

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121716\
 Data File : BF091726.D
 Acq On : 18 Dec 2016 2:35
 Operator : UM/SJ
 Sample : PB95429BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 PB95429BS

Manual Integrations
 APPROVED

umangi
 12/20/2016 11:40:51 AM

Quant Time: Dec 19 00:20:11 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	321780	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	1269486	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	697581	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	1073278	20.00	ng	0.00
75) Chrysene-d12	13.93	240	743617	20.00	ng	0.00
86) Perylene-d12	15.33	264	830927	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	2886846	150.31	ng	0.02
7) Phenol-d6	6.42	99	3125754	133.44	ng	0.00
23) Nitrobenzene-d5	7.34	82	2211051	100.44	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	706083	119.37	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	3148074	90.66	ng	0.00
78) Terphenyl-d14	12.88	244	2872251	97.53	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.43	88	399919	42.28	ng	99
3) Pyridine	3.10	79	1162271	38.14	ng	99
4) n-Nitrosodimethylamine	3.08	42	542115	45.97	ng	99
6) Aniline	6.44	93	523569	17.37	ng	# 73
8) 2-Chlorophenol	6.56	128	906975	42.90	ng	97
9) Benzaldehyde	6.30	77	150048	8.28	ng	87
10) Phenol	6.43	94	927486	35.13	ng	95
11) bis(2-Chloroethyl)ether	6.51	93	901168	42.74	ng	99
12) 1,3-Dichlorobenzene	6.70	146	957669m	41.25	ng	
13) 1,4-Dichlorobenzene	6.78	146	937205	39.90	ng	100
14) 1,2-Dichlorobenzene	6.94	146	930434	45.22	ng	97
15) Benzyl Alcohol	6.92	79	750638	41.39	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.06	45	1371876	42.58	ng	100
17) 2-Methylphenol	7.04	107	807411	45.70	ng	99
18) Hexachloroethane	7.29	117	383186	43.90	ng	92
19) n-Nitroso-di-n-propylamine	7.20	70	654037	41.98	ng	99
20) 3+4-Methylphenols	7.20	107	925785	46.98	ng	# 88
22) Acetophenone	7.18	105	1331704	43.45	ng	98
24) Nitrobenzene	7.36	77	938094	39.68	ng	98
25) Isophorone	7.60	82	1991388	47.41	ng	96
26) 2-Nitrophenol	7.68	139	552467	48.45	ng	95
27) 2,4-Dimethylphenol	7.72	122	895547	48.14	ng	99
28) bis(2-Chloroethoxy)methane	7.81	93	1190219	48.43	ng	100
29) 2,4-Dichlorophenol	7.92	162	791991	46.16	ng	87
30) 1,2,4-Trichlorobenzene	8.00	180	832063	44.75	ng	# 96
31) Naphthalene	8.08	128	2505687	41.31	ng	99
32) Benzoic acid	7.87	122	630703	47.57	ng	98
33) 4-Chloroaniline	8.13	127	233872	9.15	ng	95
34) Hexachlorobutadiene	8.20	225	478442	45.76	ng	98
35) Caprolactam	8.52	113	283989m	51.44	ng	
36) 4-Chloro-3-methylphenol	8.62	107	923713	48.80	ng	99
37) 2-Methylnaphthalene	8.77	142	1824116	47.71	ng	100
39) 1,2,4,5-Tetrachlorobenzene	8.94	216	762760	43.87	ng	99
40) Hexachlorocyclopentadiene	8.93	237	859418	116.62	ng	98

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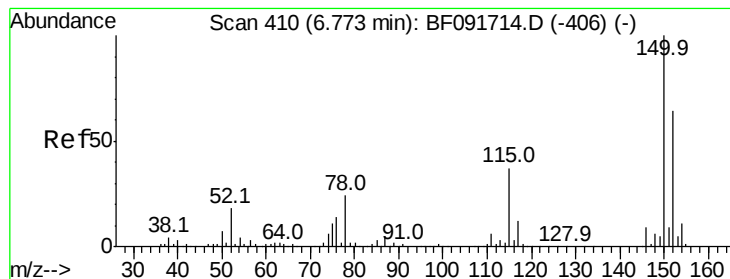
Manual Integrations
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 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	584283	47.03	nq	99
43) 2,4,5-Trichlorophenol	9.10	196	570185	46.72	nq	# 91
45) 1,1'-Biphenyl	9.24	154	2274821	45.50	nq	99
46) 2-Chloronaphthalene	9.26	162	1690598	45.25	nq	98
47) 2-Nitroaniline	9.36	65	517515	40.57	nq	98
48) Acenaphthylene	9.68	152	2544968	43.96	nq	100
49) Dimethylphthalate	9.55	163	2110514	46.32	nq	99
50) 2,6-Dinitrotoluene	9.61	165	517902	51.84	nq	100
51) Acenaphthene	9.85	154	1742606	43.86	nq	99
52) 3-Nitroaniline	9.77	138	195192	15.69	nq	93
53) 2,4-Dinitrophenol	9.88	184	516921	95.78	nq	# 68
54) Dibenzofuran	10.02	168	2171409	45.96	nq	99
55) 4-Nitrophenol	9.95	139	706568	81.79	nq	98
56) 2,4-Dinitrotoluene	10.01	165	530783	42.53	nq	89
57) Fluorene	10.36	166	1750256	47.69	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.14	232	451403	44.73	nq	99
59) Diethylphthalate	10.25	149	2034740	45.43	nq	96
60) 4-Chlorophenyl-phenylether	10.35	204	693667	41.49	nq	98
61) 4-Nitroaniline	10.38	138	463354	39.32	nq	100
62) Azobenzene	10.51	77	2064962	43.33	nq	99
64) 4,6-Dinitro-2-methylphenol	10.42	198	367954	51.98	nq	82
65) n-Nitrosodiphenylamine	10.48	169	1568292	47.06	nq	99
66) 4-Bromophenyl-phenylether	10.84	248	527687	46.89	nq	96
67) Hexachlorobenzene	10.91	284	581177	49.28	nq	94
68) Atrazine	11.01	200	552912	54.90	nq	93
69) Pentachlorophenol	11.10	266	591671	92.97	nq	99
70) Phenanthrene	11.32	178	2757558	51.42	nq	99
71) Anthracene	11.37	178	2296679	40.43	nq	100
72) Carbazole	11.53	167	2379288	47.90	nq	100
73) Di-n-butylphthalate	11.86	149	2763368	43.39	nq	100
74) Fluoranthene	12.50	202	2378237	42.46	nq	100
76) Benzidine	12.63	184	599075	27.99	nq	97
77) Pyrene	12.73	202	2387688	44.46	nq	99
79) Butylbenzylphthalate	13.36	149	1244633	49.52	nq	97
80) Benzo(a)anthracene	13.92	228	2037014	47.89	nq	99
81) 3,3'-Dichlorobenzidine	13.88	252	480173	28.21	nq	98
82) Chrysene	13.96	228	2022084	45.86	nq	99
83) Bis(2-ethylhexyl)phthalate	13.92	149	1429938	44.85	nq	99
84) Di-n-octyl phthalate	14.53	149	3039536	51.74	nq	99
85) Indeno(1,2,3-cd)pyrene	16.68	276	2130704	49.15	nq	100
87) Benzo(b)fluoranthene	14.93	252	2677347m	50.81	nq	
88) Benzo(k)fluoranthene	14.97	252	1431060m	38.71	nq	
89) Benzo(a)pyrene	15.28	252	1973363	43.64	nq	100
90) Dibenzo(a,h)anthracene	16.71	278	1738193	44.10	nq	99
91) Benzo(g,h,i)perylene	17.09	276	1745463	43.57	nq	# 95

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



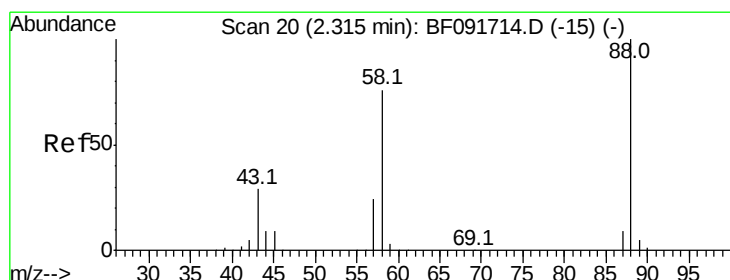
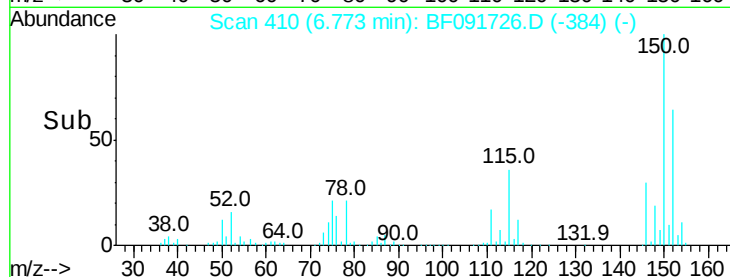
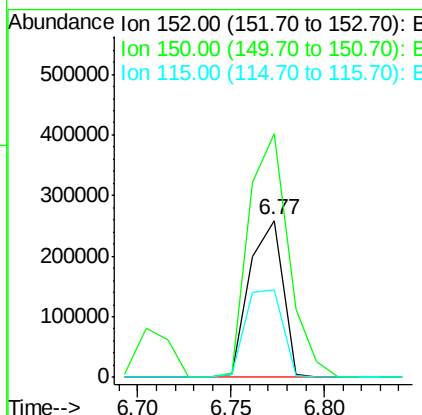
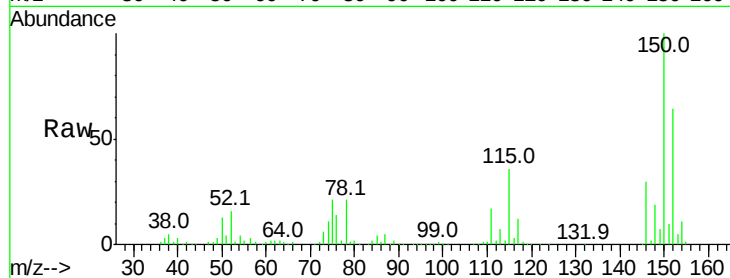
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Instrument :
 BNA_F
 ClientSampled :
 PB95429BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.9	187.3
115	55.5	46.0	69.0

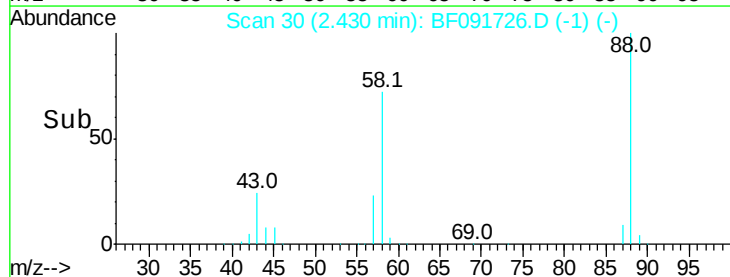
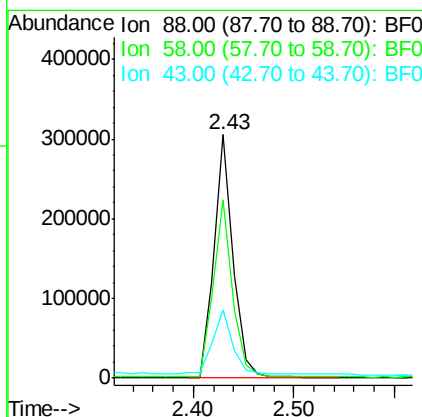
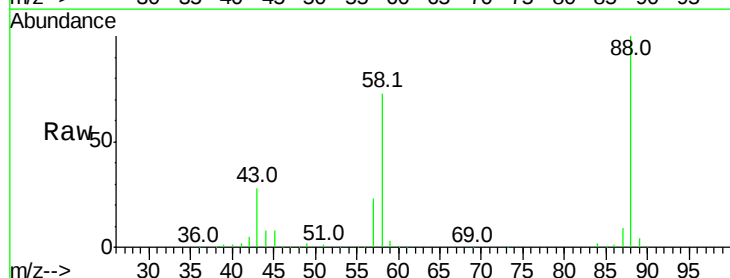
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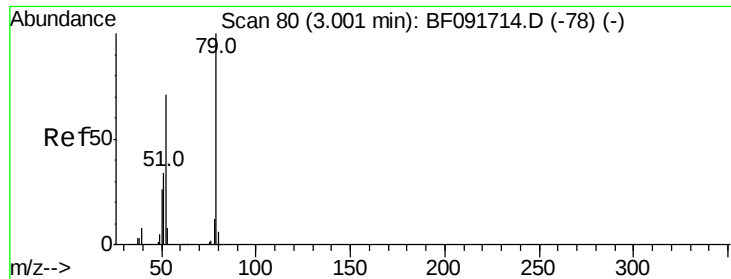
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#2
 1,4-Dioxane
 Concen: 42.28 ng
 RT: 2.43 min Scan# 30
 Delta R.T. 0.11 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.1	57.8	86.8
43	27.5	22.3	33.5





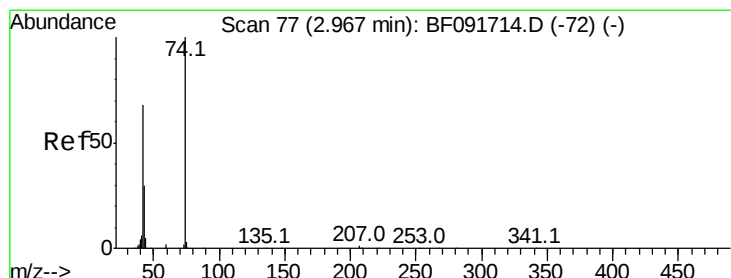
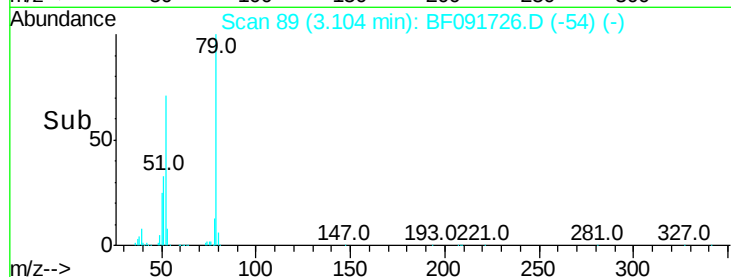
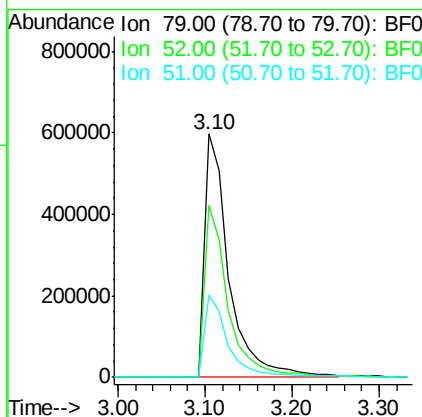
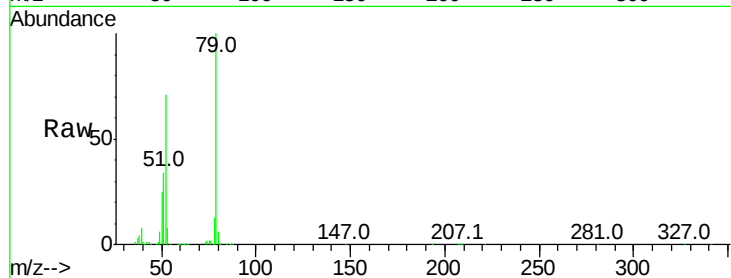
#3
 Pvridine
 Concen: 38.14 ng
 RT: 3.10 min Scan# 89
 Delta R.T. 0.10 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Instrument :
 BNA_F
 ClientSampleId :
 PB95429BS

Tot Ion	Ratio	Lower	Upper
79	100		
52	70.6	57.1	85.7
51	33.8	27.3	40.9

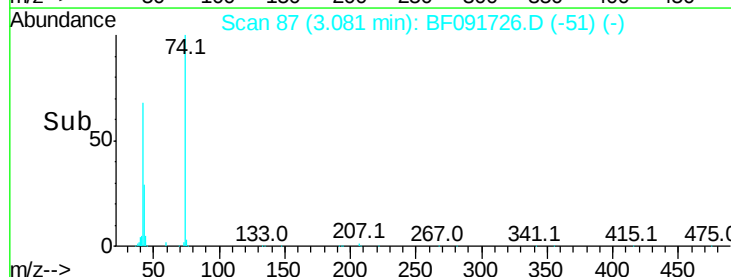
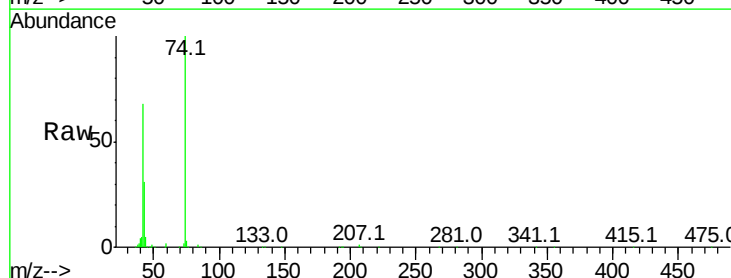
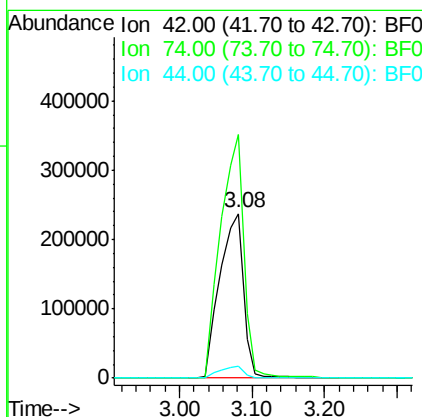
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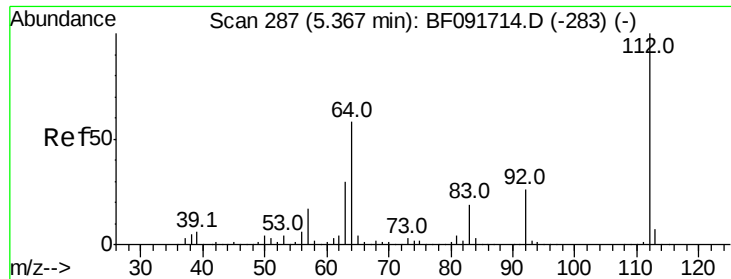
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#4
 n-Nitrosodimethylamine
 Concen: 45.97 ng
 RT: 3.08 min Scan# 87
 Delta R.T. 0.11 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Lower	Upper
42	100		
74	147.9	117.0	175.4
44	7.2	5.5	8.3





#5

2-Fluorophenol

Concen: 150.31 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.02 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

ClientSampleID :

PB95429BS

Tot Ion: 112 Resp: 2886846

Ion Ratio Lower Upper

112 100

64 56.1 46.1 69.1

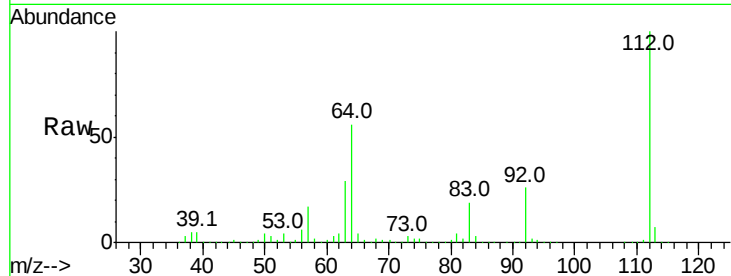
63 29.0 23.8 35.6

Manual Integrations

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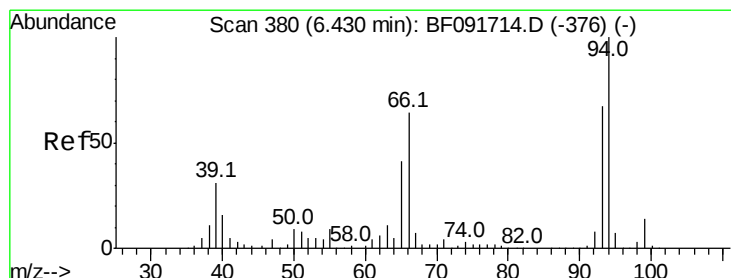
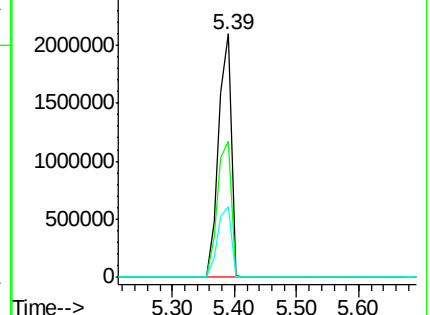
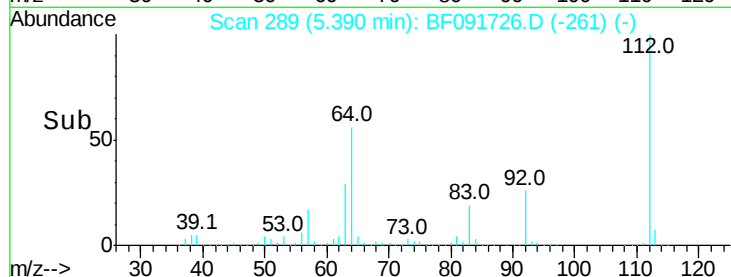
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 17.37 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.01 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

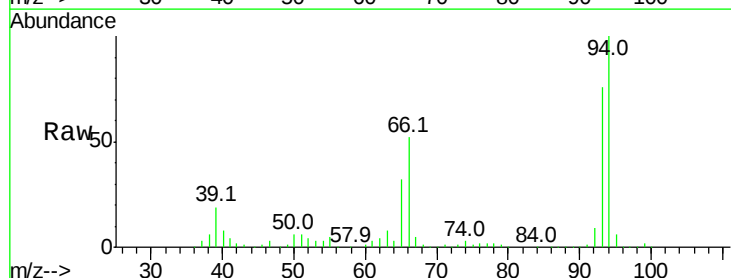
Tgt Ion: 93 Resp: 523569

Ion Ratio Lower Upper

93 100

66 68.1 76.2 114.2#

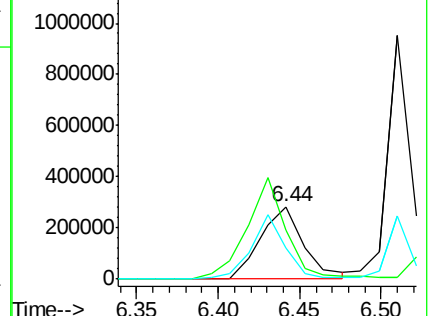
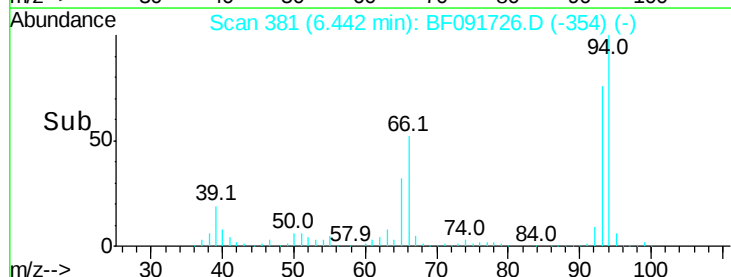
65 42.2 49.3 73.9#

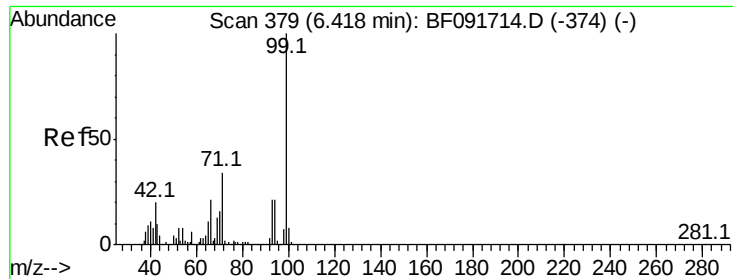


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 133.44 ng

RT: 6.42 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

ClientSampleId :

PB95429BS

Tot Ion: 99 Resp: 3125754

Ion Ratio Lower Upper

99 100

42 19.8 15.6 23.4

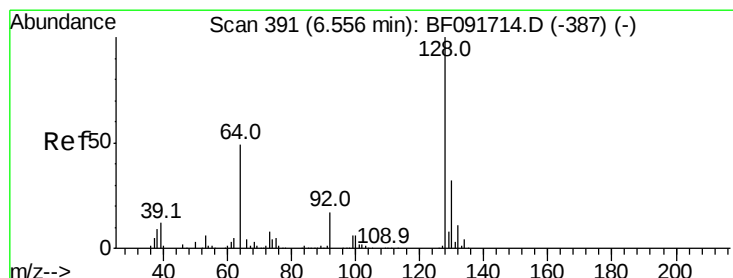
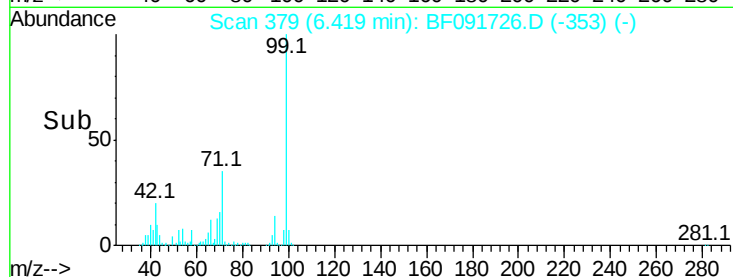
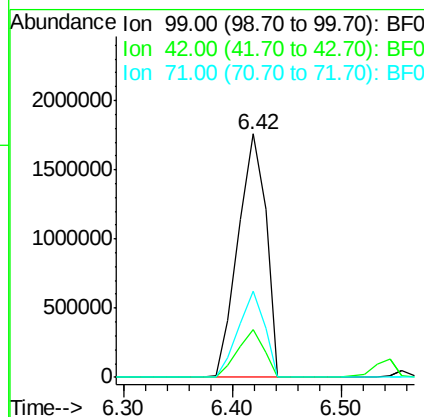
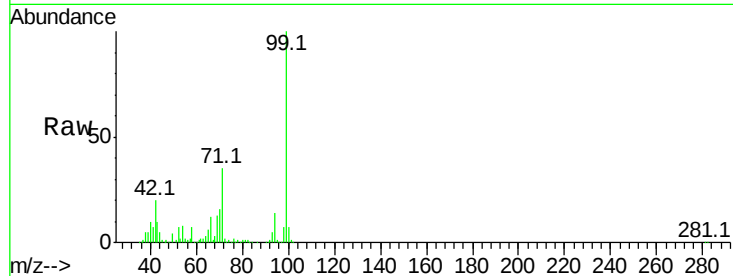
71 35.3 27.5 41.3

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#8

2-Chlorophenol

Concen: 42.90 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

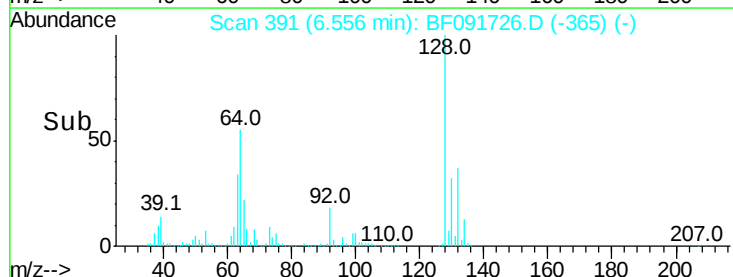
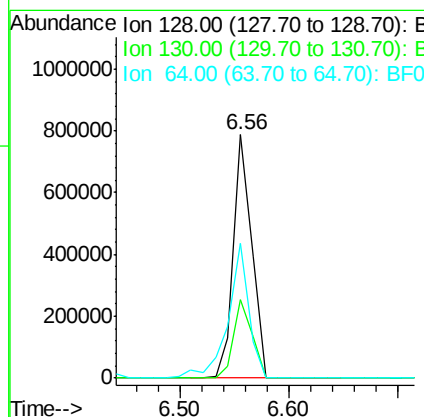
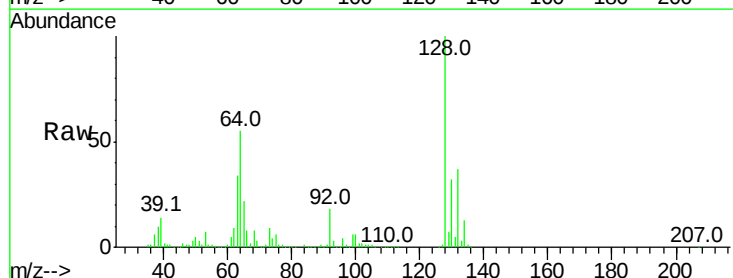
Tgt Ion:128 Resp: 906975

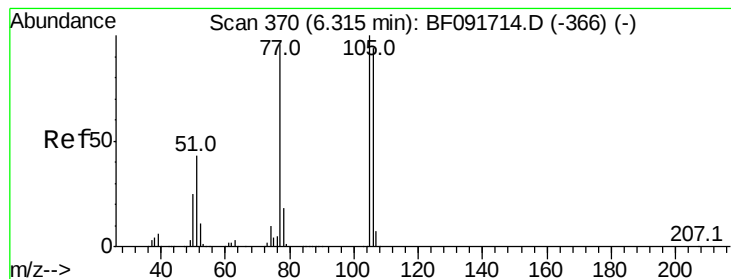
Ion Ratio Lower Upper

128 100

130 32.1 12.3 52.3

64 55.5 32.2 72.2





#9

Benzaldehyde

Concen: 8.28 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.01 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

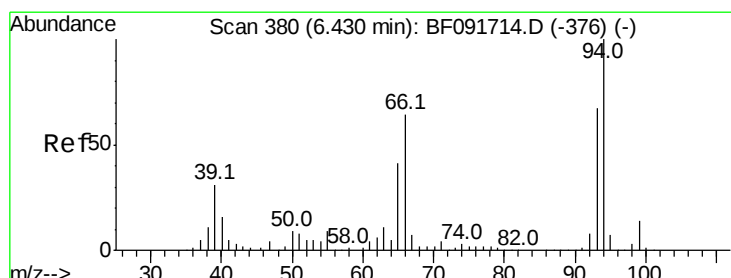
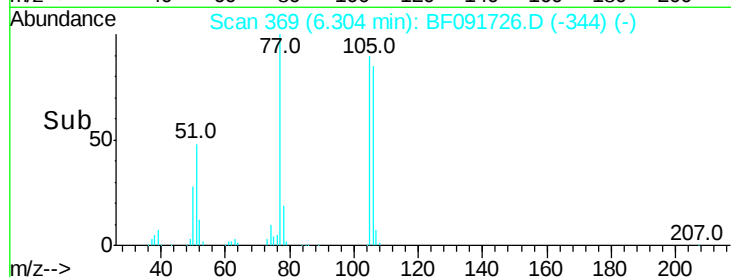
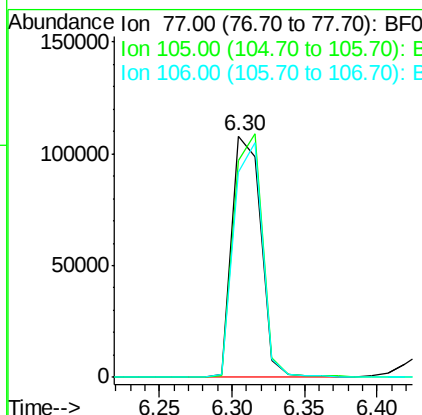
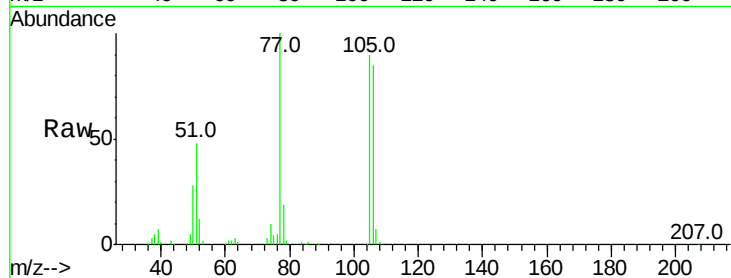
ClientSampleId :

PB95429BS

Tot Ion	Ratio	Lower	Upper
77	100		
105	89.9	83.9	123.9
106	85.2	77.6	117.6

Manual Integrations
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#10

Phenol

Concen: 35.13 ng

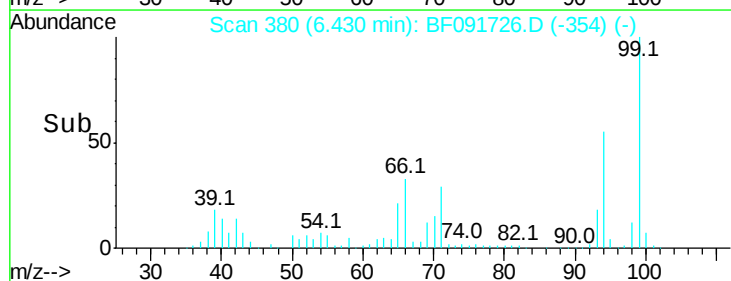
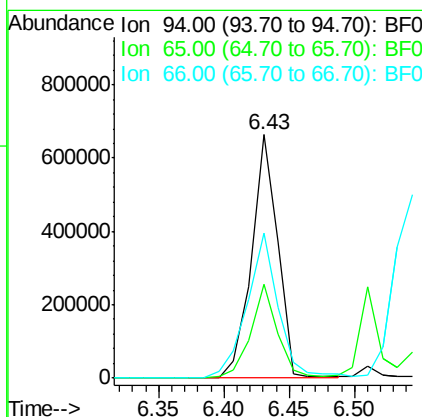
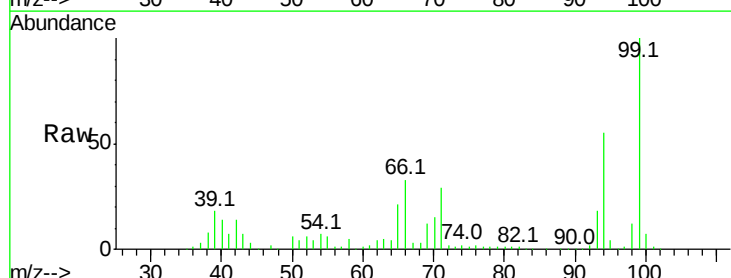
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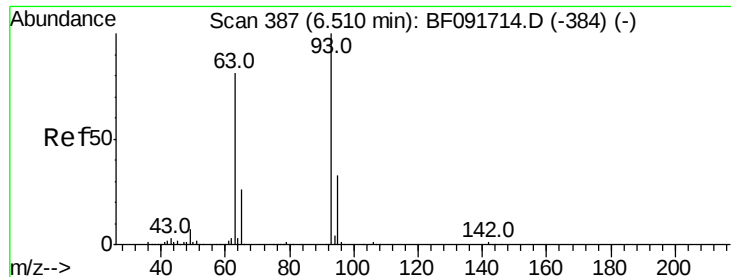
Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Lower	Upper
94	100		
65	38.3	21.4	61.4
66	59.6	44.0	84.0





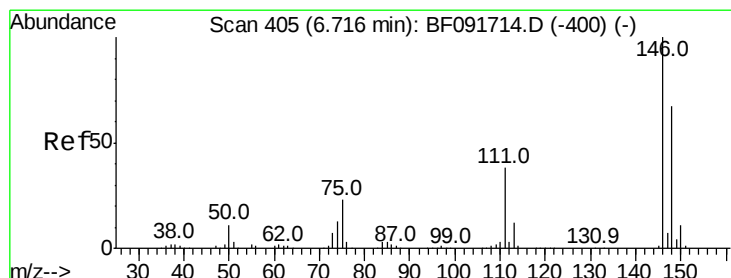
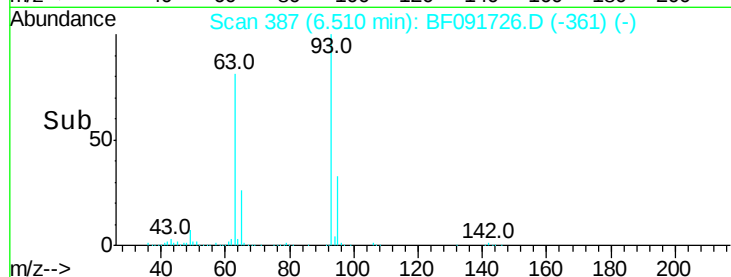
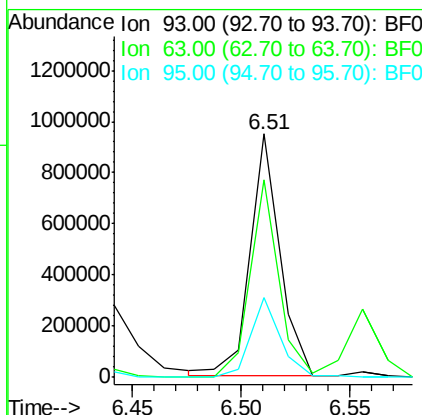
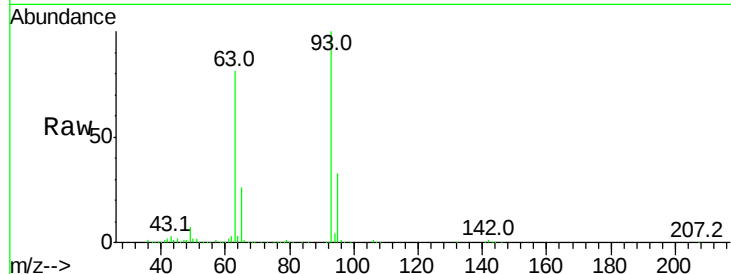
#11
bis(2-Chloroethyl)ether
Concen: 42.74 ng
RT: 6.51 min Scan# 387
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	81.1	60.4	100.4	
95	32.9	12.8	52.8	

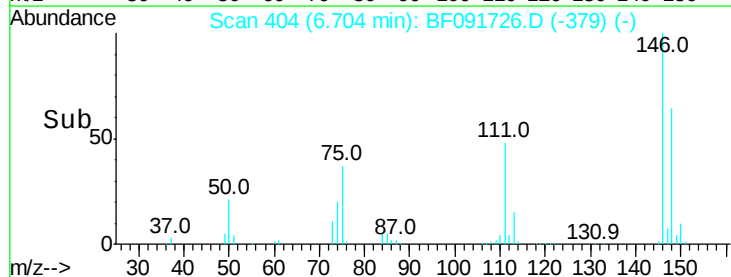
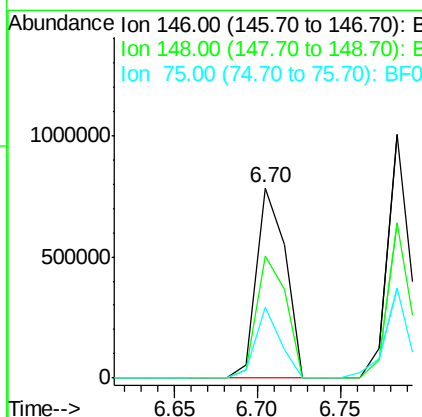
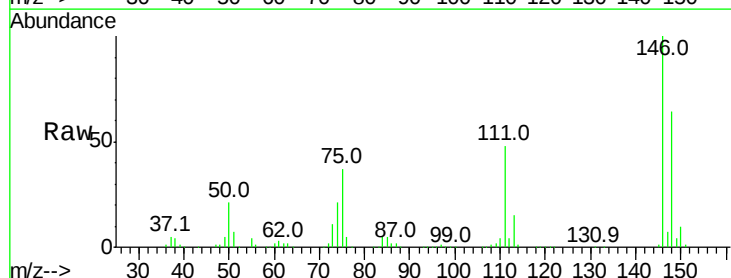
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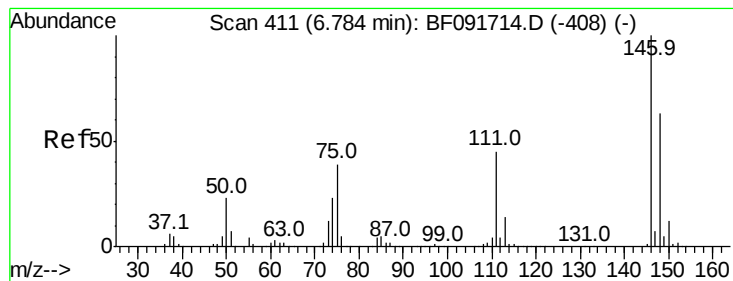
umangi
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#12
1,3-Dichlorobenzene
Concen: 41.25 ng m
RT: 6.70 min Scan# 404
Delta R.T. -0.01 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	64.0	53.4	80.0	
75	37.3	18.5	27.7	





#13

1,4-Dichlorobenzene

Concen: 39.90 ng

RT: 6.78 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

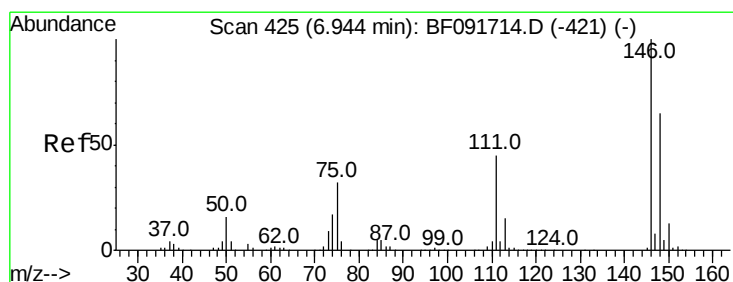
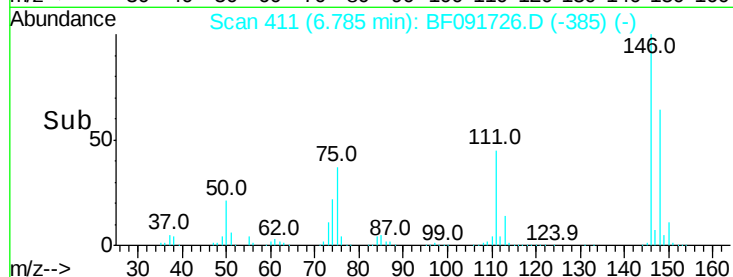
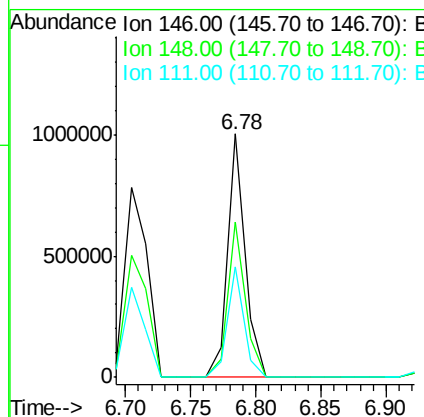
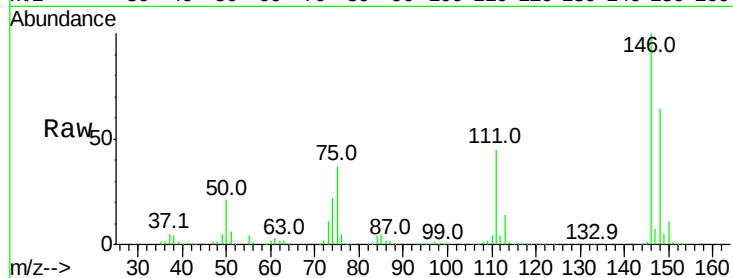
ClientSampled :

PB95429BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
111	45.1	36.2	54.4

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#14

1,2-Dichlorobenzene

Concen: 45.22 ng

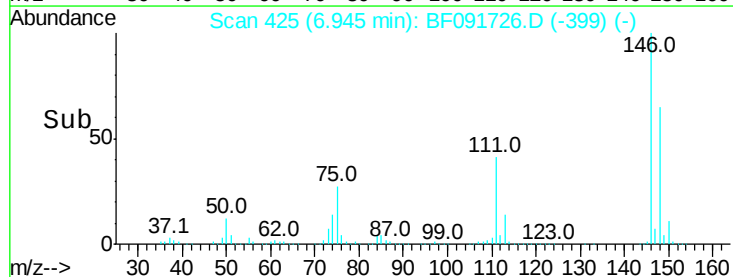
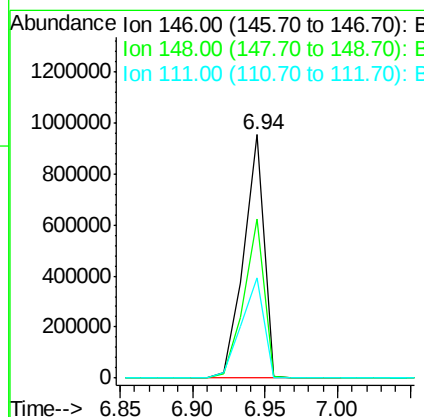
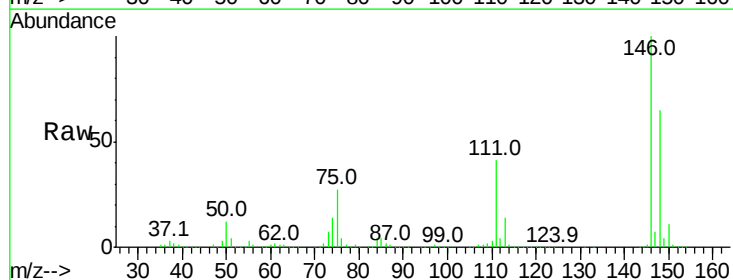
RT: 6.94 min Scan# 425

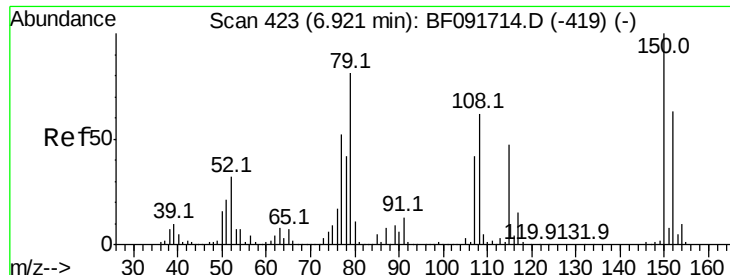
Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.2	78.2
111	41.3	36.2	54.2





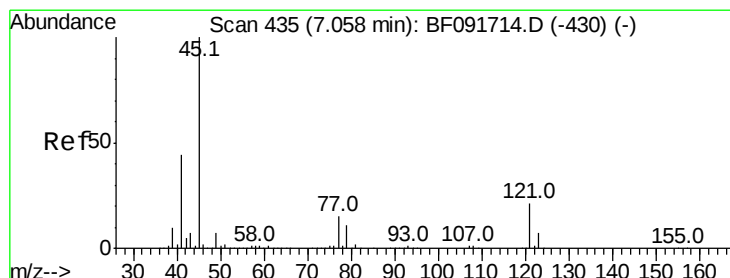
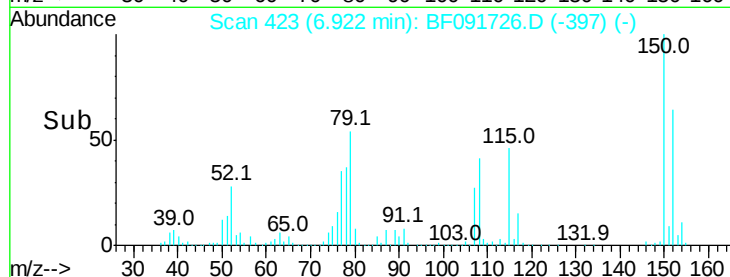
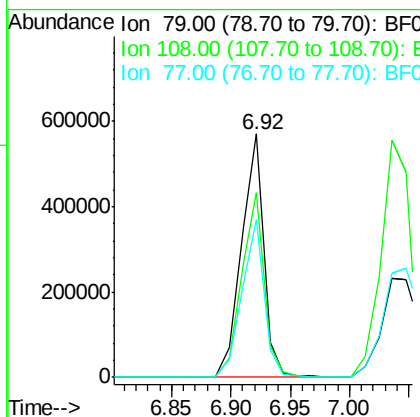
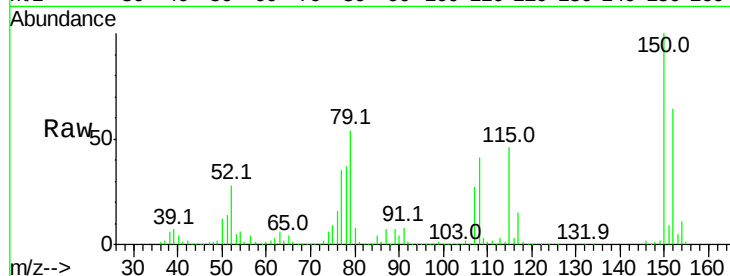
#15
Benzyl Alcohol
Concen: 41.39 ng
RT: 6.92 min Scan# 423
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	75.8	61.4	92.0
77	65.0	50.9	76.3

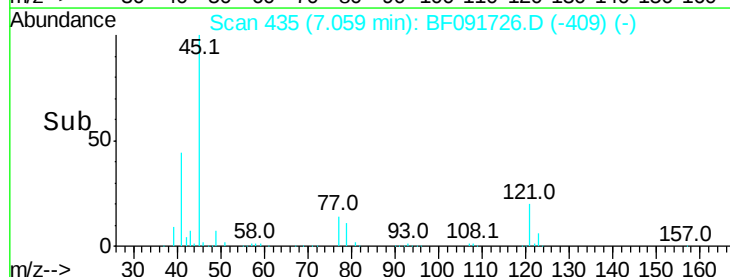
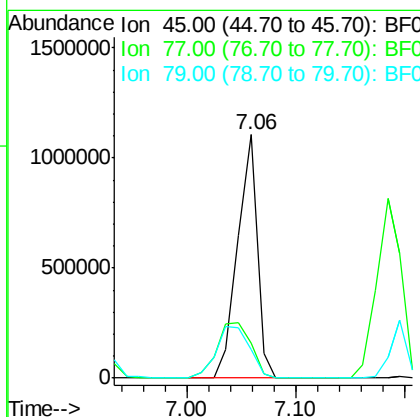
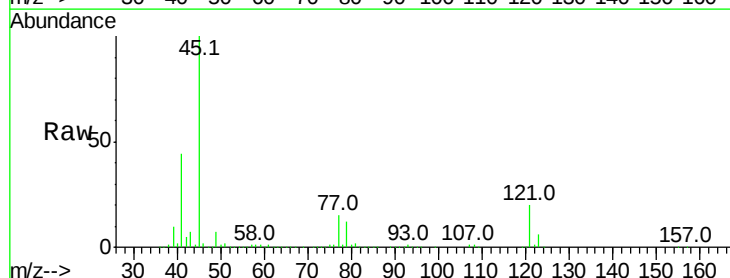
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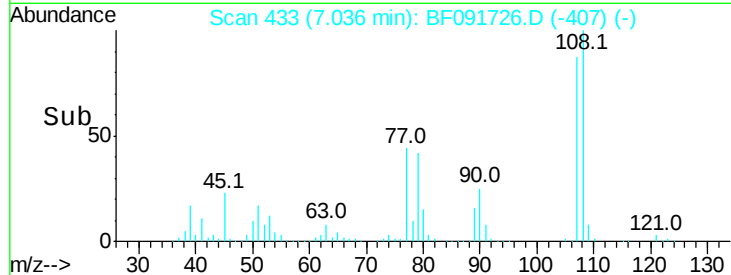
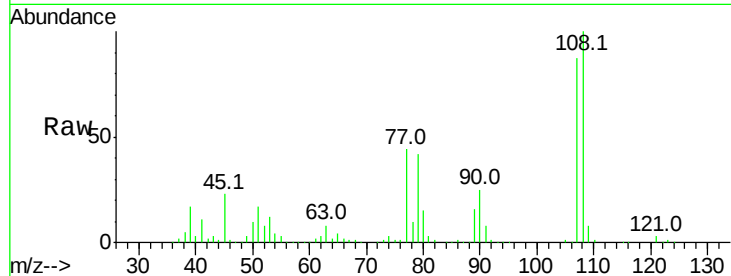
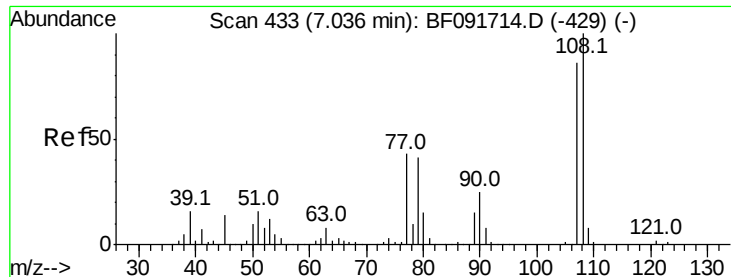
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#16
2,2'-oxybis(1-chloropropane)
Concen: 42.58 ng
RT: 7.06 min Scan# 435
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.5	0.0	34.6
79	11.5	0.0	31.2





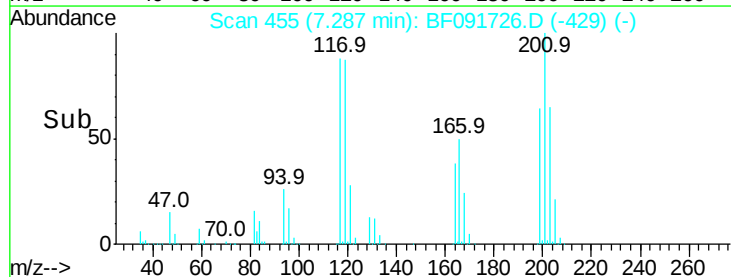
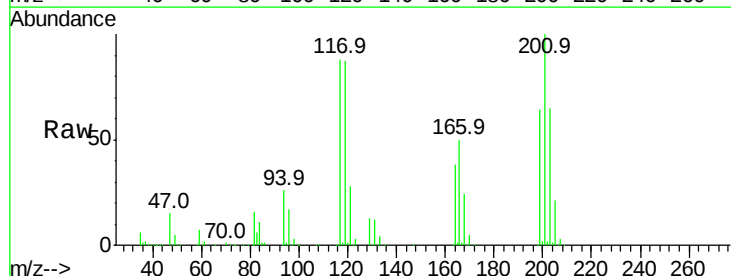
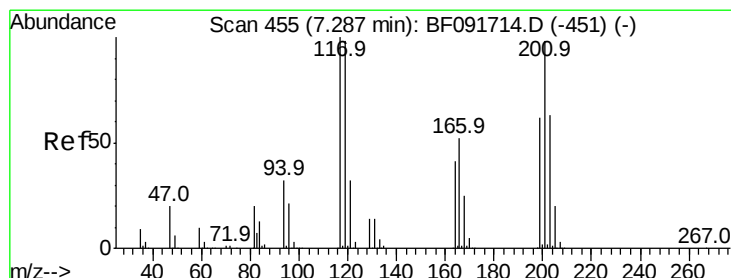
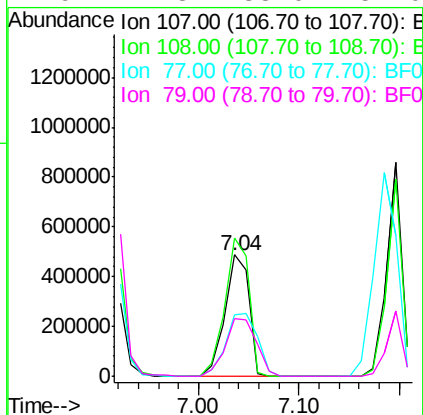
#17
2-Methylphenol
Concen: 45.70 ng
RT: 7.04 min Scan# 433
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tot Ion	107	Resp	807411
Ion Ratio	Lower	Upper	
107	100		
108	114.4	93.0	139.6
77	50.3	39.8	59.8
79	47.8	38.0	57.0

Instrument :
BNA_F
ClientSampleId :
PB95429BS

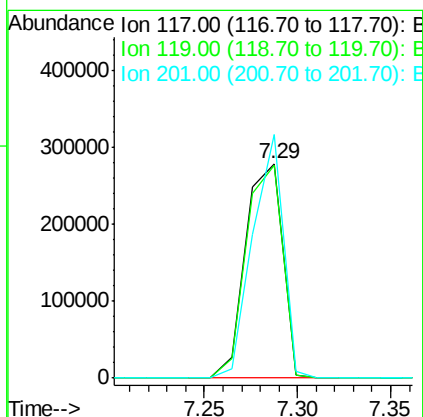
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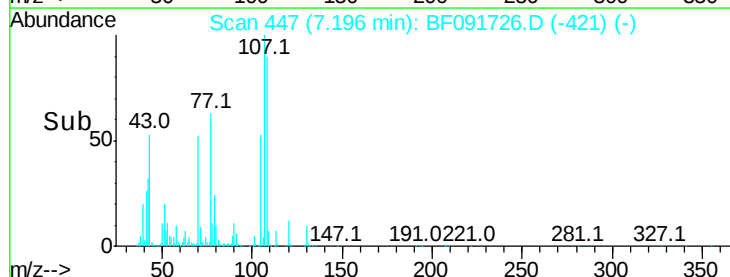
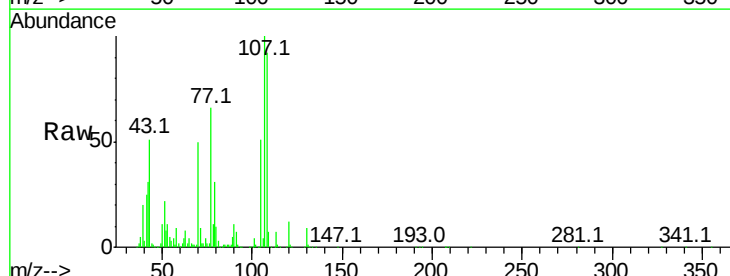
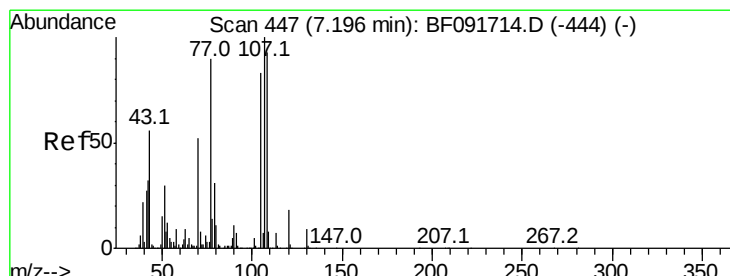
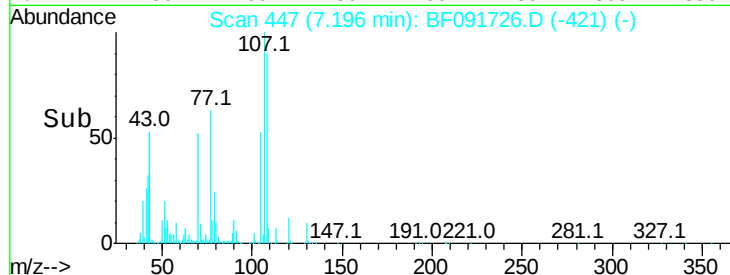
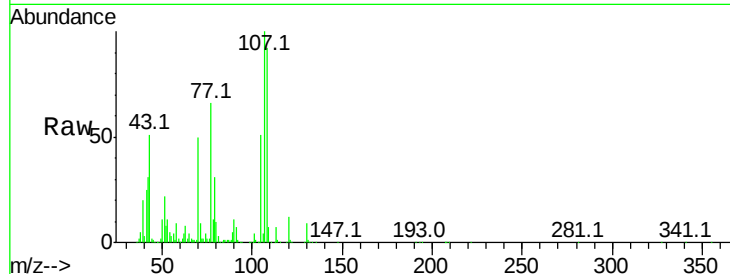
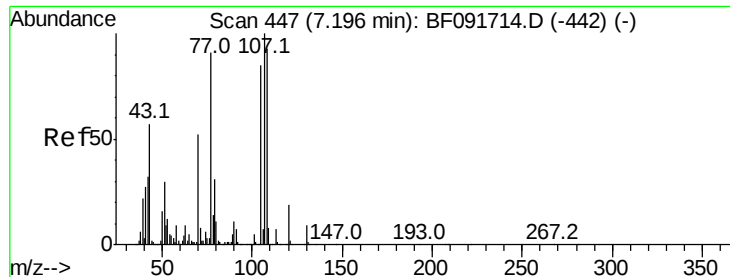
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#18
Hexachloroethane
Concen: 43.90 ng
RT: 7.29 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion	117	Resp	383186
Ion Ratio	Lower	Upper	
117	100		
119	98.9	78.1	117.1
201	113.5	78.6	117.8





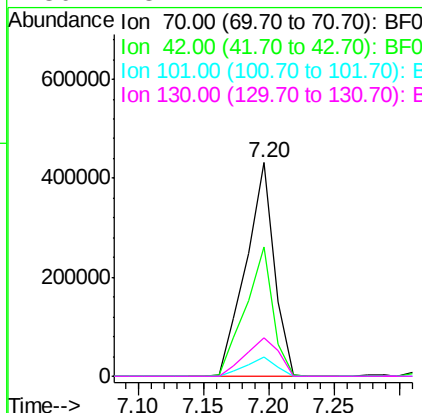
#19
n-Nitroso-di-n-propylamine
Concen: 41.98 ng
RT: 7.20 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	60.8	49.4	74.0		
101	8.9	7.4	11.2		
130	18.2	14.2	21.4		

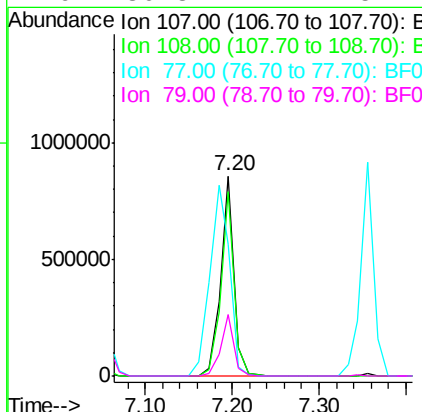
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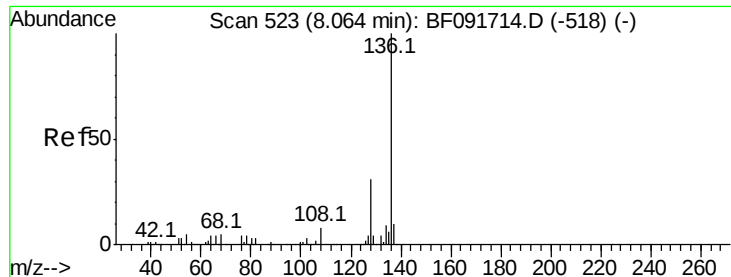
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#20
3+4-Methylphenols
Concen: 46.98 ng
RT: 7.20 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	92.2	73.0	113.0		
77	66.0	71.3	111.3		
79	30.8	11.1	51.1		





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

ClientSampleId :

PB95429BS

Tot Ion:136 Resp: 1269486

Ion Ratio Lower Upper

136 100

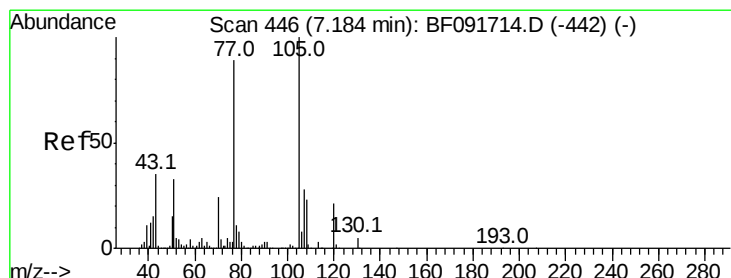
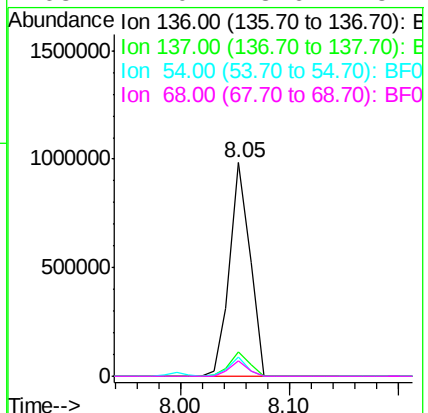
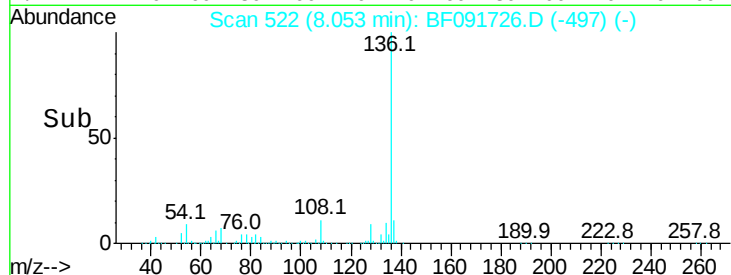
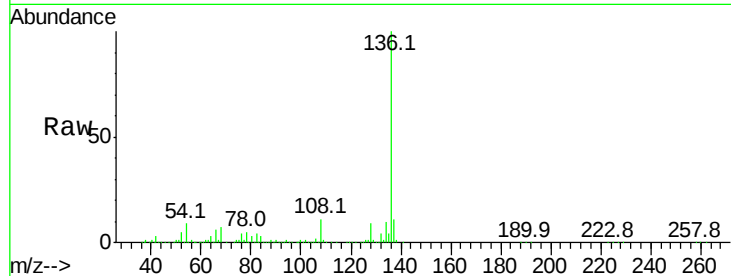
137 11.1 8.4 12.6

54 8.9 4.5 6.7#

68 7.0 3.6 5.4#

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#22

Acetophenone

Concen: 43.45 ng

RT: 7.18 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Tgt Ion:105 Resp: 1331704

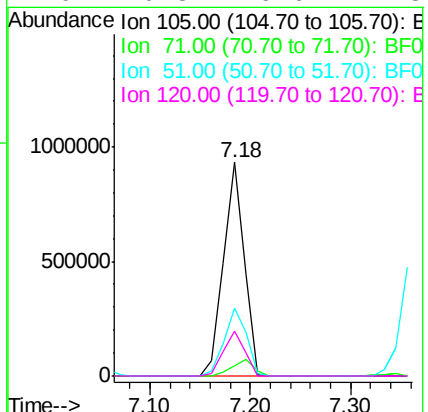
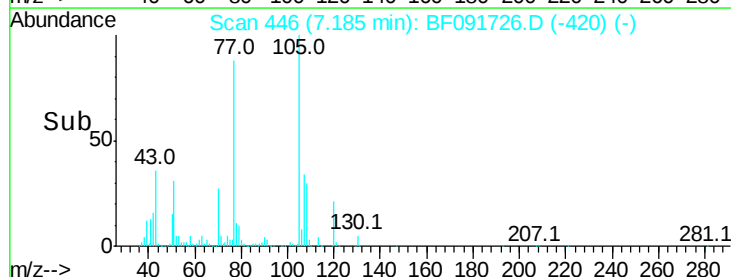
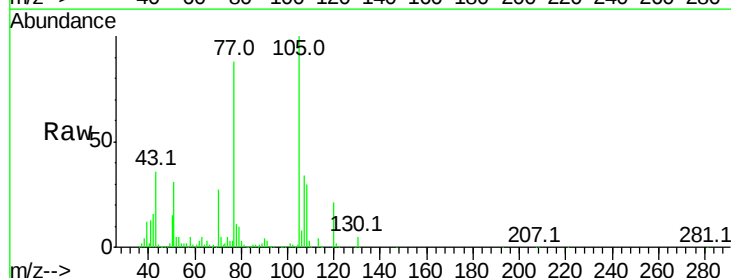
Ion Ratio Lower Upper

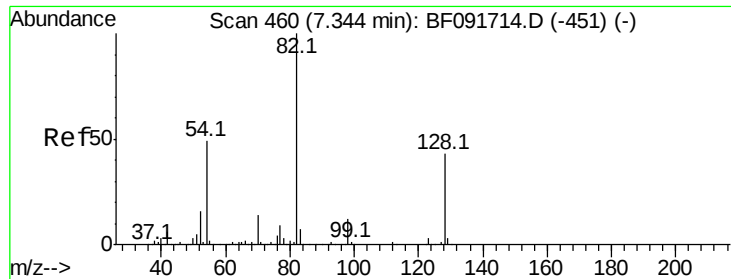
105 100

71 4.6 3.2 4.8

51 31.5 26.2 39.4

120 20.8 16.6 24.8





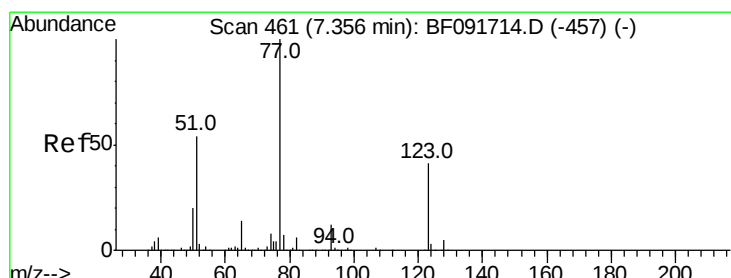
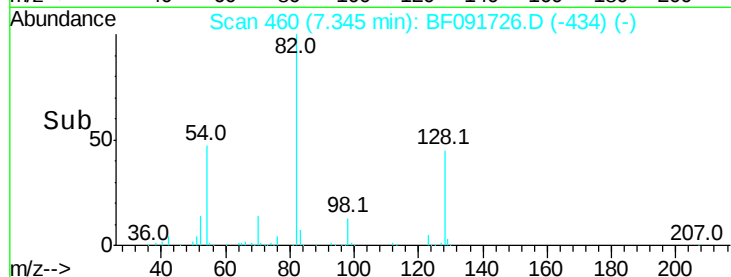
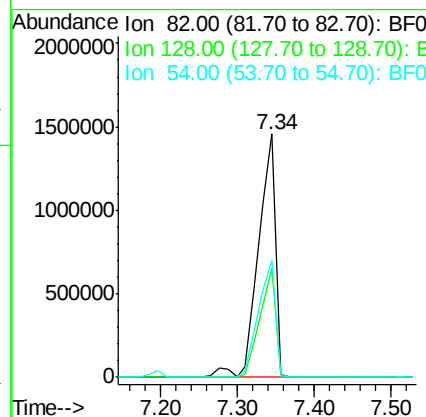
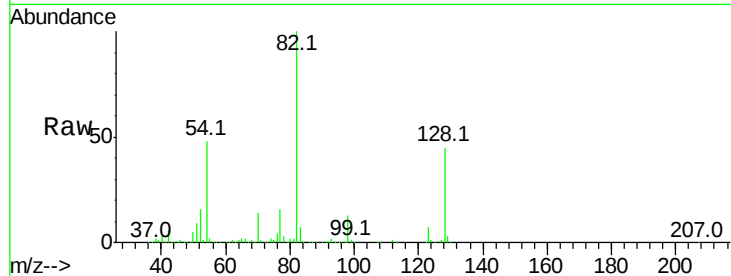
#23
Nitrobenzene-d5
Concen: 100.44 ng
RT: 7.34 min Scan# 460
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.6	52.0
54	48.2	39.5	59.3

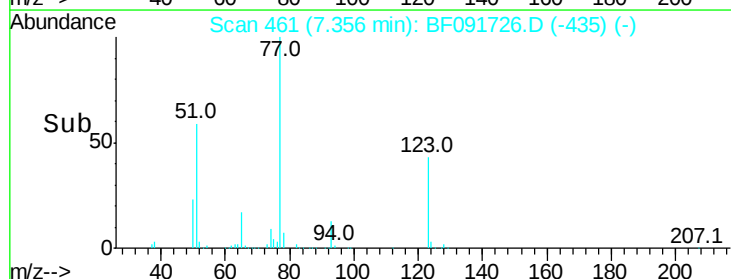
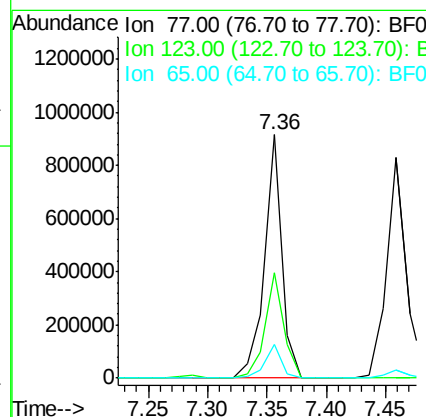
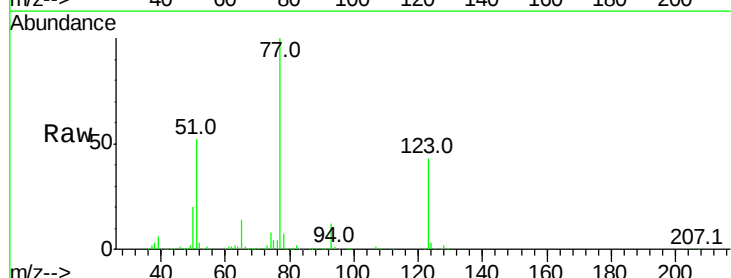
Manual Integrations
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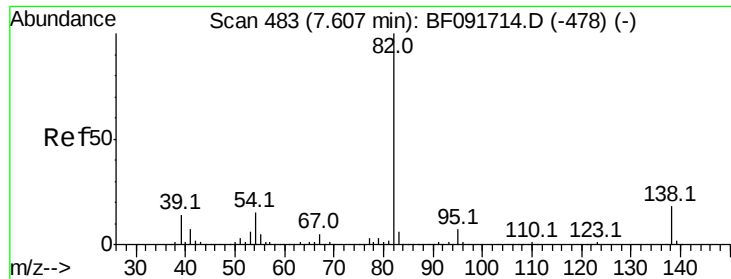
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#24
Nitrobenzene
Concen: 39.68 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.1	33.0	49.4
65	13.8	11.2	16.8





#25

Isophorone

Concen: 47.41 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

ClientSampleId :

PB95429BS

Tot Ion: 82 Resp: 1991388

Ion Ratio Lower Upper

82 100

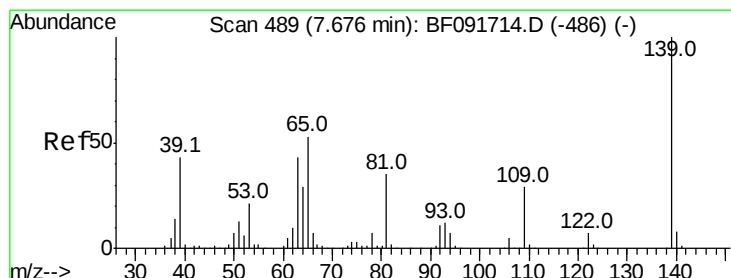
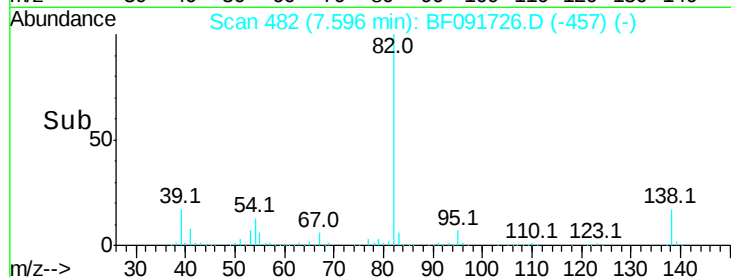
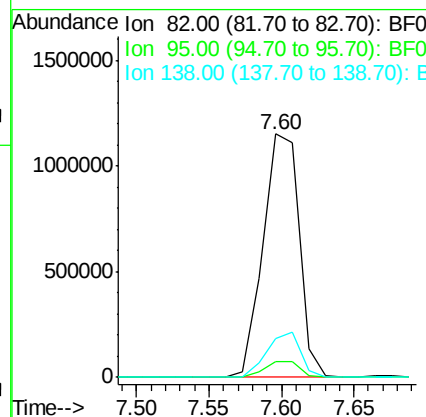
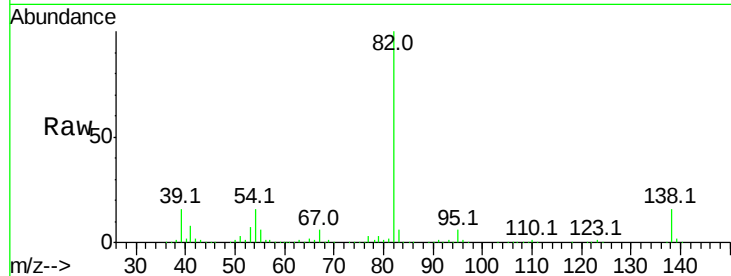
95 6.5 5.6 8.4

138 16.0 14.6 22.0

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#26

2-Nitrophenol

Concen: 48.45 ng

RT: 7.68 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

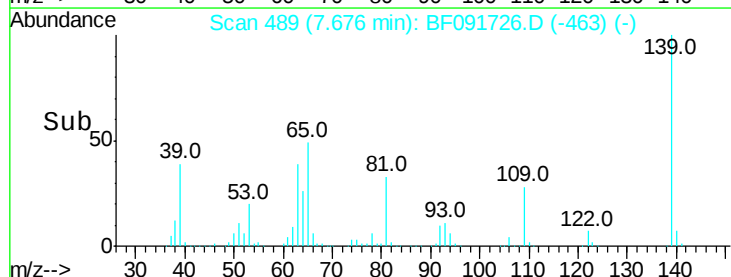
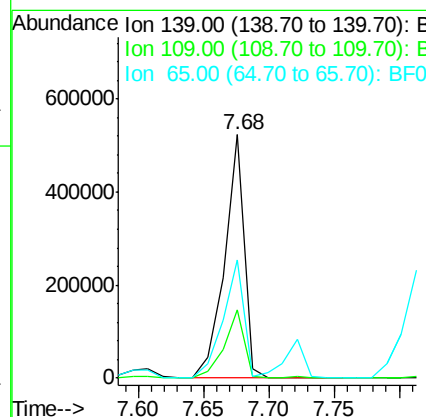
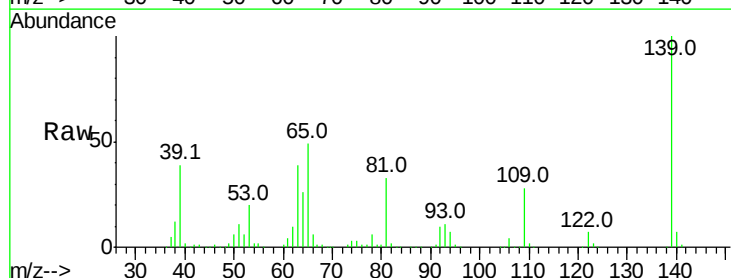
Tgt Ion: 139 Resp: 552467

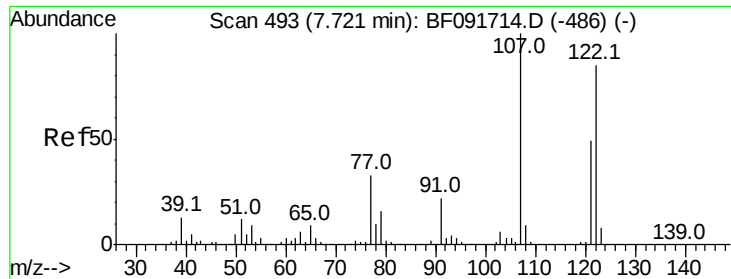
Ion Ratio Lower Upper

139 100

109 28.0 23.3 34.9

65 48.6 42.7 64.1





#27

2,4-Dimethylphenol

Concen: 48.14 ng

RT: 7.72 min Scan# 493

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

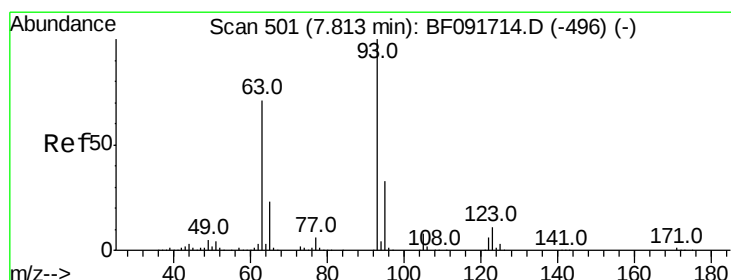
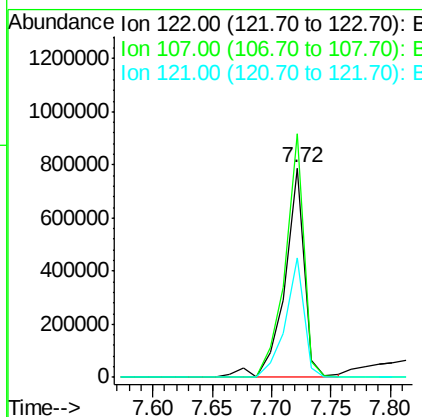
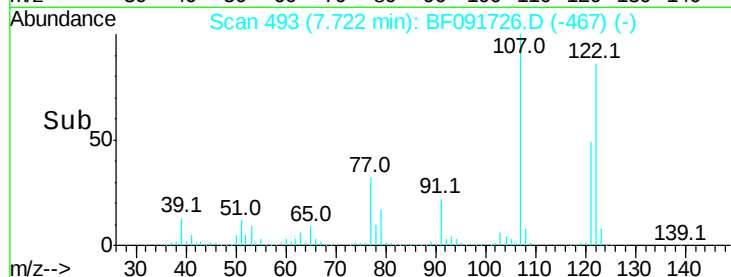
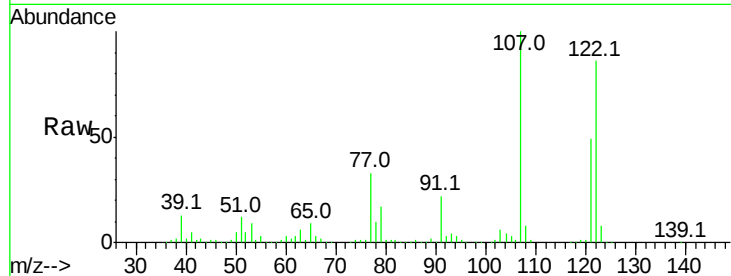
ClientSampleId :

PB95429BS

Tot Ion:	122	Resp:	895547
Ion Ratio	Lower	Upper	
122	100		
107	116.2	94.1	141.1
121	57.2	46.0	69.0

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#28

bis(2-Chloroethoxy)methane

Concen: 48.43 ng

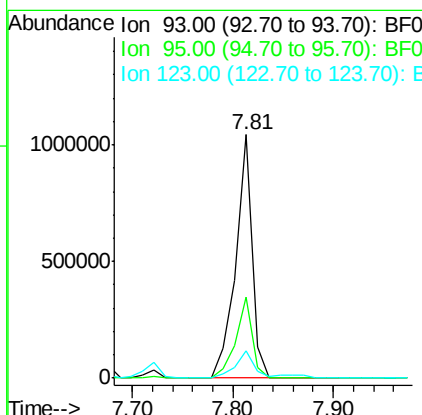
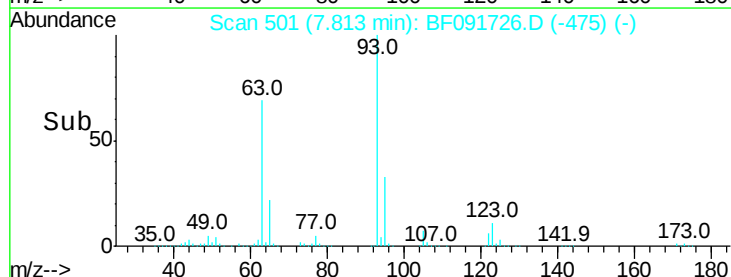
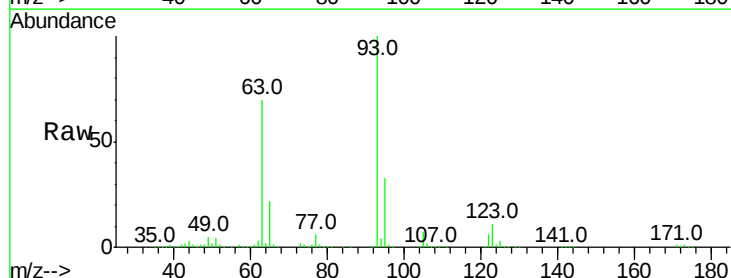
RT: 7.81 min Scan# 501

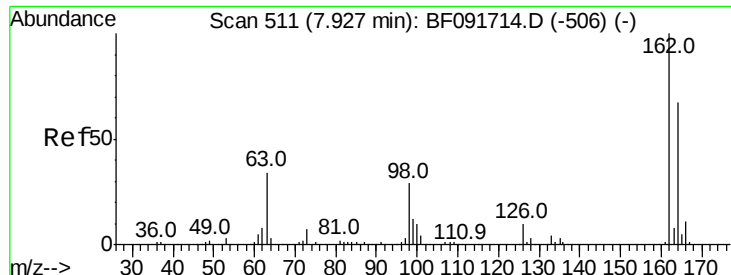
Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Tgt Ion:	93	Resp:	1190219
Ion Ratio	Lower	Upper	
93	100		
95	33.1	26.5	39.7
123	11.1	8.6	13.0





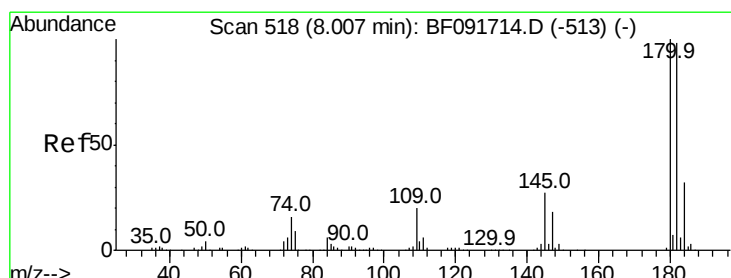
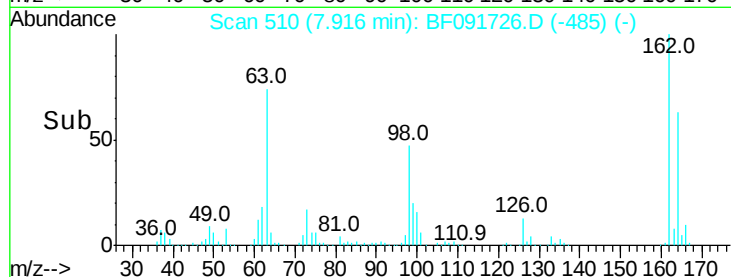
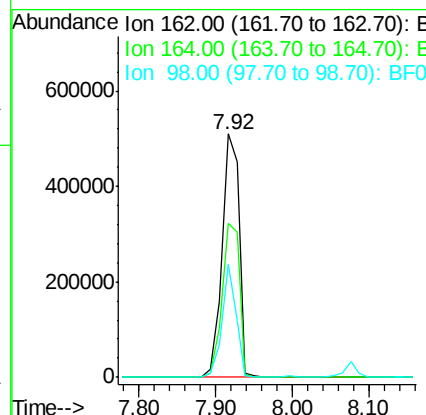
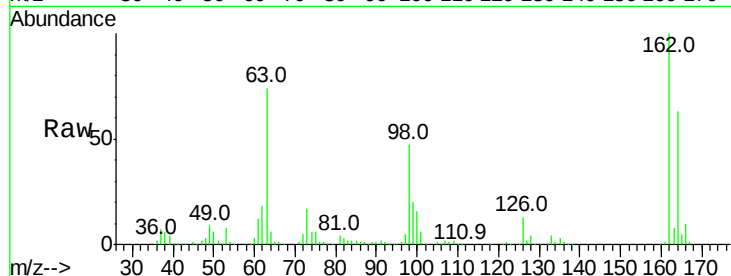
#29
 2,4-Dichlorophenol
 Concen: 46.16 ng
 RT: 7.92 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Instrument :
 BNA_F
 ClientSampleId :
 PB95429BS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	63.3	46.8	86.8
98	46.5	9.1	49.1

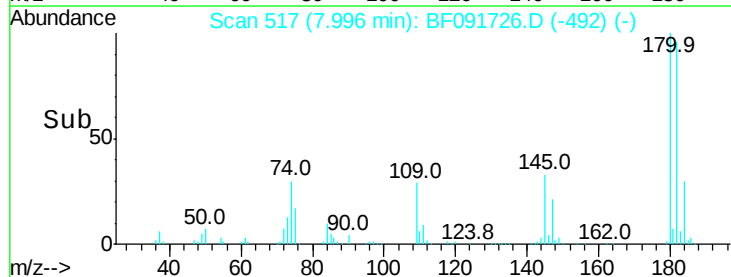
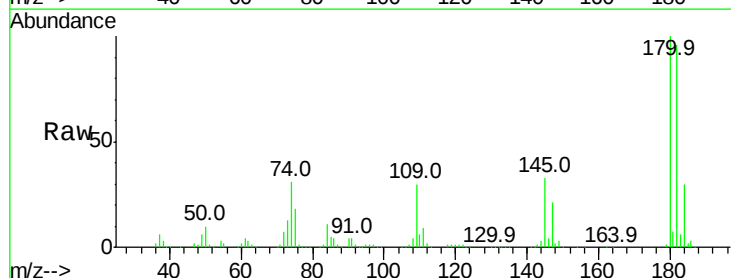
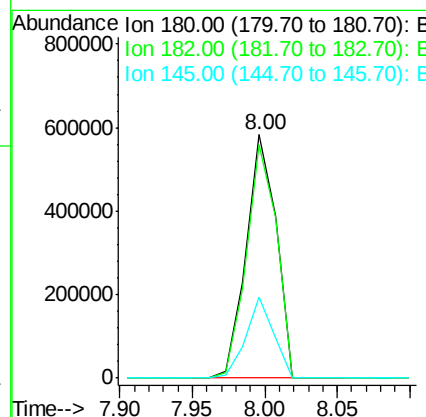
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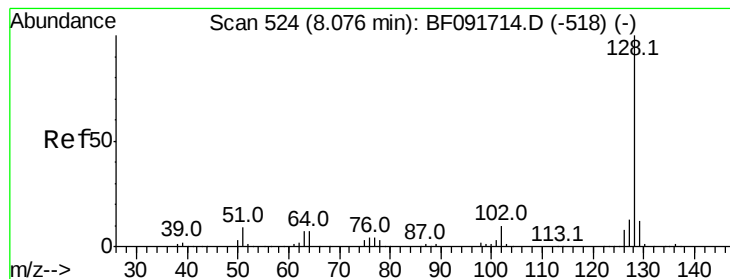
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#30
 1,2,4-Trichlorobenzene
 Concen: 44.75 ng
 RT: 8.00 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	95.6	78.2	117.4
145	33.0	21.6	32.4#





#31

Naphthalene

Concen: 41.31 ng

RT: 8.08 min Scan# 524

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

ClientSampleId :

PB95429BS

Tot Ion:128 Resp: 2505687

Ion Ratio Lower Upper

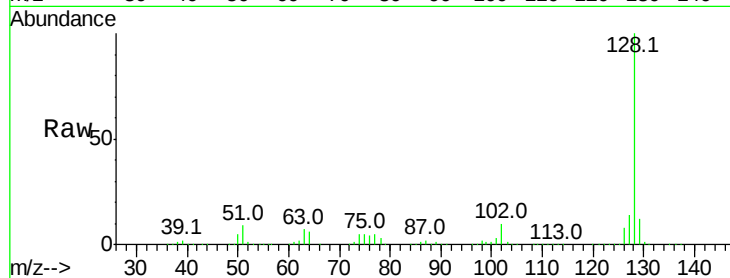
128 100

129 11.7 9.5 14.3

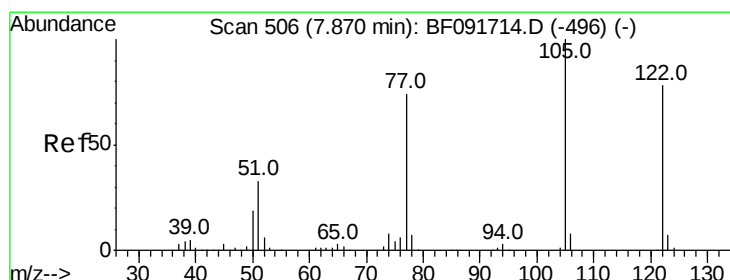
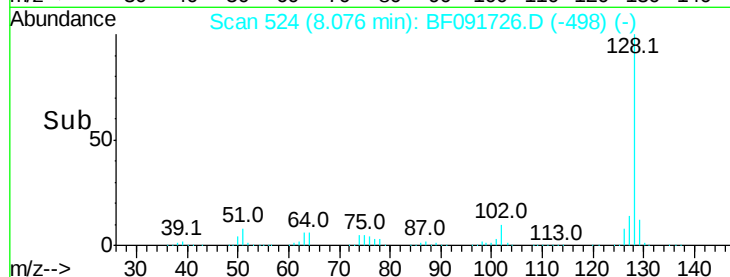
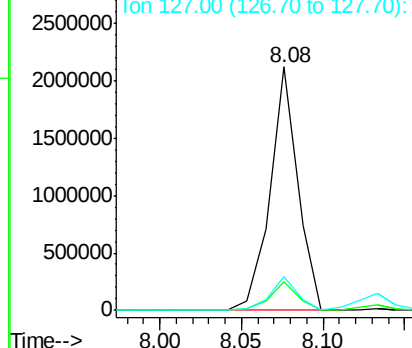
127 13.7 10.8 16.2

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



#32

Benzoic acid

Concen: 47.57 ng

RT: 7.87 min Scan# 506

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

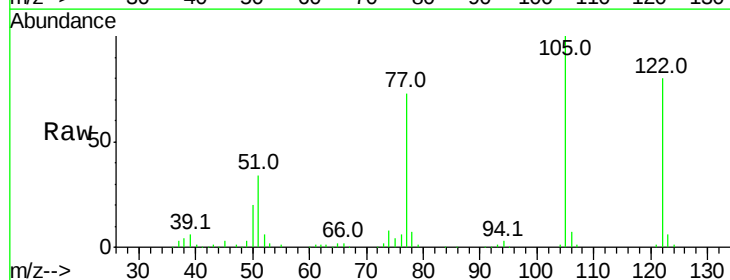
Tgt Ion:122 Resp: 630703

Ion Ratio Lower Upper

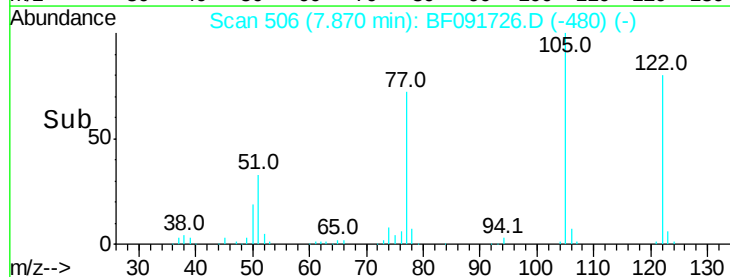
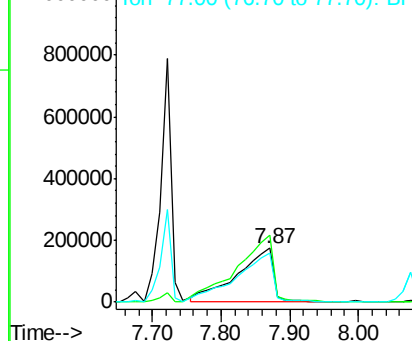
122 100

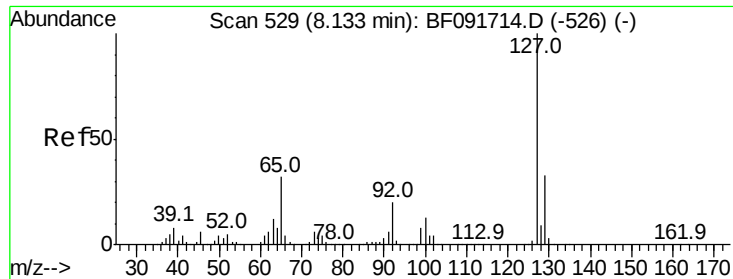
105 125.6 107.2 147.2

77 91.6 74.5 114.5



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





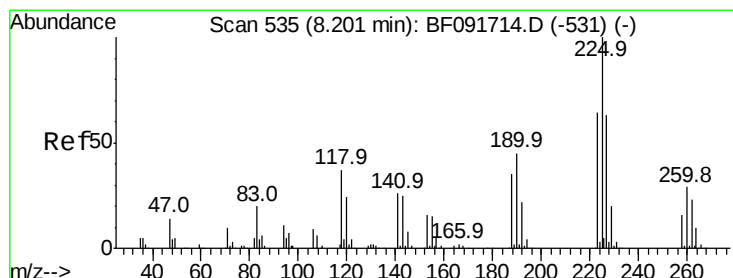
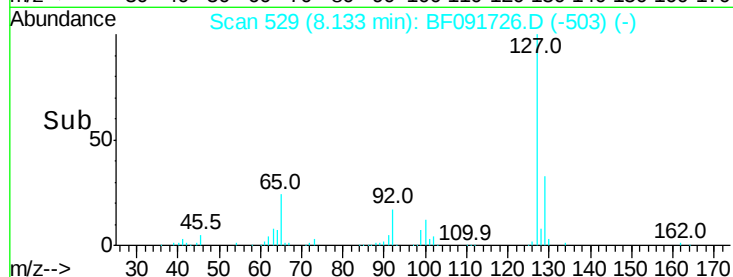
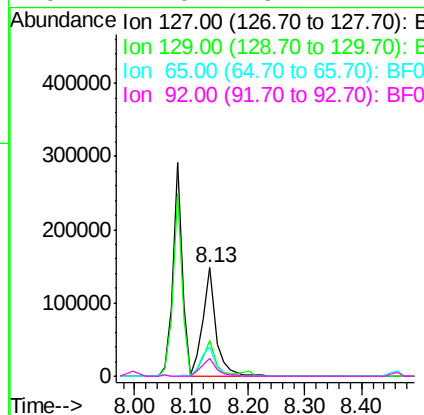
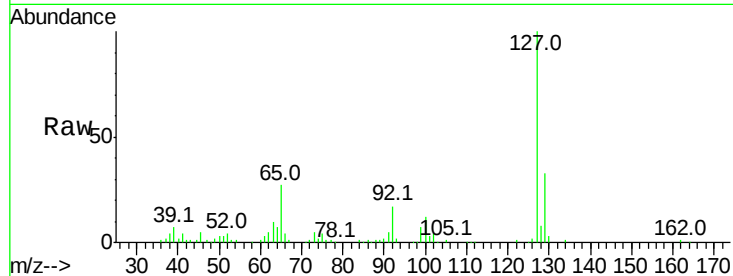
#33
4-Chloroaniline
Concen: 9.15 ng
RT: 8.13 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	33.1	26.3	39.5		
65	26.9	25.8	38.8		
92	17.0	16.1	24.1		

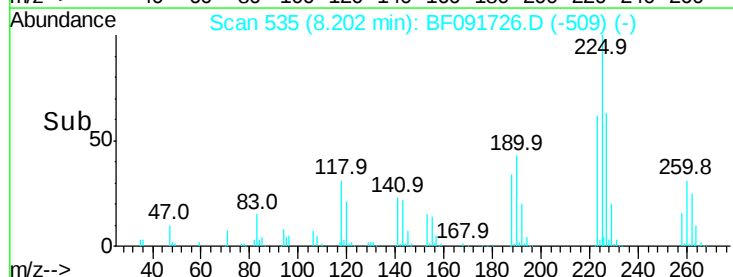
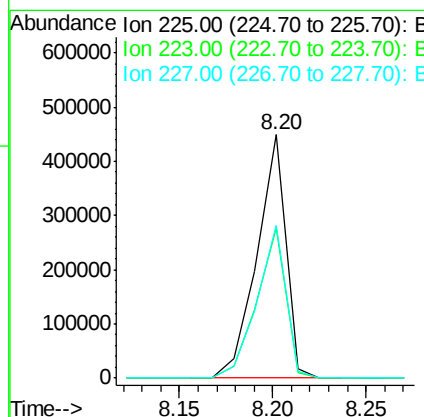
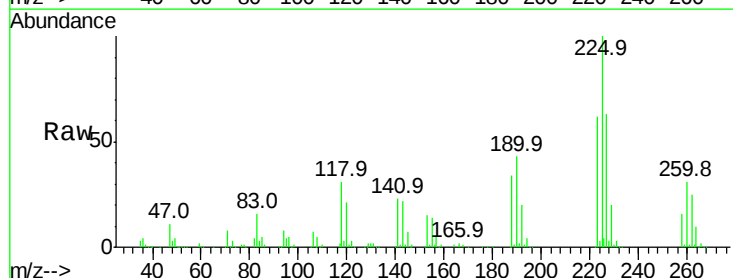
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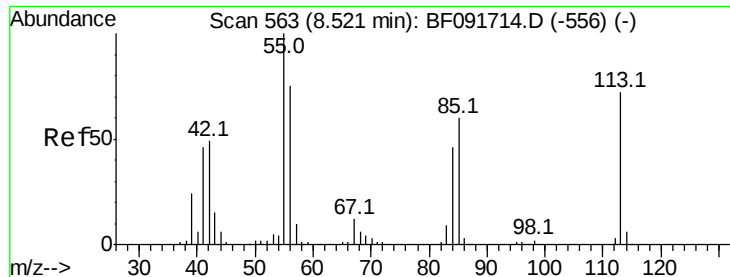
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#34
Hexachlorobutadiene
Concen: 45.76 ng
RT: 8.20 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.7	51.0	76.6		
227	63.0	50.6	76.0		





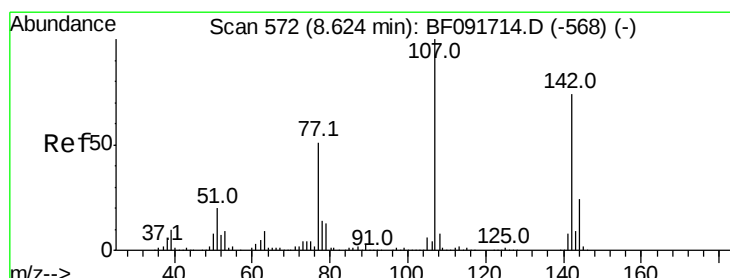
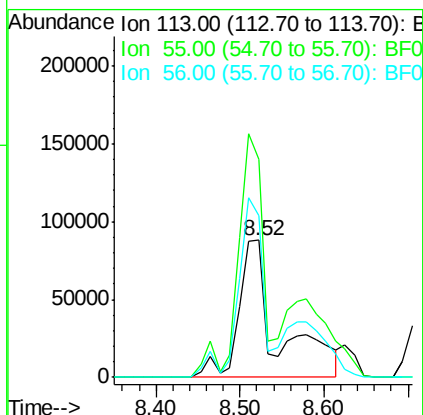
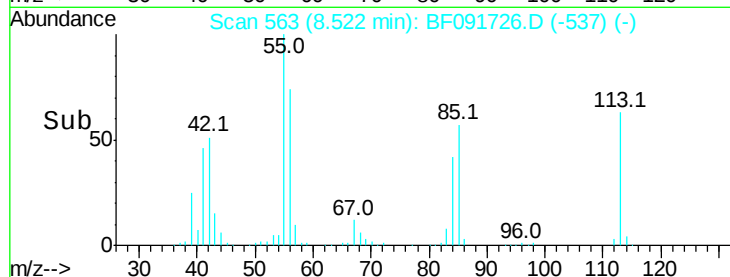
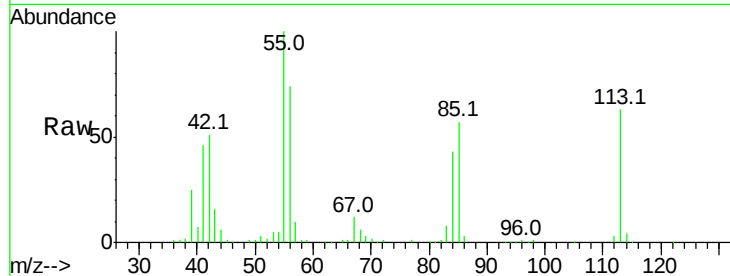
#35
 Caprolactam
 Concen: 51.44 ng/ml
 RT: 8.52 min Scan# 563
 Delta R.T. 0.00 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Instrument :
 BNA_F
 ClientSampleID :
 PB95429BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	159.1		119.2	159.2	
56	118.1		83.8	123.8	

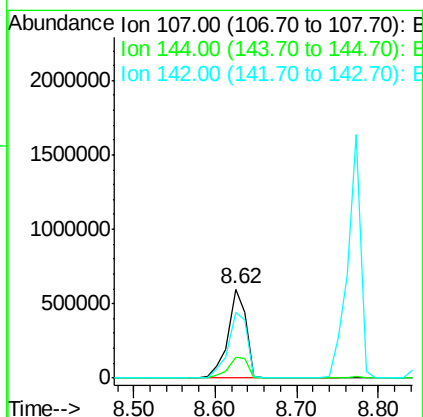
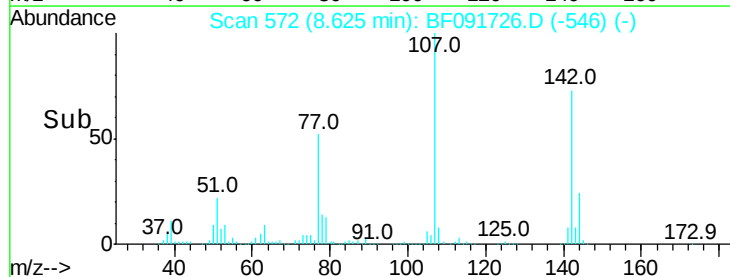
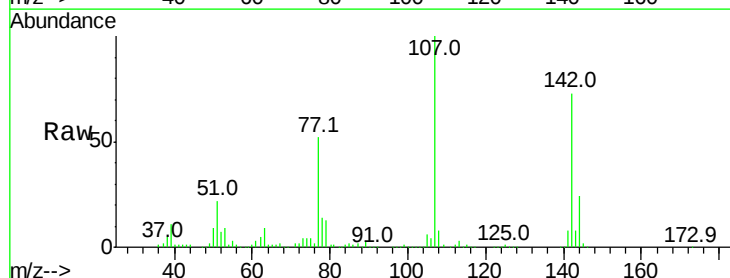
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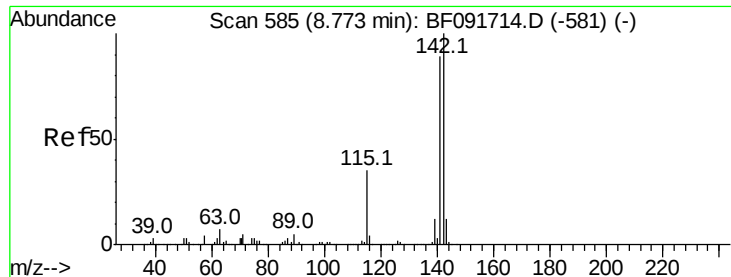
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#36
 4-Chloro-3-methylphenol
 Concen: 48.80 ng
 RT: 8.62 min Scan# 572
 Delta R.T. 0.00 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	23.9		19.3	28.9	
142	73.2		59.0	88.6	





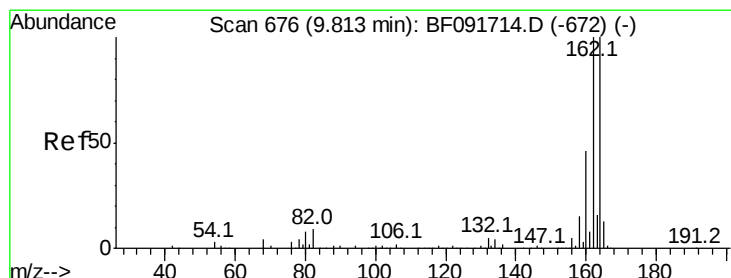
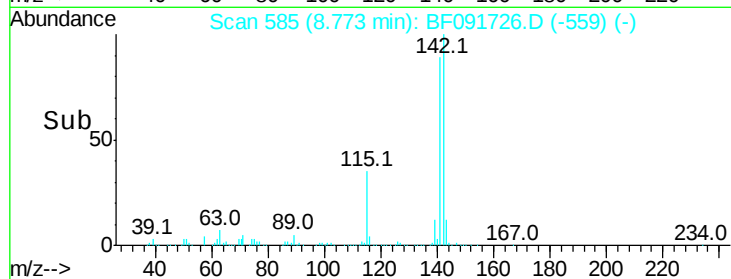
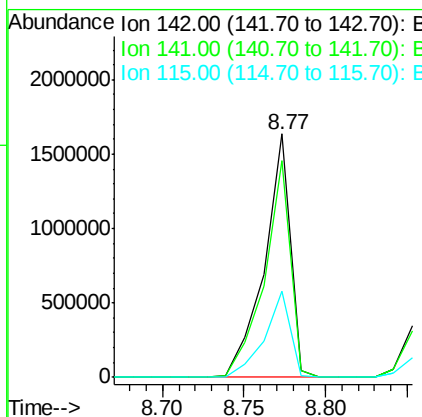
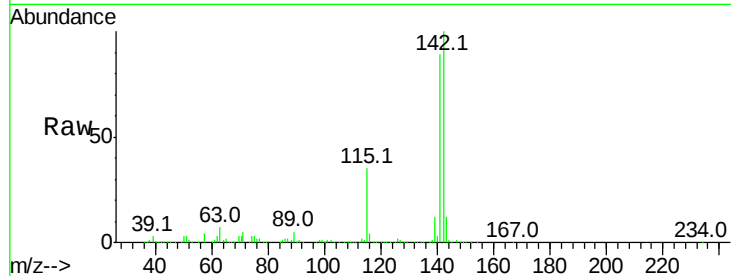
#37
2-Methylnaphthalene
Concen: 47.71 ng
RT: 8.77 min Scan# 585
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.0	106.6
115	35.2	28.3	42.5

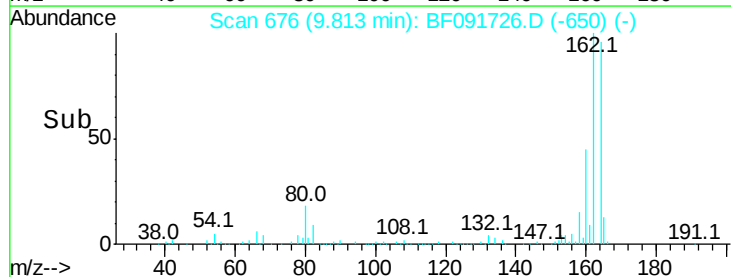
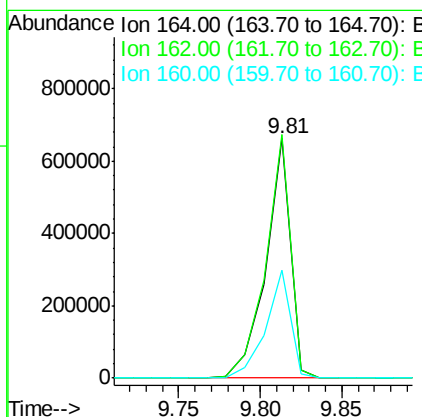
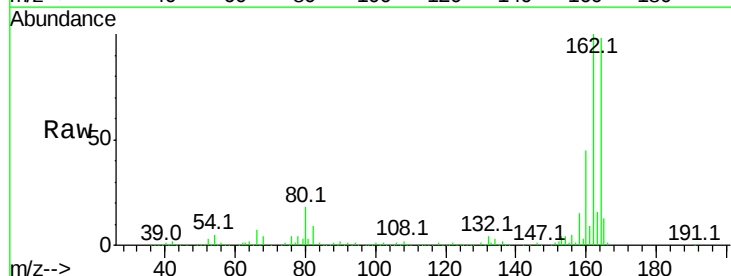
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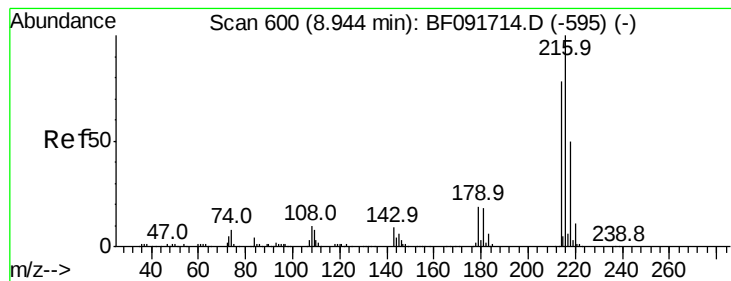
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 676
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.2	120.2
160	45.3	36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.87 ng

RT: 8.94 min Scan# 600

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

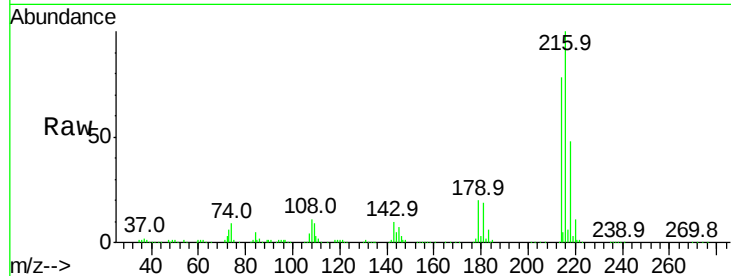
ClientSampleId :

PB95429BS

Tot Ion	Ratio	Resp Lower	Resp Upper
216	100		
214	78.7	63.4	95.0
179	21.9	17.4	26.2
108	21.9	15.6	23.4

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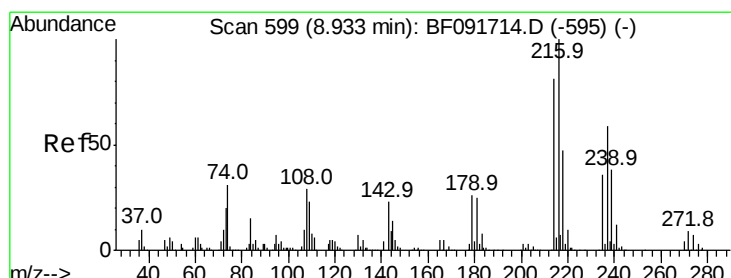
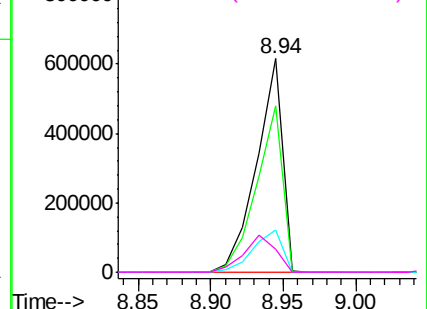
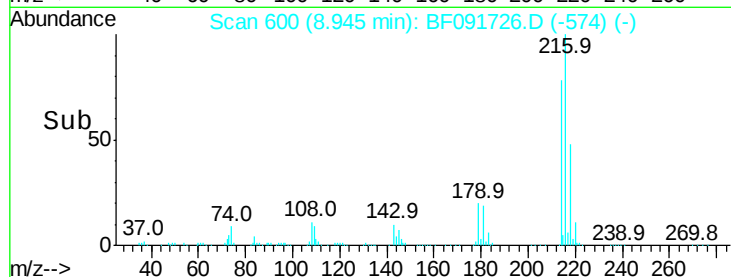


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 116.62 ng

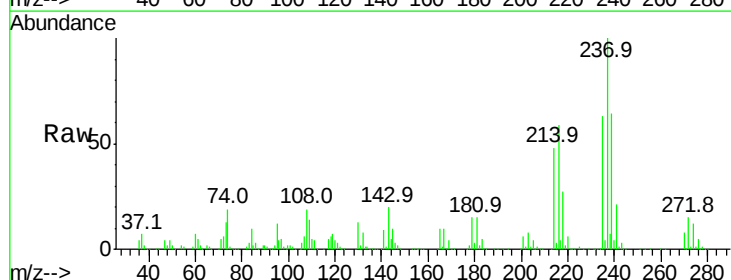
RT: 8.93 min Scan# 599

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

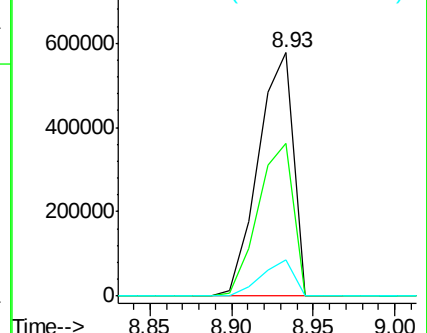
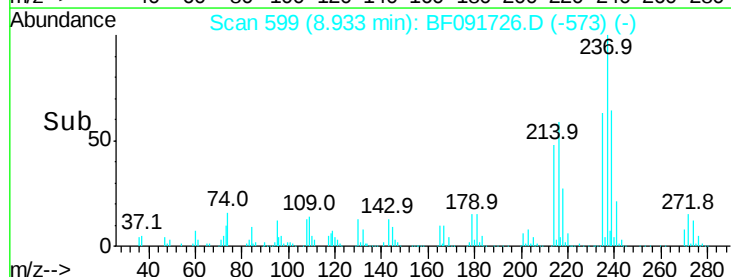
Tgt Ion	Ratio	Resp Lower	Resp Upper
237	100		
235	62.8	41.2	81.2
272	14.8	0.0	35.4

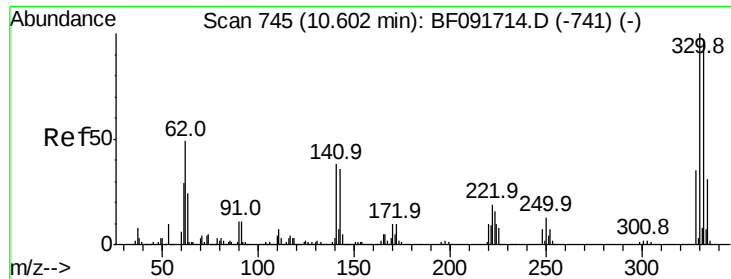


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





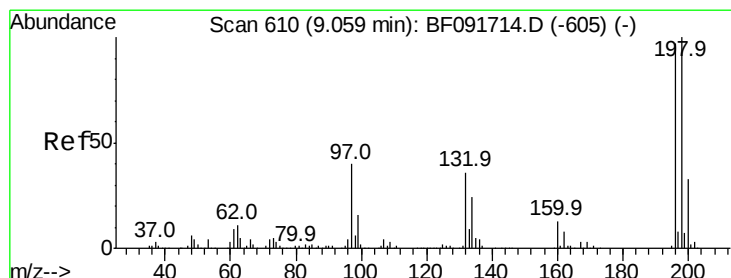
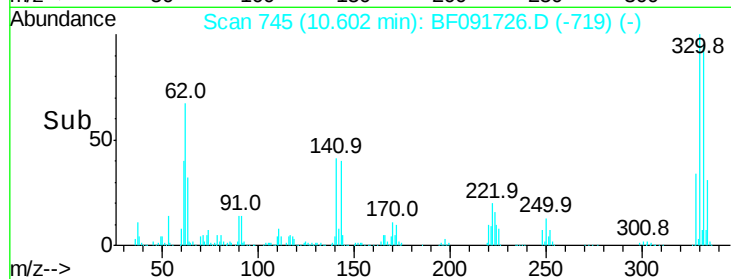
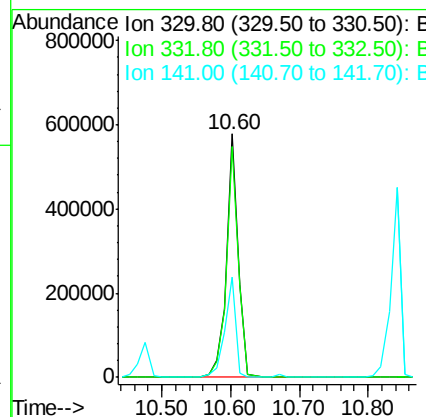
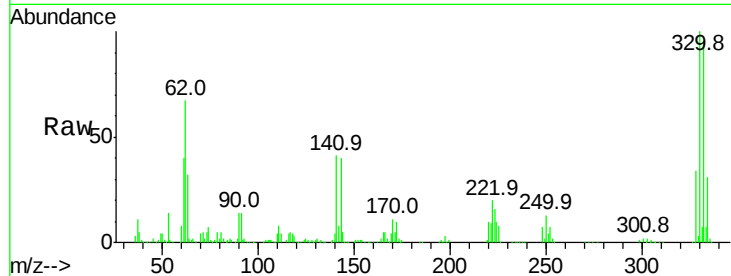
#41
 2,4,6-Tribromophenol
 Concen: 119.37 ng
 RT: 10.60 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Instrument :
 BNA_F
 ClientSampleId :
 PB95429BS

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.4	77.4	116.2
141	37.5	34.1	51.1

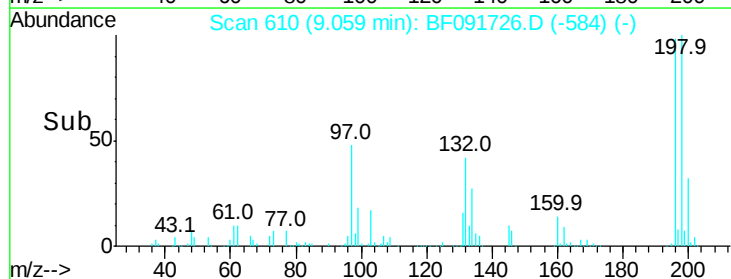
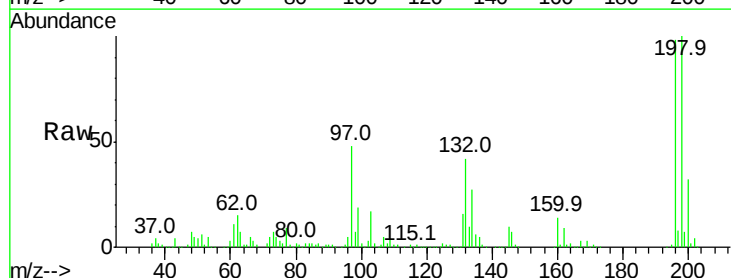
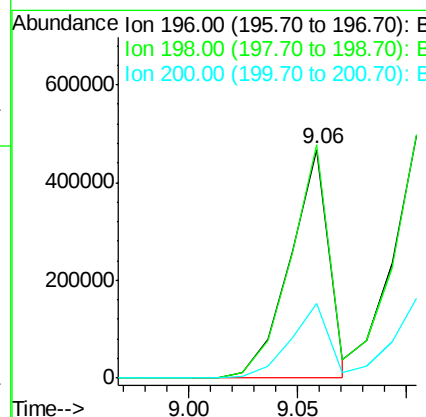
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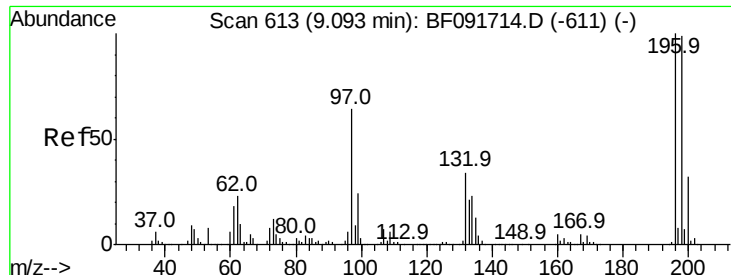
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#42
 2,4,6-Trichlorophenol
 Concen: 47.03 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Resp Lower	Upper
196	100		
198	102.1	82.1	123.1
200	32.8	27.0	40.4





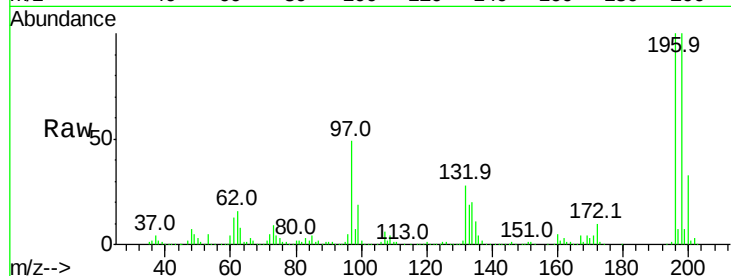
#43
 2,4,5-Trichlorophenol
 Concen: 46.72 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Instrument :
 BNA_F
 ClientSampleId :
 PB95429BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	570185		
198	100.4	79.4	119.2	
97	49.2	51.5	77.3	
132	28.5	27.4	41.2	

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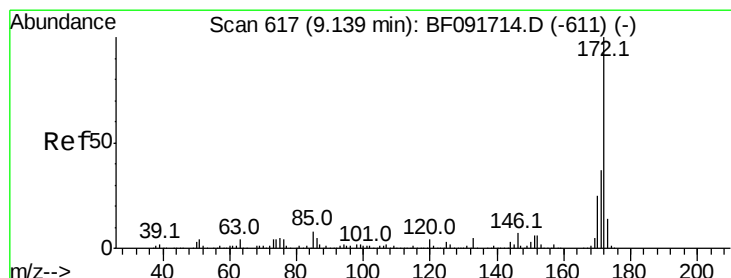
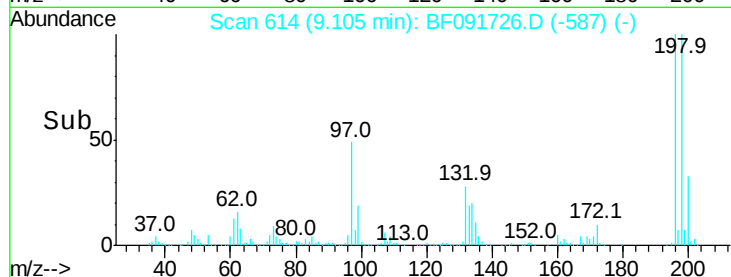
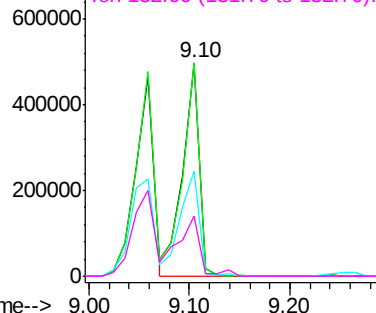
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 90.66 ng
 RT: 9.14 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

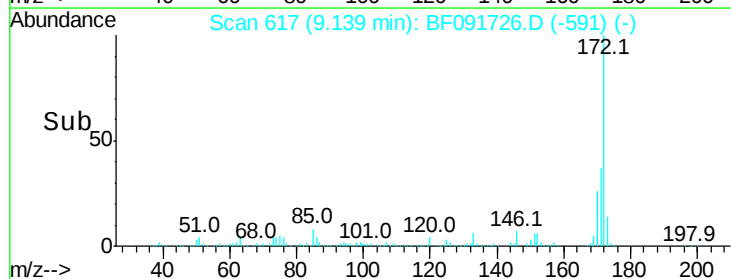
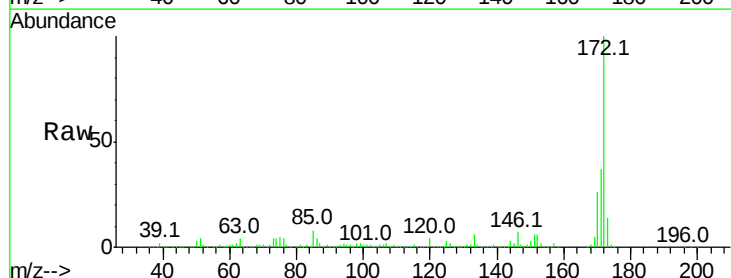
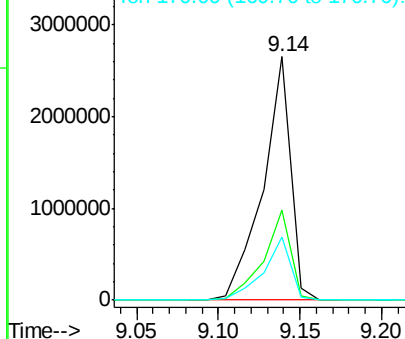
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	3148074		
171	37.1	29.4	44.0	
170	25.8	20.2	30.4	

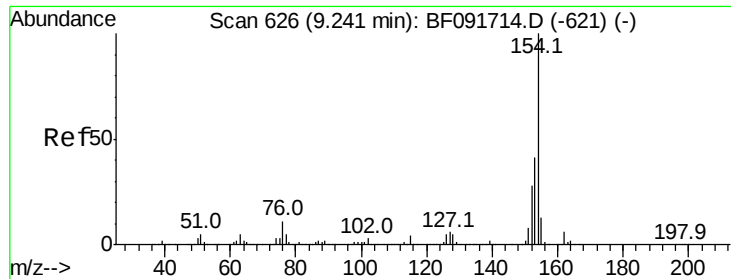
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 45.50 ng

RT: 9.24 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

ClientSampleId :

PB95429BS

Tot Ion:154 Resp: 2274821

Ion Ratio Lower Upper

154 100

153 40.5 20.9 60.9

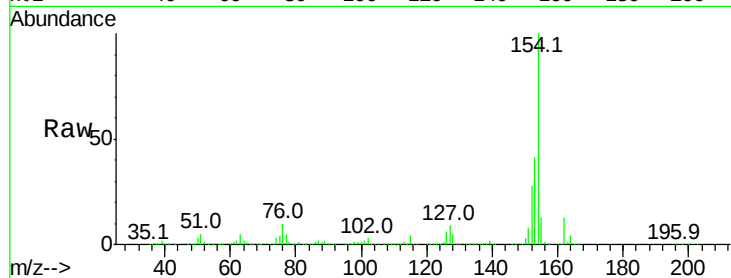
76 9.7 0.0 30.5

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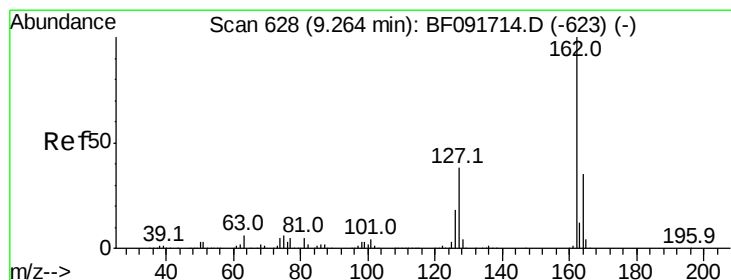
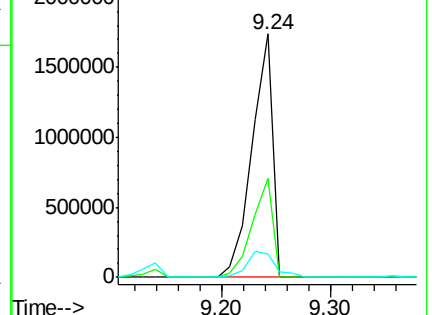
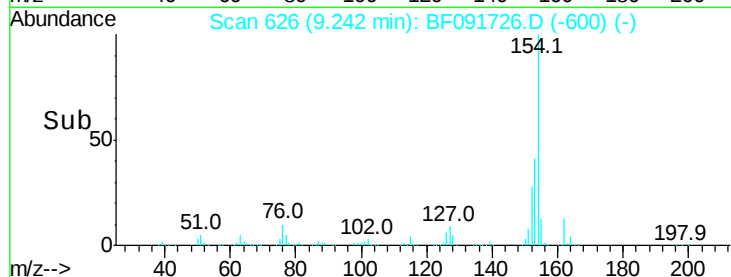
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 45.25 ng

RT: 9.26 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

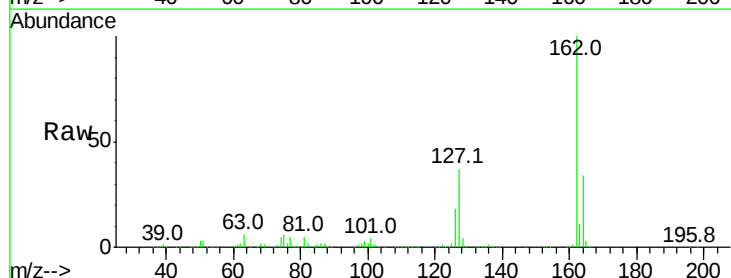
Tgt Ion:162 Resp: 1690598

Ion Ratio Lower Upper

162 100

127 36.7 30.7 46.1

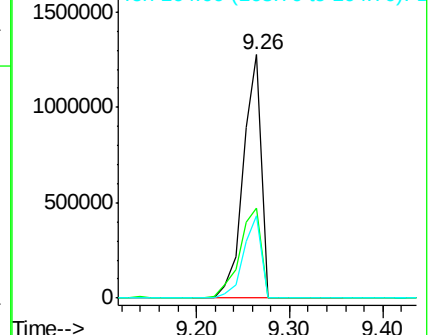
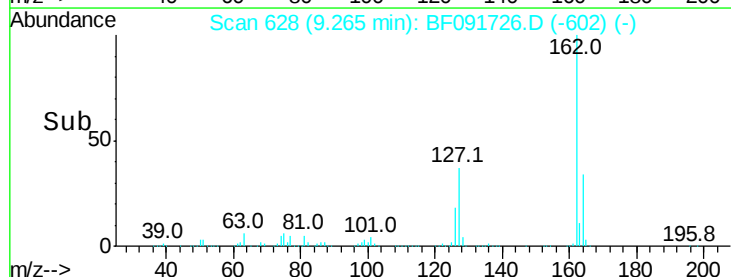
164 33.6 27.6 41.4

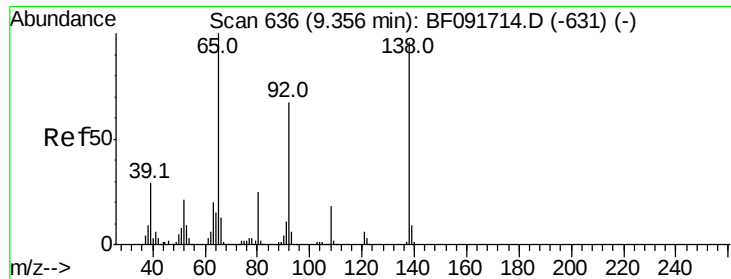


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





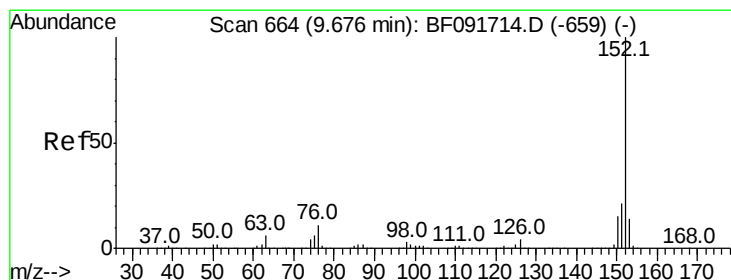
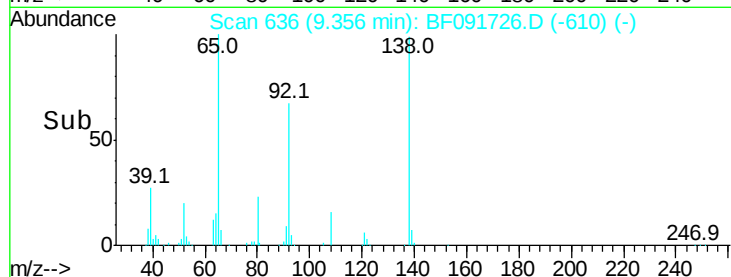
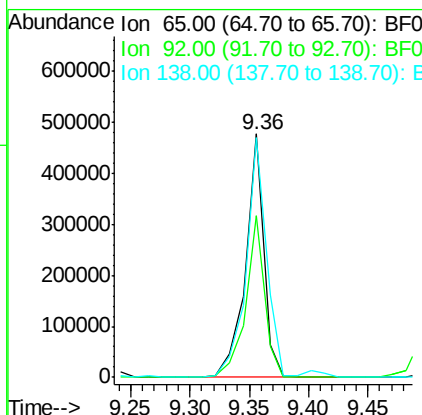
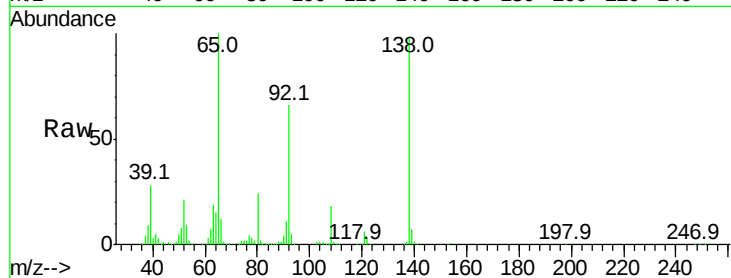
#47
2-Nitroaniline
Concen: 40.57 ng
RT: 9.36 min Scan# 636
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

Tot Ion	Ratio	Lower	Upper
65	100		
92	66.5	53.9	80.9
138	98.3	76.8	115.2

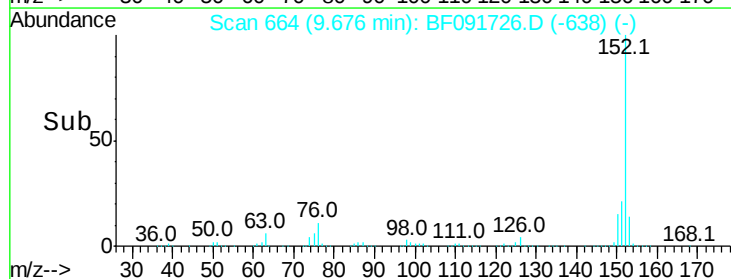
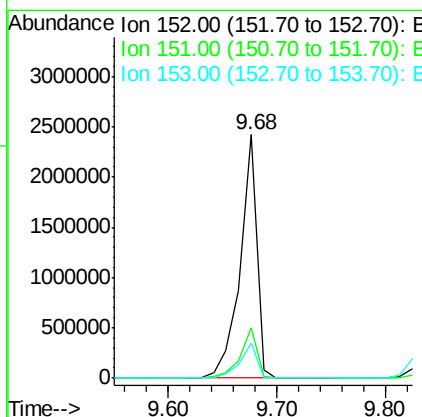
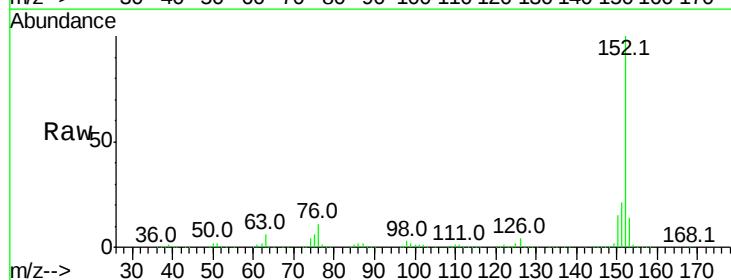
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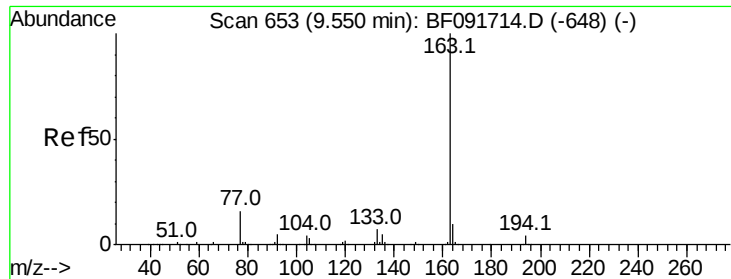
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#48
Acenaphthylene
Concen: 43.96 ng
RT: 9.68 min Scan# 664
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.9	25.3
153	14.4	11.4	17.2





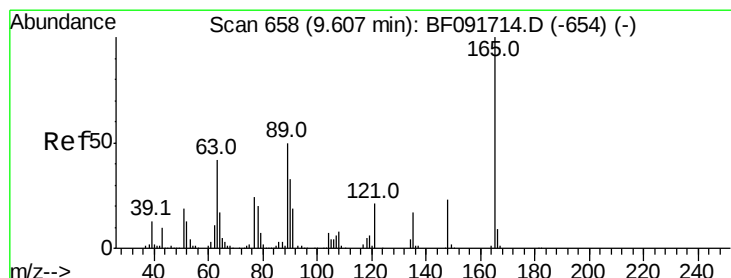
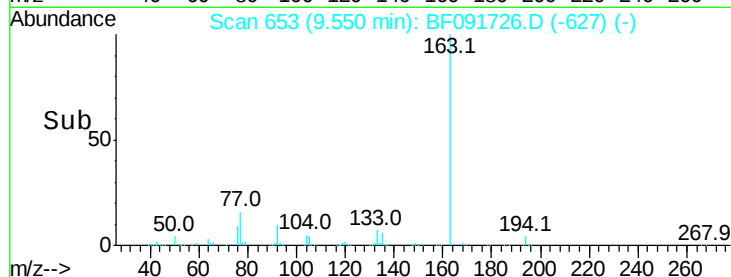
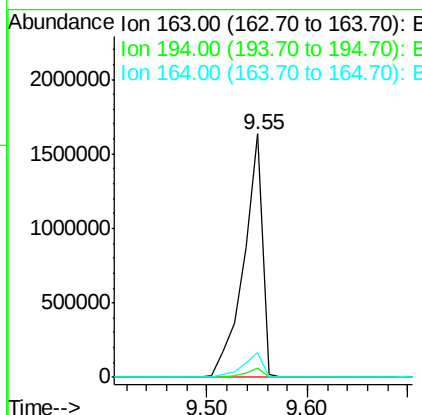
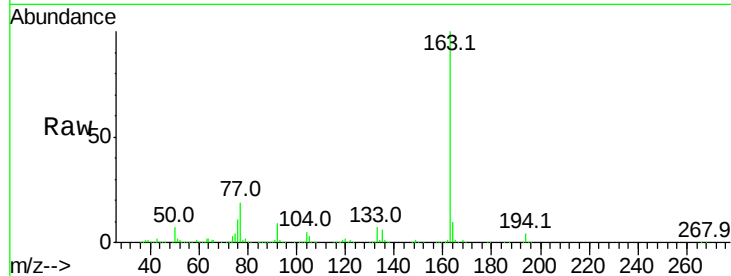
#49
Dimethylphthalate
Concen: 46.32 ng
RT: 9.55 min Scan# 653
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	10.3	8.0	12.0

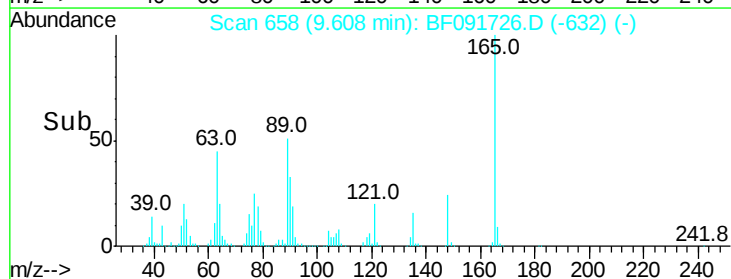
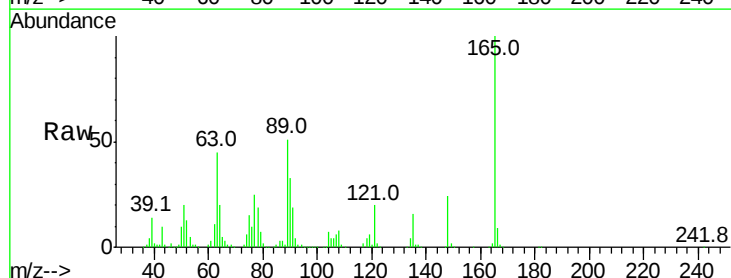
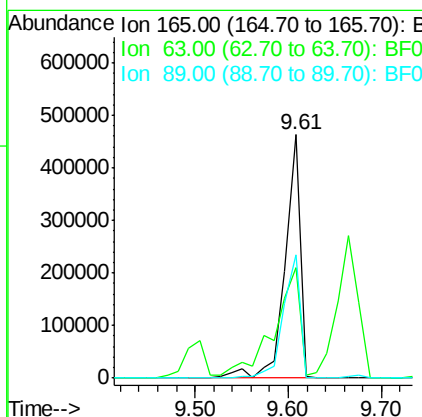
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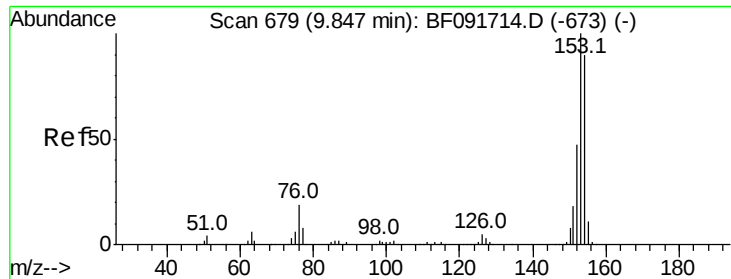
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#50
2,6-Dinitrotoluene
Concen: 51.84 ng
RT: 9.61 min Scan# 658
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	45.2	36.2	54.4
89	50.6	40.2	60.4





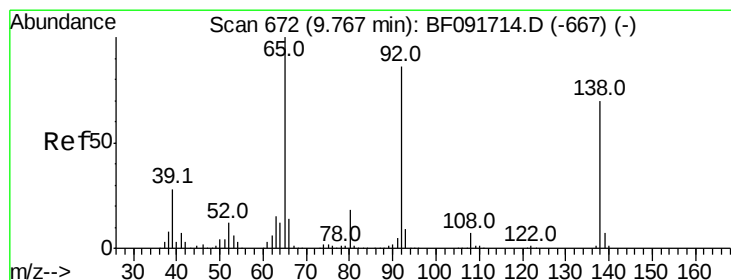
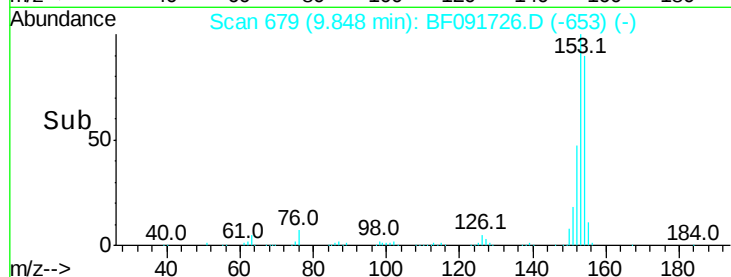
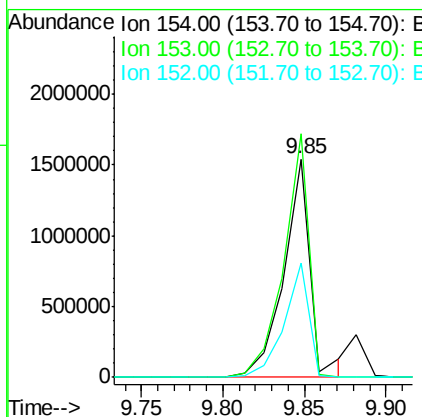
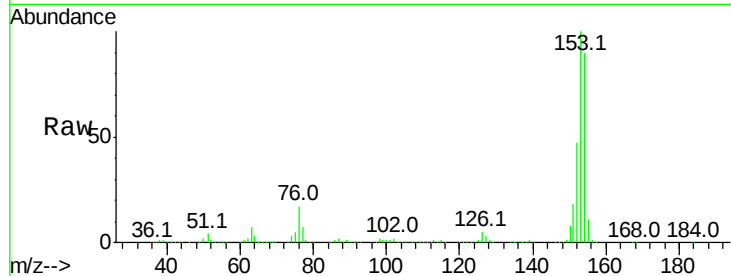
#51
Acenaphthene
Concen: 43.86 ng
RT: 9.85 min Scan# 679
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

Tot Ion:154 Resp: 1742606
Ion Ratio Lower Upper
154 100
153 111.5 88.6 133.0
152 52.4 41.6 62.4

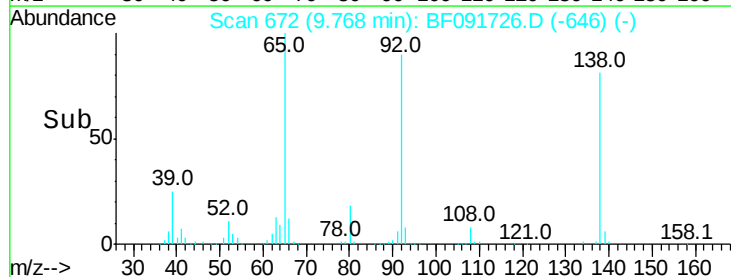
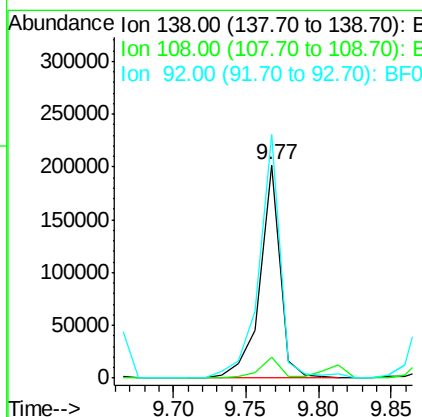
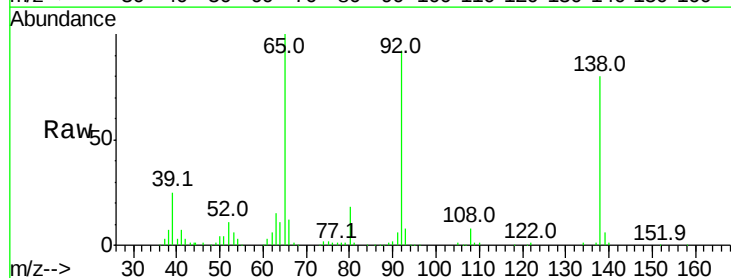
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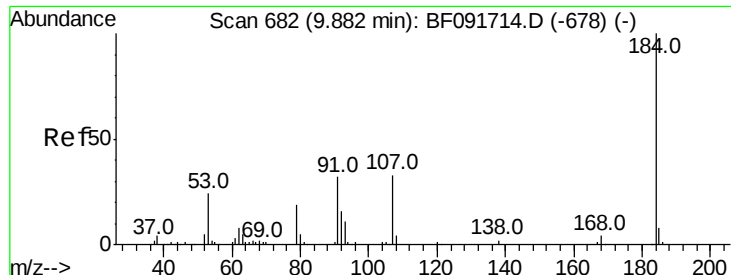
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#52
3-Nitroaniline
Concen: 15.69 ng
RT: 9.77 min Scan# 672
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion:138 Resp: 195192
Ion Ratio Lower Upper
138 100
108 10.1 8.5 12.7
92 114.3 97.8 146.8





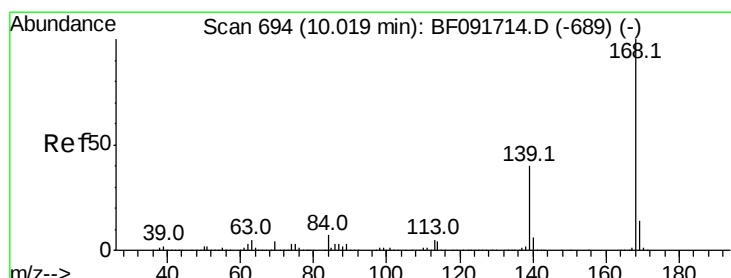
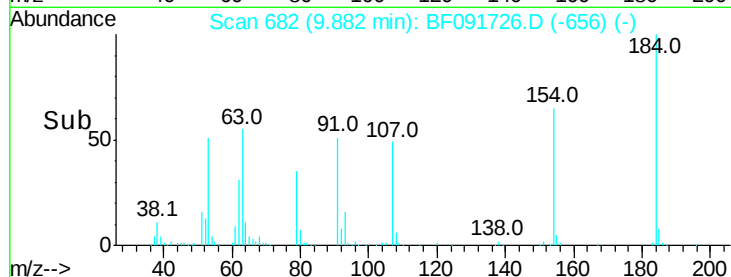
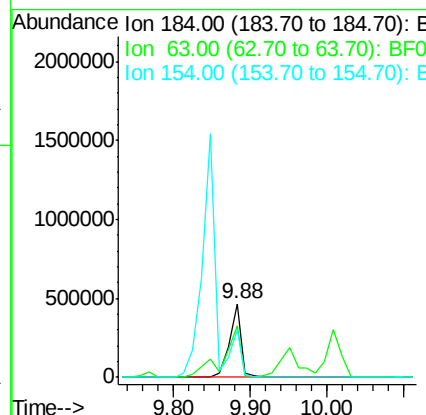
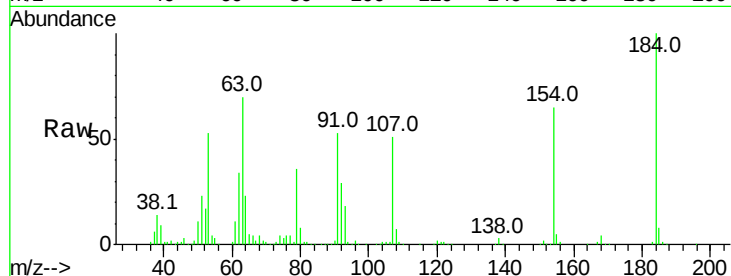
#53
 2,4-Dinitrophenol
 Concen: 95.78 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.00 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Instrument :
 BNA_F
 ClientSampleId :
 PB95429BS

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
63	70.4	28.4	42.6	#
154	65.3	44.3	66.5	

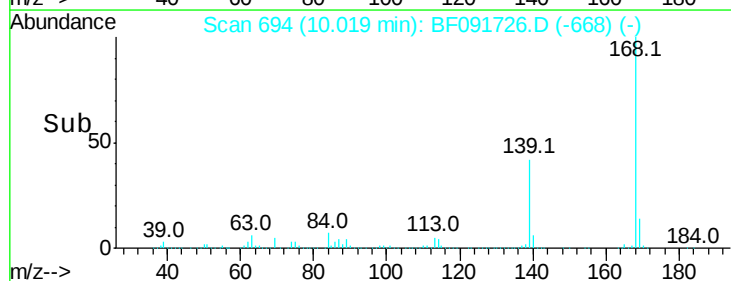
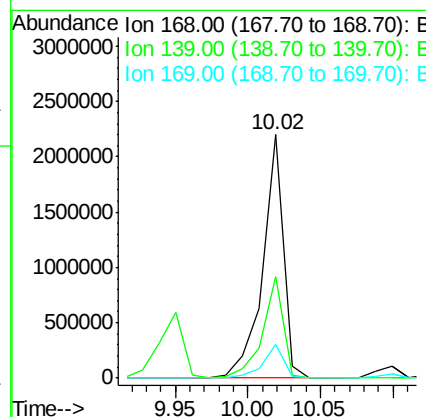
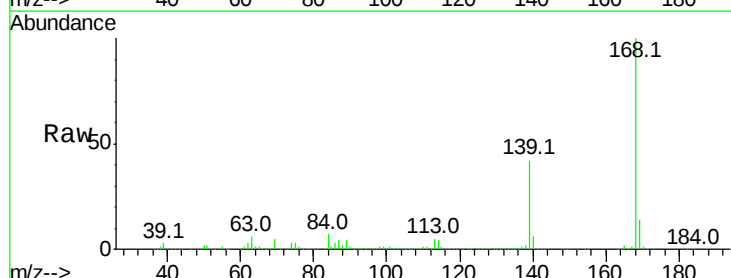
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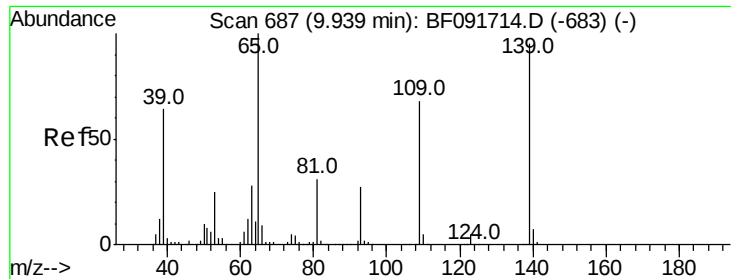
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#54
 Dibenzofuran
 Concen: 45.96 ng
 RT: 10.02 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	41.8	32.6	49.0	
169	14.0	11.3	16.9	





#55

4-Nitrophenol

Concen: 81.79 ng

RT: 9.95 min Scan# 688

Delta R.T. 0.01 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

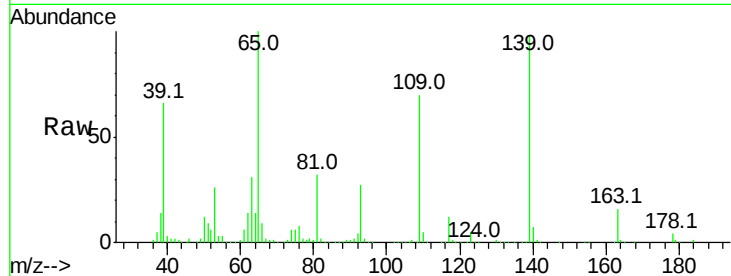
ClientSampleId :

PB95429BS

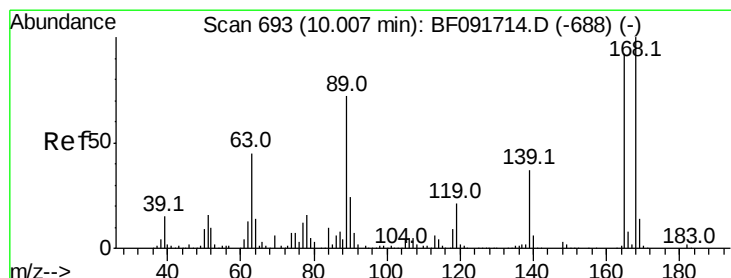
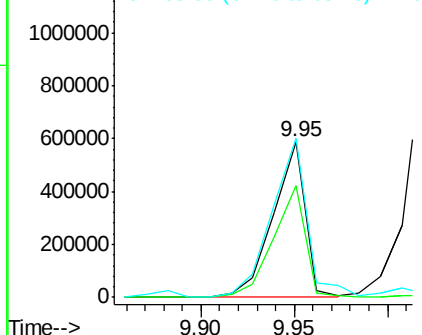
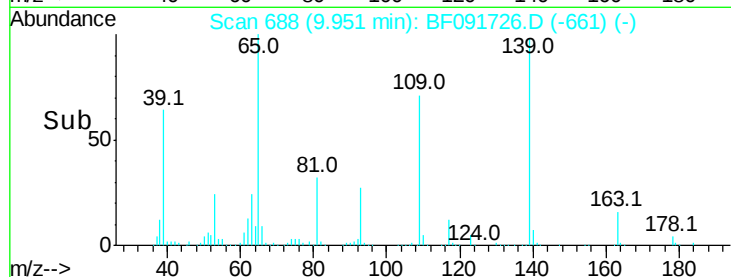
Tot Ion:	139	Resp:	706568
Ion Ratio	Lower	Upper	
139	100		
109	71.9	52.2	92.2
65	102.2	85.8	125.8

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



#56

2,4-Dinitrotoluene

Concen: 42.53 ng

RT: 10.01 min Scan# 693

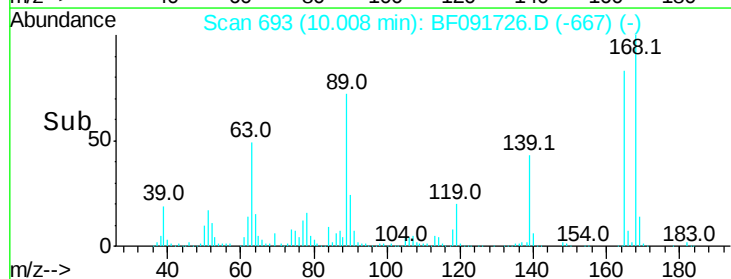
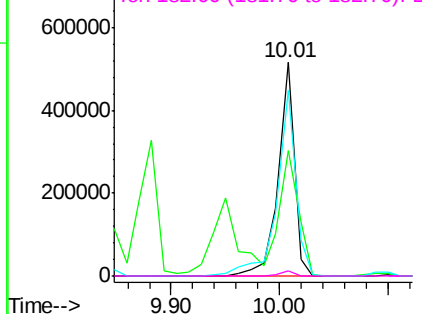
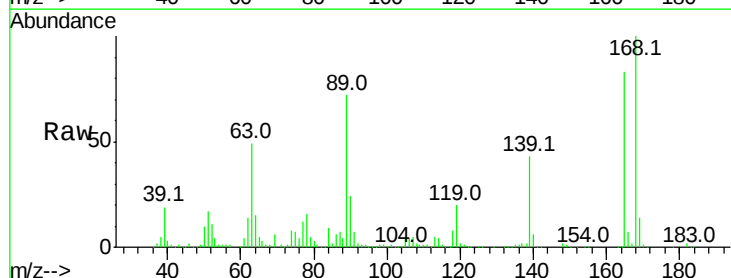
Delta R.T. 0.00 min

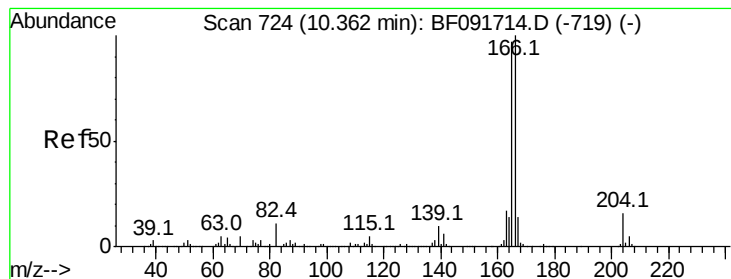
Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Tgt Ion:	165	Resp:	530783
Ion Ratio	Lower	Upper	
165	100		
63	58.8	40.2	60.4
89	86.9	62.5	93.7
182	2.3	1.8	2.8

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
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 47.69 ng

RT: 10.36 min Scan# 724

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

ClientSampleId :

PB95429BS

Tot Ion:166 Resp: 1750256

Ion Ratio Lower Upper

166 100

165 97.8 77.8 116.8

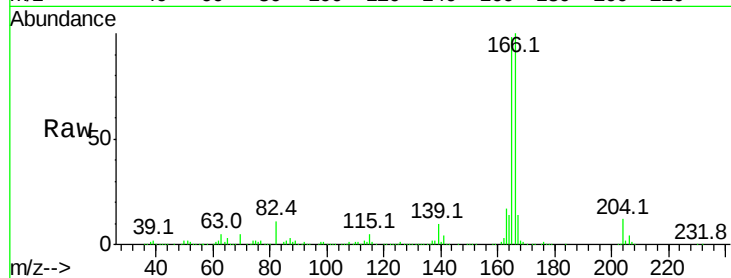
167 13.6 10.8 16.2

Manual Integrations

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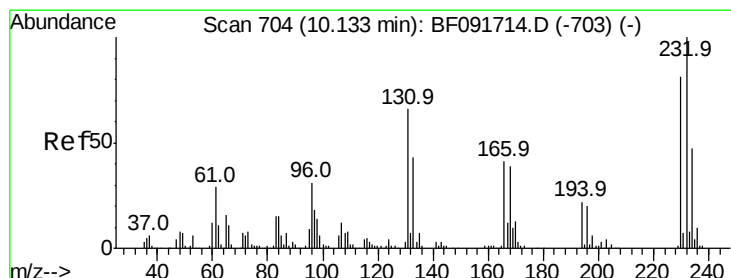
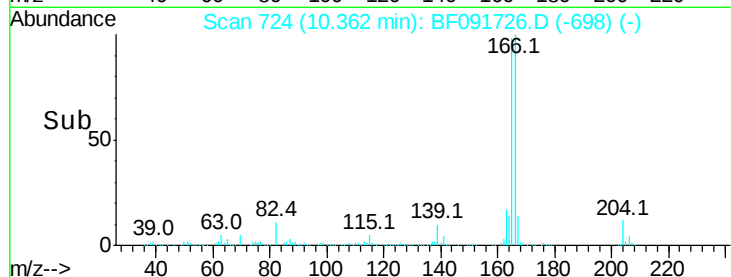
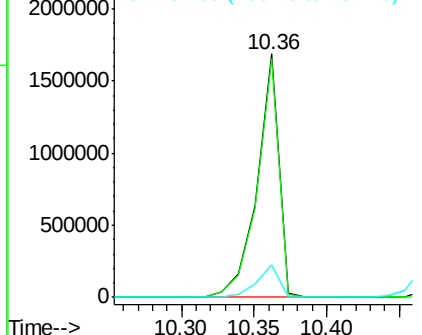
12/20/2016 11:40:51 AM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 44.73 ng

RT: 10.14 min Scan# 705

Delta R.T. 0.01 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Tgt Ion:232 Resp: 451403

Ion Ratio Lower Upper

232 100

131 49.3 40.1 60.1

130 2.3 1.8 2.8

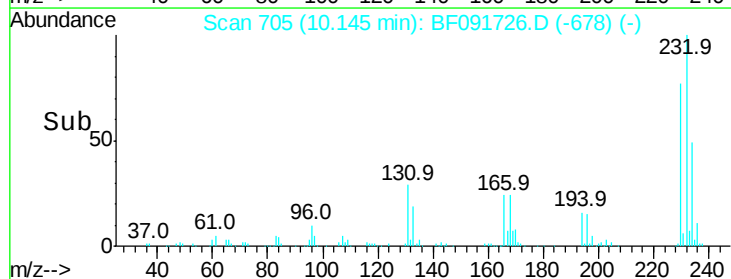
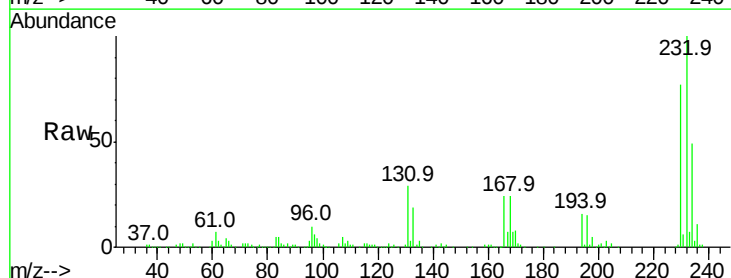
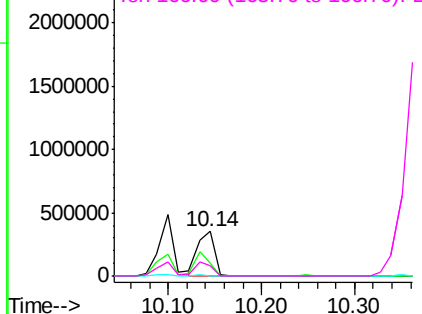
166 33.0 26.6 39.8

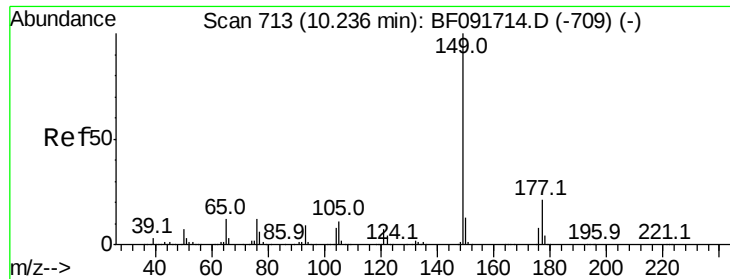
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





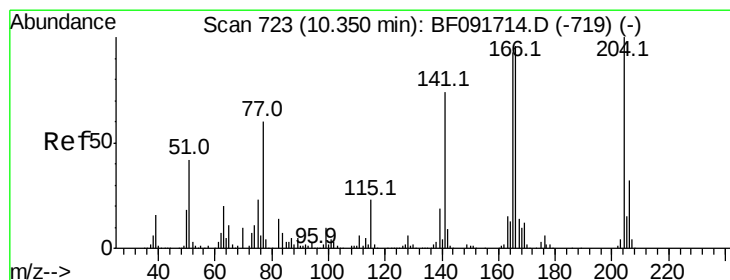
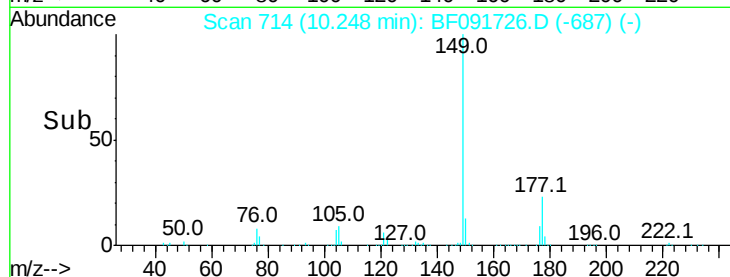
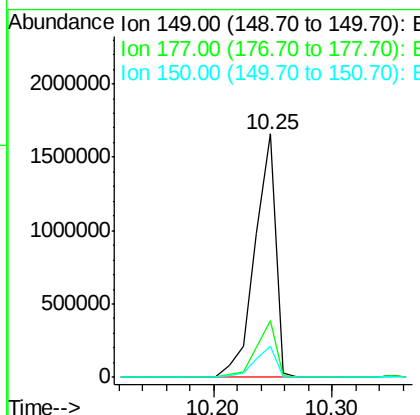
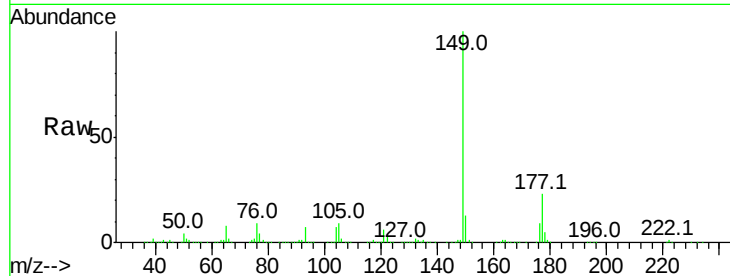
#59
Diethylphthalate
Concen: 45.43 ng
RT: 10.25 min Scan# 714
Delta R.T. 0.01 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

Tot Ion:149 Resp: 2034740
Ion Ratio Lower Upper
149 100
177 23.4 16.6 25.0
150 12.5 10.4 15.6

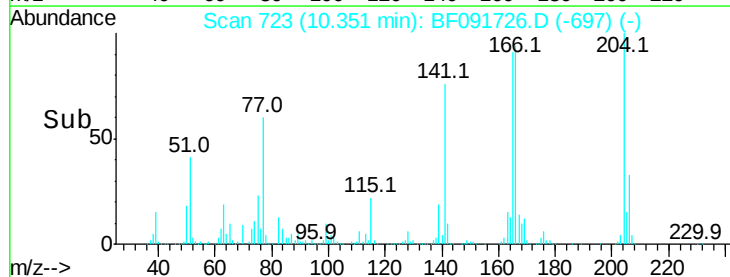
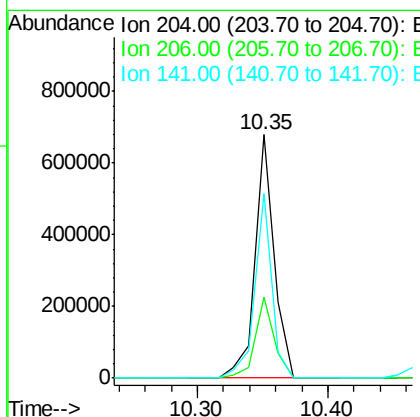
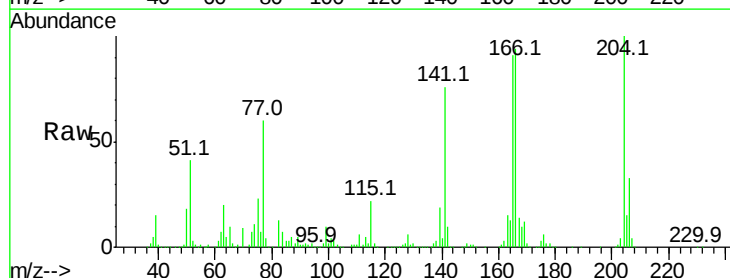
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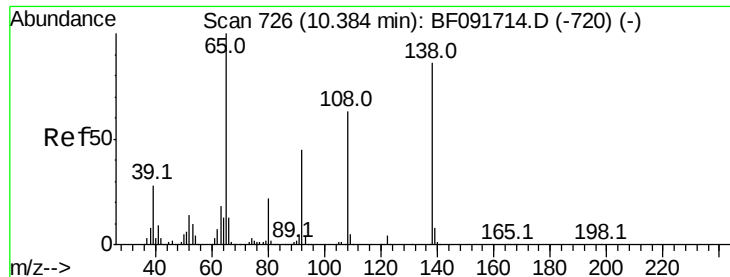
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#60
4-Chlorophenyl-phenylether
Concen: 41.49 ng
RT: 10.35 min Scan# 723
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion:204 Resp: 693667
Ion Ratio Lower Upper
204 100
206 33.4 25.8 38.6
141 75.8 59.4 89.0





#61

4-Nitroaniline

Concen: 39.32 ng

RT: 10.38 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

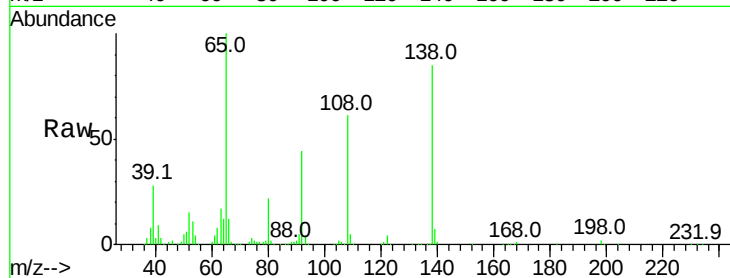
ClientSampleId :

PB95429BS

Tot Ion	Ratio	Lower	Upper
138	100		
92	51.9	31.7	71.7
108	72.1	52.6	92.6

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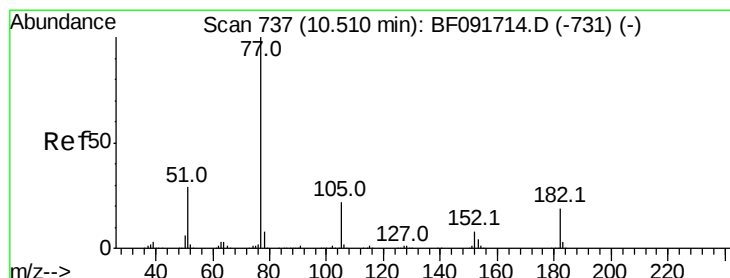
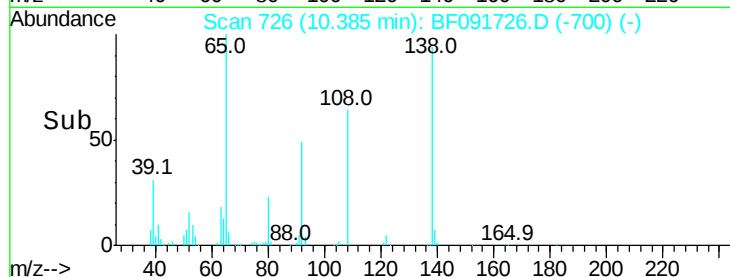
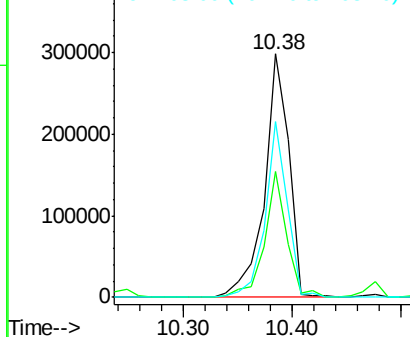


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 43.33 ng

RT: 10.51 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Lower	Upper
77	100		
182	19.7	0.0	39.3
105	22.9	2.3	42.3
51	29.7	8.9	48.9

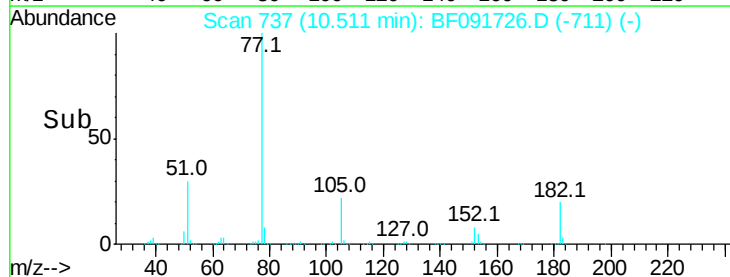
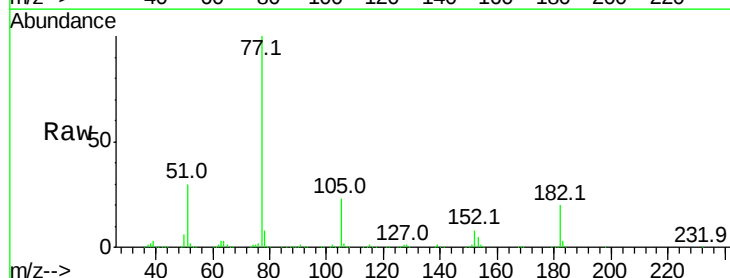
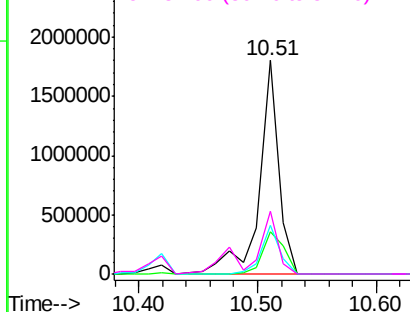
Abundance

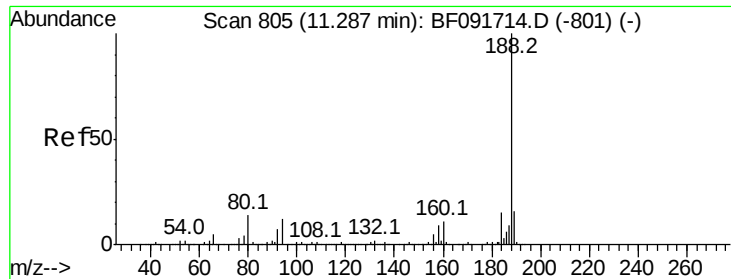
Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





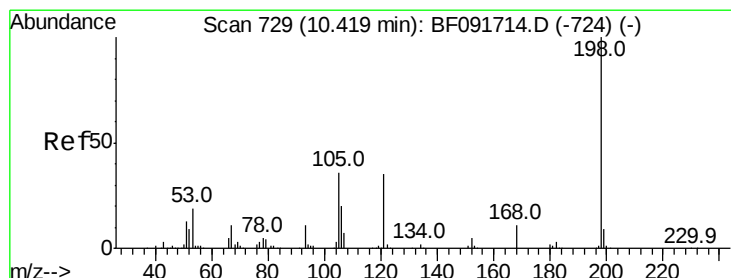
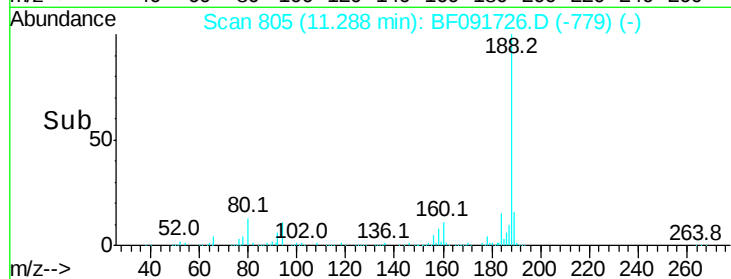
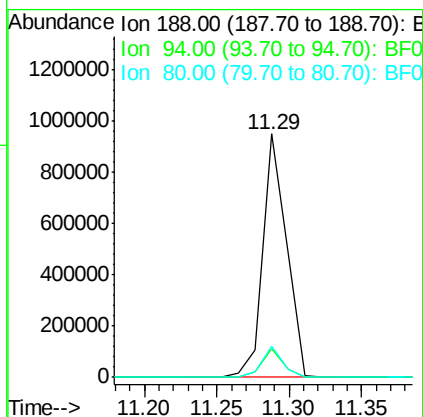
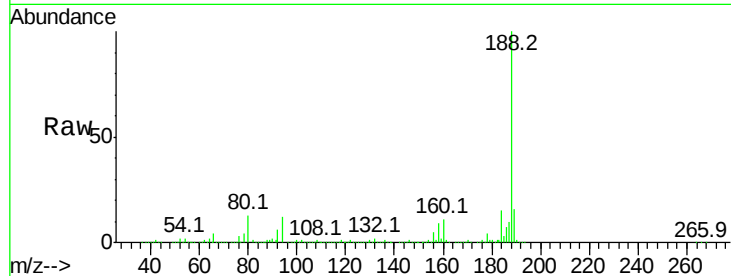
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

Tot Ion:188 Resp: 1073278
Ion Ratio Lower Upper
188 100
94 11.8 10.0 15.0
80 12.9 11.2 16.8

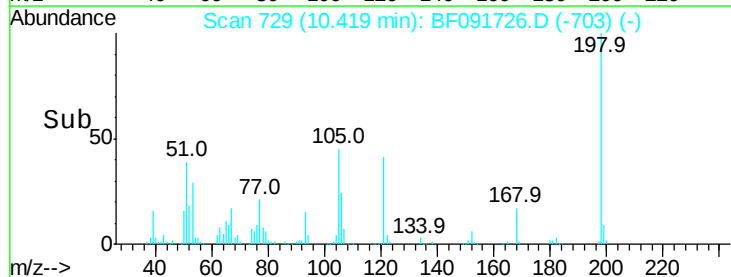
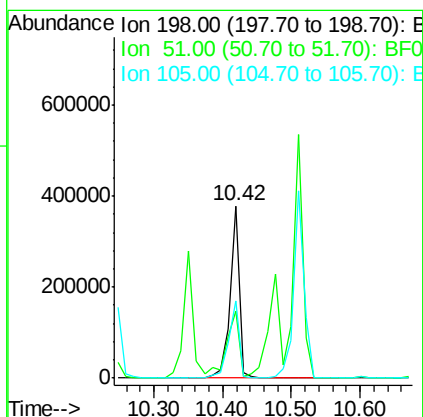
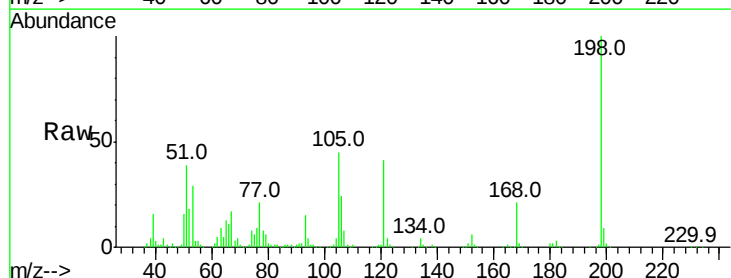
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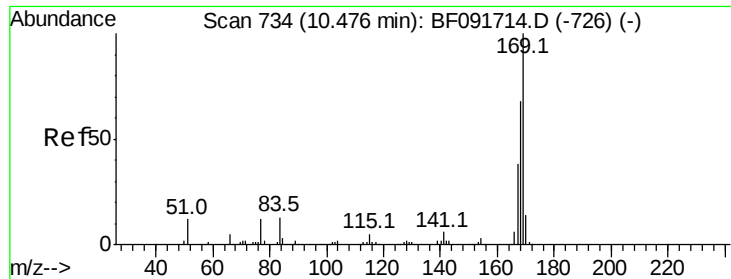
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#64
4,6-Dinitro-2-methylphenol
Concen: 51.98 ng
RT: 10.42 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion:198 Resp: 367954
Ion Ratio Lower Upper
198 100
51 39.3 6.7 46.7
105 44.9 16.6 56.6





#65

n-Nitrosodiphenylamine

Concen: 47.06 ng

RT: 10.48 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

ClientSampleId :

PB95429BS

Tot Ion:169 Resp: 1568292

Ion Ratio Lower Upper

169 100

168 66.9 54.2 81.2

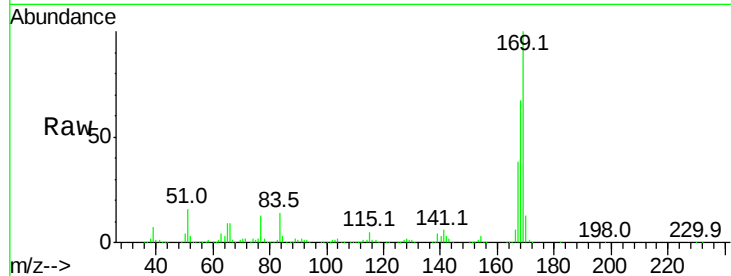
167 37.8 30.2 45.4

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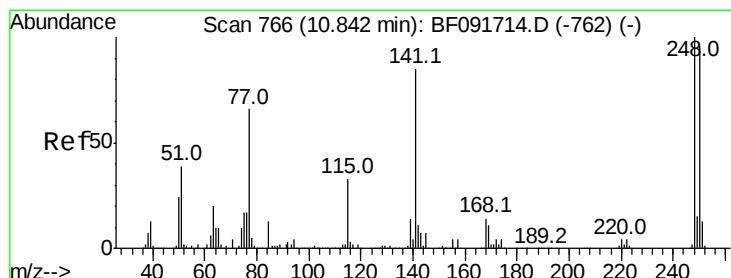
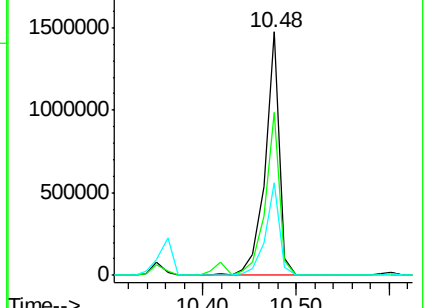
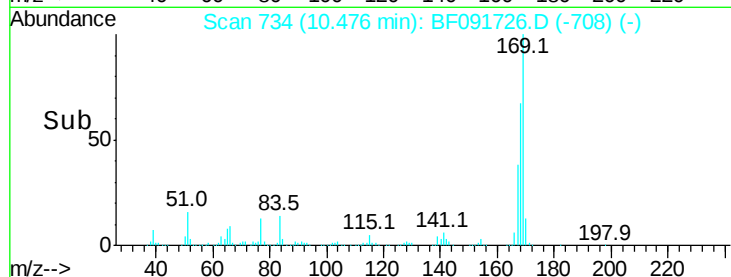
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 46.89 ng

RT: 10.84 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

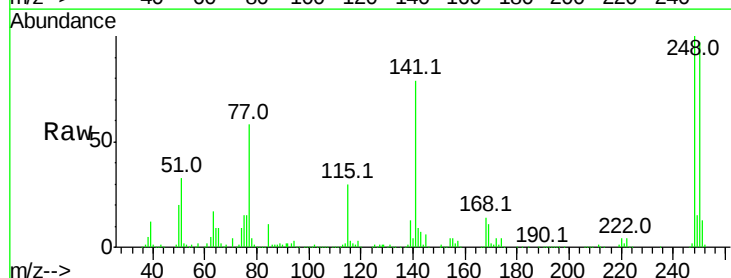
Tgt Ion:248 Resp: 527687

Ion Ratio Lower Upper

248 100

250 96.7 76.9 115.3

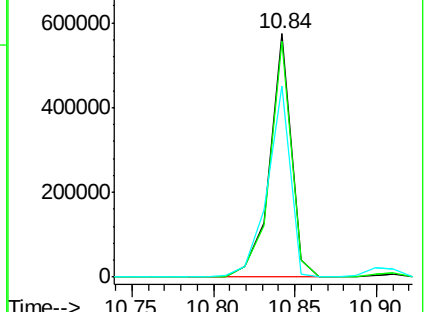
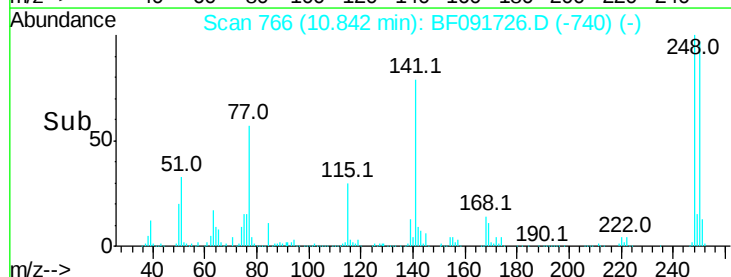
141 78.6 68.2 102.4

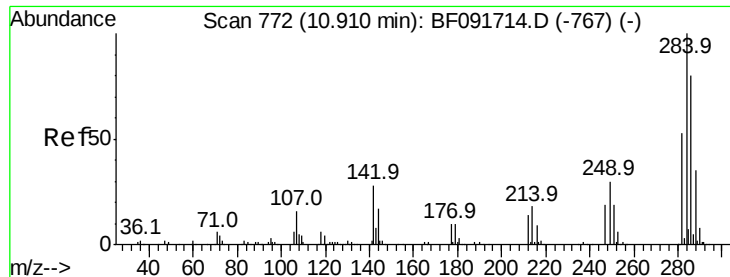


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





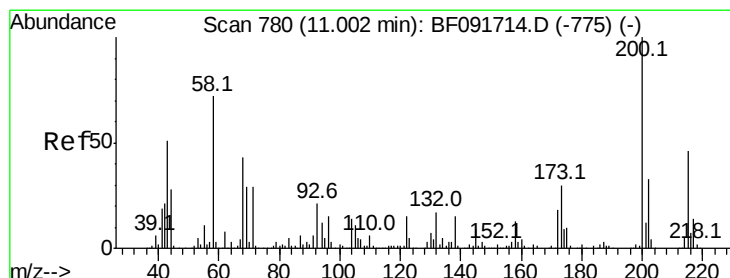
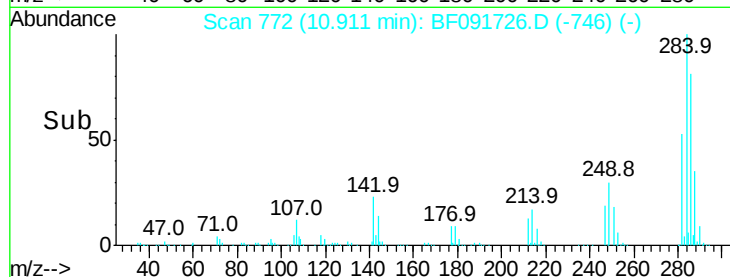
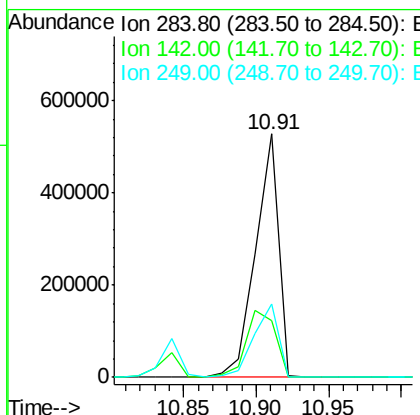
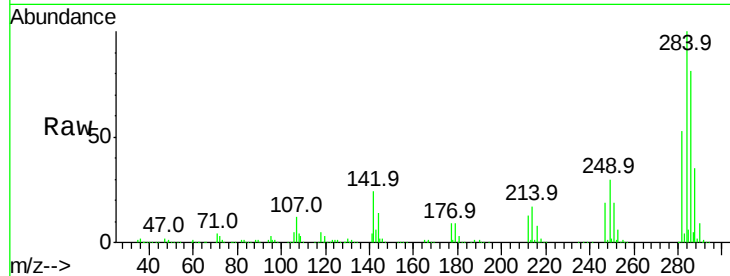
#67
Hexachlorobenzene
Concen: 49.28 ng
RT: 10.91 min Scan# 772
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

Tot Ion	Ratio	Resp Lower	Upper
284	100		
142	23.5	22.6	33.8
249	30.3	25.4	38.0

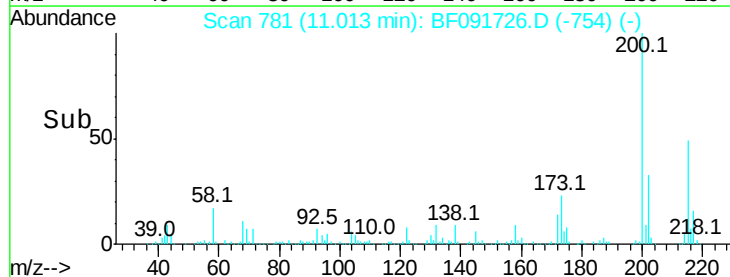
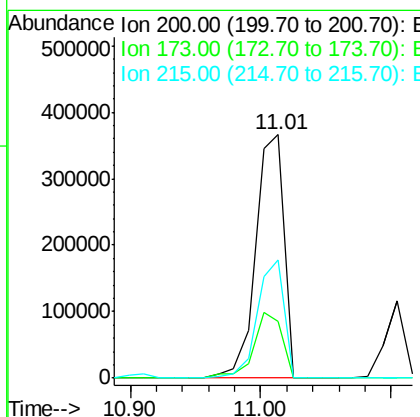
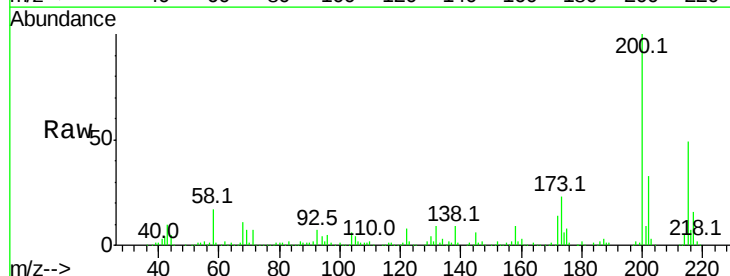
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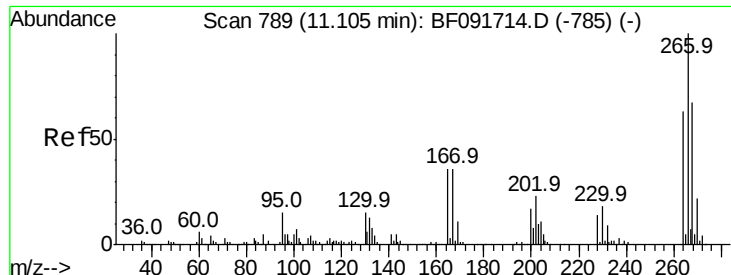
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#68
Atrazine
Concen: 54.90 ng
RT: 11.01 min Scan# 781
Delta R.T. 0.01 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Resp Lower	Upper
200	100		
173	23.3	9.6	49.6
215	48.6	25.7	65.7





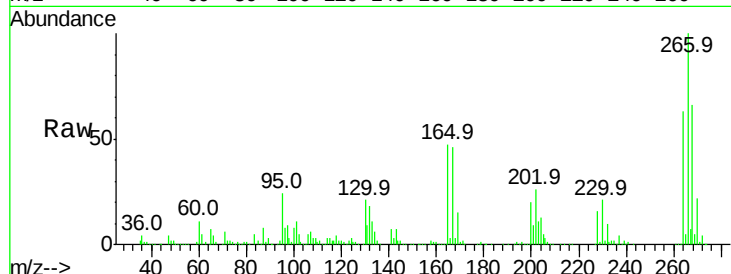
#69
 Pentachlorophenol
 Concen: 92.97 ng
 RT: 11.10 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Instrument :
 BNA_F
 ClientSampleId :
 PB95429BS

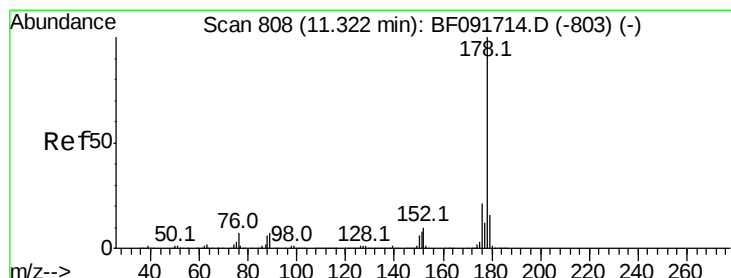
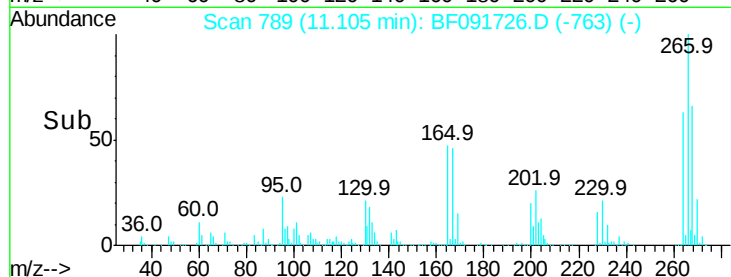
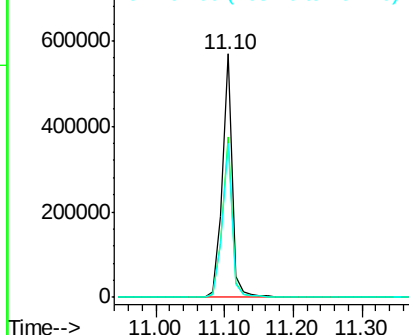
Tot Ion	Ratio	Resp	Lower	Upper
266	100	591671		
268	65.7		53.3	79.9
264	63.3		50.3	75.5

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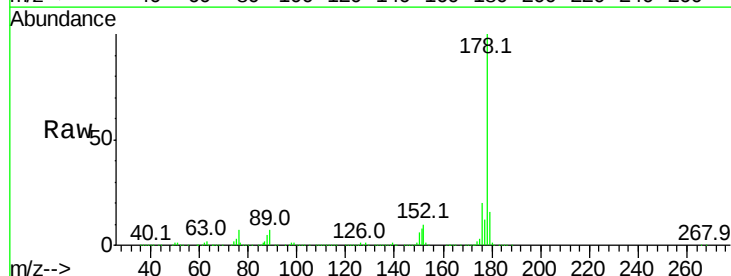


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

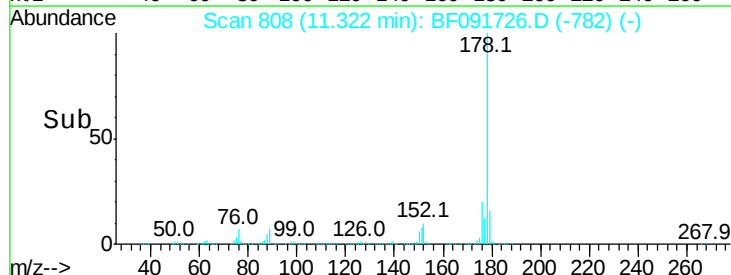
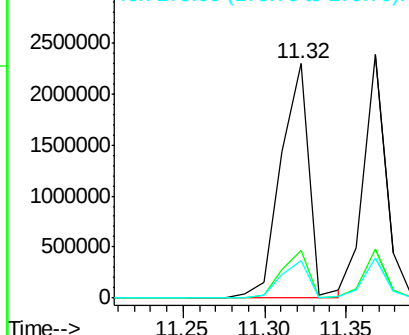


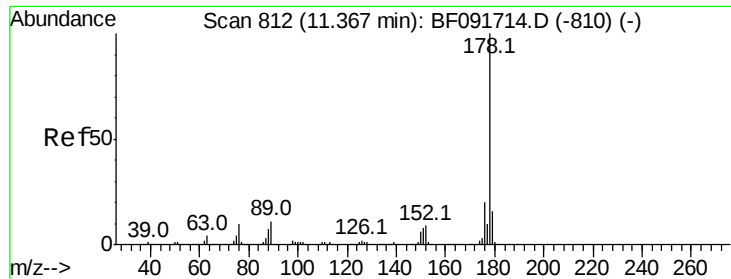
#70
 Phenanthrene
 Concen: 51.42 ng
 RT: 11.32 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2757558		
176	20.4		16.6	25.0
179	15.9		12.8	19.2



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





#71

Anthracene

Concen: 40.43 ng

RT: 11.37 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

ClientSampleId :

PB95429BS

Tot Ion:178 Resp: 2296679

Ion Ratio Lower Upper

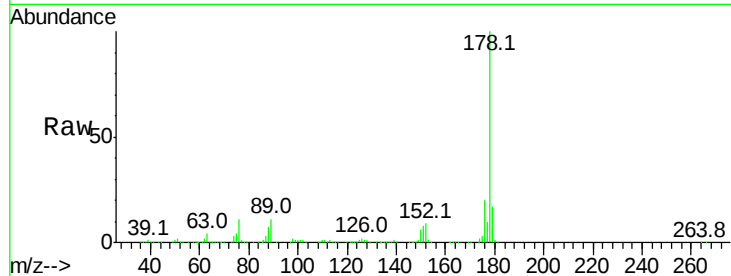
178 100

176 20.2 15.9 23.9

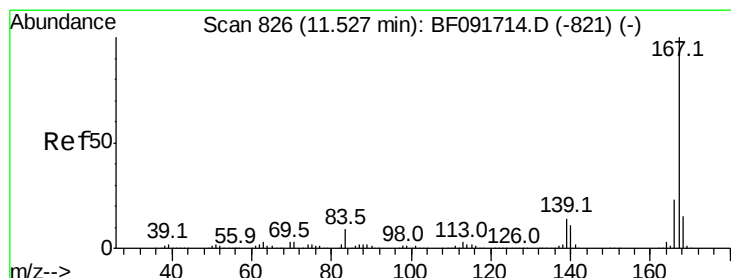
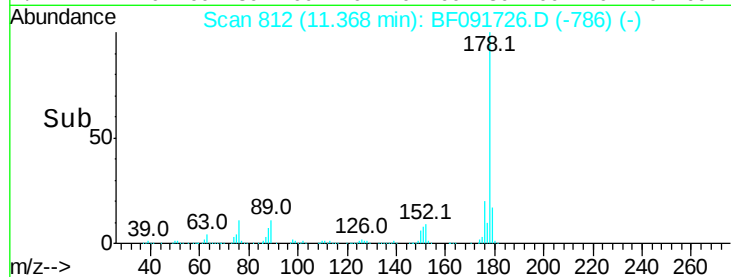
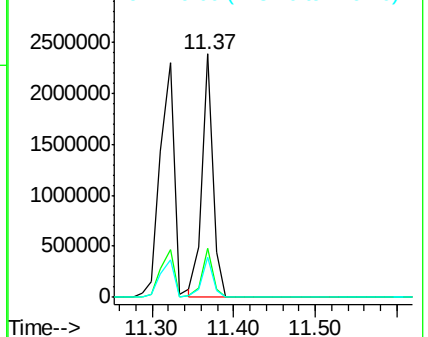
179 16.6 13.2 19.8

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



#72

Carbazole

Concen: 47.90 ng

RT: 11.53 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

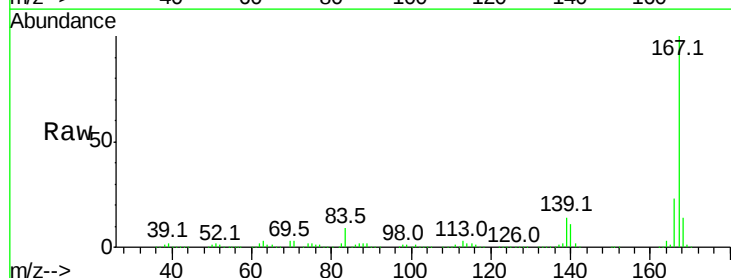
Tgt Ion:167 Resp: 2379288

Ion Ratio Lower Upper

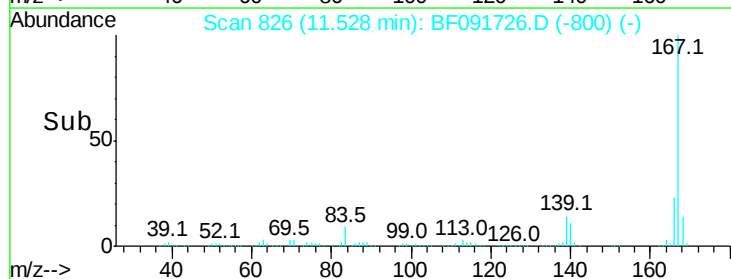
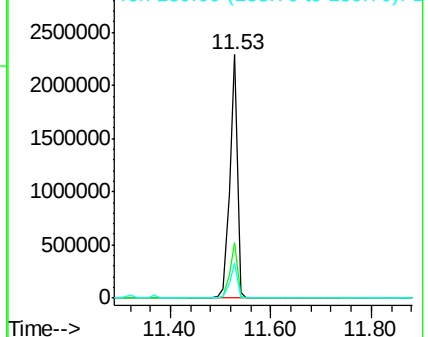
167 100

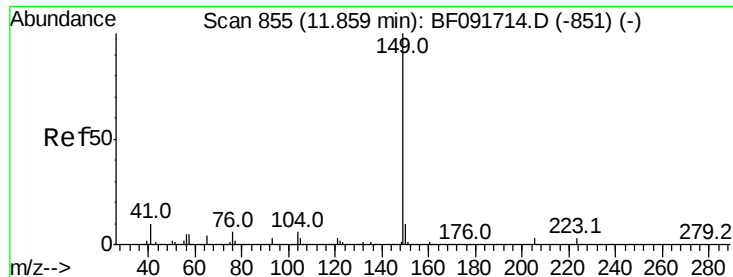
166 22.8 18.2 27.2

139 14.4 11.4 17.2



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





#73

Di-n-butylphthalate

Concen: 43.39 ng

RT: 11.86 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

ClientSampleId :

PB95429BS

Tot Ion:149 Resp: 2763368

Ion Ratio Lower Upper

149 100

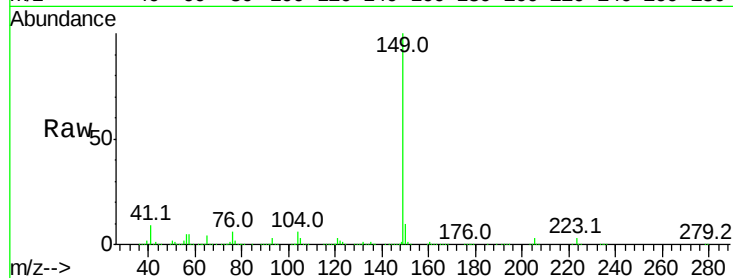
150 10.0 8.1 12.1

104 5.8 4.6 7.0

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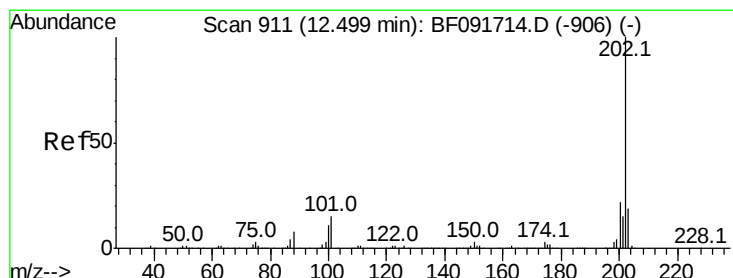
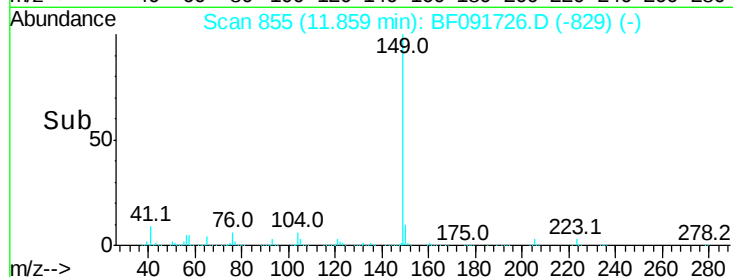
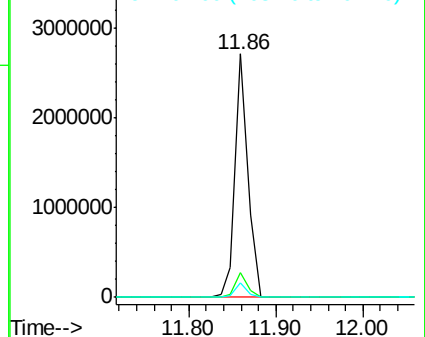
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 42.46 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

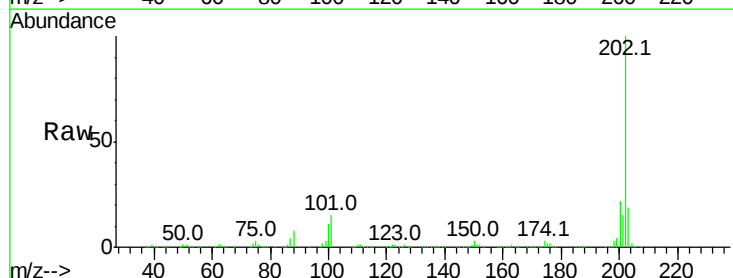
Tgt Ion:202 Resp: 2378237

Ion Ratio Lower Upper

202 100

101 14.8 0.0 34.6

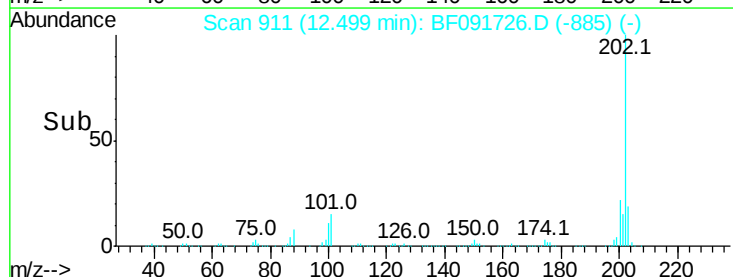
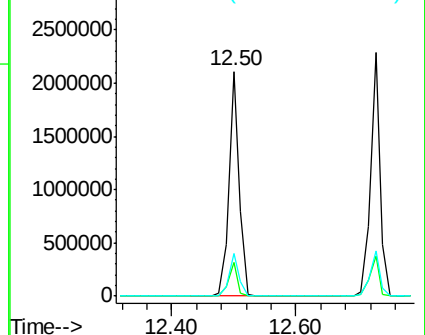
203 18.8 0.0 38.7

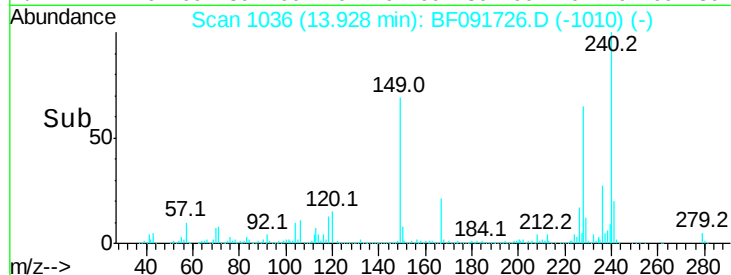
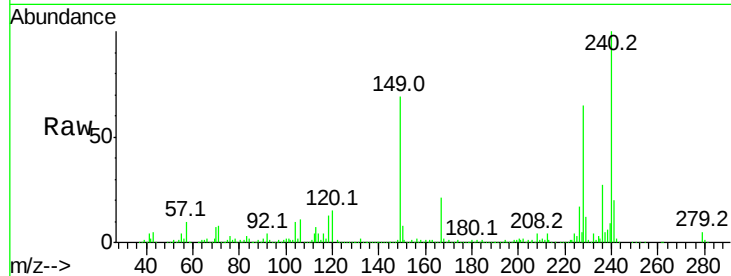
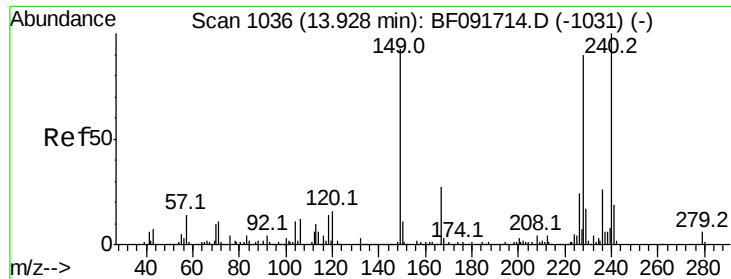


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Tot Ion:	240	Resp:	743617
Ion Ratio	Lower	Upper	
240	100		
120	15.2	12.9	19.3
236	26.5	20.9	31.3

Instrument :

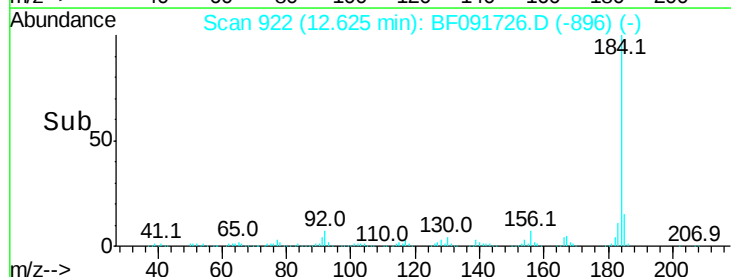
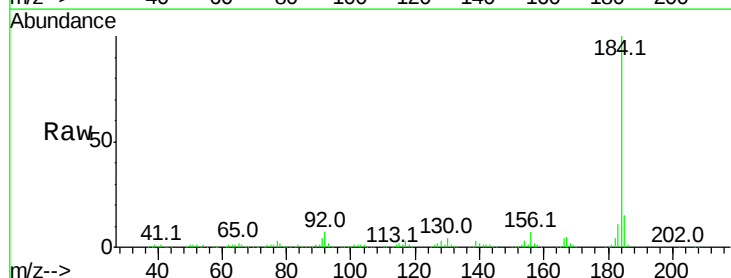
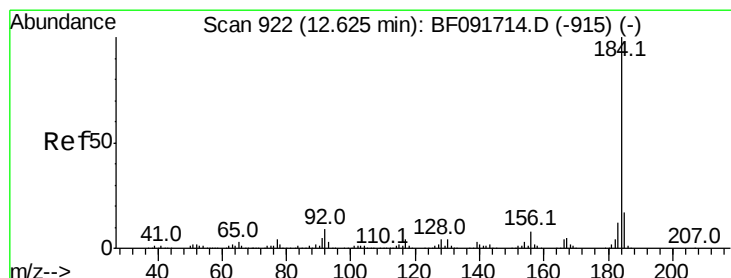
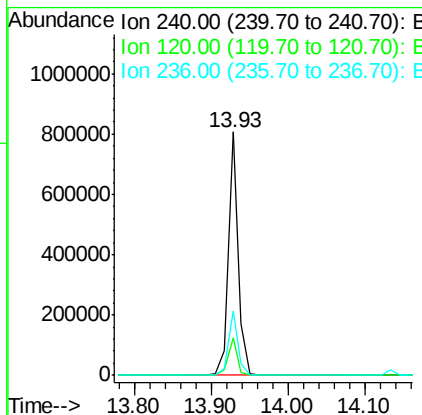
BNA_F

ClientSampled :

PB95429BS

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#76

Benzidine

Concen: 27.99 ng

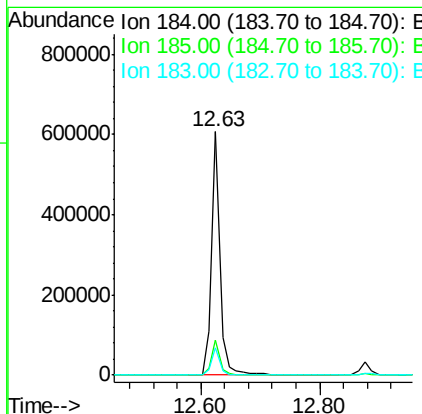
RT: 12.63 min Scan# 922

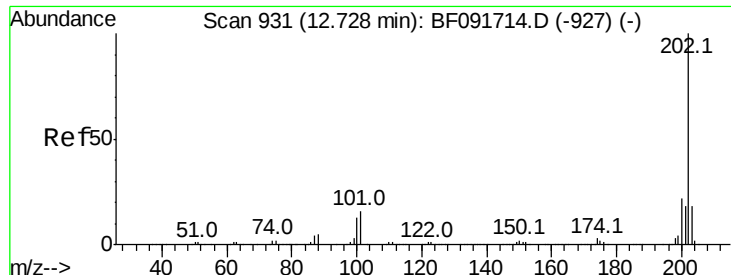
Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Tgt Ion:	184	Resp:	599075
Ion Ratio	Lower	Upper	
184	100		
185	14.6	13.4	20.0
183	11.0	9.2	13.8





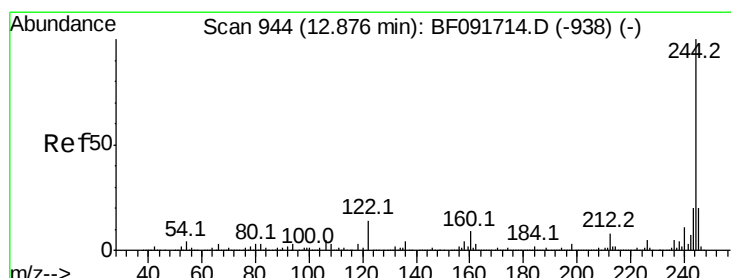
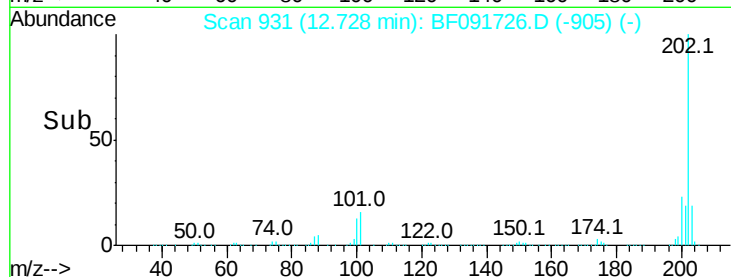
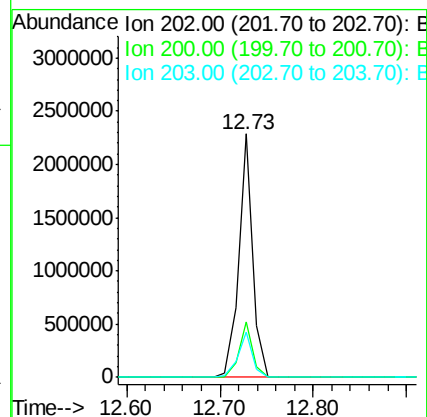
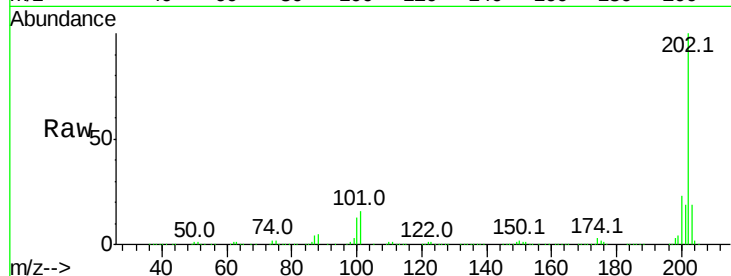
#77
Pvrene
Concen: 44.46 ng
RT: 12.73 min Scan# 931
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.7	26.5
203	18.7	14.7	22.1

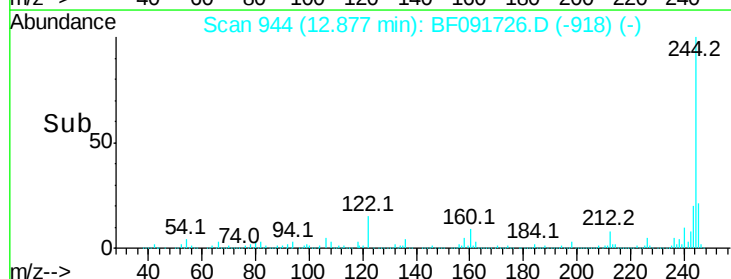
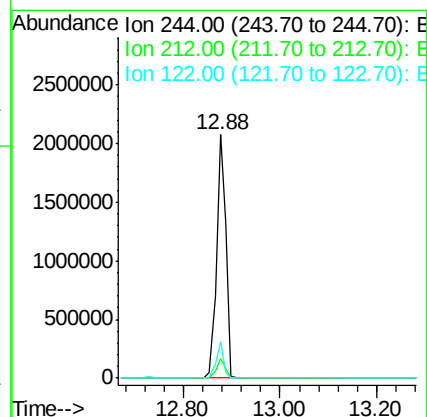
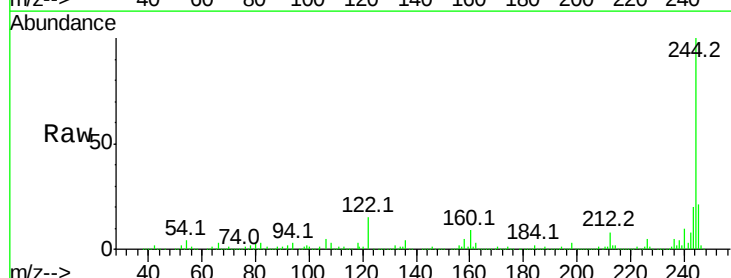
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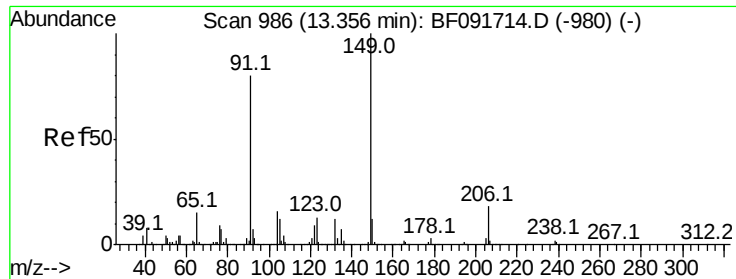
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#78
Terphenyl-d14
Concen: 97.53 ng
RT: 12.88 min Scan# 944
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.2
122	14.7	11.4	17.2





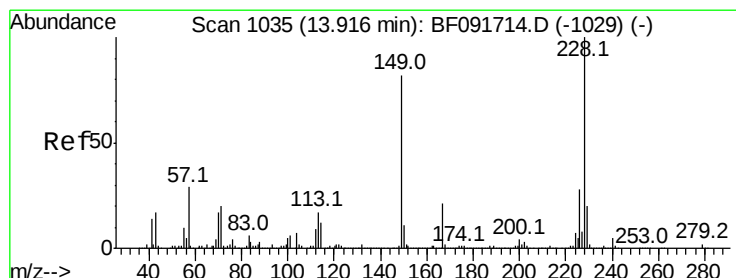
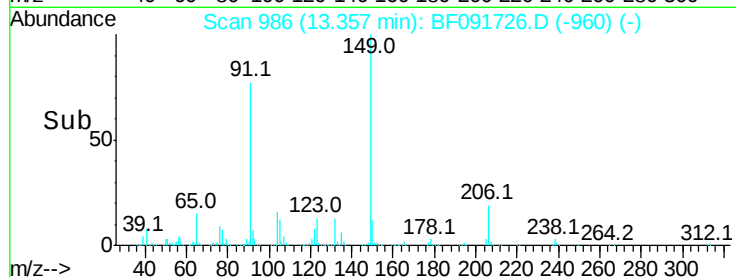
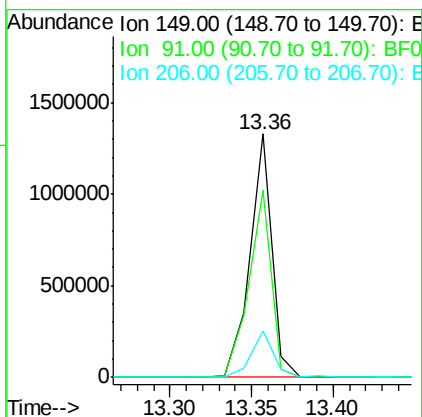
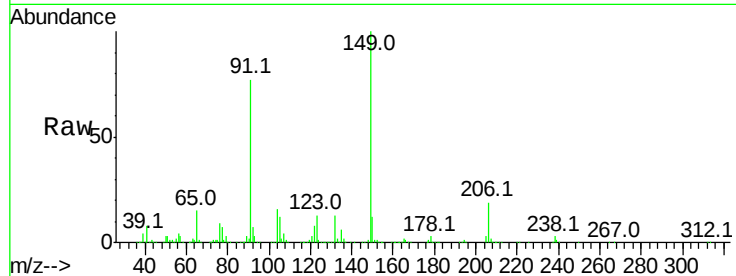
#79
Butylbenzylphthalate
Concen: 49.52 ng
RT: 13.36 min Scan# 986
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

Tot Ion	Ratio	Lower	Upper
149	100		
91	77.2	63.9	95.9
206	19.0	14.6	21.8

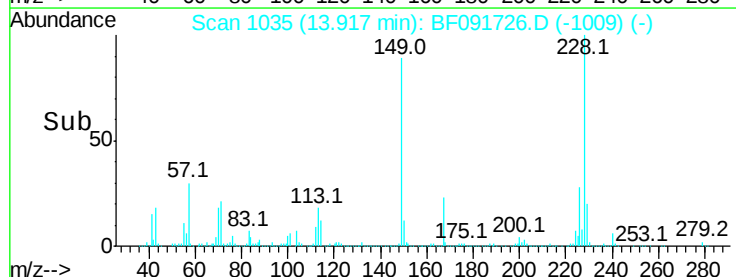
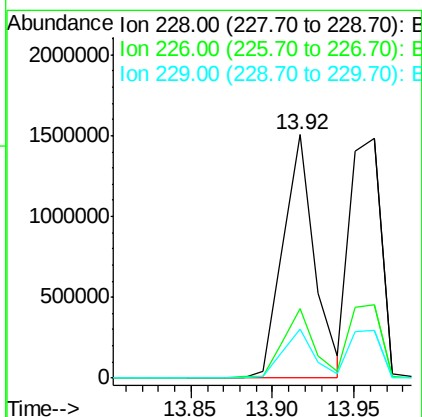
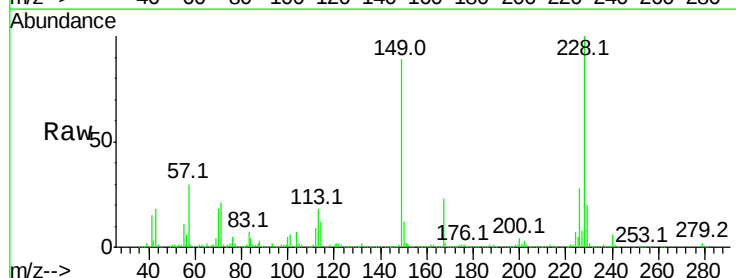
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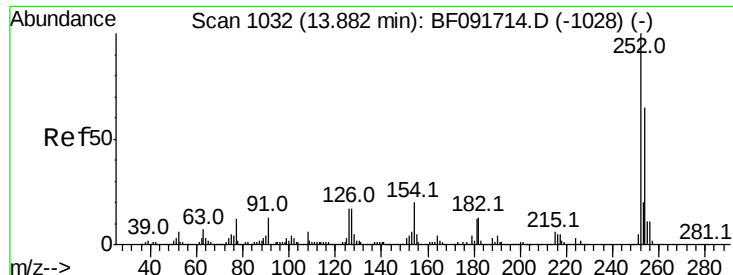
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#80
Benzo(a)anthracene
Concen: 47.89 ng
RT: 13.92 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.4	33.6
229	20.2	16.2	24.4





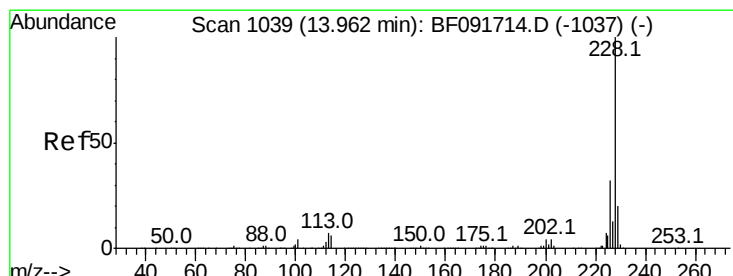
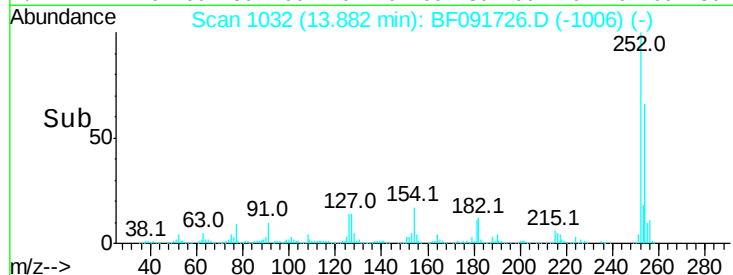
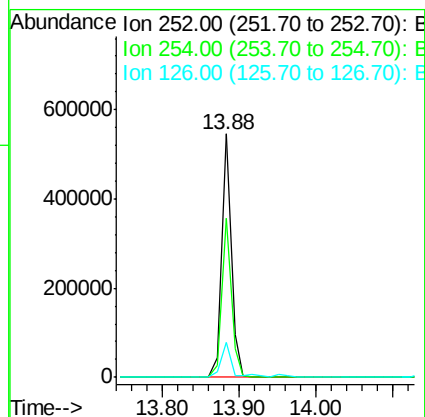
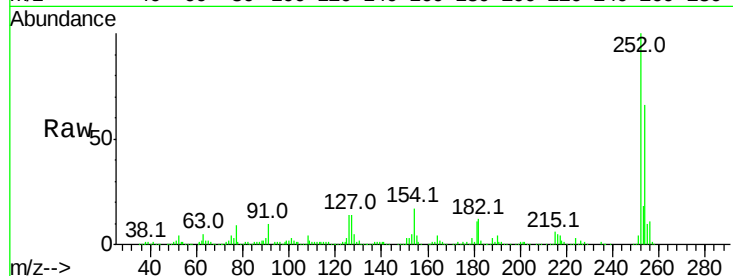
#81
 3,3'-Dichlorobenzidine
 Concen: 28.21 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Instrument :
 BNA_F
 ClientSampleId :
 PB95429BS

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
254	65.6	52.3	78.5	
126	14.3	13.6	20.4	

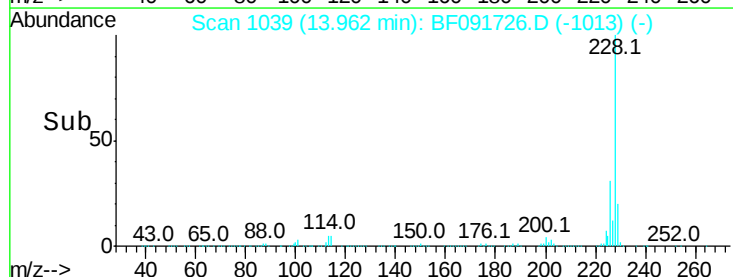
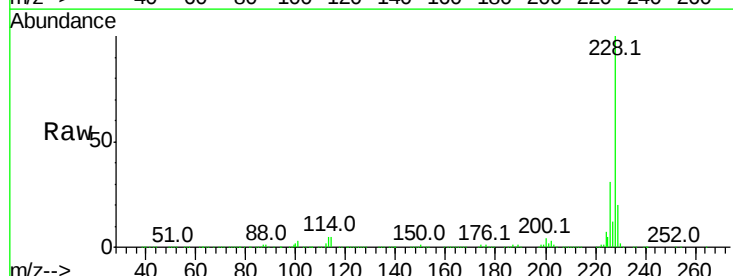
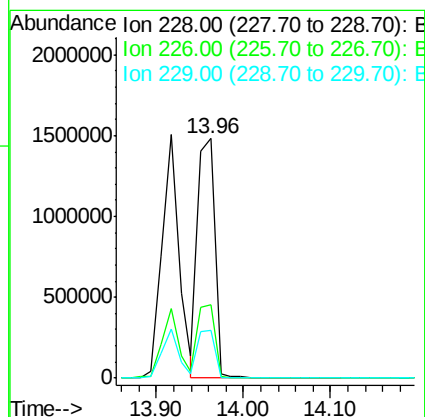
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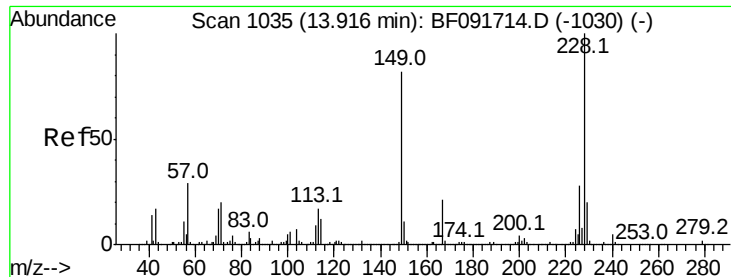
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#82
 Chrysene
 Concen: 45.86 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.9	25.4	38.0	
229	19.8	16.2	24.2	





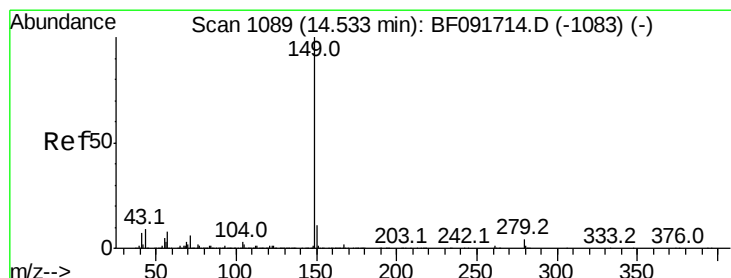
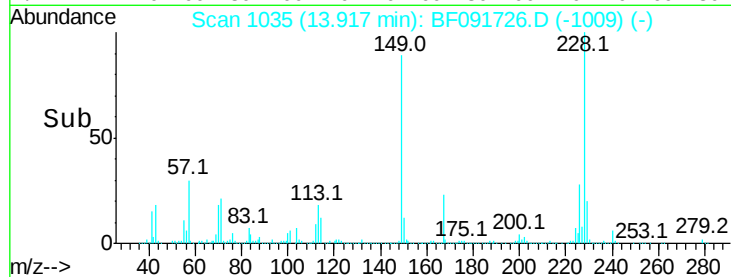
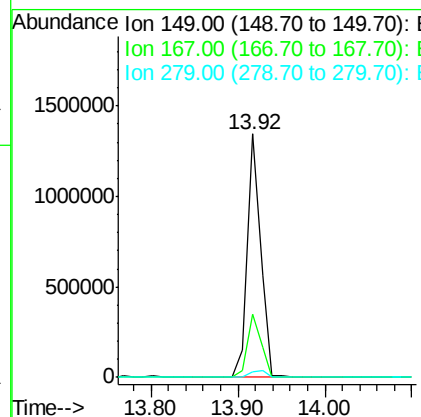
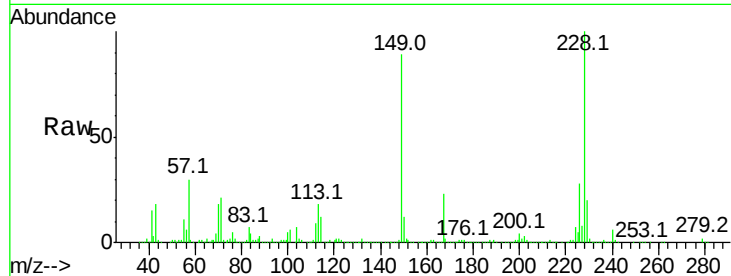
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 44.85 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Instrument :
 BNA_F
 ClientSampleId :
 PB95429BS

Tot Ion:149 Resp: 1429938
 Ion Ratio Lower Upper
 149 100
 167 25.9 20.2 30.4
 279 2.4 1.8 2.8

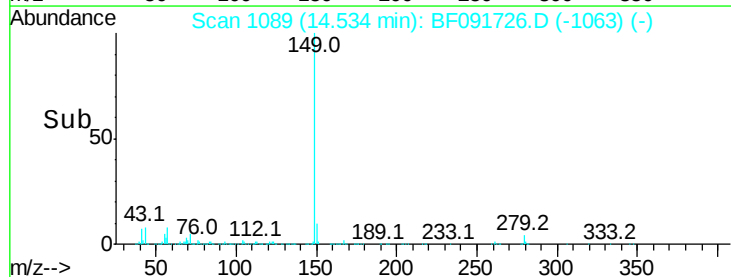
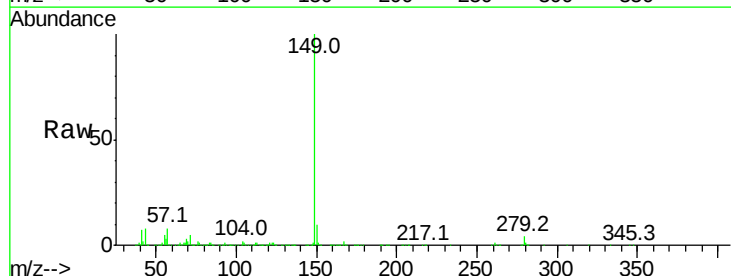
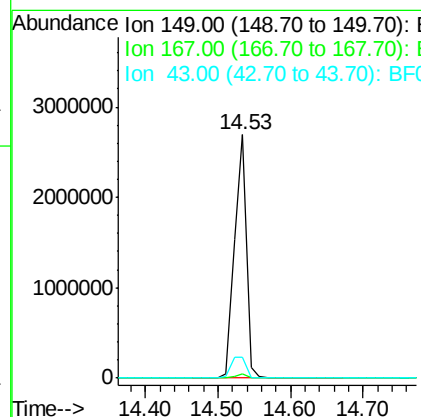
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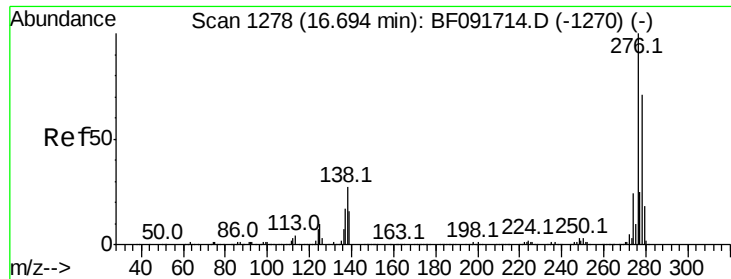
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#84
 Di-n-octyl phthalate
 Concen: 51.74 ng
 RT: 14.53 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Tgt Ion:149 Resp: 3039536
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 10.7 8.9 13.3





#85

Indeno(1,2,3-cd)pyrene

Concen: 49.15 ng

RT: 16.68 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

Instrument :

BNA_F

ClientSampleId :

PB95429BS

Tot Ion:276 Resp: 2130704

Ion Ratio Lower Upper

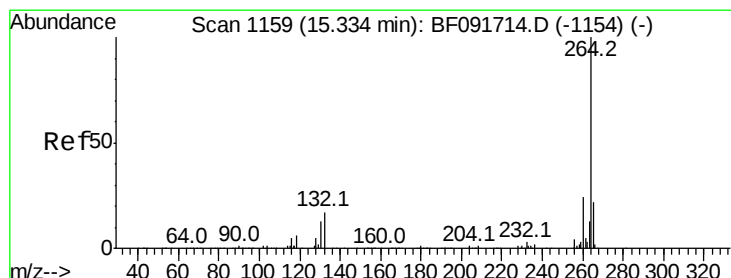
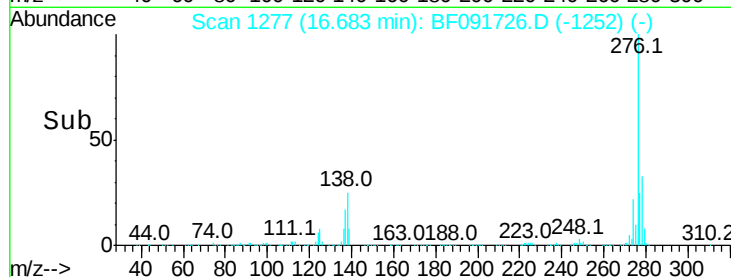
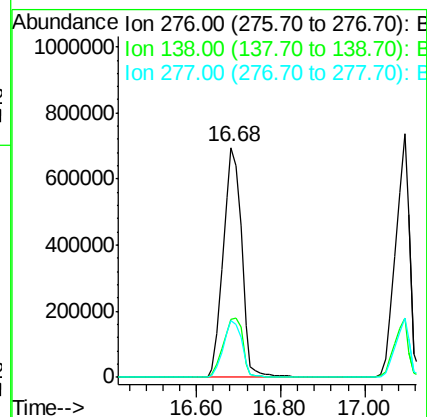
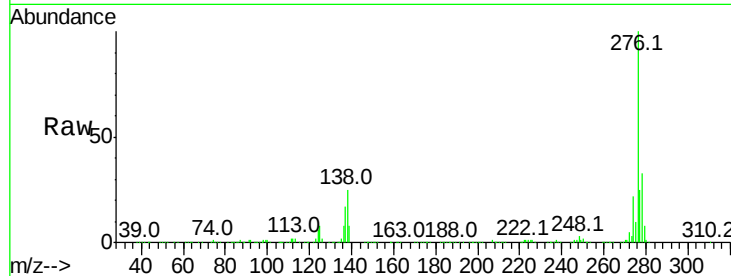
276 100

138 27.4 21.8 32.6

277 25.2 20.2 30.4

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#86

Perylene-d12

Concen: 20.00 ng

RT: 15.33 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BF091726.D

Acq: 18 Dec 2016 2:35

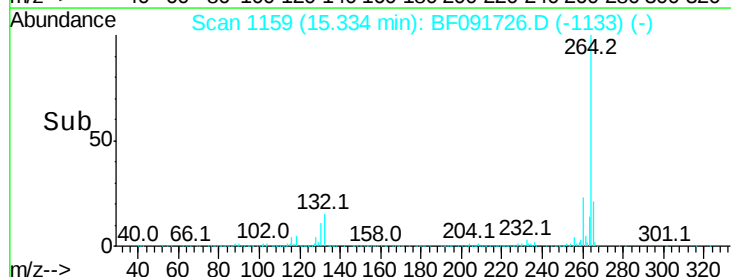
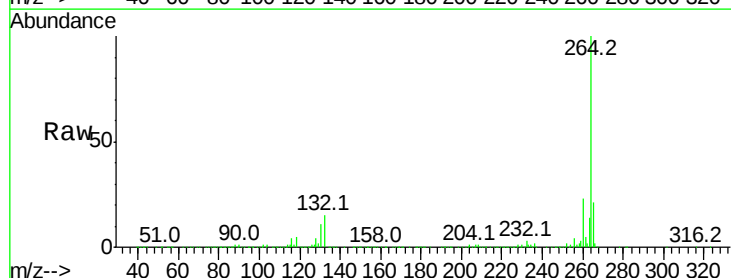
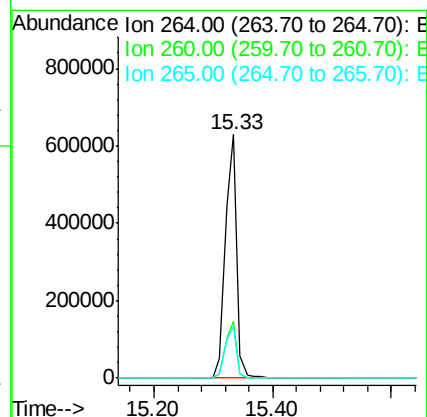
Tgt Ion:264 Resp: 830927

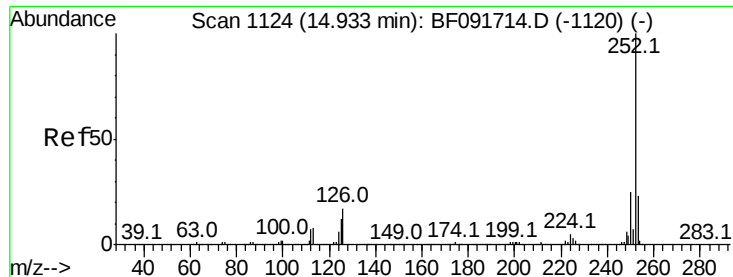
Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.4 17.4 26.0





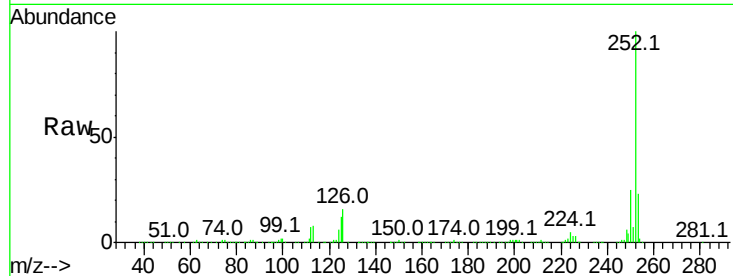
#87
Benzo(b)fluoranthene
Concen: 50.81 ng m
RT: 14.93 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

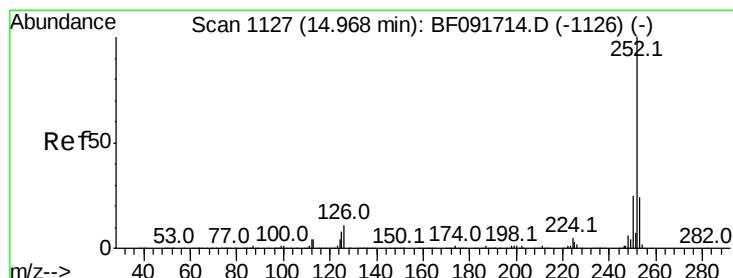
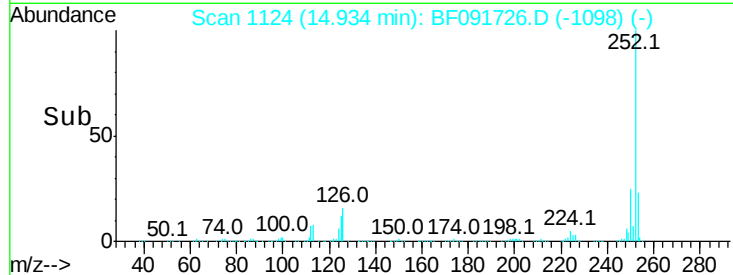
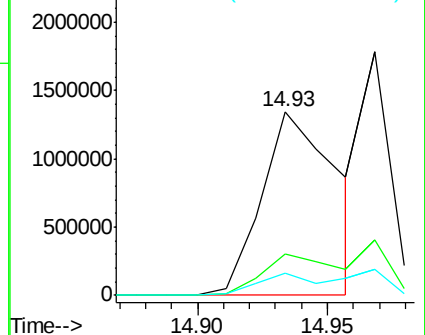
Tot Ion:252 Resp: 2677347
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.4
125 12.4 9.8 14.6

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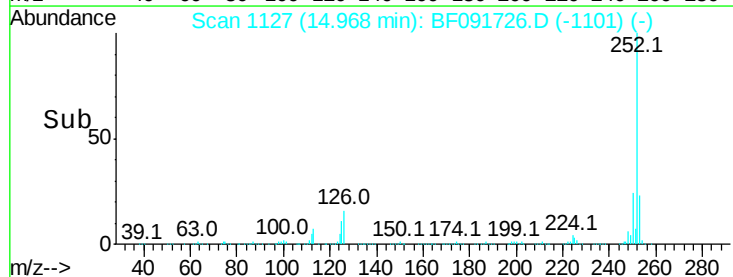
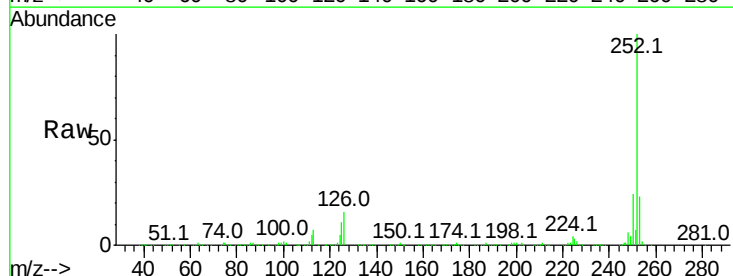
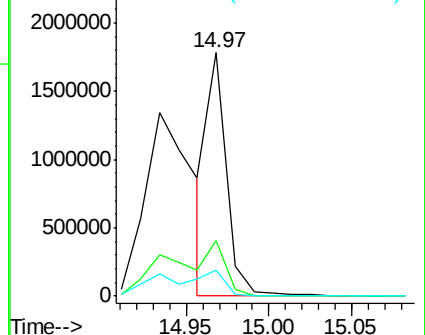
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

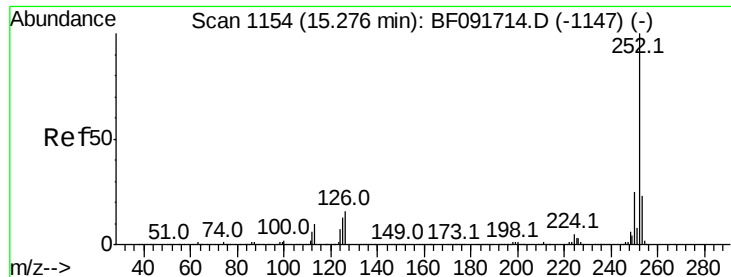


#88
Benzo(k)fluoranthene
Concen: 38.71 ng m
RT: 14.97 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion:252 Resp: 1431060
Ion Ratio Lower Upper
252 100
253 22.9 18.5 27.7
125 10.9 8.9 13.3

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





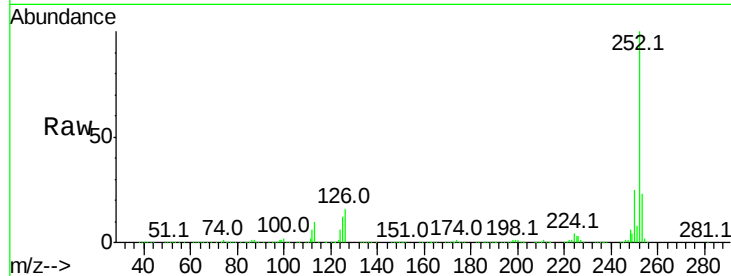
#89
Benzo(a)pyrene
Concen: 43.64 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Instrument :
BNA_F
ClientSampleId :
PB95429BS

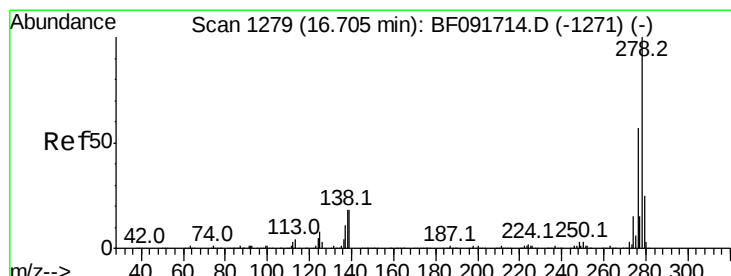
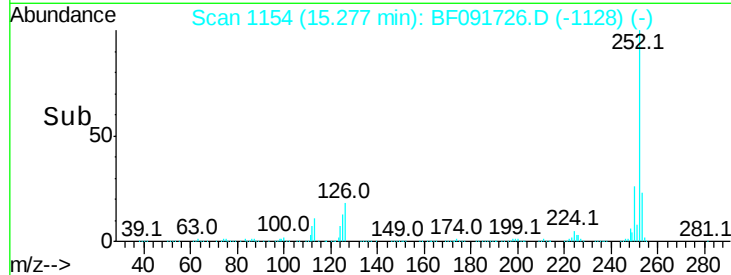
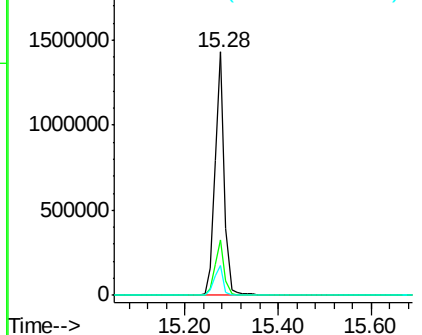
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	12.2	10.0	15.0

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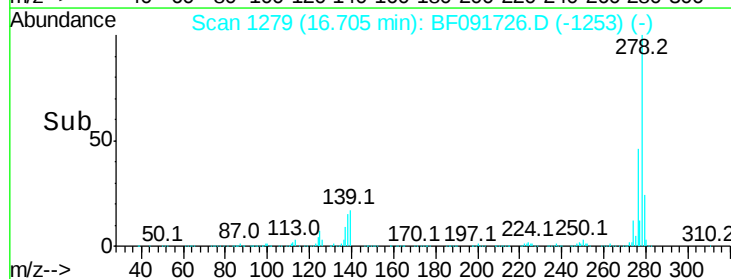
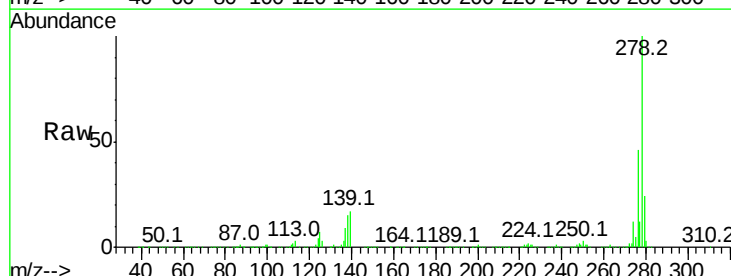
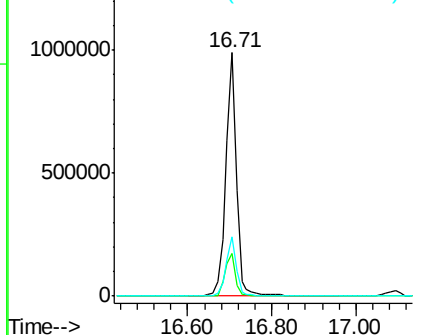
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

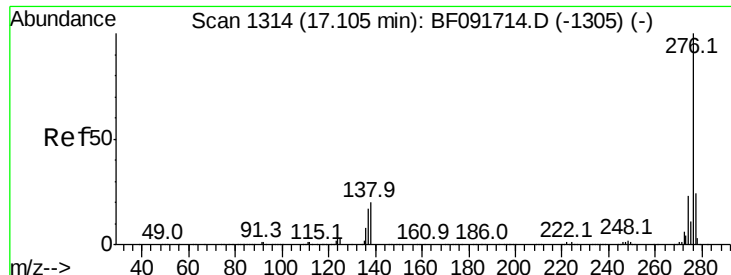


#90
Dibenzo(a,h)anthracene
Concen: 44.10 ng
RT: 16.71 min Scan# 1279
Delta R.T. 0.00 min
Lab File: BF091726.D
Acq: 18 Dec 2016 2:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.8	22.2
279	24.3	19.8	29.6

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





#91
 Benzo(a,h,i)perylene
 Concen: 43.57 ng
 RT: 17.09 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF091726.D
 Acq: 18 Dec 2016 2:35

Instrument :
 BNA_F
 ClientSampleId :
 PB95429BS

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	24.3	16.0	24.0

Manual Integrations
 APPROVED

umangi
 12/20/2016 11:40:51 AM

