

Data Path : Z:\HPCHEM1\BNA F\Data\BF122116\
 Data File : BF091874.D
 Acq On : 22 Dec 2016 9:50
 Operator : UM/SJ
 Sample : H6156-20
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

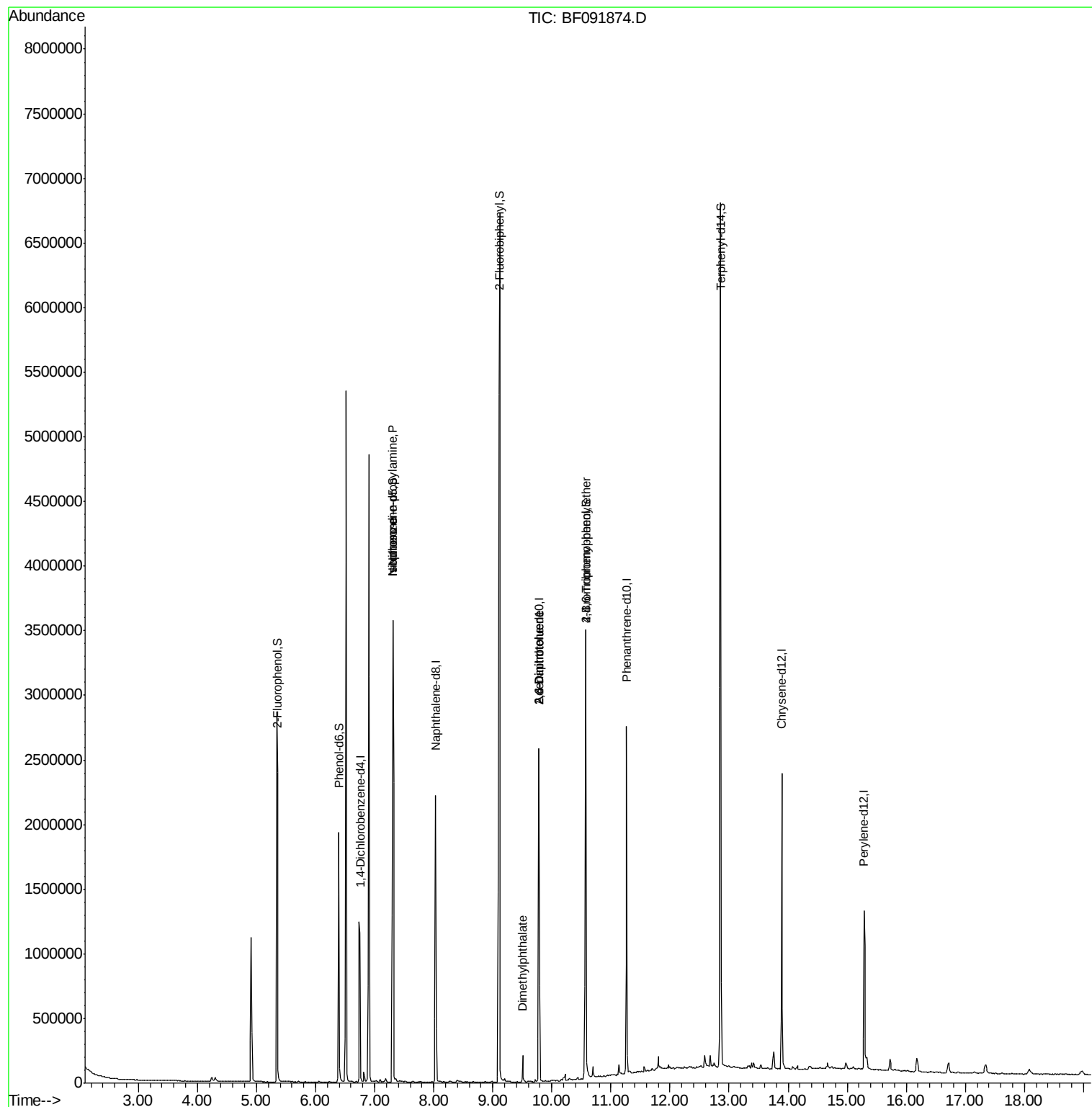
Quant Time: Dec 22 16:17:13 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

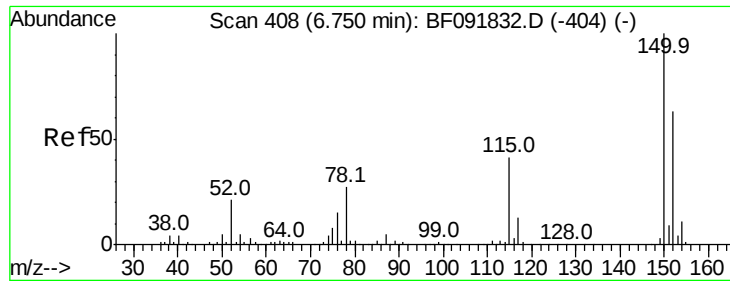
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	287530	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	1093791	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	598985	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	1027434	20.00	ng	0.00
75) Chrysene-d12	13.89	240	797688	20.00	ng	-0.01
86) Perylene-d12	15.29	264	654534	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1150720	66.82	ng	0.01
7) Phenol-d6	6.40	99	933797	44.42	ng	-0.01
23) Nitrobenzene-d5	7.31	82	1795822	91.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	711095	143.45	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	3170120	112.63	ng	0.00
78) Terphenyl-d14	12.85	244	2342248	71.21	ng	0.00
Target Compounds						
9) Benzaldehyde	6.40	77	1392	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.31	70	231887	16.58	ng	# 77
25) Isophorone	7.31	82	1460021	40.23	ng	# 65
37) 2-Methylnaphthalene	8.75	142	601	Below Cal	#	59
49) Dimethylphthalate	9.50	163	81050	2.12	ng	99
50) 2,6-Dinitrotoluene	9.78	165	78835	9.40	ng	# 31
56) 2,4-Dinitrotoluene	9.78	165	78838	7.49	ng	# 20
66) 4-Bromophenyl-phenylether	10.58	248	43719	4.09	ng	# 1
71) Anthracene	11.34	178	2688	Below Cal	#	53
73) Di-n-butylphthalate	11.84	149	5052	Below Cal	#	88
74) Fluoranthene	12.38	202	441	Below Cal	#	61

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

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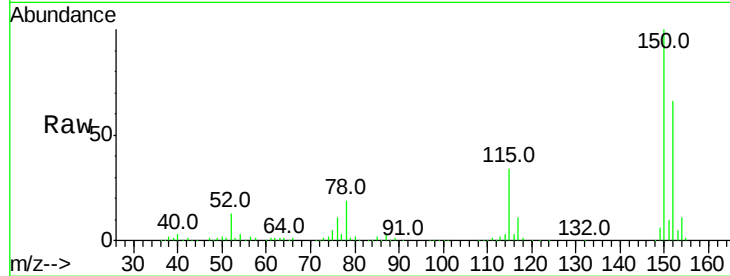




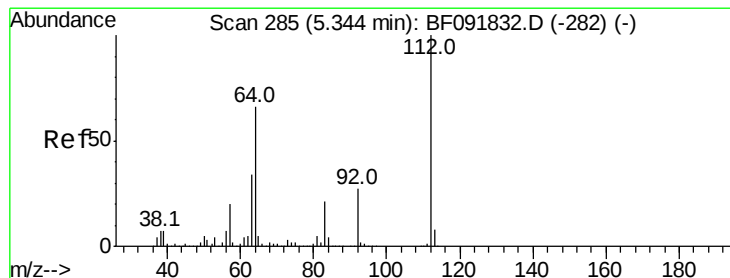
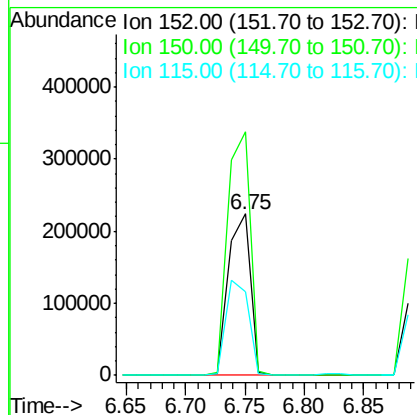
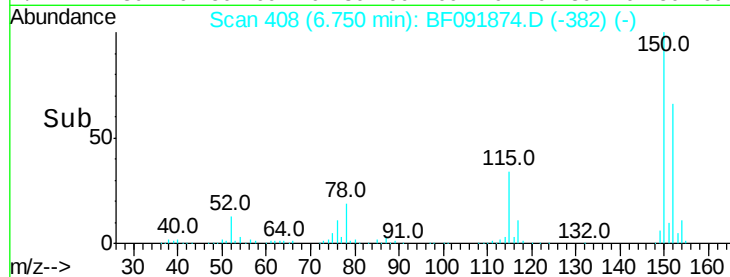
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.00 min
Lab File: BF091874.D
Acq: 22 Dec 2016 9:50

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.7	124.9	187.3
115	51.4	46.0	69.0



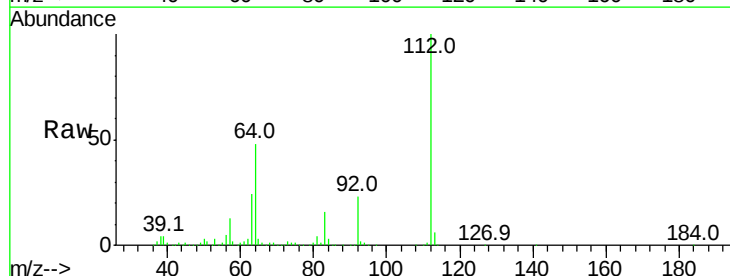
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



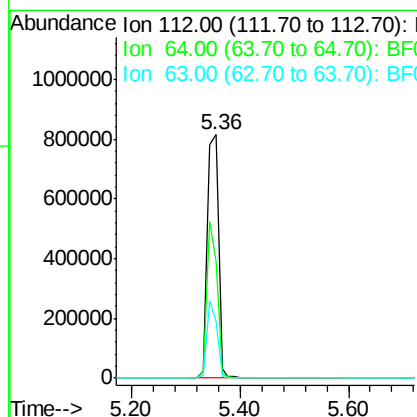
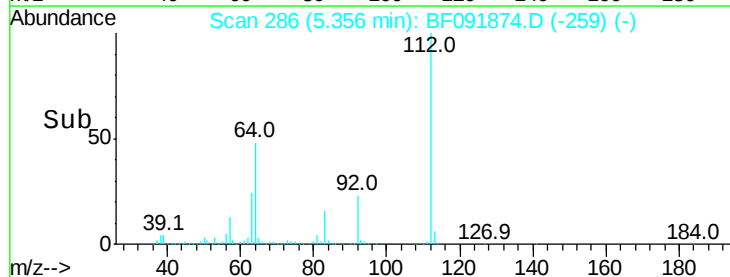
#5

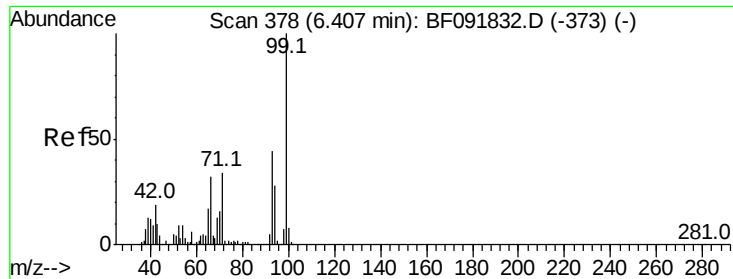
2-Fluorophenol
Concen: 66.82 ng
RT: 5.36 min Scan# 286
Delta R.T. 0.01 min
Lab File: BF091874.D
Acq: 22 Dec 2016 9:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.9	46.1	69.1
63	23.5	23.8	35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 44.42 ng

RT: 6.40 min Scan# 377

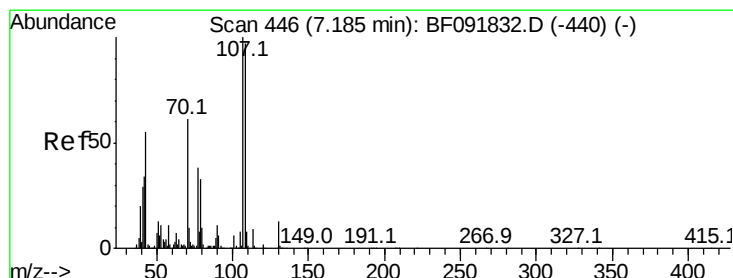
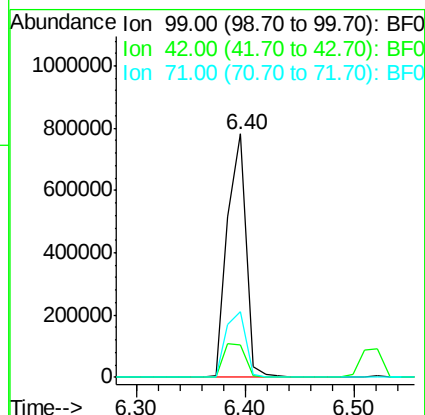
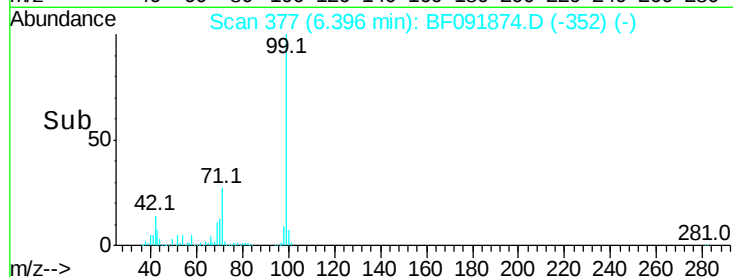
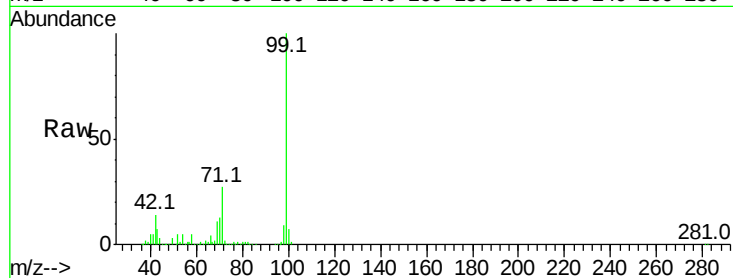
Delta R.T. -0.01 min

Lab File: BF091874.D

Acq: 22 Dec 2016 9:50

Tot Ion: 99 Resp: 933797

Ion	Ratio	Lower	Upper
99	100		
42	13.5	15.6	23.4#
71	26.9	27.5	41.3#



#19

n-Nitroso-di-n-propylamine

Concen: 16.58 ng

RT: 7.31 min Scan# 457

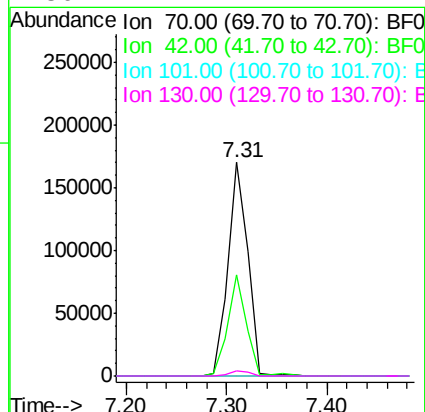
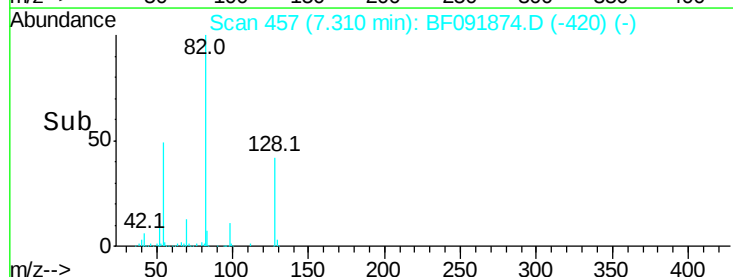
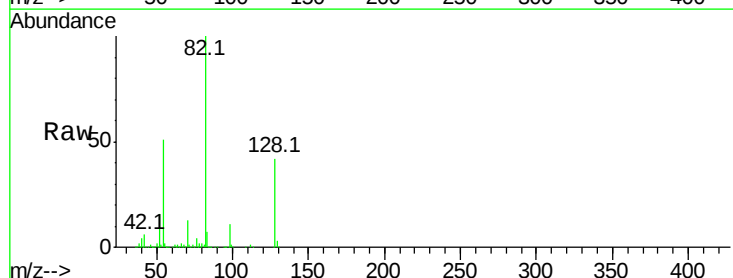
Delta R.T. 0.13 min

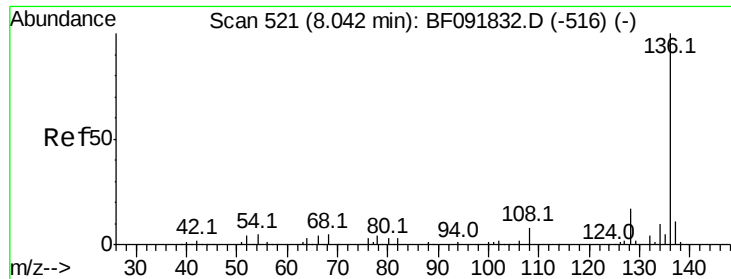
Lab File: BF091874.D

Acq: 22 Dec 2016 9:50

Tgt Ion: 70 Resp: 231887

Ion	Ratio	Lower	Upper
70	100		
42	47.4	49.4	74.0#
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#

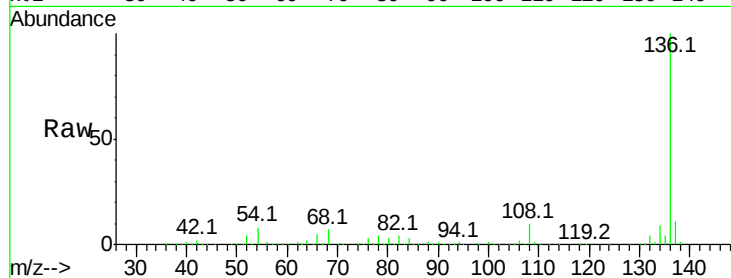




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091874.D
Acq: 22 Dec 2016 9:50

Tot Ion:136 Resp: 1093791

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	8.4	4.5	6.7#
68	7.2	3.6	5.4#

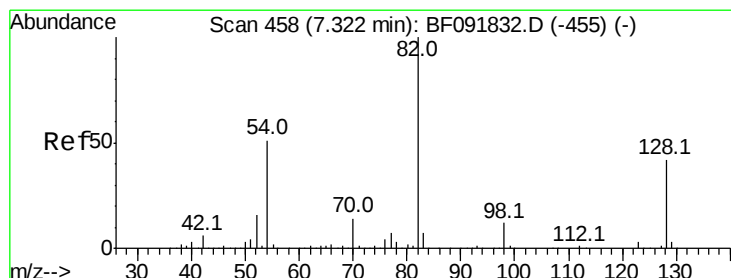
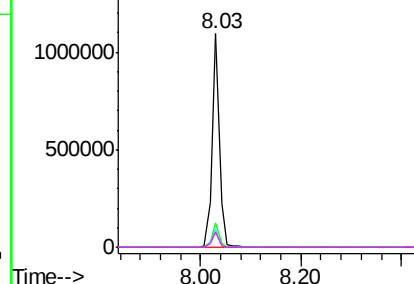
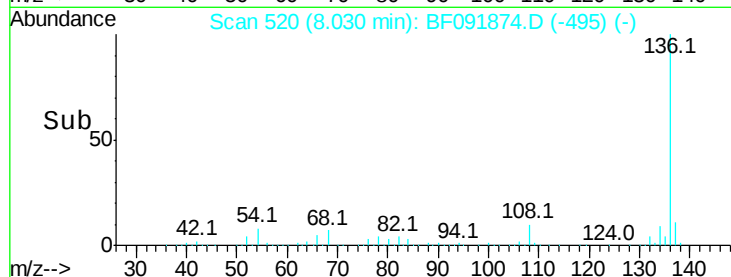


Abundance Ion 136.00 (135.70 to 136.70): B

Ion 137.00 (136.70 to 137.70): B

Ion 54.00 (53.70 to 54.70): BF0

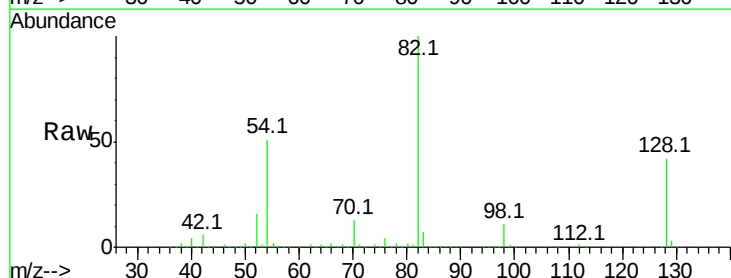
Ion 68.00 (67.70 to 68.70): BF0



#23
Nitrobenzene-d5
Concen: 91.30 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF091874.D
Acq: 22 Dec 2016 9:50

Tgt Ion: 82 Resp: 1795822

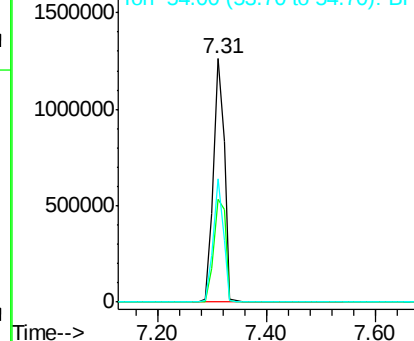
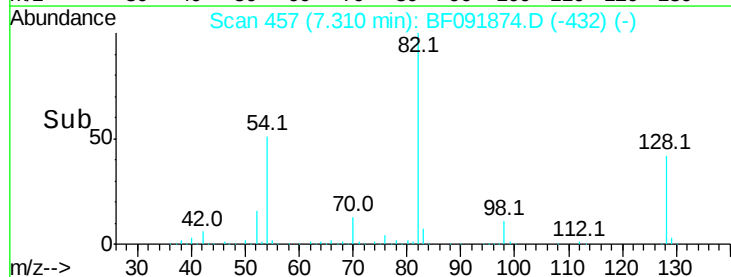
Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.6	52.0
54	50.6	39.5	59.3

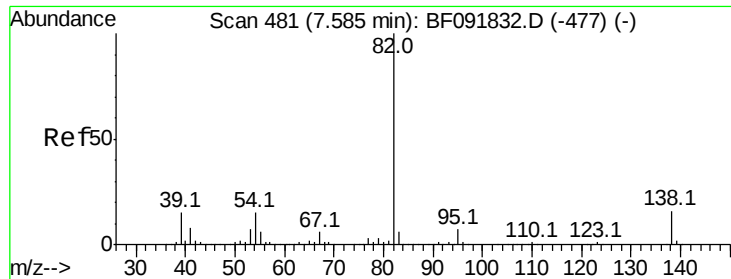


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 40.23 ng

RT: 7.31 min Scan# 457

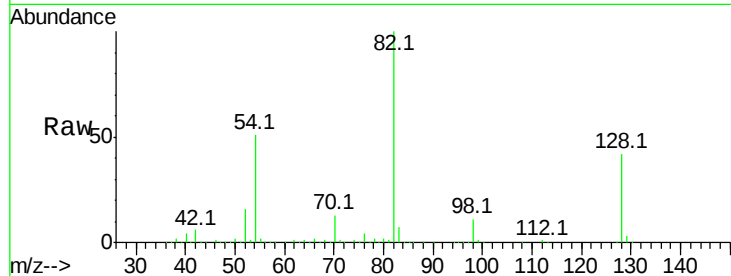
Delta R.T. -0.27 min

Lab File: BF091874.D

Acq: 22 Dec 2016 9:50

Tot Ion: 82 Resp: 1460021

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#

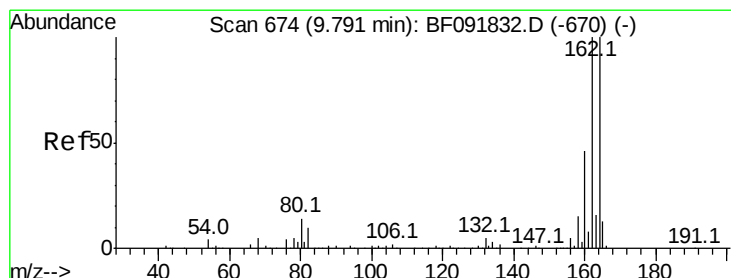
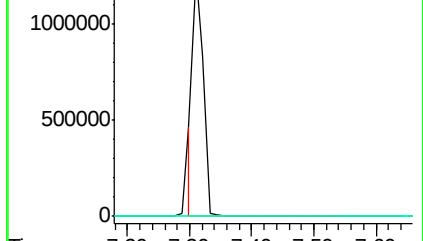
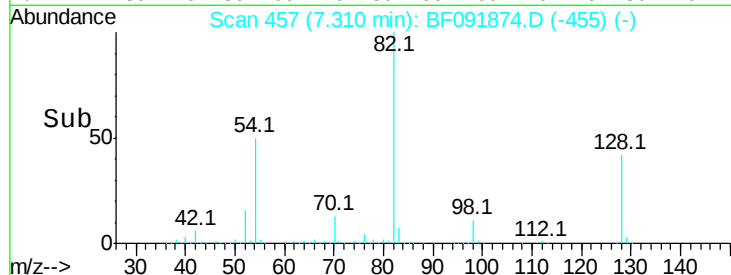


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

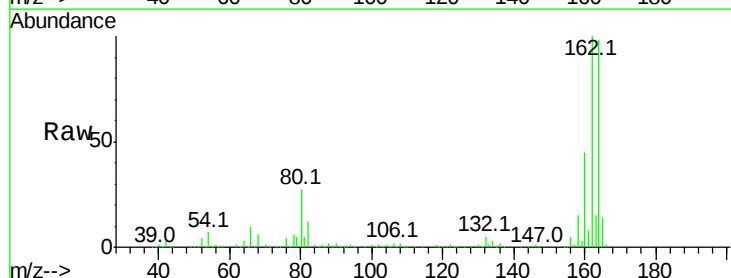
Delta R.T. -0.01 min

Lab File: BF091874.D

Acq: 22 Dec 2016 9:50

Tgt Ion: 164 Resp: 598985

Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.2	120.2
160	45.7	36.9	55.3

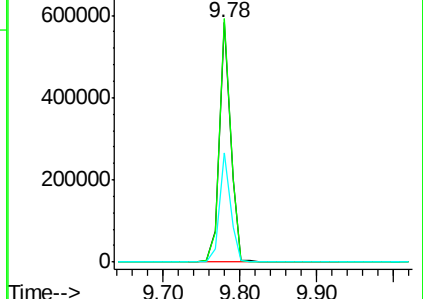
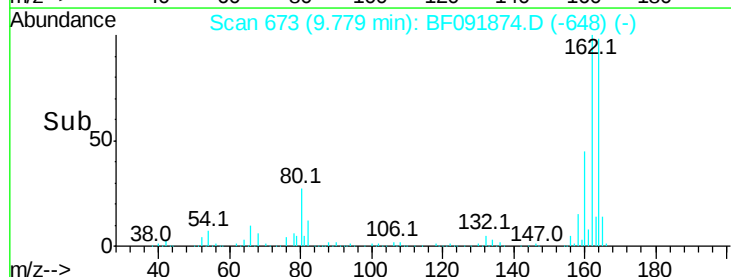


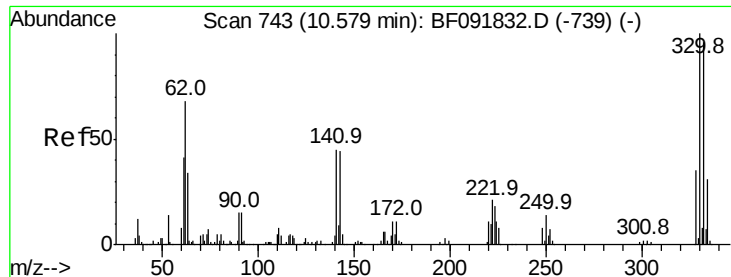
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

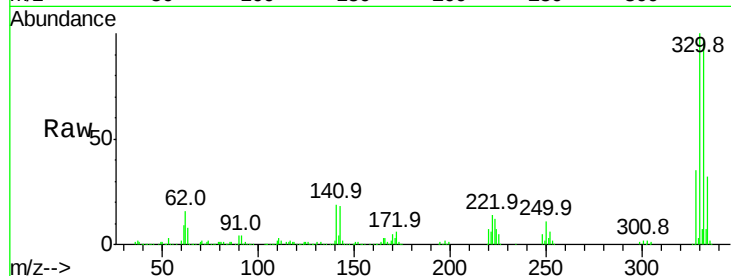
Time-->



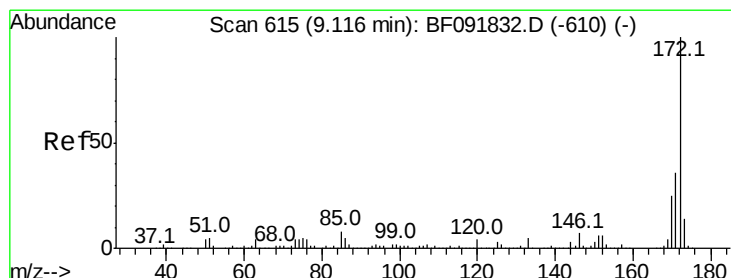
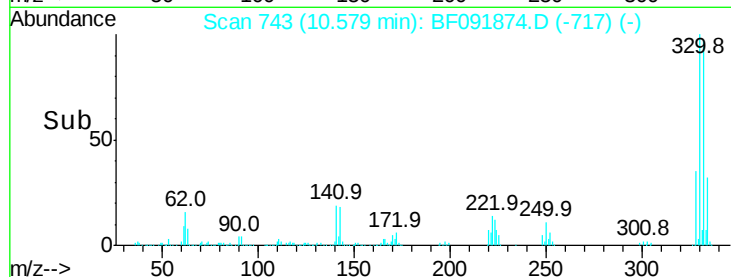
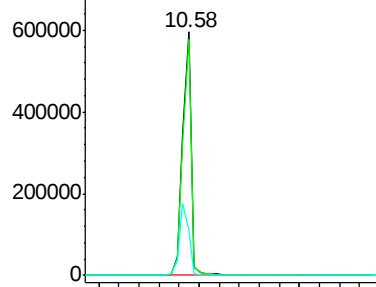


#41
 2,4,6-Tribromophenol
 Concen: 143.45 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF091874.D
 Acq: 22 Dec 2016 9:50

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.4	116.2
141	32.7	34.1	51.1#

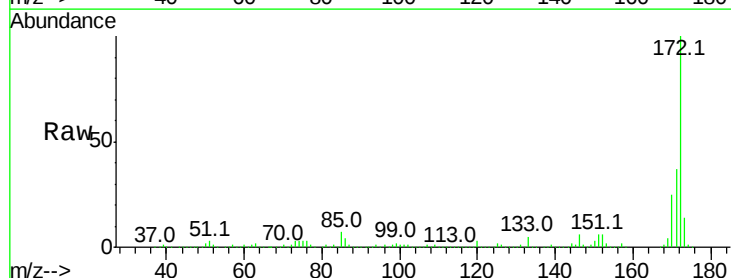


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

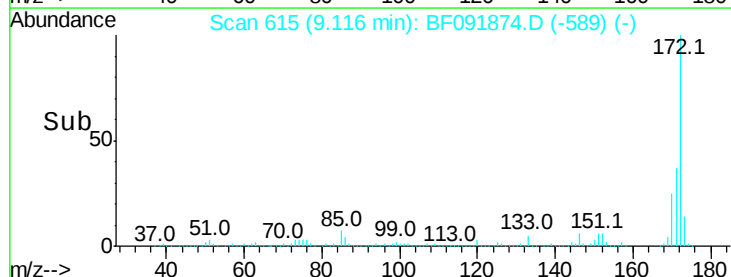
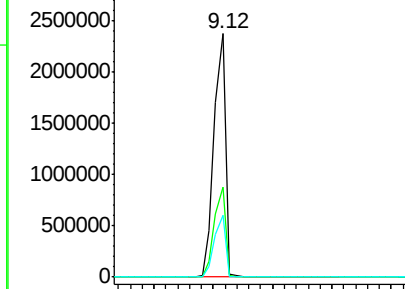


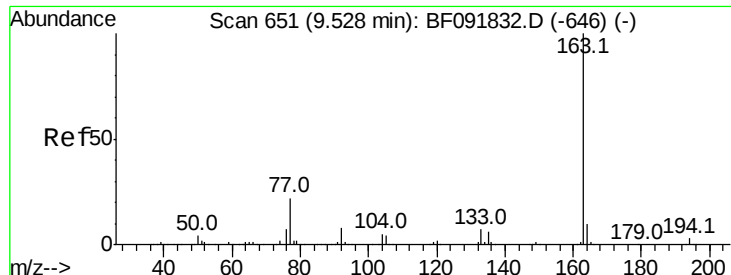
#44
 2-Fluorobiphenyl
 Concen: 112.63 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: BF091874.D
 Acq: 22 Dec 2016 9:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	25.5	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





#49

Dimethylphthalate

Concen: 2.12 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.02 min

Lab File: BF091874.D

Acq: 22 Dec 2016 9:50

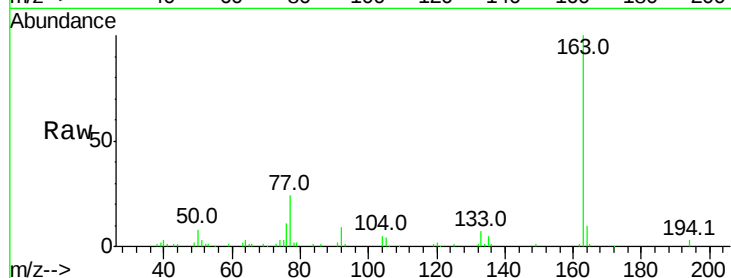
Tot Ion:163 Resp: 81050

Ion Ratio Lower Upper

163 100

194 3.1 3.0 4.4

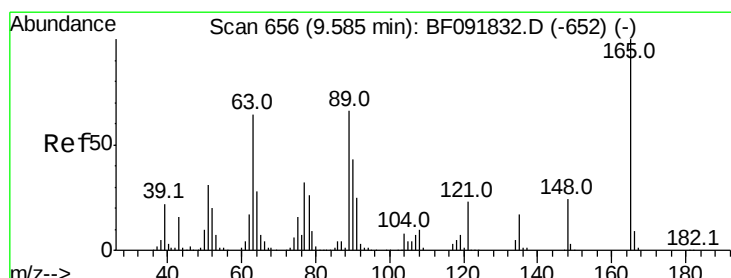
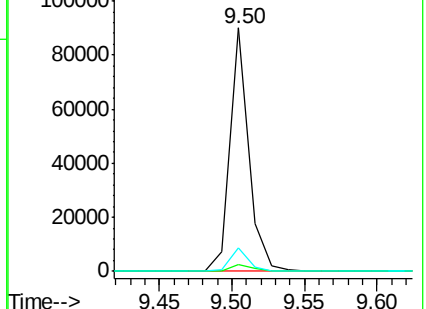
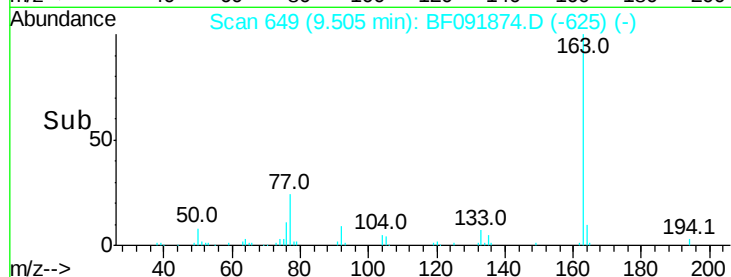
164 9.7 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 9.40 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.19 min

Lab File: BF091874.D

Acq: 22 Dec 2016 9:50

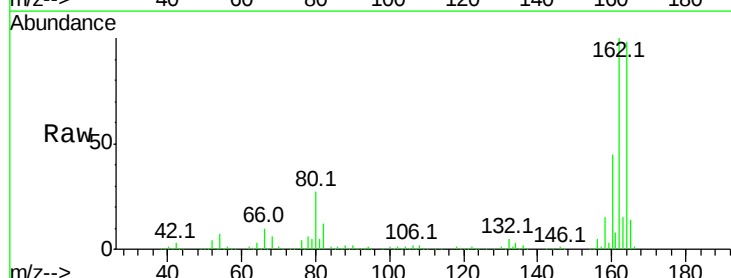
Tgt Ion:165 Resp: 78835

Ion Ratio Lower Upper

165 100

63 1.1 36.2 54.4#

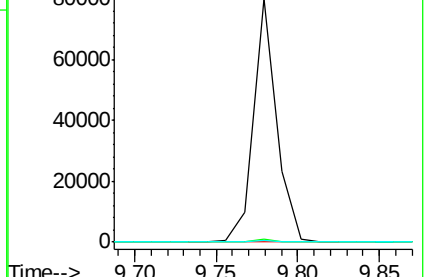
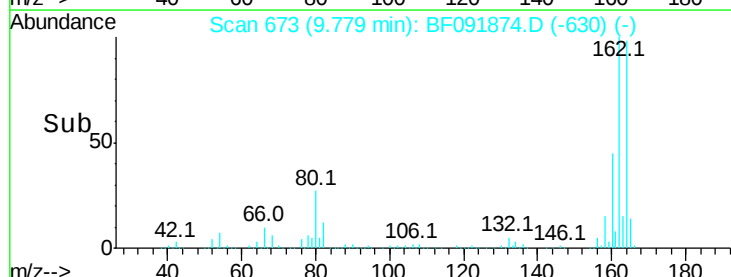
89 0.9 40.2 60.4#

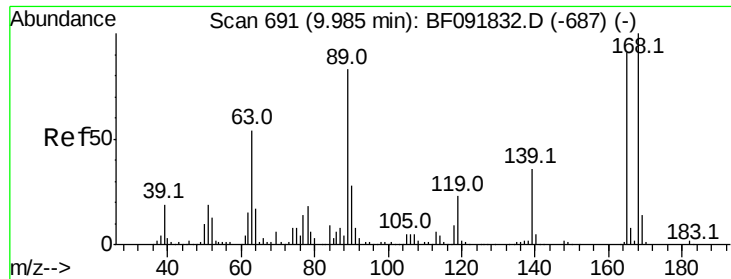


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

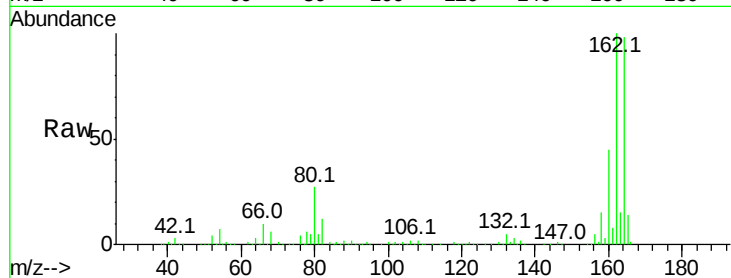
Ion 89.00 (88.70 to 89.70): BF0



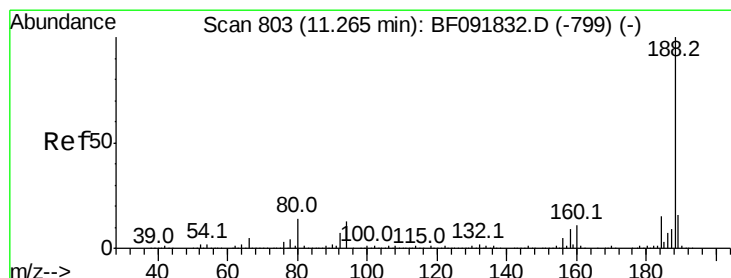
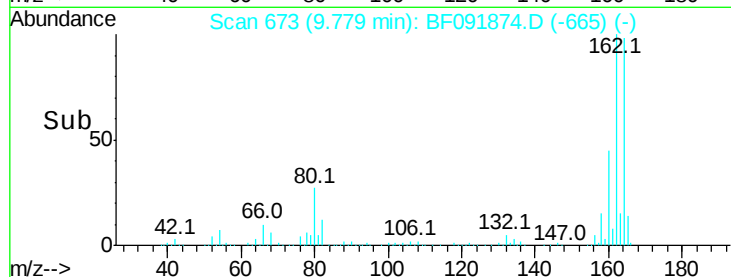
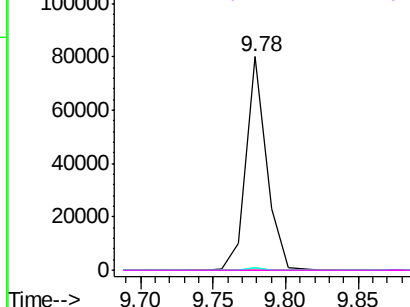


#56
2,4-Dinitrotoluene
Concen: 7.49 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.21 min
Lab File: BF091874.D
Acq: 22 Dec 2016 9:50

Tot Ion:165 Resp: 78838
Ion Ratio Lower Upper
165 100
63 1.1 40.2 60.4#
89 0.9 62.5 93.7#
182 0.0 1.8 2.8#

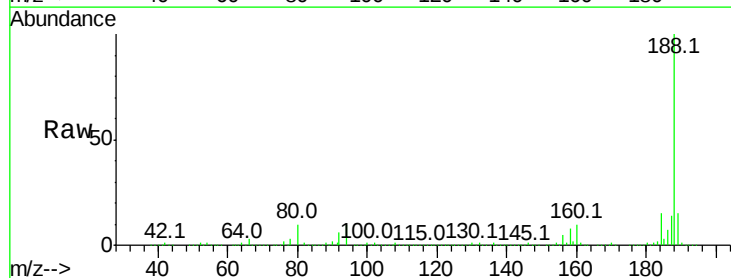


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

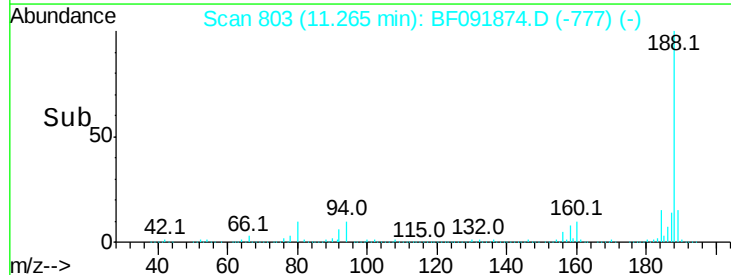
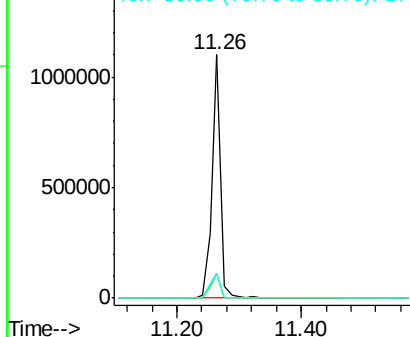


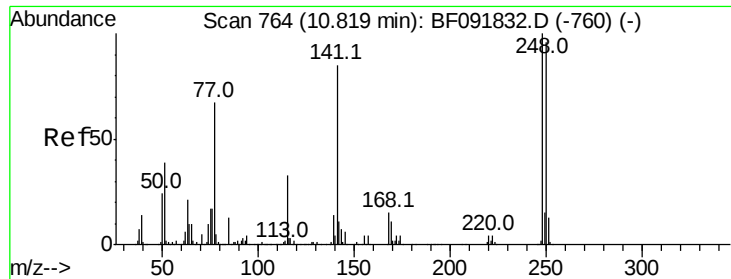
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF091874.D
Acq: 22 Dec 2016 9:50

Tgt Ion:188 Resp: 1027434
Ion Ratio Lower Upper
188 100
94 9.9 10.0 15.0#
80 10.1 11.2 16.8#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.09 ng

RT: 10.58 min Scan# 743

Delta R.T. -0.24 min

Lab File: BF091874.D

Acq: 22 Dec 2016 9:50

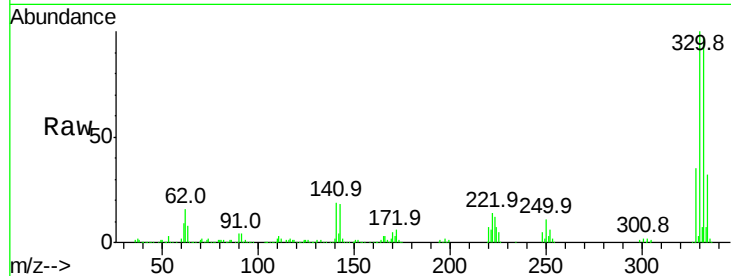
Tot Ion:248 Resp: 43719

Ion Ratio Lower Upper

248 100

250 205.9 76.9 115.3#

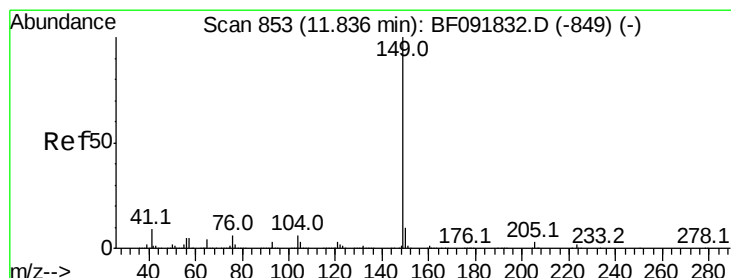
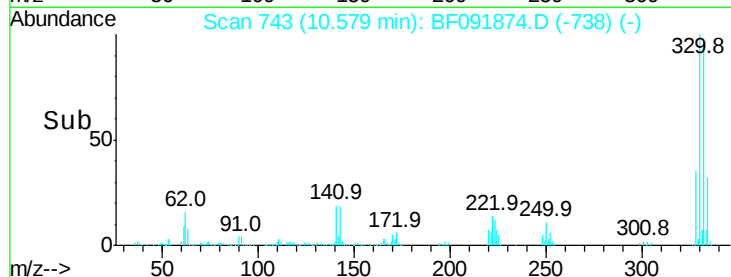
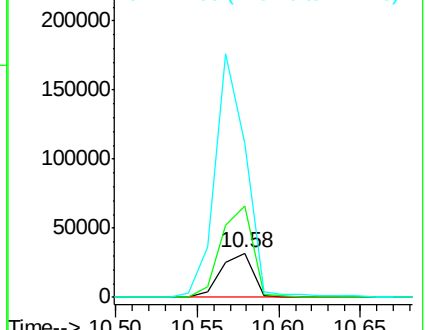
141 345.2 68.2 102.4#



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.84 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF091874.D

Acq: 22 Dec 2016 9:50

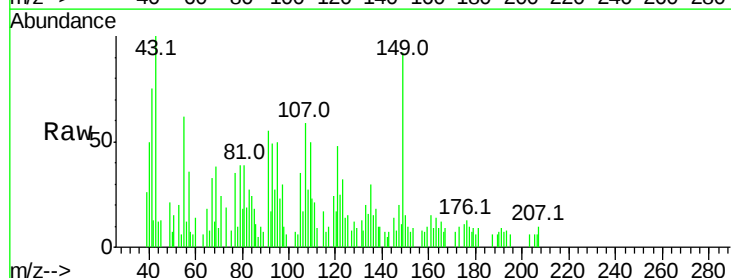
Tgt Ion:149 Resp: 5052

Ion Ratio Lower Upper

149 100

150 16.4 8.1 12.1#

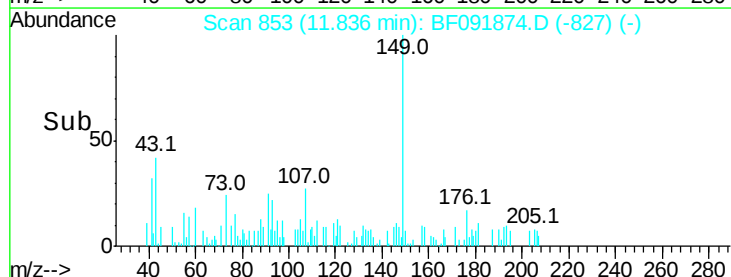
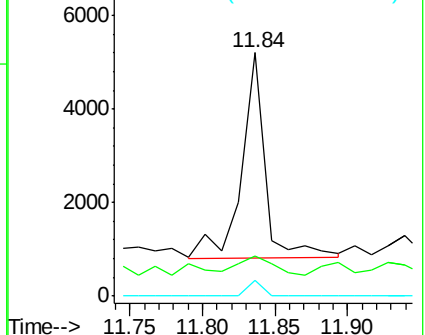
104 6.6 4.6 7.0

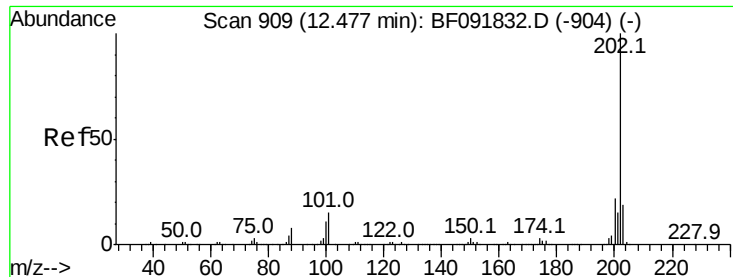


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: Below Cal

RT: 12.38 min Scan# 901

Delta R.T. -0.09 min

Lab File: BF091874.D

Acq: 22 Dec 2016 9:50

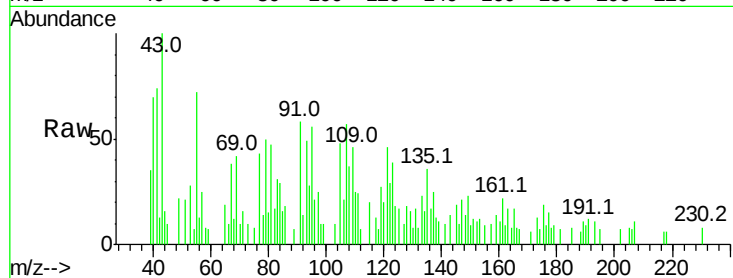
Tot Ion:202 Resp: 441

Ion Ratio Lower Upper

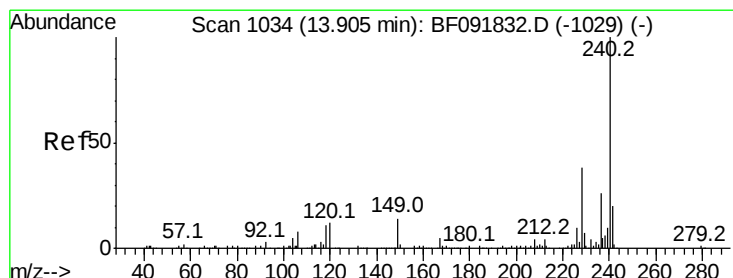
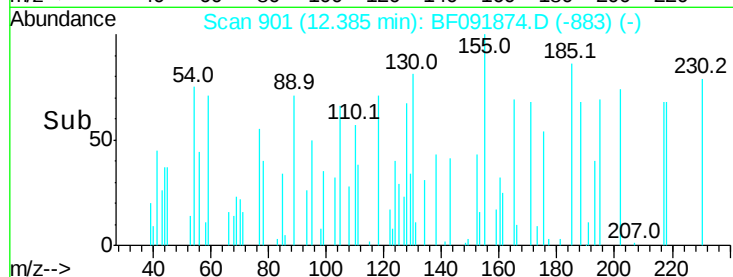
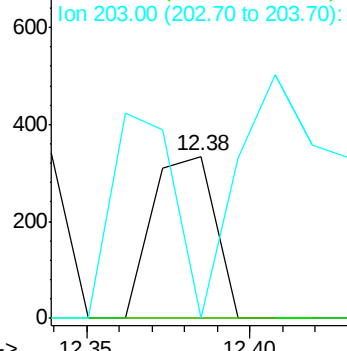
202 100

101 0.0 0.0 34.6

203 0.0 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: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF091874.D

Acq: 22 Dec 2016 9:50

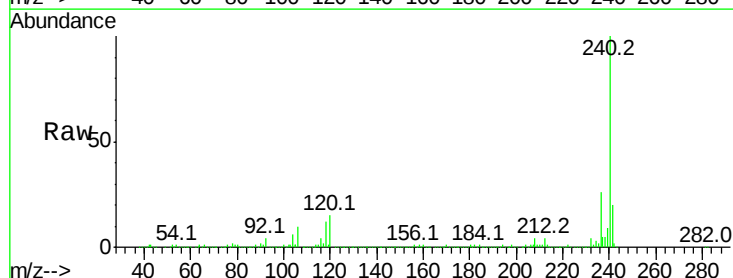
Tgt Ion:240 Resp: 797688

Ion Ratio Lower Upper

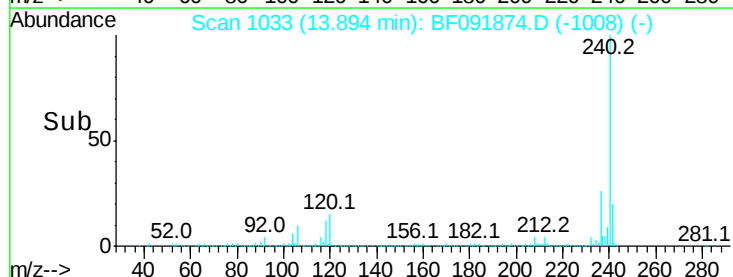
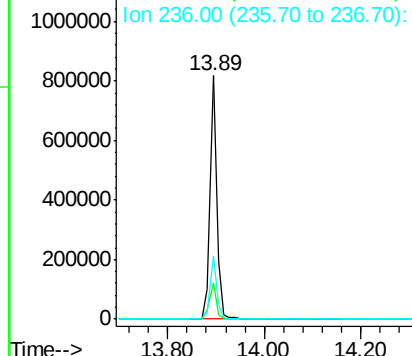
240 100

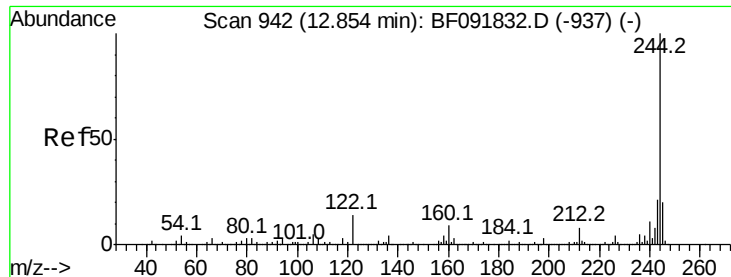
120 14.7 12.9 19.3

236 25.8 20.9 31.3



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





#78

Terphenyl-d14

Concen: 71.21 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091874.D

Acq: 22 Dec 2016 9:50

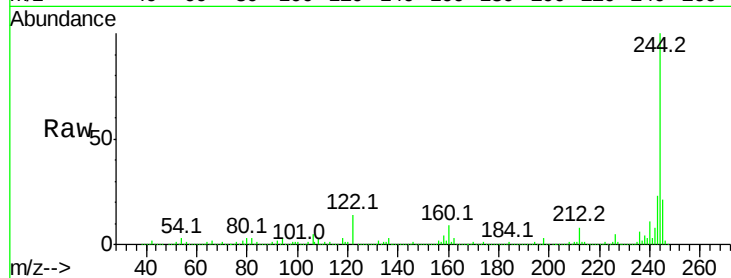
Tot Ion:244 Resp: 2342248

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

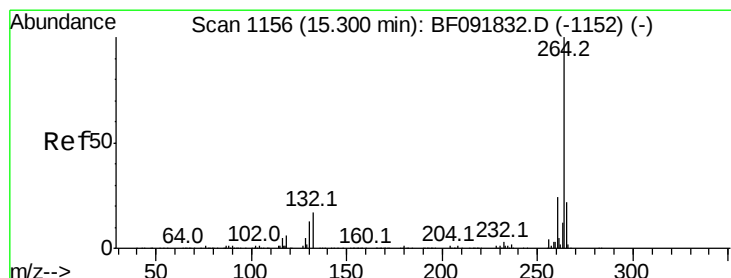
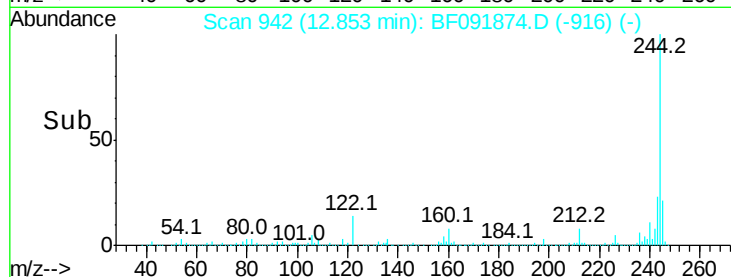
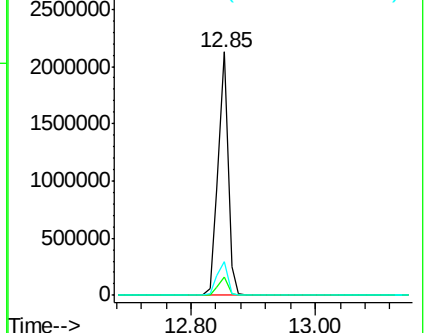
122 13.8 11.4 17.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.29 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF091874.D

Acq: 22 Dec 2016 9:50

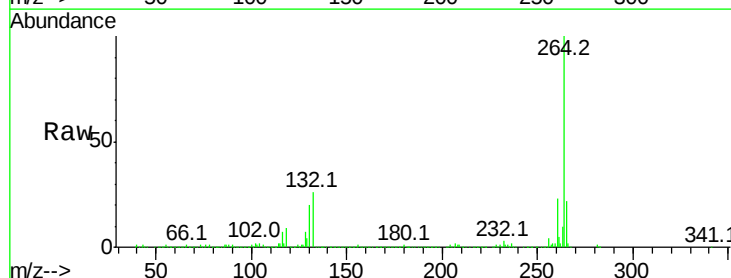
Tgt Ion:264 Resp: 654534

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 22.3 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

