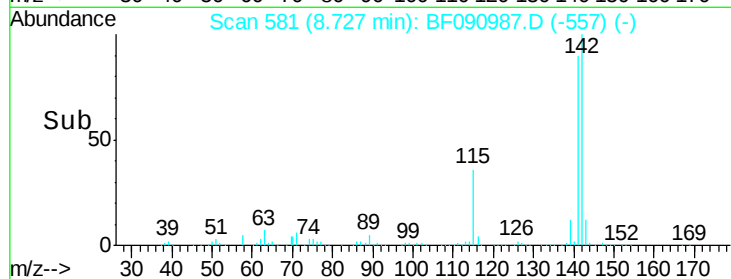
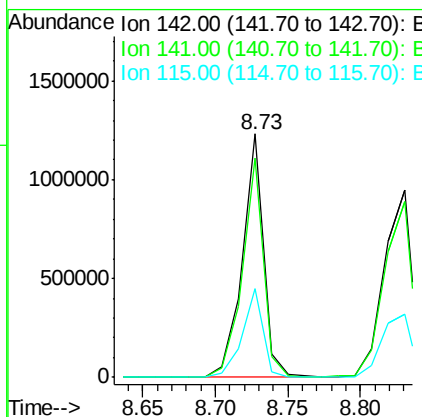
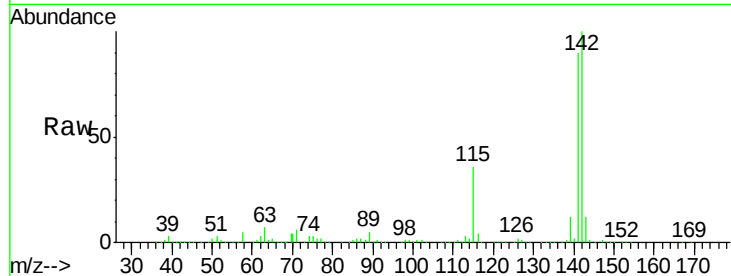
#37
 2-Methylnaphthalene
 Concen: 56.96 ng
 RT: 8.73 min Scan# 581
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

Tgt Ion:142 Resp: 1249697
 Ion Ratio Lower Upper
 142 100
 141 90.1 67.5 101.3
 115 36.4 18.2 27.2#

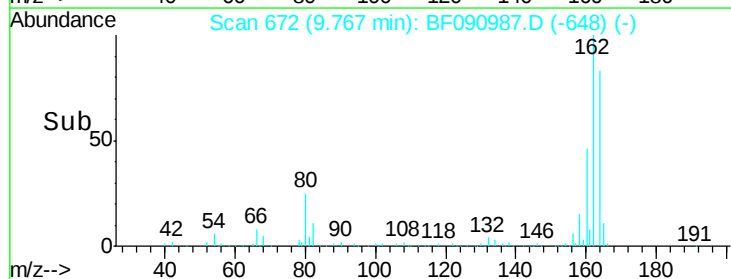
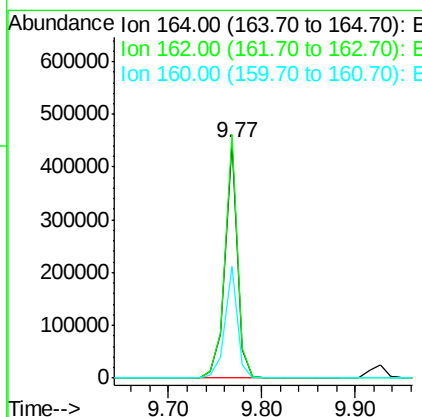
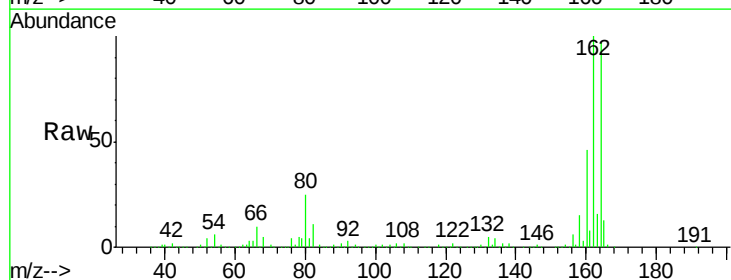
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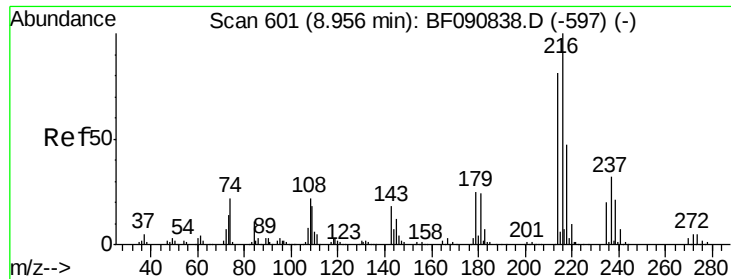
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion:164 Resp: 413372
 Ion Ratio Lower Upper
 164 100
 162 103.4 75.2 112.8
 160 47.2 31.5 47.3





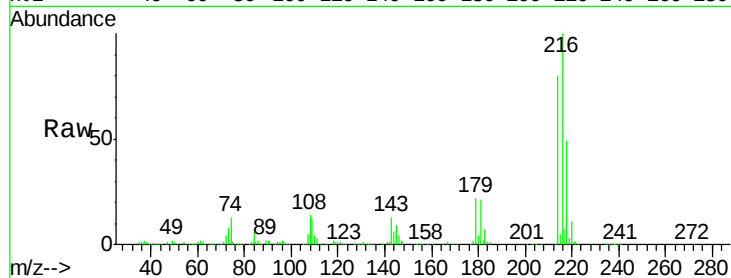
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 54.78 ng
 RT: 8.90 min Scan# 596
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

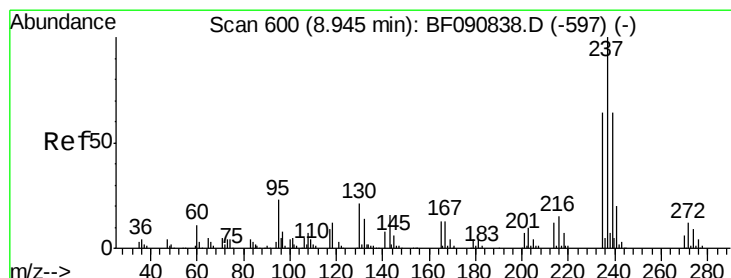
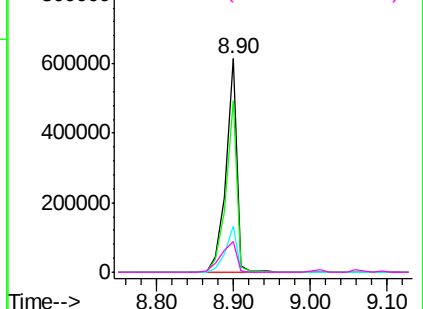
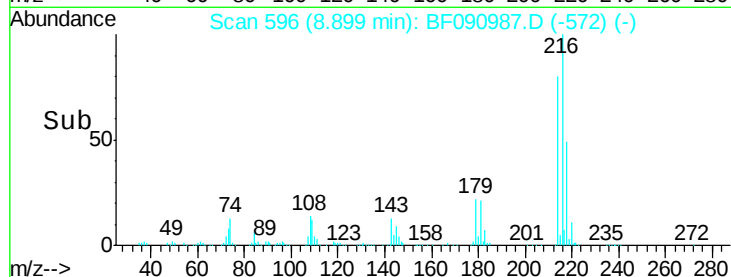
Tgt Ion:	216	Resp:	621207
Ion Ratio	Lower	Upper	
216	100		
214	80.1	63.5	95.3
179	22.5	16.6	24.8
108	20.8	16.3	24.5

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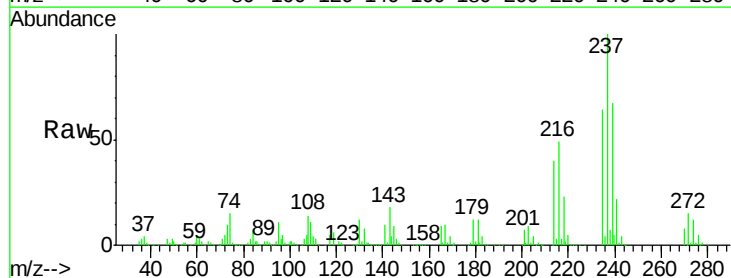


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

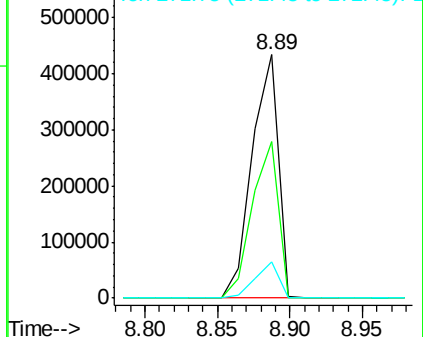
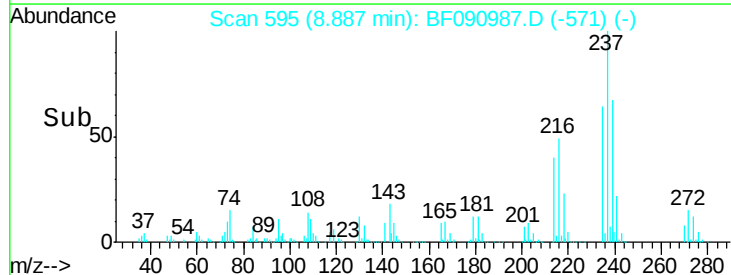


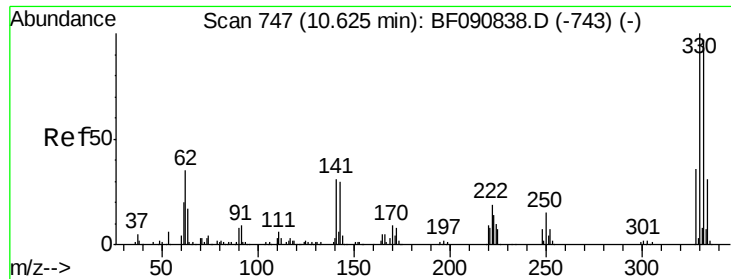
#40
 Hexachlorocyclopentadiene
 Concen: 104.46 ng
 RT: 8.89 min Scan# 595
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion:	237	Resp:	544988
Ion Ratio	Lower	Upper	
237	100		
235	64.3	42.0	82.0
272	14.9	0.0	36.1



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E





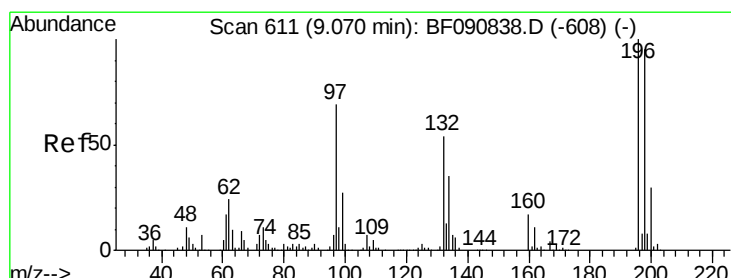
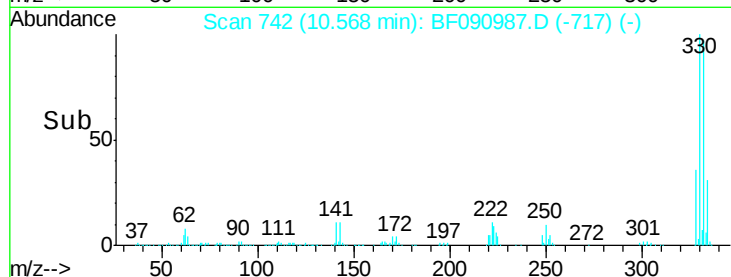
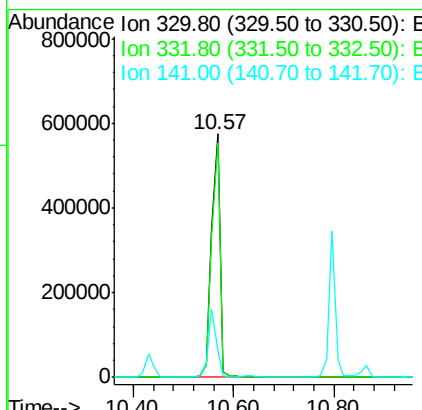
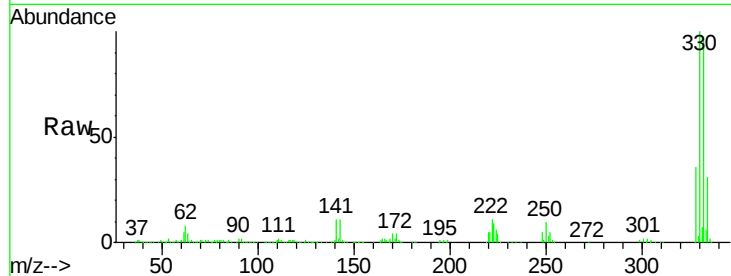
#41
 2,4,6-Tribromophenol
 Concen: 160.51 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.01 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampled :
 SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	681882		
332	95.7	76.6	114.8	
141	27.3	29.7	44.5#	

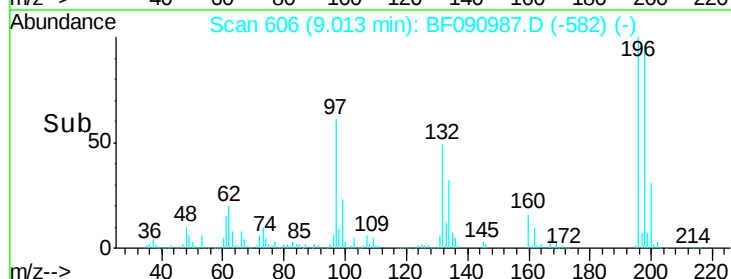
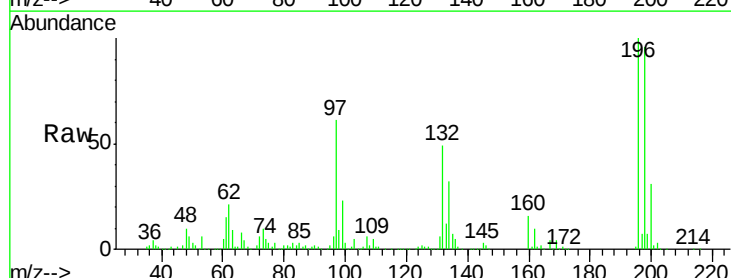
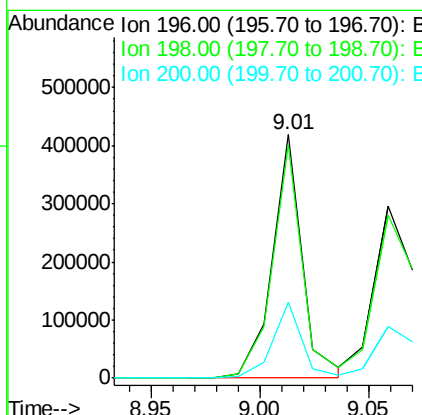
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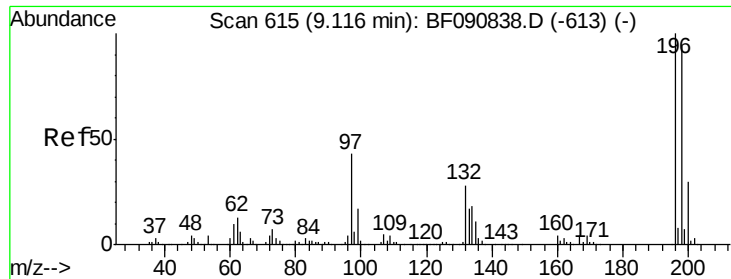
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#42
 2,4,6-Trichlorophenol
 Concen: 55.20 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	404159		
198	95.6	75.7	113.5	
200	31.1	23.9	35.9	





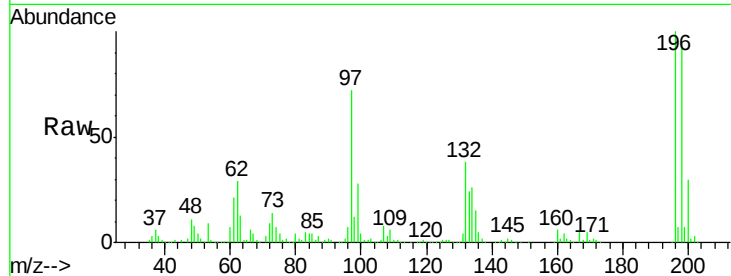
#43
 2,4,5-Trichlorophenol
 Concen: 51.66 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

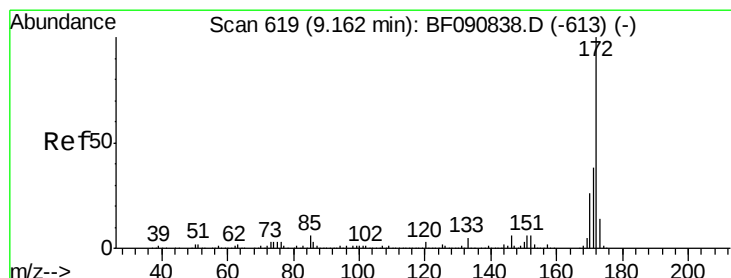
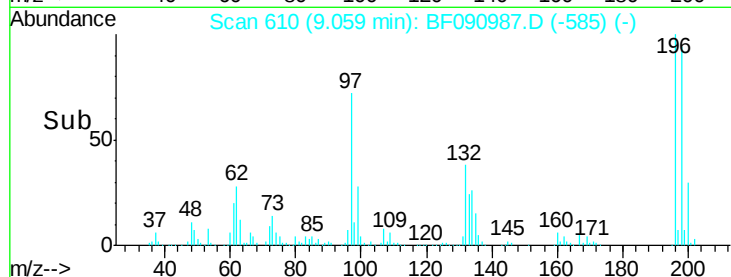
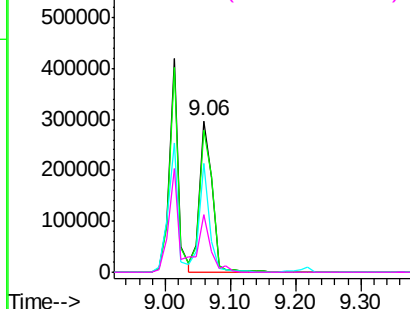
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	389550		
198	94.3	75.4	113.0	
97	72.0	33.3	49.9	
132	38.3	24.6	37.0	

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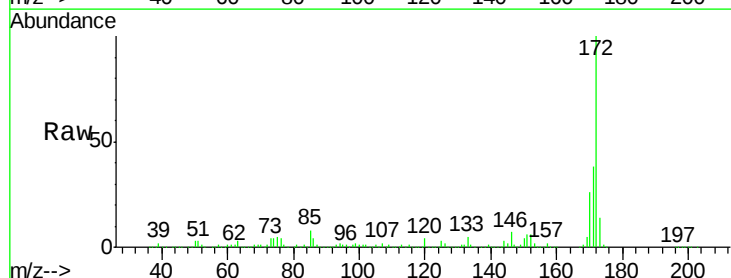


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

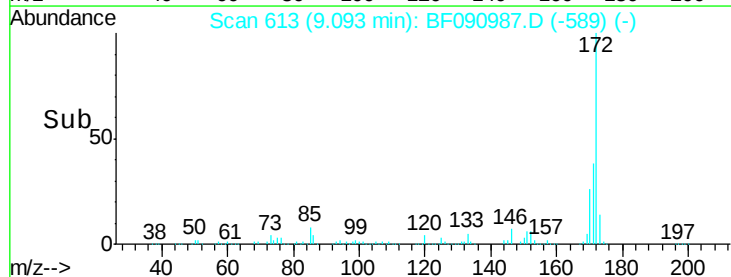
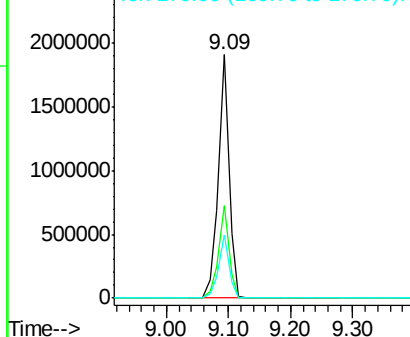


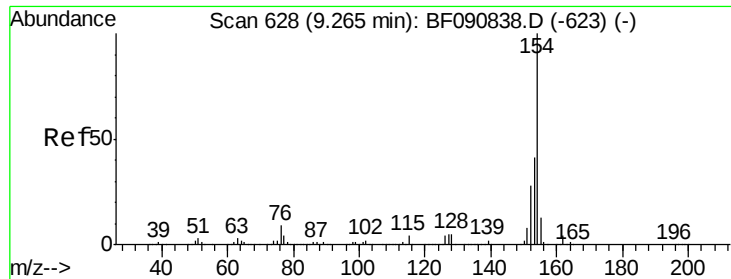
#44
 2-Fluorobiphenyl
 Concen: 95.86 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2256633		
171	37.8	26.1	39.1	
170	26.0	17.4	26.2	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





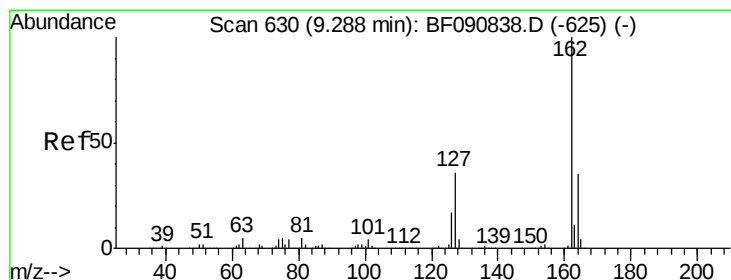
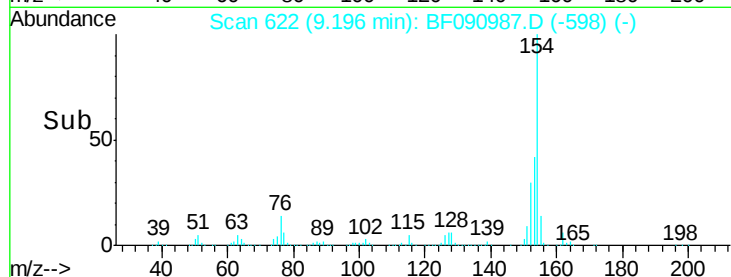
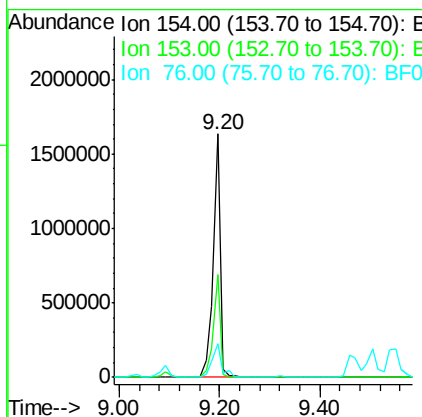
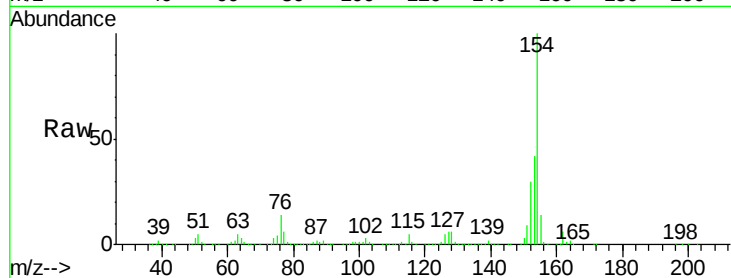
#45
 1,1'-Biphenyl
 Concen: 53.73 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

Tgt Ion:154 Resp: 1599742
 Ion Ratio Lower Upper
 154 100
 153 42.3 17.1 57.1
 76 13.8 0.0 31.6

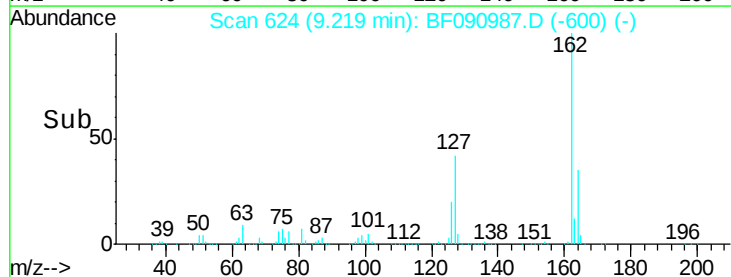
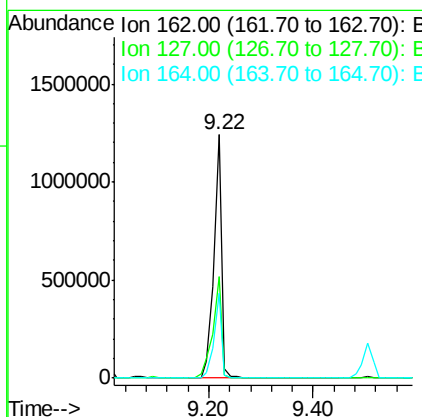
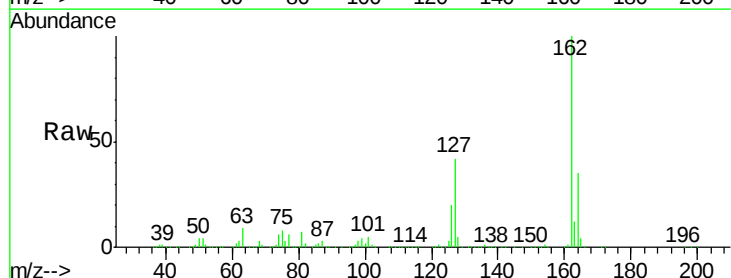
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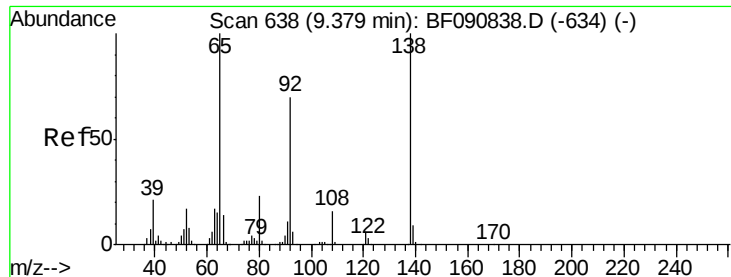
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#46
 2-Chloronaphthalene
 Concen: 57.06 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion:162 Resp: 1292422
 Ion Ratio Lower Upper
 162 100
 127 41.9 27.6 41.4#
 164 34.6 25.4 38.2





#47

2-Nitroaniline

Concen: 75.43 ng

RT: 9.32 min Scan# 633

Delta R.T. -0.01 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Instrument :

BNA_F

ClientSampleId :

SB-91-24.5-25.0MSD

Tgt Ion: 65 Resp: 482062
Ion Ratio Lower Upper

65 100

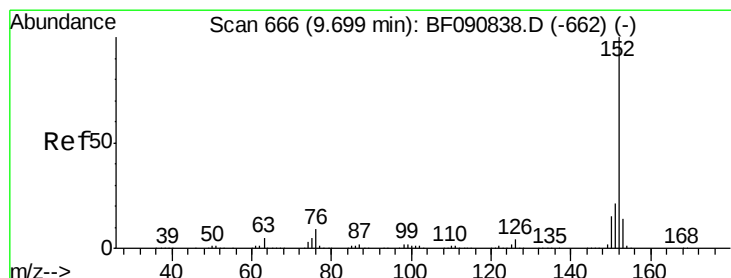
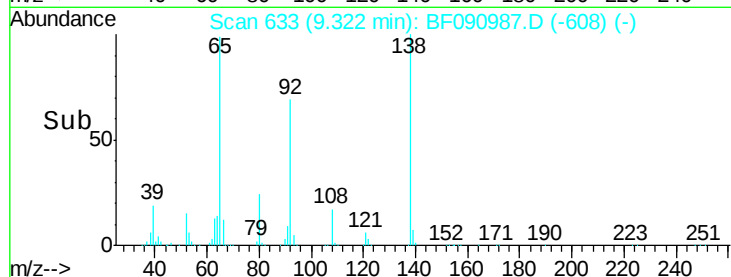
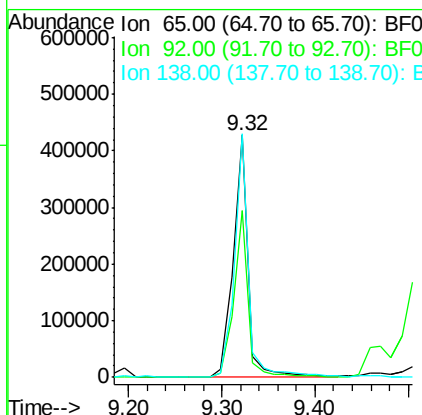
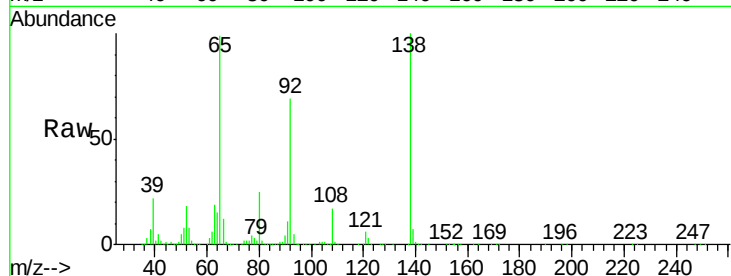
92 69.1 55.4 83.0

138 100.6 115.5 173.3#

Manual Integrations
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#48

Acenaphthylene

Concen: 51.58 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.02 min

Lab File: BF090987.D

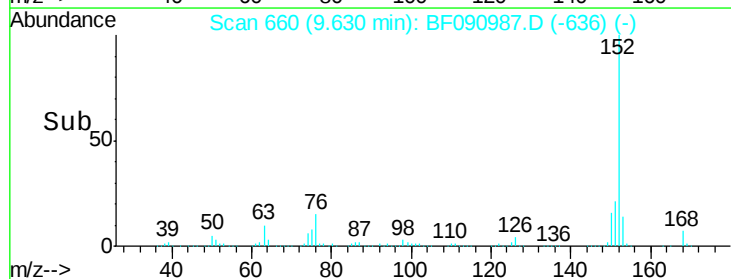
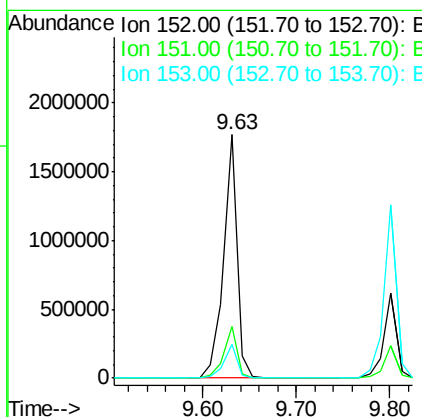
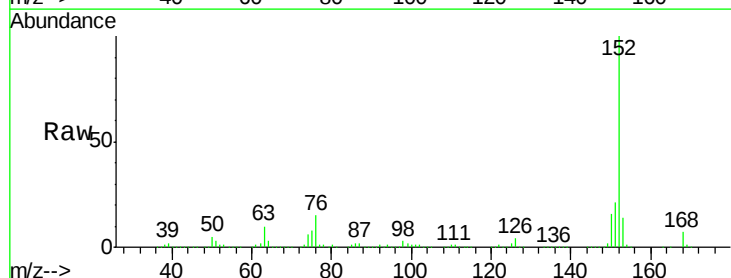
Acq: 2 Nov 2016 18:40

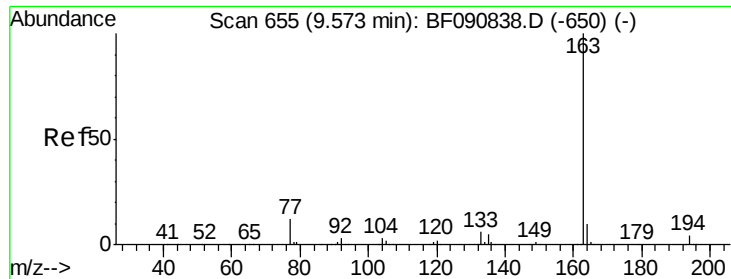
Tgt Ion: 152 Resp: 1768990
Ion Ratio Lower Upper

152 100

151 21.4 14.6 22.0

153 14.0 10.3 15.5





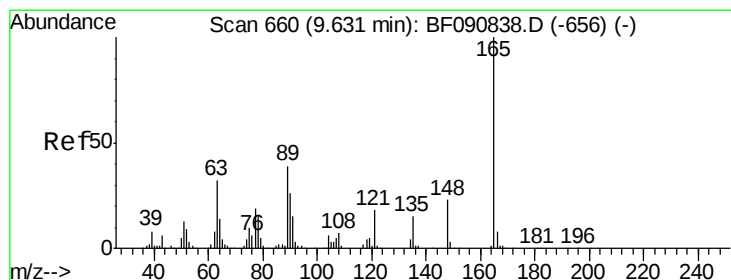
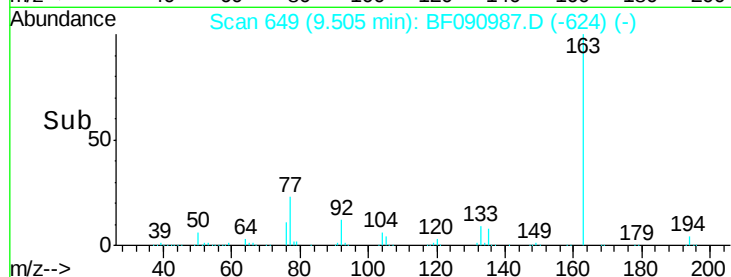
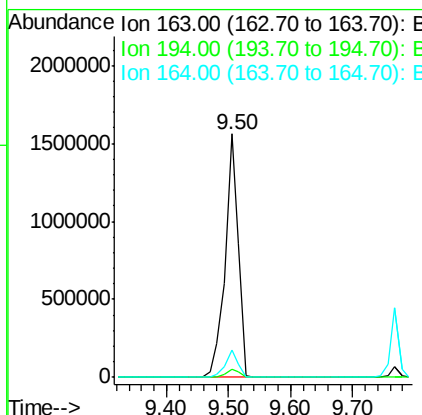
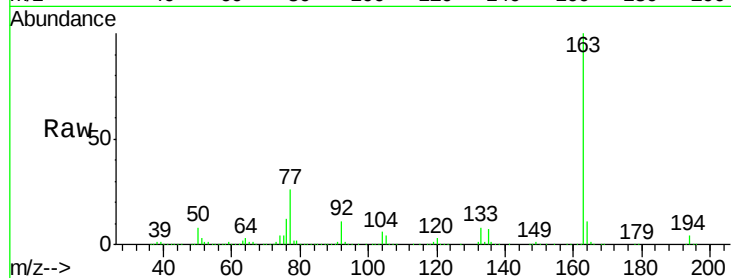
#49
Dimethylphthalate
Concen: 82.22 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Instrument :
BNA_F
ClientSampleId :
SB-91-24.5-25.0MSD

Tgt Ion:163 Resp: 2270809
Ion Ratio Lower Upper
163 100
194 3.5 4.4 6.6#
164 11.2 8.3 12.5

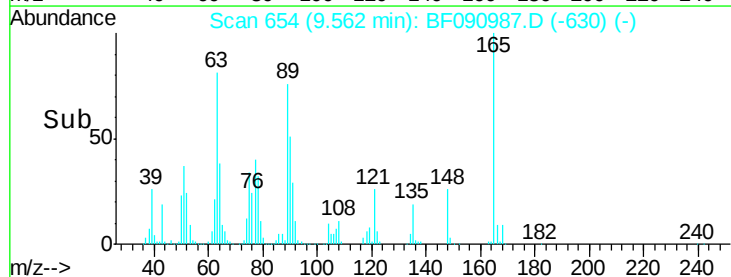
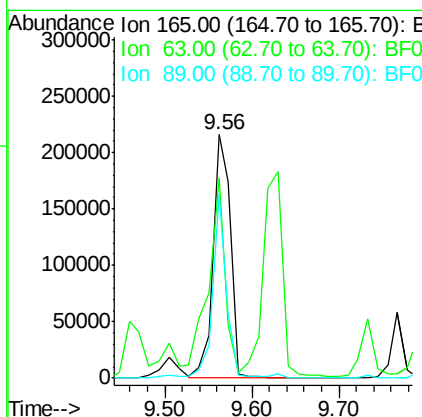
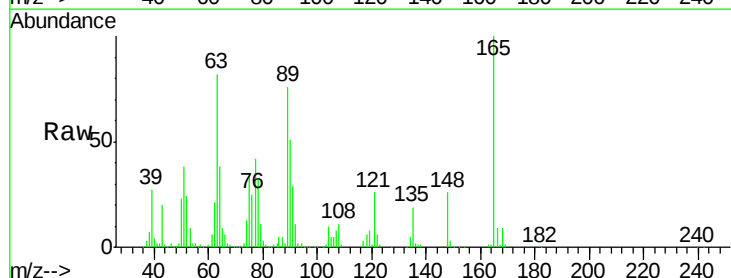
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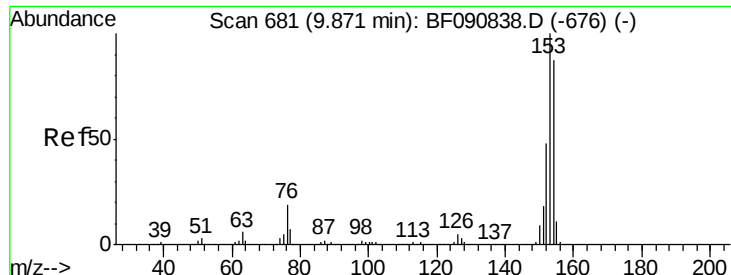
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#50
2,6-Dinitrotoluene
Concen: 50.13 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.02 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Tgt Ion:165 Resp: 305750
Ion Ratio Lower Upper
165 100
63 82.0 32.3 48.5#
89 75.5 28.6 43.0#





#51

Acenaphthene

Concen: 44.17 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.02 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Instrument :

BNA_F

ClientSampleId :

SB-91-24.5-25.0MSD

Tgt Ion:154 Resp: 1043280

Ion Ratio Lower Upper

154 100

153 113.9 82.1 123.1

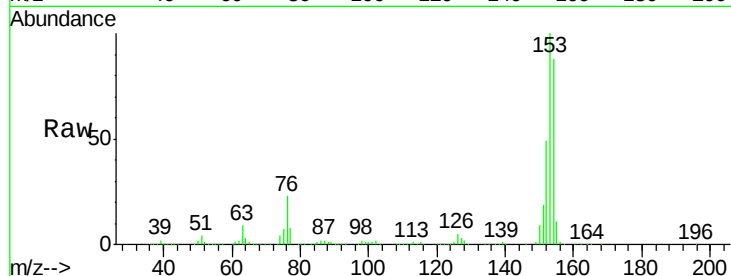
152 56.1 37.9 56.9

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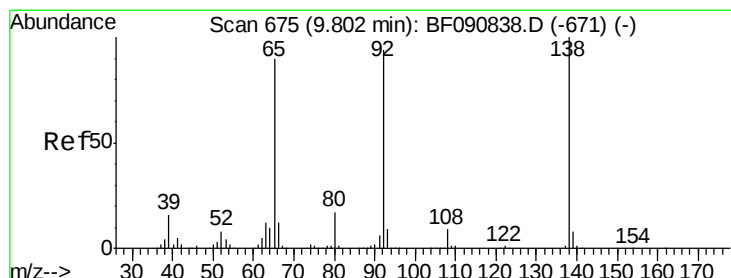
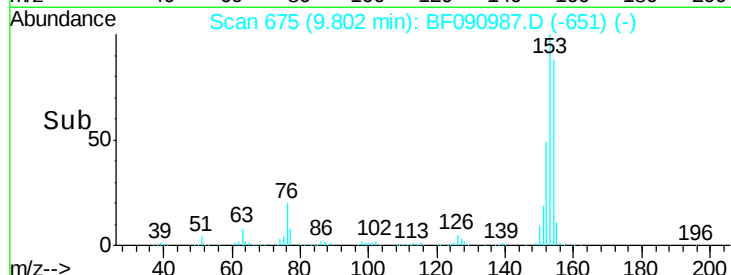
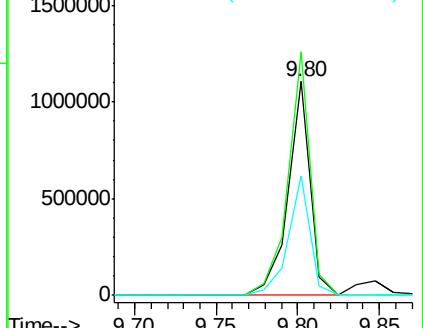
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 40.65 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.01 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

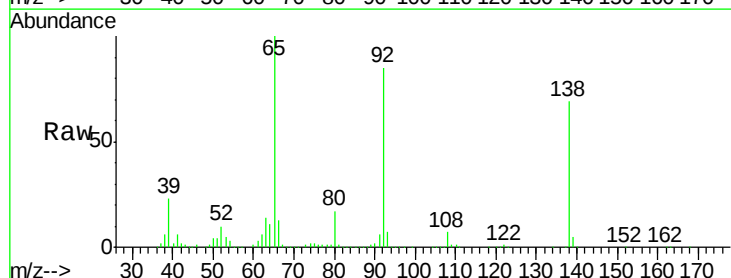
Tgt Ion:138 Resp: 263952

Ion Ratio Lower Upper

138 100

108 10.3 5.7 8.5#

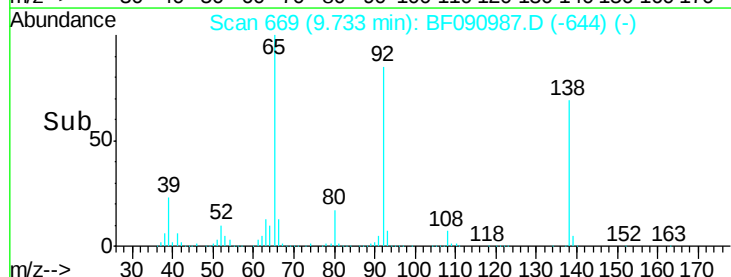
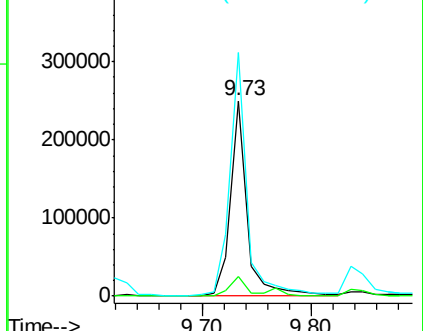
92 124.5 67.7 101.5#

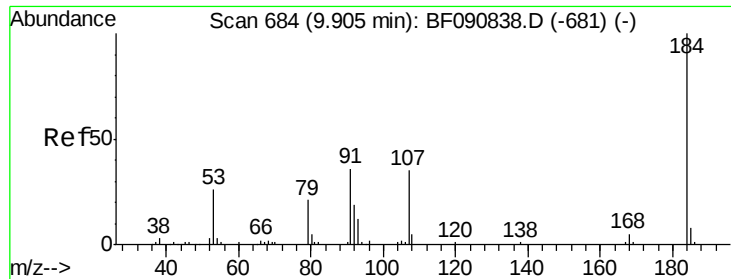


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





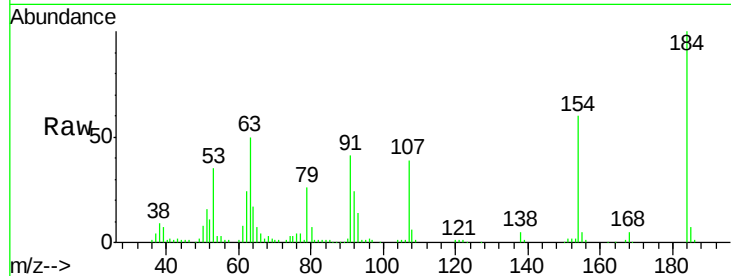
#53
 2,4-Dinitrophenol
 Concen: 50.14 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

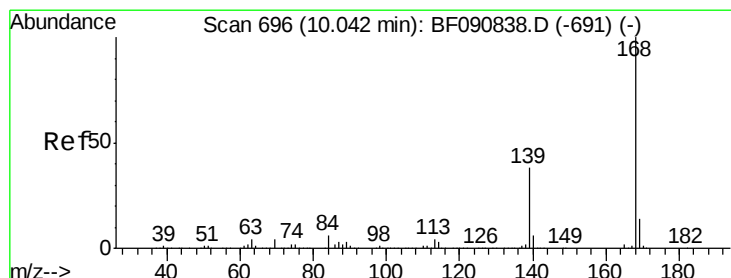
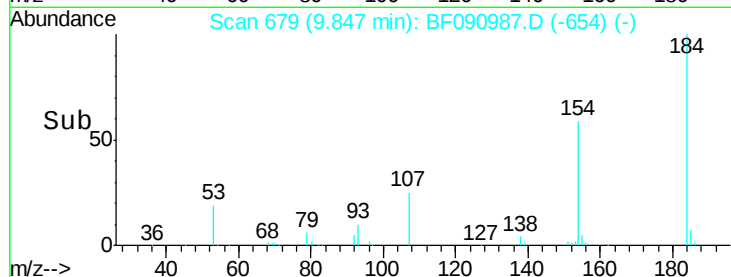
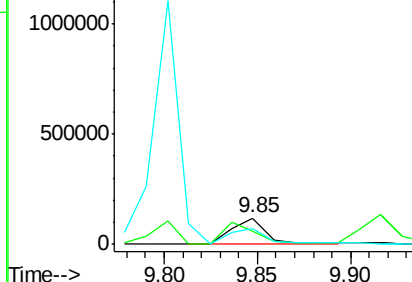
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	161002		
63	50.5	35.4	53.2	
154	59.8	32.2	48.4	

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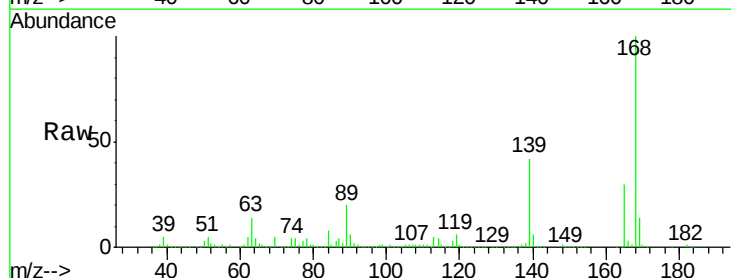


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

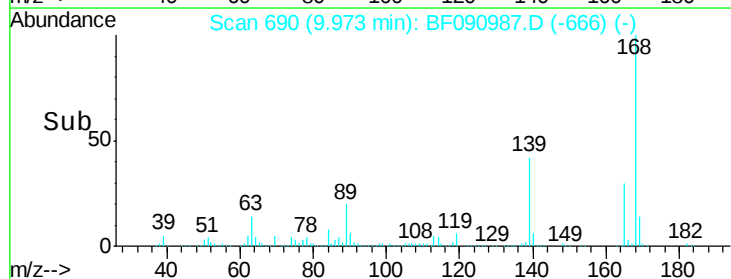
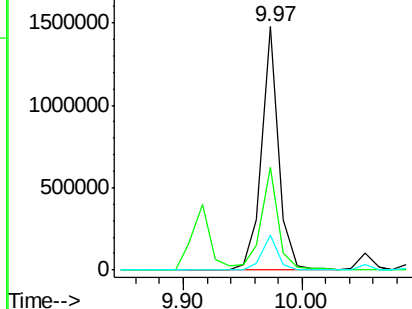


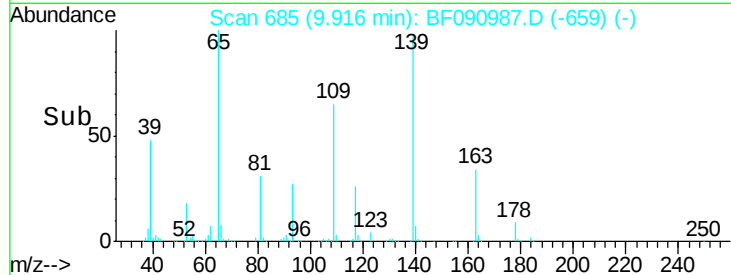
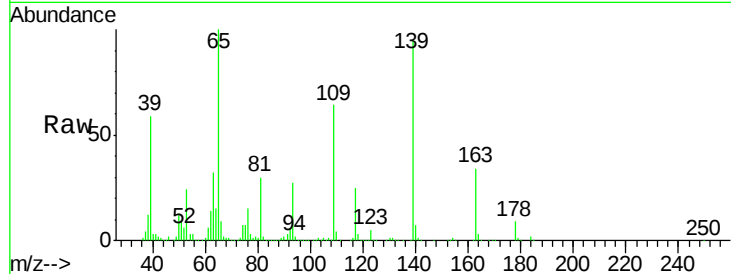
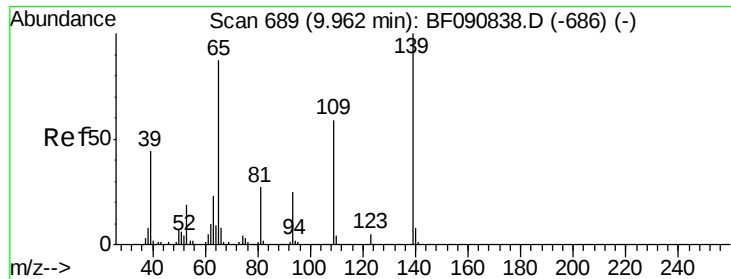
#54
 Dibenzofuran
 Concen: 48.70 ng
 RT: 9.97 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1484310		
139	42.1	24.2	36.2	
169	14.3	10.6	15.8	



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





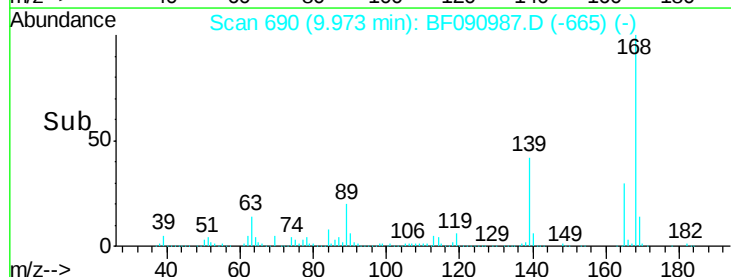
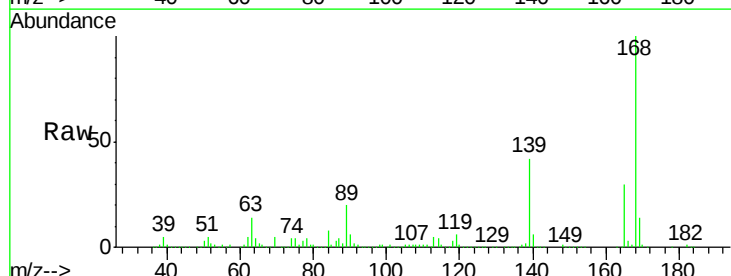
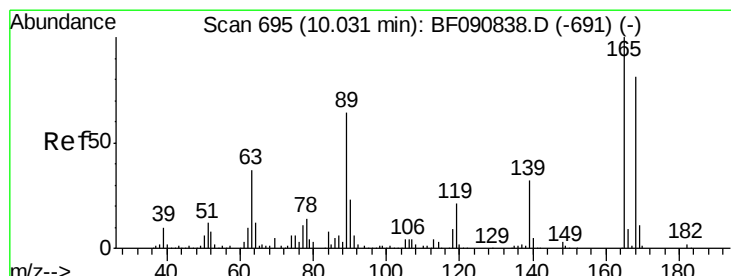
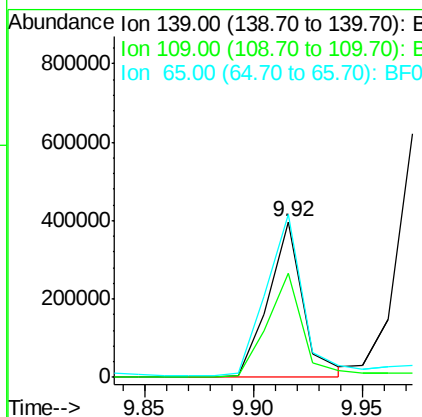
#55
4-Nitrophenol
Concen: 112.07 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.00 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	443809		
109	67.3	12.7	52.7#	
65	104.9	45.9	85.9#	

Instrument :
BNA_F
ClientSampleId :
SB-91-24.5-25.0MSD

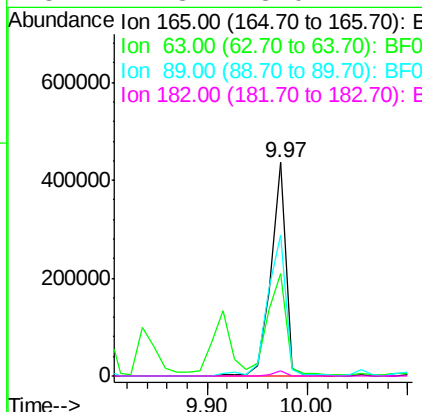
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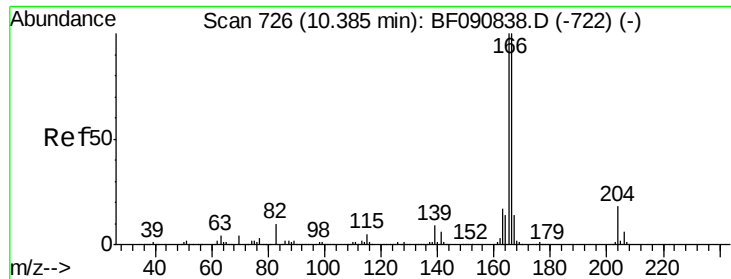
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#56
2,4-Dinitrotoluene
Concen: 59.45 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	450427		
63	47.7	29.8	44.6#	
89	66.1	44.5	66.7	
182	2.3	3.0	4.4#	





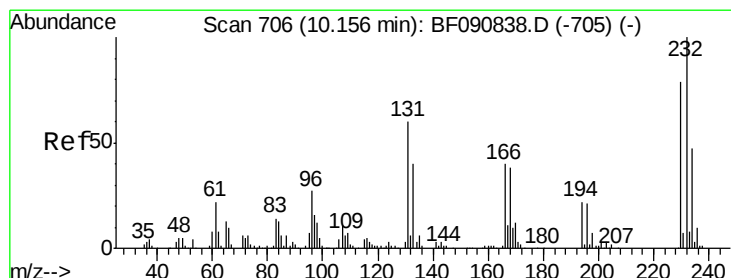
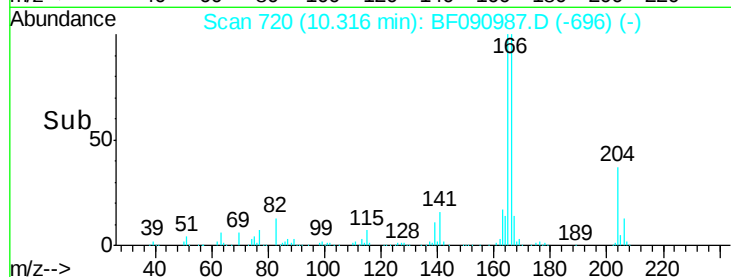
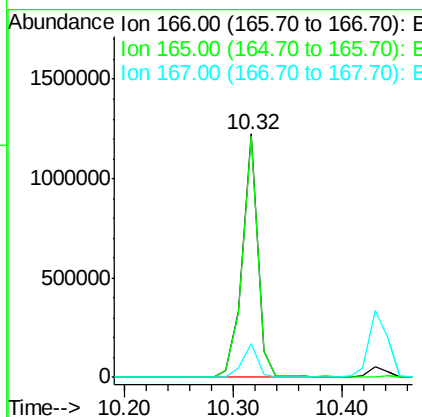
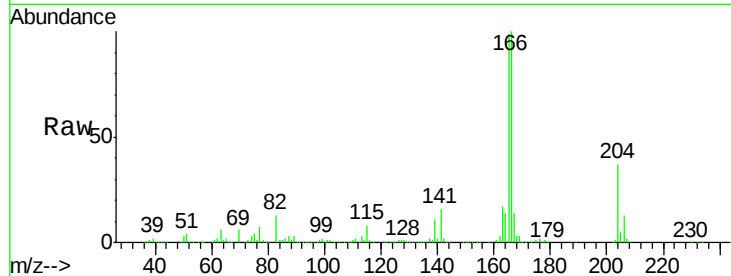
#57
Fluorene
 Concen: 48.04 ng
 RT: 10.32 min Scan# 720
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

Tgt Ion:166 Resp: 1199434
 Ion Ratio Lower Upper
 166 100
 165 98.8 72.6 109.0
 167 14.1 10.6 16.0

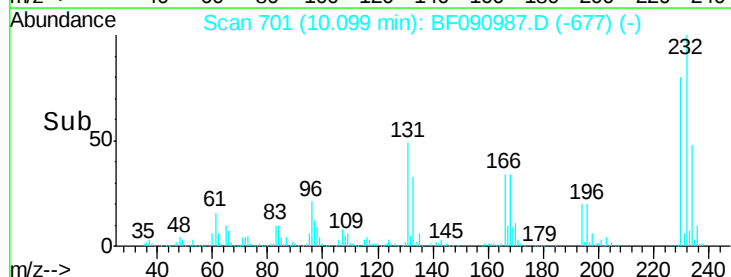
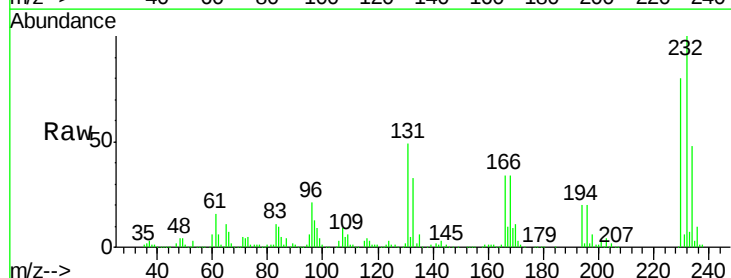
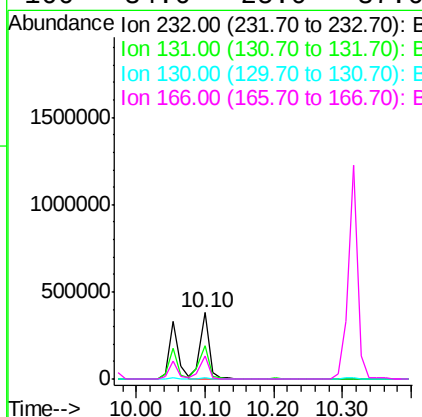
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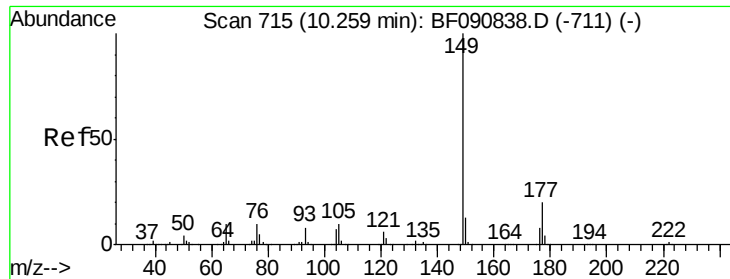
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#58
2,3,4,6-Tetrachlorophenol
 Concen: 51.12 ng
 RT: 10.10 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion:232 Resp: 344212
 Ion Ratio Lower Upper
 232 100
 131 54.4 38.5 57.7
 130 2.5 1.8 2.6
 166 34.6 25.0 37.6





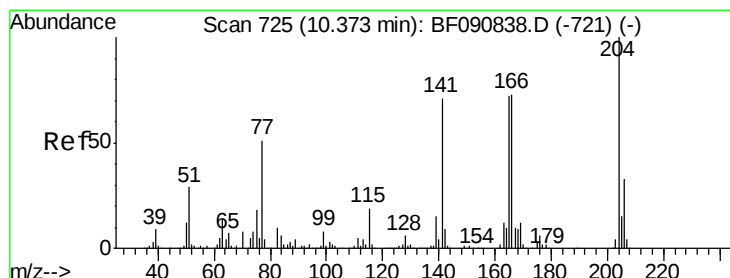
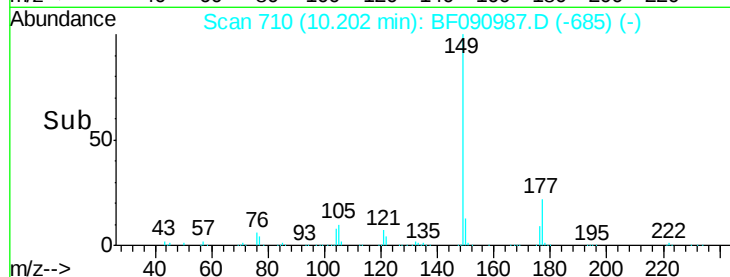
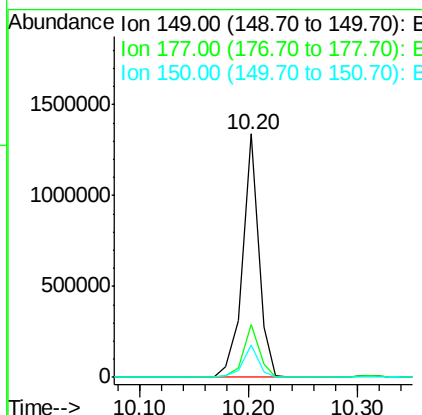
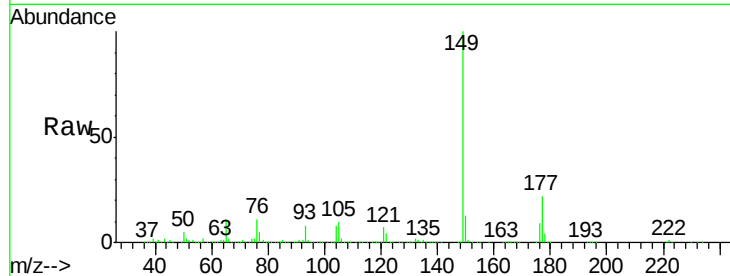
#59
Diethylphthalate
Concen: 50.42 ng
RT: 10.20 min Scan# 710
Delta R.T. -0.01 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Instrument :
BNA_F
ClientSampleId :
SB-91-24.5-25.0MSD

Tgt Ion:149 Resp: 1383175
Ion Ratio Lower Upper
149 100
177 21.6 17.5 26.3
150 13.2 9.4 14.2

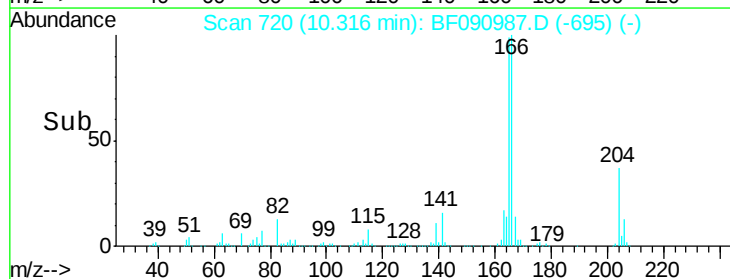
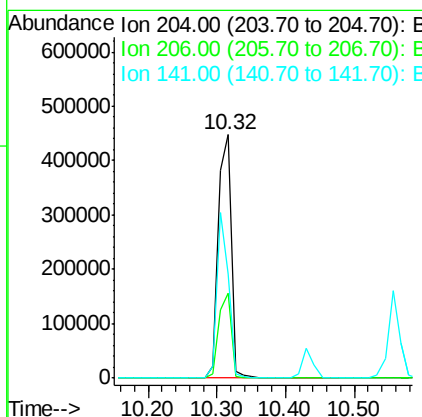
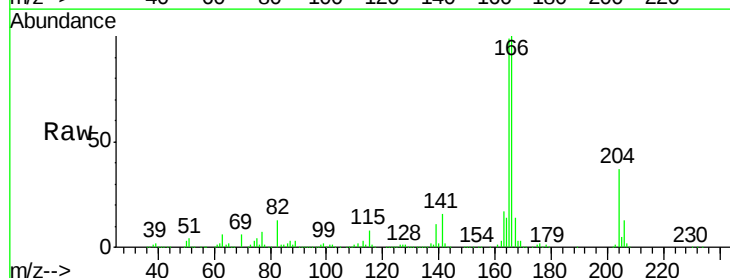
Manual Integrations
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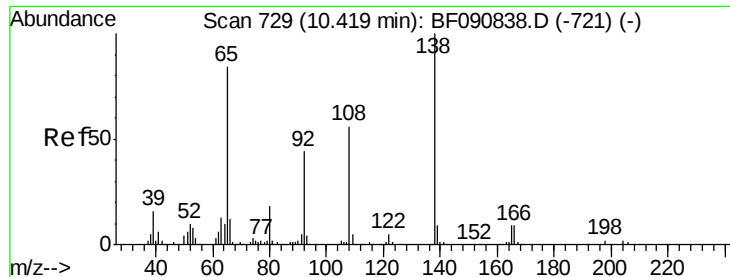
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#60
4-Chlorophenyl-phenylether
Concen: 49.37 ng
RT: 10.32 min Scan# 720
Delta R.T. -0.01 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Tgt Ion:204 Resp: 601697
Ion Ratio Lower Upper
204 100
206 34.7 24.8 37.2
141 42.8 42.2 63.4





#61

4-Nitroaniline

Concen: 48.40 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Instrument :

BNA_F

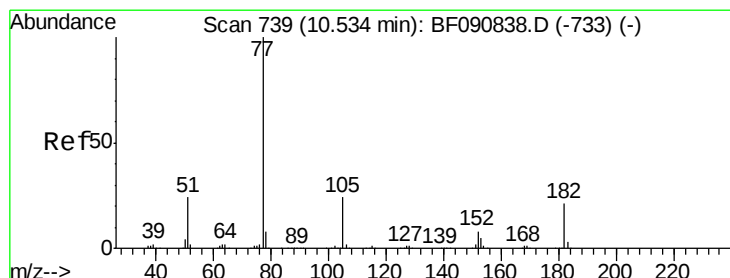
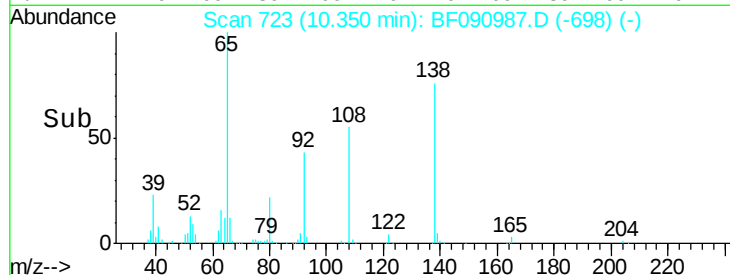
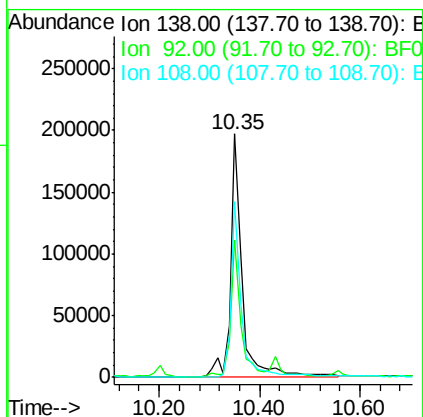
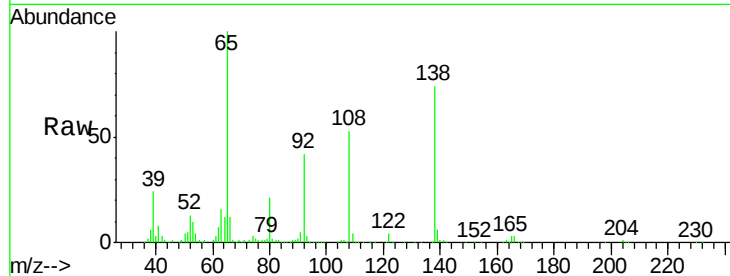
ClientSampleId :

SB-91-24.5-25.0MSD

Tgt Ion:	138	Resp:	311284
Ion Ratio	Lower	Upper	
138	100		
92	56.6	12.6	52.6#
108	72.2	12.4	52.4#

Manual Integrations
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#62

Azobenzene

Concen: 62.26 ng

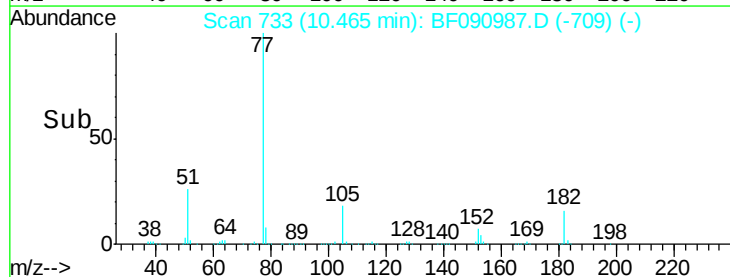
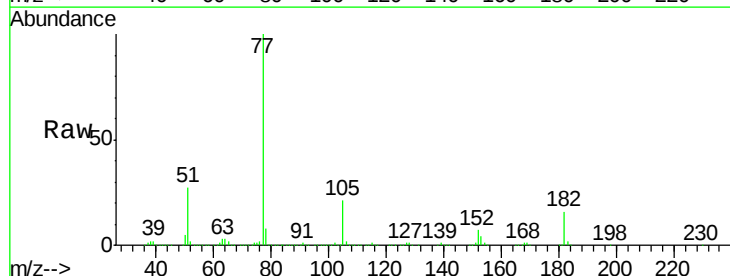
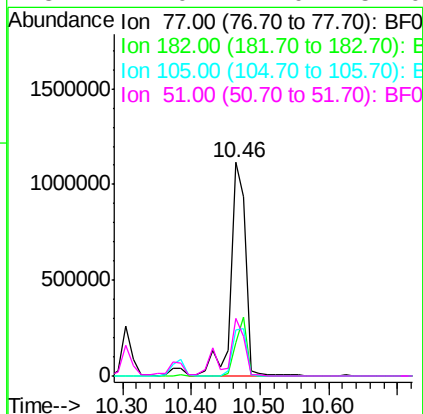
RT: 10.46 min Scan# 733

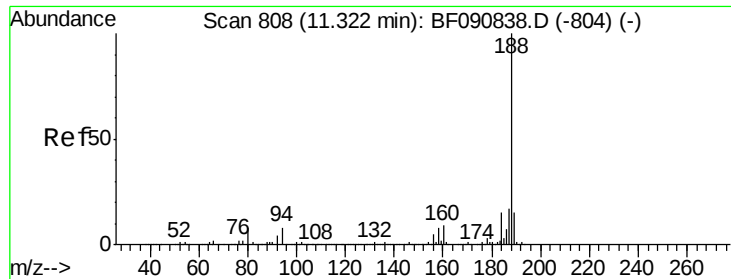
Delta R.T. -0.02 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Tgt Ion:	77	Resp:	1679449
Ion Ratio	Lower	Upper	
77	100		
182	15.6	15.1	55.1
105	21.3	3.4	43.4
51	27.0	12.0	52.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Instrument :

BNA_F

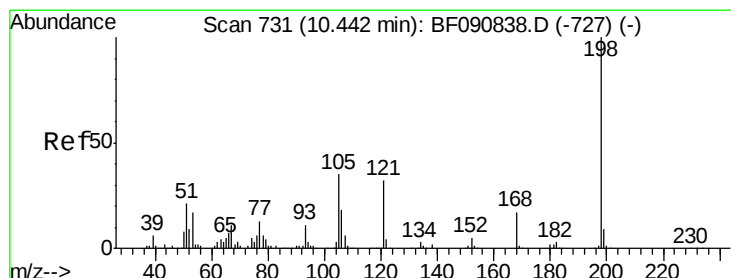
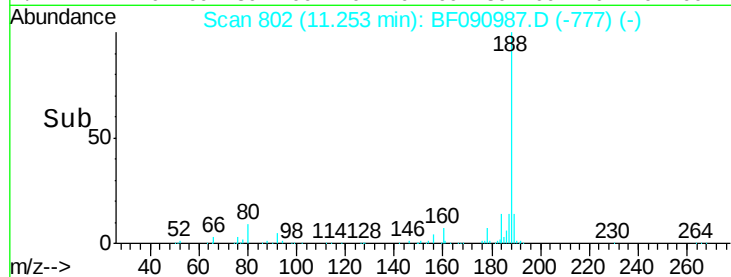
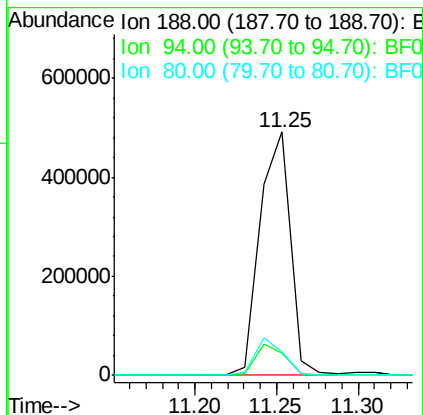
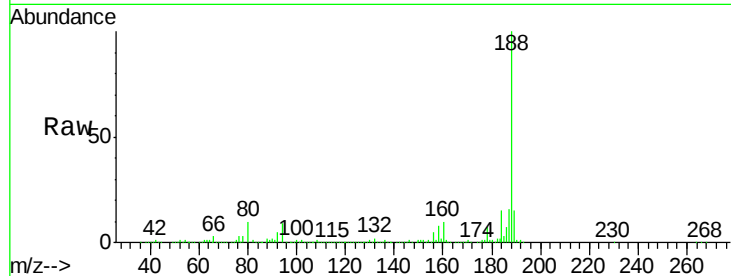
ClientSampleId :

SB-91-24.5-25.0MSD

Tgt Ion:	188	Resp:	639341
Ion Ratio	Lower	Upper	
188	100		
94	8.9	11.1	16.7#
80	9.8	11.0	16.4#

Manual Integrations
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#64

4,6-Dinitro-2-methylphenol

Concen: 52.86 ng

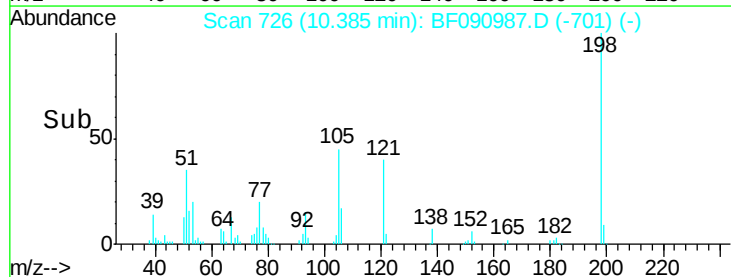
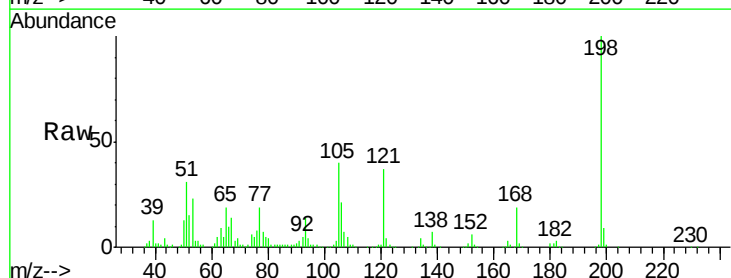
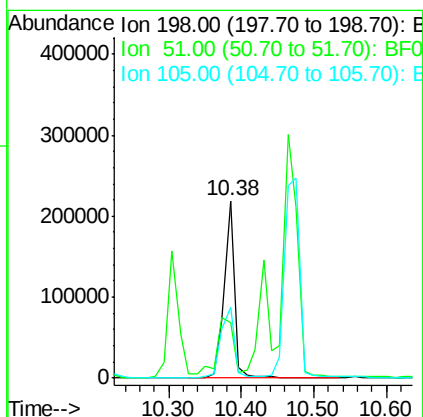
RT: 10.38 min Scan# 726

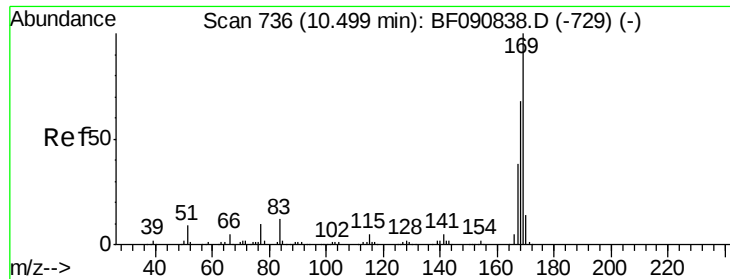
Delta R.T. -0.01 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Tgt Ion:	198	Resp:	224059
Ion Ratio	Lower	Upper	
198	100		
51	31.2	39.6	79.6#
105	39.7	28.5	68.5





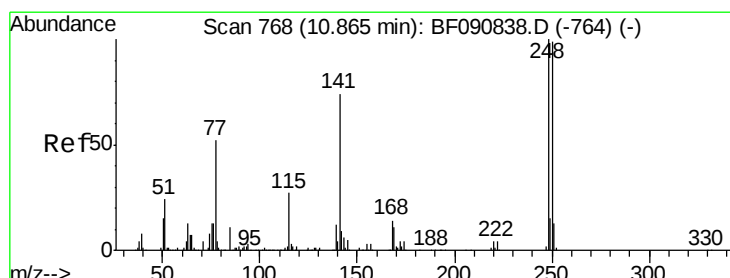
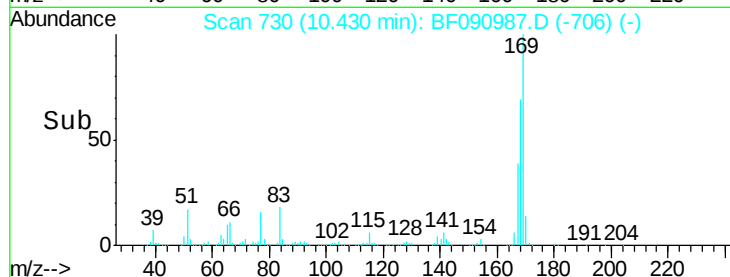
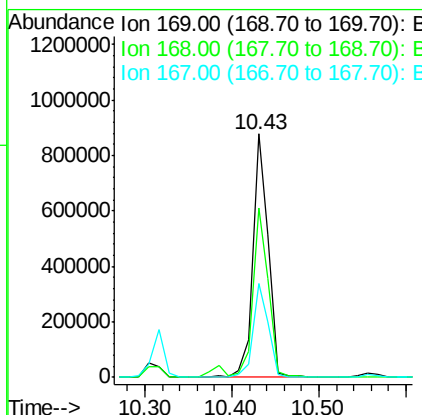
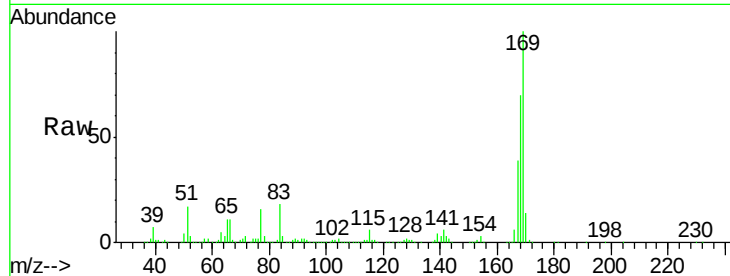
#65
n-Nitrosodiphenylamine
Concen: 55.87 ng
RT: 10.43 min Scan# 730
Delta R.T. -0.02 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Instrument :
BNA_F
ClientSampleId :
SB-91-24.5-25.0MSD

Tgt Ion:169 Resp: 1094236
Ion Ratio Lower Upper
169 100
168 69.5 48.9 73.3
167 38.6 26.2 39.4

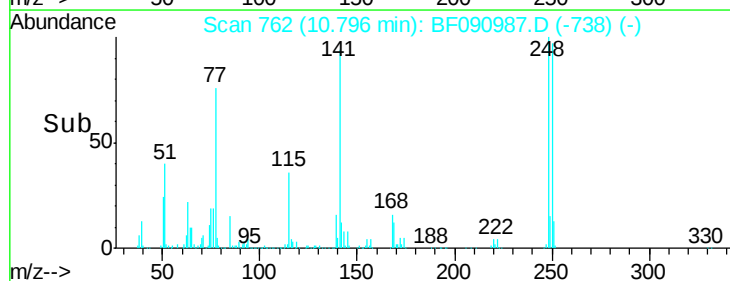
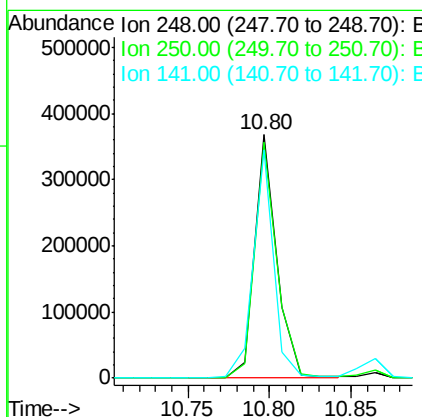
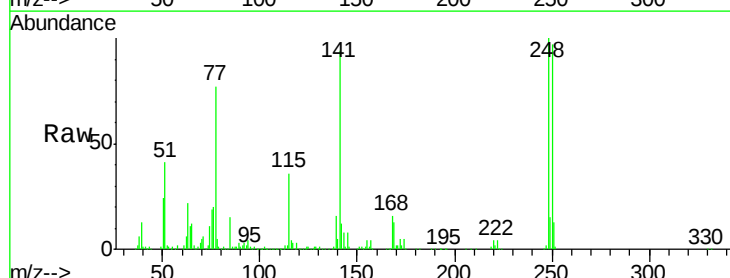
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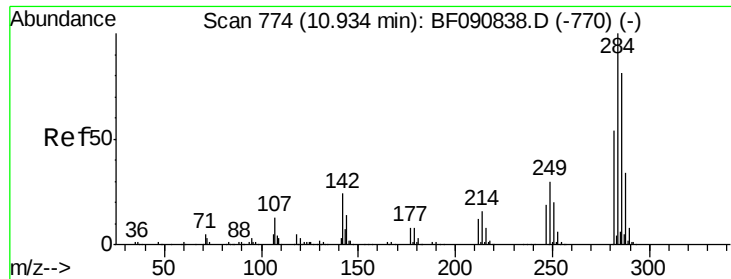
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#66
4-Bromophenyl-phenylether
Concen: 49.96 ng
RT: 10.80 min Scan# 762
Delta R.T. -0.02 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Tgt Ion:248 Resp: 349788
Ion Ratio Lower Upper
248 100
250 96.7 78.5 117.7
141 93.8 59.0 88.6#





#67

Hexachlorobenzene

Concen: 51.54 ng

RT: 10.86 min Scan# 768

Delta R.T. -0.02 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Instrument :

BNA_F

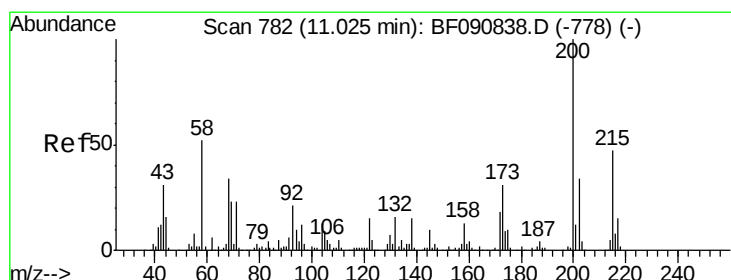
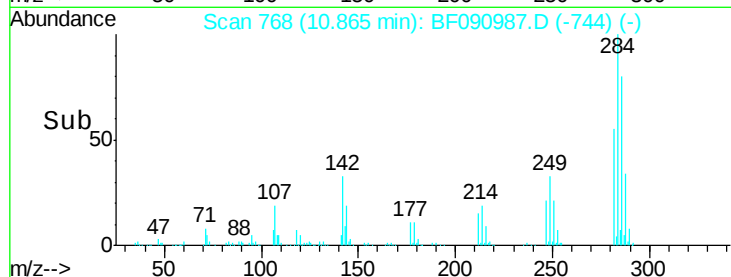
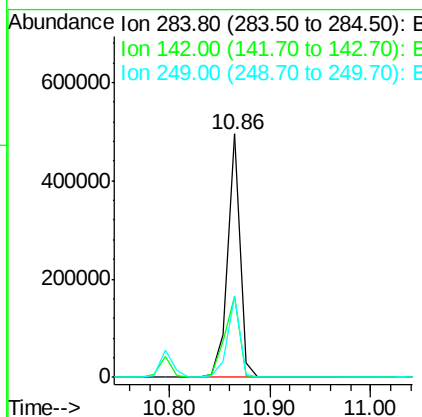
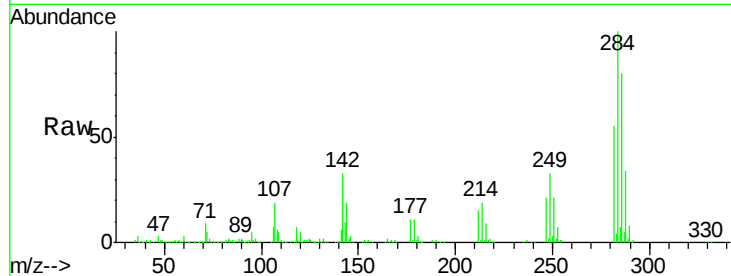
ClientSampleId :

SB-91-24.5-25.0MSD

Tgt Ion:	284	Resp:	427074
Ion Ratio		Lower	Upper
284	100		
142	33.1	29.5	44.3
249	33.1	19.5	29.3

Manual Integrations
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#68

Atrazine

Concen: 54.84 ng

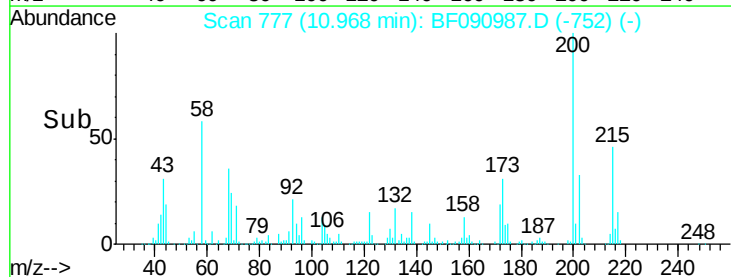
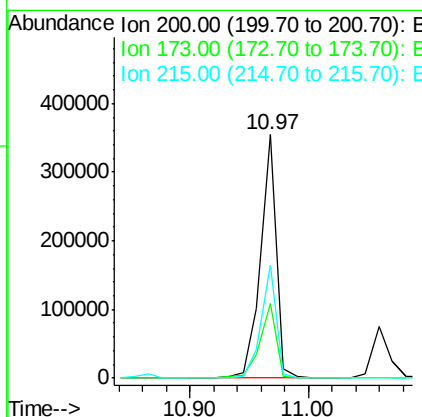
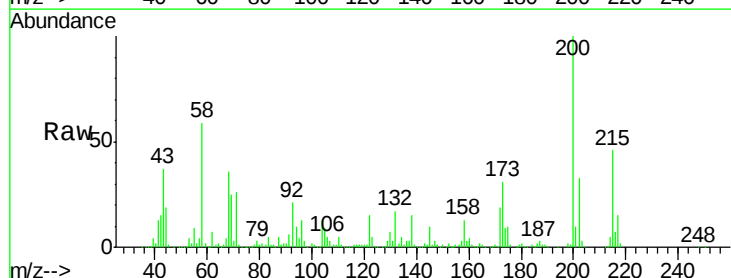
RT: 10.97 min Scan# 777

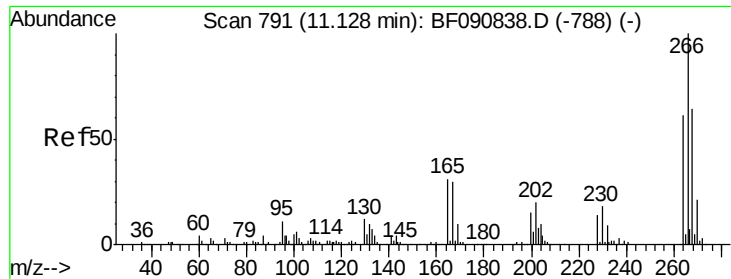
Delta R.T. -0.01 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Tgt Ion:	200	Resp:	332236
Ion Ratio		Lower	Upper
200	100		
173	30.7	13.2	53.2
215	46.4	41.8	81.8





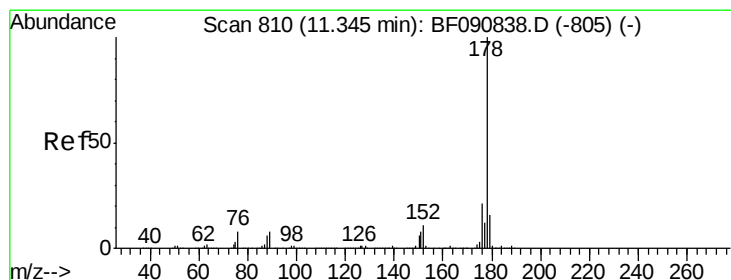
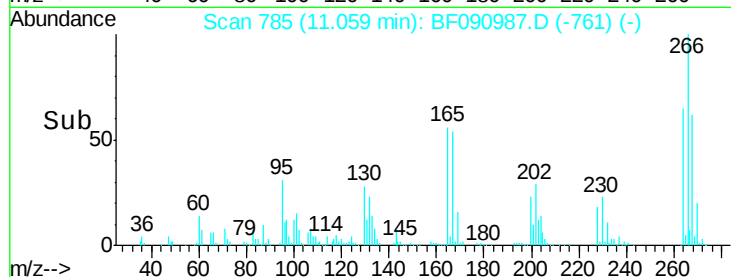
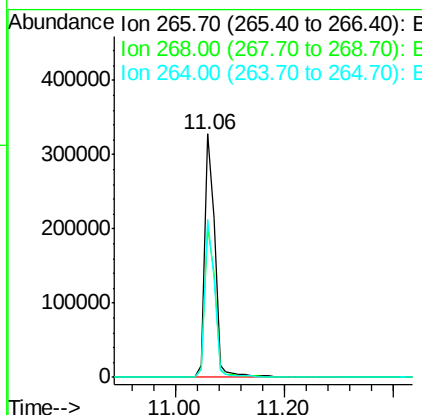
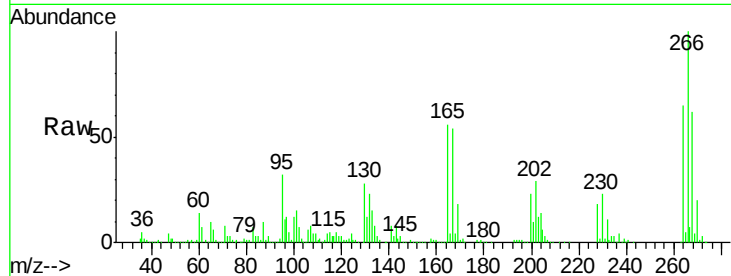
#69
 Pentachlorophenol
 Concen: 94.58 ng
 RT: 11.06 min Scan# 785
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	420425		
268	61.8	49.8	74.6	
264	64.9	50.2	75.2	

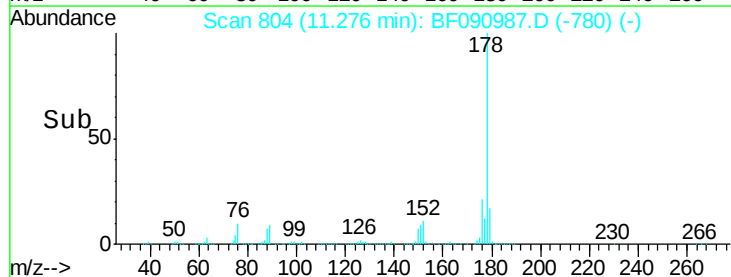
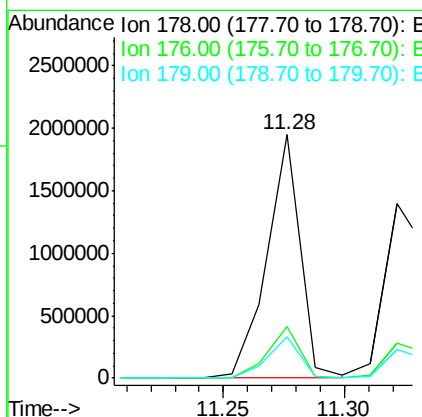
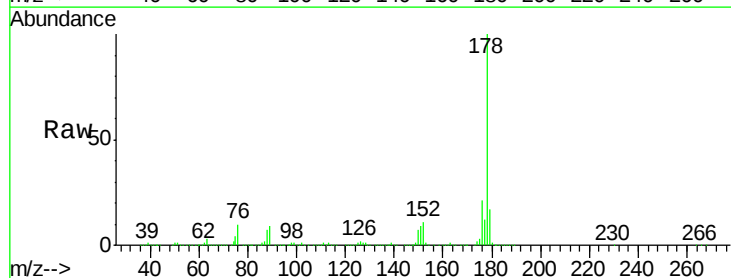
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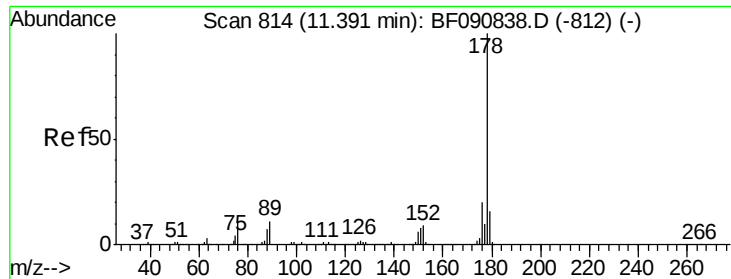
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#70
 Phenanthrene
 Concen: 56.61 ng m
 RT: 11.28 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1843106		
176	21.4	13.8	20.8#	
179	16.8	12.2	18.2	





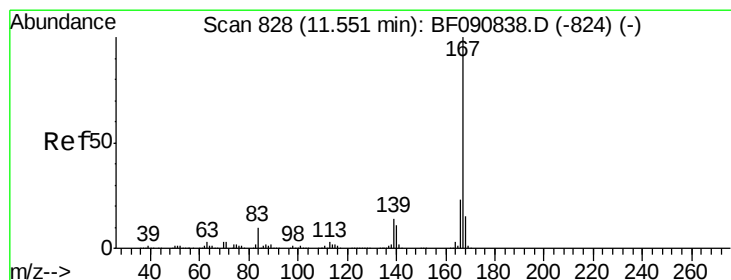
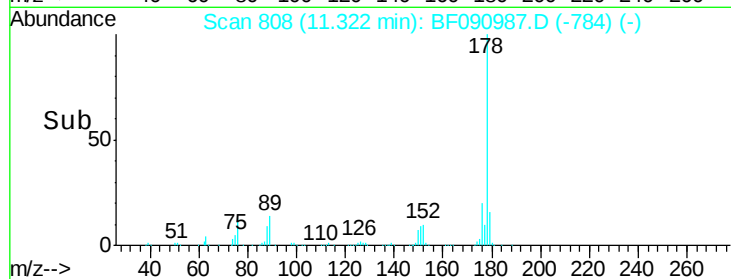
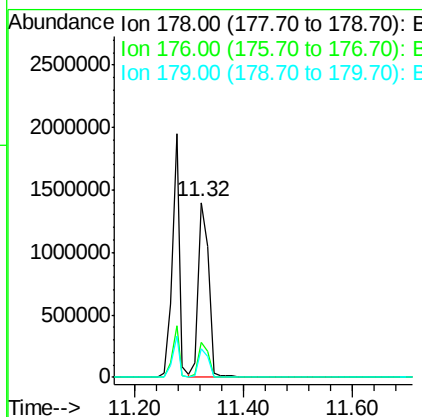
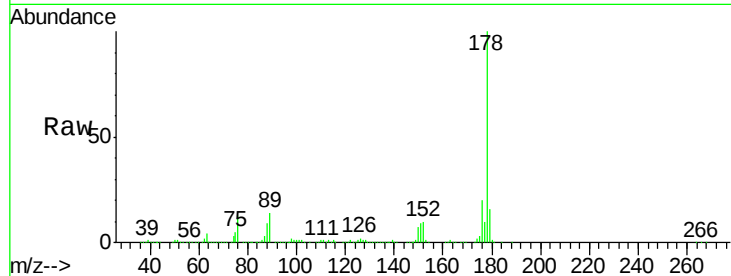
#71
 Anthracene
 Concen: 53.24 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

Tgt Ion:178 Resp: 1825324
 Ion Ratio Lower Upper
 178 100
 176 19.9 14.1 21.1
 179 16.4 12.2 18.2

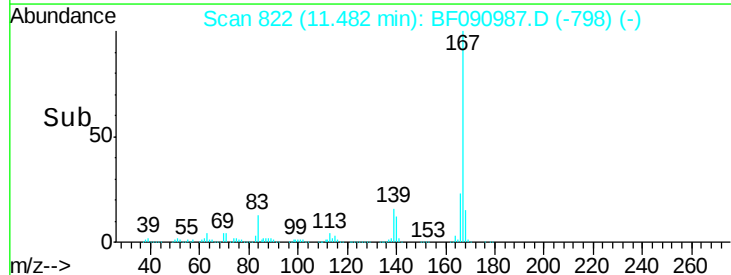
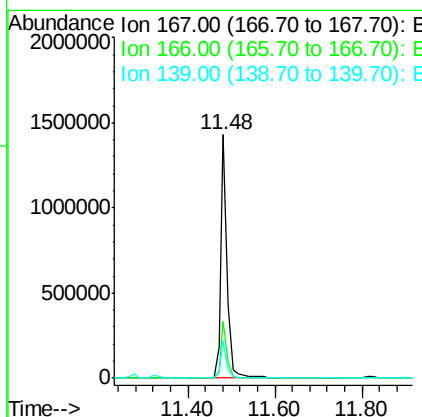
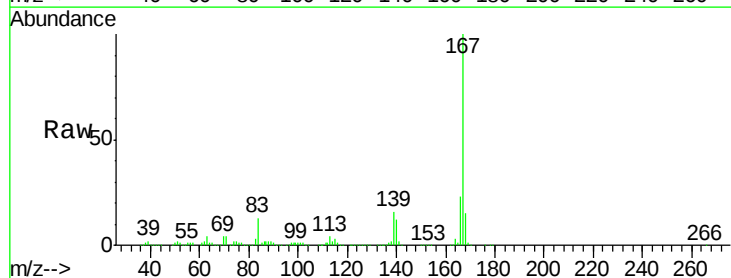
Manual Integrations
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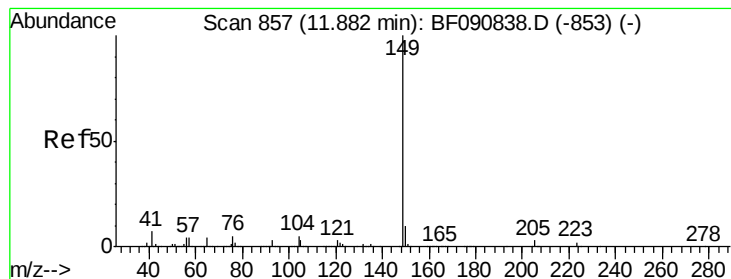
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#72
 Carbazole
 Concen: 49.96 ng
 RT: 11.48 min Scan# 822
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion:167 Resp: 1512667
 Ion Ratio Lower Upper
 167 100
 166 23.3 15.7 23.5
 139 15.7 9.5 14.3#





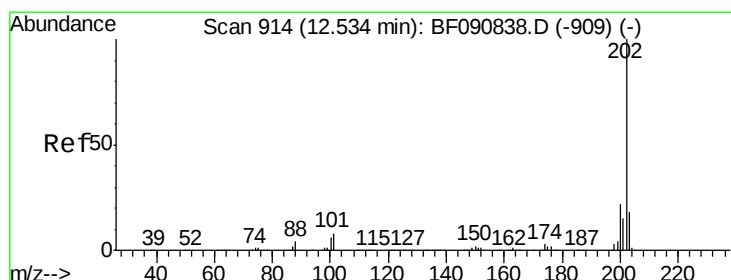
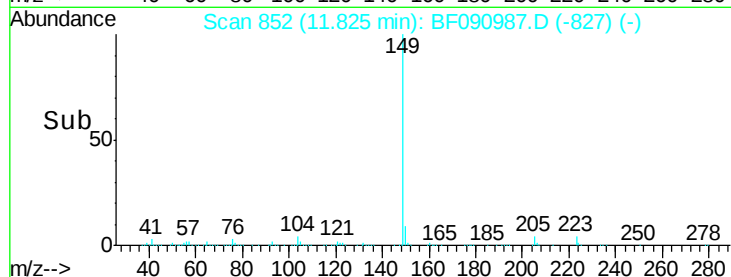
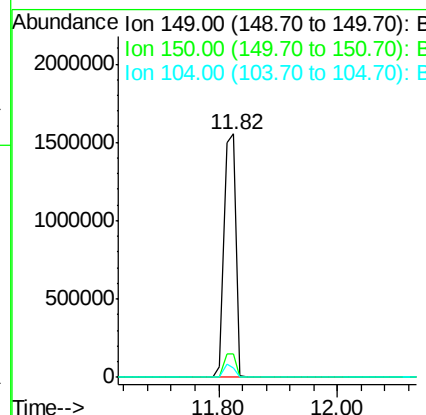
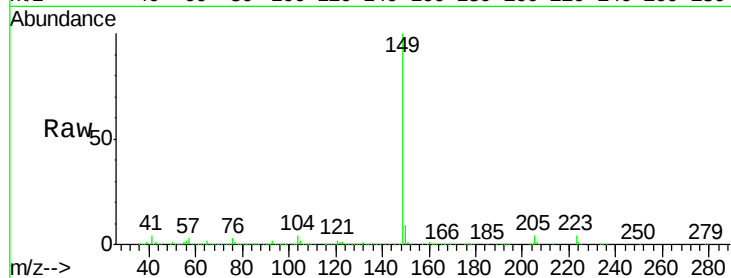
#73
Di-n-butylphthalate
Concen: 55.50 ng
RT: 11.82 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Instrument :
BNA_F
ClientSampleId :
SB-91-24.5-25.0MSD

Tgt Ion:149 Resp: 2165973
Ion Ratio Lower Upper
149 100
150 9.5 7.4 11.2
104 4.1 2.4 3.6#

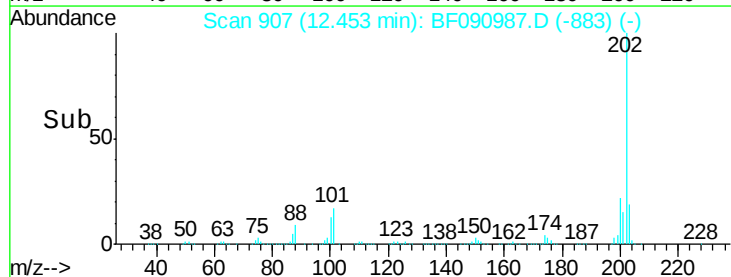
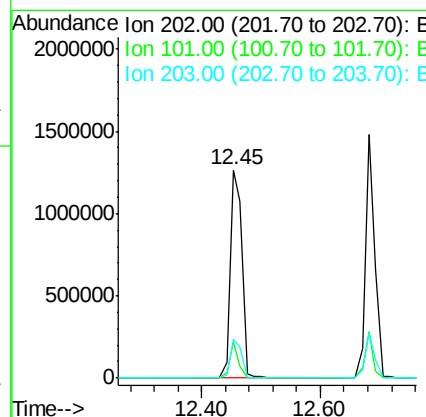
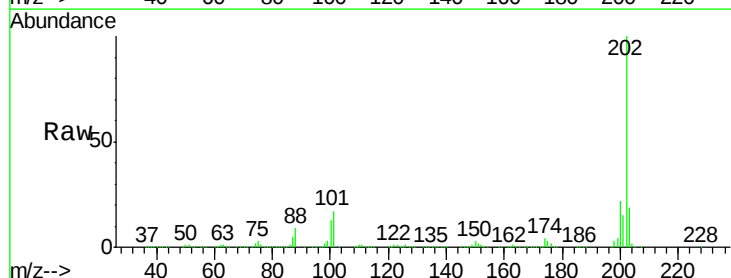
Manual Integrations
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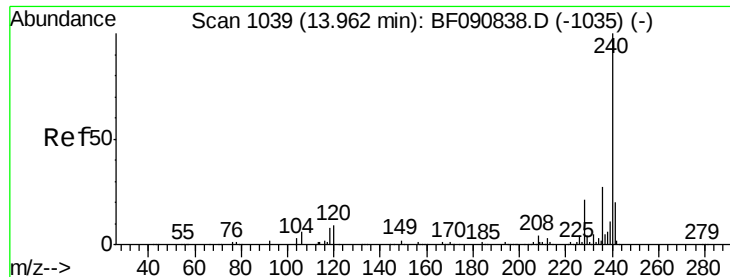
Umangi
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#74
Fluoranthene
Concen: 48.37 ng
RT: 12.45 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Tgt Ion:202 Resp: 1724449
Ion Ratio Lower Upper
202 100
101 17.3 0.0 38.3
203 18.8 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Instrument :

BNA_F

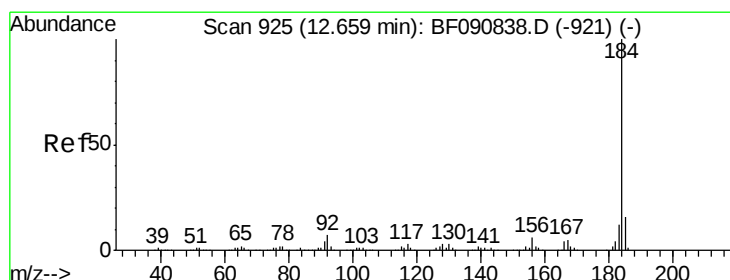
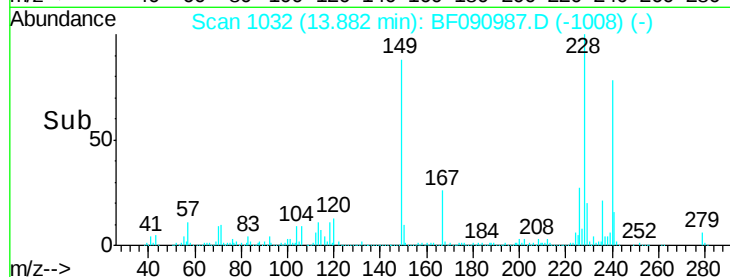
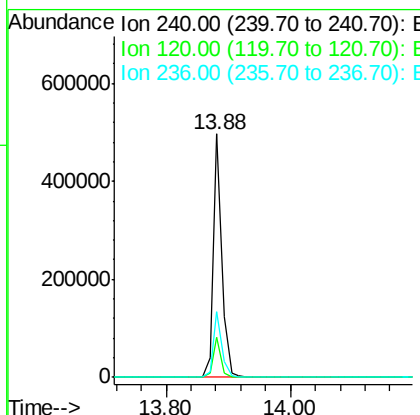
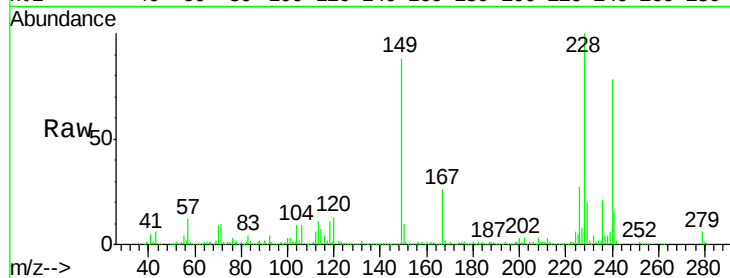
ClientSampleId :

SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	466938		
120	16.3	16.2	24.2	
236	27.0	18.4	27.6	

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#76

Benzidine

Concen: 63.27 ng

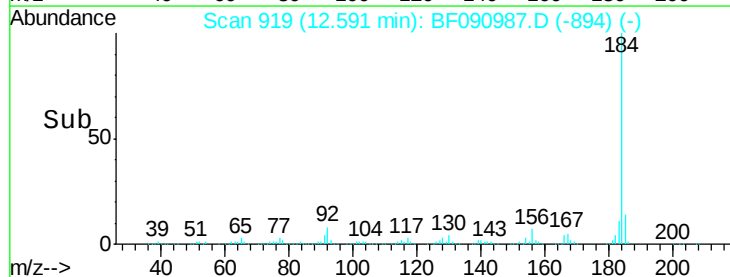
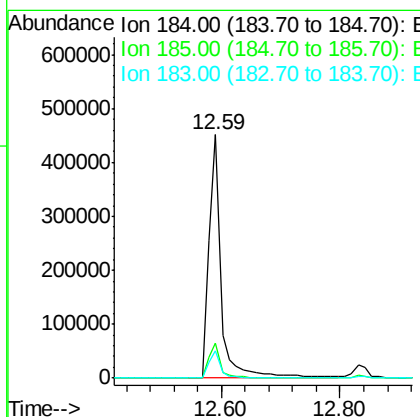
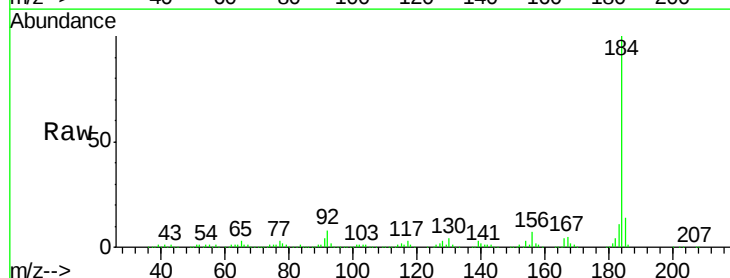
RT: 12.59 min Scan# 919

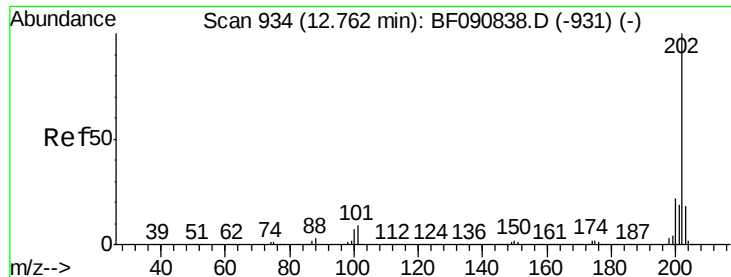
Delta R.T. -0.01 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	645032		
185	14.4	11.8	17.6	
183	11.4	7.6	11.4#	





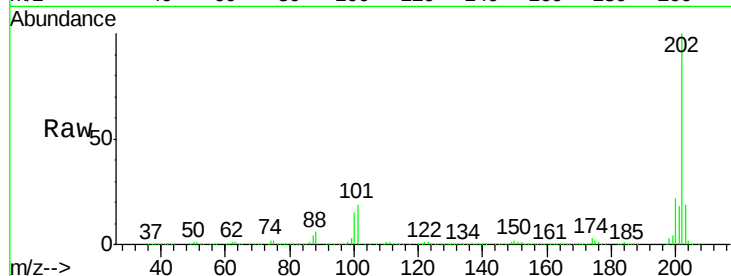
#77
Pyrene
 Concen: 54.66 ng m
 RT: 12.68 min Scan# 927
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

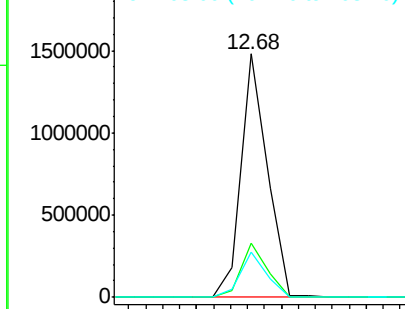
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.5	15.0	22.4#
203	18.6	14.1	21.1

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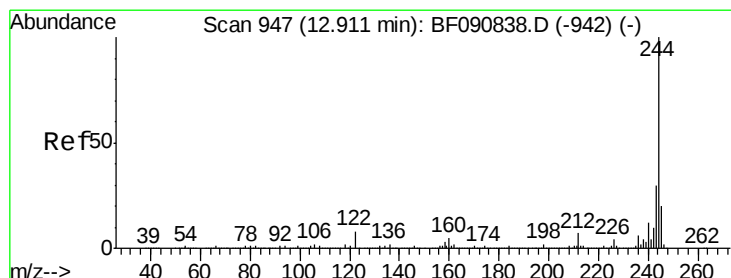
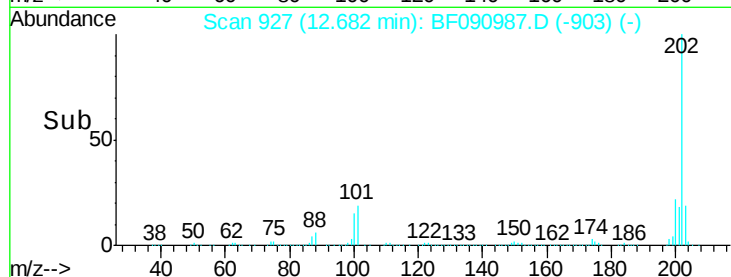
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Abundance Ion 202.00 (201.70 to 202.70): E
 2000000
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E



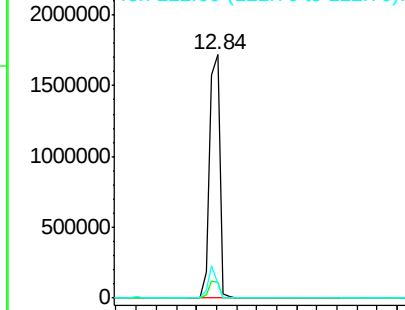
Time-->



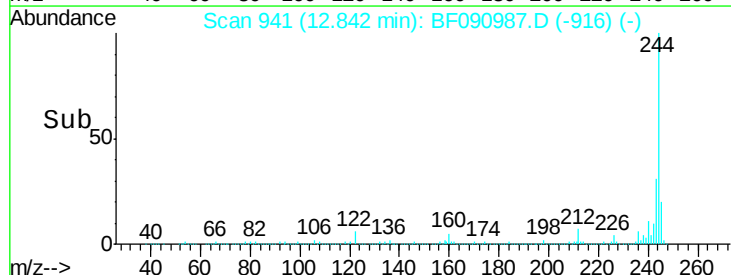
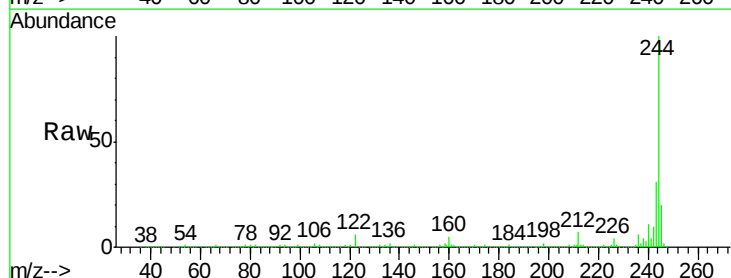
#78
Terphenyl-d14
 Concen: 131.86 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

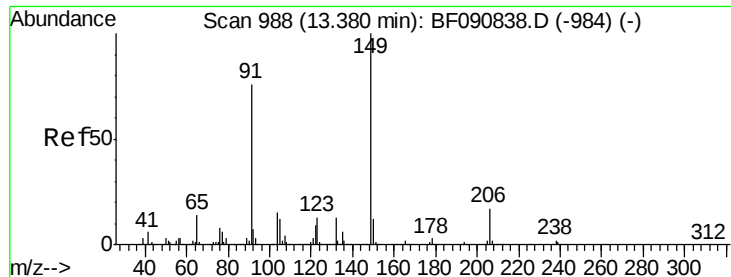
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	4.3	6.5#
122	6.2	17.4	26.2#

Abundance Ion 244.00 (243.70 to 244.70): E
 2000000
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



Time-->





#79

Butylbenzylphthalate

Concen: 62.42 ng

RT: 13.31 min Scan# 982

Delta R.T. -0.02 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Instrument :

BNA_F

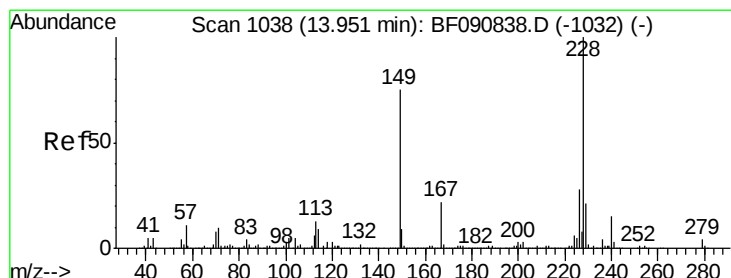
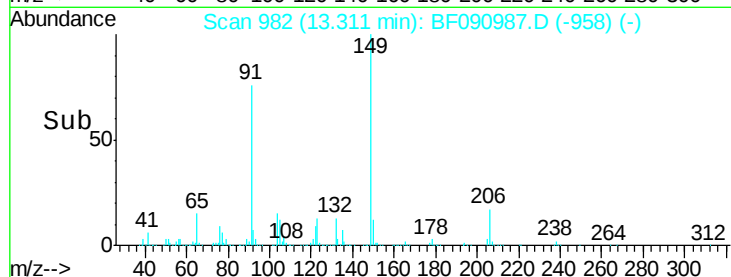
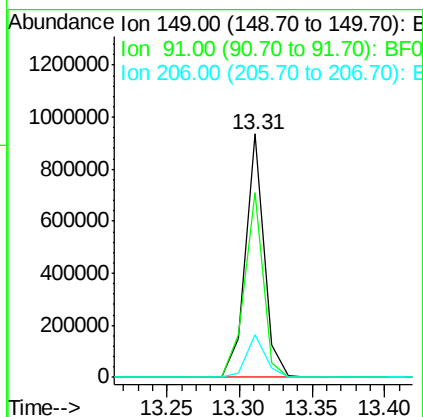
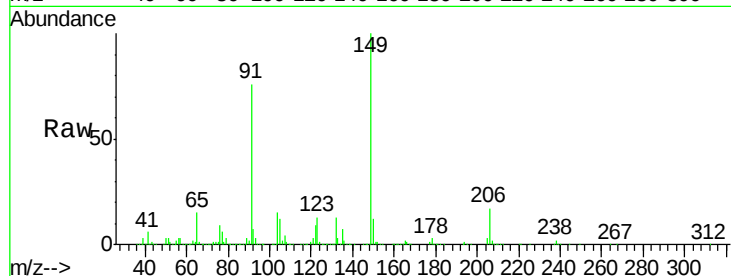
ClientSampleId :

SB-91-24.5-25.0MSD

Tgt Ion:	149	Resp:	836884
Ion Ratio	Lower	Upper	
149	100		
91	75.8	48.6	72.8#
206	17.3	14.9	22.3

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#80

Benzo(a)anthracene

Concen: 56.83 ng

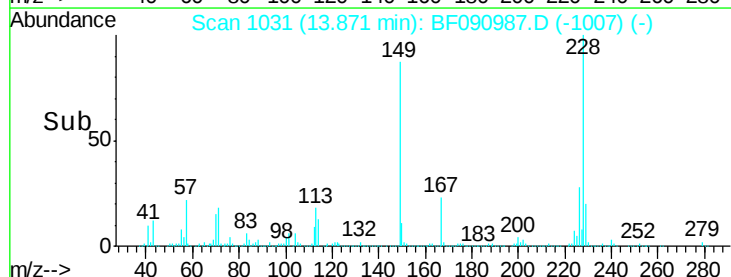
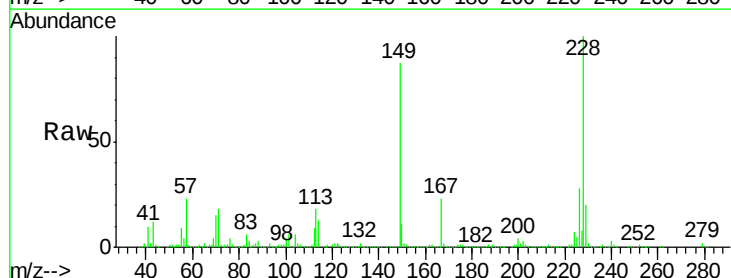
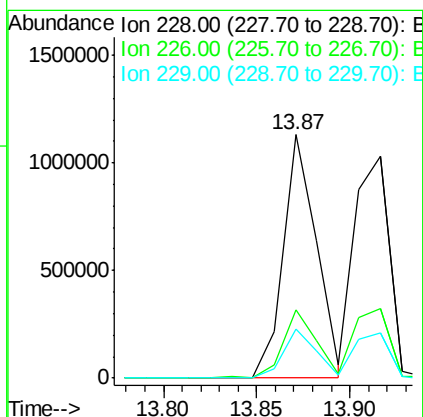
RT: 13.87 min Scan# 1031

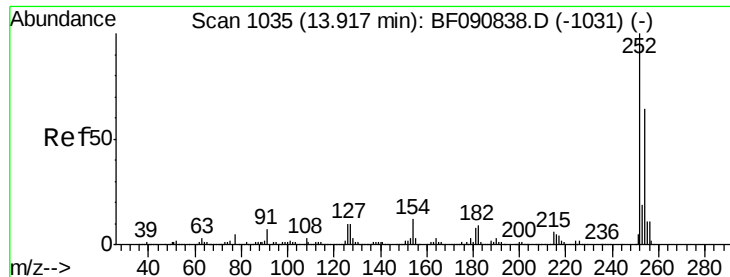
Delta R.T. -0.02 min

Lab File: BF090987.D

Acq: 2 Nov 2016 18:40

Tgt Ion:	228	Resp:	1408251
Ion Ratio	Lower	Upper	
228	100		
226	27.9	20.0	30.0
229	20.3	15.4	23.2





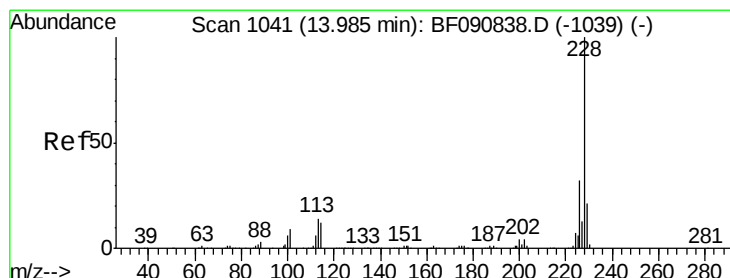
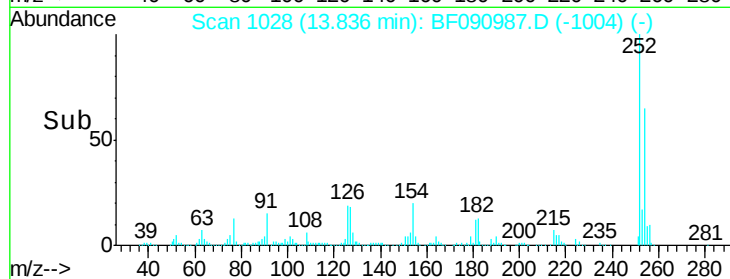
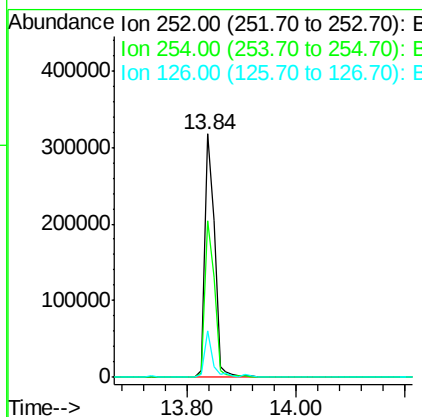
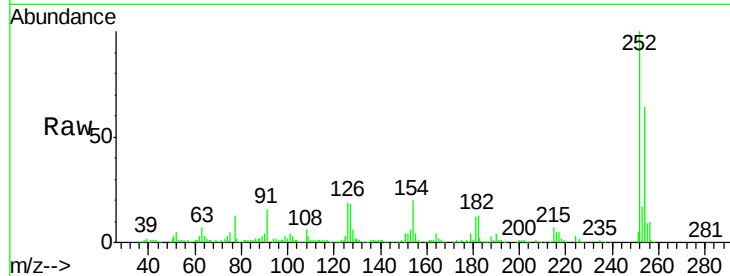
#81
 3,3'-Dichlorobenzidine
 Concen: 40.76 ng
 RT: 13.84 min Scan# 1028
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	392094		
254	64.4	51.4	77.2	
126	19.3	16.4	24.6	

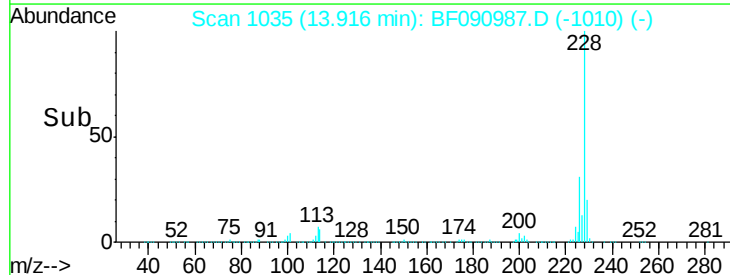
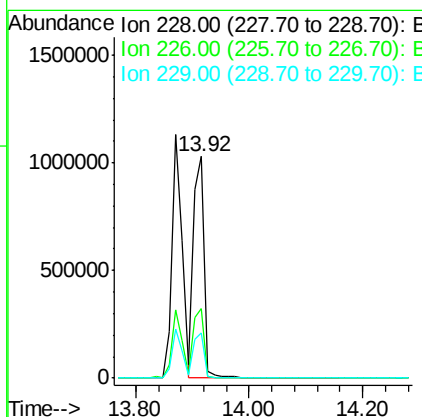
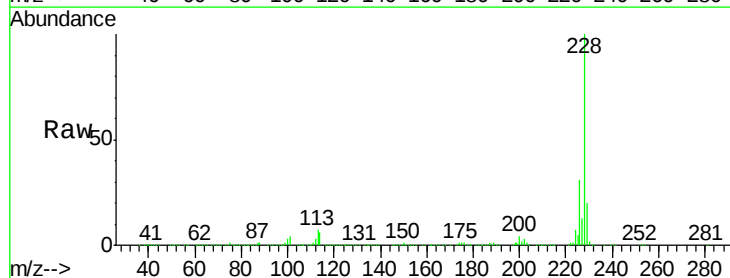
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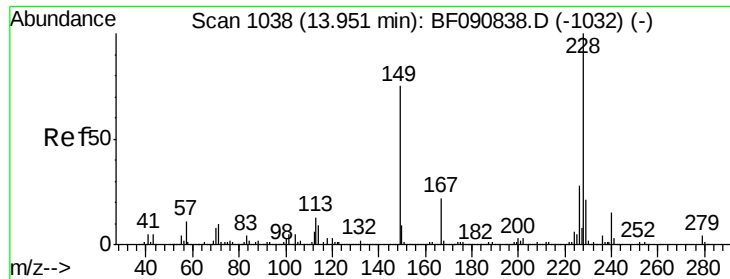
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#82
 Chrysene
 Concen: 54.42 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1363996		
226	31.4	21.0	31.4	
229	20.2	15.6	23.4	





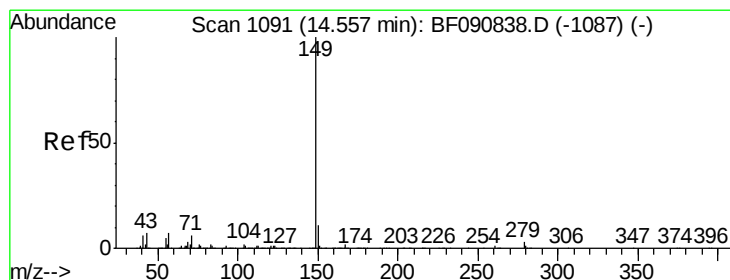
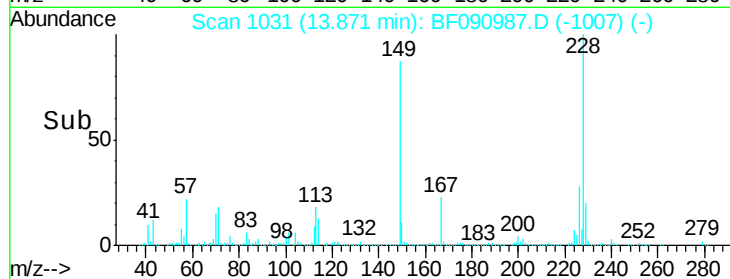
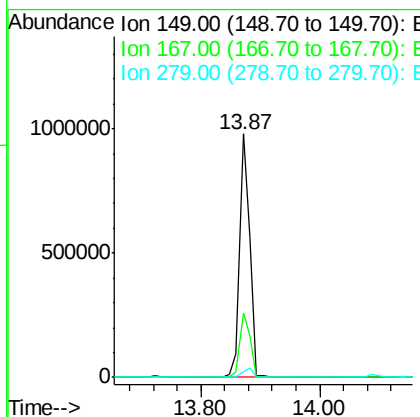
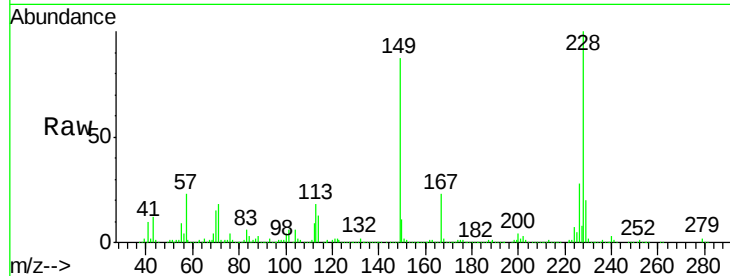
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 65.53 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

Tgt Ion:149 Resp: 1144225
 Ion Ratio Lower Upper
 149 100
 167 26.4 24.2 36.2
 279 2.3 3.8 5.6#

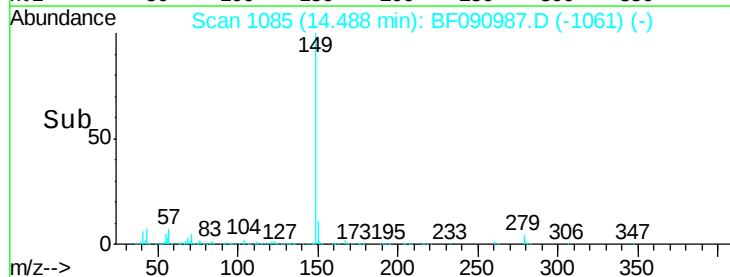
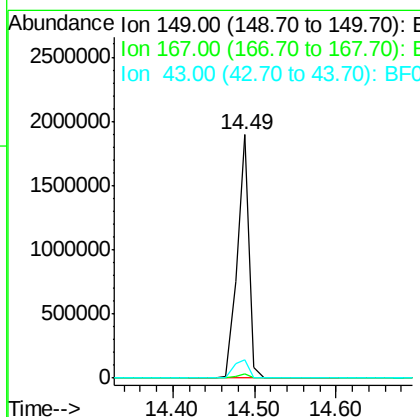
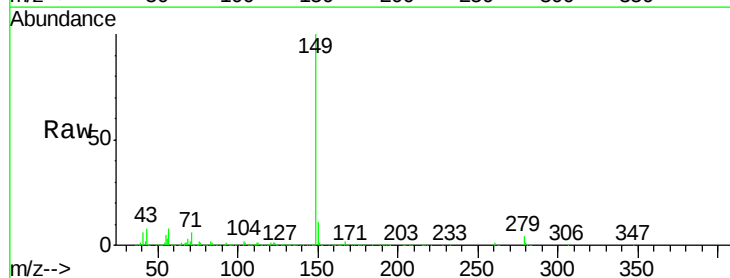
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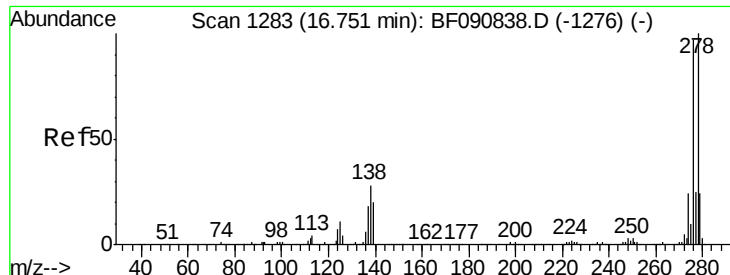
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#84
 Di-n-octyl phthalate
 Concen: 64.52 ng
 RT: 14.49 min Scan# 1085
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion:149 Resp: 1891700
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.0 1.6#
 43 9.6 10.2 15.2#





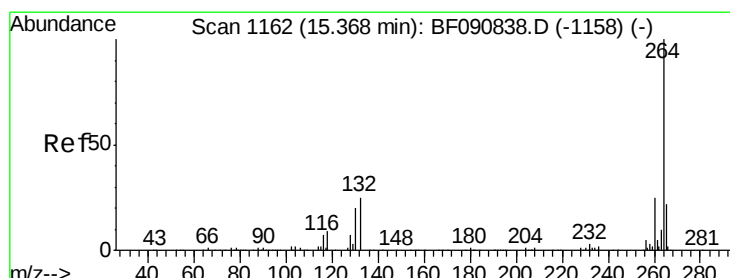
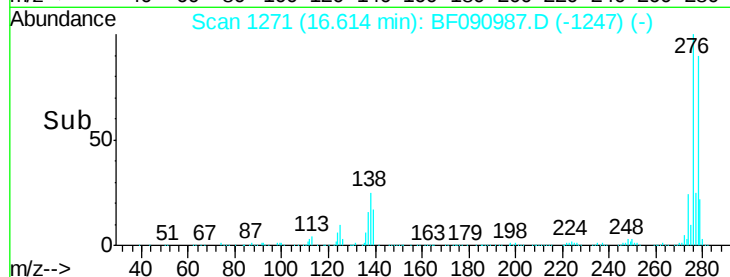
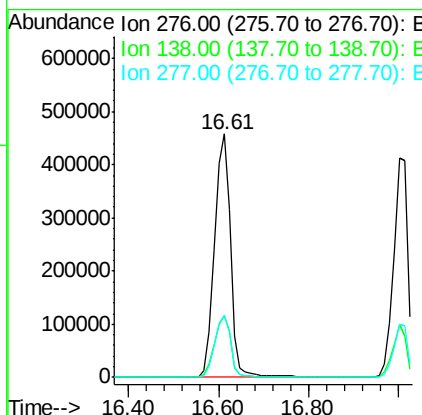
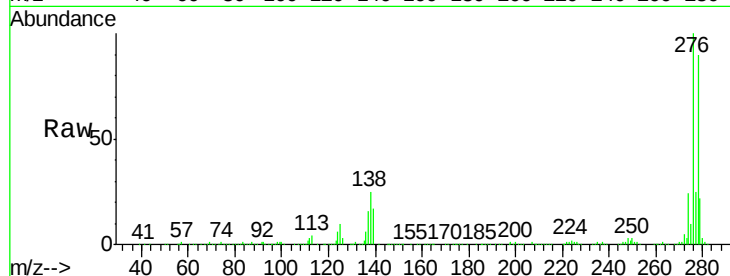
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 51.52 ng
 RT: 16.61 min Scan# 1271
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	25.7	38.5
277	25.6	15.6	23.4

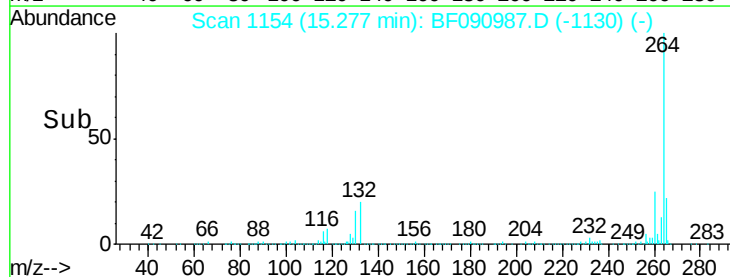
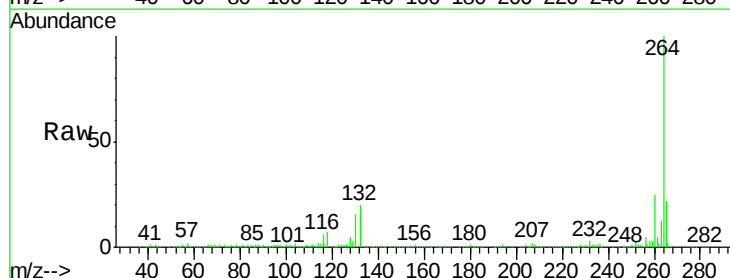
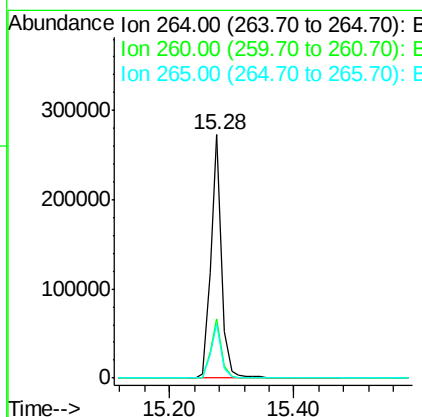
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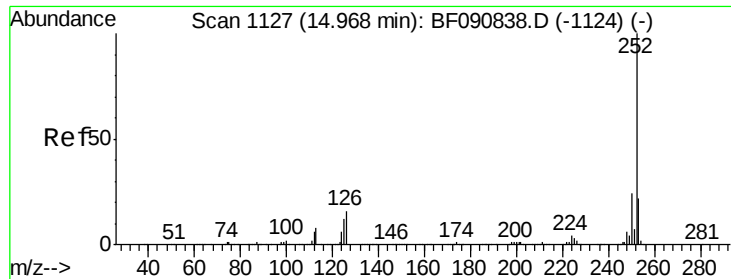
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	16.7	25.1
265	22.1	17.2	25.8





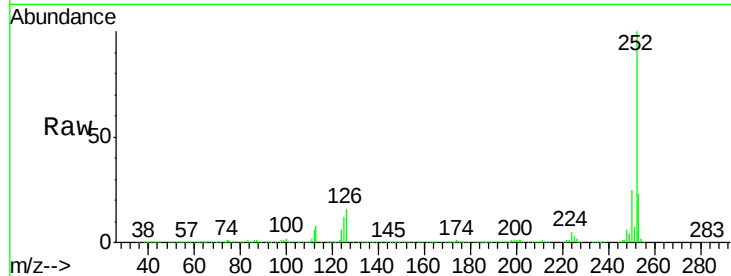
#87
Benzo(b)fluoranthene
Concen: 52.20 ng m
RT: 14.89 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Instrument :
BNA_F
ClientSampleId :
SB-91-24.5-25.0MSD

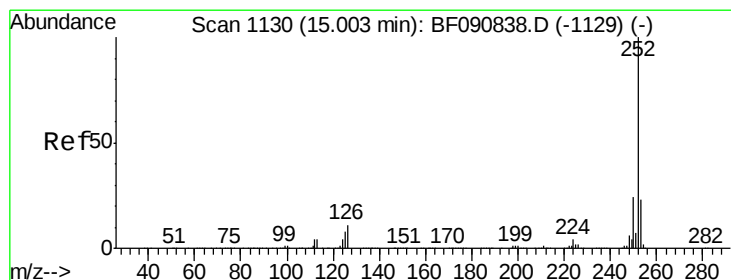
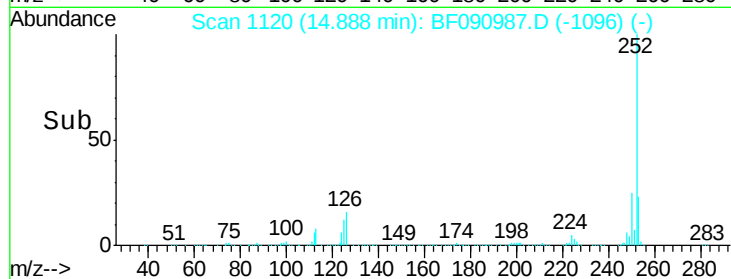
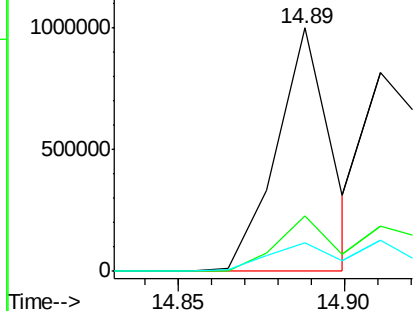
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	11.9	17.1	25.7

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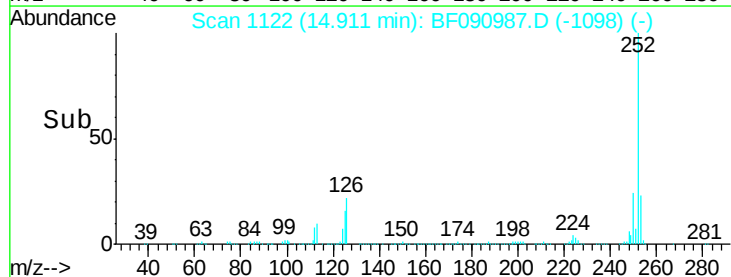
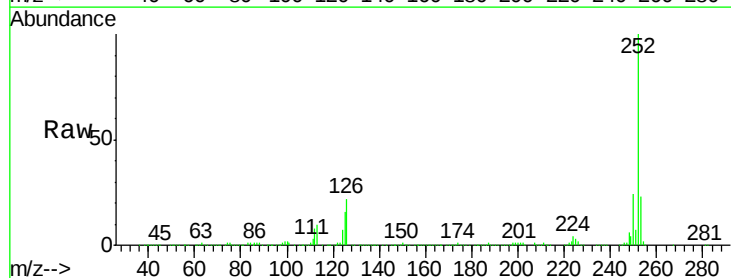
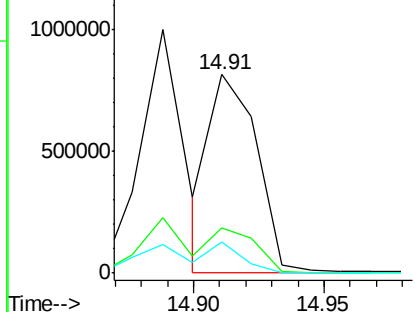
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

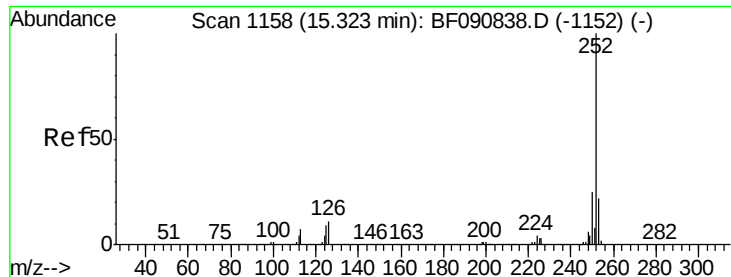


#88
Benzo(k)fluoranthene
Concen: 60.41 ng m
RT: 14.91 min Scan# 1122
Delta R.T. -0.02 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	15.7	16.0	24.0

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





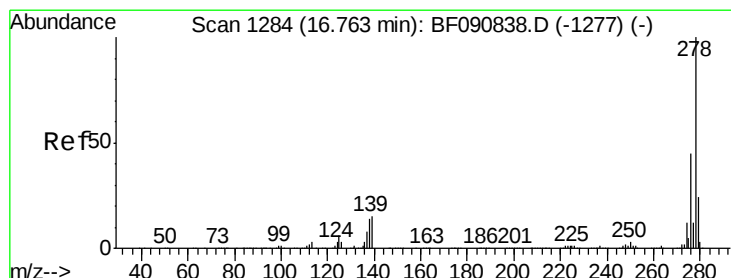
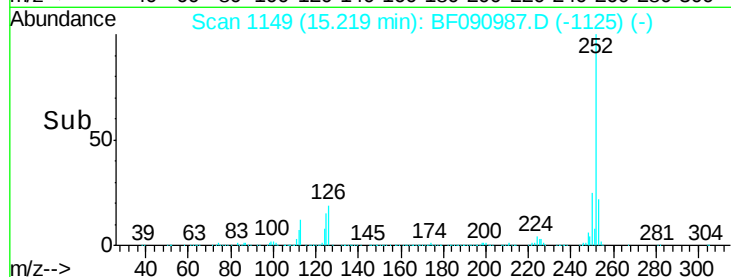
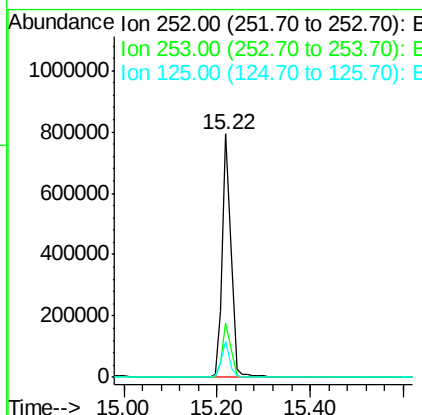
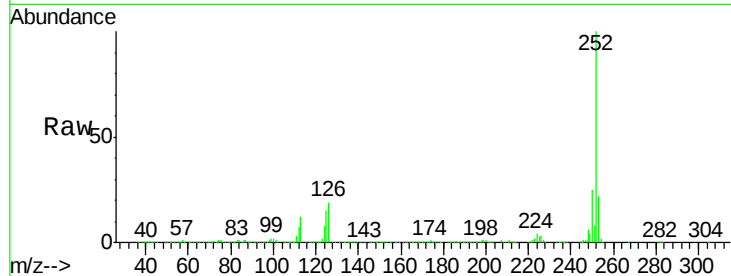
#89
Benzo(a)pyrene
Concen: 53.09 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Instrument :
BNA_F
ClientSampleId :
SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	15.1	18.0	27.0

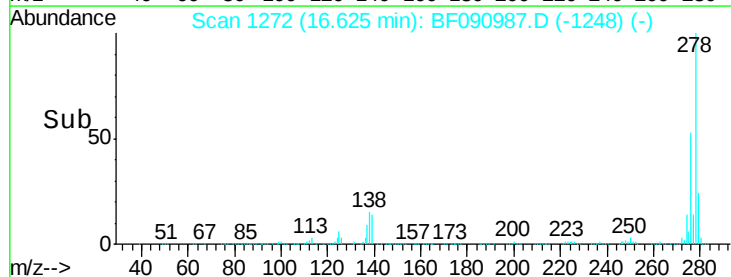
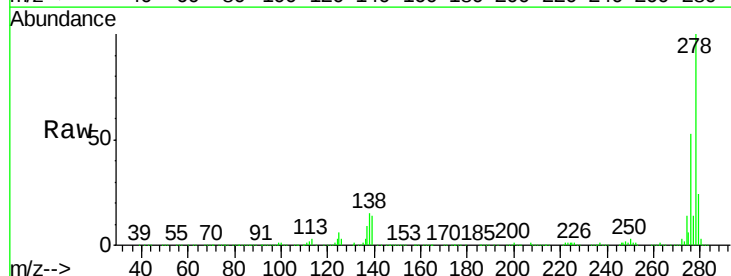
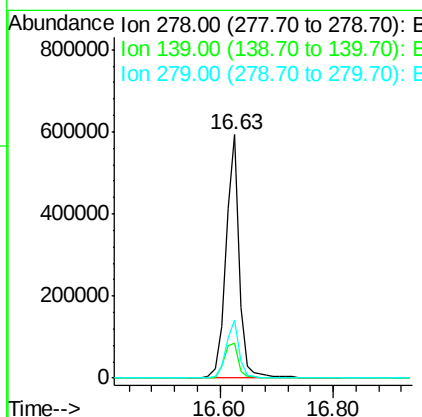
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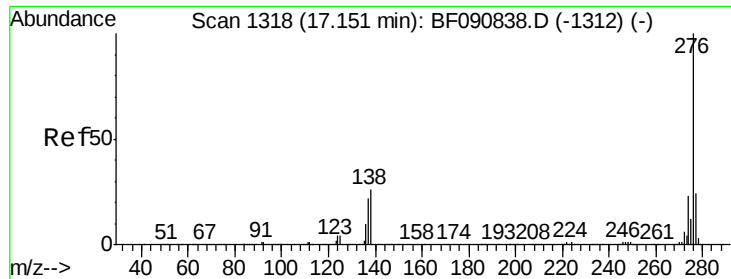
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#90
Dibenzo(a,h)anthracene
Concen: 61.48 ng
RT: 16.63 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF090987.D
Acq: 2 Nov 2016 18:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.4	26.3	39.5
279	23.8	18.2	27.4





#91
 Benzo(g,h,i)perylene
 Concen: 63.11 ng
 RT: 17.00 min Scan# 1305
 Delta R.T. -0.03 min
 Lab File: BF090987.D
 Acq: 2 Nov 2016 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-91-24.5-25.0MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.8	26.6
138	24.0	34.6	51.8

Manual Integrations
 APPROVED

Umangi
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