

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122316\
 Data File : BF091925.D
 Acq On : 23 Dec 2016 15:55
 Operator : UM/SJ
 Sample : H5156-23
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB121616

Quant Time: Dec 23 22:05:08 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	6.74	152	195819	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	771705	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	424735	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	698456	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	564042	20.00	ng	-0.02
86) Perylene-d12	15.28	264	447096	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	724335	61.76	ng	0.03
7) Phenol-d6	6.43	99	558384	39.00	ng	0.02
23) Nitrobenzene-d5	7.31	82	1385302	99.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	459306	130.67	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	2076166	102.87	ng	-0.01
78) Terphenyl-d14	12.84	244	2063282	88.72	ng	-0.01

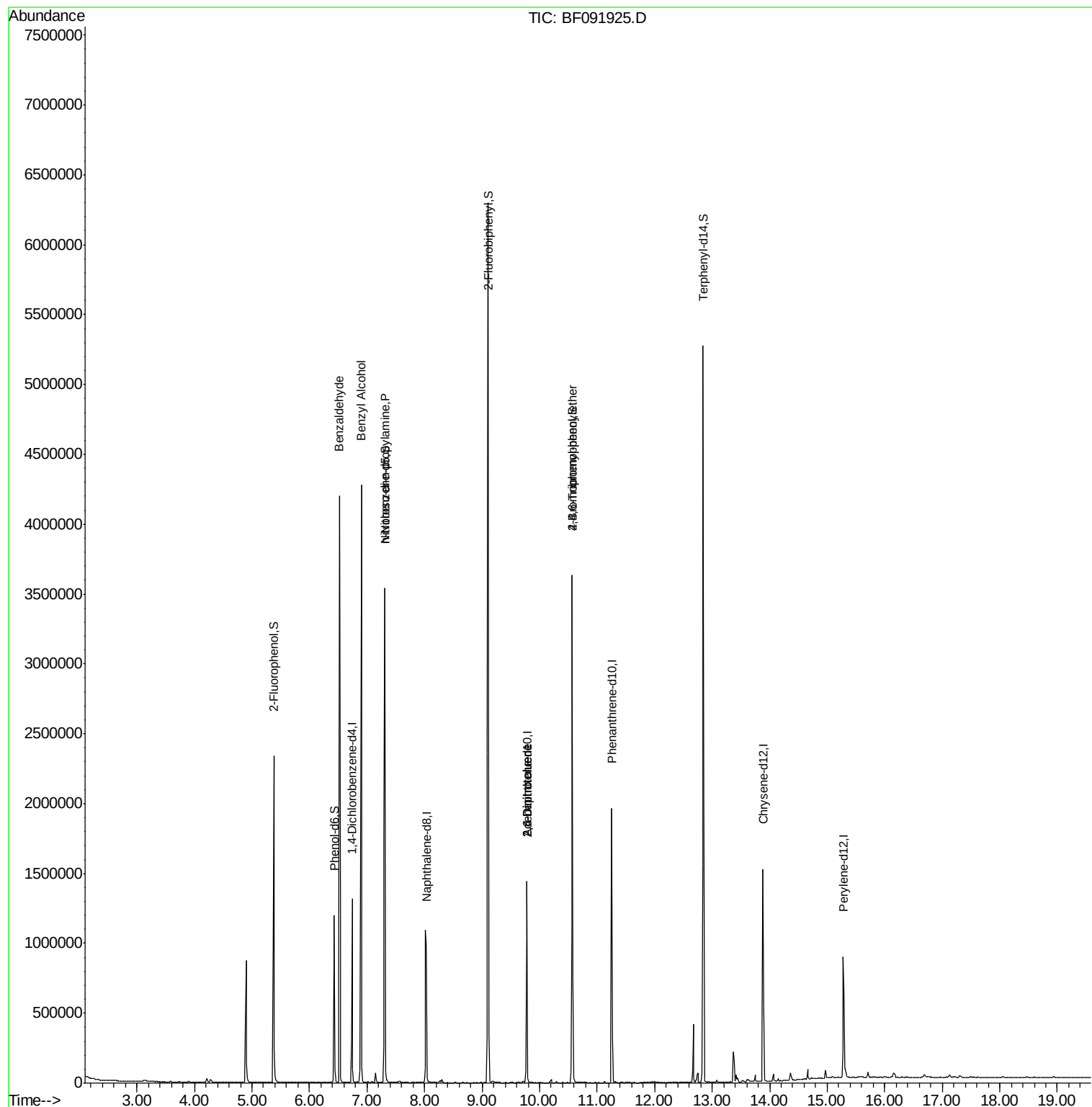
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	28633	2.45	ng	# 70
15) Benzyl Alcohol	6.90	79	22874	2.06	ng	# 34
19) n-Nitroso-di-n-propylamine	7.31	70	190518	20.00	ng	# 76
50) 2,6-Dinitrotoluene	9.78	165	54680	9.20	ng	# 30
56) 2,4-Dinitrotoluene	9.78	165	54680	7.33	ng	# 19
66) 4-Bromophenyl-phenylether	10.57	248	28242	3.89	ng	# 1
71) Anthracene	11.28	178	486	Below Cal		# 59
73) Di-n-butylphthalate	11.82	149	3978	Below Cal		# 93
74) Fluoranthene	12.47	202	616	Below Cal		61

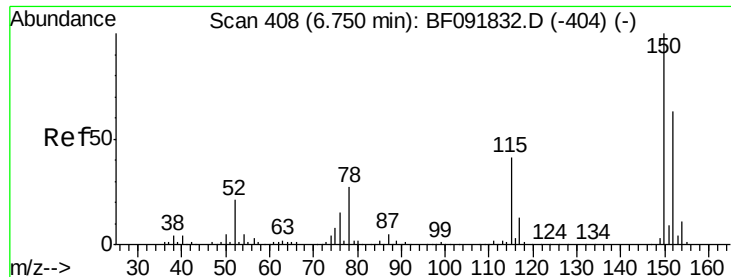
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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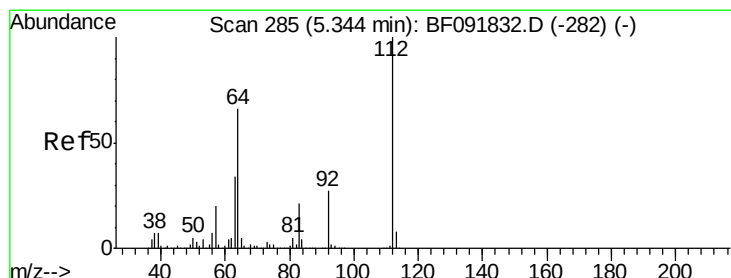
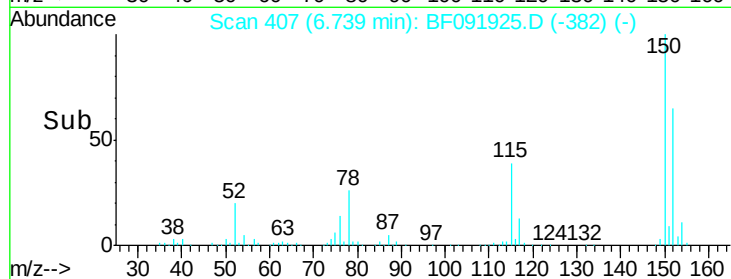
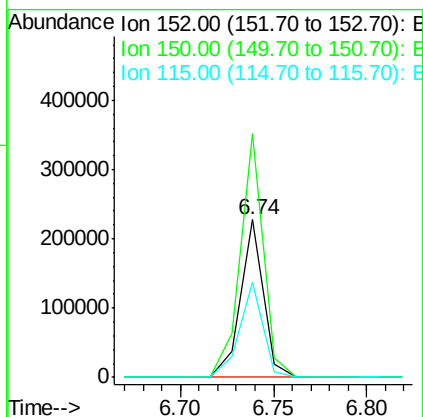
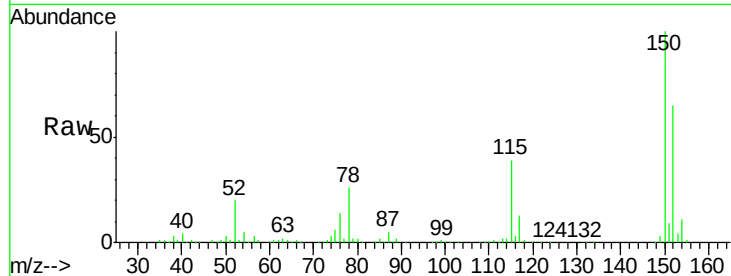




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.74 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: BF091925.D
 Acq: 23 Dec 2016 15:55

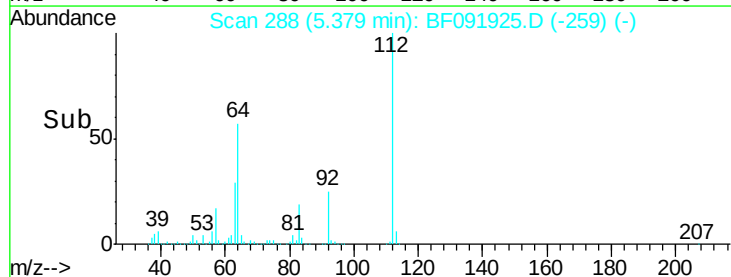
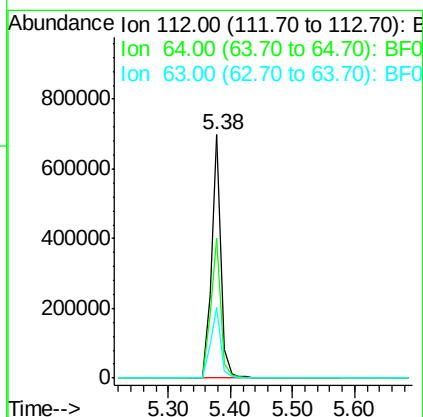
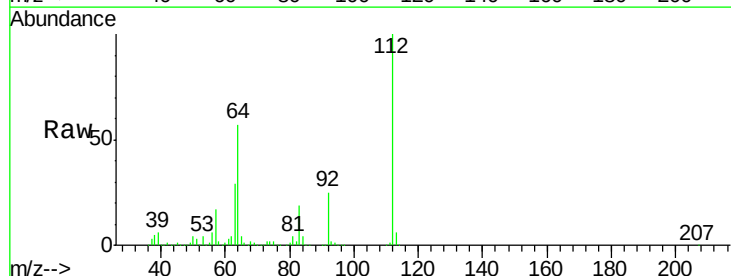
Instrument :
 BNA_F
 ClientSampleId :
 FB121616

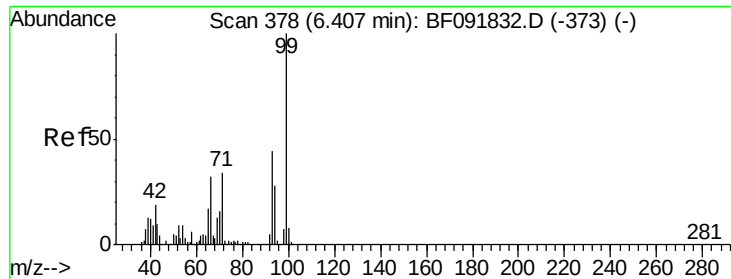
Tgt Ion:152 Resp: 195819
 Ion Ratio Lower Upper
 152 100
 150 154.5 124.9 187.3
 115 60.7 46.0 69.0



#5
 2-Fluorophenol
 Concen: 61.76 ng
 RT: 5.38 min Scan# 288
 Delta R.T. 0.03 min
 Lab File: BF091925.D
 Acq: 23 Dec 2016 15:55

Tgt Ion:112 Resp: 724335
 Ion Ratio Lower Upper
 112 100
 64 57.3 46.1 69.1
 63 29.2 23.8 35.6





#7

Phenol-d6

Concen: 39.00 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.02 min

Lab File: BF091925.D

Acq: 23 Dec 2016 15:55

Instrument :

BNA_F

ClientSampleId :

FB121616

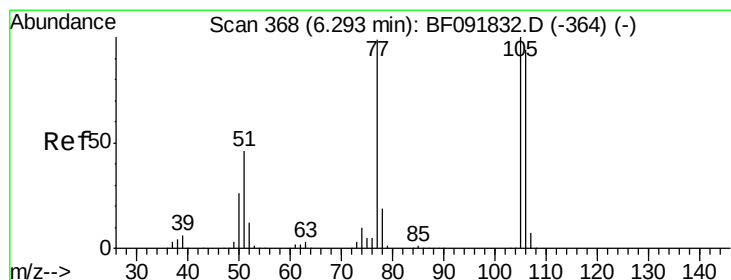
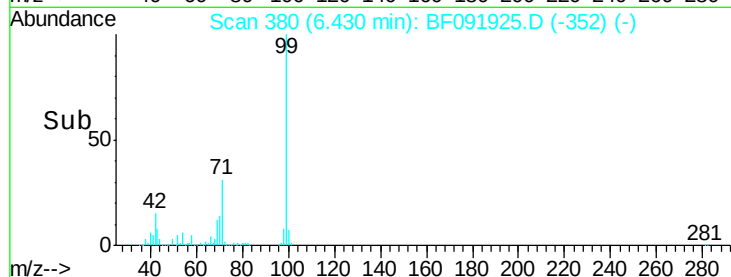
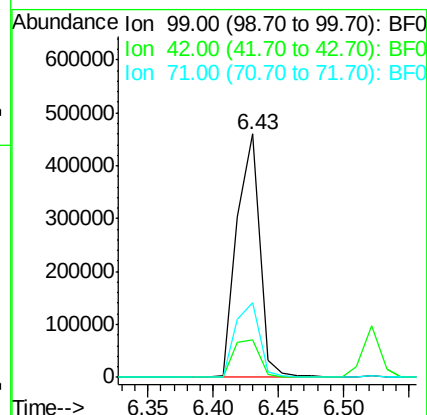
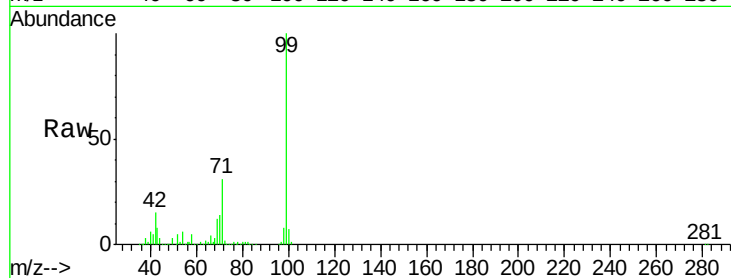
Tgt Ion: 99 Resp: 558384

Ion Ratio Lower Upper

99 100

42 15.2 15.6 23.4#

71 30.7 27.5 41.3



#9

Benzaldehyde

Concen: 2.45 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.23 min

Lab File: BF091925.D

Acq: 23 Dec 2016 15:55

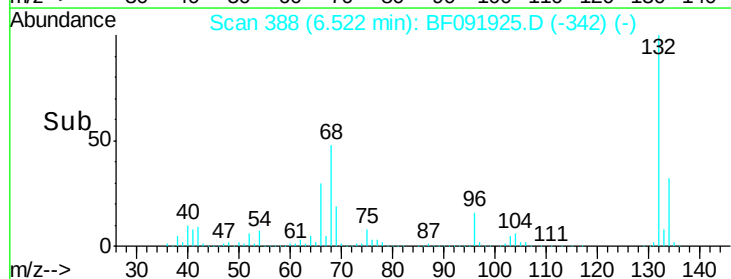
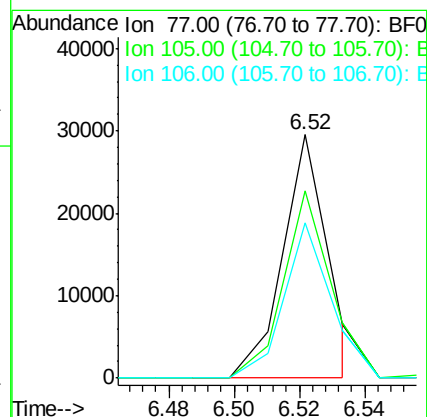
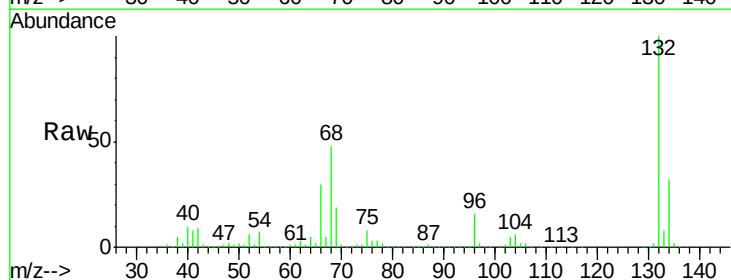
Tgt Ion: 77 Resp: 28633

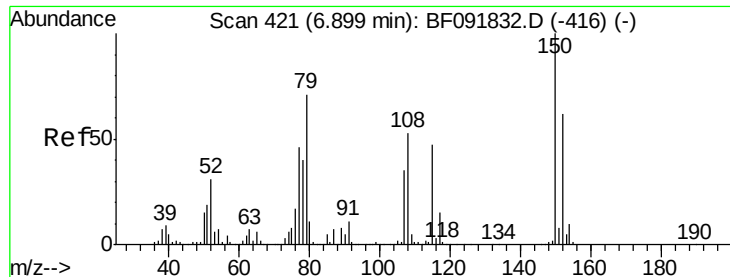
Ion Ratio Lower Upper

77 100

105 77.1 83.9 123.9#

106 64.0 77.6 117.6#





#15

Benzyl Alcohol

Concen: 2.06 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF091925.D

Acq: 23 Dec 2016 15:55

Instrument :

BNA_F

ClientSampleId :

FB121616

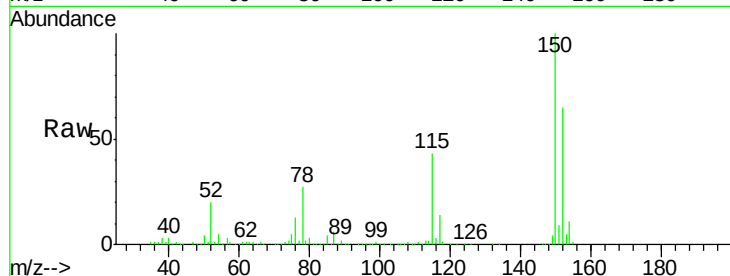
Tgt Ion: 79 Resp: 22874

Ion Ratio Lower Upper

79 100

108 28.4 61.4 92.0#

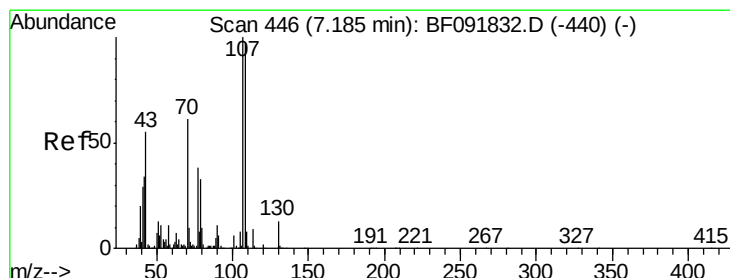
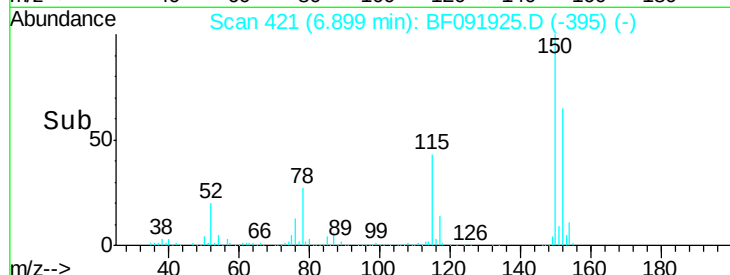
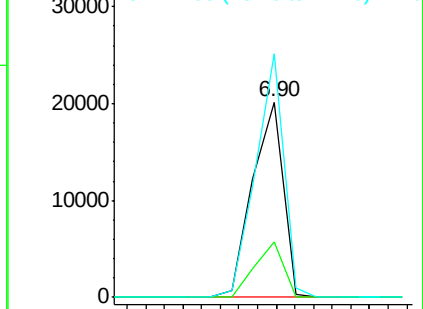
77 124.8 50.9 76.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 20.00 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.13 min

Lab File: BF091925.D

Acq: 23 Dec 2016 15:55

Tgt Ion: 70 Resp: 190518

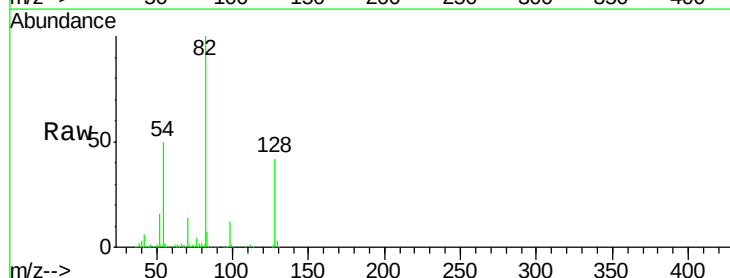
Ion Ratio Lower Upper

70 100

42 45.6 49.4 74.0#

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

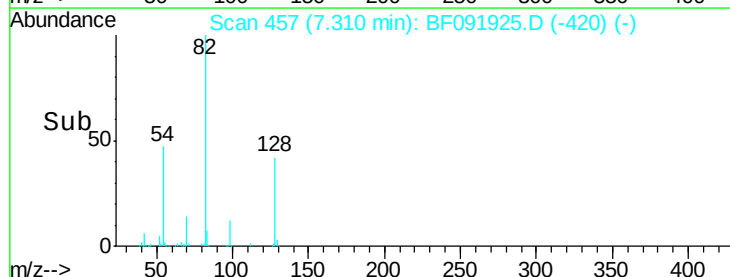
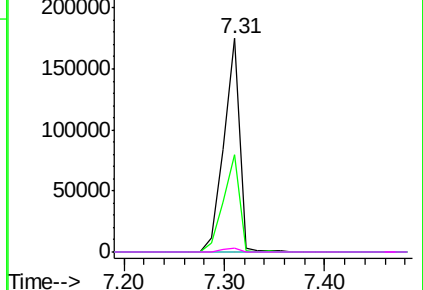


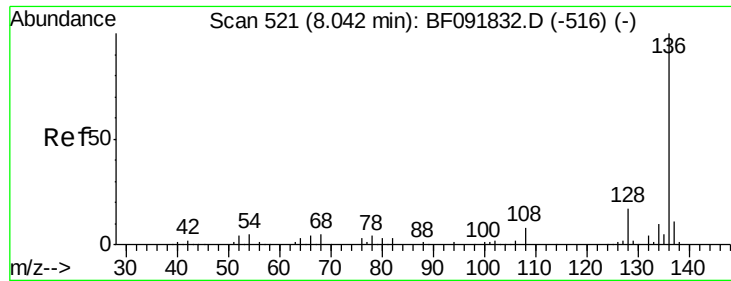
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

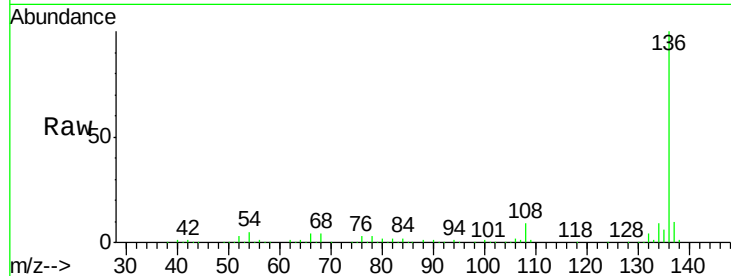




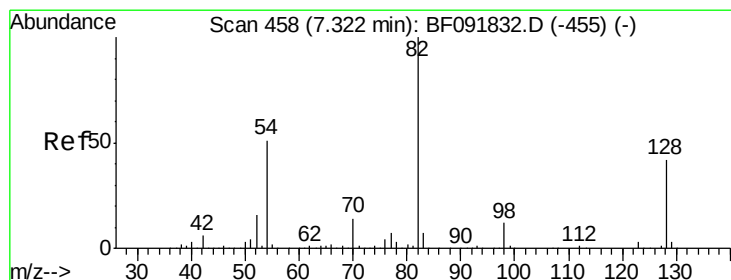
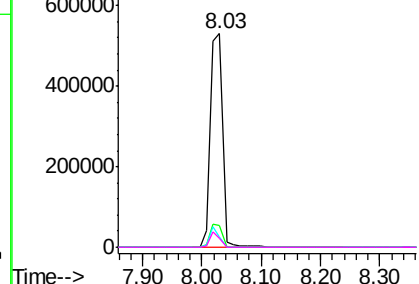
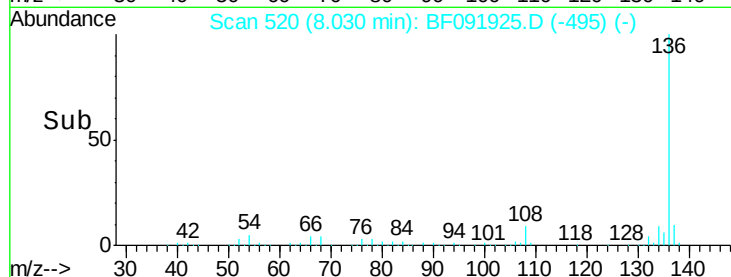
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.01 min
Lab File: BF091925.D
Acq: 23 Dec 2016 15:55

Instrument :
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ClientSampleId :
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Tgt Ion:	136	Resp:	771705
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.4	12.6
54	4.9	4.5	6.7
68	4.3	3.6	5.4

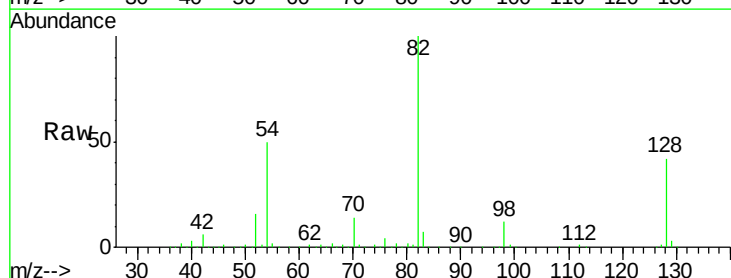


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

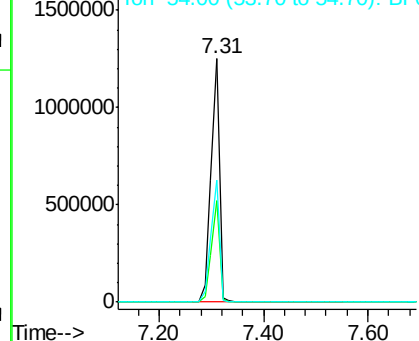
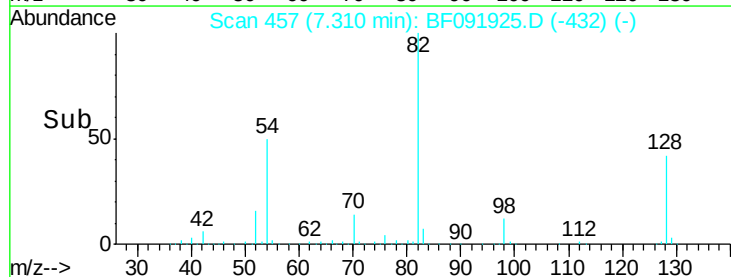


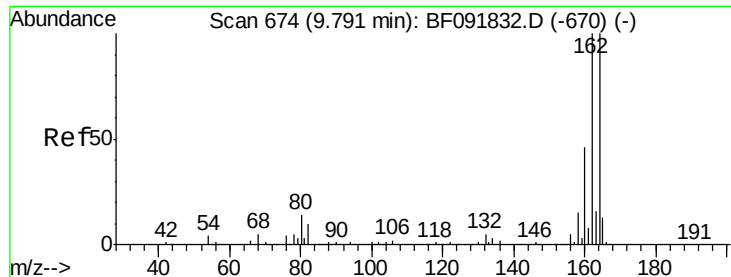
#23
Nitrobenzene-d5
Concen: 99.82 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF091925.D
Acq: 23 Dec 2016 15:55

Tgt Ion:	82	Resp:	1385302
Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.6	52.0
54	50.0	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF091925.D

Acq: 23 Dec 2016 15:55

Instrument :

BNA_F

ClientSampleId :

FB121616

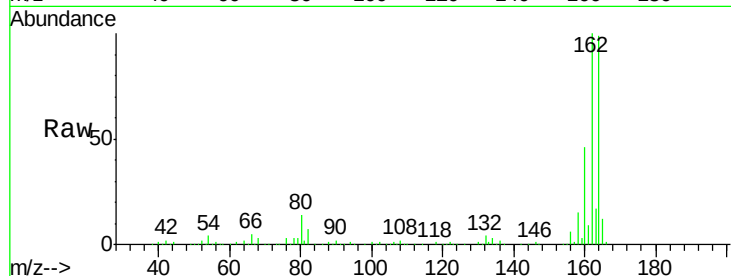
Tgt Ion:164 Resp: 424735

Ion Ratio Lower Upper

164 100

162 100.7 80.2 120.2

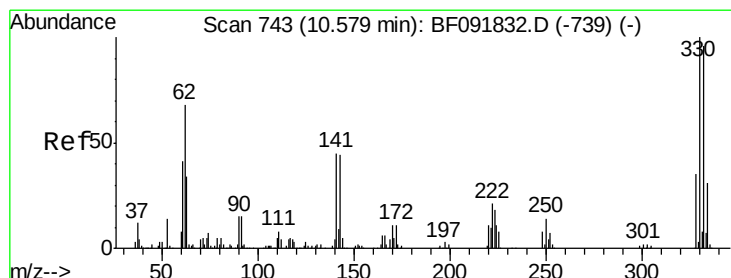
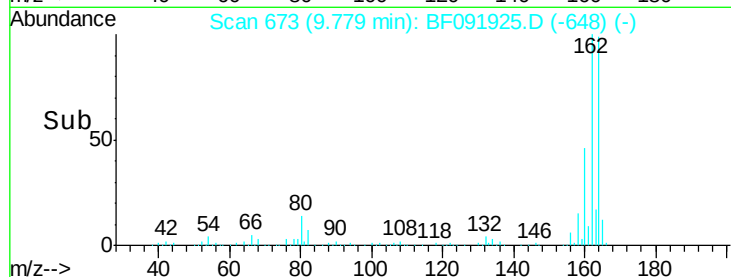
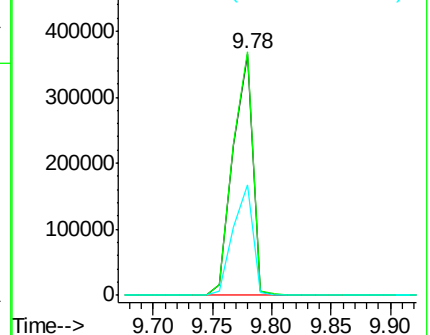
160 45.9 36.9 55.3



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



#41

2,4,6-Tribromophenol

Concen: 130.67 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF091925.D

Acq: 23 Dec 2016 15:55

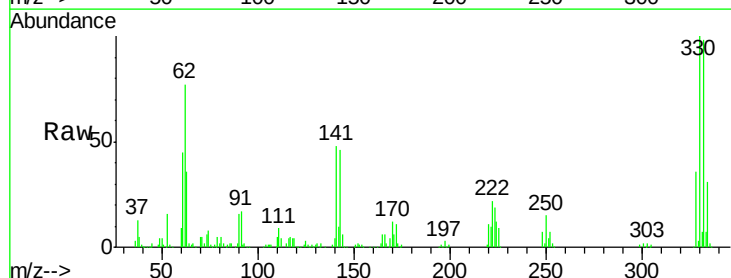
Tgt Ion:330 Resp: 459306

Ion Ratio Lower Upper

330 100

332 97.7 77.4 116.2

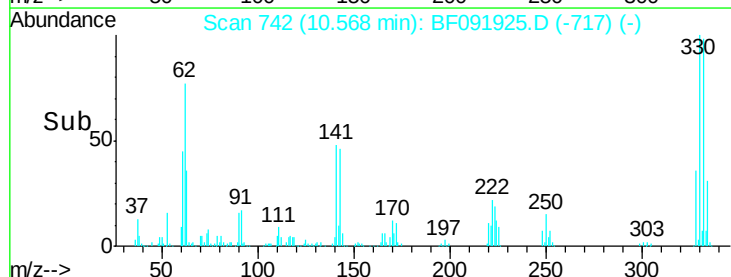
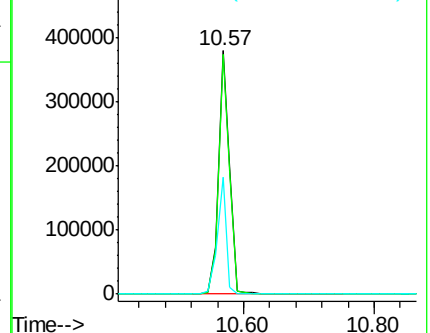
141 39.2 34.1 51.1

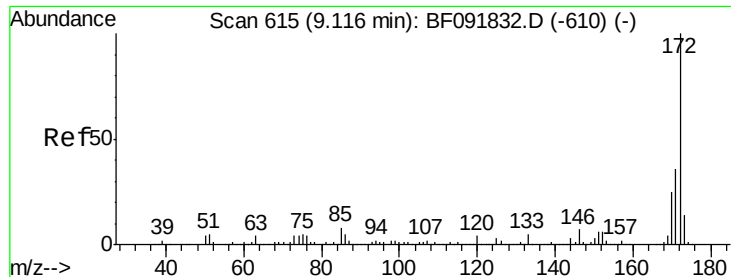


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

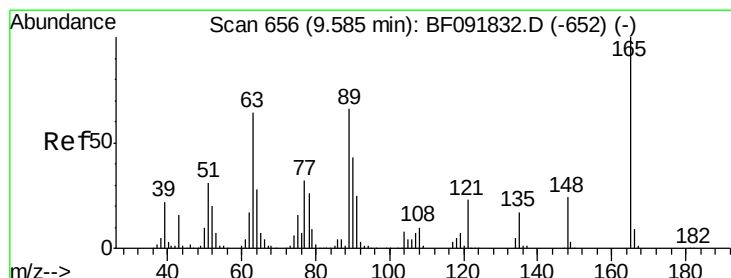
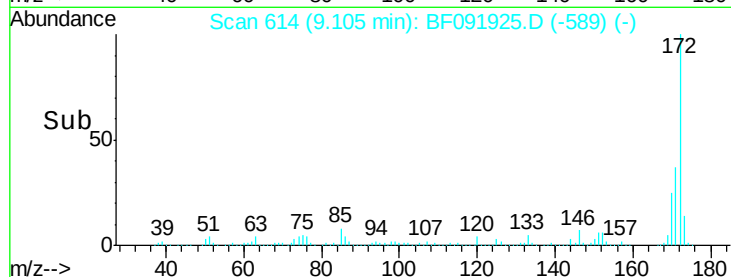
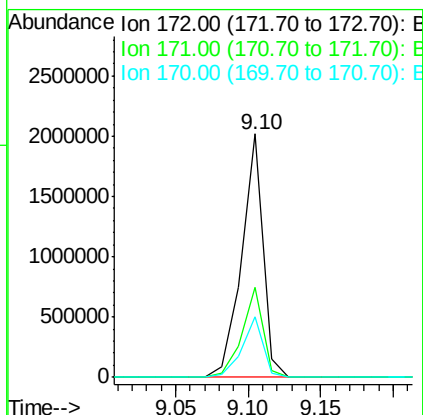
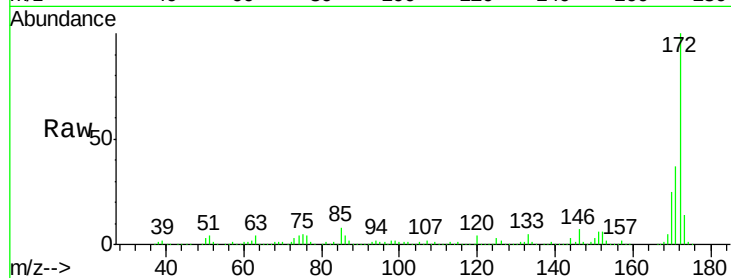




#44
 2-Fluorobiphenyl
 Concen: 102.87 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.01 min
 Lab File: BF091925.D
 Acq: 23 Dec 2016 15:55

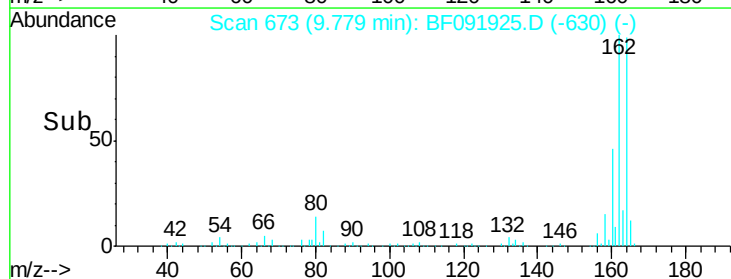
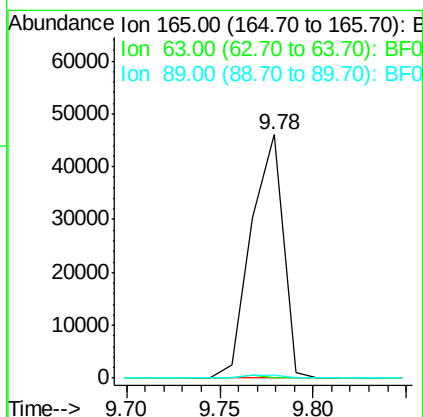
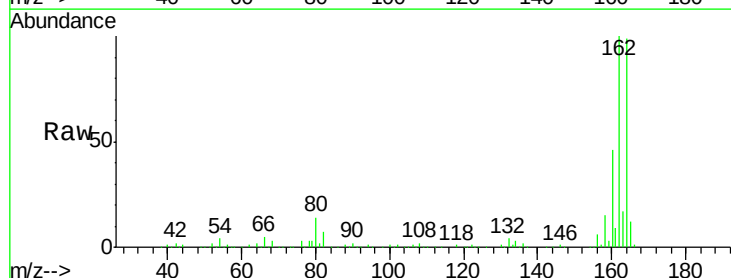
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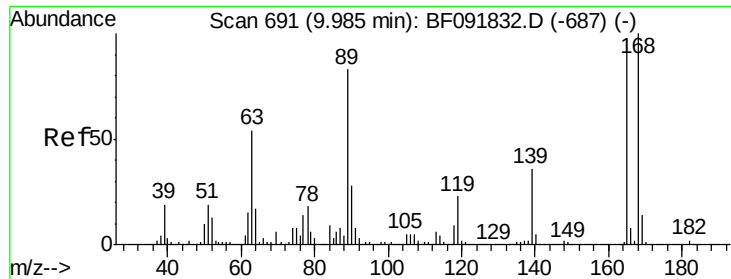
Tgt Ion:172 Resp: 2076166
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 24.9 20.2 30.4



#50
 2,6-Dinitrotoluene
 Concen: 9.20 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.19 min
 Lab File: BF091925.D
 Acq: 23 Dec 2016 15:55

Tgt Ion:165 Resp: 54680
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.2 54.4#
 89 1.0 40.2 60.4#

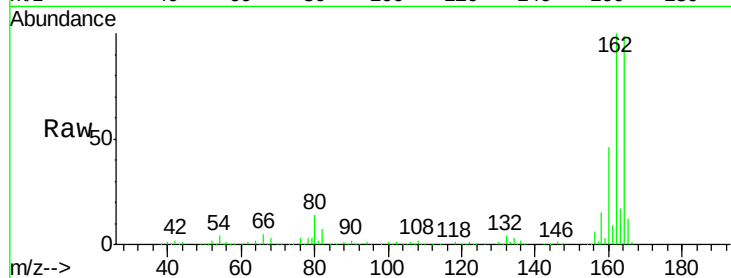




#56
 2,4-Dinitrotoluene
 Concen: 7.33 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.21 min
 Lab File: BF091925.D
 Acq: 23 Dec 2016 15:55

Instrument :
 BNA_F
 ClientSampleId :
 FB121616

Tgt Ion:	165	Resp:	54680
Ion	Ratio	Lower	Upper
165	100		
63	0.0	40.2	60.4#
89	1.0	62.5	93.7#
182	0.0	1.8	2.8#

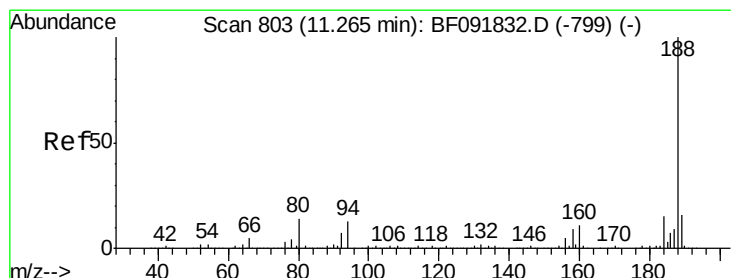
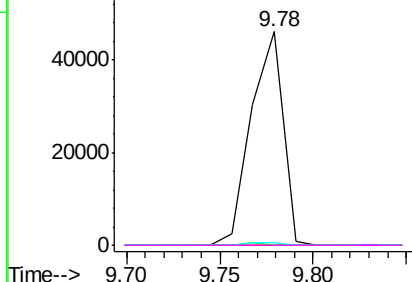
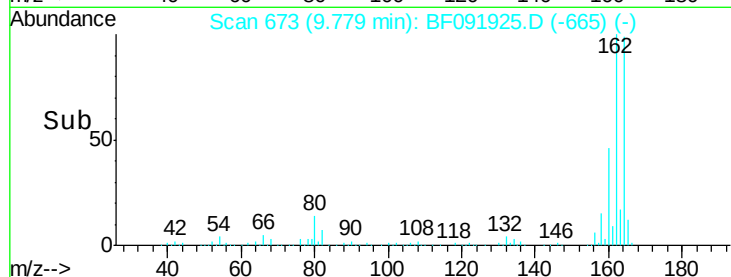


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

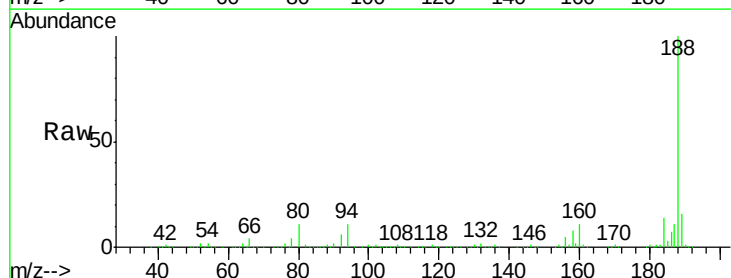
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF091925.D
 Acq: 23 Dec 2016 15:55

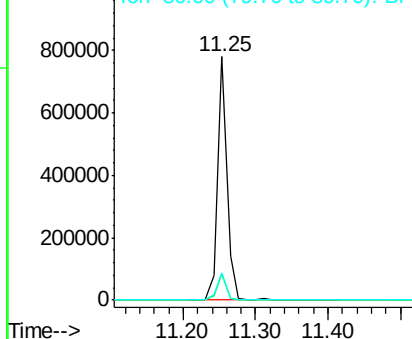
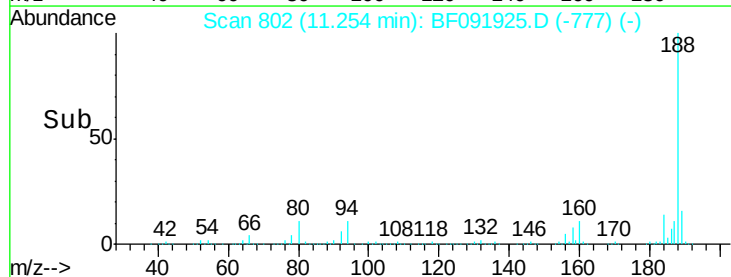
Tgt Ion:	188	Resp:	698456
Ion	Ratio	Lower	Upper
188	100		
94	10.6	10.0	15.0
80	11.3	11.2	16.8

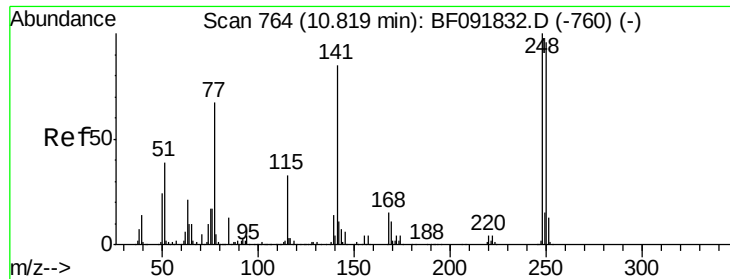


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

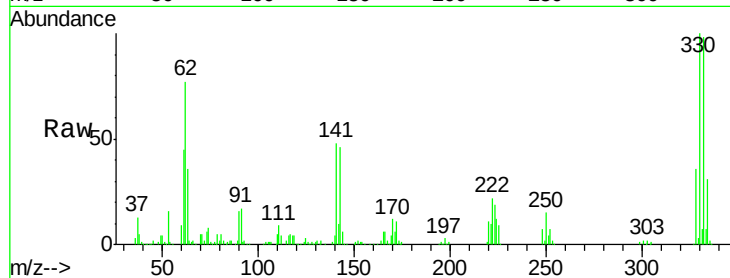




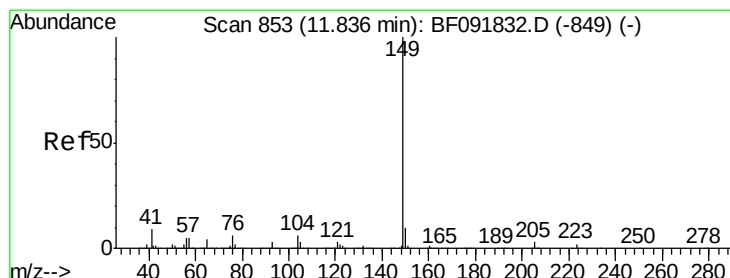
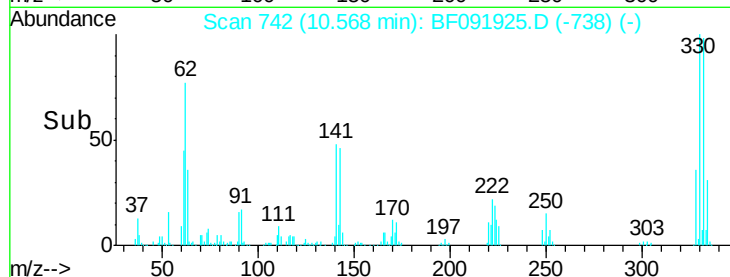
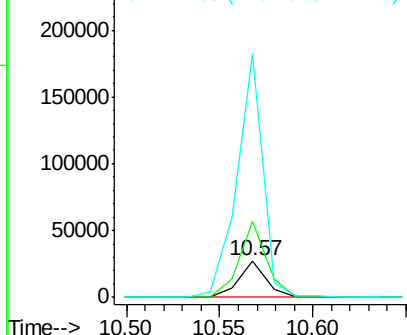
#66
 4-Bromophenyl-phenylether
 Concen: 3.89 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.25 min
 Lab File: BF091925.D
 Acq: 23 Dec 2016 15:55

Instrument :
 BNA_F
 ClientSampleId :
 FB121616

Tgt Ion:248 Resp: 28242
 Ion Ratio Lower Upper
 248 100
 250 206.0 76.9 115.3#
 141 665.2 68.2 102.4#

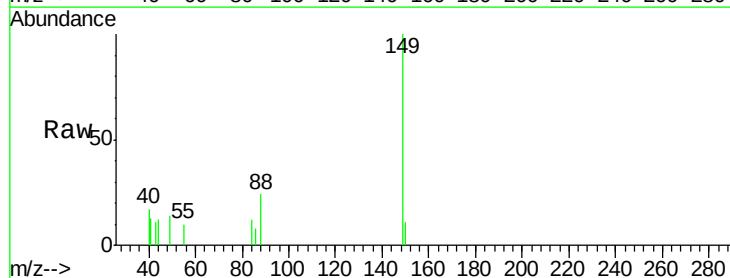


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

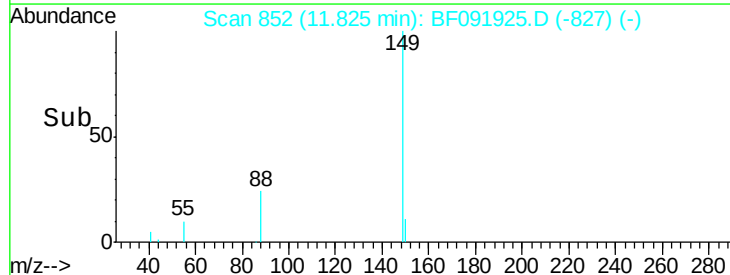
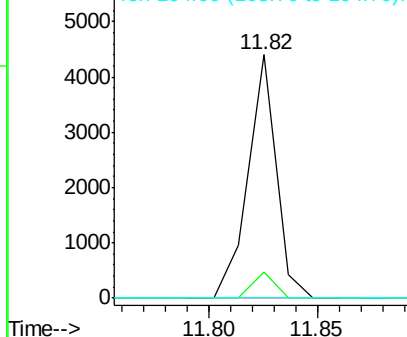


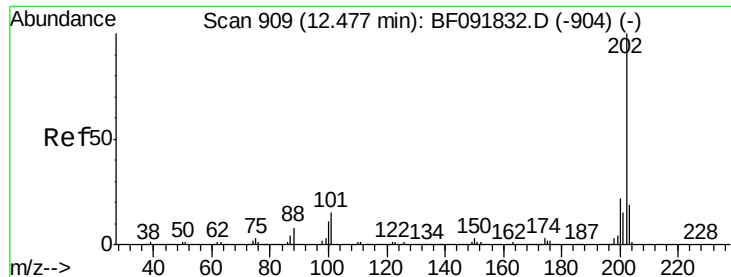
#73
 Di-n-butylphthalate
 Concen: Below Cal
 RT: 11.82 min Scan# 852
 Delta R.T. -0.01 min
 Lab File: BF091925.D
 Acq: 23 Dec 2016 15:55

Tgt Ion:149 Resp: 3978
 Ion Ratio Lower Upper
 149 100
 150 10.8 8.1 12.1
 104 0.0 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: 12.47 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF091925.D

Acq: 23 Dec 2016 15:55

Instrument :

BNA_F

ClientSampleId :

FB121616

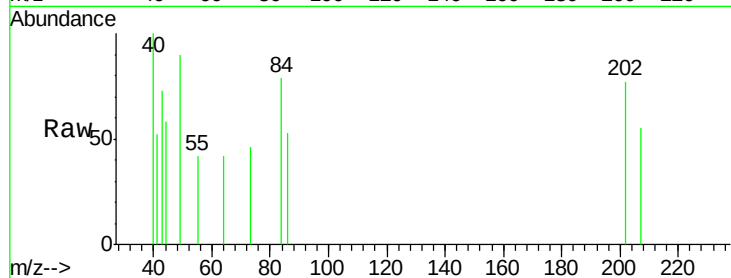
Tgt Ion: 202 Resp: 616

Ion Ratio Lower Upper

202 100

101 0.0 0.0 34.6

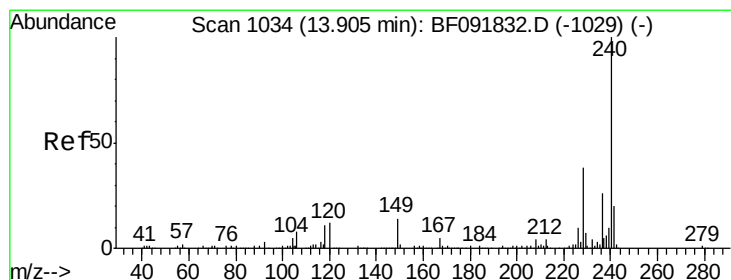
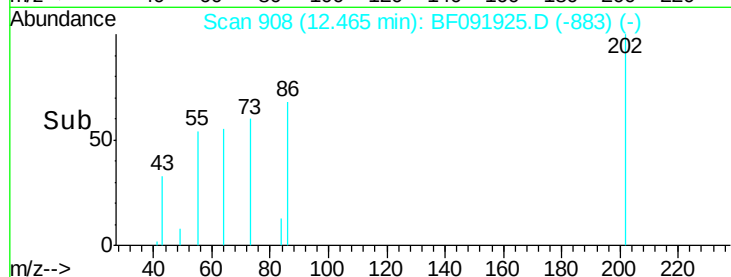
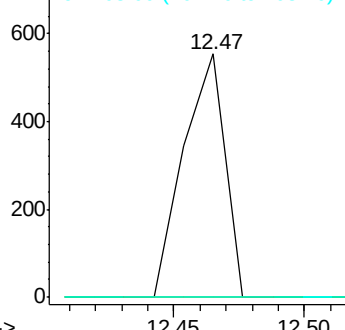
203 0.0 0.0 38.7



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: 13.88 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF091925.D

Acq: 23 Dec 2016 15:55

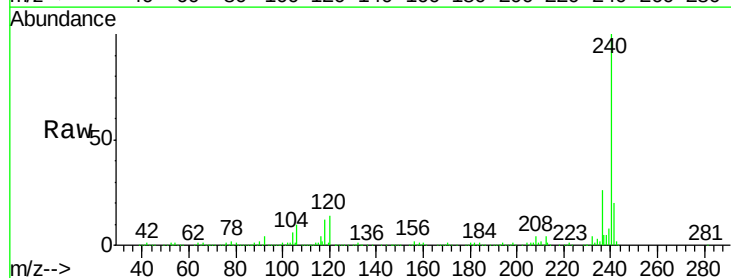
Tgt Ion: 240 Resp: 564042

Ion Ratio Lower Upper

240 100

120 13.8 12.9 19.3

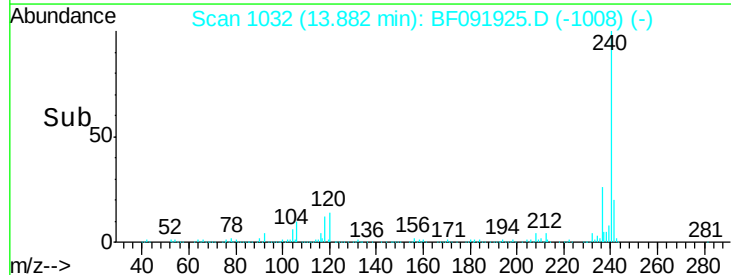
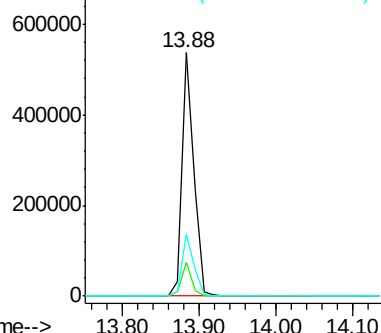
236 25.6 20.9 31.3

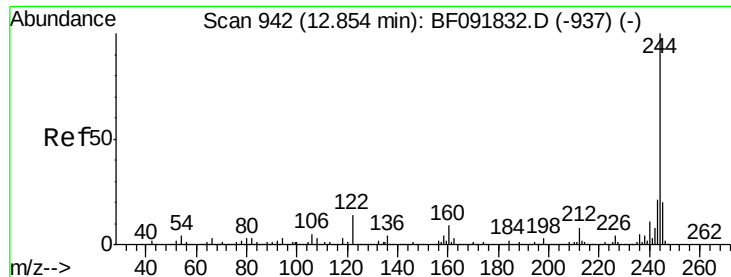


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

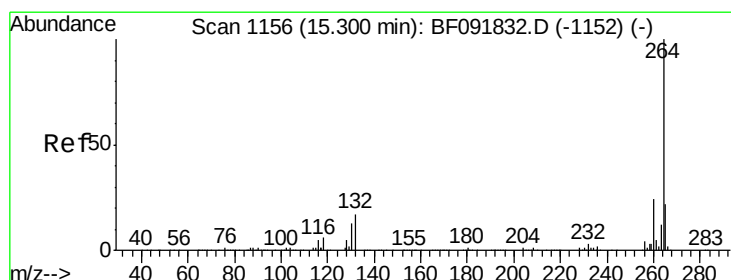
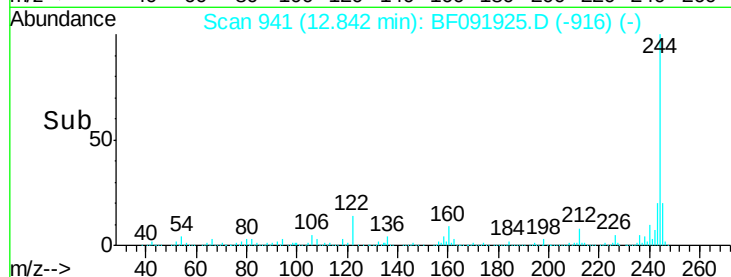
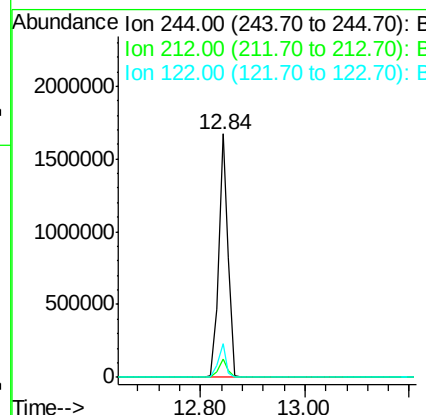
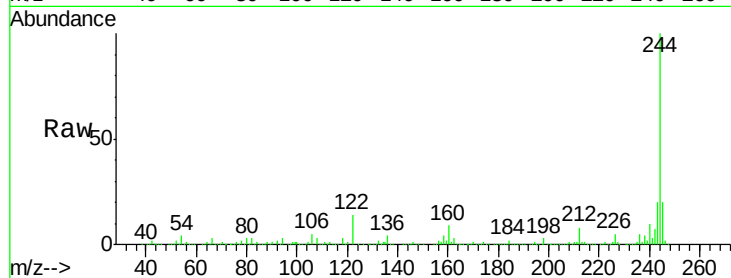




#78
 Terphenyl-d14
 Concen: 88.72 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF091925.D
 Acq: 23 Dec 2016 15:55

Instrument :
 BNA_F
 ClientSampleId :
 FB121616

Tgt Ion:244 Resp: 2063282
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.2 9.2
 122 13.8 11.4 17.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: BF091925.D
 Acq: 23 Dec 2016 15:55

Tgt Ion:264 Resp: 447096
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.9 17.4 26.0

