

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120216\
 Data File : BF091397.D
 Acq On : 2 Dec 2016 18:56
 Operator : UM/SJ
 Sample : H5819-02MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD

Manual Integrations
 APPROVED

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 12/5/2016 11:20:56 AM

Quant Time: Dec 02 23:06:23 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	200927	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	846962	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	484733	20.00	ng	-0.02
63) Phenanthrene-d10	11.38	188	832668	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	618056	20.00	ng	-0.02
86) Perylene-d12	15.45	264	524000	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1243776	101.12	ng	0.00
7) Phenol-d6	6.49	99	1779445	117.53	ng	0.00
23) Nitrobenzene-d5	7.43	82	1175738	77.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	564942	123.11	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1888623	70.55	ng	-0.02
78) Terphenyl-d14	12.97	244	2034304	71.54	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	156761	28.17	ng	# 83
3) Pyridine	3.22	79	471312	29.93	ng	# 82
4) n-Nitrosodimethylamine	3.18	42	314057	38.01	ng	# 98
6) Aniline	6.53	93	573770	28.53	ng	# 69
8) 2-Chlorophenol	6.65	128	478250	35.46	ng	# 94
9) Benzaldehyde	6.40	77	141404	14.52	ng	# 87
10) Phenol	6.50	94	658248	36.95	ng	# 88
11) bis(2-Chloroethyl)ether	6.60	93	433096	34.02	ng	# 92
12) 1,3-Dichlorobenzene	6.80	146	532135	35.47	ng	# 97
13) 1,4-Dichlorobenzene	6.88	146	542762	36.37	ng	# 98
14) 1,2-Dichlorobenzene	7.03	146	474295	34.13	ng	# 98
15) Benzyl Alcohol	7.01	79	504787	41.66	ng	# 98
16) 2,2'-oxybis(1-Chloropropan	7.14	45	983051	35.92	ng	# 71
17) 2-Methylphenol	7.12	107	430336	40.37	ng	# 75
18) Hexachloroethane	7.37	117	186453	35.19	ng	# 86
19) n-Nitroso-di-n-propylamine	7.28	70	356636	37.39	ng	# 98
20) 3+4-Methylphenols	7.27	107	470150	36.13	ng	# 68
22) Acetophenone	7.27	105	690533	34.40	ng	# 75
24) Nitrobenzene	7.44	77	493011	31.86	ng	# 94
25) Isophorone	7.69	82	1026314	38.33	ng	# 95
26) 2-Nitrophenol	7.76	139	269938	38.28	ng	# 95
27) 2,4-Dimethylphenol	7.81	122	487853	36.98	ng	# 92
28) bis(2-Chloroethoxy)methane	7.90	93	624475	38.75	ng	# 99
29) 2,4-Dichlorophenol	8.00	162	424053	36.54	ng	# 98
30) 1,2,4-Trichlorobenzene	8.09	180	477383	36.69	ng	# 97
31) Naphthalene	8.17	128	1481458	36.80	ng	# 100
32) Benzoic acid	7.90	122	142137	14.62	ng	# 95
33) 4-Chloroaniline	8.22	127	312687	18.17	ng	# 95
34) Hexachlorobutadiene	8.29	225	265545	33.19	ng	# 97
35) Caprolactam	8.60	113	150233m	45.04	ng	#
36) 4-Chloro-3-methylphenol	8.70	107	458875	36.63	ng	# 99
37) 2-Methylnaphthalene	8.86	142	940765	34.40	ng	# 93
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	499127	36.53	ng	# 99
40) Hexachlorocyclopentadiene	9.02	237	512621	80.93	ng	# 99

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 ClientSampleId :
 113016-02MSD

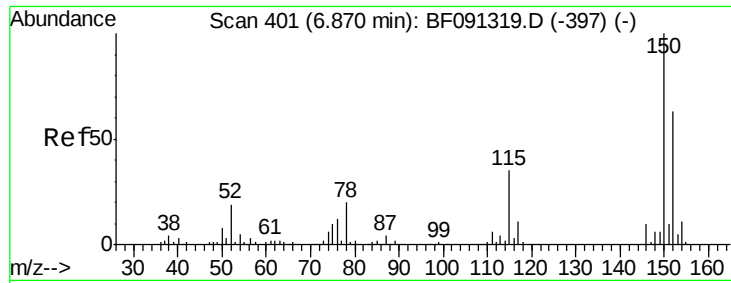
Manual Integrations
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Quant Time: Dec 02 23:06:23 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.14	196	334264	37.64	ng	94
43) 2,4,5-Trichlorophenol	9.18	196	323620	36.36	ng	# 89
45) 1,1'-Biphenyl	9.33	154	1270114	36.44	ng	96
46) 2-Chloronaphthalene	9.35	162	941595	36.27	ng	97
47) 2-Nitroaniline	9.44	65	338226	36.28	ng	# 79
48) Acenaphthylene	9.76	152	1333546	32.63	ng	98
49) Dimethylphthalate	9.64	163	1359989	46.34	ng	98
50) 2,6-Dinitrotoluene	9.69	165	265843	40.52	ng	# 57
51) Acenaphthene	9.93	154	986645	35.80	ng	96
52) 3-Nitroaniline	9.85	138	184648	24.32	ng	95
53) 2,4-Dinitrophenol	9.96	184	227140m	79.18	ng	
54) Dibenzofuran	10.10	168	1322332	35.83	ng	99
55) 4-Nitrophenol	10.02	139	469026	85.52	ng	# 64
56) 2,4-Dinitrotoluene	10.09	165	377881	44.41	ng	91
57) Fluorene	10.45	166	931790	32.89	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.23	232	294553	38.76	ng	96
59) Diethylphthalate	10.33	149	1113414	38.43	ng	95
60) 4-Chlorophenyl-phenylether	10.45	204	504512	35.50	ng	99
61) 4-Nitroaniline	10.47	138	236162	33.12	ng	84
62) Azobenzene	10.61	77	1225134	41.44	ng	95
64) 4,6-Dinitro-2-methylphenol	10.49	198	178312	38.87	ng	89
65) n-Nitrosodiphenylamine	10.56	169	851216	33.72	ng	100
66) 4-Bromophenyl-phenylether	10.94	248	330856	36.97	ng	# 72
67) Hexachlorobenzene	11.00	284	332103	34.34	ng	# 83
68) Atrazine	11.09	200	274051	33.52	ng	98
69) Pentachlorophenol	11.19	266	395237	69.42	ng	95
70) Phenanthrene	11.41	178	1416648	32.74	ng	99
71) Anthracene	11.46	178	1675958	39.03	ng	99
72) Carbazole	11.61	167	1355030	34.77	ng	99
73) Di-n-butylphthalate	11.96	149	1735777	39.31	ng	99
74) Fluoranthene	12.60	202	1676404	40.90	ng	98
76) Benzidine	12.71	184	619243	34.13	ng	99
77) Pyrene	12.83	202	1674413	35.70	ng	99
79) Butylbenzylphthalate	13.44	149	676834	38.54	ng	88
80) Benzo(a)anthracene	14.00	228	1262686	34.93	ng	99
81) 3,3'-Dichlorobenzidine	13.97	252	294049	23.09	ng	# 97
82) Chrysene	14.05	228	1254399	35.08	ng	100
83) Bis(2-ethylhexyl)phthalate	14.01	149	906779	40.73	ng	# 92
84) Di-n-octyl phthalate	14.62	149	1418645	42.11	ng	98
85) Indeno(1,2,3-cd)pyrene	16.86	276	1162624	35.50	ng	# 94
87) Benzo(b)fluoranthene	15.04	252	1226096m	37.64	ng	
88) Benzo(k)fluoranthene	15.07	252	942878m	34.43	ng	
89) Benzo(a)pyrene	15.40	252	1043104	35.66	ng	# 92
90) Dibenzo(a,h)anthracene	16.87	278	950951	35.15	ng	# 95
91) Benzo(g,h,i)perylene	17.28	276	970062	34.78	ng	97

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



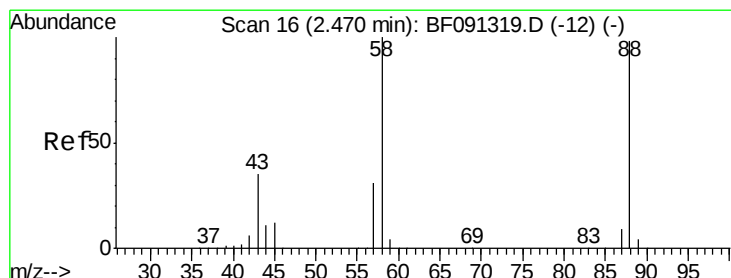
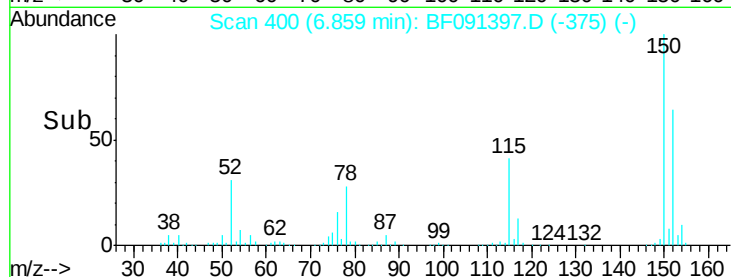
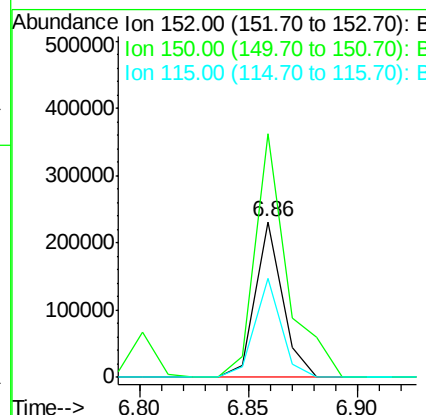
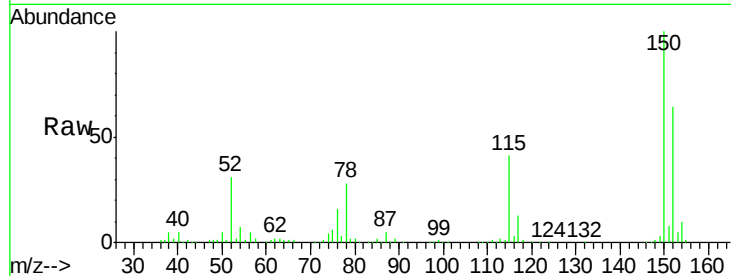
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 400
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.5	122.5	183.7
115	63.4	51.8	77.8

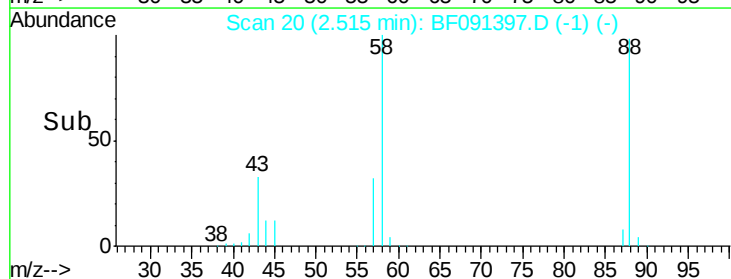
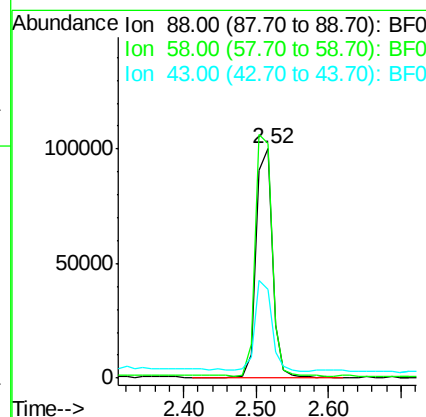
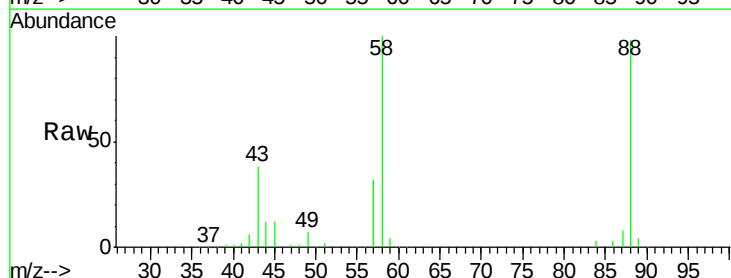
Manual Integrations
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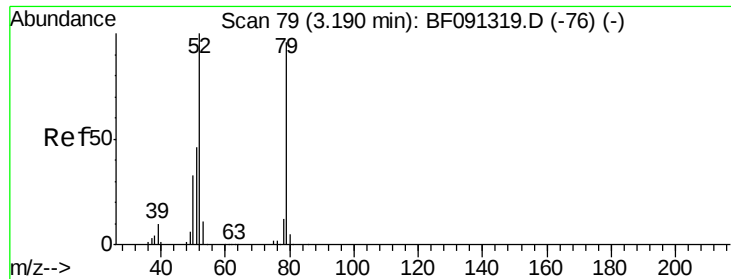
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#2
 1,4-Dioxane
 Concen: 28.17 ng
 RT: 2.52 min Scan# 20
 Delta R.T. 0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Lower	Upper
88	100		
58	108.7	70.3	105.5#
43	41.4	31.3	46.9





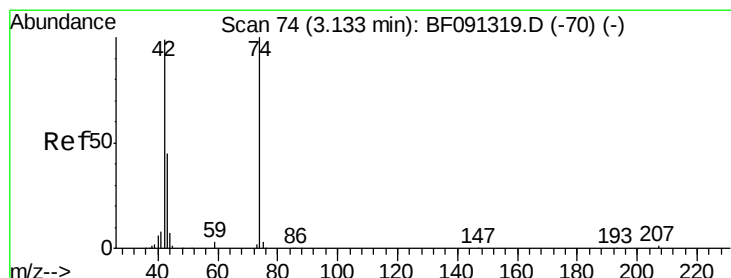
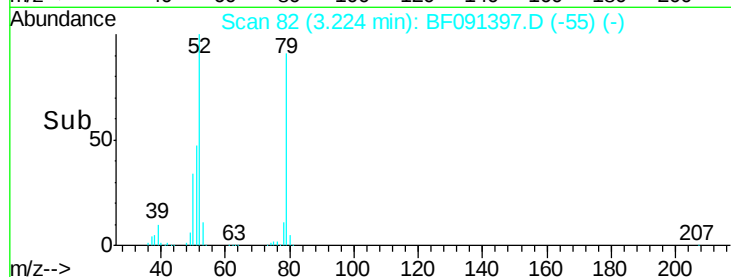
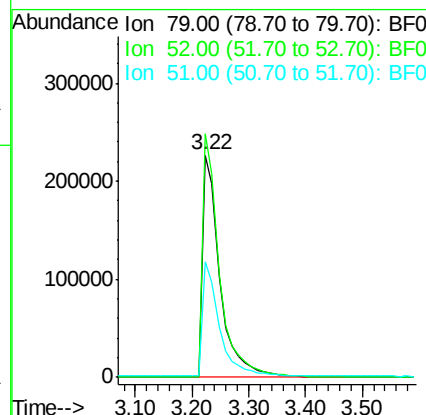
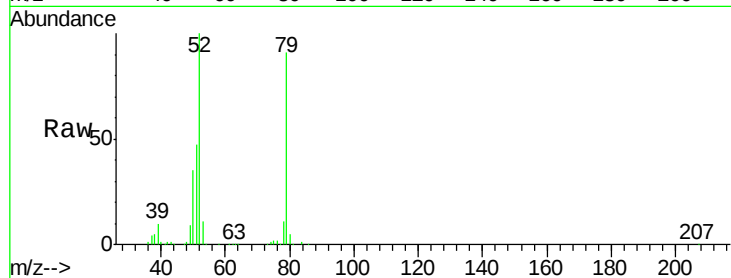
#3
 Pyridine
 Concen: 29.93 ng
 RT: 3.22 min Scan# 82
 Delta R.T. 0.01 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD

Tgt Ion	Ratio	Lower	Upper
79	100		
52	109.5	71.0	106.4#
51	51.8	37.0	55.4

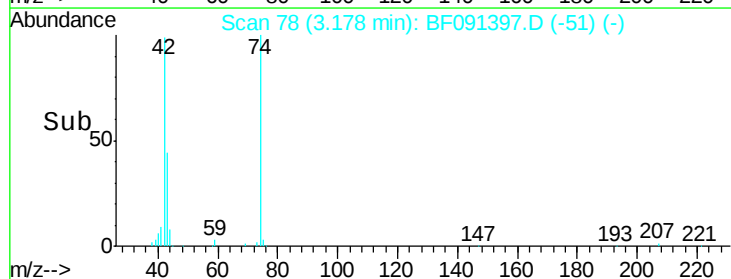
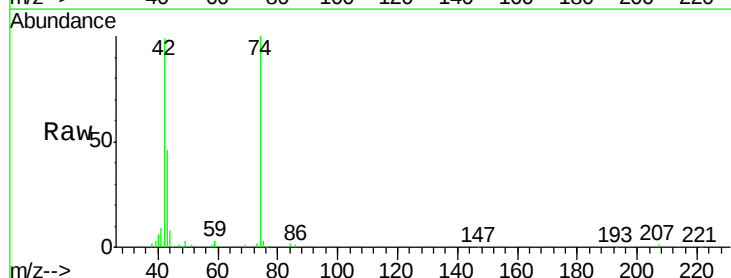
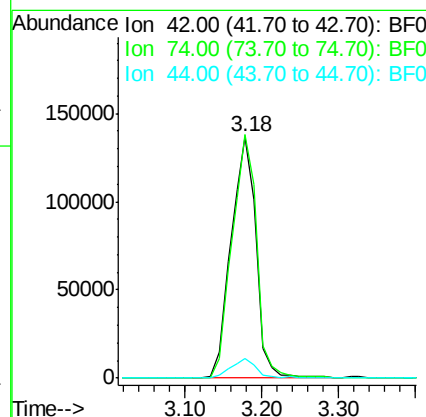
Manual Integrations
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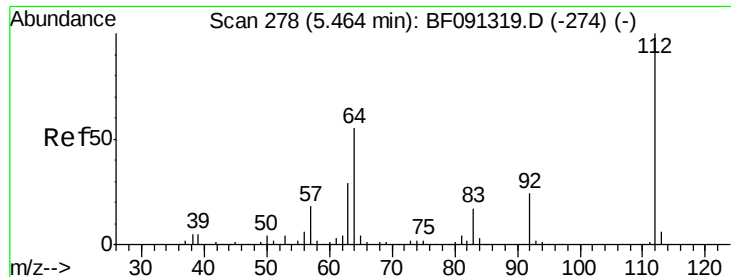
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#4
 n-Nitrosodimethylamine
 Concen: 38.01 ng
 RT: 3.18 min Scan# 78
 Delta R.T. 0.01 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Lower	Upper
42	100		
74	100.8	78.9	118.3
44	7.9	5.8	8.6





#5

2-Fluorophenol

Concen: 101.12 ng

RT: 5.46 min Scan# 278

Delta R.T. -0.00 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

ClientSampled :

113016-02MSD

Tgt Ion: 112 Resp: 1243776

Ion Ratio Lower Upper

112 100

64 78.0 61.5 92.3

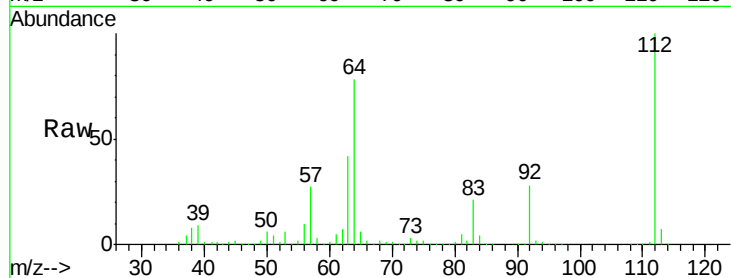
63 42.2 33.3 49.9

Manual Integrations

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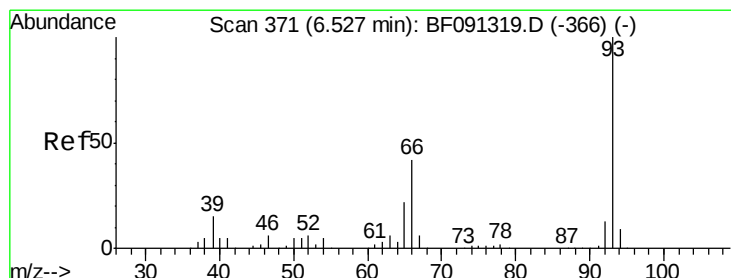
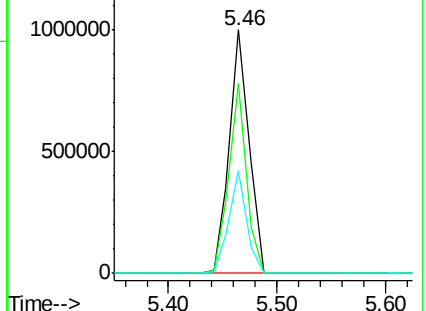
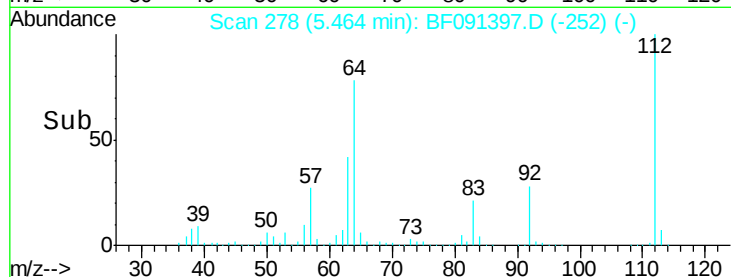
12/5/2016 11:20:56 AM



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: 28.53 ng

RT: 6.53 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

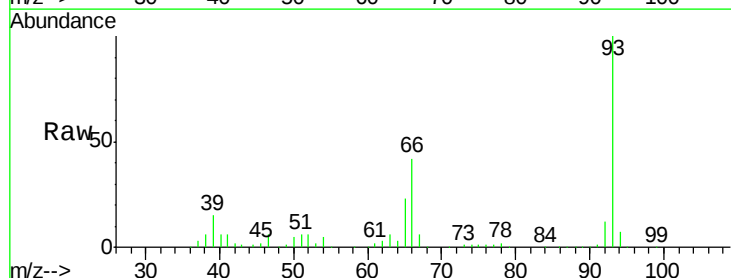
Tgt Ion: 93 Resp: 573770

Ion Ratio Lower Upper

93 100

66 42.2 55.8 83.6#

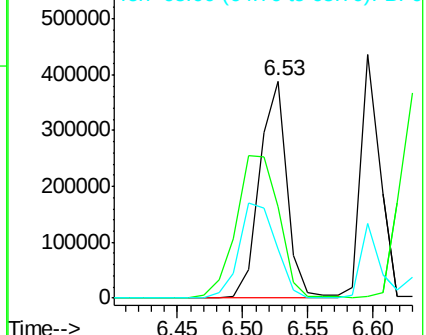
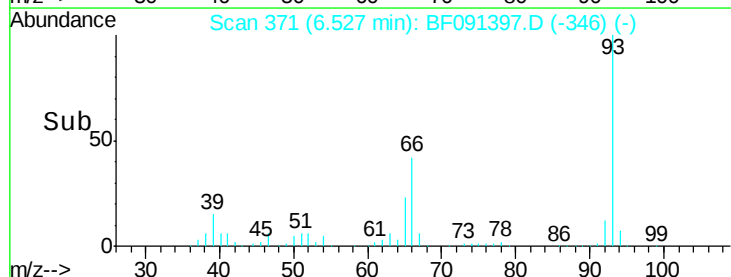
65 22.5 29.9 44.9#

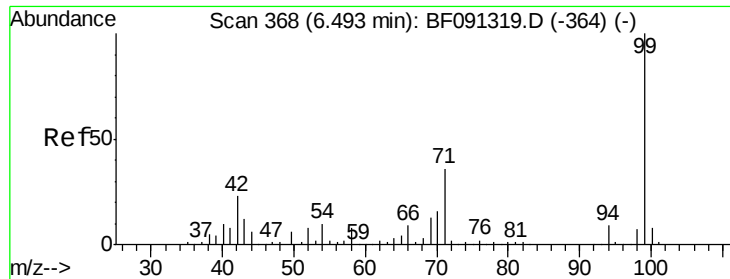


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 117.53 ng

RT: 6.49 min Scan# 368

Delta R.T. -0.01 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

ClientSampleId :

113016-02MSD

Tgt Ion: 99 Resp: 1779445

Ion Ratio Lower Upper

99 100

42 24.7 20.6 31.0

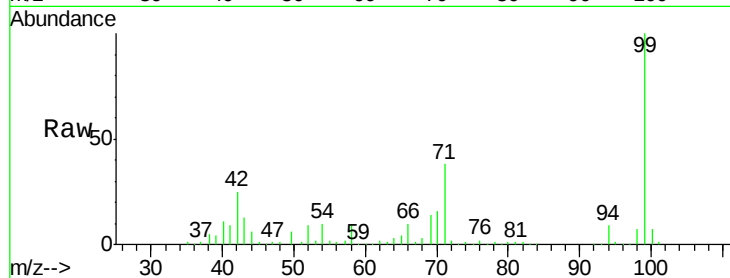
71 37.8 29.9 44.9

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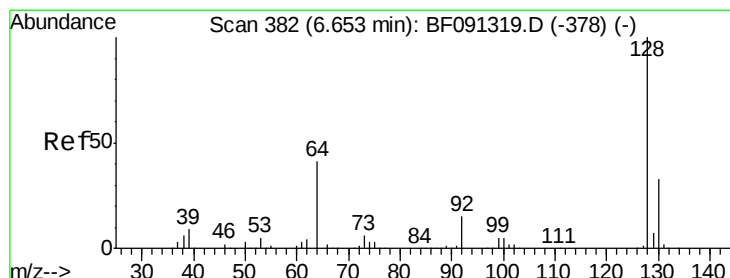
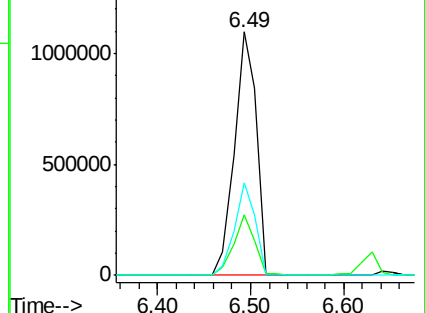
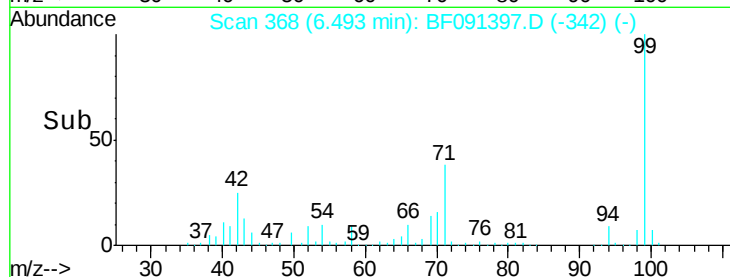
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 35.46 ng

RT: 6.65 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

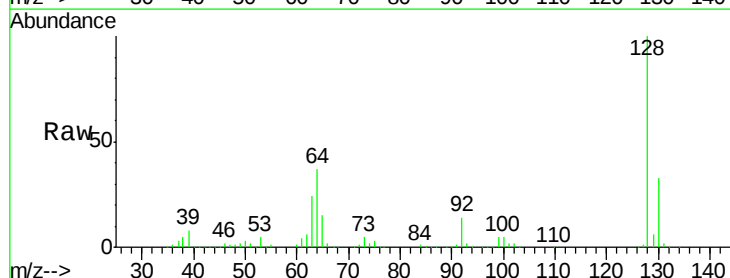
Tgt Ion: 128 Resp: 478250

Ion Ratio Lower Upper

128 100

130 33.4 13.1 53.1

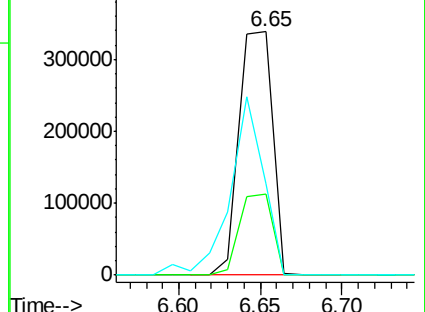
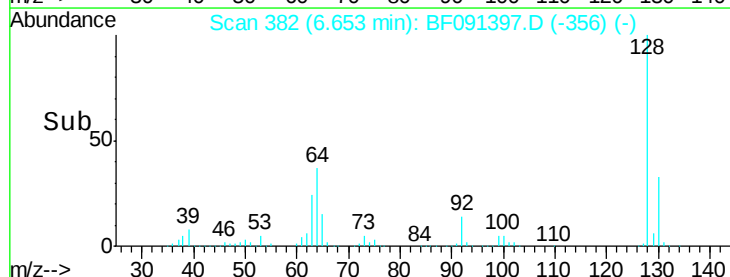
64 37.4 24.1 64.1

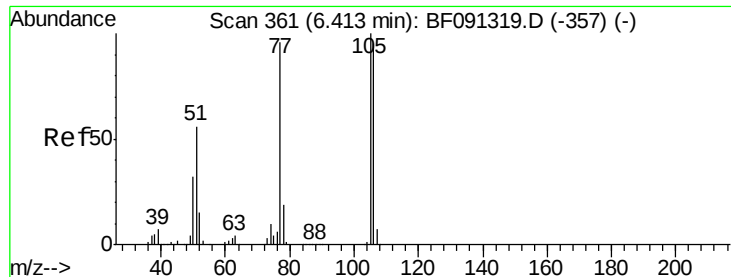


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 14.52 ng

RT: 6.40 min Scan# 360

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

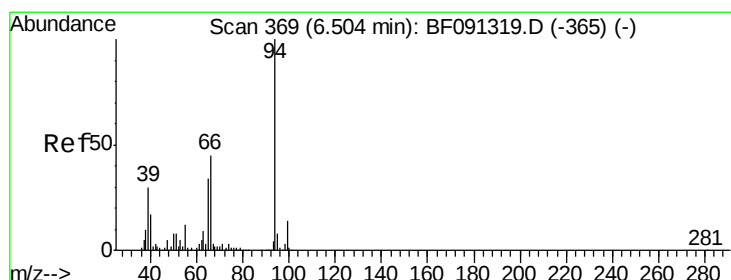
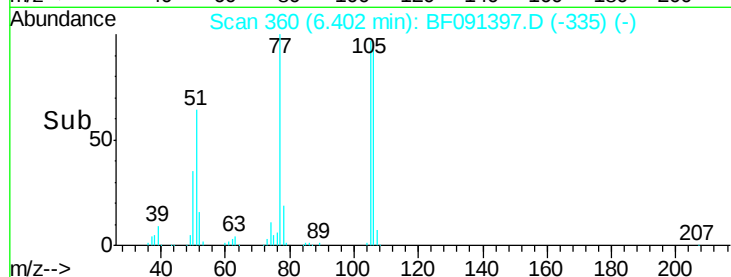
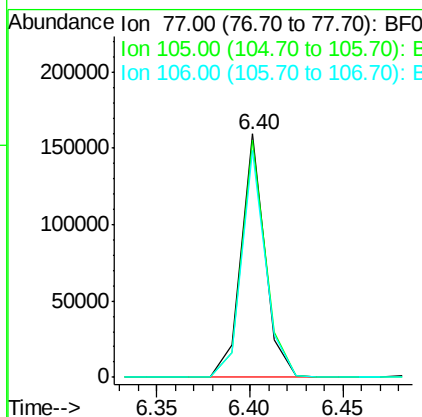
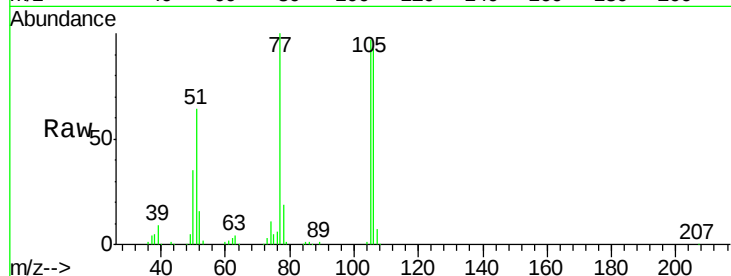
ClientSampleId :

113016-02MSD

Tgt Ion:	77	Resp:	141404
Ion Ratio	Lower	Upper	
77	100		
105	97.4	66.4	106.4
106	93.3	60.9	100.9

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#10

Phenol

Concen: 36.95 ng

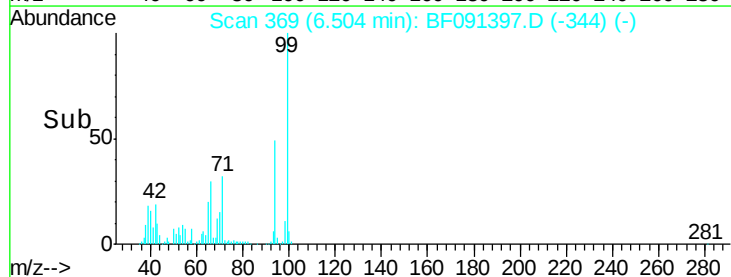
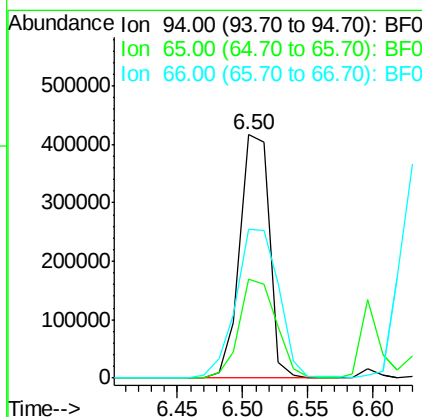
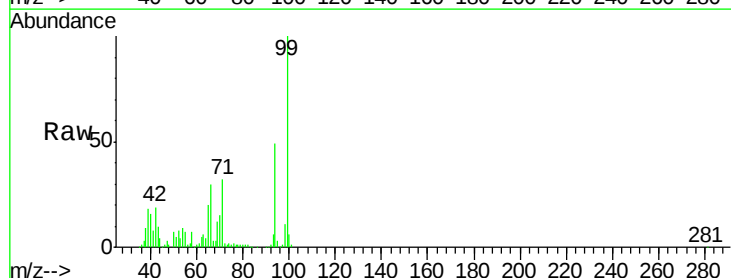
RT: 6.50 min Scan# 369

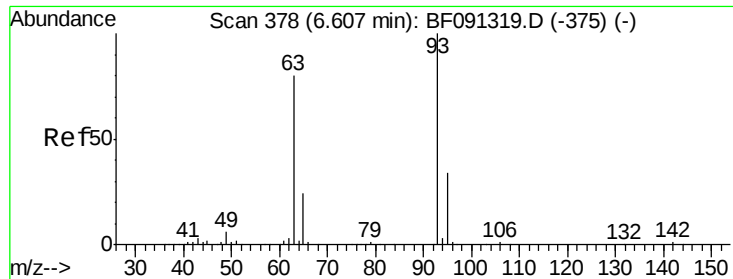
Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Tgt Ion:	94	Resp:	658248
Ion Ratio	Lower	Upper	
94	100		
65	40.8	16.9	56.9
66	61.4	30.6	70.6





#11

bis(2-Chloroethyl)ether

Concen: 34.02 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

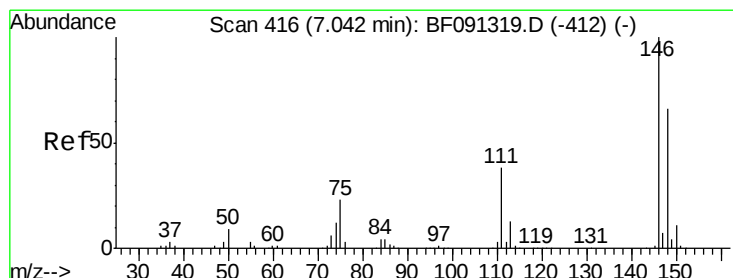
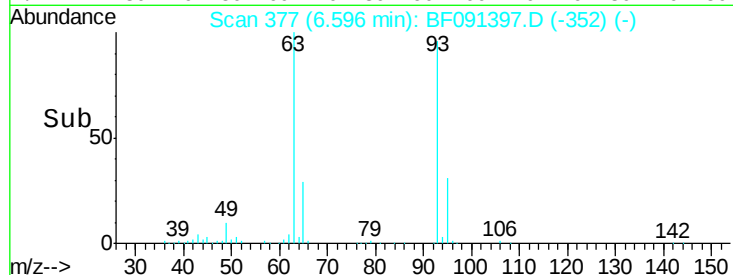
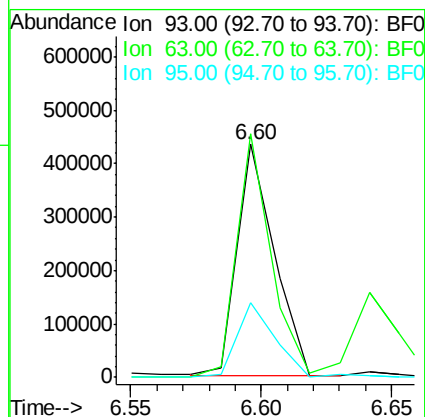
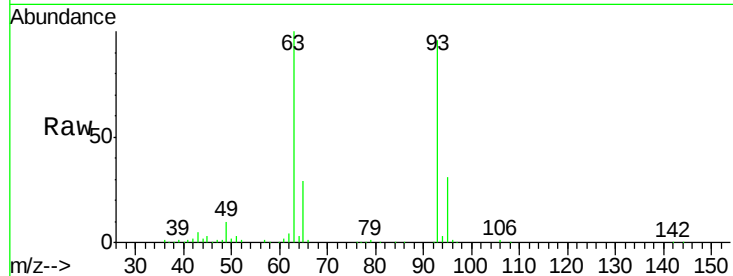
ClientSampleId :

113016-02MSD

Tgt Ion:	93	Resp:	433096
Ion Ratio	Lower	Upper	
93	100		
63	104.5	74.8	114.8
95	32.3	12.4	52.4

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#12

1,3-Dichlorobenzene

Concen: 35.47 ng

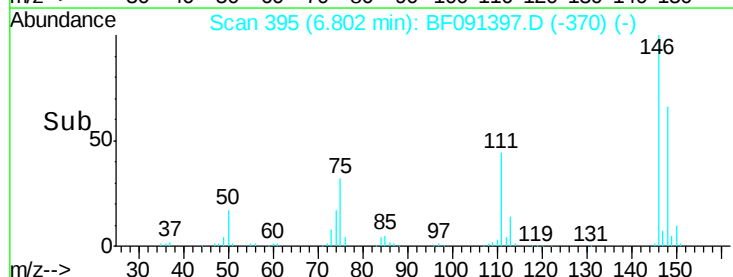
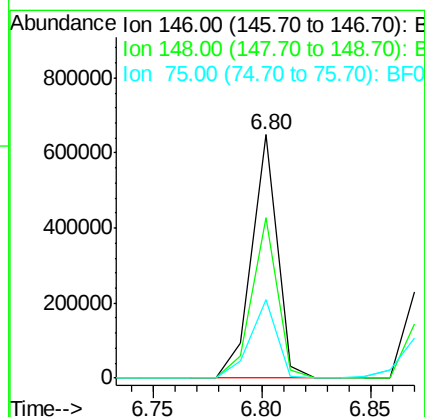
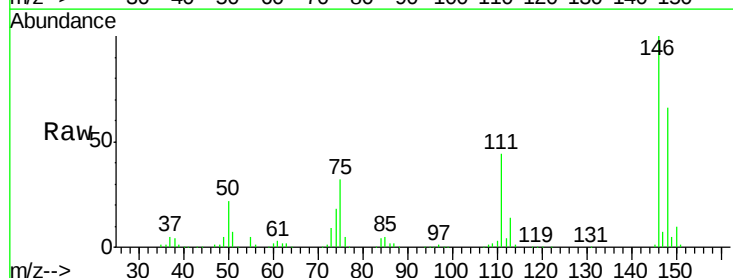
RT: 6.80 min Scan# 395

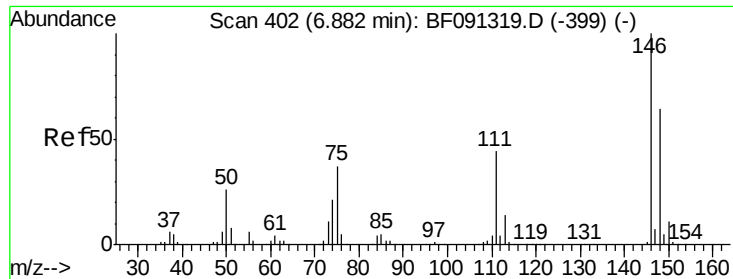
Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Tgt Ion:	146	Resp:	532135
Ion Ratio	Lower	Upper	
146	100		
148	65.7	51.4	77.0
75	32.4	23.6	35.4





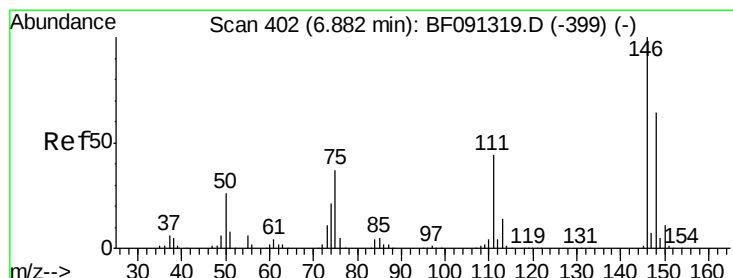
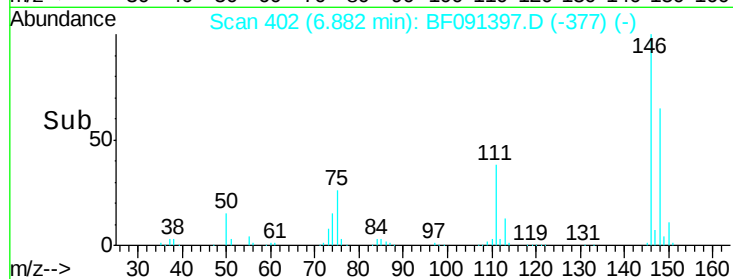
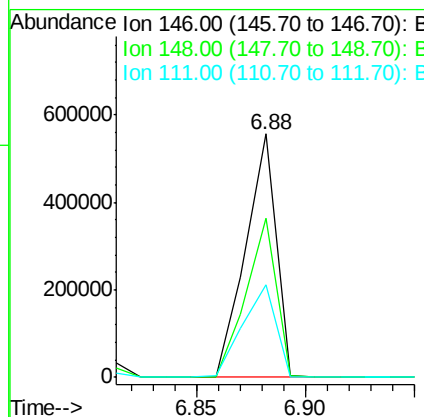
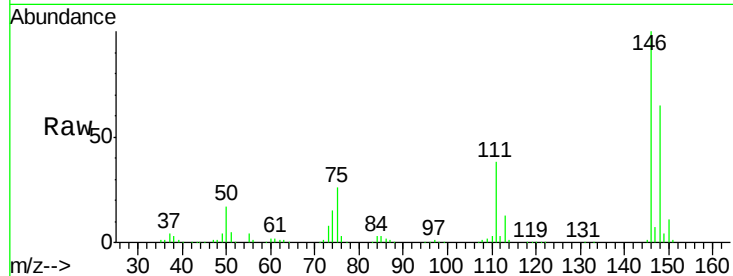
#13
1,4-Dichlorobenzene
Concen: 36.37 ng
RT: 6.88 min Scan# 402
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
113016-02MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.4	77.0
111	38.1	32.2	48.2

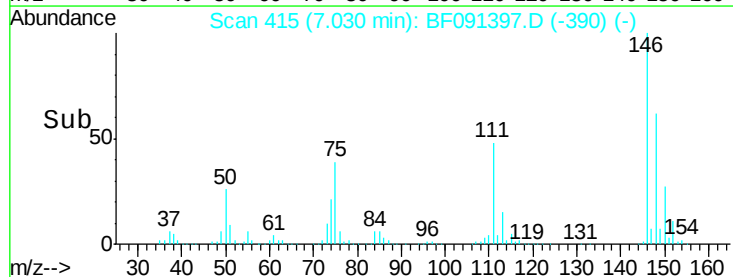
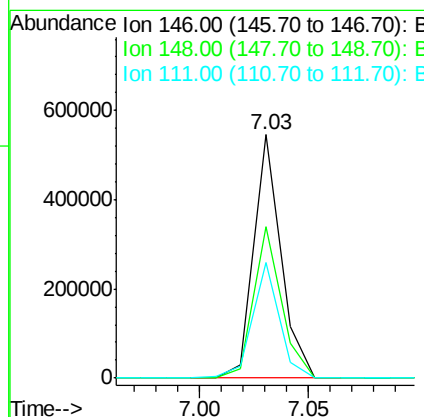
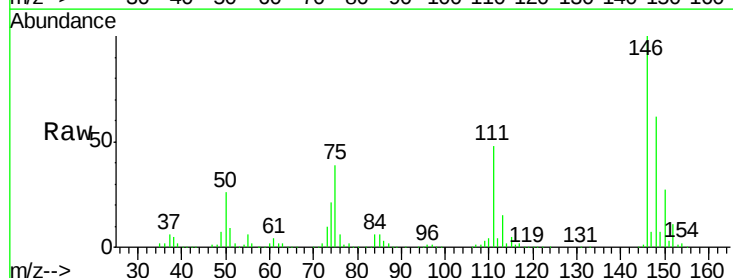
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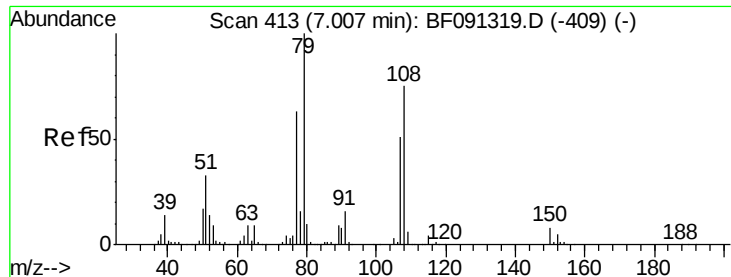
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#14
1,2-Dichlorobenzene
Concen: 34.13 ng
RT: 7.03 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.0	76.6
111	47.6	38.9	58.3





#15

Benzyl Alcohol

Concen: 41.66 ng

RT: 7.01 min Scan# 413

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

ClientSampleId :

113016-02MSD

Tgt Ion: 79 Resp: 504787
Ion Ratio Lower Upper

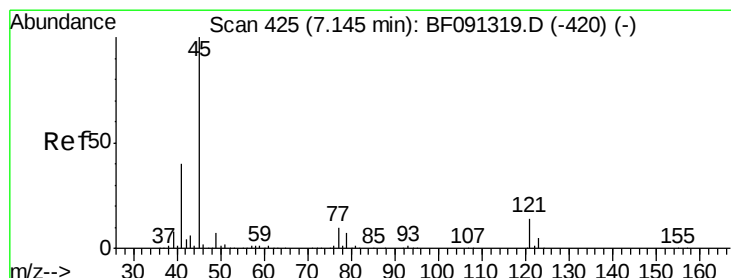
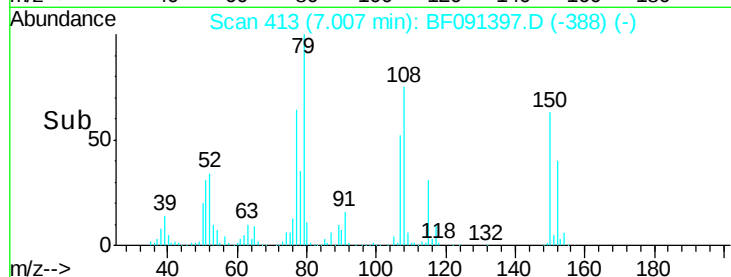
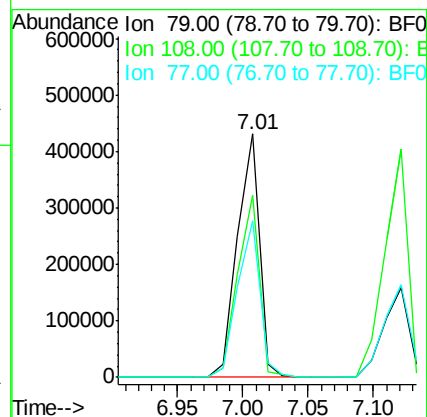
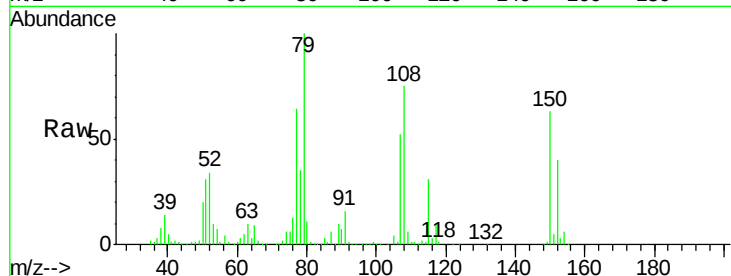
79 100

108 75.0 62.7 94.1

77 64.2 51.7 77.5

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#16

2,2'-oxybis(1-chloropropane)

Concen: 35.92 ng

RT: 7.14 min Scan# 425

Delta R.T. -0.02 min

Lab File: BF091397.D

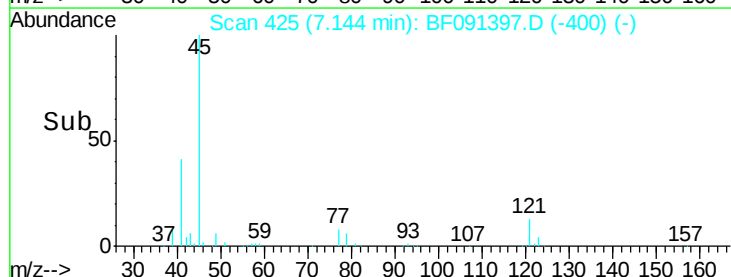
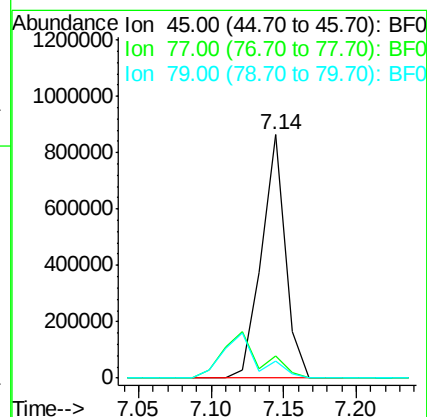
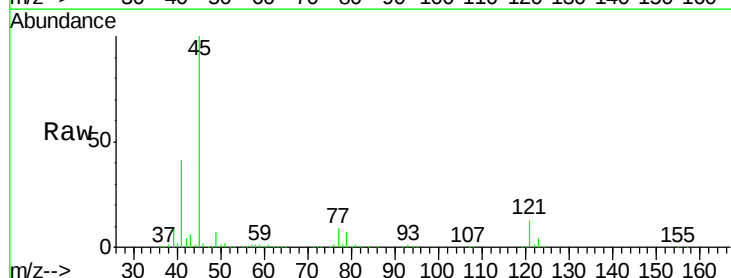
Acq: 2 Dec 2016 18:56

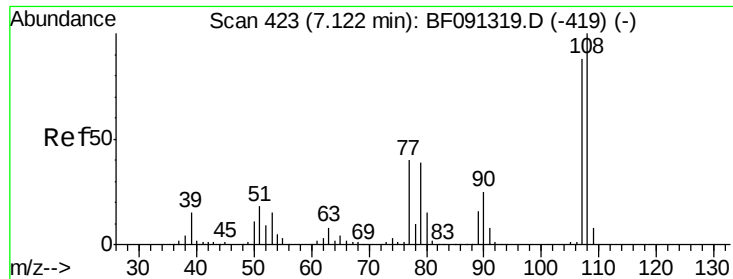
Tgt Ion: 45 Resp: 983051
Ion Ratio Lower Upper

45 100

77 9.3 3.8 43.8

79 7.2 0.2 40.2





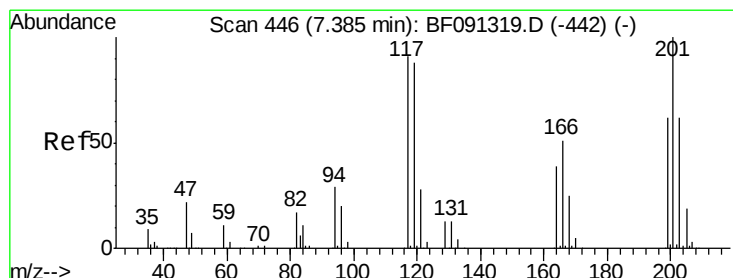
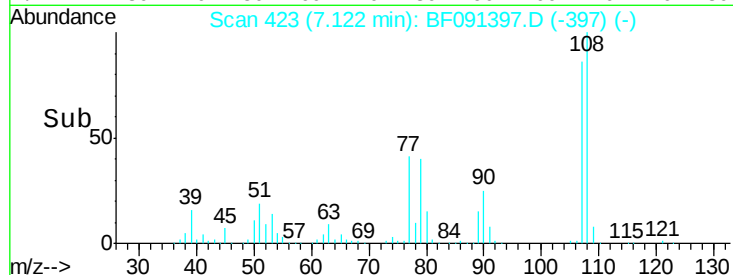
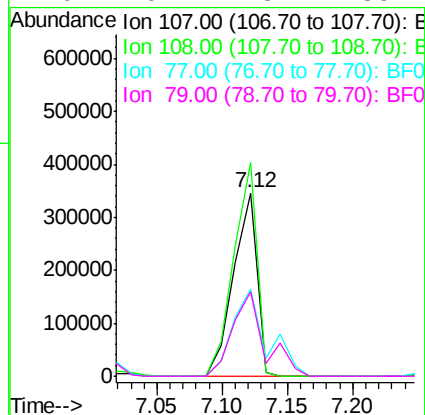
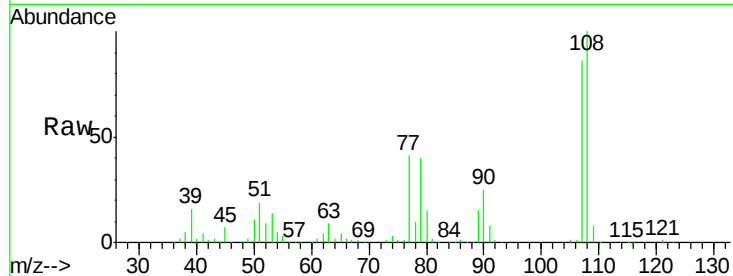
#17
2-Methylphenol
Concen: 40.37 ng
RT: 7.12 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
113016-02MSD

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	116.3	67.7	101.5#	
77	47.3	40.7	61.1	
79	46.2	23.4	35.2#	

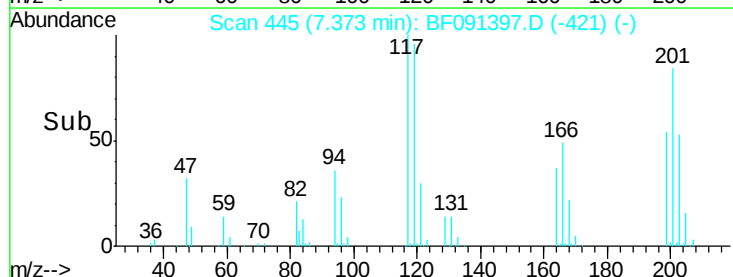
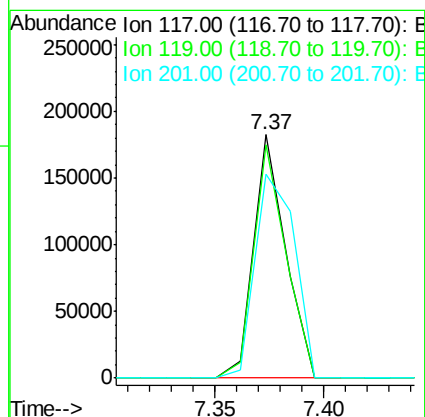
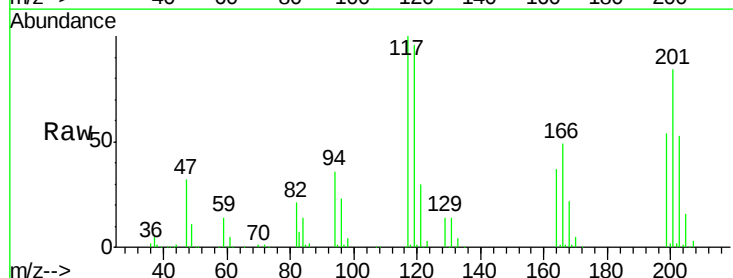
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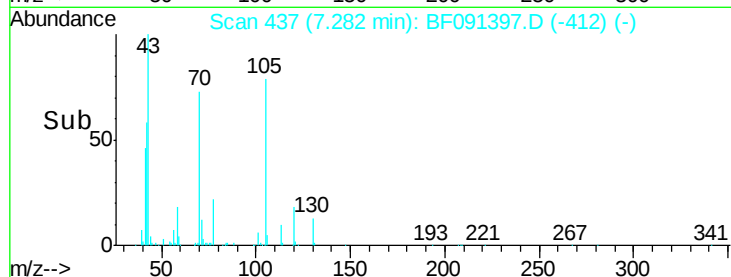
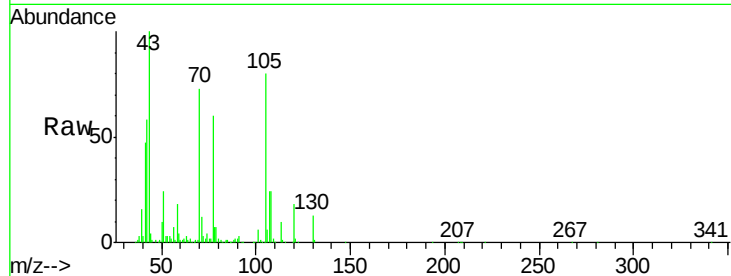
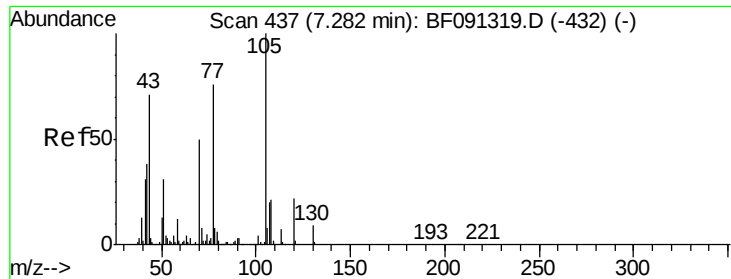
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#18
Hexachloroethane
Concen: 35.19 ng
RT: 7.37 min Scan# 445
Delta R.T. -0.03 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.0	78.6	118.0	
201	83.6	86.7	130.1#	





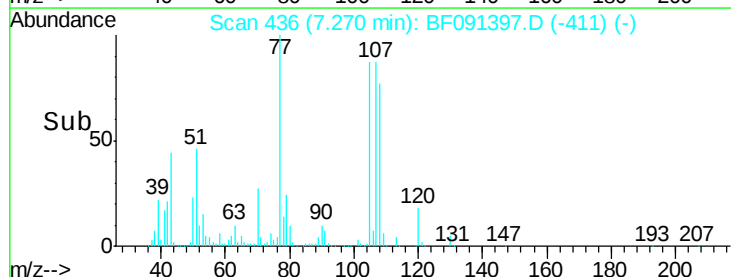
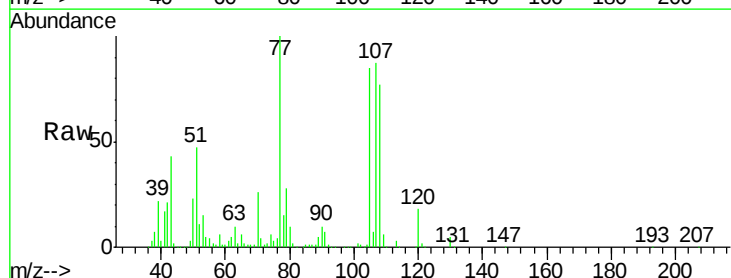
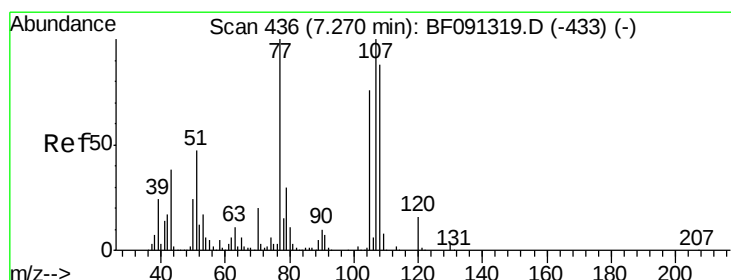
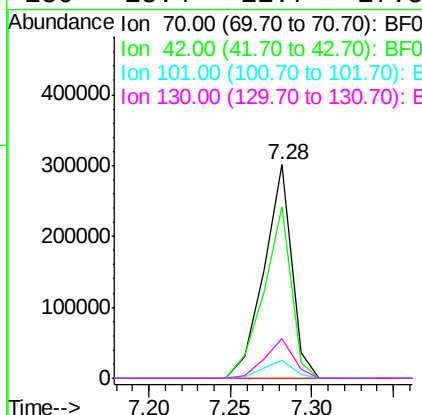
#19
n-Nitroso-di-n-propylamine
Concen: 37.39 ng
RT: 7.28 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
113016-02MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
70	100		
42	80.1	64.8	97.2
101	8.7	6.2	9.4
130	18.4	11.7	17.5#

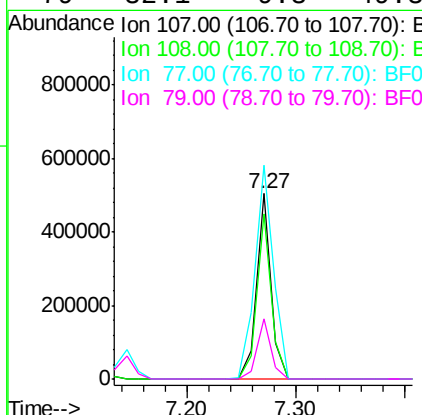
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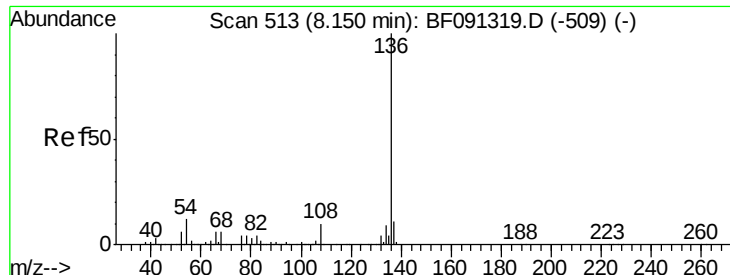
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#20
3+4-Methylphenols
Concen: 36.13 ng
RT: 7.27 min Scan# 436
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	89.2	64.6	104.6
77	115.2	30.9	70.9#
79	32.1	9.3	49.3





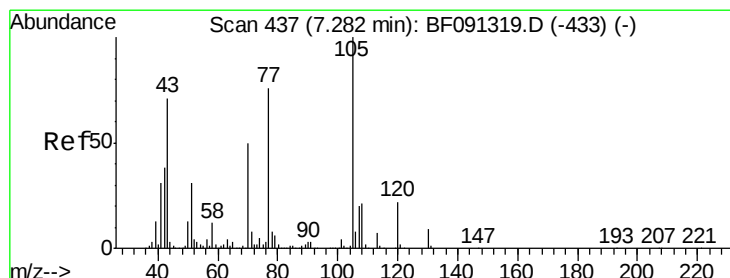
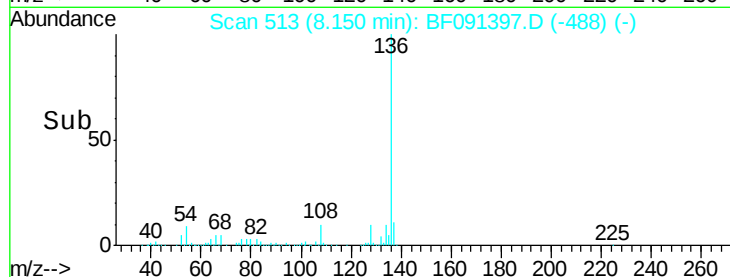
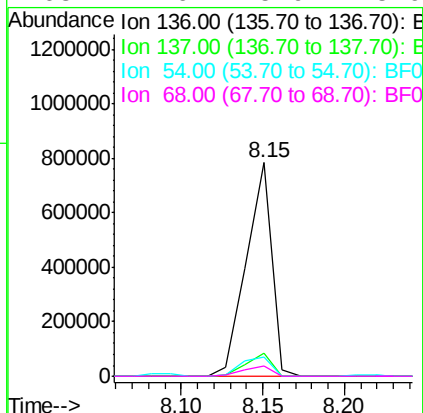
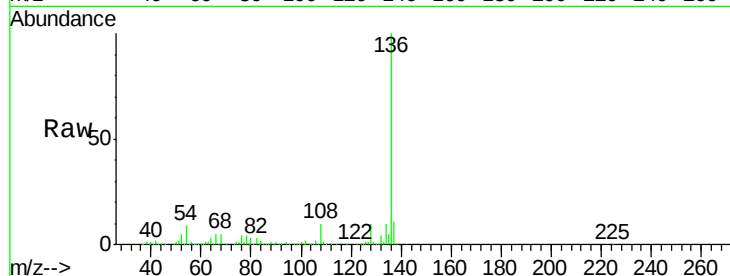
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
113016-02MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.8	9.1	13.7
54	9.2	9.1	13.7
68	4.6	5.9	8.9#

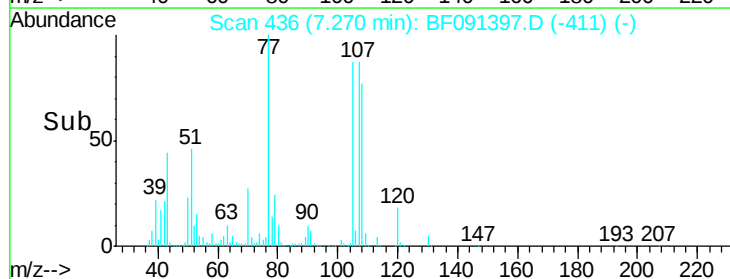
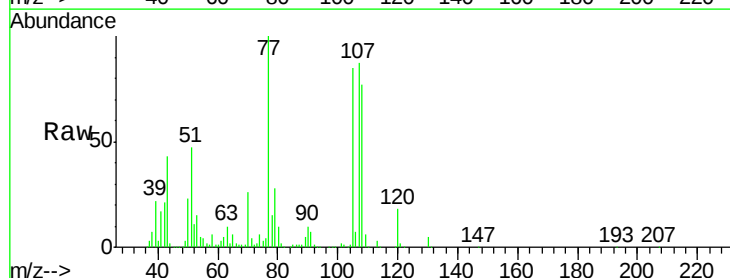
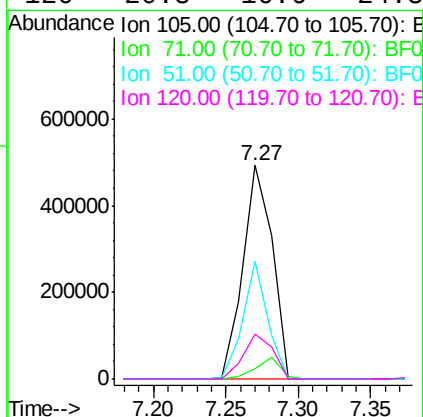
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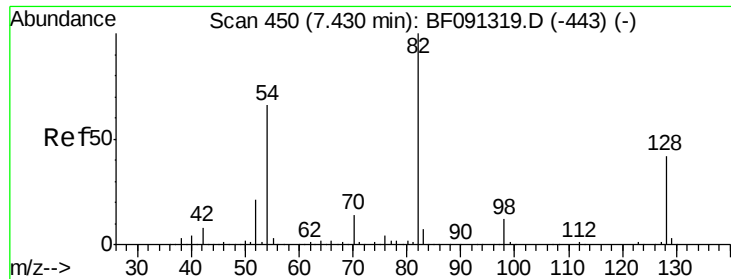
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#22
Acetophenone
Concen: 34.40 ng
RT: 7.27 min Scan# 436
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
71	4.8	7.9	11.9#
51	55.1	24.5	36.7#
120	20.8	16.6	24.8





#23

Nitrobenzene-d5

Concen: 77.79 ng

RT: 7.43 min Scan# 450

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

ClientSampleId :

113016-02MSD

Tgt Ion: 82 Resp: 1175738

Ion Ratio Lower Upper

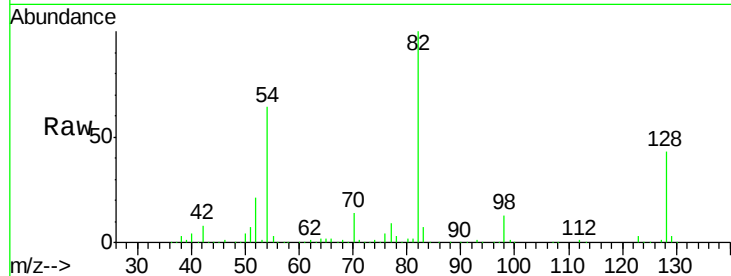
82 100

128 43.0 31.8 47.6

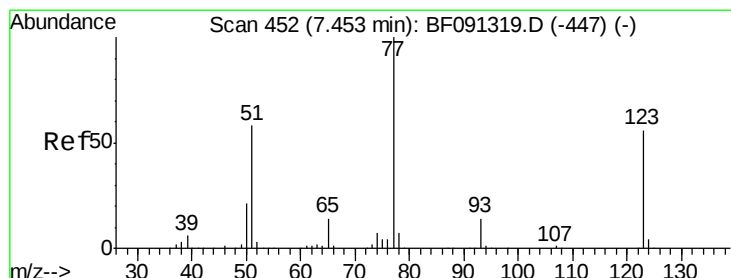
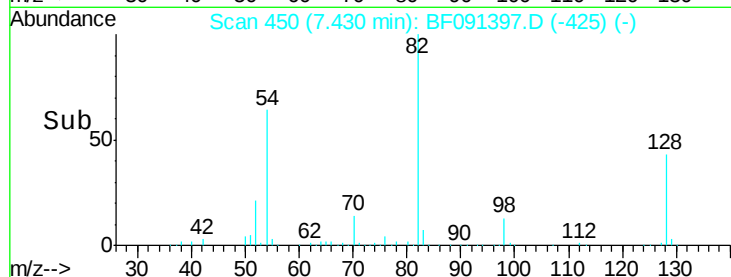
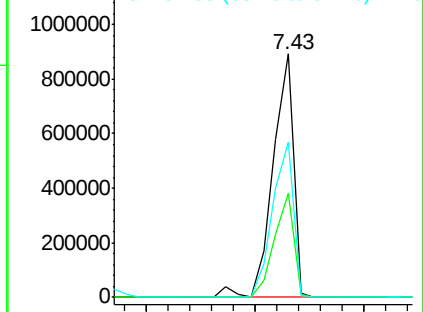
54 64.0 49.1 73.7

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 31.86 ng

RT: 7.44 min Scan# 451

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

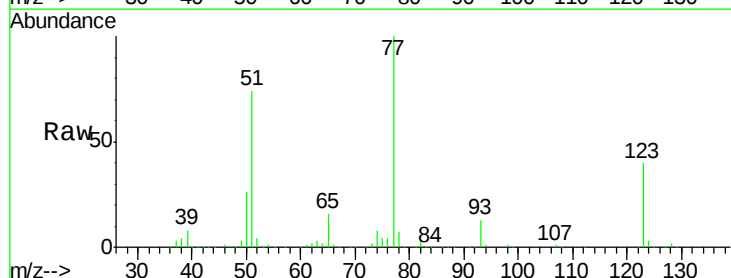
Tgt Ion: 77 Resp: 493011

Ion Ratio Lower Upper

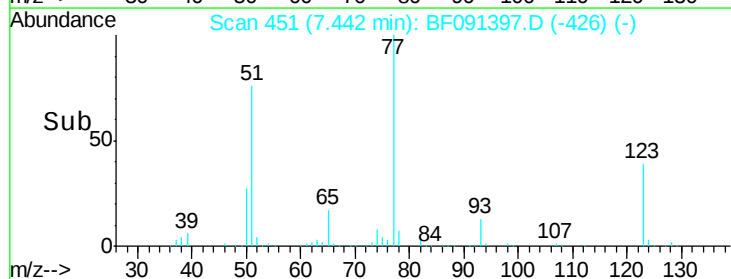
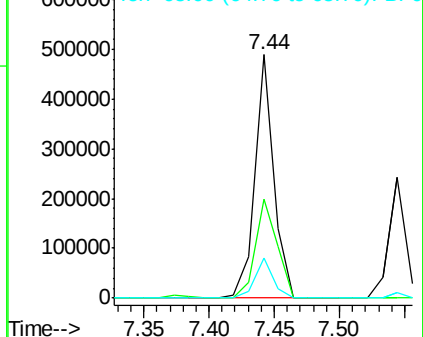
77 100

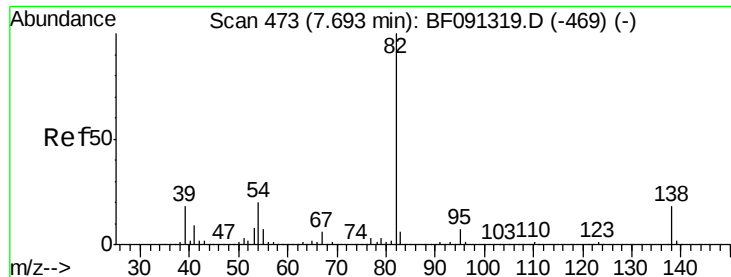
123 40.5 28.5 42.7

65 16.2 12.5 18.7



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 38.33 ng

RT: 7.69 min Scan# 473

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

ClientSampleId :

113016-02MSD

Tgt Ion: 82 Resp: 1026314

Ion Ratio Lower Upper

82 100

95 7.7 5.7 8.5

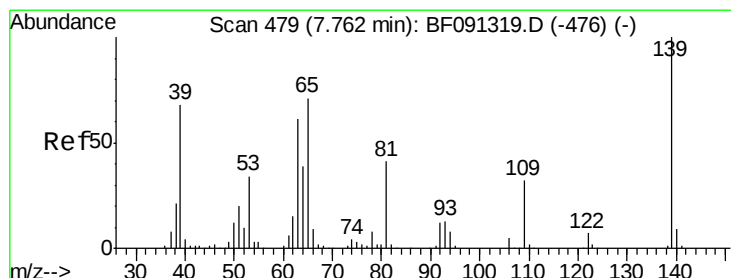
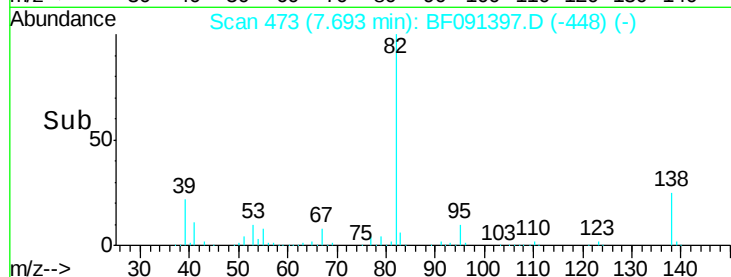
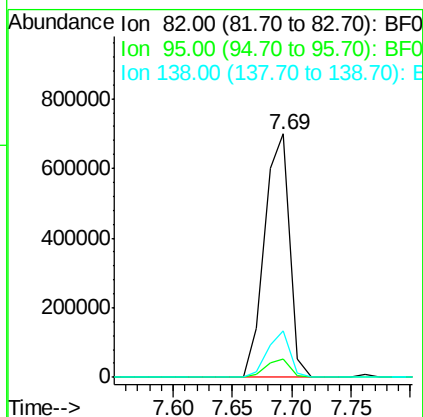
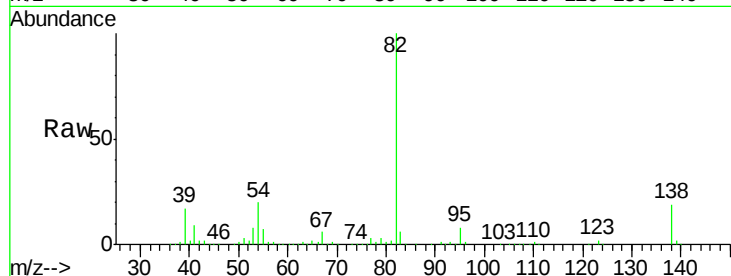
138 19.2 13.4 20.0

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#26

2-Nitrophenol

Concen: 38.28 ng

RT: 7.76 min Scan# 479

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

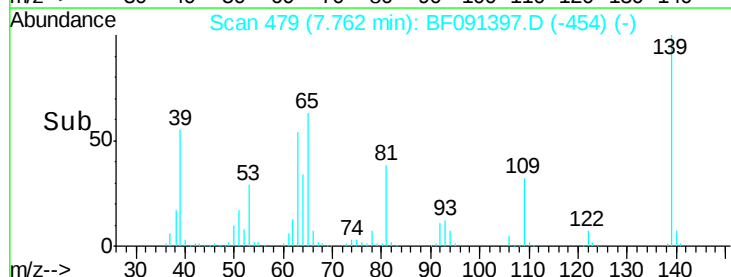
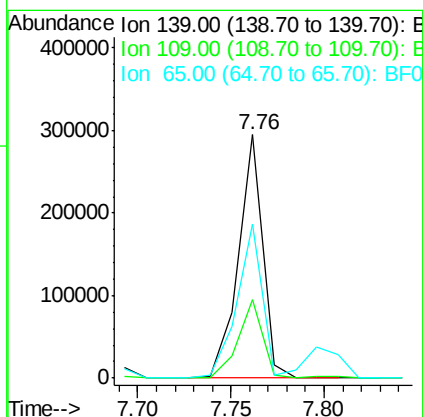
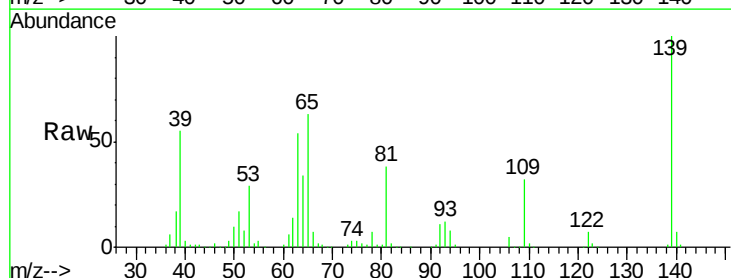
Tgt Ion: 139 Resp: 269938

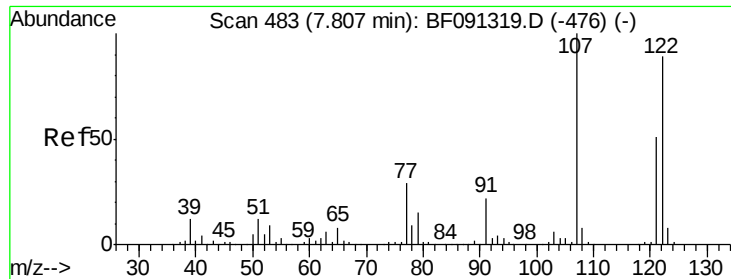
Ion Ratio Lower Upper

139 100

109 32.0 25.3 37.9

65 63.2 55.4 83.2





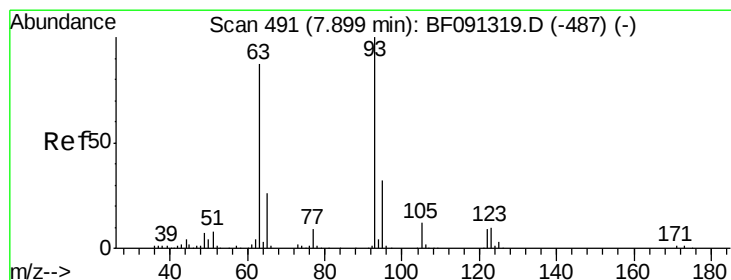
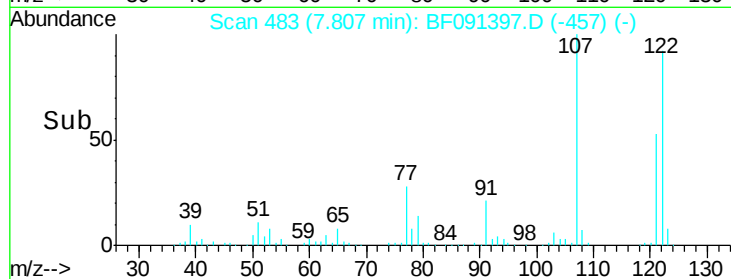
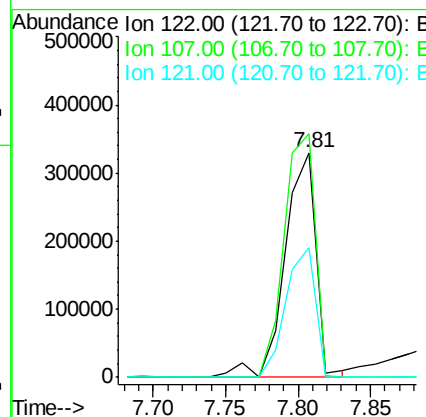
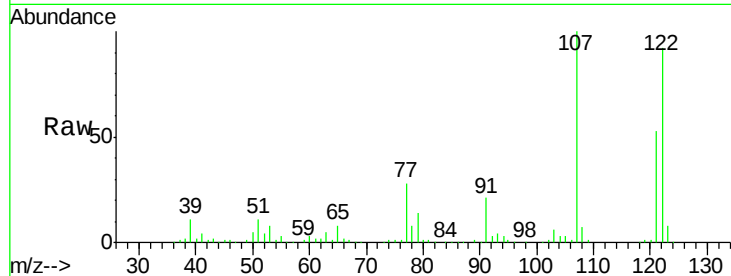
#27
 2,4-Dimethylphenol
 Concen: 36.98 ng
 RT: 7.81 min Scan# 483
 Delta R.T. -0.01 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	487853		
107	108.5	96.8	145.2	
121	57.8	47.7	71.5	

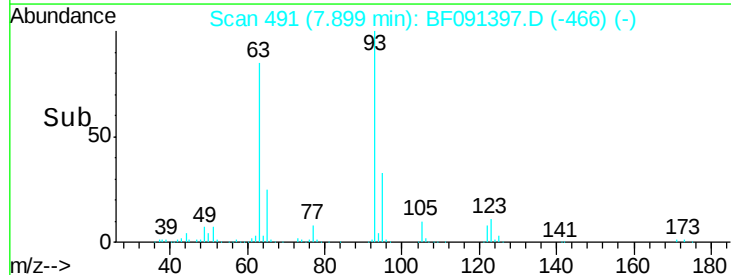
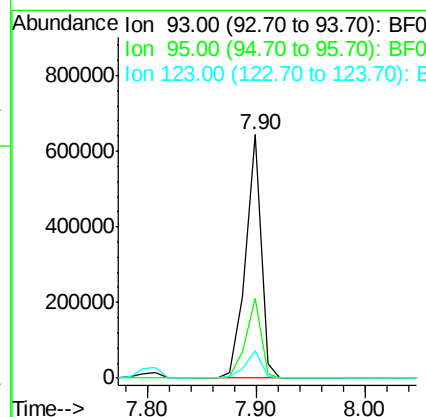
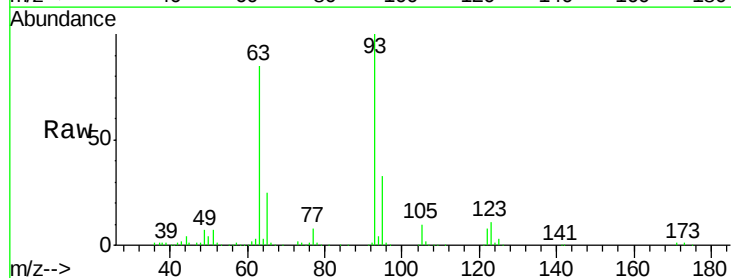
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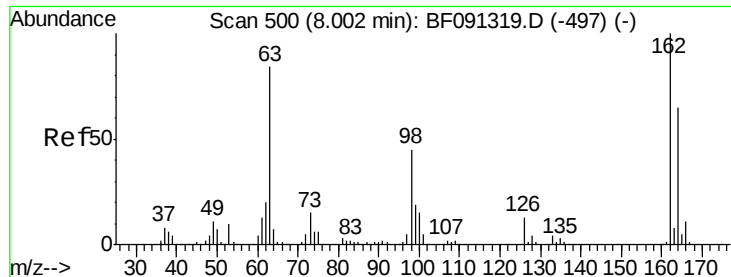
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#28
 bis(2-Chloroethoxy)methane
 Concen: 38.75 ng
 RT: 7.90 min Scan# 491
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	624475		
95	32.9	26.0	39.0	
123	11.0	8.6	12.8	





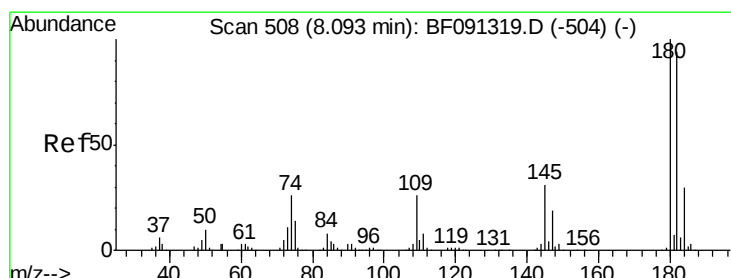
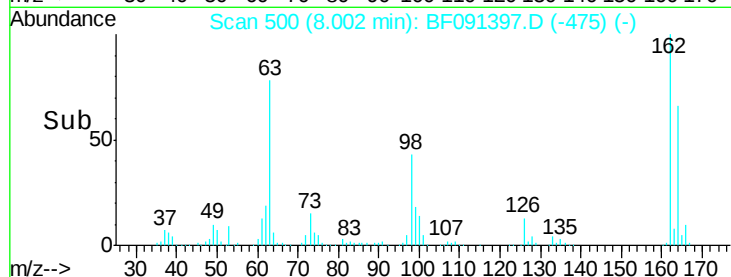
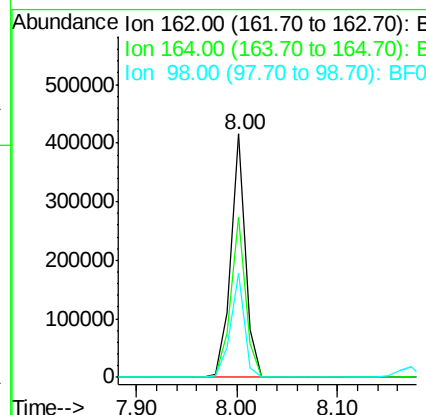
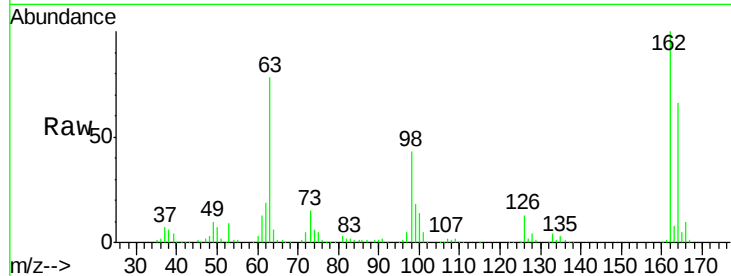
#29
 2,4-Dichlorophenol
 Concen: 36.54 ng
 RT: 8.00 min Scan# 500
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	424053		
164	65.9	45.0	85.0	
98	42.7	21.3	61.3	

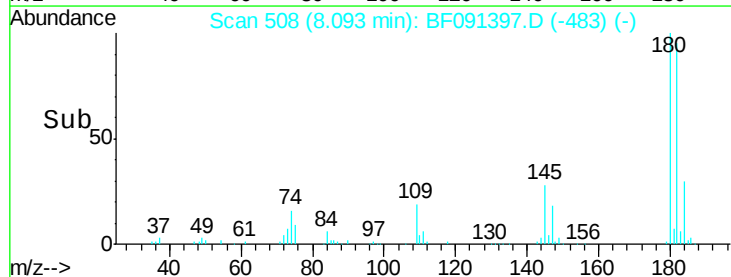
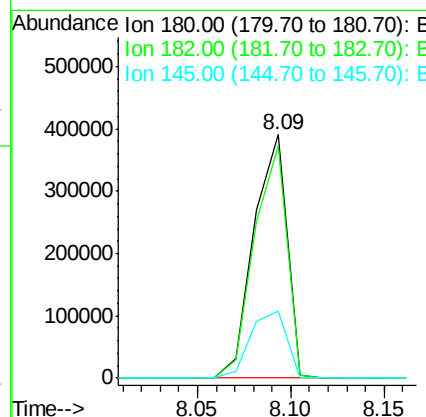
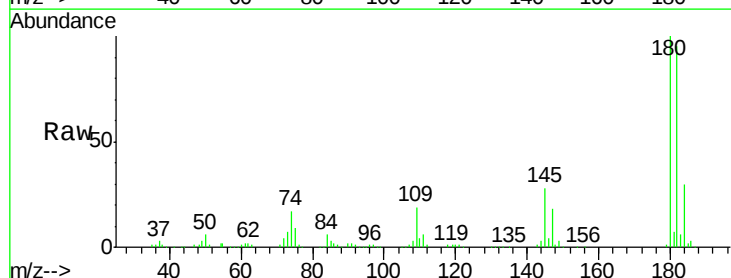
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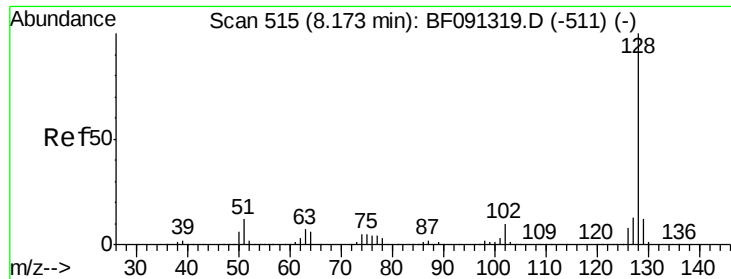
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#30
 1,2,4-Trichlorobenzene
 Concen: 36.69 ng
 RT: 8.09 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	477383		
182	95.3	75.8	113.8	
145	27.7	27.0	40.4	





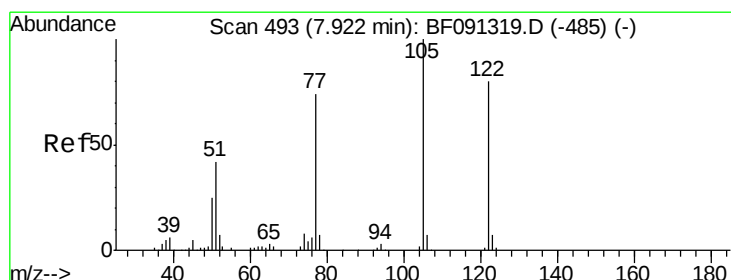
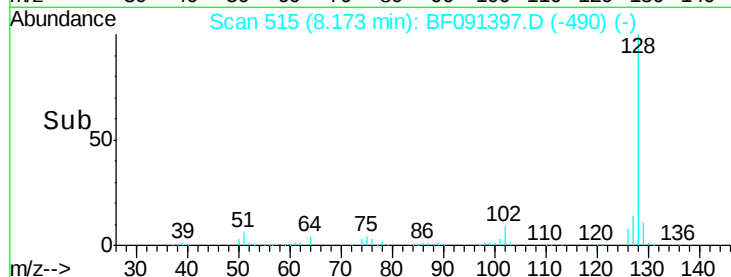
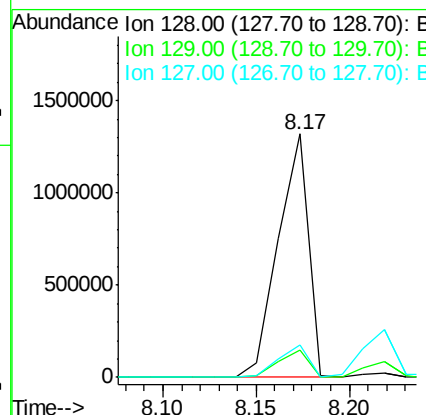
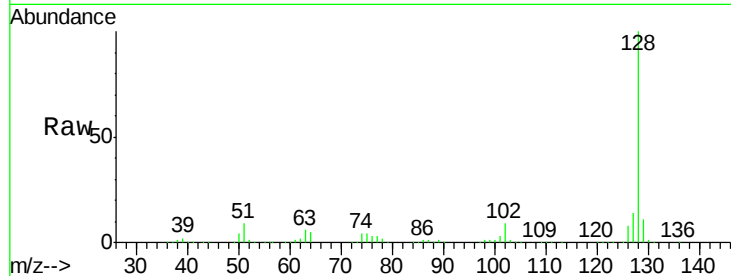
#31
Naphthalene
Concen: 36.80 ng
RT: 8.17 min Scan# 515
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
113016-02MSD

Tgt Ion:128 Resp: 1481458
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 13.6 11.0 16.4

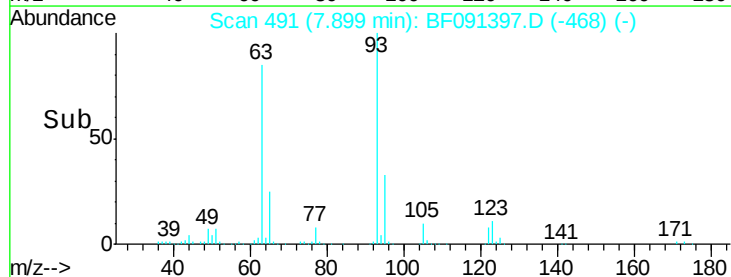
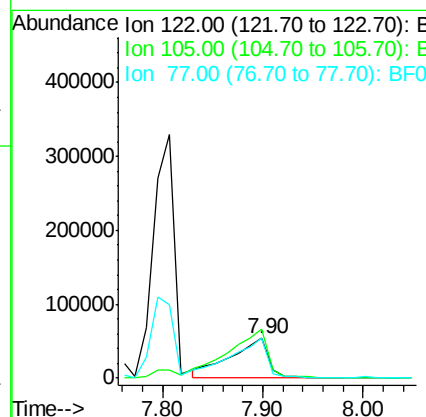
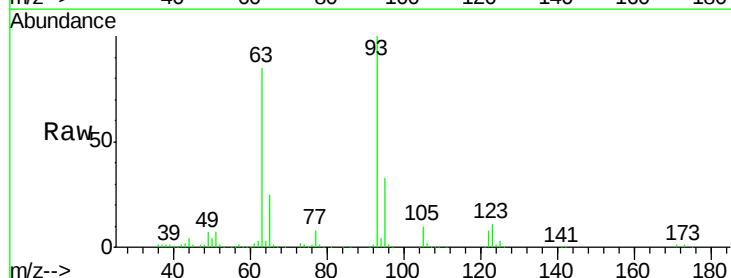
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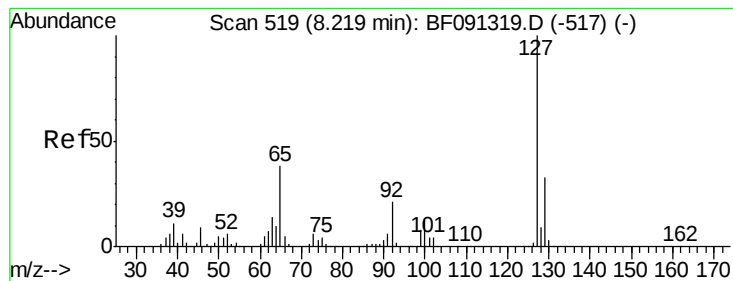
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#32
Benzoic acid
Concen: 14.62 ng
RT: 7.90 min Scan# 491
Delta R.T. -0.04 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Tgt Ion:122 Resp: 142137
Ion Ratio Lower Upper
122 100
105 123.7 113.0 153.0
77 101.7 82.0 122.0





#33

4-Chloroaniline

Concen: 18.17 ng

RT: 8.22 min Scan# 519

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

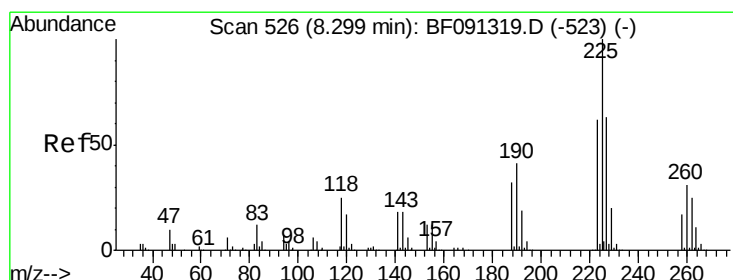
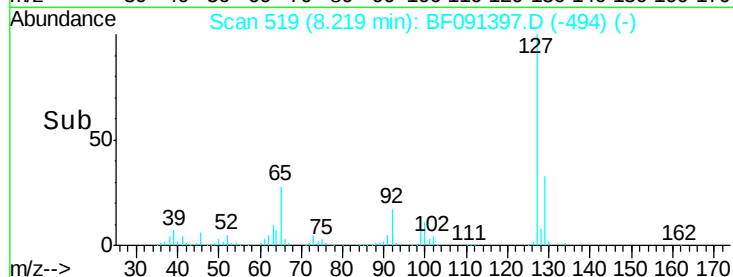
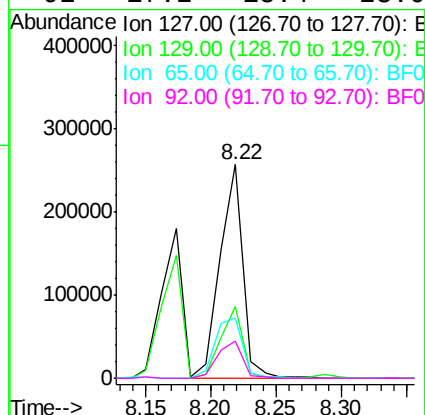
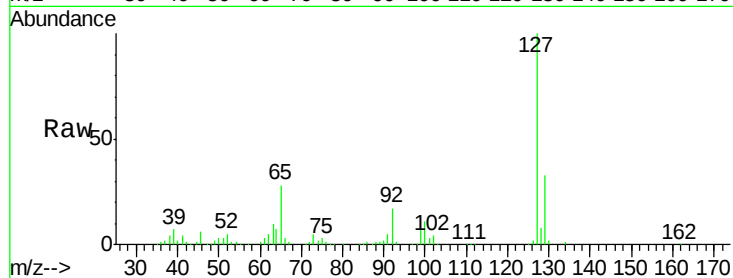
ClientSampleId :

113016-02MSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	312687		
129	33.3	26.2	39.4	
65	28.3	26.6	39.8	
92	17.2	15.4	23.0	

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#34

Hexachlorobutadiene

Concen: 33.19 ng

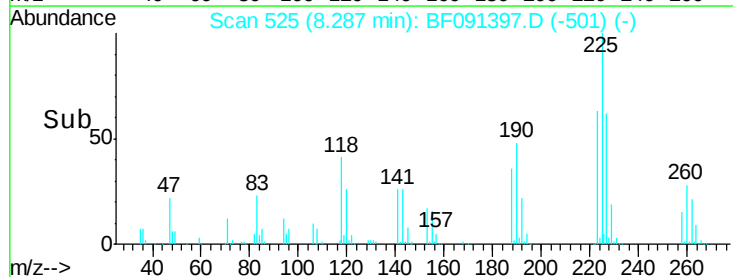
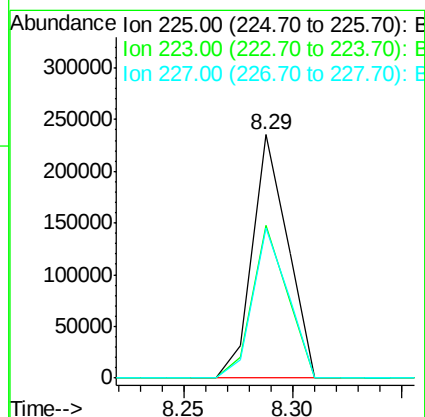
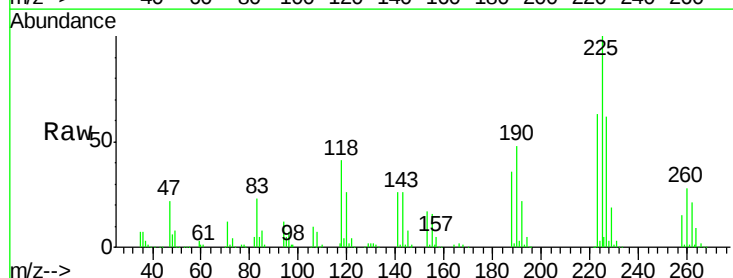
RT: 8.29 min Scan# 525

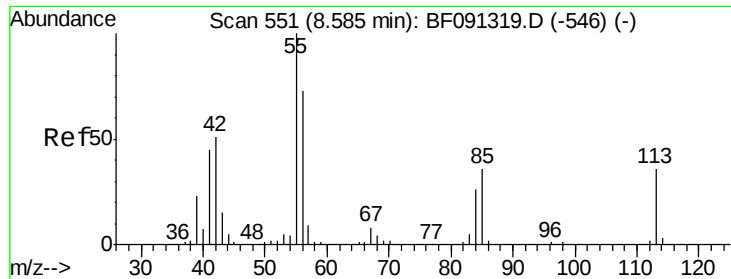
Delta R.T. -0.03 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	265545		
223	62.7	49.8	74.6	
227	61.9	52.6	79.0	





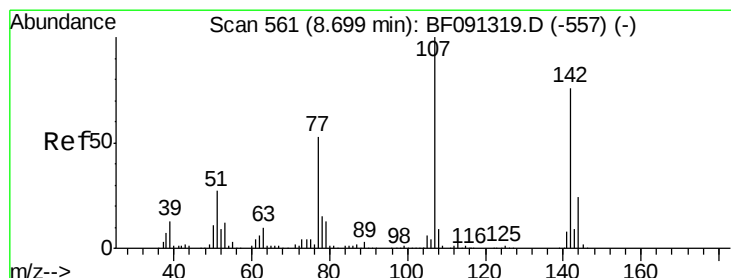
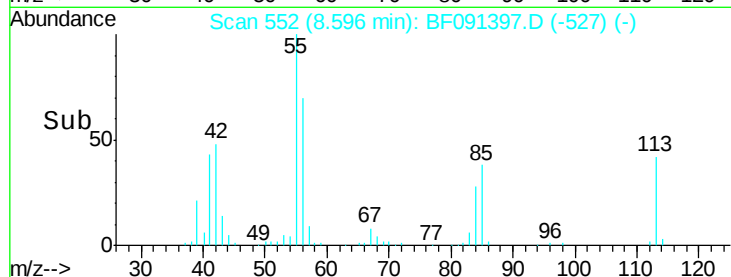
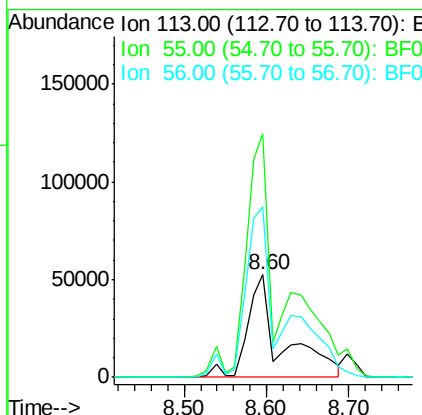
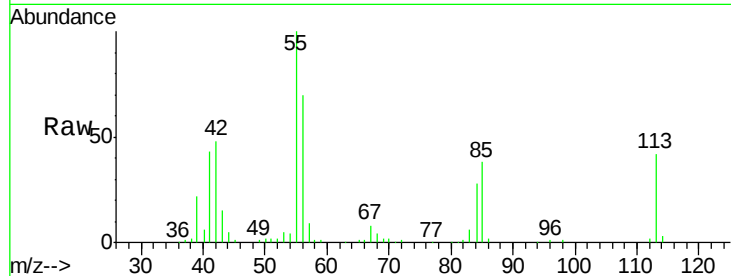
#35
 Caprolactam
 Concen: 45.04 ng m
 RT: 8.60 min Scan# 552
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD

Tgt Ion:113 Resp: 150233
 Ion Ratio Lower Upper
 113 100
 55 237.9 239.8 279.8#
 56 167.2 165.6 205.6

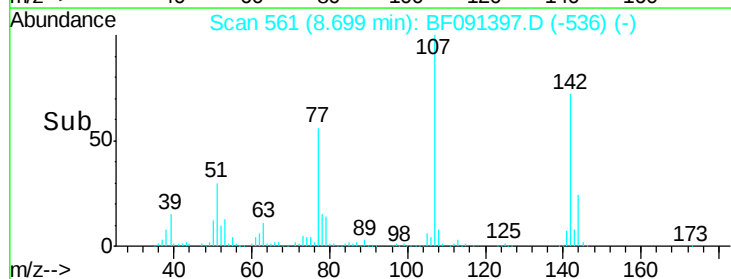
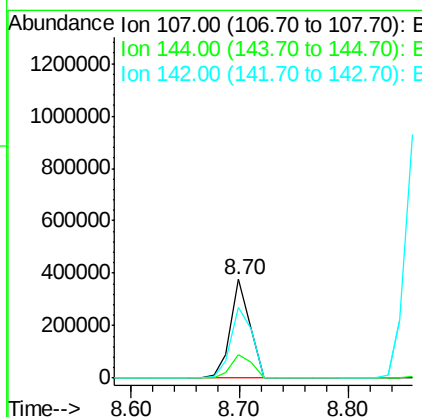
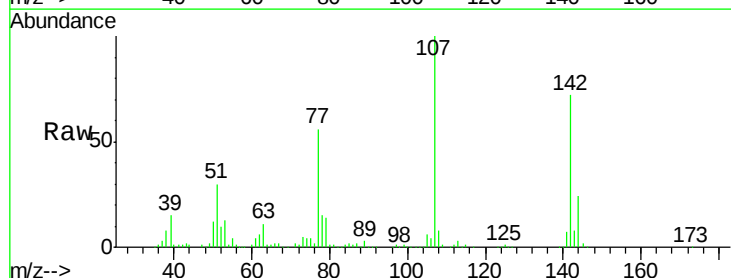
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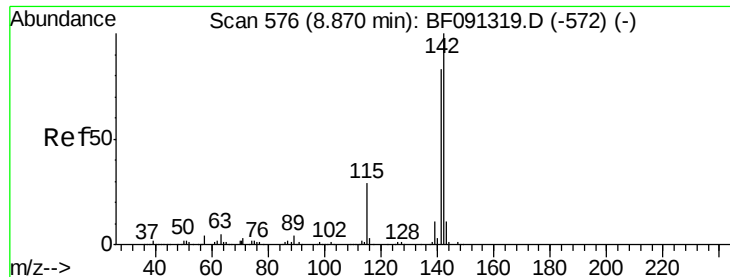
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#36
 4-Chloro-3-methylphenol
 Concen: 36.63 ng
 RT: 8.70 min Scan# 561
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Tgt Ion:107 Resp: 458875
 Ion Ratio Lower Upper
 107 100
 144 23.5 18.9 28.3
 142 72.4 58.5 87.7





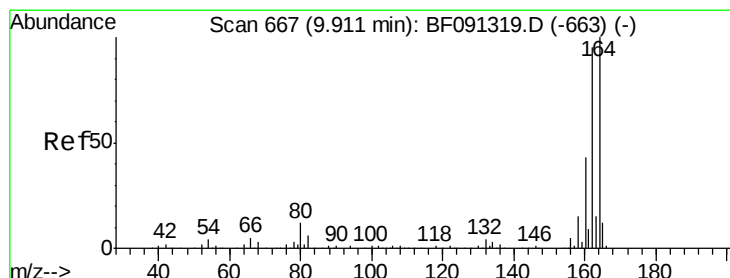
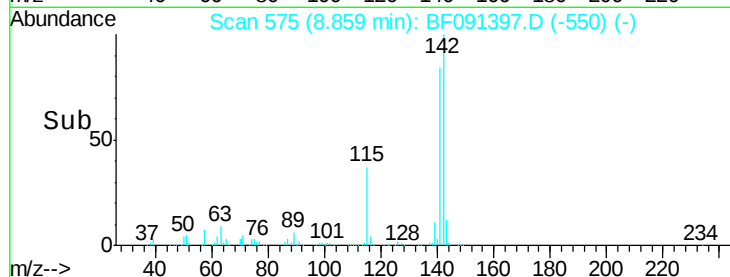
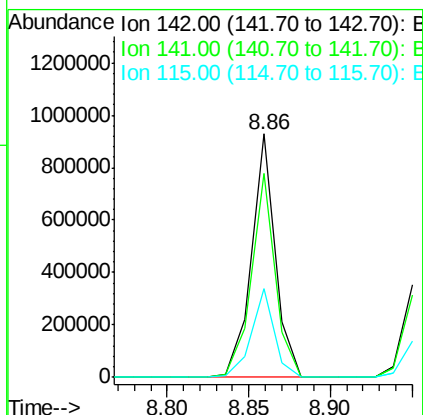
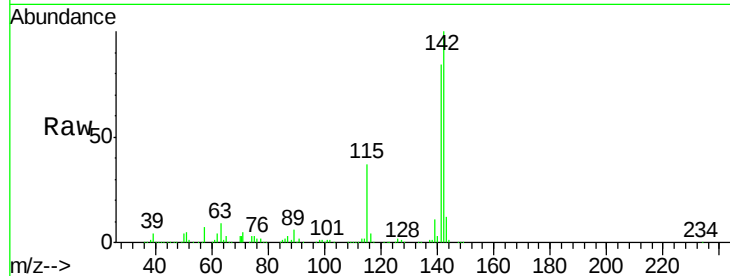
#37
2-Methylnaphthalene
Concen: 34.40 ng
RT: 8.86 min Scan# 575
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
113016-02MSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	71.7	107.5
115	36.6	25.0	37.6

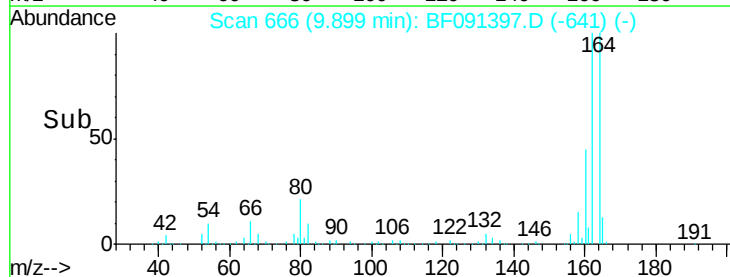
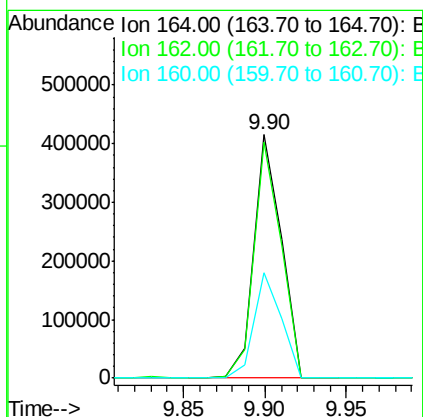
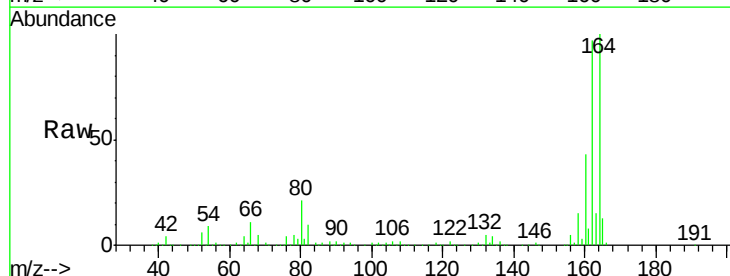
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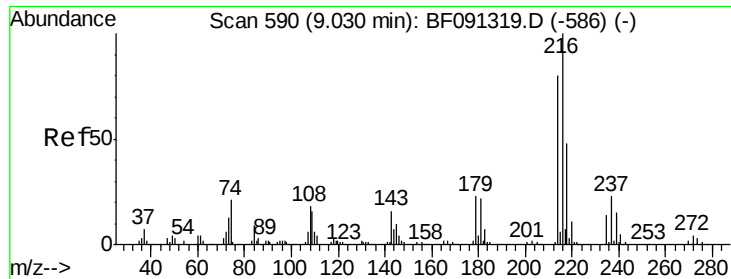
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 666
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.9	82.6	124.0
160	43.4	36.7	55.1





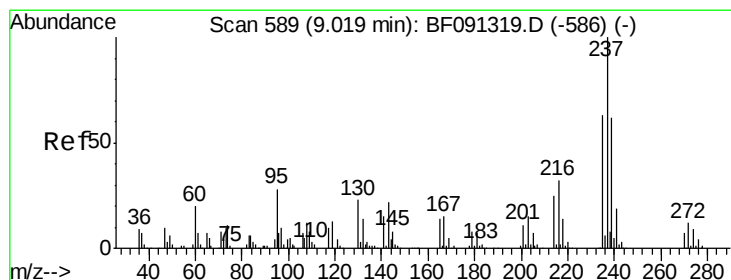
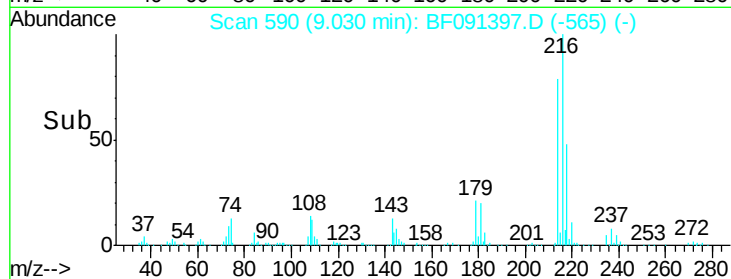
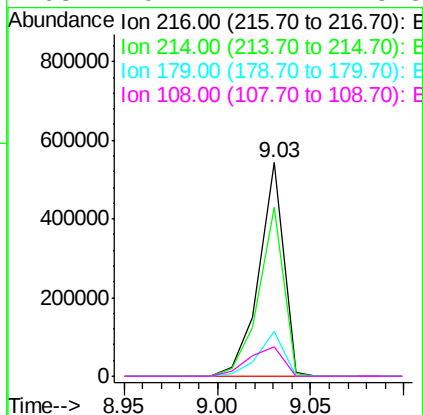
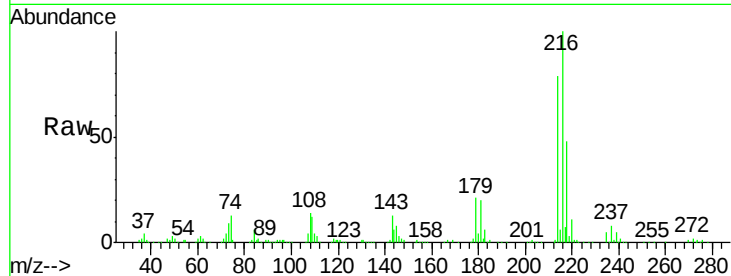
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 36.53 ng
 RT: 9.03 min Scan# 590
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD

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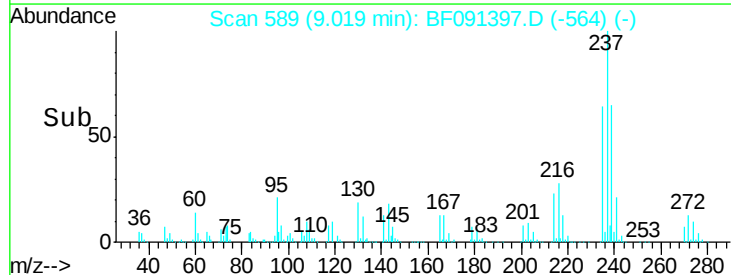
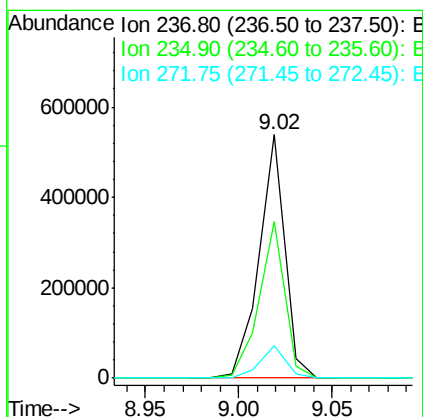
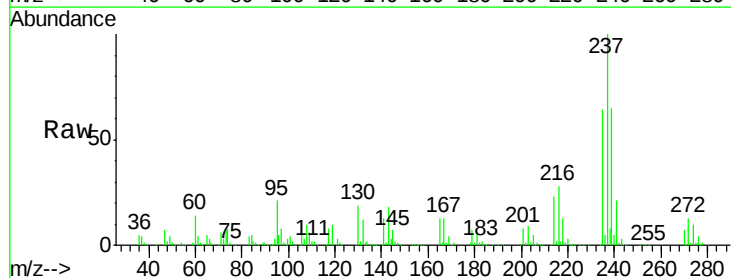
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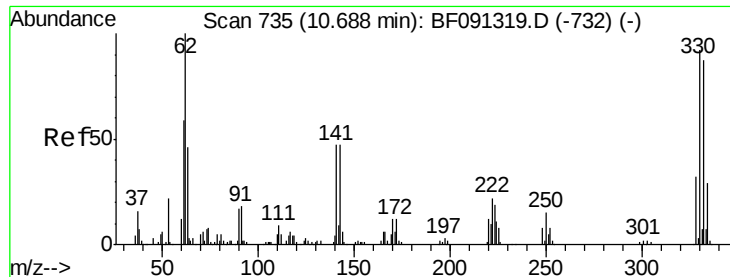
Tgt Ion:	216	Resp:	499127
Ion Ratio	Lower	Upper	
216	100		
214	79.6	63.8	95.8
179	21.5	18.2	27.2
108	19.2	17.2	25.8



#40
 Hexachlorocyclopentadiene
 Concen: 80.93 ng
 RT: 9.02 min Scan# 589
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Tgt Ion:	237	Resp:	512621
Ion Ratio	Lower	Upper	
237	100		
235	64.5	43.9	83.9
272	13.2	0.0	33.1





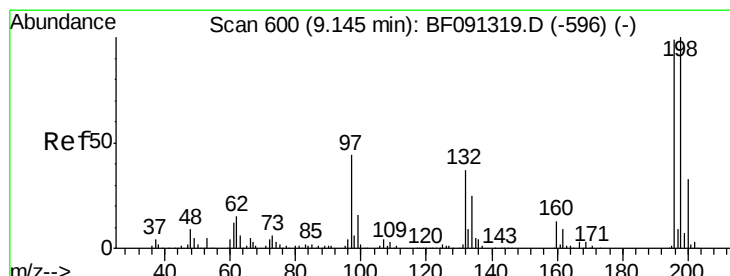
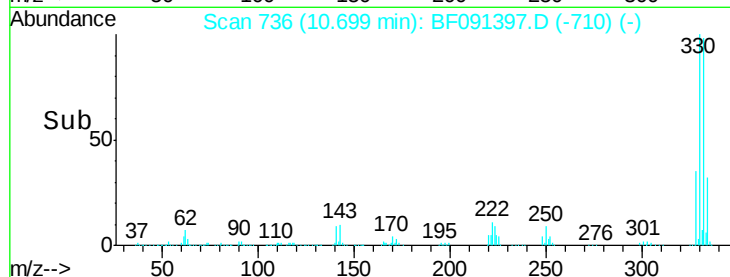
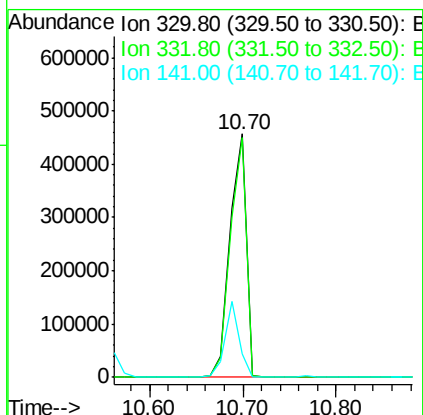
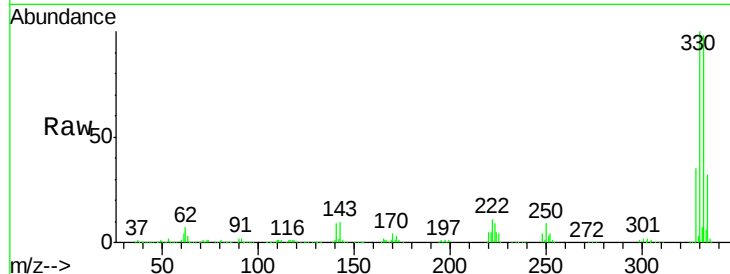
#41
 2,4,6-Tribromophenol
 Concen: 123.11 ng
 RT: 10.70 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	564942		
332	96.7	76.2	114.4	
141	26.6	33.6	50.4	

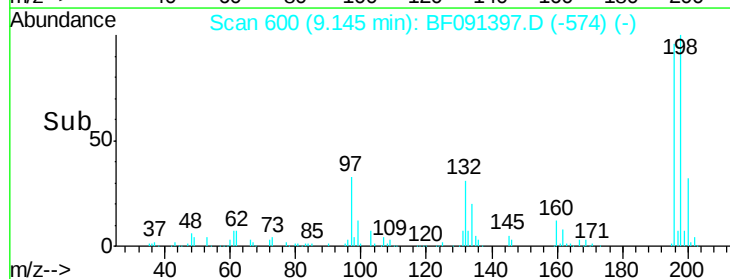
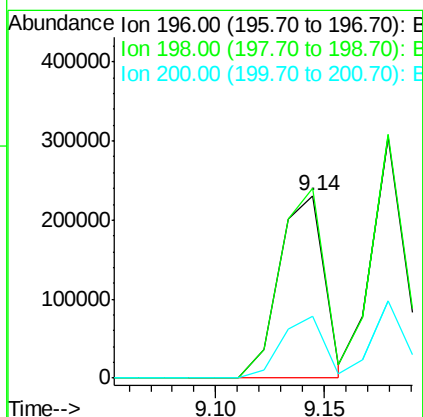
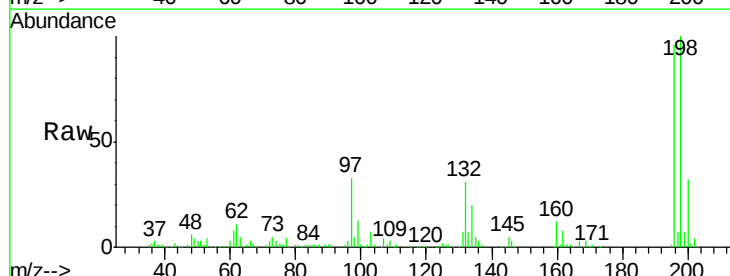
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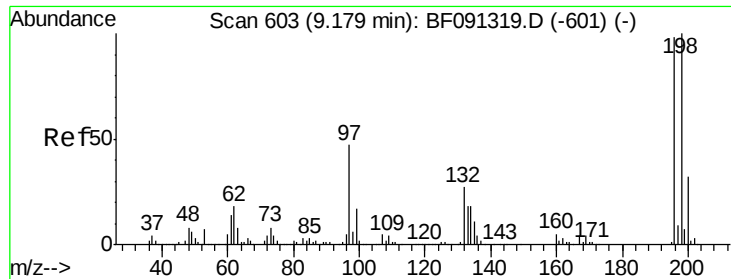
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#42
 2,4,6-Trichlorophenol
 Concen: 37.64 ng
 RT: 9.14 min Scan# 600
 Delta R.T. -0.01 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

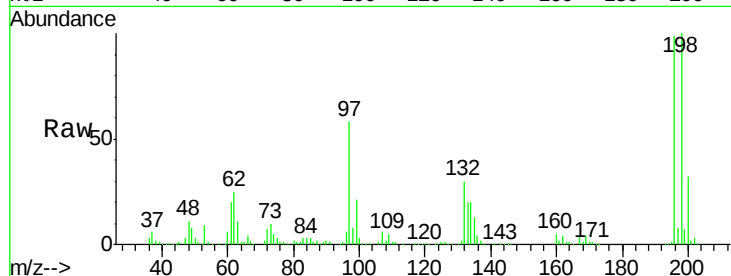
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	334264		
198	103.9	77.4	116.0	
200	33.6	25.2	37.8	





#43
 2,4,5-Trichlorophenol
 Concen: 36.36 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

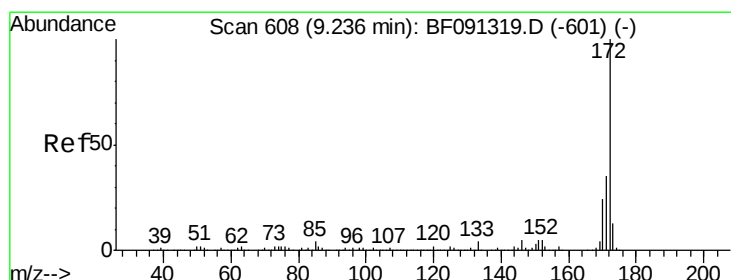
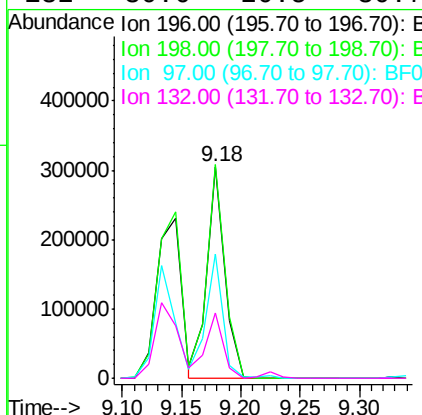
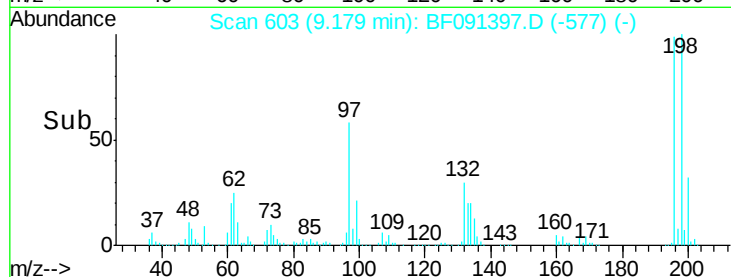
Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD



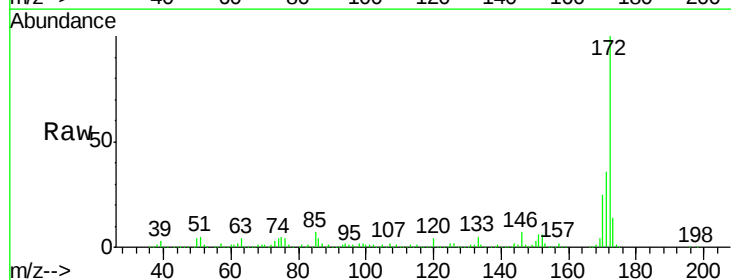
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	323620		
198	100.8	77.0	115.6	
97	58.8	33.5	50.3	
132	30.6	20.5	30.7	

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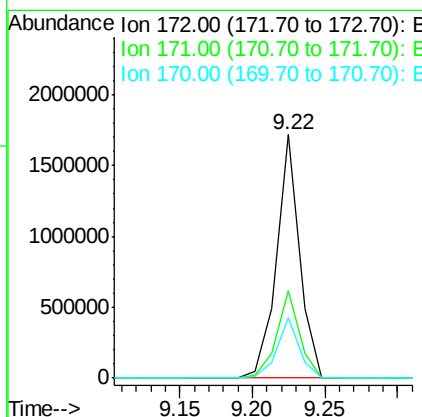
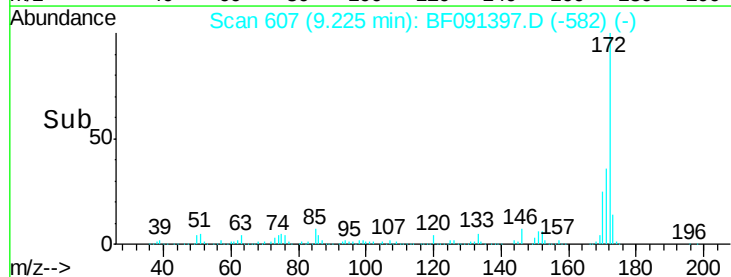
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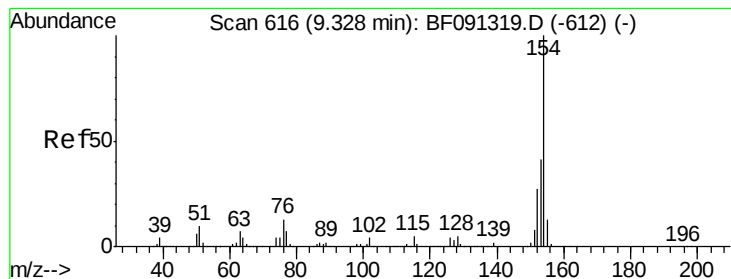


#44
 2-Fluorobiphenyl
 Concen: 70.55 ng
 RT: 9.22 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1888623		
171	36.1	29.4	44.0	
170	24.7	19.7	29.5	





#45

1,1'-Biphenyl

Concen: 36.44 ng

RT: 9.33 min Scan# 616

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

ClientSampleId :

113016-02MSD

Tgt Ion:154 Resp: 1270114

Ion Ratio Lower Upper

154 100

153 40.4 20.6 60.6

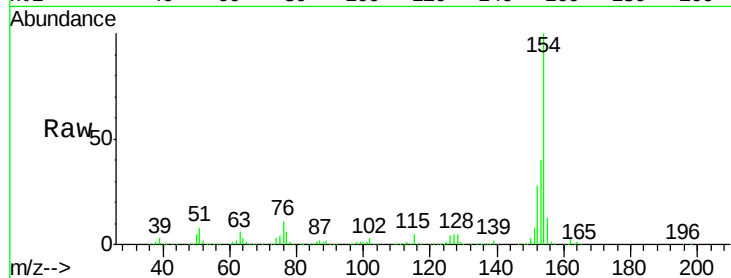
76 10.9 0.0 36.6

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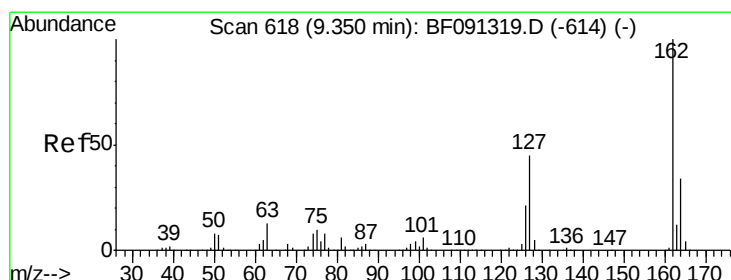
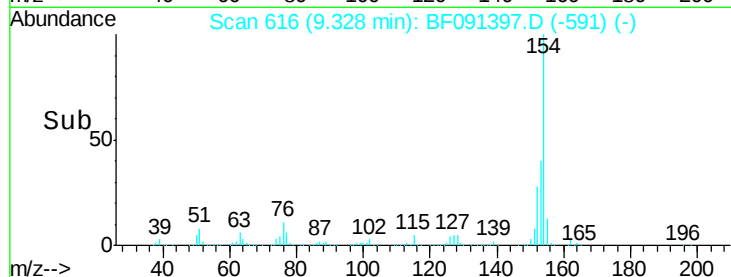
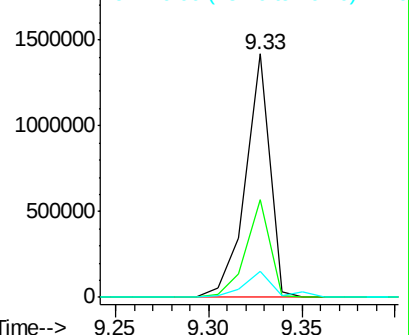
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 36.27 ng

RT: 9.35 min Scan# 618

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

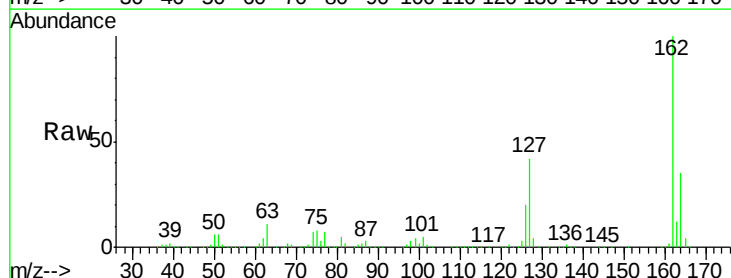
Tgt Ion:162 Resp: 941595

Ion Ratio Lower Upper

162 100

127 41.8 34.3 51.5

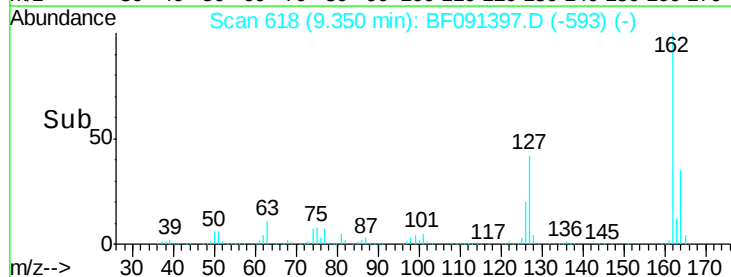
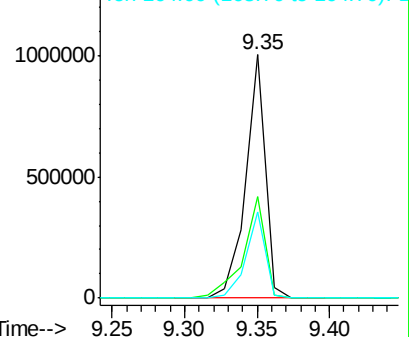
164 35.4 26.6 40.0

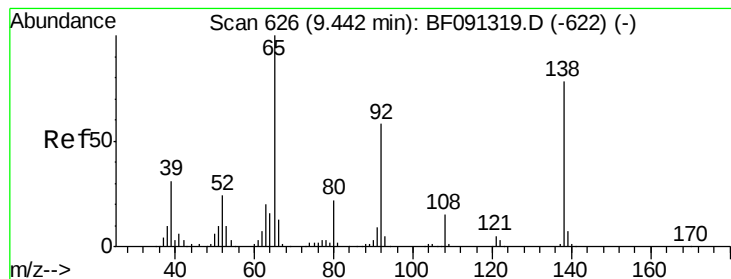


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 36.28 ng

RT: 9.44 min Scan# 626

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

ClientSampleId :

113016-02MSD

Tgt Ion: 65 Resp: 338226
Ion Ratio Lower Upper

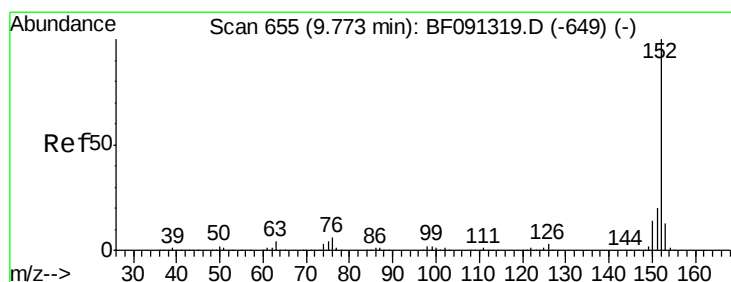
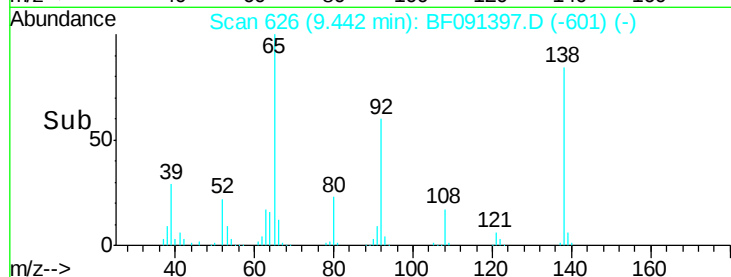
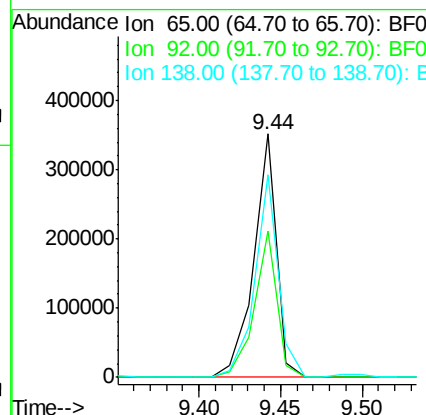
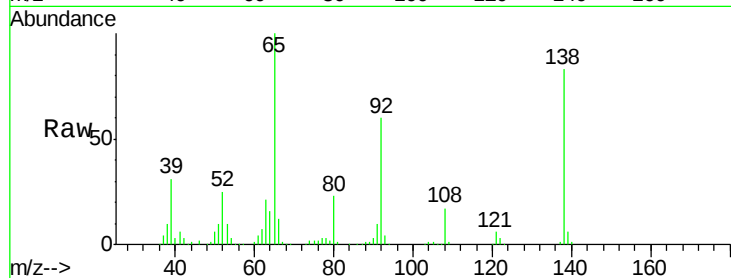
65 100

92 59.9 53.6 80.4

138 83.3 91.0 136.6#

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#48

Acenaphthylene

Concen: 32.63 ng

RT: 9.76 min Scan# 654

Delta R.T. -0.02 min

Lab File: BF091397.D

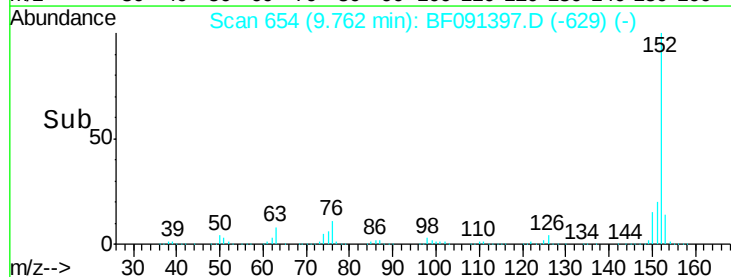
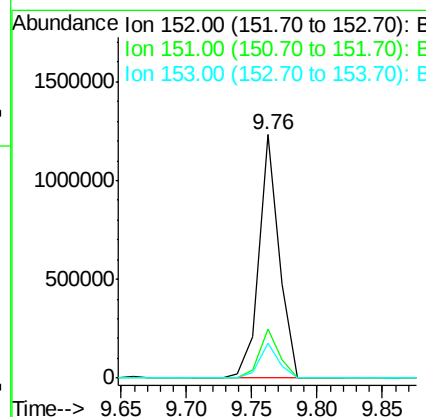
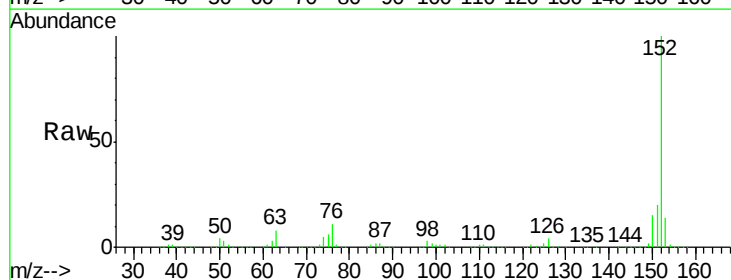
Acq: 2 Dec 2016 18:56

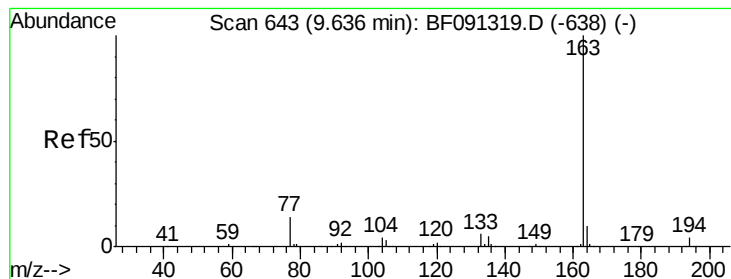
Tgt Ion: 152 Resp: 1333546
Ion Ratio Lower Upper

152 100

151 20.3 16.6 24.8

153 14.5 10.7 16.1





#49

Dimethylphthalate

Concen: 46.34 ng

RT: 9.64 min Scan# 643

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

ClientSampleId :

113016-02MSD

Tgt Ion:163 Resp: 1359989

Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.4

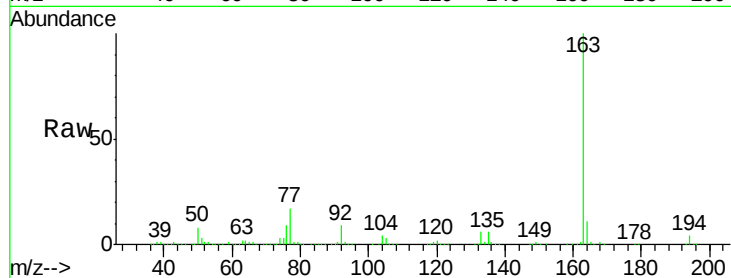
164 10.5 7.8 11.8

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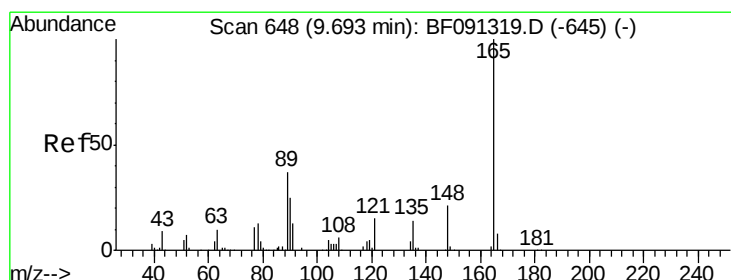
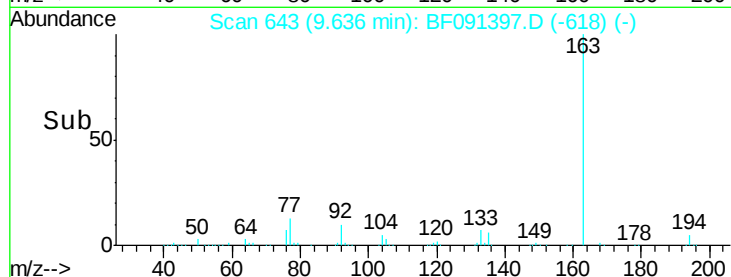
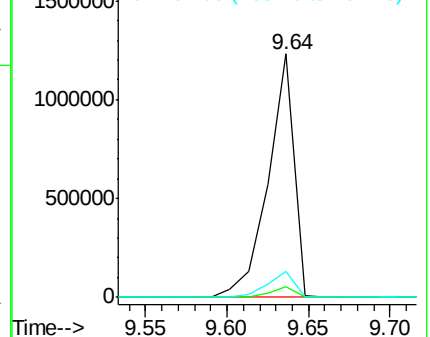
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 40.52 ng

RT: 9.69 min Scan# 648

Delta R.T. -0.01 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

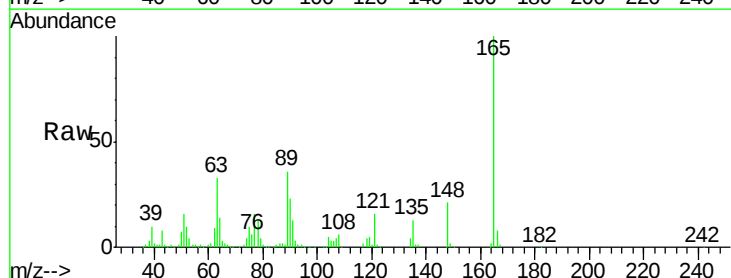
Tgt Ion:165 Resp: 265843

Ion Ratio Lower Upper

165 100

63 32.7 59.4 89.0#

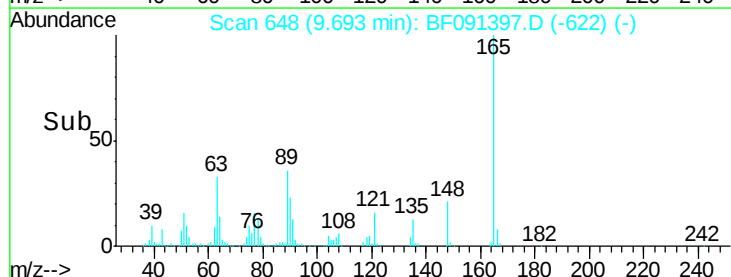
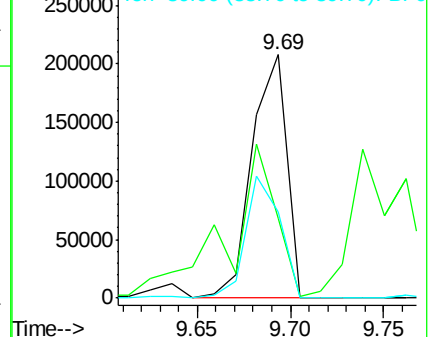
89 35.6 50.8 76.2#

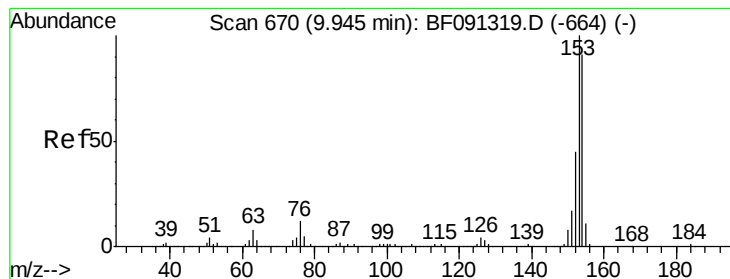


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 35.80 ng

RT: 9.93 min Scan# 669

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

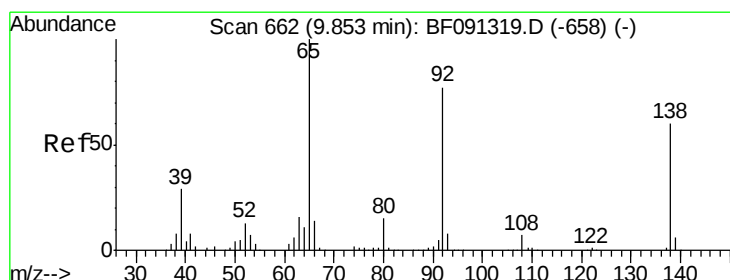
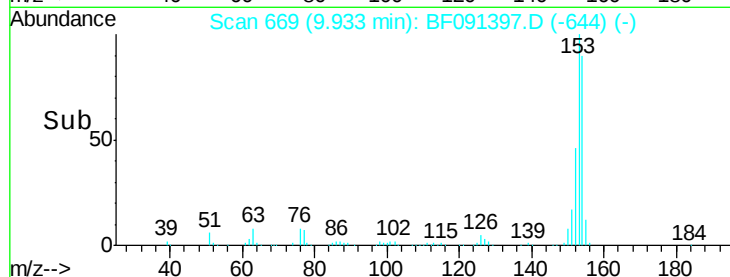
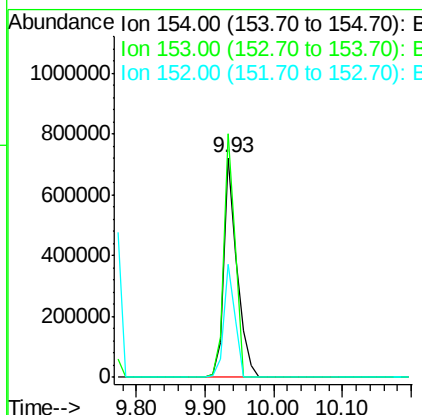
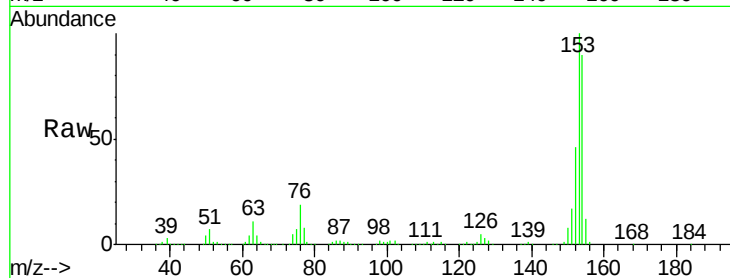
ClientSampleId :

113016-02MSD

Tgt Ion:	154	Resp:	986645
Ion Ratio	Lower	Upper	
154	100		
153	110.9	91.0	136.6
152	51.3	44.2	66.2

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#52

3-Nitroaniline

Concen: 24.32 ng

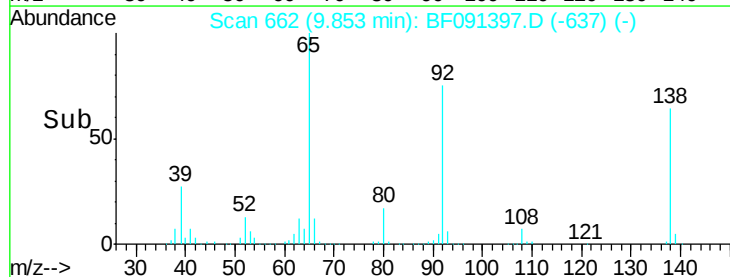
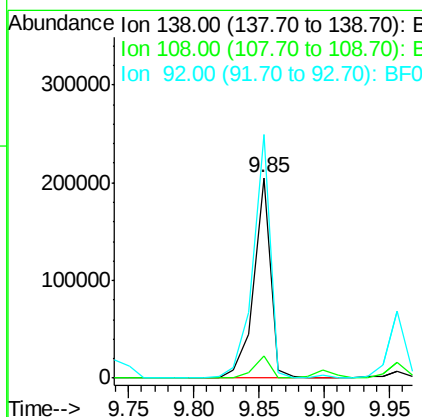
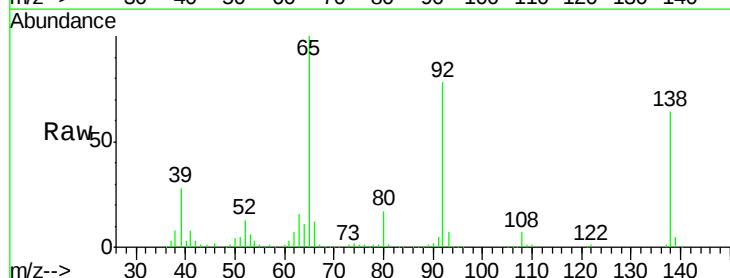
RT: 9.85 min Scan# 662

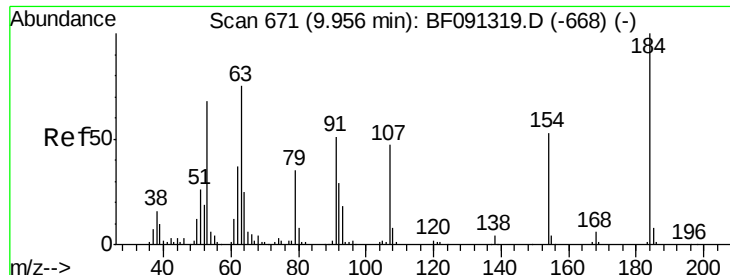
Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Tgt Ion:	138	Resp:	184648
Ion Ratio	Lower	Upper	
138	100		
108	10.9	8.1	12.1
92	121.6	92.5	138.7





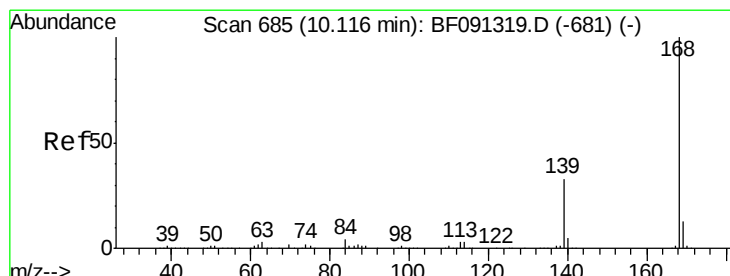
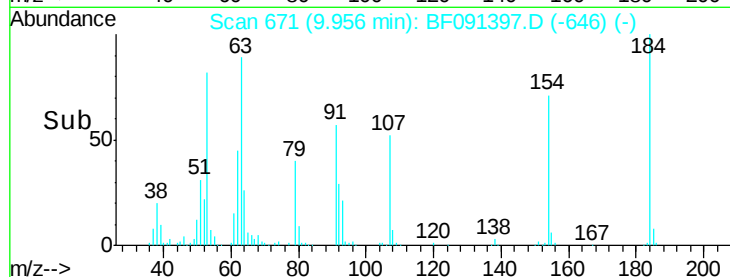
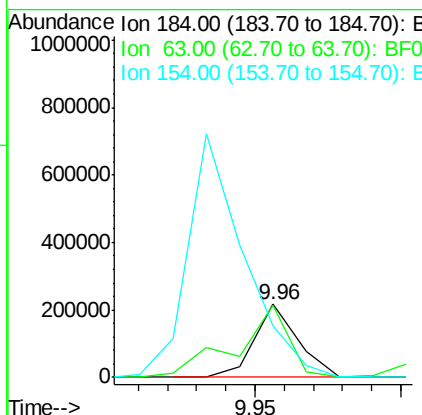
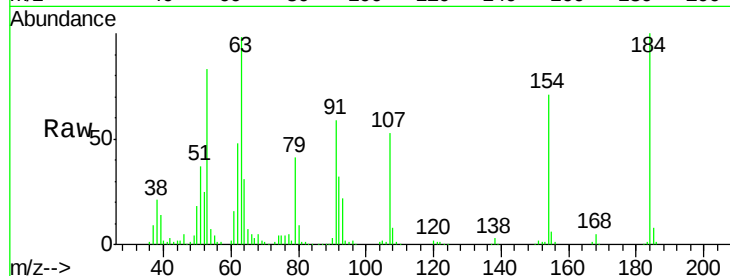
#53
2,4-Dinitrophenol
Concen: 79.18 ng m
RT: 9.96 min Scan# 671
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
113016-02MSD

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	227140		
63	98.5	58.3	87.5#	
154	70.8	48.6	73.0	

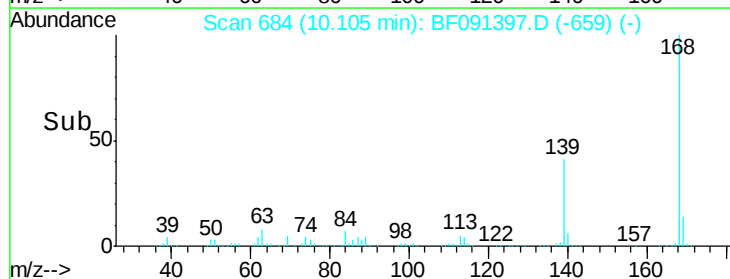
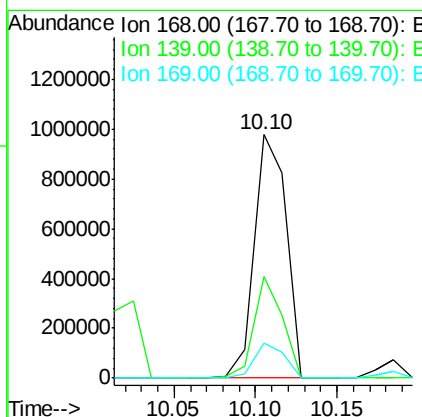
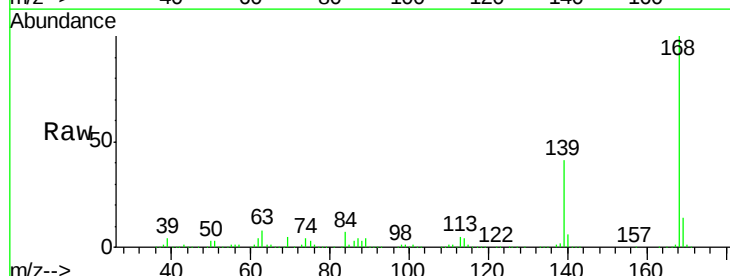
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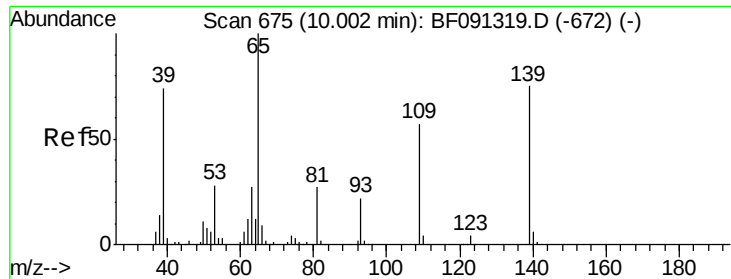
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#54
Dibenzofuran
Concen: 35.83 ng
RT: 10.10 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1322332		
139	41.5	33.4	50.2	
169	14.2	11.1	16.7	





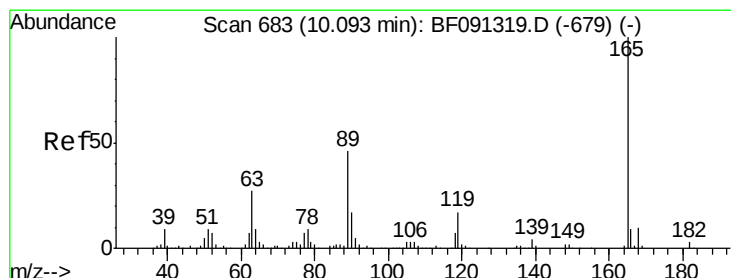
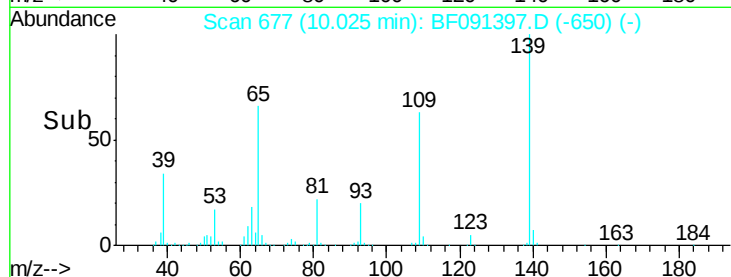
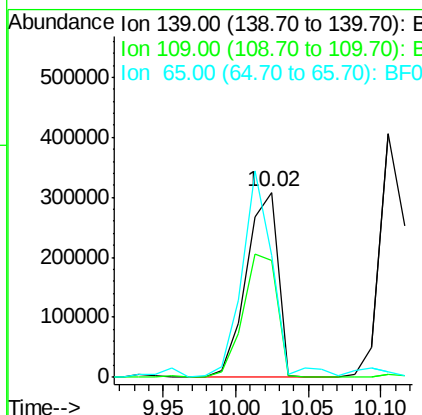
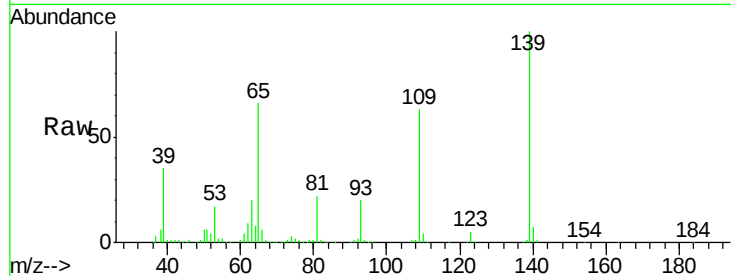
#55
4-Nitrophenol
Concen: 85.52 ng
RT: 10.02 min Scan# 677
Delta R.T. 0.01 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
113016-02MSD

Tgt Ion:139 Resp: 469026
Ion Ratio Lower Upper
139 100
109 63.2 54.9 94.9
65 66.1 102.2 142.2#

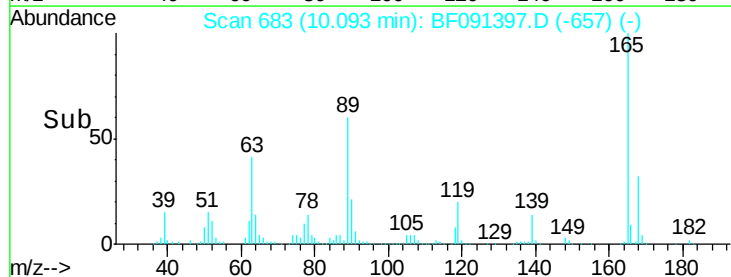
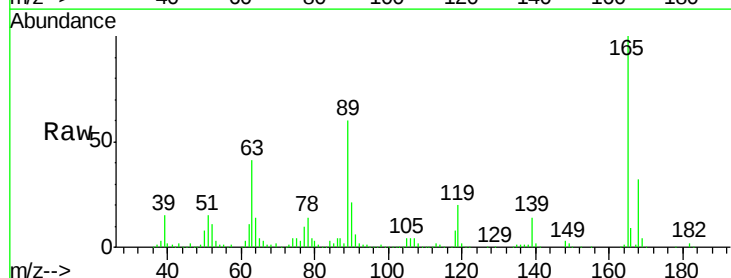
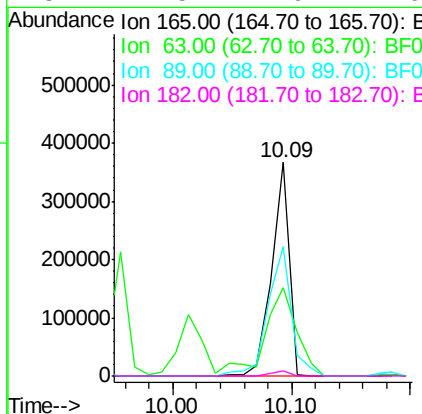
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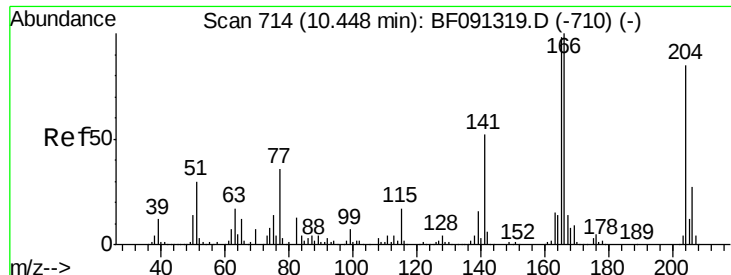
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#56
2,4-Dinitrotoluene
Concen: 44.41 ng
RT: 10.09 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Tgt Ion:165 Resp: 377881
Ion Ratio Lower Upper
165 100
63 41.4 29.0 43.4
89 60.5 43.1 64.7
182 2.5 1.9 2.9





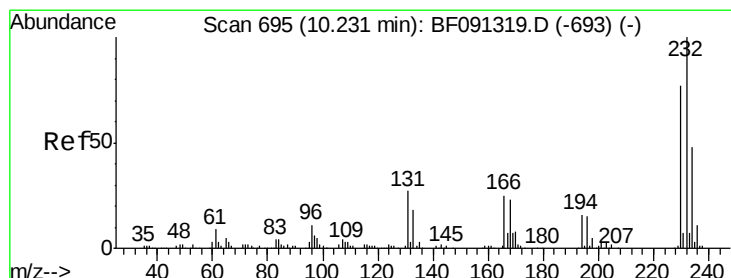
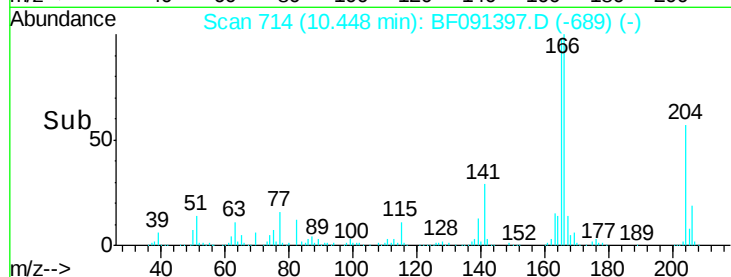
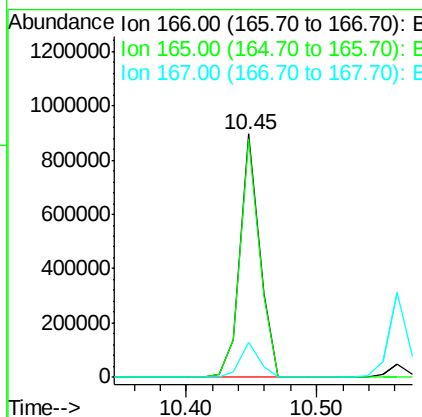
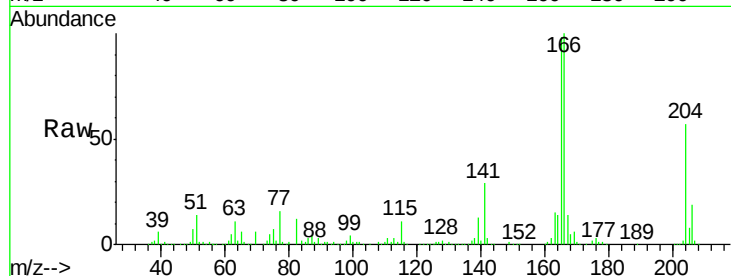
#57
Fluorene
 Concen: 32.89 ng
 RT: 10.45 min Scan# 714
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	931790		
165	98.1	80.0	120.0	
167	14.3	10.8	16.2	

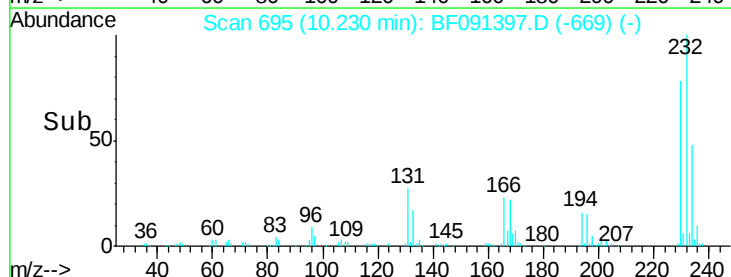
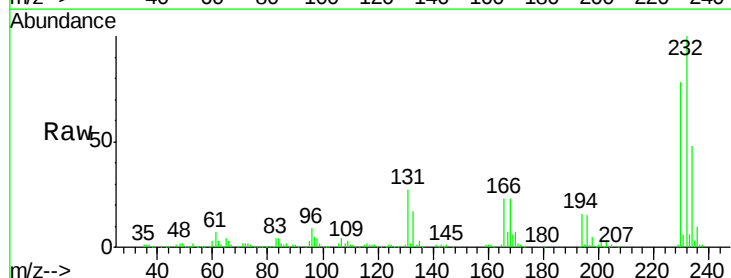
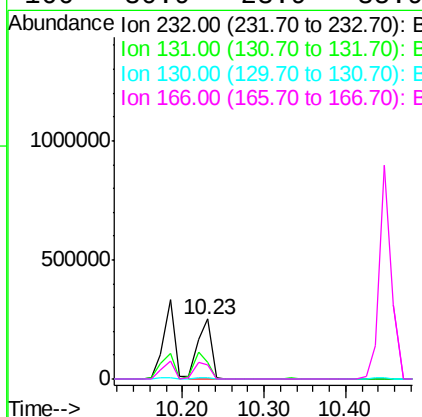
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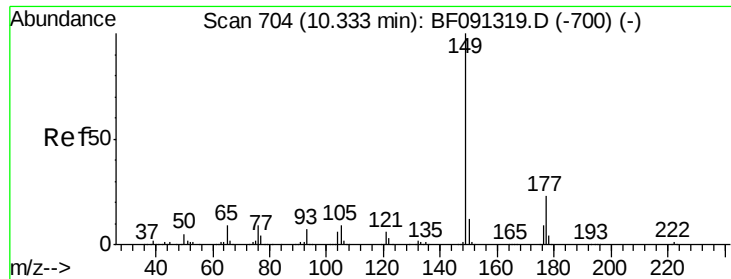
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#58
2,3,4,6-Tetrachlorophenol
 Concen: 38.76 ng
 RT: 10.23 min Scan# 695
 Delta R.T. -0.01 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	294553		
131	44.2	38.4	57.6	
130	2.1	1.8	2.8	
166	30.9	23.9	35.9	





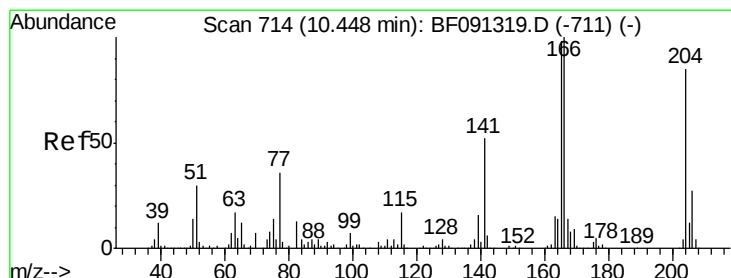
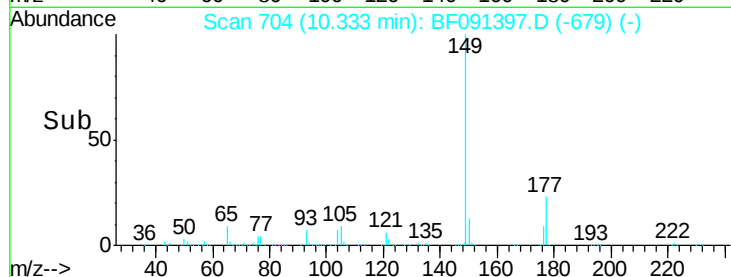
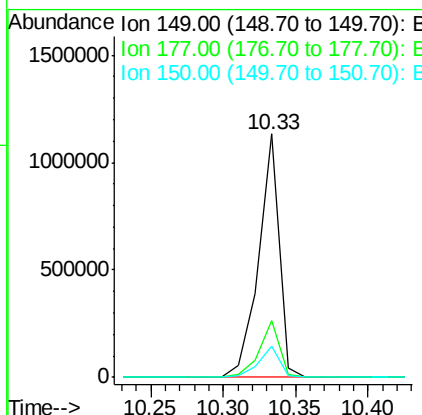
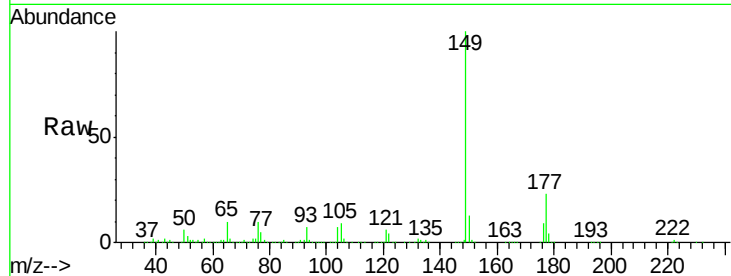
#59
Diethylphthalate
Concen: 38.43 ng
RT: 10.33 min Scan# 704
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
113016-02MSD

Tgt Ion:149 Resp: 1113414
Ion Ratio Lower Upper
149 100
177 23.1 15.7 23.5
150 12.8 10.2 15.2

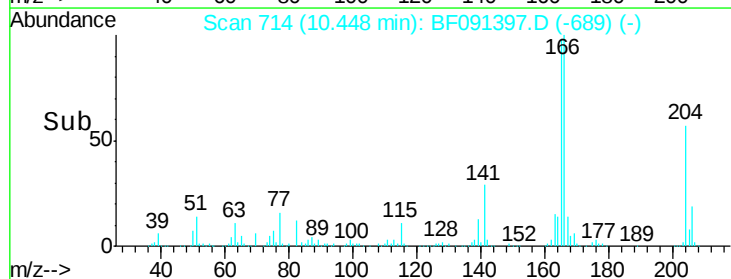
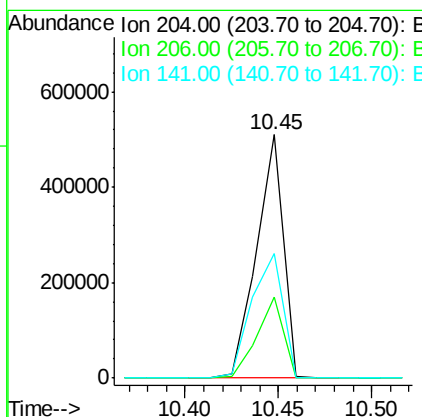
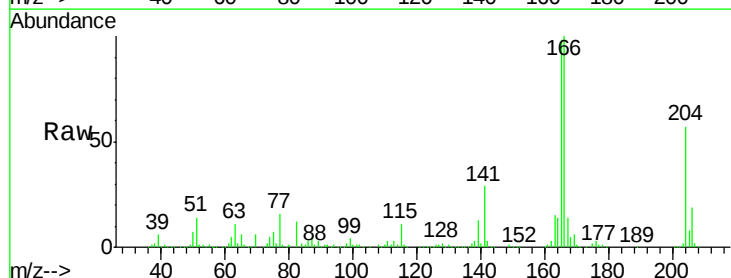
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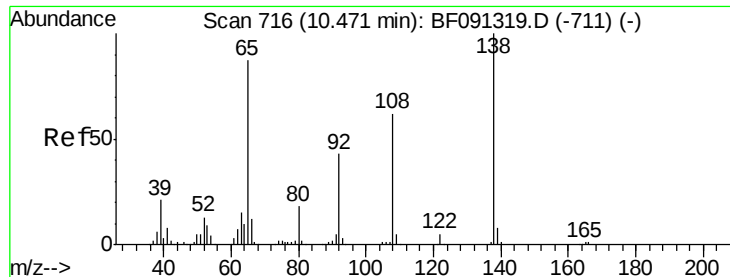
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#60
4-Chlorophenyl-phenylether
Concen: 35.50 ng
RT: 10.45 min Scan# 714
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Tgt Ion:204 Resp: 504512
Ion Ratio Lower Upper
204 100
206 33.3 26.1 39.1
141 51.0 40.6 61.0





#61

4-Nitroaniline

Concen: 33.12 ng

RT: 10.47 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

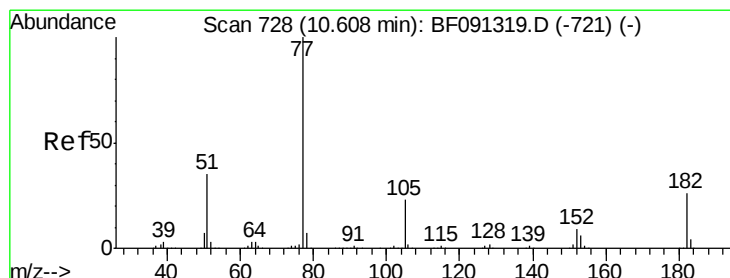
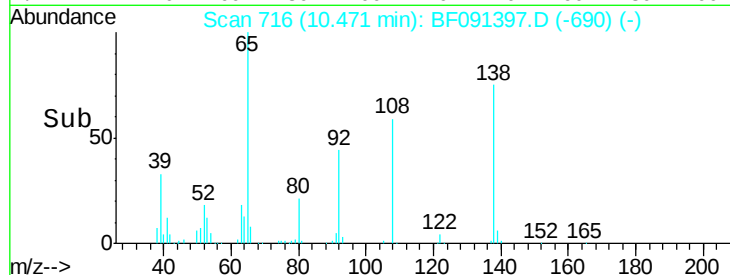
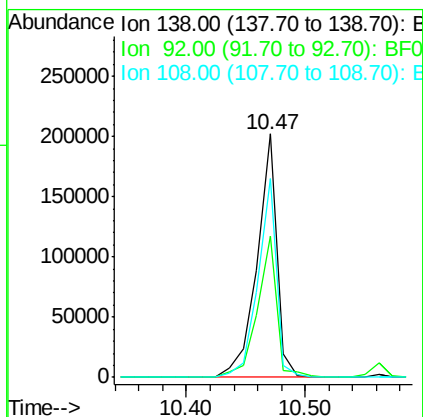
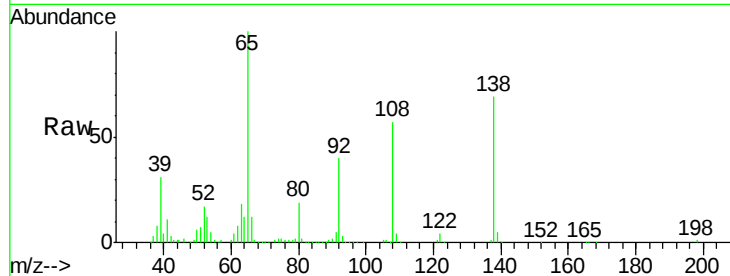
ClientSampleId :

113016-02MSD

Tgt Ion:	138	Resp:	236162
Ion Ratio	Lower	Upper	
138	100		
92	57.9	26.9	66.9
108	81.7	49.1	89.1

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#62

Azobenzene

Concen: 41.44 ng

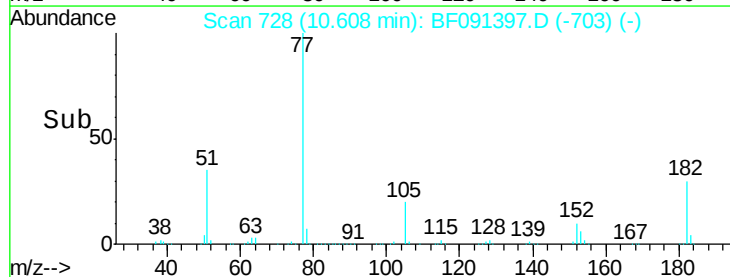
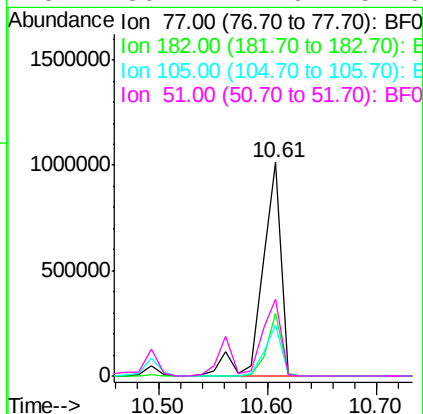
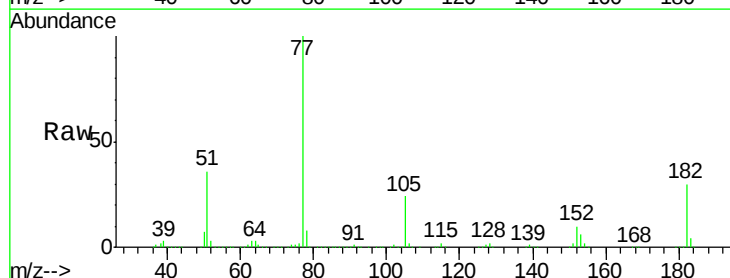
RT: 10.61 min Scan# 728

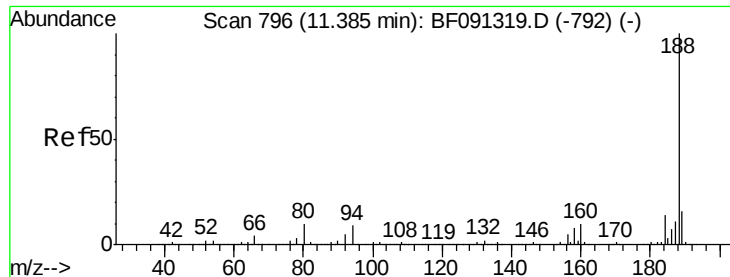
Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Tgt Ion:	77	Resp:	1225134
Ion Ratio	Lower	Upper	
77	100		
182	29.6	12.5	52.5
105	23.8	3.7	43.7
51	36.2	11.9	51.9





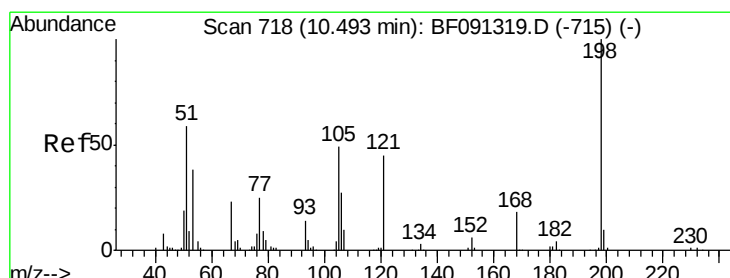
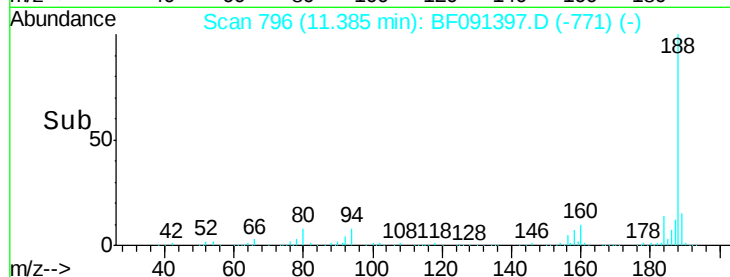
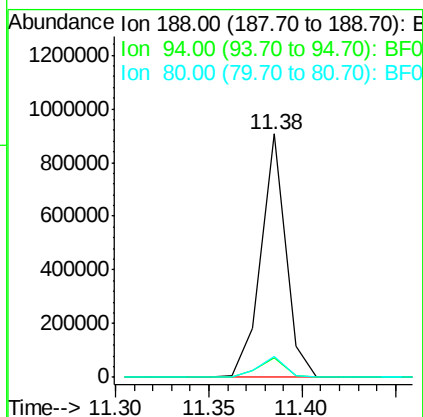
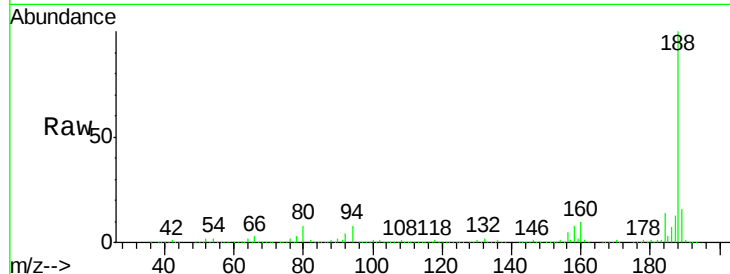
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
113016-02MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.0	9.2	13.8#
80	8.5	10.5	15.7#

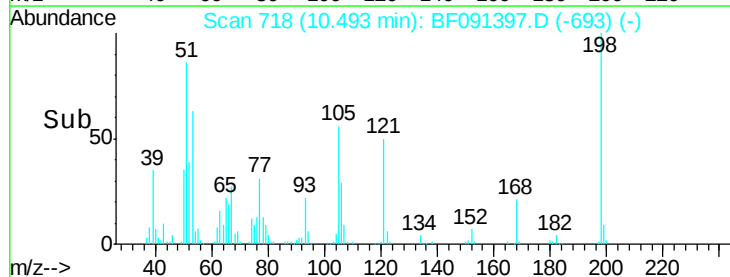
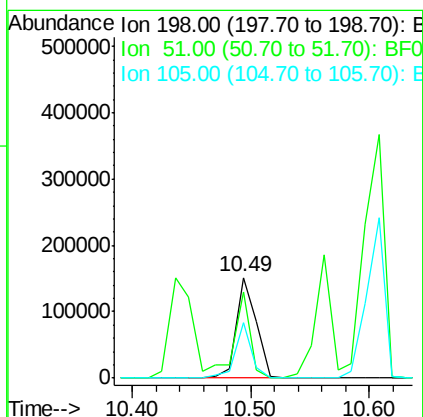
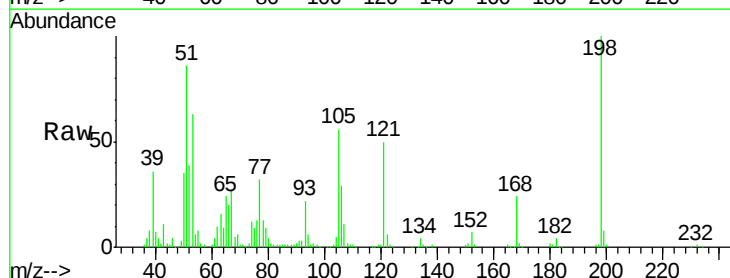
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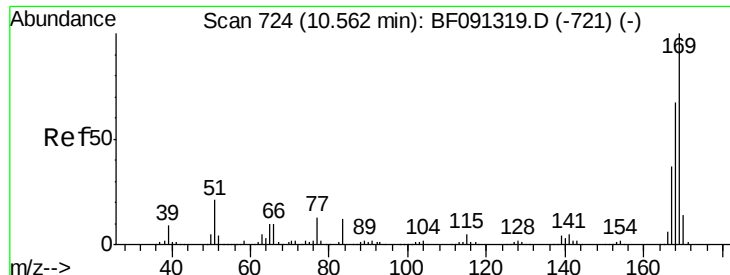
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#64
4,6-Dinitro-2-methylphenol
Concen: 38.87 ng
RT: 10.49 min Scan# 718
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	86.1	77.1	117.1
105	55.6	44.8	84.8





#65

n-Nitrosodiphenylamine

Concen: 33.72 ng

RT: 10.56 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

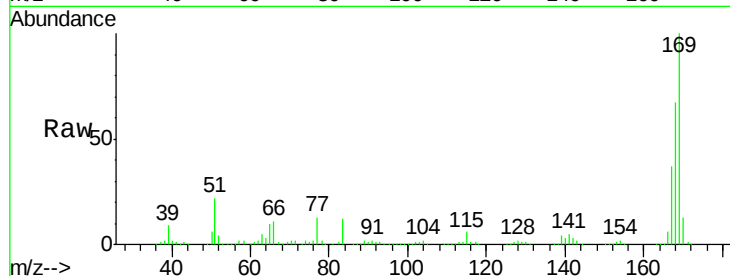
ClientSampleId :

113016-02MSD

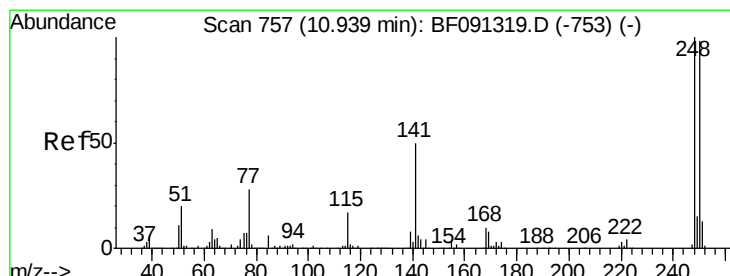
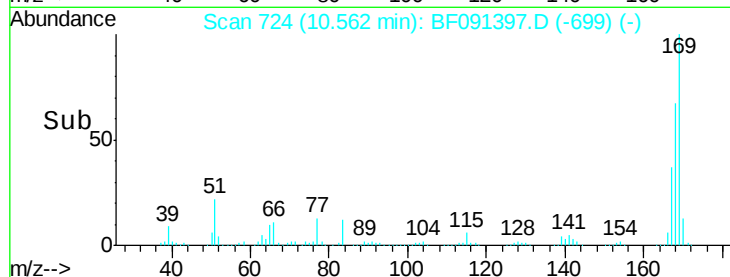
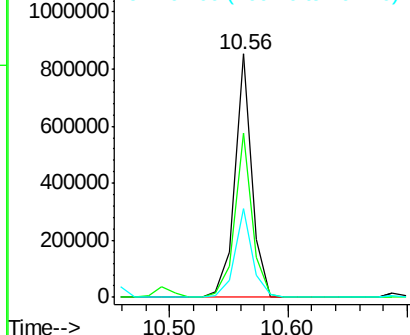
Tgt Ion:	169	Resp:	851216
Ion Ratio	Lower	Upper	
169	100		
168	67.2	53.8	80.8
167	36.6	29.8	44.8

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



#66

4-Bromophenyl-phenylether

Concen: 36.97 ng

RT: 10.94 min Scan# 757

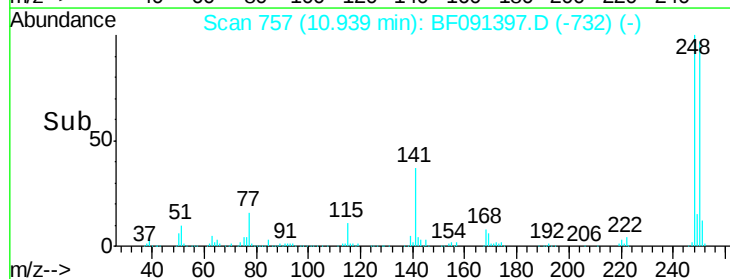
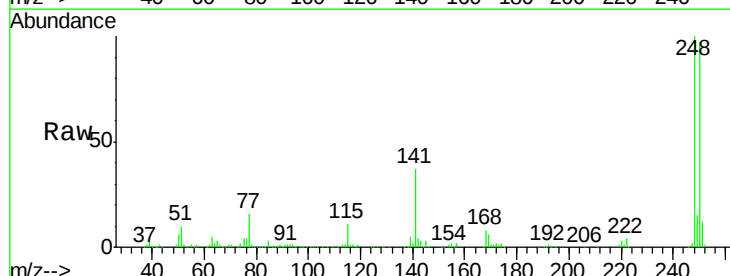
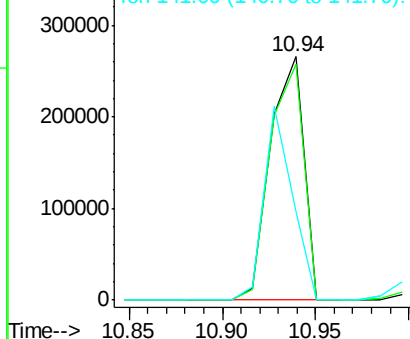
Delta R.T. -0.02 min

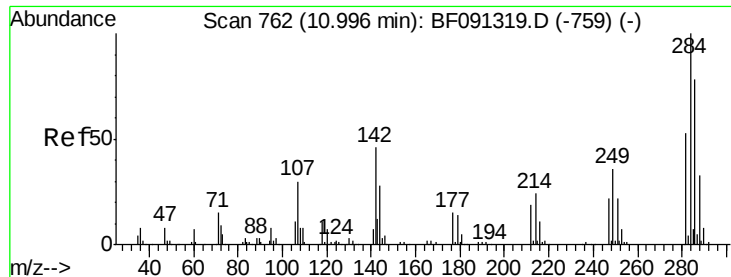
Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Tgt Ion:	248	Resp:	330856
Ion Ratio	Lower	Upper	
248	100		
250	96.7	78.2	117.4
141	36.5	71.9	107.9#

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





#67

Hexachlorobenzene

Concen: 34.34 ng

RT: 11.00 min Scan# 762

Delta R.T. -0.02 min

Lab File: BF091397.D

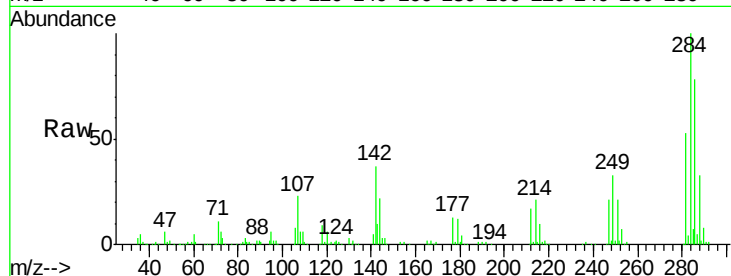
Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

ClientSampleId :

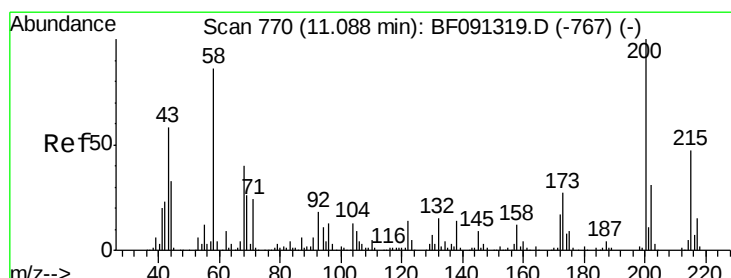
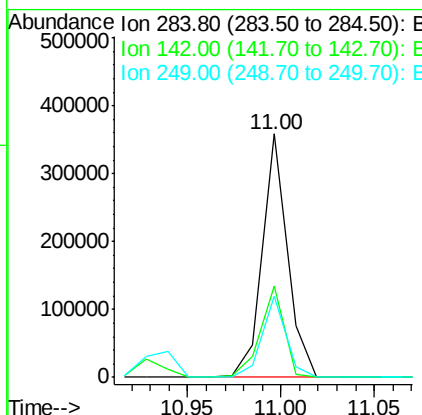
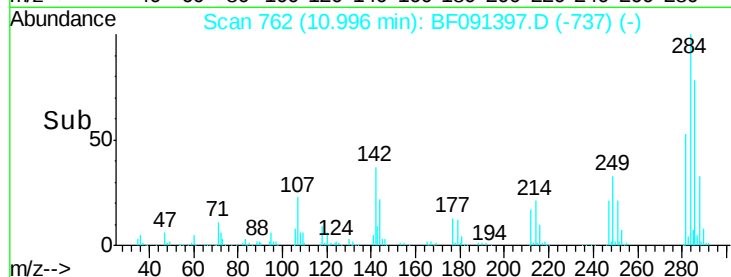
113016-02MSD



Tgt Ion:	284	Resp:	332103
Ion Ratio		Lower	Upper
284	100		
142	37.3	17.9	26.9#
249	33.3	23.6	35.4

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#68

Atrazine

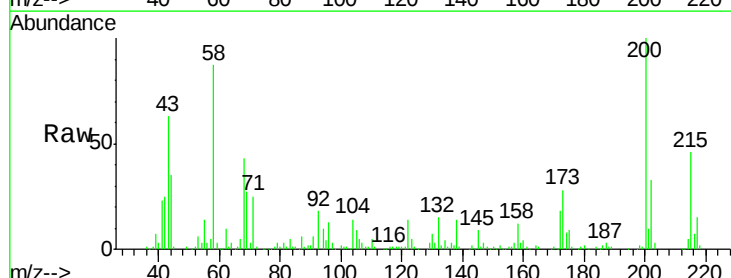
Concen: 33.52 ng

RT: 11.09 min Scan# 770

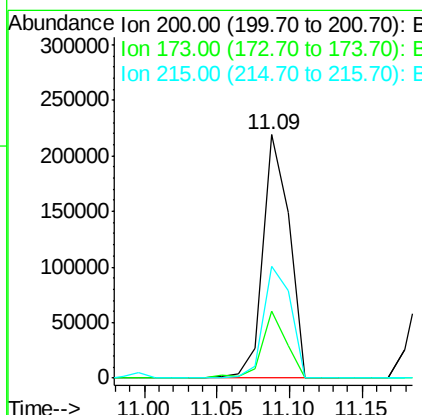
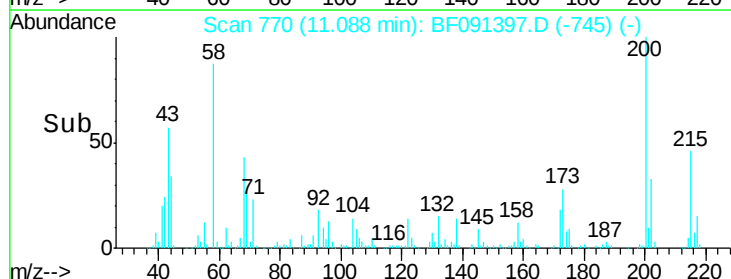
Delta R.T. -0.02 min

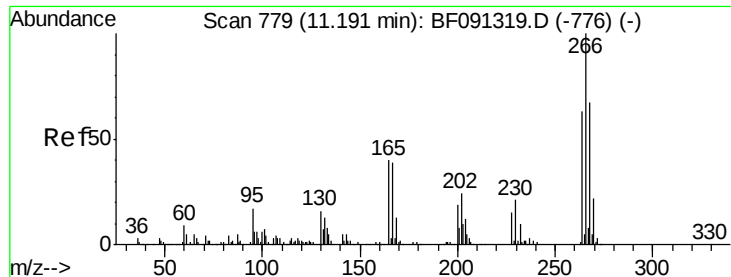
Lab File: BF091397.D

Acq: 2 Dec 2016 18:56



Tgt Ion:	200	Resp:	274051
Ion Ratio		Lower	Upper
200	100		
173	27.6	7.8	47.8
215	46.0	24.3	64.3





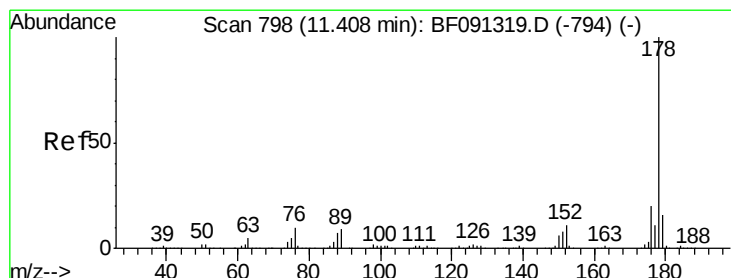
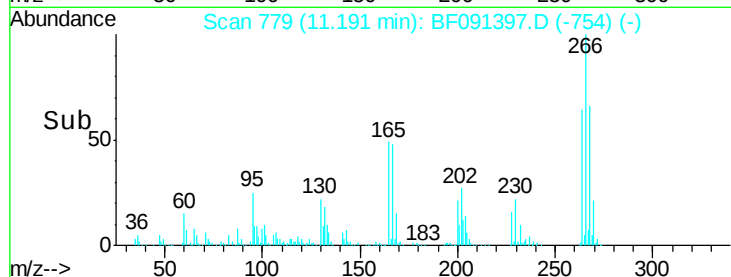
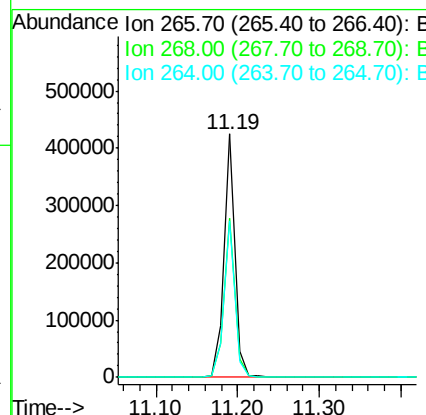
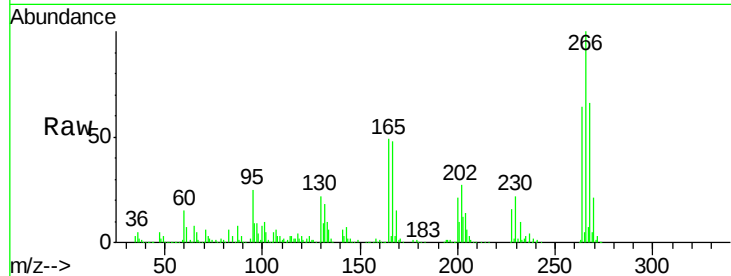
#69
 Pentachlorophenol
 Concen: 69.42 ng
 RT: 11.19 min Scan# 779
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	395237		
268	65.5	50.3	75.5	
264	64.5	48.2	72.2	

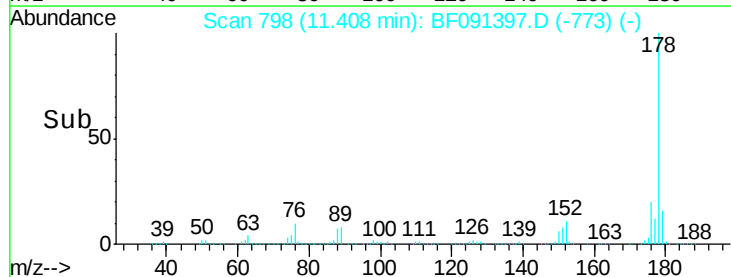
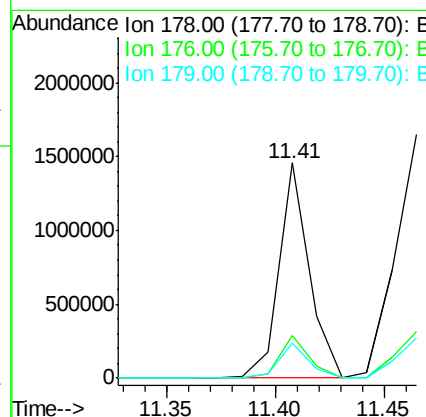
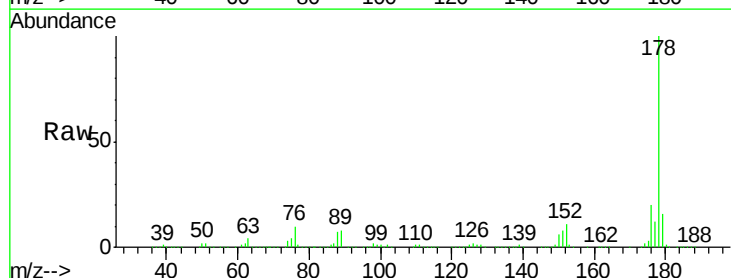
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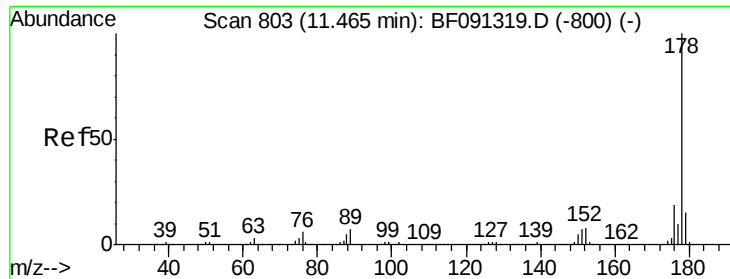
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#70
 Phenanthrene
 Concen: 32.74 ng
 RT: 11.41 min Scan# 798
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1416648		
176	19.7	15.9	23.9	
179	16.1	12.6	18.8	





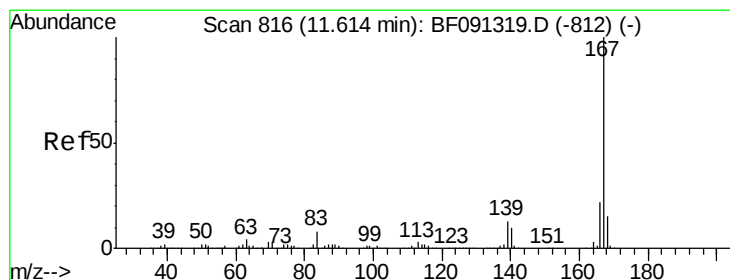
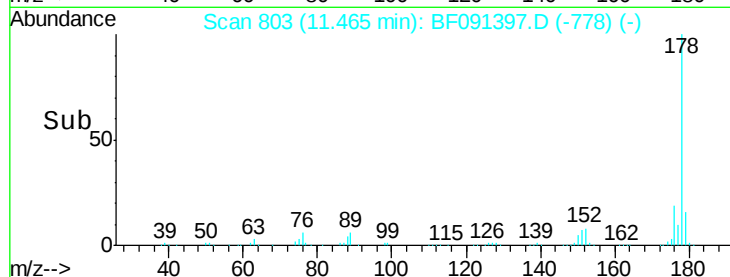
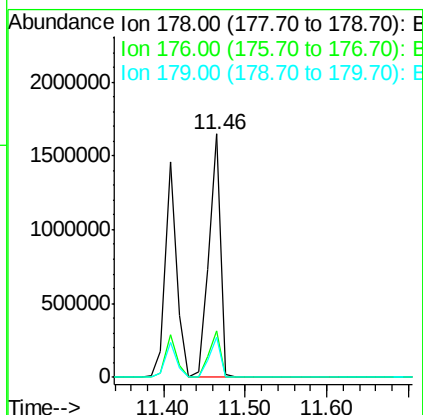
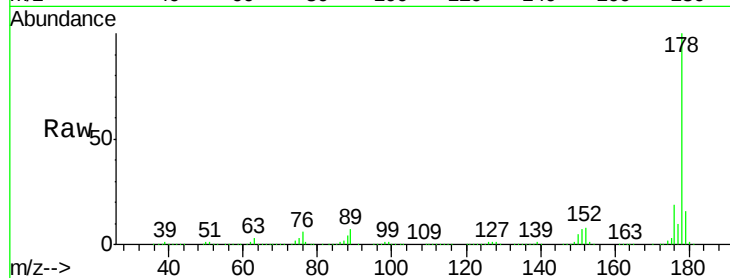
#71
 Anthracene
 Concen: 39.03 ng
 RT: 11.46 min Scan# 803
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD

Tgt Ion:178 Resp: 1675958
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.6
 179 16.3 12.7 19.1

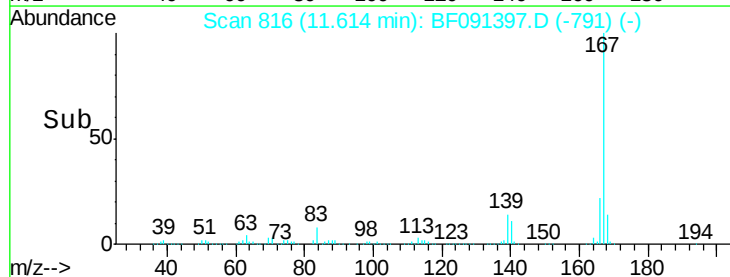
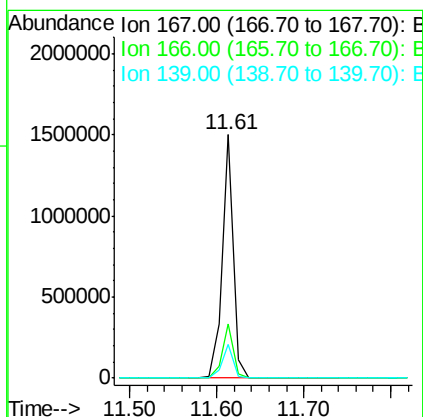
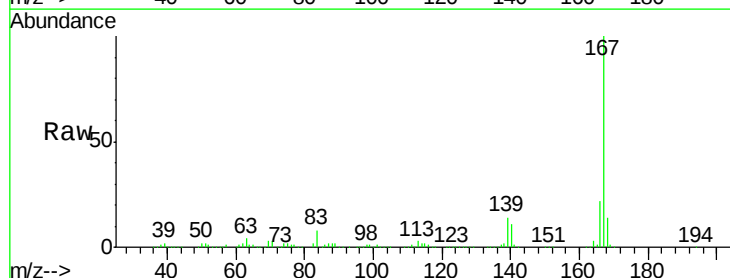
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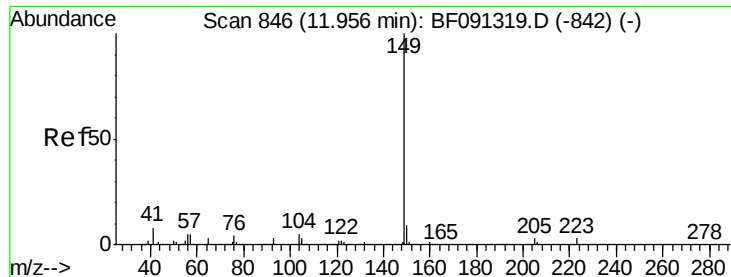
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#72
 Carbazole
 Concen: 34.77 ng
 RT: 11.61 min Scan# 816
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Tgt Ion:167 Resp: 1355030
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.1 27.1
 139 13.6 11.5 17.3





#73

Di-n-butylphthalate

Concen: 39.31 ng

RT: 11.96 min Scan# 846

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

ClientSampleId :

113016-02MSD

Tgt Ion:149 Resp: 1735777

Ion Ratio Lower Upper

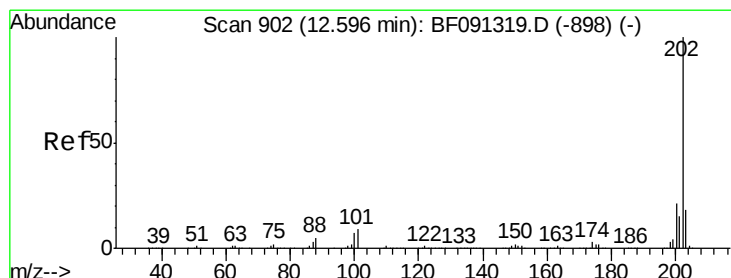
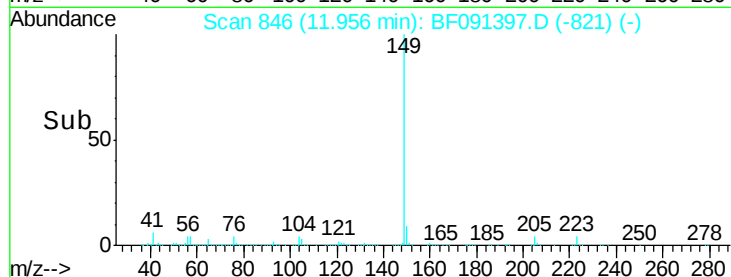
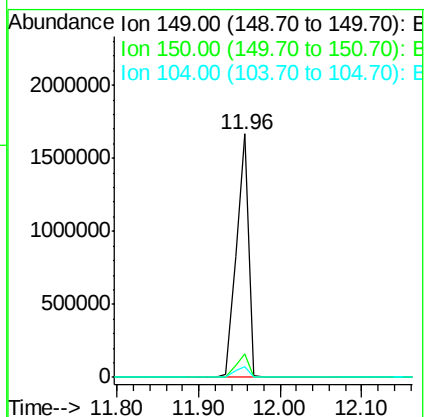
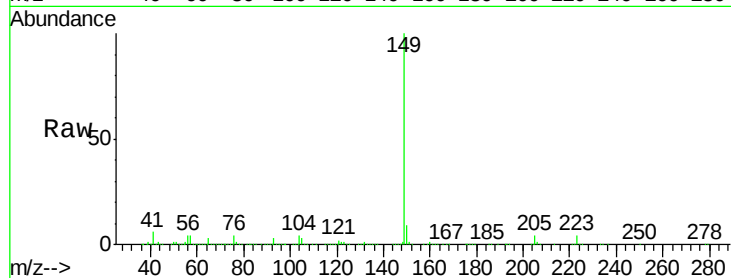
149 100

150 9.4 7.5 11.3

104 4.5 4.0 6.0

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#74

Fluoranthene

Concen: 40.90 ng

RT: 12.60 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

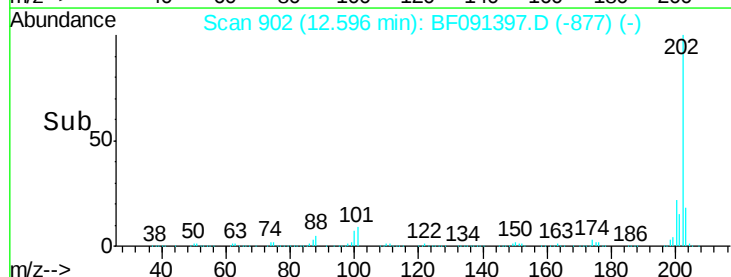
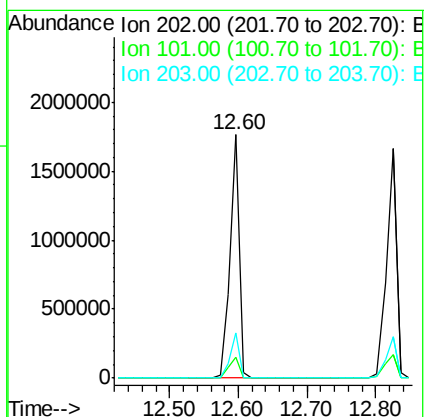
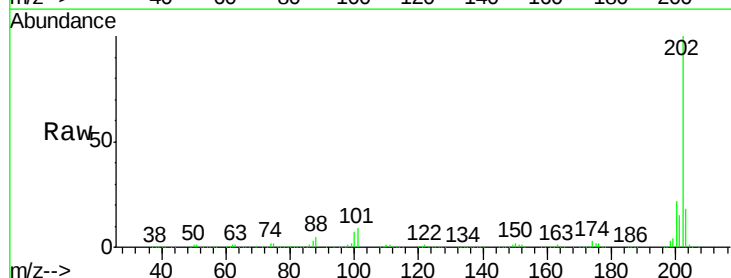
Tgt Ion:202 Resp: 1676404

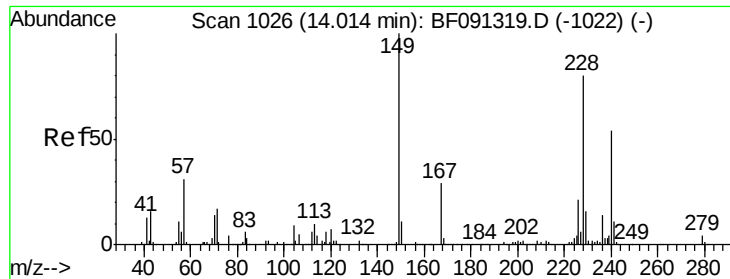
Ion Ratio Lower Upper

202 100

101 8.7 0.0 29.5

203 18.3 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

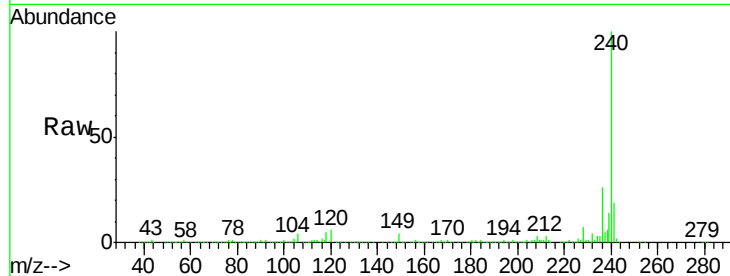
ClientSampleId :

113016-02MSD

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	618056		
120	5.6	12.1	18.1	#
236	25.5	21.0	31.6	

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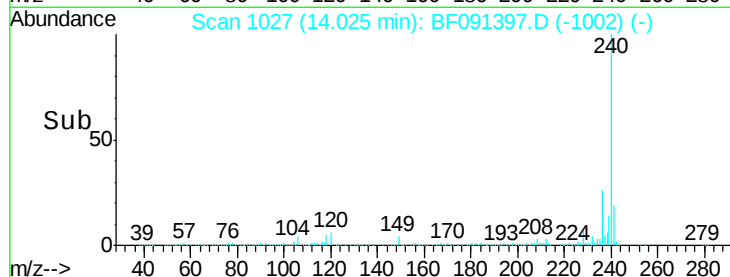


Abundance Ion 240.00 (239.70 to 240.70): E

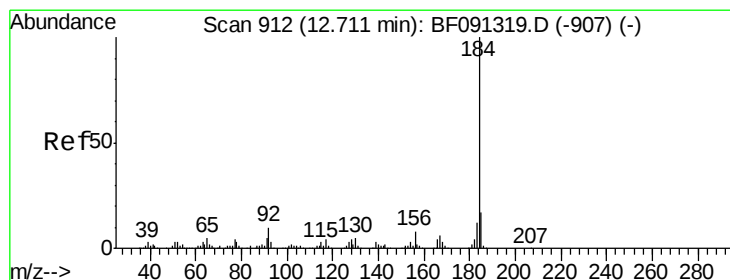
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.03



Time--> 13.90 14.00 14.10 14.20



#76

Benzidine

Concen: 34.13 ng

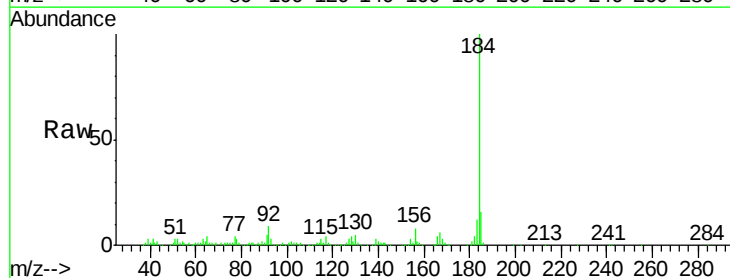
RT: 12.71 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	619243		
185	15.9	13.1	19.7	
183	11.7	8.9	13.3	

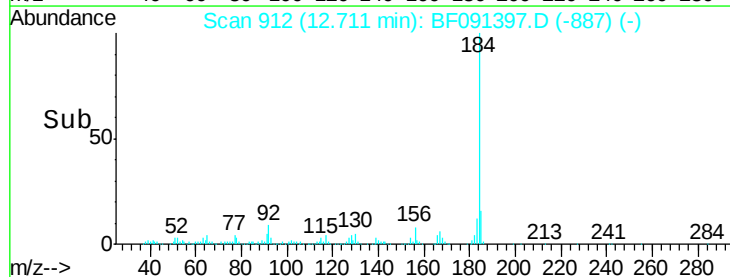


Abundance Ion 184.00 (183.70 to 184.70): E

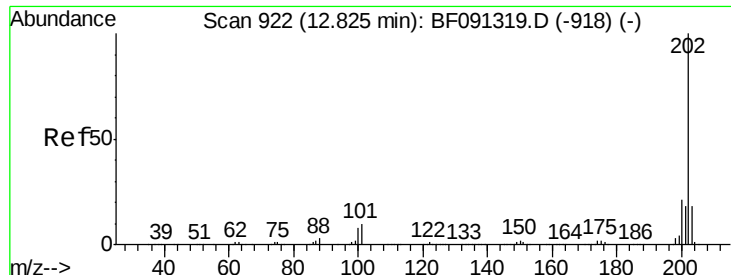
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

12.71



Time--> 12.60 12.80



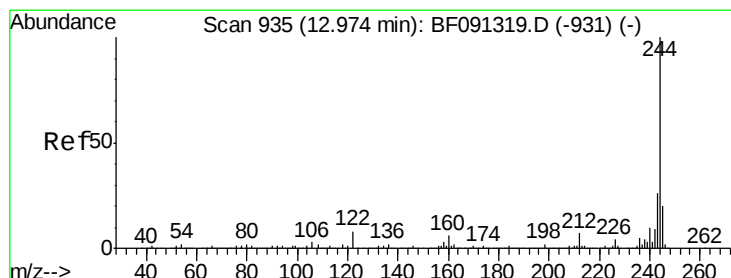
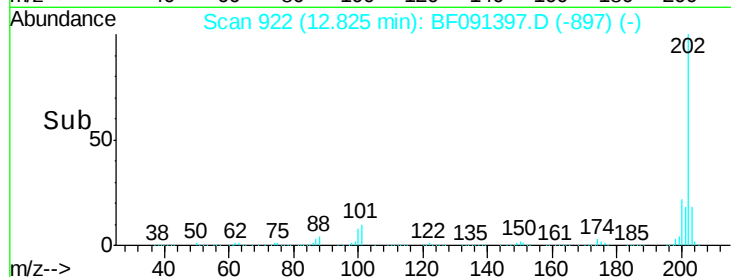
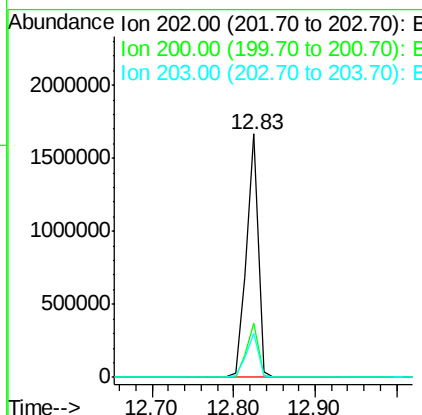
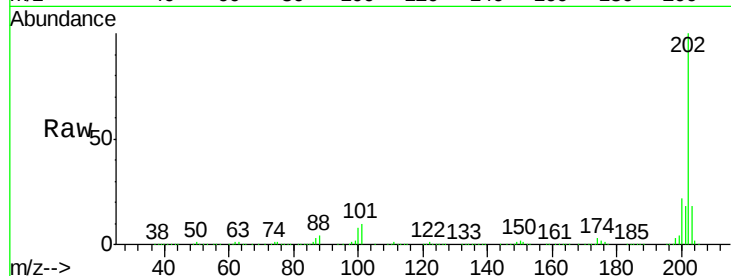
#77
Pyrene
 Concen: 35.70 ng
 RT: 12.83 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.6	26.4
203	18.2	14.0	21.0

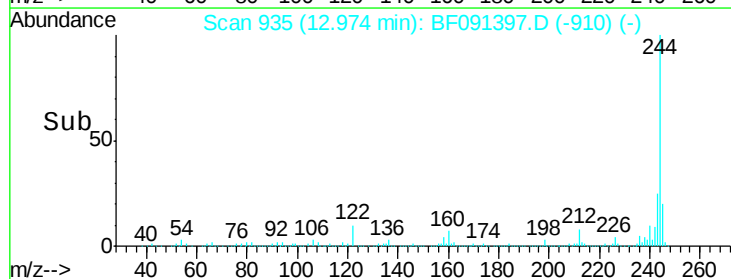
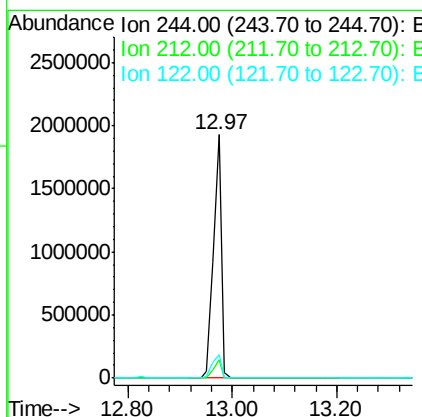
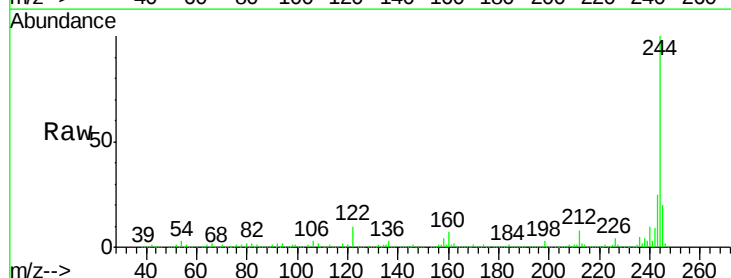
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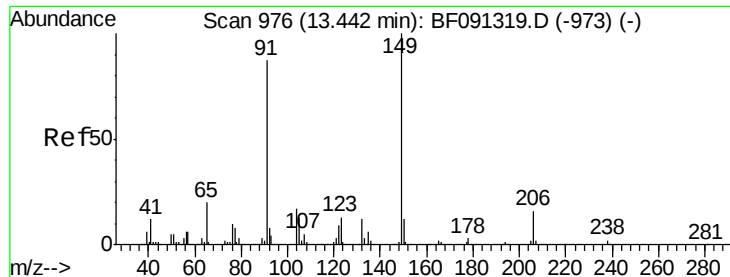
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#78
Terphenyl-d14
 Concen: 71.54 ng
 RT: 12.97 min Scan# 935
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.5	9.7
122	9.9	9.5	14.3





#79

Butylbenzylphthalate

Concen: 38.54 ng

RT: 13.44 min Scan# 976

Delta R.T. -0.03 min

Lab File: BF091397.D

Acq: 2 Dec 2016 18:56

Instrument :

BNA_F

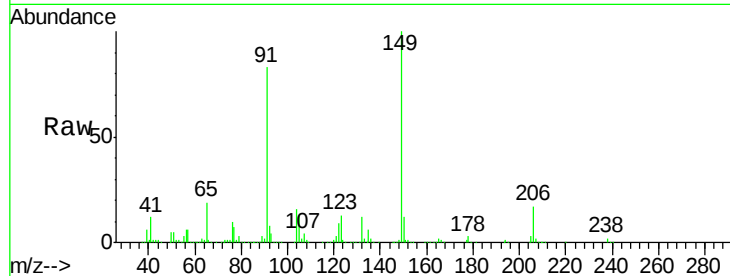
ClientSampleId :

113016-02MSD

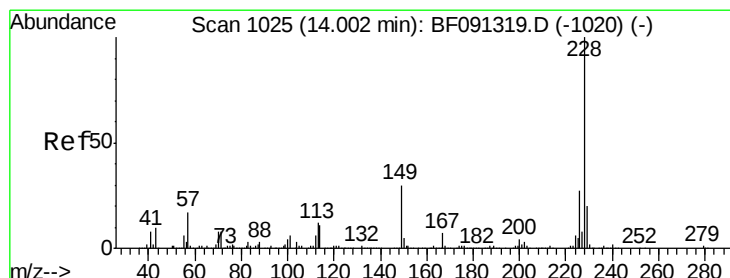
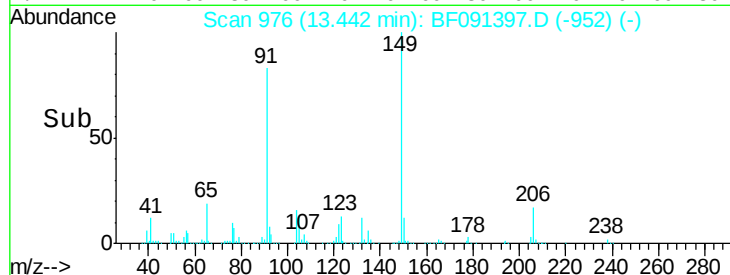
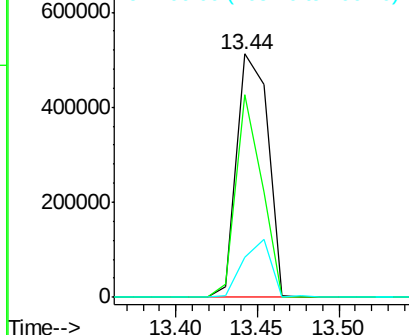
Tgt Ion:	149	Resp:	676834
Ion Ratio	Lower	Upper	
149	100		
91	83.2	57.4	86.2
206	16.6	15.4	23.2

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 34.93 ng

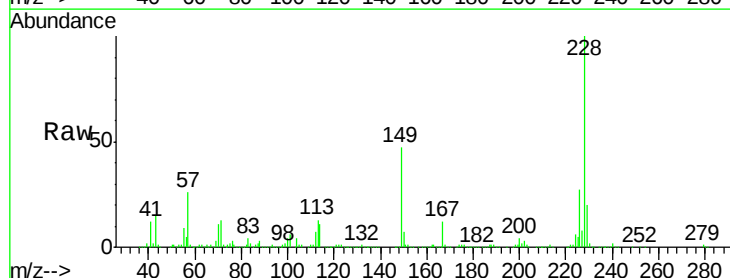
RT: 14.00 min Scan# 1025

Delta R.T. -0.02 min

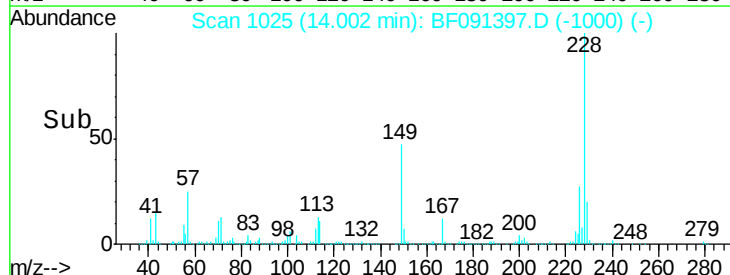
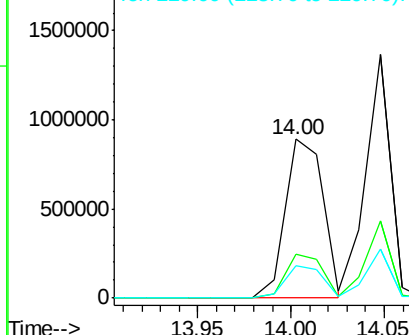
Lab File: BF091397.D

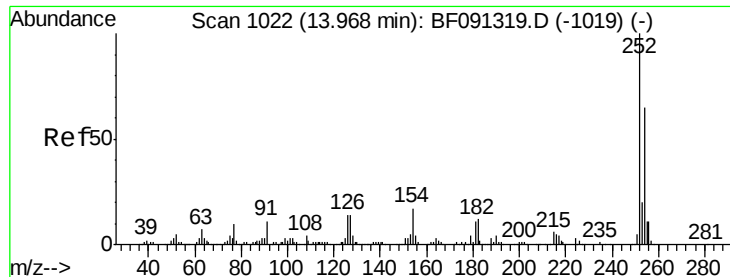
Acq: 2 Dec 2016 18:56

Tgt Ion:	228	Resp:	1262686
Ion Ratio	Lower	Upper	
228	100		
226	27.3	22.5	33.7
229	20.4	16.4	24.6



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





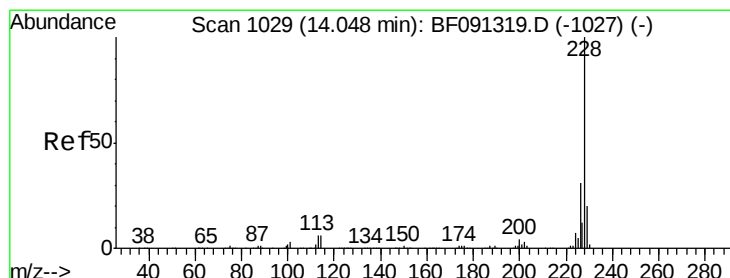
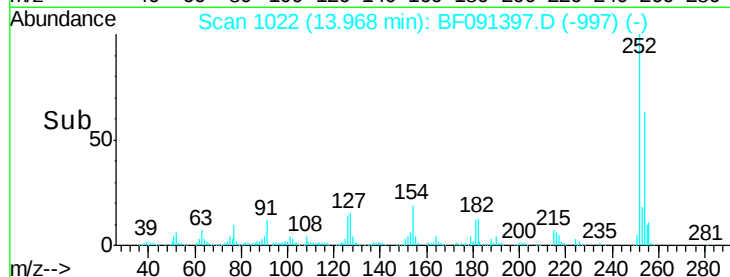
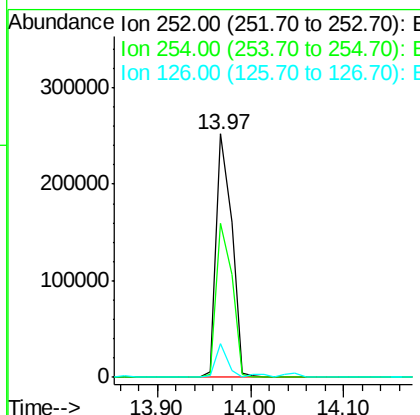
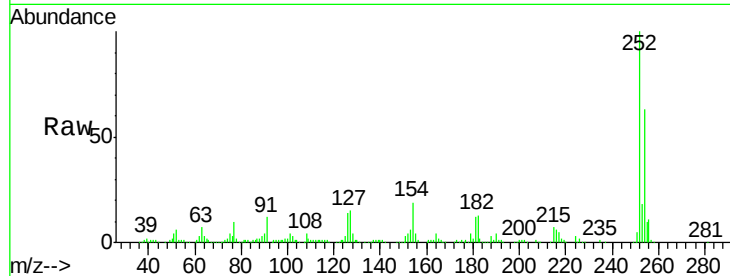
#81
 3,3'-Dichlorobenzidine
 Concen: 23.09 ng
 RT: 13.97 min Scan# 1022
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.4	52.1	78.1
126	13.7	7.5	11.3

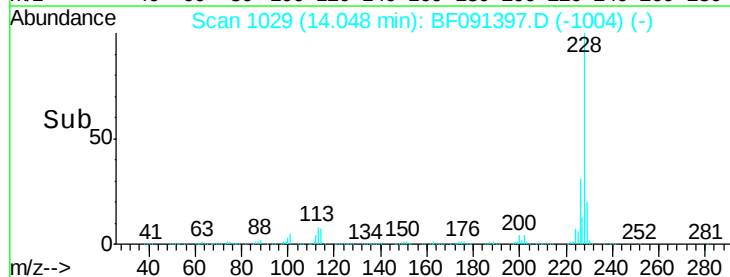
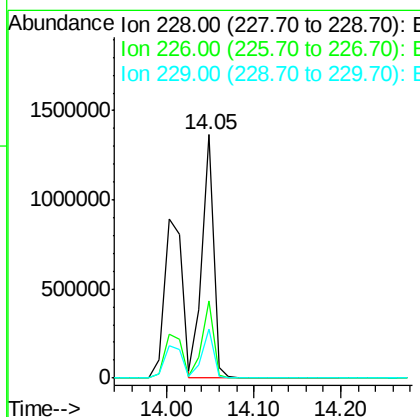
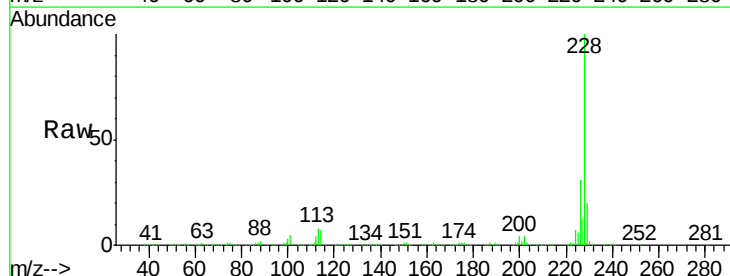
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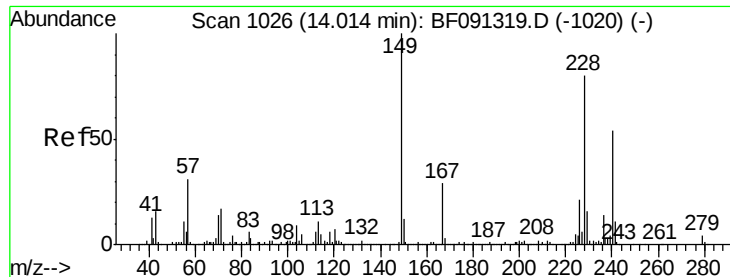
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#82
 Chrysene
 Concen: 35.08 ng
 RT: 14.05 min Scan# 1029
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.4
229	20.2	16.0	24.0





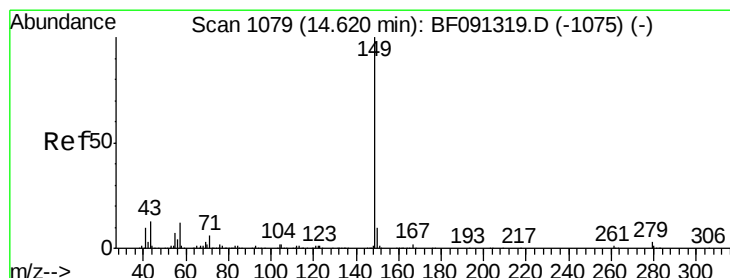
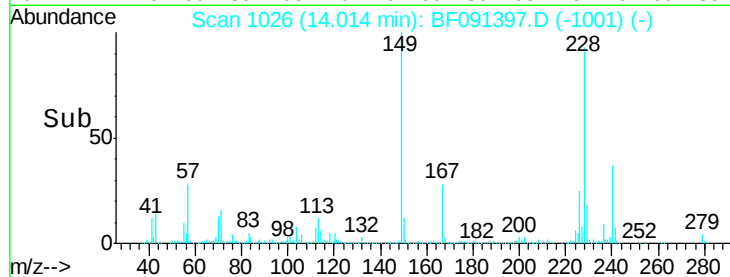
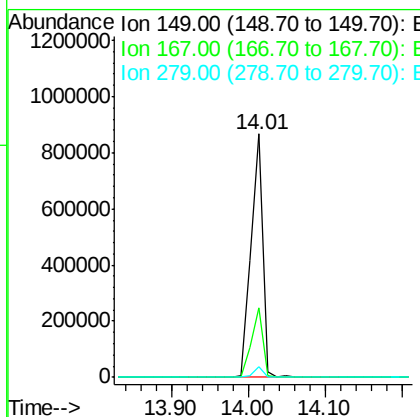
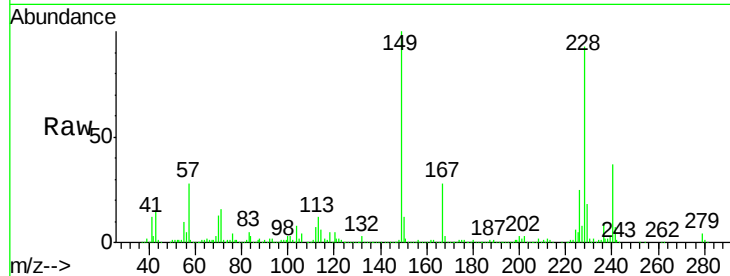
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 40.73 ng
 RT: 14.01 min Scan# 1026
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	906779		
167	28.5	19.6	29.4	
279	4.4	1.9	2.9#	

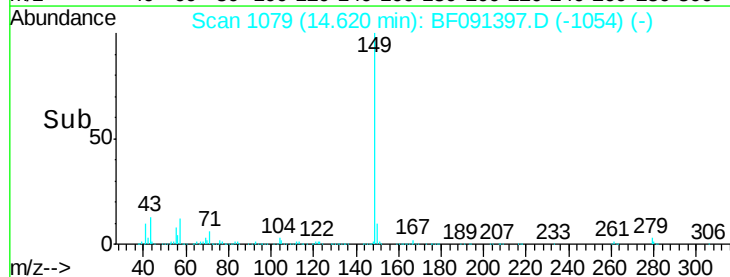
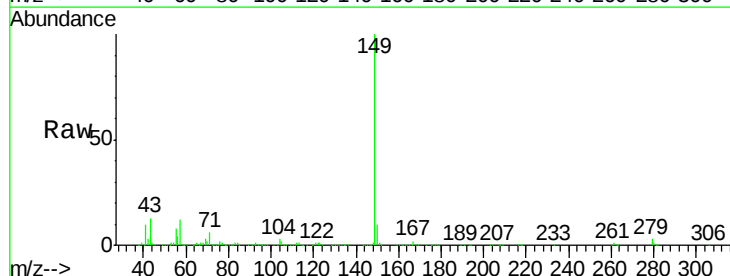
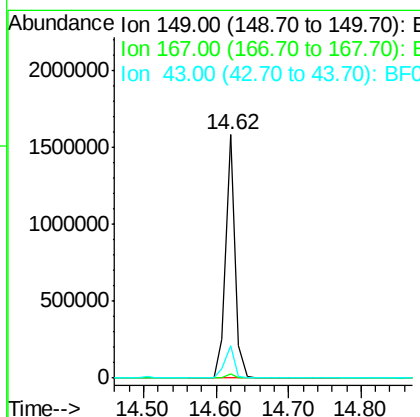
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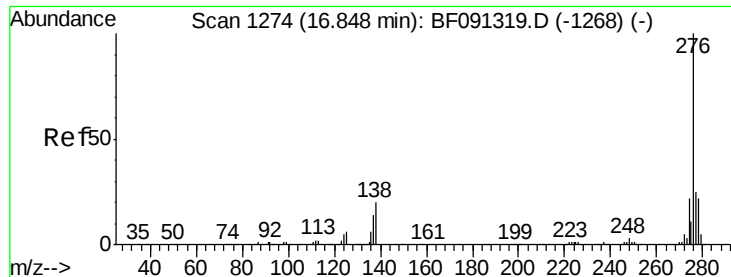
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#84
 Di-n-octyl phthalate
 Concen: 42.11 ng
 RT: 14.62 min Scan# 1079
 Delta R.T. -0.02 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1418645		
167	1.6	1.3	1.9	
43	14.1	11.9	17.9	





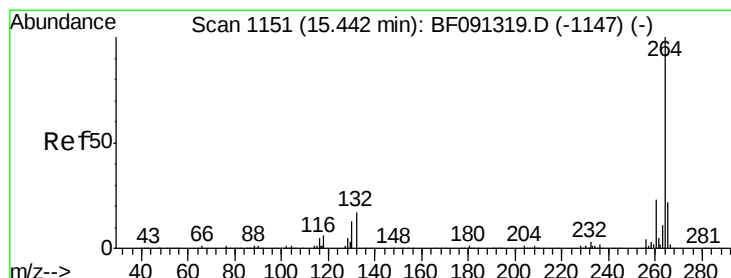
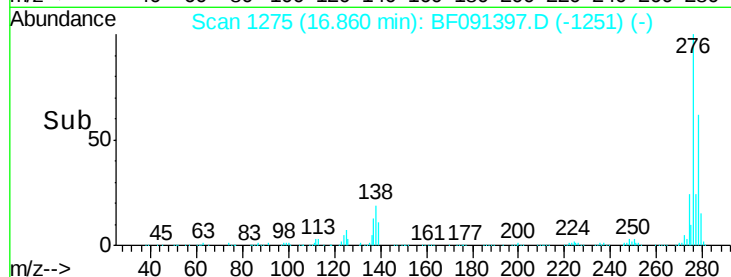
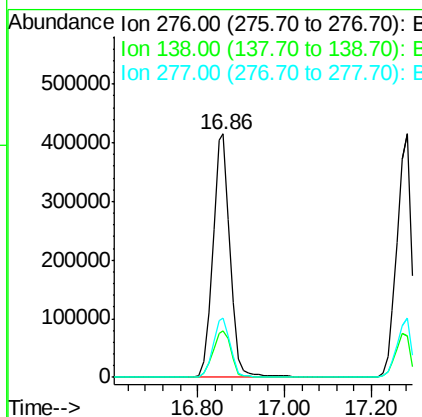
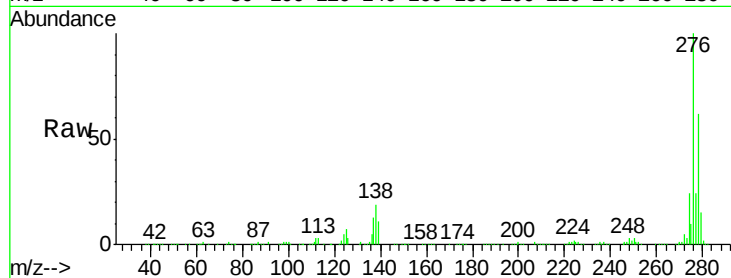
#85
Indeno(1,2,3-cd)pyrene
Concen: 35.50 ng
RT: 16.86 min Scan# 1275
Delta R.T. -0.03 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
113016-02MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	21.0	31.4#
277	24.7	20.2	30.2

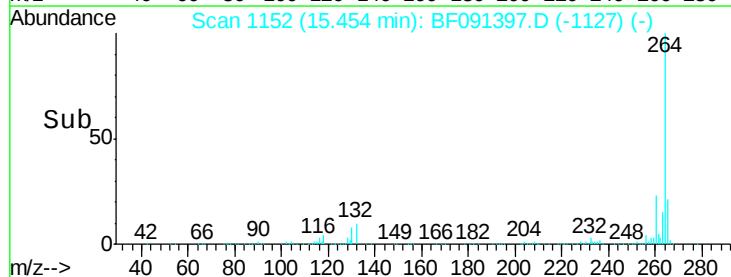
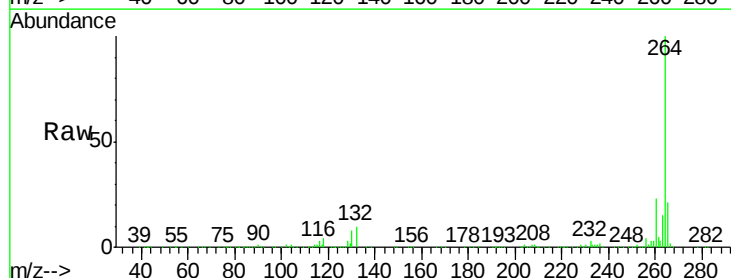
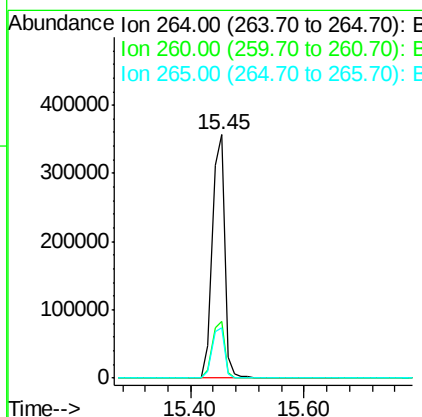
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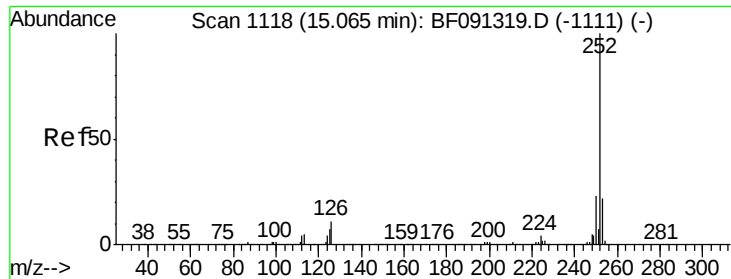
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	20.9	17.0	25.6





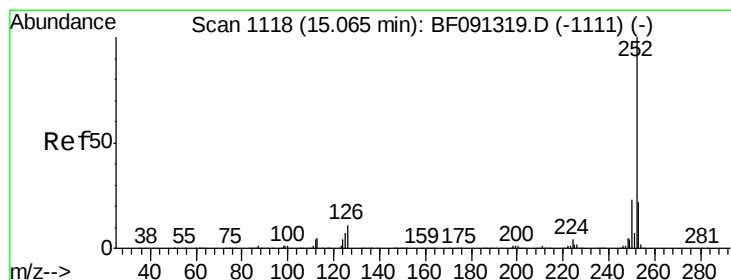
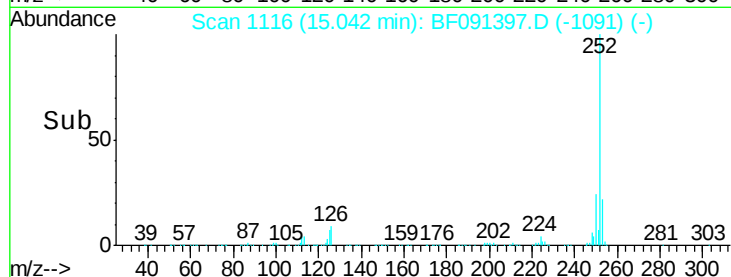
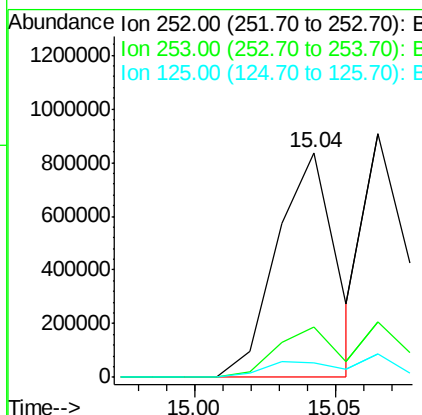
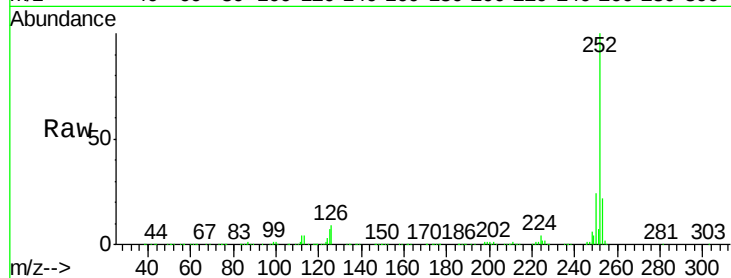
#87
Benzo(b)fluoranthene
Concen: 37.64 ng m
RT: 15.04 min Scan# 1116
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
113016-02MSD

Tgt Ion:252 Resp: 1226096
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.2
125 6.7 8.6 13.0#

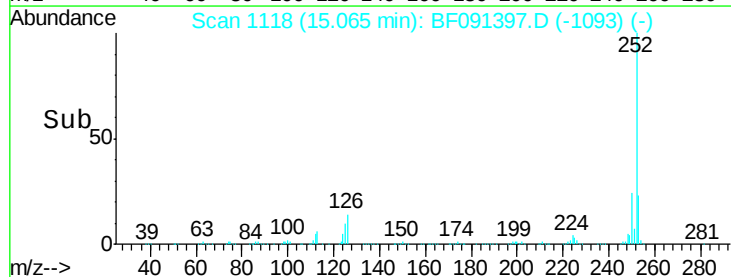
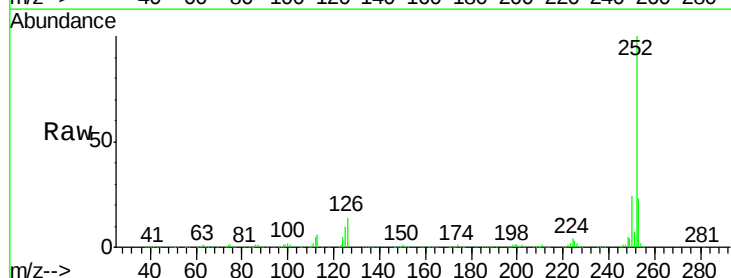
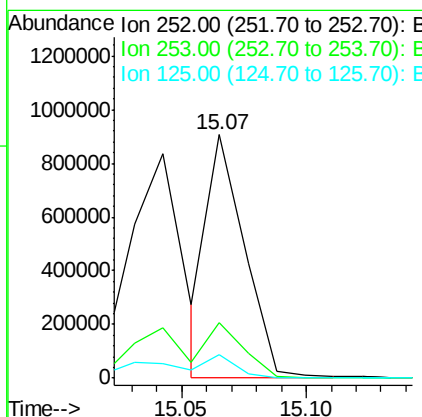
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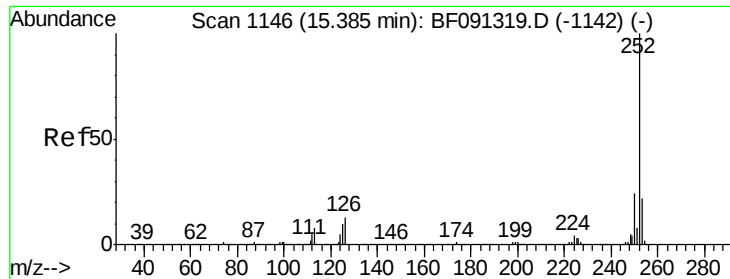
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#88
Benzo(k)fluoranthene
Concen: 34.43 ng m
RT: 15.07 min Scan# 1118
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Tgt Ion:252 Resp: 942878
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 9.6 9.6 14.4





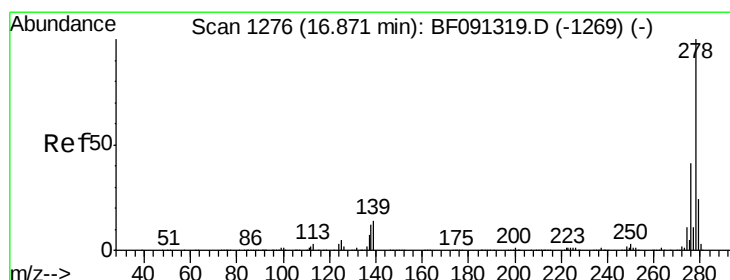
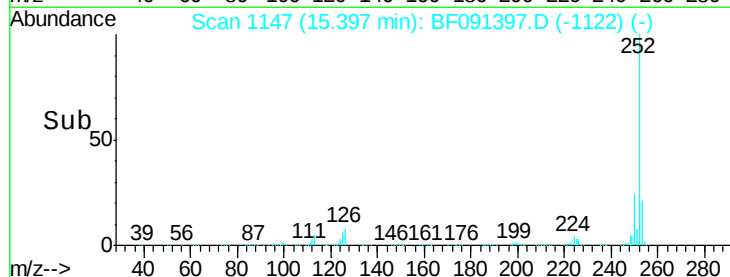
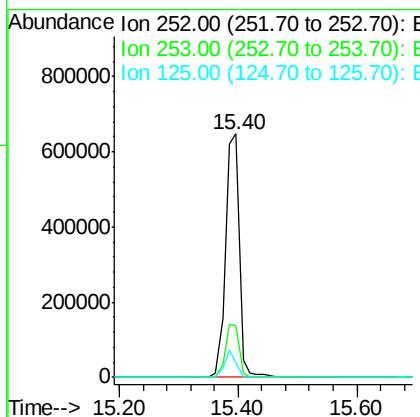
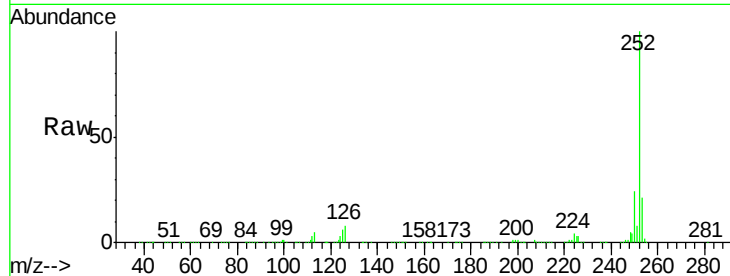
#89
Benzo(a)pyrene
Concen: 35.66 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.02 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Instrument :
BNA_F
ClientSampleId :
113016-02MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.2	27.4
125	5.9	10.4	15.6

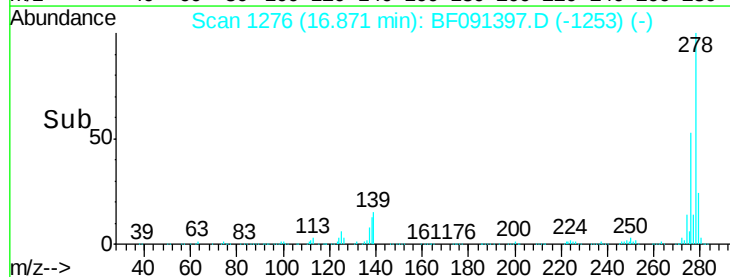
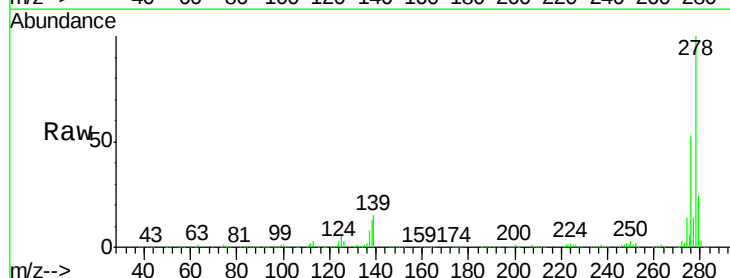
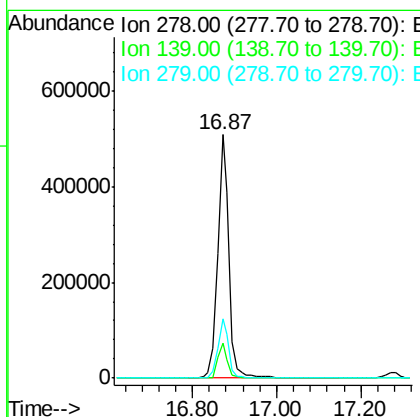
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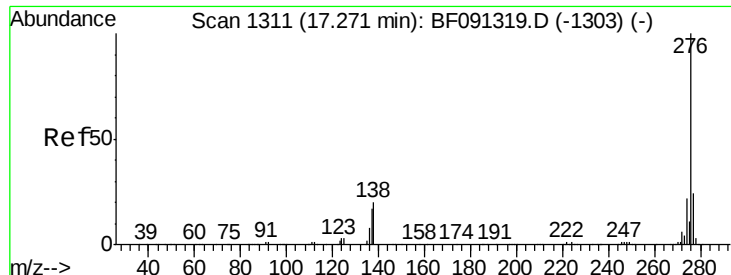
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#90
Dibenzo(a,h)anthracene
Concen: 35.15 ng
RT: 16.87 min Scan# 1276
Delta R.T. -0.04 min
Lab File: BF091397.D
Acq: 2 Dec 2016 18:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.6	15.1	22.7
279	24.5	19.0	28.6





#91
 Benzo(g,h,i)perylene
 Concen: 34.78 ng
 RT: 17.28 min Scan# 1312
 Delta R.T. -0.03 min
 Lab File: BF091397.D
 Acq: 2 Dec 2016 18:56

Instrument :
 BNA_F
 ClientSampleId :
 113016-02MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.3	19.0	28.4
138	16.9	15.4	23.0

Manual Integrations
 APPROVED

sohil
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