

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122816\
 Data File : BF092001.D
 Acq On : 28 Dec 2016 18:24
 Operator : UM/SJ
 Sample : H6245-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIP-12

Quant Time: Dec 29 00:40:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 28 17:32:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	204759	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	804021	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	403234	20.00	ng	-0.01
63) Phenanthrene-d10	11.22	188	635373	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	480188	20.00	ng	-0.01
86) Perylene-d12	15.24	264	350413	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	812983	66.30	ng	-0.01
7) Phenol-d6	6.36	99	631503	42.18	ng	-0.02
23) Nitrobenzene-d5	7.28	82	1481539	102.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	421872	126.42	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	2347456	125.41	ng	-0.01
78) Terphenyl-d14	12.82	244	1959358	98.96	ng	0.00

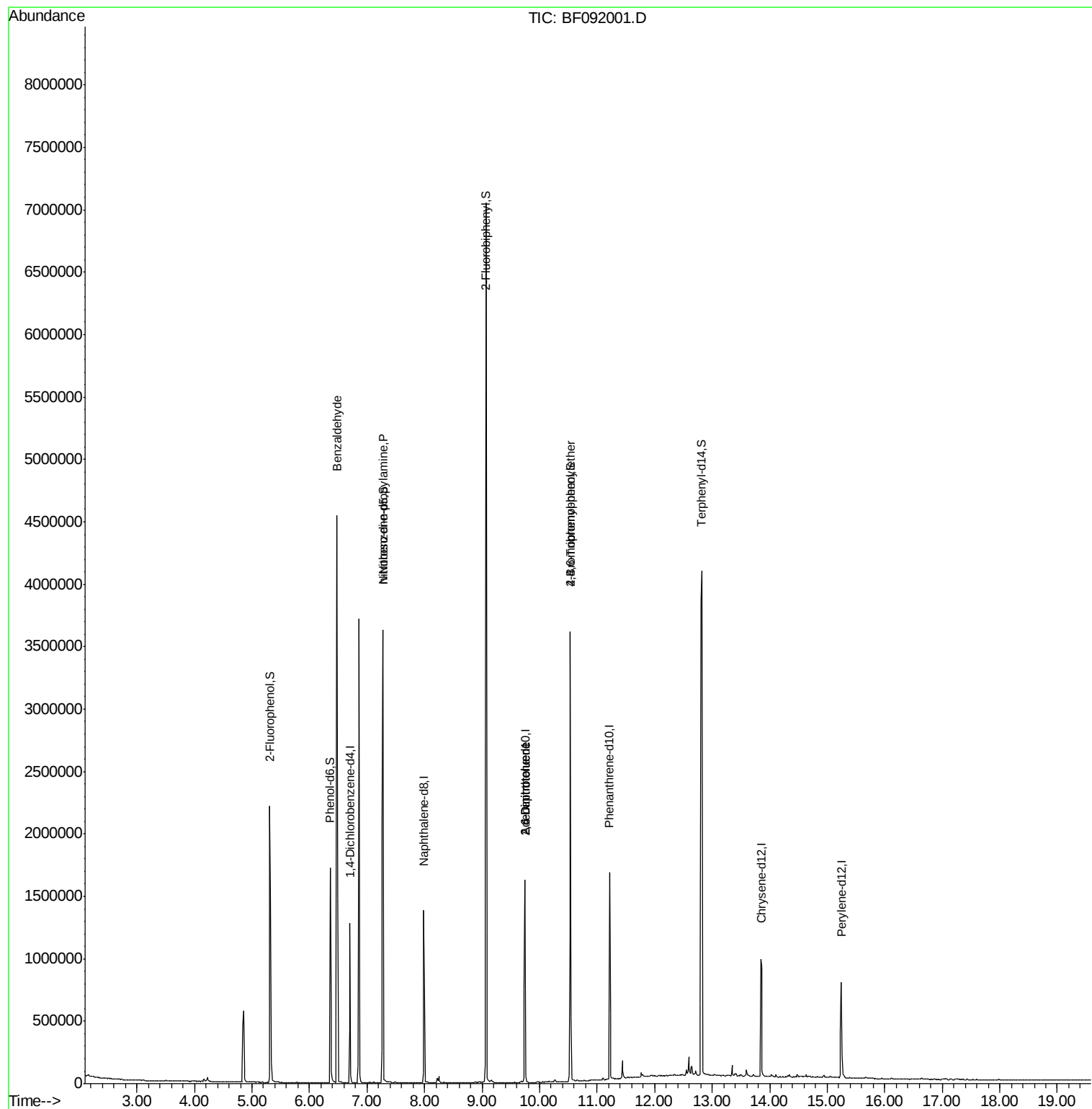
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.48	77	30337	2.49	ng	# 66
19) n-Nitroso-di-n-propylamine	7.28	70	201031	20.18	ng	# 74
37) 2-Methylnaphthalene	8.70	142	342	Below Cal		# 69
50) 2,6-Dinitrotoluene	9.74	165	50760	8.99	ng	# 30
56) 2,4-Dinitrotoluene	9.74	165	50760	7.16	ng	# 19
66) 4-Bromophenyl-phenylether	10.53	248	27678	4.19	ng	# 1
71) Anthracene	11.30	178	1706	Below Cal		# 76
73) Di-n-butylphthalate	11.79	149	5907	Below Cal		# 85
74) Fluoranthene	12.43	202	948	Below Cal		# 61

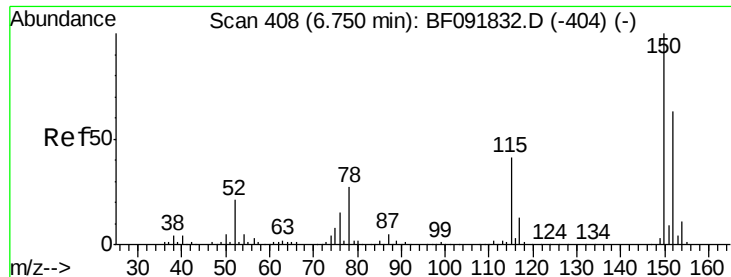
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF092001.D

Acq: 28 Dec 2016 18:24

Instrument :

BNA_F

ClientSampleId :

LIP-12

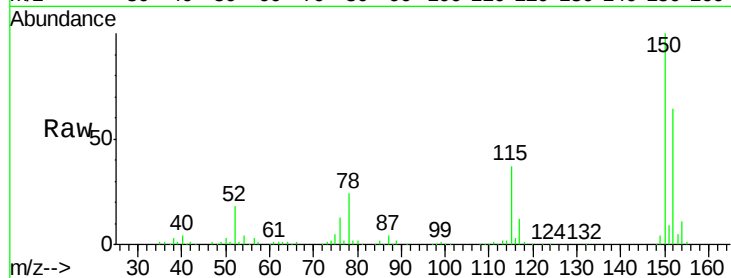
Tgt Ion:152 Resp: 204759

Ion Ratio Lower Upper

152 100

150 155.2 124.9 187.3

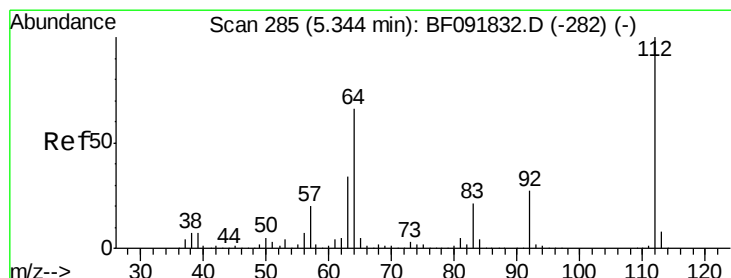
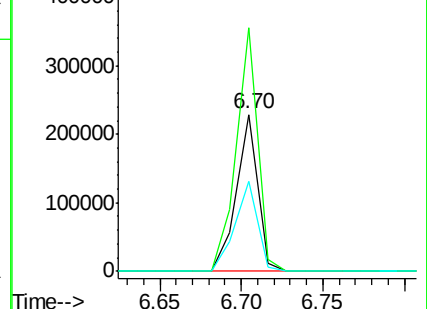
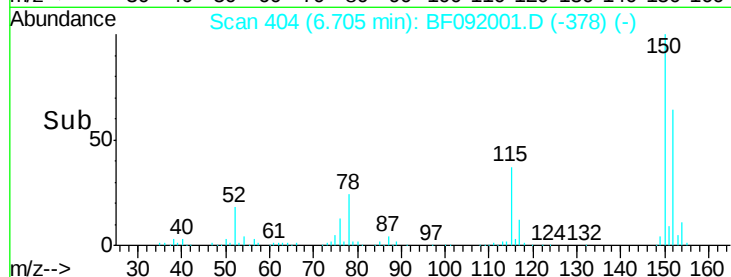
115 57.2 46.0 69.0



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: 66.30 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: BF092001.D

Acq: 28 Dec 2016 18:24

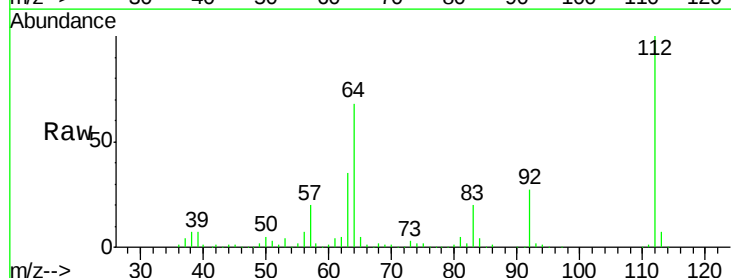
Tgt Ion:112 Resp: 812983

Ion Ratio Lower Upper

112 100

64 68.4 46.1 69.1

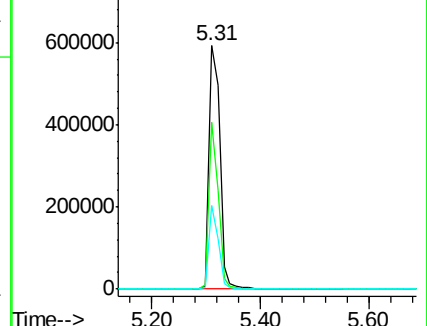
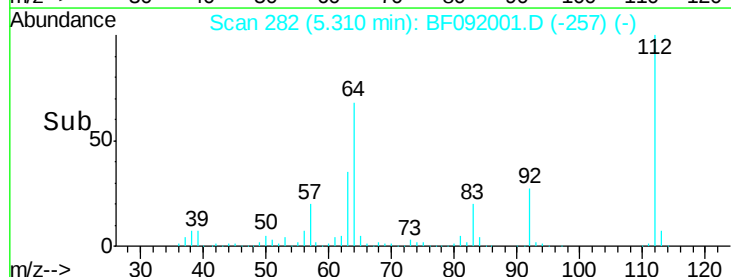
63 34.6 23.8 35.6

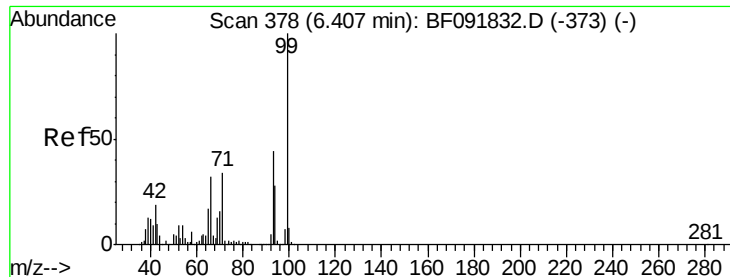


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.18 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF092001.D

Acq: 28 Dec 2016 18:24

Instrument :

BNA_F

ClientSampleId :

LIP-12

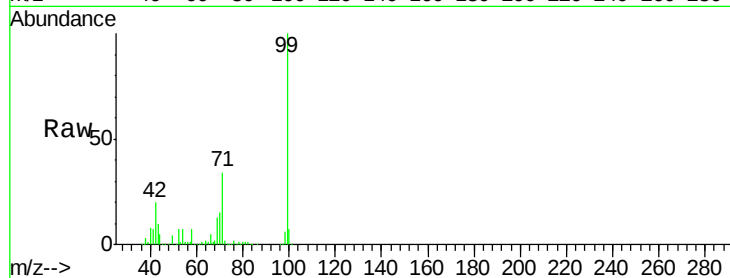
Tgt Ion: 99 Resp: 631503

Ion Ratio Lower Upper

99 100

42 19.6 15.6 23.4

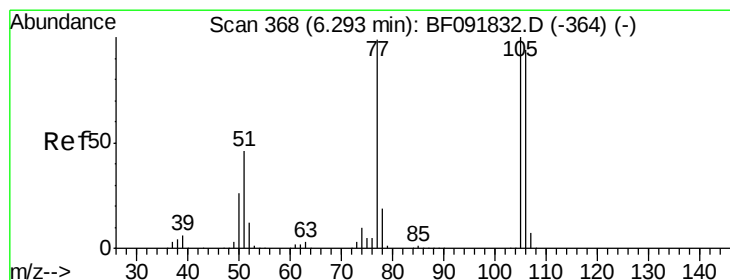
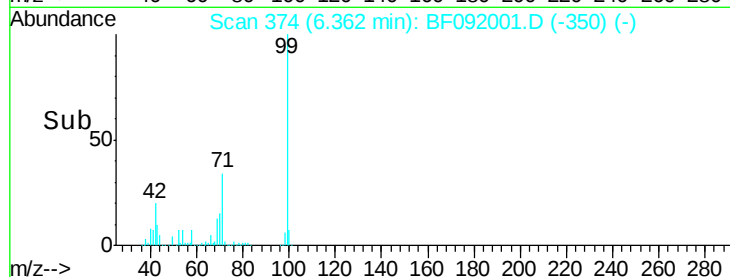
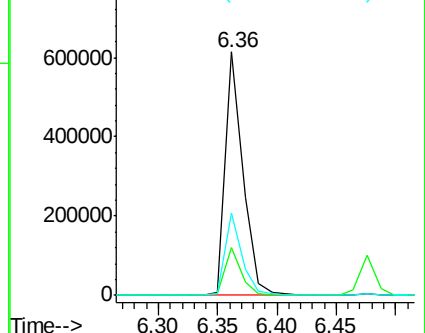
71 33.6 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.49 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.23 min

Lab File: BF092001.D

Acq: 28 Dec 2016 18:24

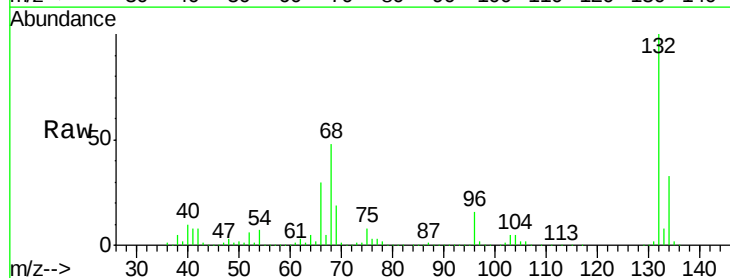
Tgt Ion: 77 Resp: 30337

Ion Ratio Lower Upper

77 100

105 71.5 83.9 123.9#

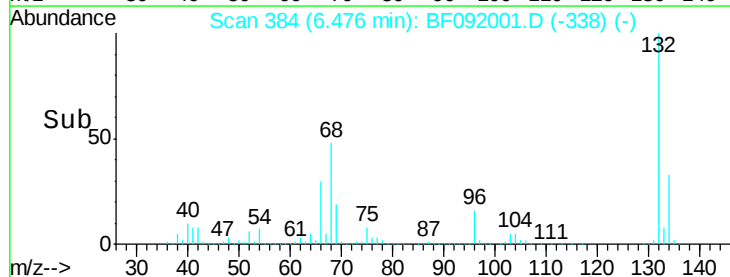
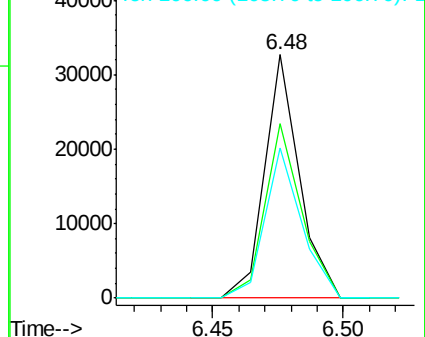
106 61.5 77.6 117.6#

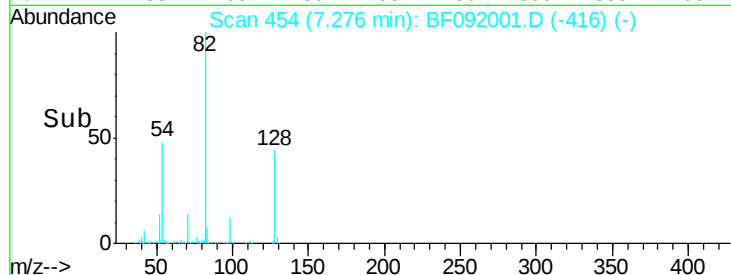
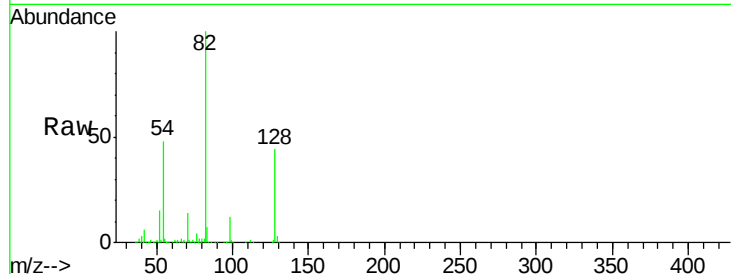
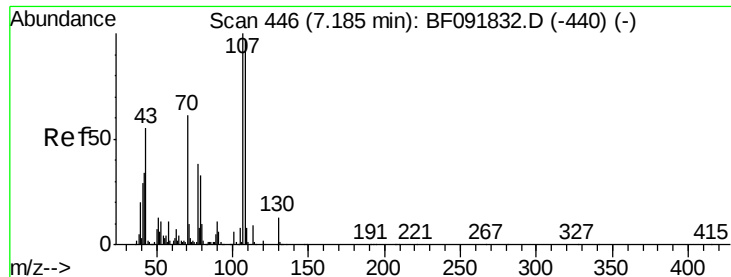


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

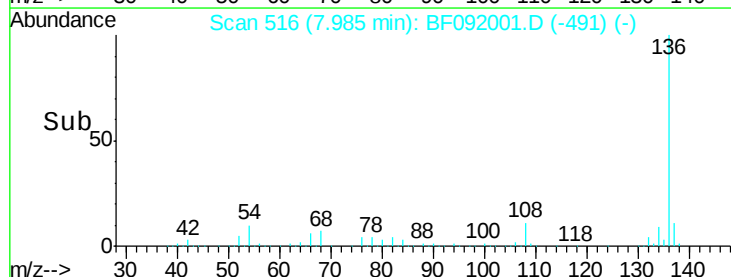
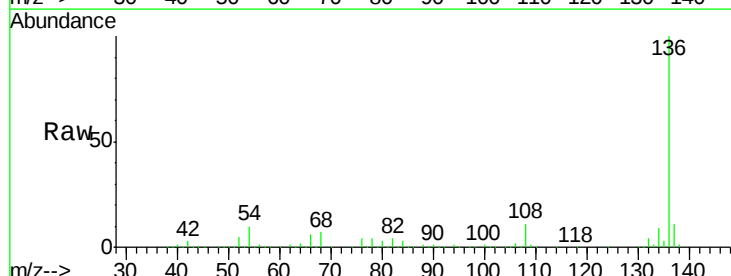
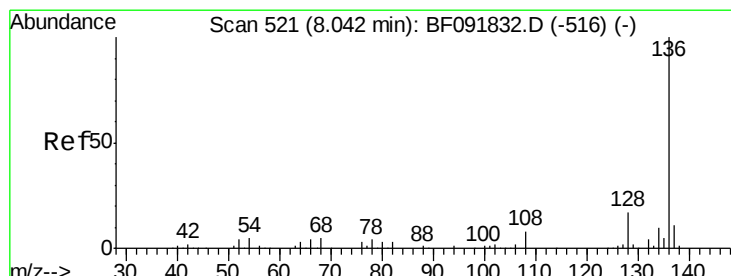
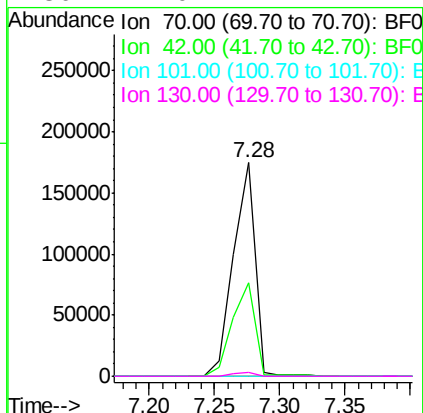




#19
n-Nitroso-di-n-propylamine
Concen: 20.18 ng
RT: 7.28 min Scan# 454
Delta R.T. 0.14 min
Lab File: BF092001.D
Acq: 28 Dec 2016 18:24

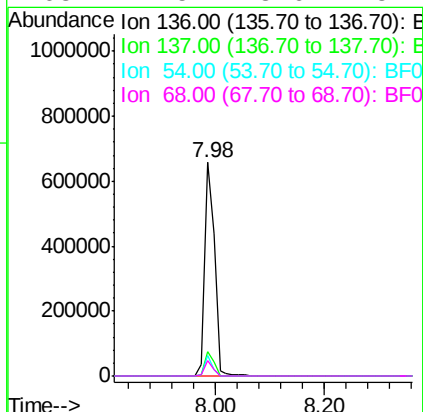
Instrument :
BNA_F
ClientSampleId :
LIP-12

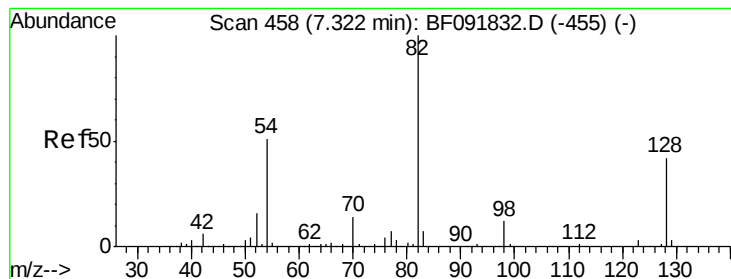
Tgt Ion:	70	Resp:	201031
Ion	Ratio	Lower	Upper
70	100		
42	43.6	49.4	74.0#
101	0.0	7.4	11.2#
130	2.0	14.2	21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.01 min
Lab File: BF092001.D
Acq: 28 Dec 2016 18:24

Tgt Ion:	136	Resp:	804021
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	9.6	4.5	6.7#
68	7.5	3.6	5.4#





#23

Nitrobenzene-d5

Concen: 102.46 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF092001.D

Acq: 28 Dec 2016 18:24

Instrument :

BNA_F

ClientSampleId :

LIP-12

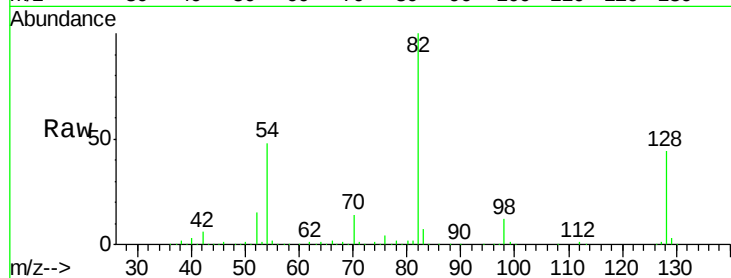
Tgt Ion: 82 Resp: 1481539

Ion Ratio Lower Upper

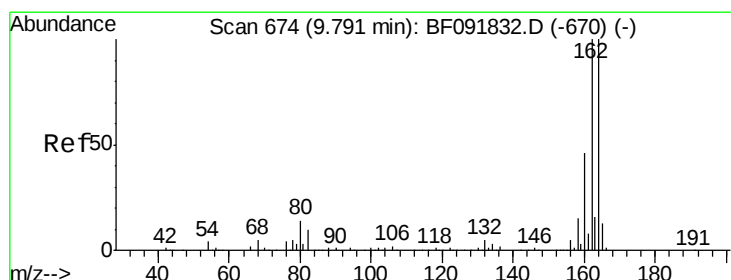
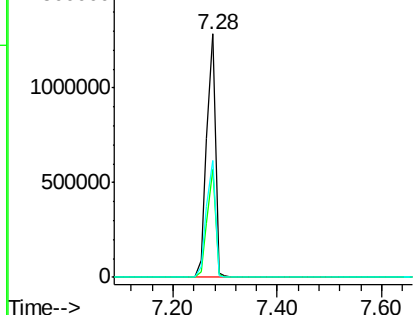
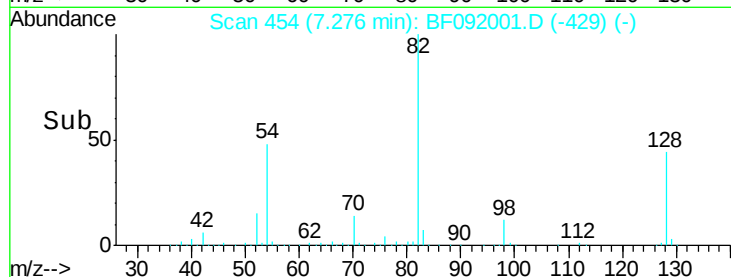
82 100

128 44.5 34.6 52.0

54 48.1 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: 9.74 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF092001.D

Acq: 28 Dec 2016 18:24

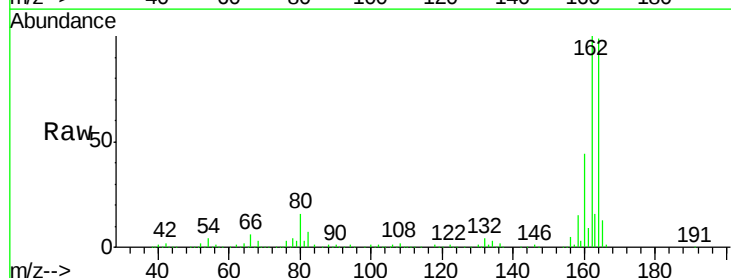
Tgt Ion: 164 Resp: 403234

Ion Ratio Lower Upper

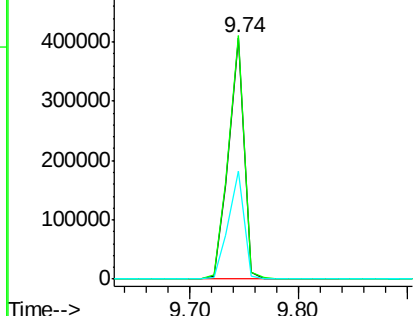
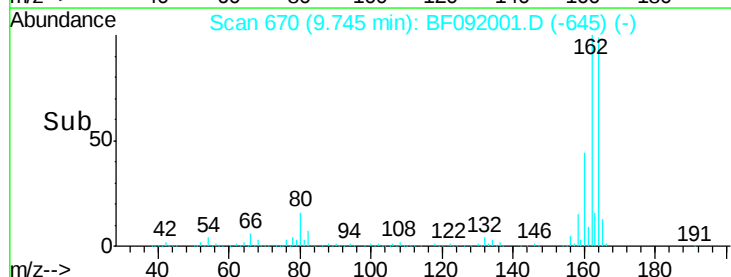
164 100

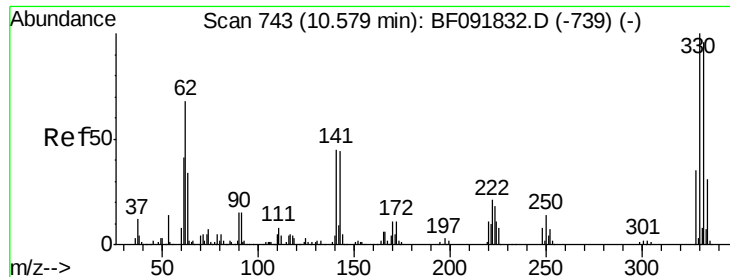
162 100.8 80.2 120.2

160 44.8 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

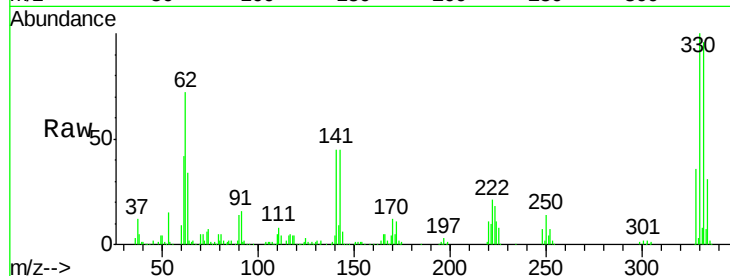




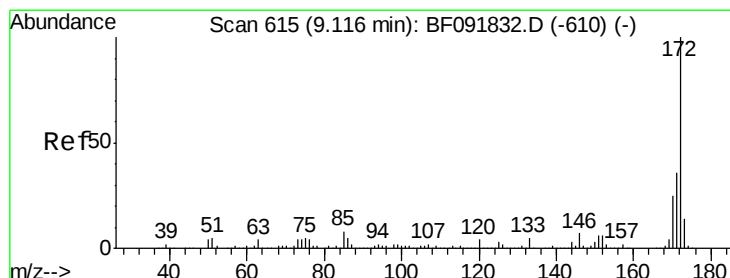
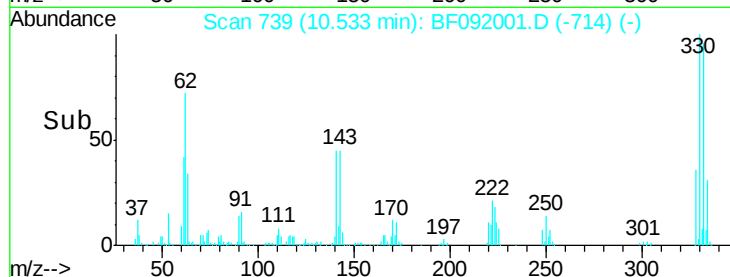
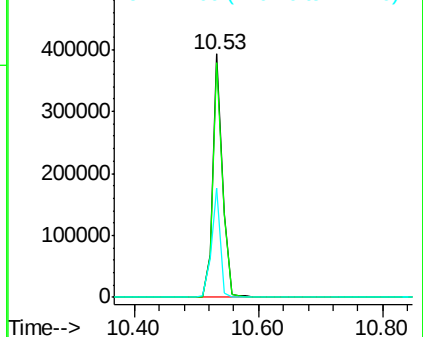
#41
 2,4,6-Tribromophenol
 Concen: 126.42 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: BF092001.D
 Acq: 28 Dec 2016 18:24

Instrument :
 BNA_F
 ClientSampleID :
 LIP-12

Tgt Ion:330 Resp: 421872
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 41.1 34.1 51.1

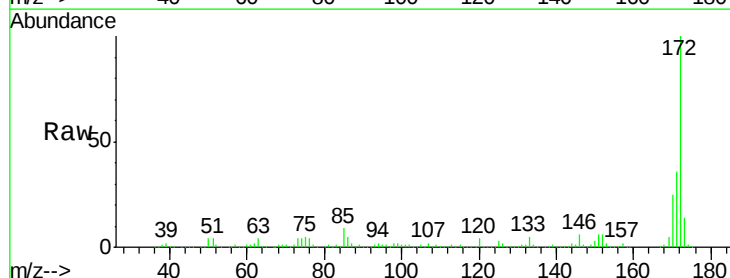


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

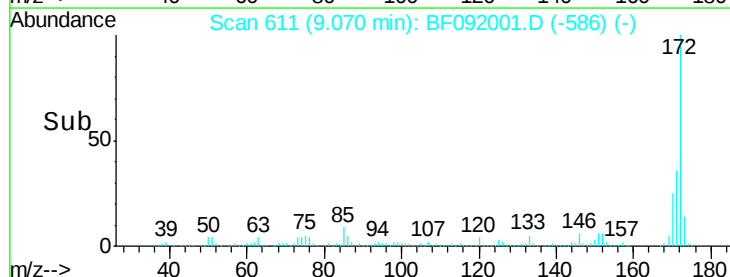
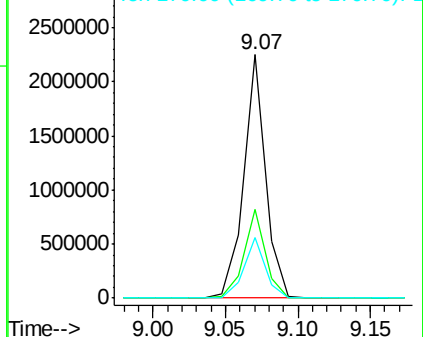


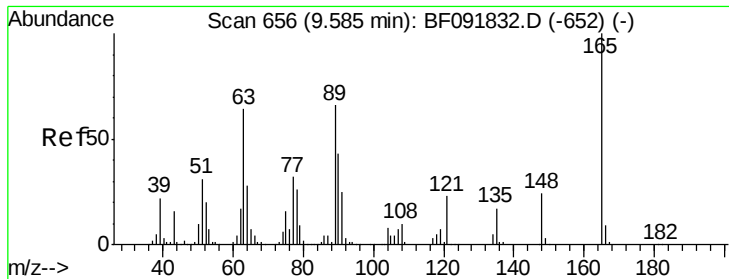
#44
 2-Fluorobiphenyl
 Concen: 125.41 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF092001.D
 Acq: 28 Dec 2016 18:24

Tgt Ion:172 Resp: 2347456
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 24.9 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

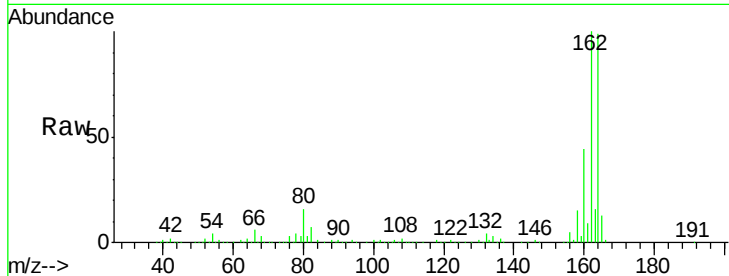




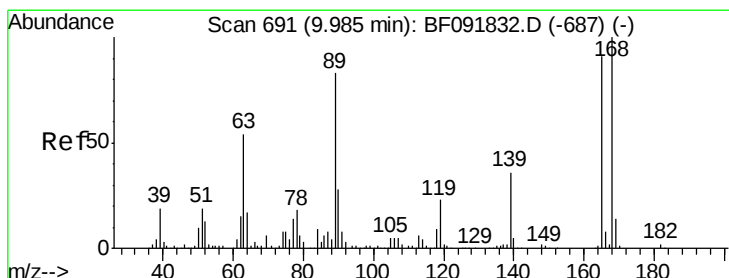
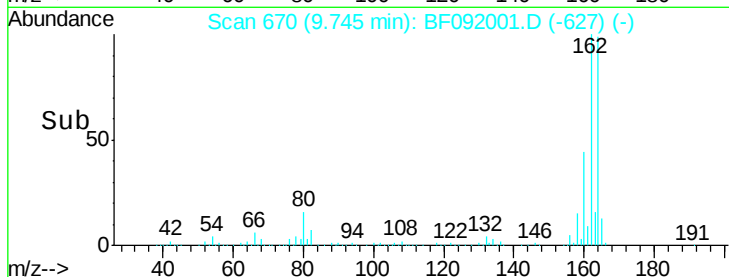
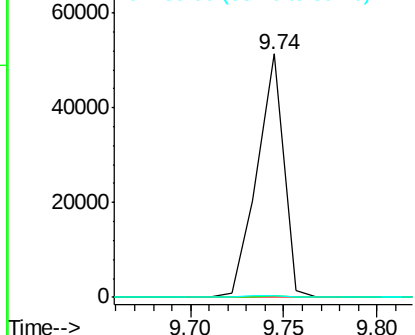
#50
 2,6-Dinitrotoluene
 Concen: 8.99 ng
 RT: 9.74 min Scan# 670
 Delta R.T. 0.19 min
 Lab File: BF092001.D
 Acq: 28 Dec 2016 18:24

Instrument :
 BNA_F
 ClientSampleId :
 LIP-12

Tgt Ion:165 Resp: 50760
 Ion Ratio Lower Upper
 165 100
 63 0.6 36.2 54.4#
 89 0.8 40.2 60.4#

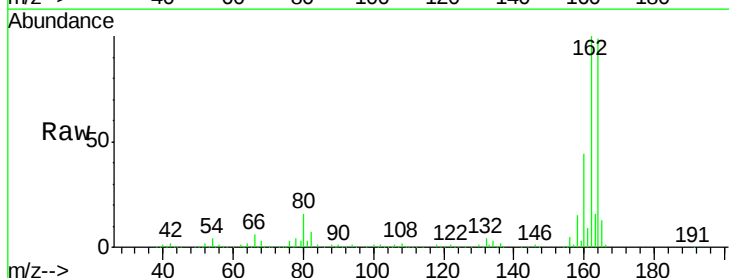


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

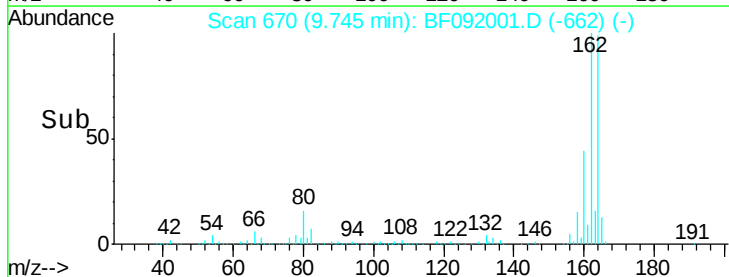
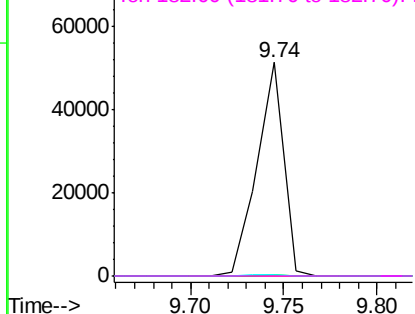


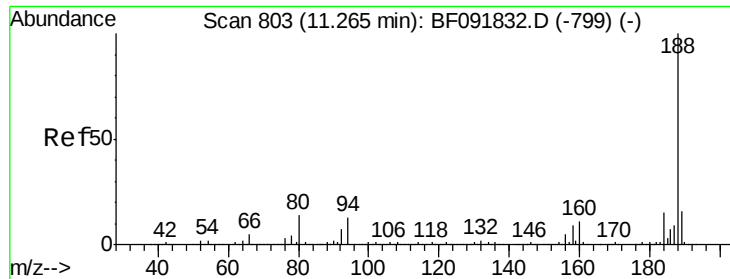
#56
 2,4-Dinitrotoluene
 Concen: 7.16 ng
 RT: 9.74 min Scan# 670
 Delta R.T. -0.21 min
 Lab File: BF092001.D
 Acq: 28 Dec 2016 18:24

Tgt Ion:165 Resp: 50760
 Ion Ratio Lower Upper
 165 100
 63 0.6 40.2 60.4#
 89 0.8 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

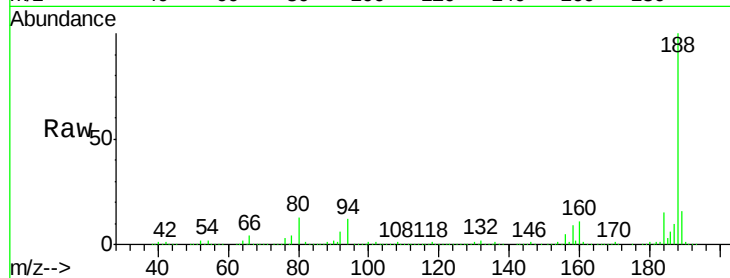




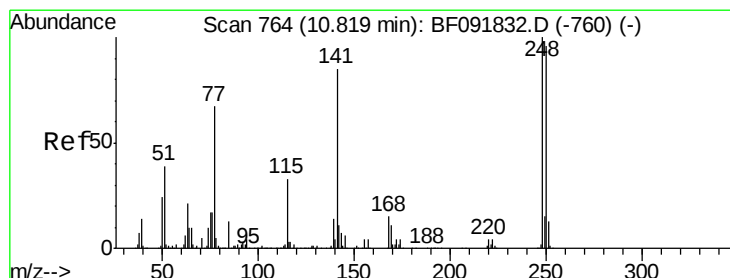
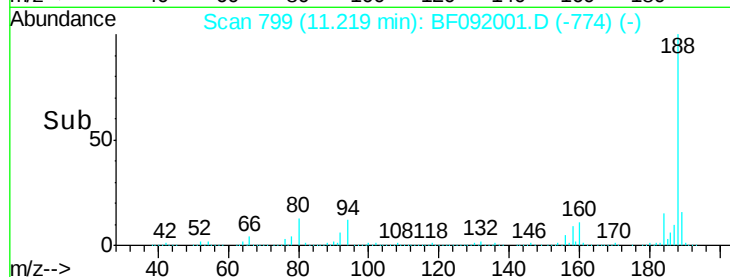
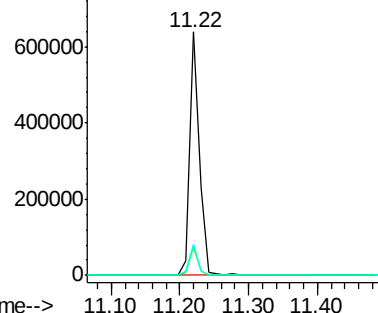
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF092001.D
Acq: 28 Dec 2016 18:24

Instrument :
BNA_F
ClientSampleId :
LIP-12

Tgt Ion:188 Resp: 635373
Ion Ratio Lower Upper
188 100
94 11.7 10.0 15.0
80 12.8 11.2 16.8

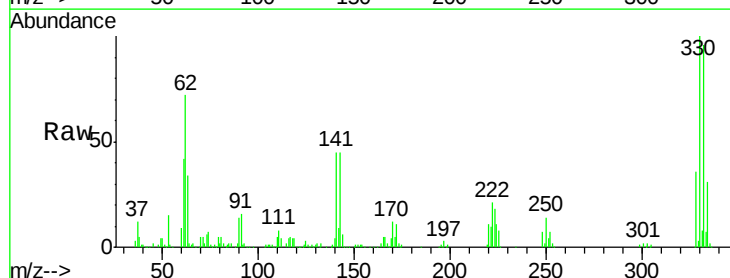


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

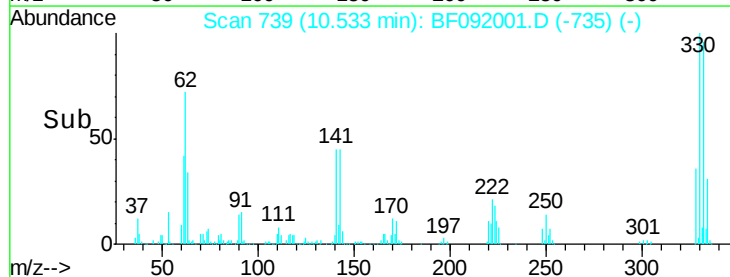
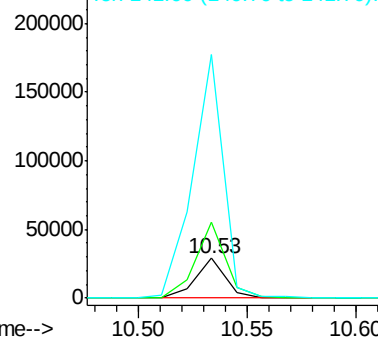


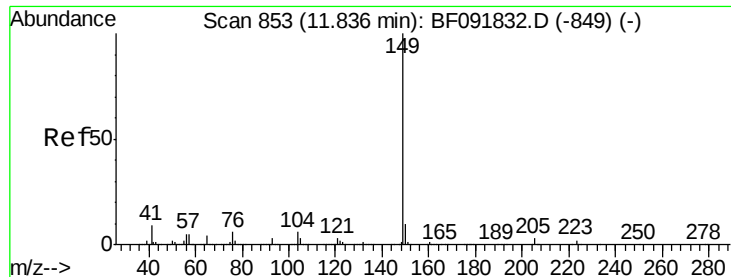
#66
4-Bromophenyl-phenylether
Concen: 4.19 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.25 min
Lab File: BF092001.D
Acq: 28 Dec 2016 18:24

Tgt Ion:248 Resp: 27678
Ion Ratio Lower Upper
248 100
250 189.5 76.9 115.3#
141 612.5 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: 11.79 min Scan# 849

Delta R.T. -0.01 min

Lab File: BF092001.D

Acq: 28 Dec 2016 18:24

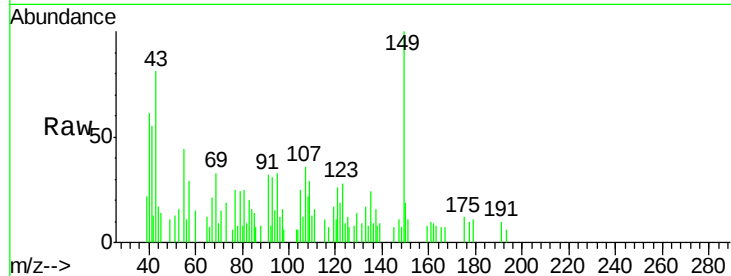
Instrument :

BNA_F

ClientSampleId :

LIP-12

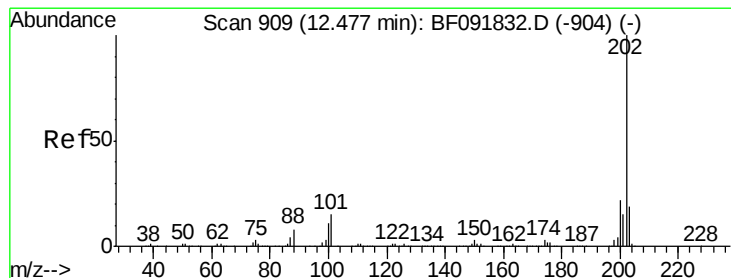
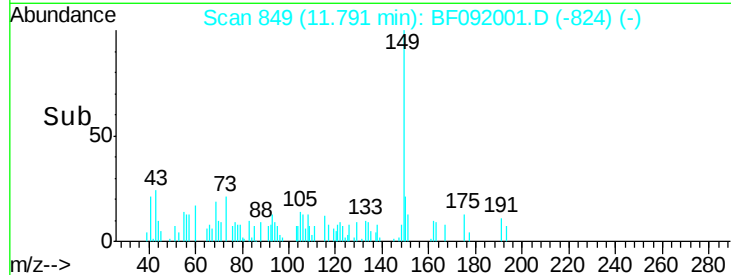
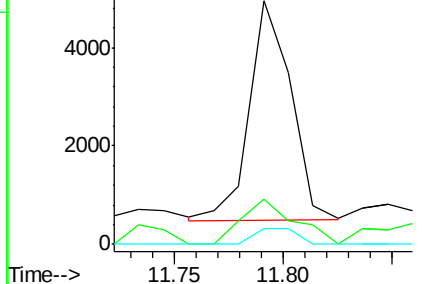
Tgt Ion:	149	Resp:	5907
Ion Ratio	Lower	Upper	
149	100		
150	18.6	8.1	12.1#
104	6.3	4.6	7.0



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

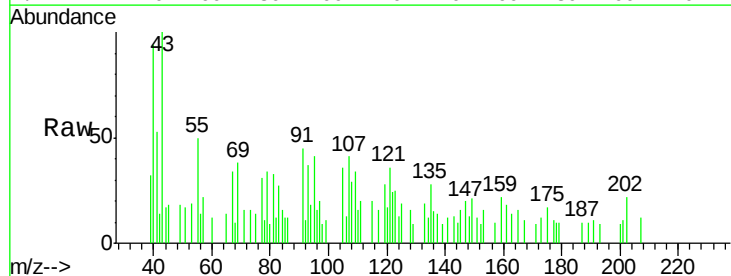
RT: 12.43 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF092001.D

Acq: 28 Dec 2016 18:24

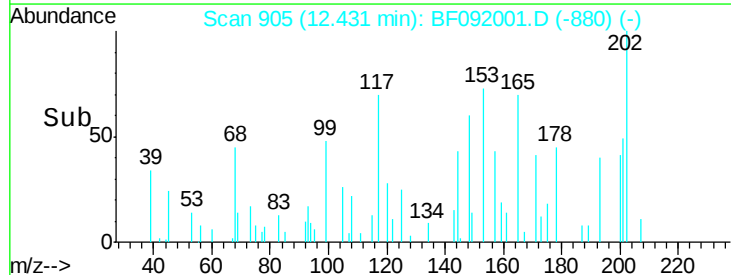
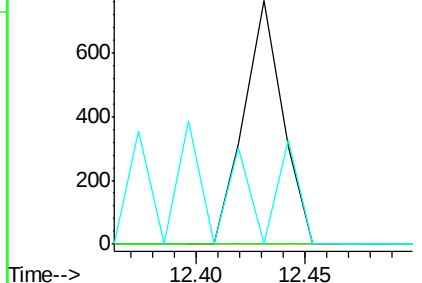
Tgt Ion:	202	Resp:	948
Ion Ratio	Lower	Upper	
202	100		
101	0.0	0.0	34.6
203	0.0	0.0	38.7

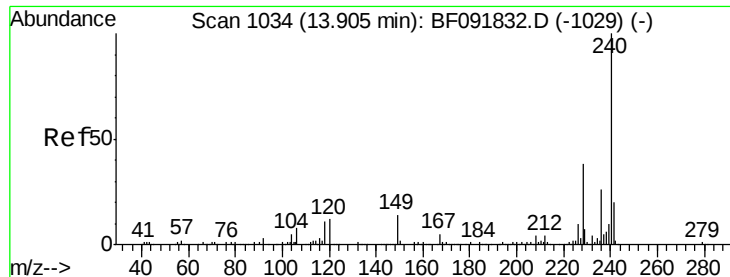


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF092001.D

Acq: 28 Dec 2016 18:24

Instrument :

BNA_F

ClientSampleId :

LIP-12

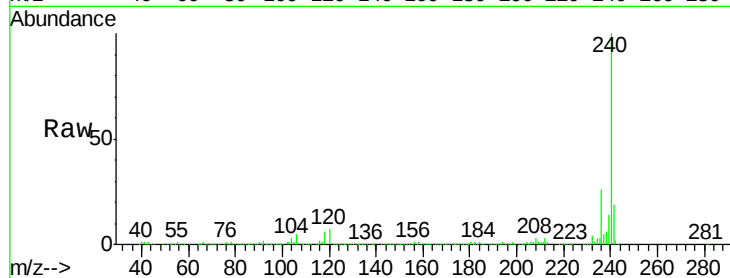
Tgt Ion:240 Resp: 480188

Ion Ratio Lower Upper

240 100

120 7.2 12.9 19.3#

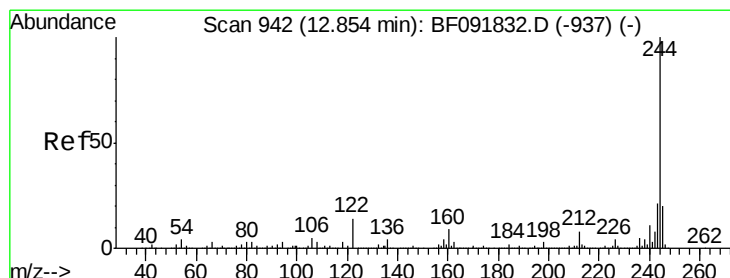
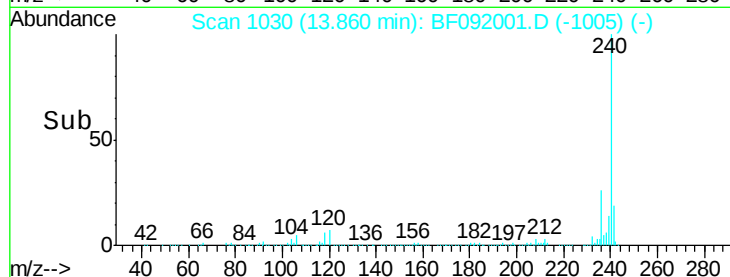
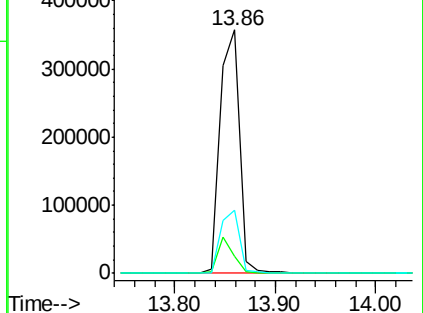
236 25.8 20.9 31.3



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: 98.96 ng

RT: 12.82 min Scan# 939

Delta R.T. 0.00 min

Lab File: BF092001.D

Acq: 28 Dec 2016 18:24

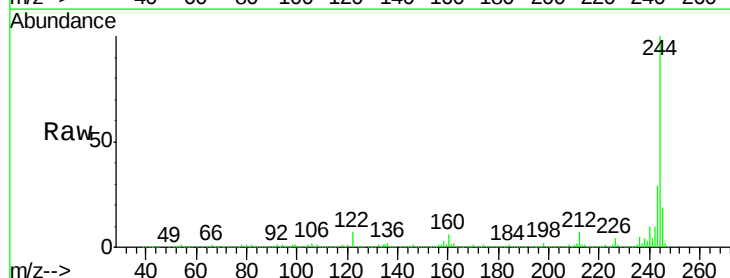
Tgt Ion:244 Resp: 1959358

Ion Ratio Lower Upper

244 100

212 6.8 6.2 9.2

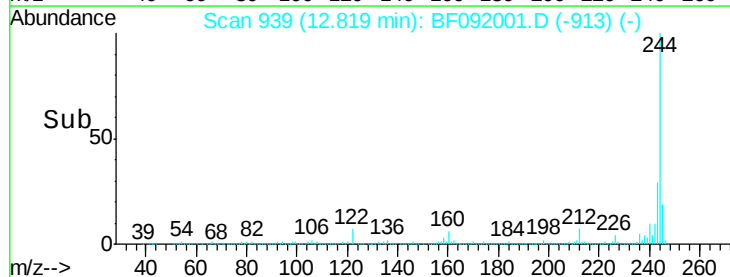
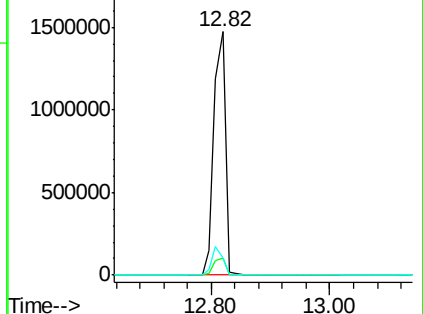
122 7.1 11.4 17.2#

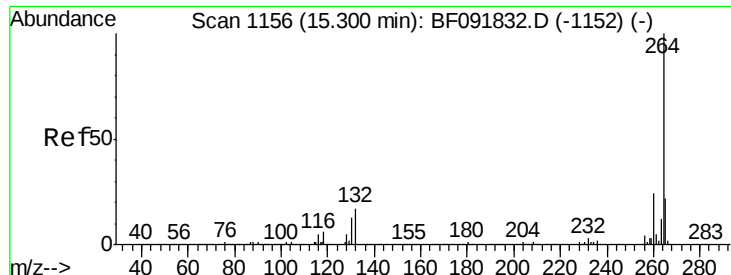


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

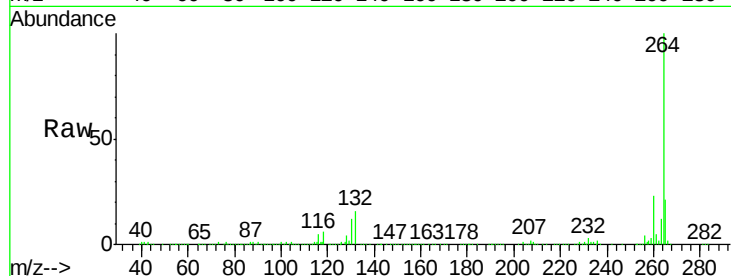




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF092001.D
Acq: 28 Dec 2016 18:24

Instrument :
BNA_F
ClientSampleId :
LIP-12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.1	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

